

Data File : VU034281.D
Acq On : 05 Sep 2019 14:12
Operator : JC/SP
Sample : VU0906WBS01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Quant Time: Sep 06 07:33:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	329221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	486185	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	474127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	311153	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	242695	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	4.86	113	212498	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
50) Toluene-d8	7.55	98	838072	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	10.29	95	305351	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	63492	18.440	ug/l	97
3) Chloromethane	1.32	50	78716	21.111	ug/l	100
4) Vinyl Chloride	1.40	62	80556	18.775	ug/l	99
5) Bromomethane	1.62	94	49337	20.114	ug/l	94
6) Chloroethane	1.69	64	51427	20.021	ug/l	95
7) Trichlorofluoromethane	1.88	101	111286	19.344	ug/l	100
8) Diethyl Ether	2.09	74	49615	19.606	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	72708	19.082	ug/l	97
10) Methyl Iodide	2.40	142	40014	14.442	ug/l	99
11) Tert butyl alcohol	2.81	59	100963	95.941	ug/l	99
12) 1,1-Dichloroethene	2.27	96	69527	19.410	ug/l	97
13) Acrolein	2.18	56	78374	88.609	ug/l	100
14) Allyl chloride	2.58	41	116043	16.946	ug/l	92
15) Acrylonitrile	2.92	53	263611	100.592	ug/l	98
16) Acetone	2.31	43	234201	90.855	ug/l	99
17) Carbon Disulfide	2.47	76	148182	18.407	ug/l	98
18) Methyl Acetate	2.60	43	115462	18.408	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	263183	20.158	ug/l	99
20) Methylene Chloride	2.69	84	87564	20.503	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	72974	19.333	ug/l	99
22) Diisopropyl ether	3.55	45	273961	20.514	ug/l	93
23) Vinyl Acetate	3.50	43	1118645	102.834	ug/l	99
24) 1,1-Dichloroethane	3.43	63	155384	19.483	ug/l	100
25) 2-Butanone	4.24	43	345218	100.326	ug/l	99
26) 2,2-Dichloropropane	4.20	77	123418	19.241	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	91899	20.046	ug/l	98
28) Bromochloromethane	4.52	49	61996	16.901	ug/l	99
29) Tetrahydrofuran	4.62	42	216313	103.309	ug/l	99
30) Chloroform	4.65	83	154962	19.116	ug/l	100
31) Cyclohexane	4.97	56	115327	19.766	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	126984	19.592	ug/l	98
36) 1,1-Dichloropropene	5.12	75	100728	19.104	ug/l	99
37) Ethyl Acetate	4.36	43	118257	18.969	ug/l	99
38) Carbon Tetrachloride	5.11	117	107465	19.088	ug/l	98

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Quant Time: Sep 06 07:33:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	108688	19.283	ug/l	98
40) Benzene	5.37	78	325916	19.156	ug/l	100
41) Methacrylonitrile	4.52	41	67003	20.178	ug/l	98
42) 1,2-Dichloroethane	5.39	62	114360	19.360	ug/l	99
43) Isopropyl Acetate	5.53	43	192016	19.744	ug/l	99
44) Trichloroethene	6.17	130	90312	19.182	ug/l	98
45) 1,2-Dichloropropane	6.41	63	95594	19.219	ug/l	98
46) Dibromomethane	6.54	93	59813	19.158	ug/l	99
47) Bromodichloromethane	6.74	83	121972	18.979	ug/l	100
48) Methyl methacrylate	6.60	41	88311	19.119	ug/l	99
49) 1,4-Dioxane	6.59	88	37376	370.563	ug/l	96
51) 4-Methyl-2-Pentanone	7.44	43	659868	98.024	ug/l	100
52) Toluene	7.62	92	209493	19.629	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	126082	18.926	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	142152	19.442	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	91081	18.794	ug/l	96
56) Ethyl methacrylate	8.00	69	130801	19.748	ug/l	98
57) 1,3-Dichloropropane	8.22	76	151561	19.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	208458	94.738	ug/l	100
59) 2-Hexanone	8.34	43	491066	97.648	ug/l	99
60) Dibromochloromethane	8.46	129	99321	19.107	ug/l	99
61) 1,2-Dibromoethane	8.57	107	92566	19.515	ug/l	98
64) Tetrachloroethene	8.21	164	78389	19.057	ug/l	99
65) Chlorobenzene	9.10	112	239000	19.869	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	88660	19.313	ug/l	99
67) Ethyl Benzene	9.23	91	397115	20.191	ug/l	100
68) m/p-Xylenes	9.36	106	303963	41.042	ug/l	99
69) o-Xylene	9.76	106	149104	20.586	ug/l	99
70) Styrene	9.77	104	263785	20.773	ug/l	99
71) Bromoform	9.94	173	76358	19.193	ug/l #	99
73) Isopropylbenzene	10.15	105	409148	20.206	ug/l	99
74) N-amyl acetate	10.00	43	161806	19.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	157004	19.155	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	169577	24.967	ug/l	86
77) Bromobenzene	10.43	156	110691	19.550	ug/l	99
78) n-propylbenzene	10.57	91	468090	20.016	ug/l	100
79) 2-Chlorotoluene	10.64	91	288440	20.214	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	357331	21.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.47	75	170231	84.288	ug/l #	100
82) 4-Chlorotoluene	10.75	91	330762	20.143	ug/l	99
83) tert-Butylbenzene	11.08	119	338438	19.977	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	354238	20.780	ug/l	99
85) sec-Butylbenzene	11.31	105	411605	20.579	ug/l	100
86) p-Isopropyltoluene	11.46	119	380700	20.623	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	200761	19.432	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	201353	18.685	ug/l	98
89) n-Butylbenzene	11.87	91	323266	20.151	ug/l	100
90) Hexachloroethane	12.12	117	53961	18.271	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	199615	19.659	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	29812	19.794	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090619\
Quantitation Report (Not Reviewed)

Data File : VU034281.D
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Operator : JC/SP
Sample : VU0906WBS01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

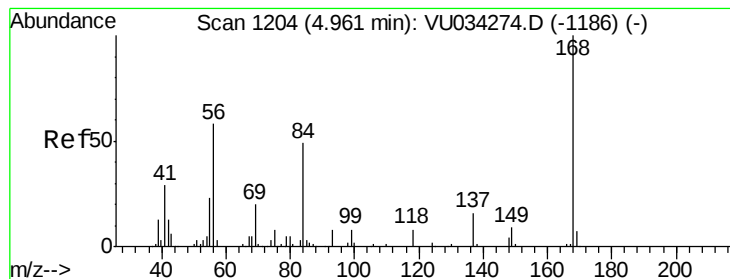
Quant Time: Sep 06 07:33:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	130032	19.890	ug/l	99
94) Hexachlorobutadiene	13.67	225	65986	18.578	ug/l	99
95) Naphthalene	13.73	128	334828	18.831	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	131279	20.121	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 06 07:33:16 2019
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

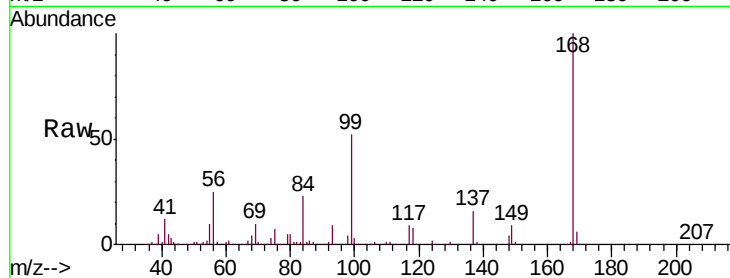
VU0906WBS01

Tgt Ion:168 Resp: 329221

Ion Ratio Lower Upper

168 100

99 51.5 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034281.D (-1111) (-)

Ion 98.90 (98.60 to 99.60): VU034281.D (-1111) (-)

4.96

150000

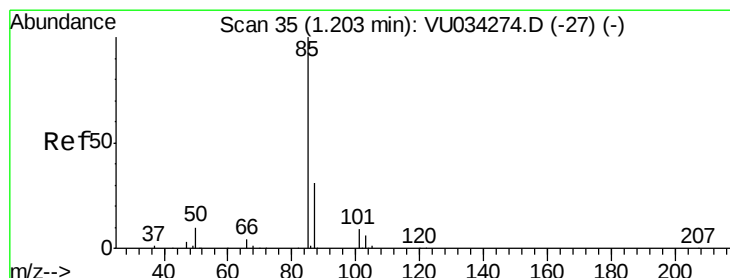
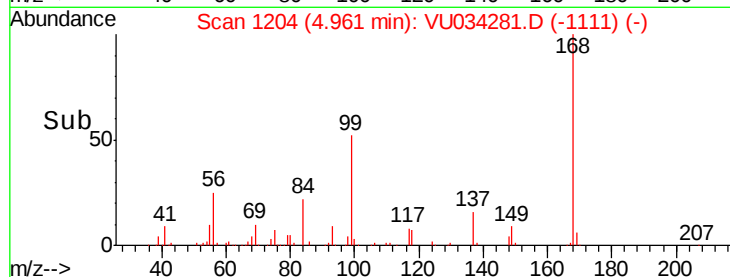
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.440 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034281.D

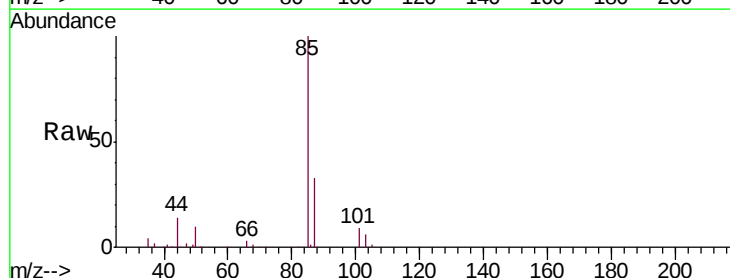
Acq: 05 Sep 2019 14:12

Tgt Ion: 85 Resp: 63492

Ion Ratio Lower Upper

85 100

87 33.1 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034281.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034281.D (-1) (-)

1.20

60000

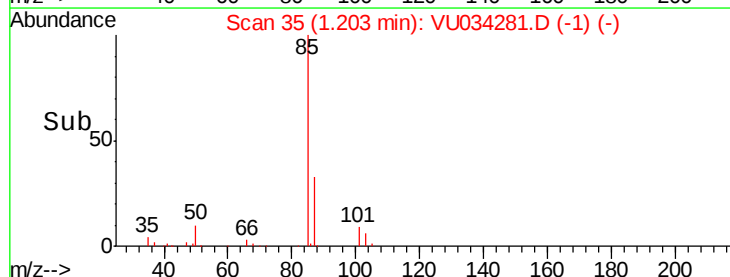
40000

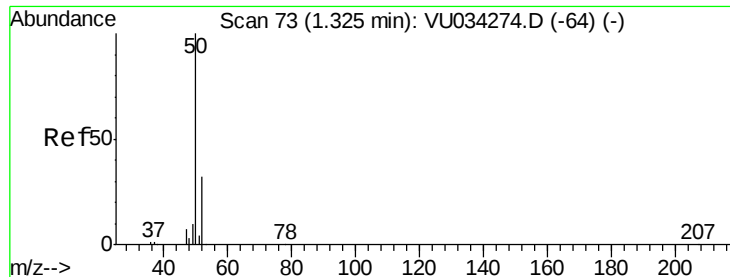
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.111 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

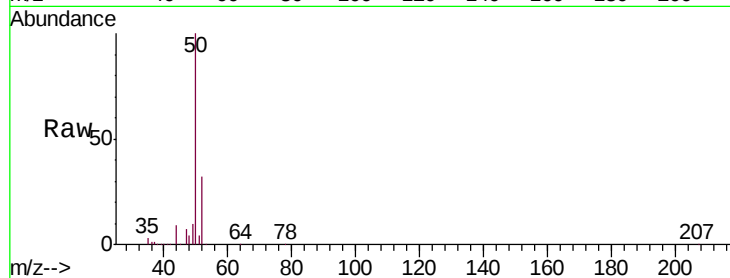
VU0906WBS01

Tgt Ion: 50 Resp: 78716

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6

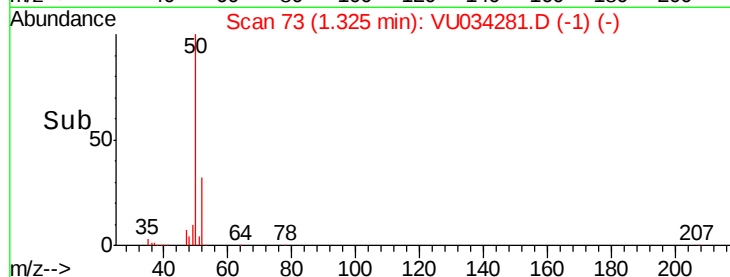


Abundance Ion 49.90 (49.60 to 50.60): VU034281.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034281.D (-1) (-)

1.32

Time-->



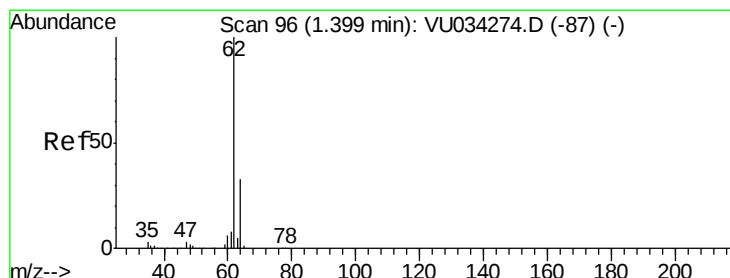
Abundance

Ion 49.90 (49.60 to 50.60): VU034281.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034281.D (-1) (-)

1.32

Time-->



#4

Vinyl Chloride

Concen: 18.775 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034281.D

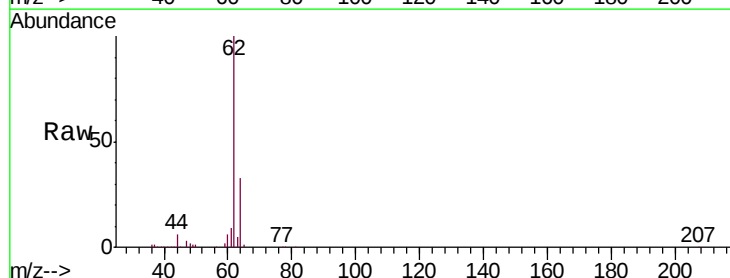
Acq: 05 Sep 2019 14:12

Tgt Ion: 62 Resp: 80556

Ion Ratio Lower Upper

62 100

64 33.4 26.2 39.4

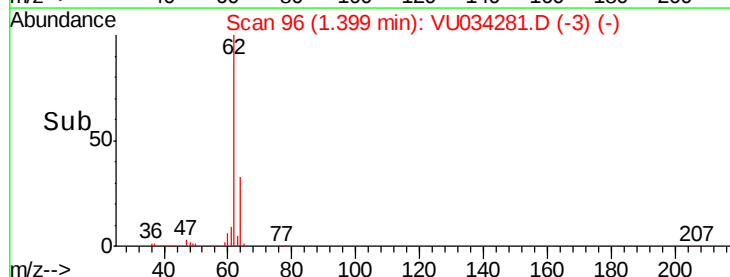


Abundance Ion 61.90 (61.60 to 62.60): VU034281.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034281.D (-3) (-)

1.40

Time-->



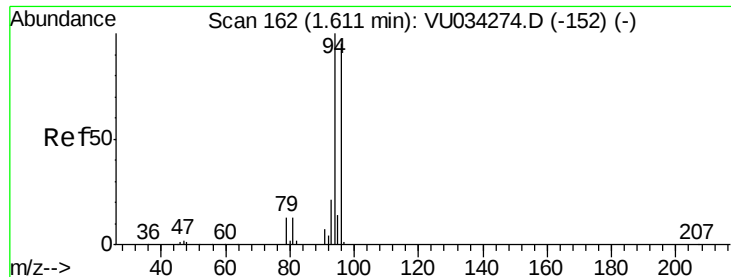
Abundance

Ion 61.90 (61.60 to 62.60): VU034281.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034281.D (-3) (-)

1.40

Time-->



#5

Bromomethane

Concen: 20.114 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

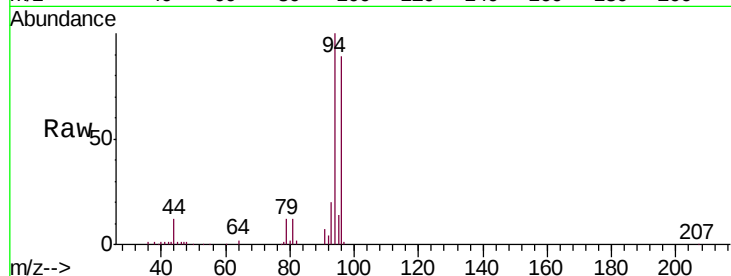
VU0906WBS01

Tgt Ion: 94 Resp: 49337

Ion Ratio Lower Upper

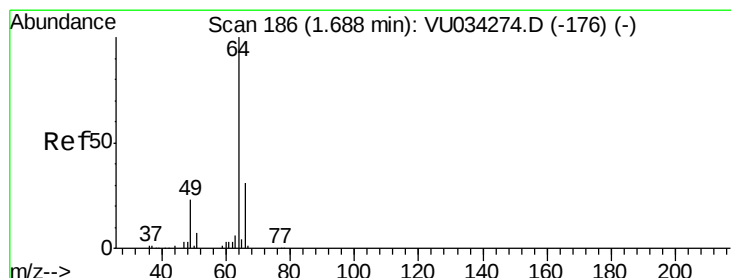
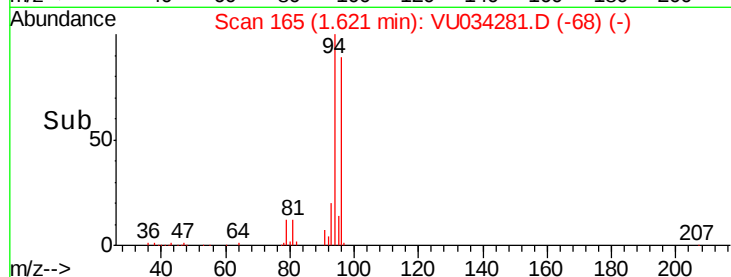
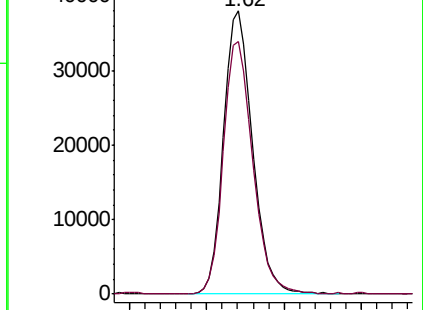
94 100

96 89.1 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034281.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034281.D (-68) (-)



#6

Chloroethane

Concen: 20.021 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034281.D

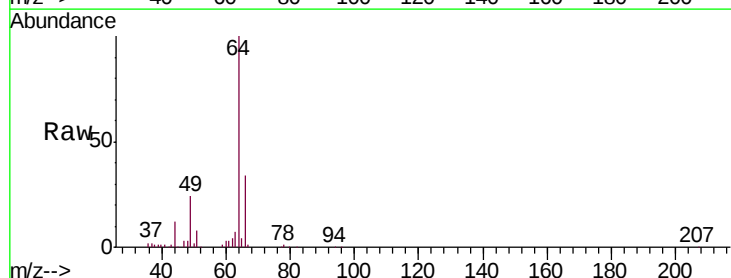
Acq: 05 Sep 2019 14:12

Tgt Ion: 64 Resp: 51427

Ion Ratio Lower Upper

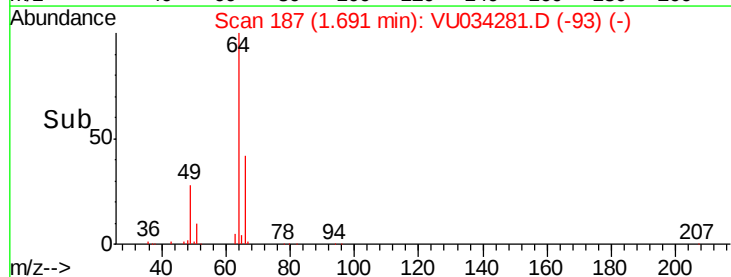
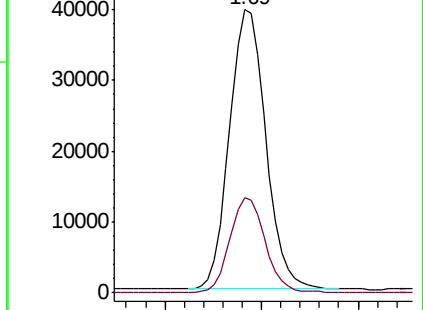
64 100

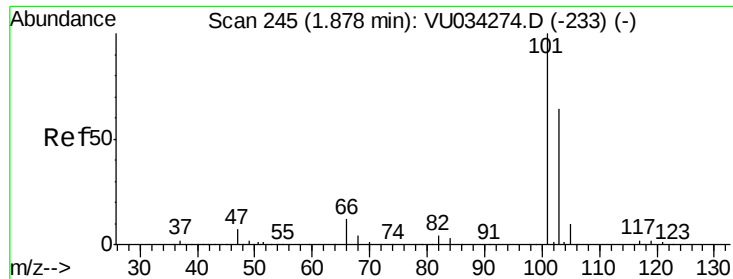
66 34.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034281.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034281.D (-93) (-)



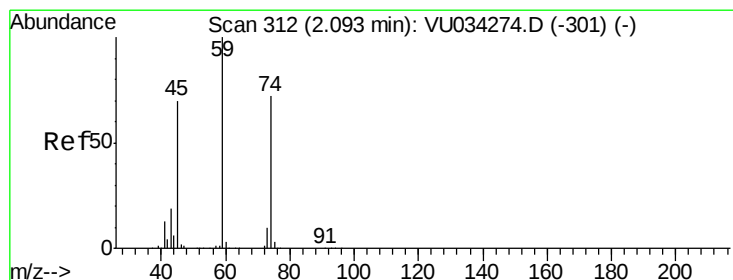
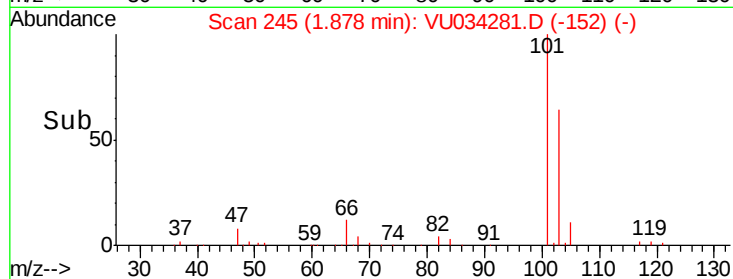
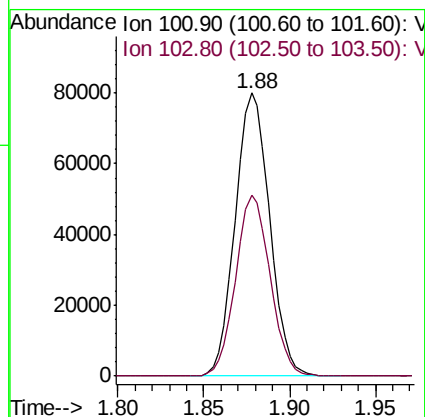
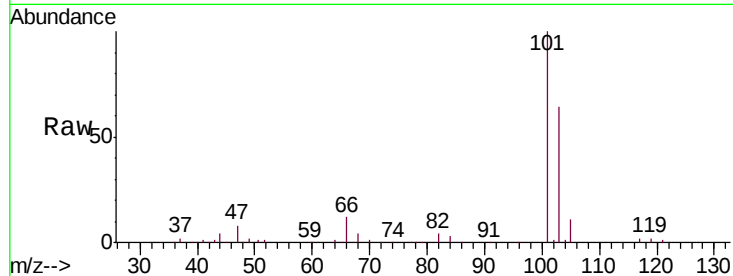


#7

Trichlorofluoromethane
 Concen: 19.344 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
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 VU0906WBS01

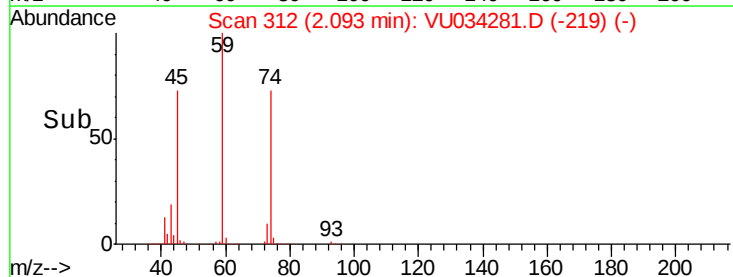
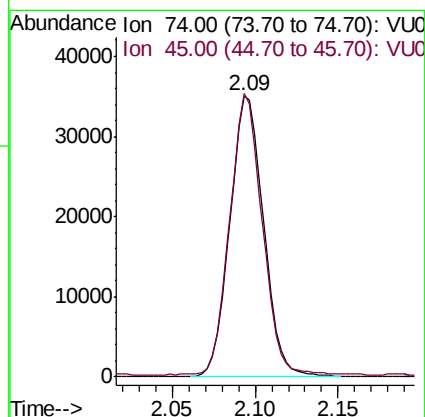
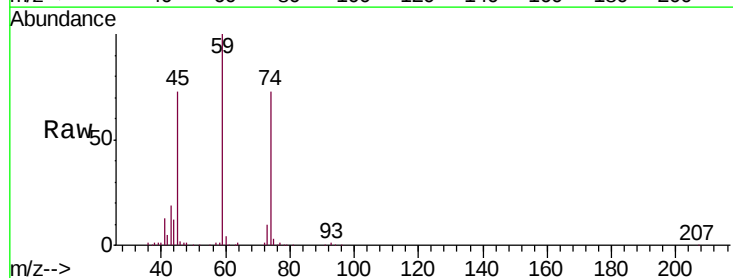
Tgt Ion:101 Resp: 111286
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.0 76.6

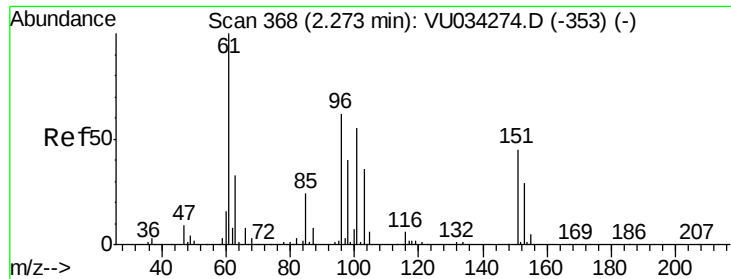


#8

Diethyl Ether
 Concen: 19.606 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion: 74 Resp: 49615
 Ion Ratio Lower Upper
 74 100
 45 95.6 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.082 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

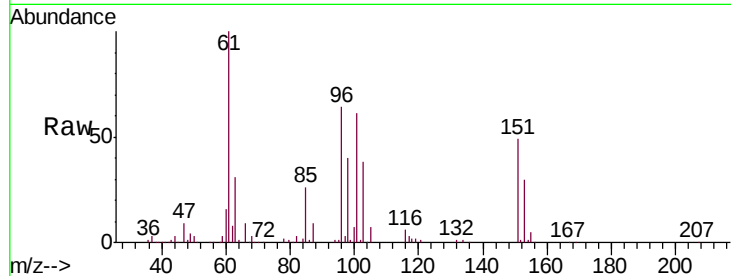
Tgt Ion:101 Resp: 72708

Ion Ratio Lower Upper

101 100

85 41.6 34.4 51.6

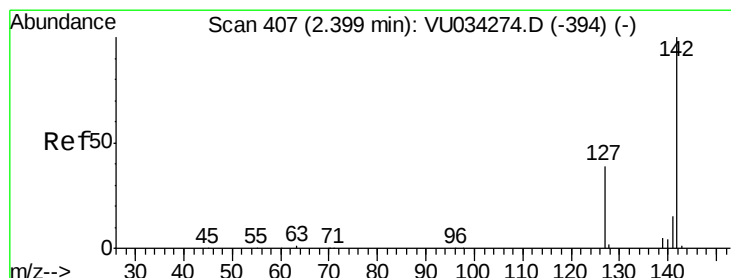
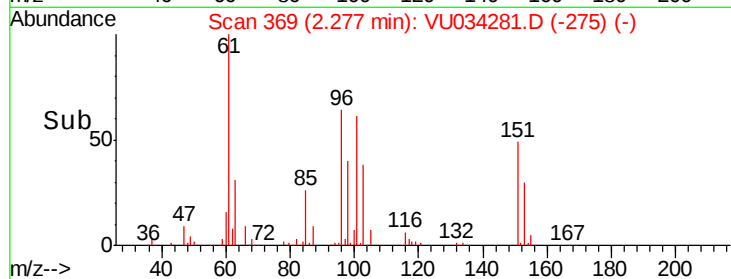
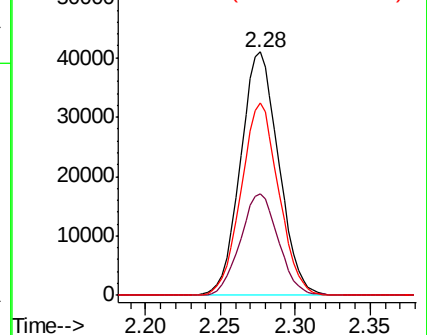
151 78.0 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.442 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

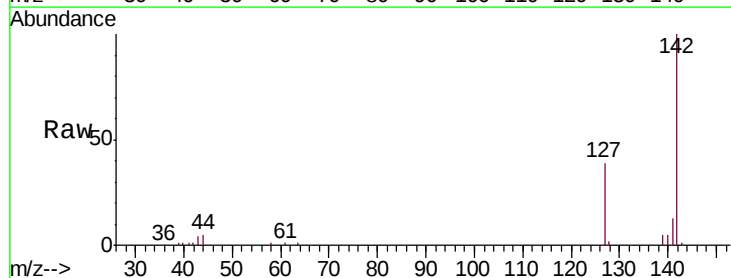
Tgt Ion:142 Resp: 40014

Ion Ratio Lower Upper

142 100

127 39.9 32.1 48.1

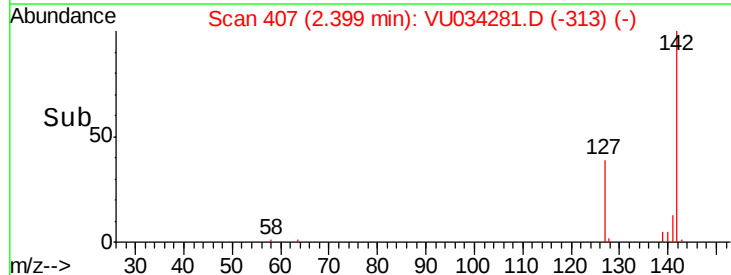
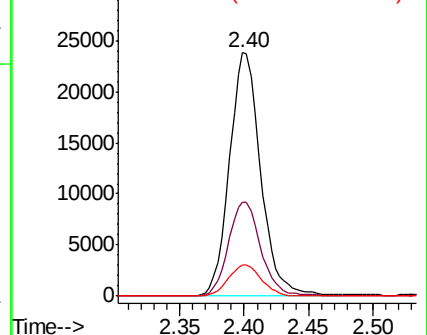
141 13.3 11.5 17.3

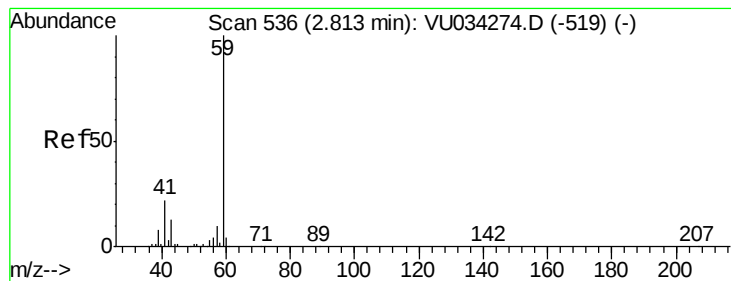


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 95.941 ug/l

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampled :

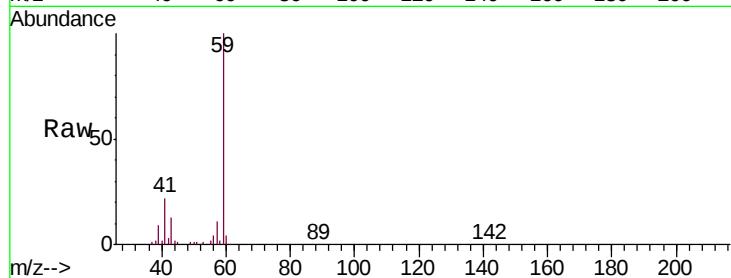
VU0906WBS01

Tgt Ion: 59 Resp: 100963

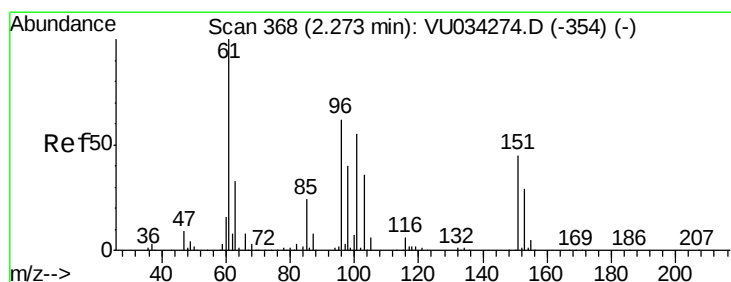
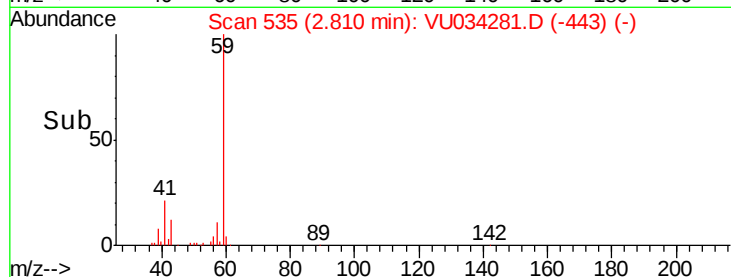
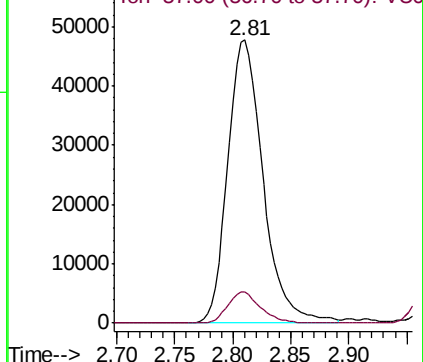
Ion Ratio Lower Upper

59 100

57 10.3 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU034281.D (-443) (-)



#12

1,1-Dichloroethene

Concen: 19.410 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

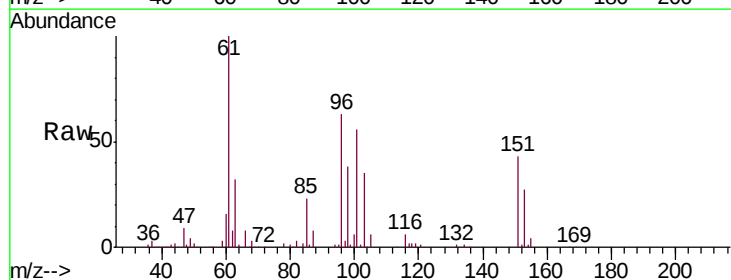
Tgt Ion: 96 Resp: 69527

Ion Ratio Lower Upper

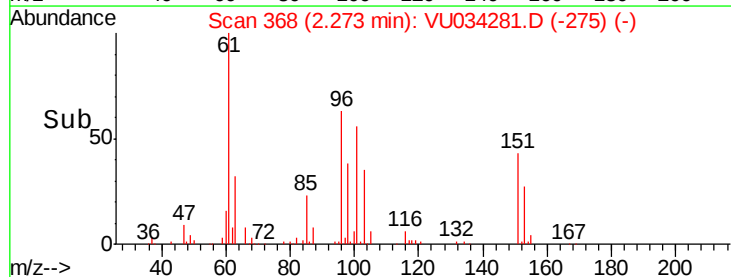
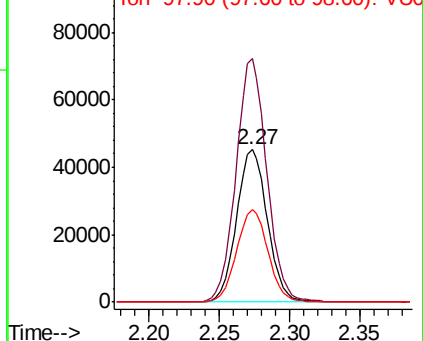
96 100

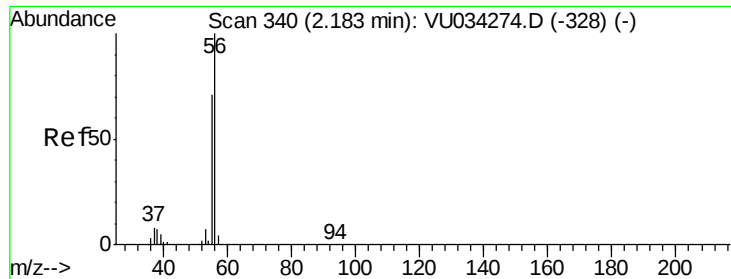
61 159.6 130.0 195.0

98 60.9 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VU034281.D (-275) (-)





#13

Acrolein

Concen: 88.609 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

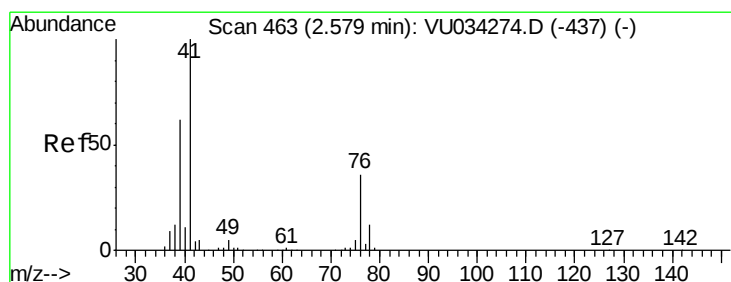
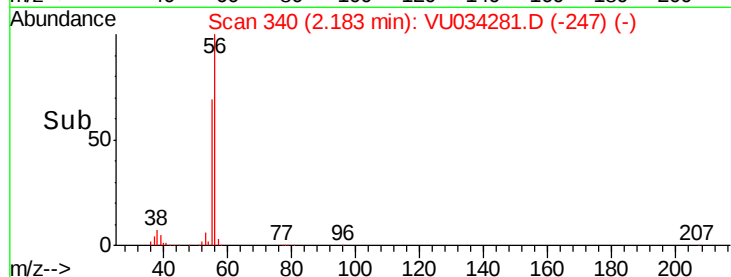
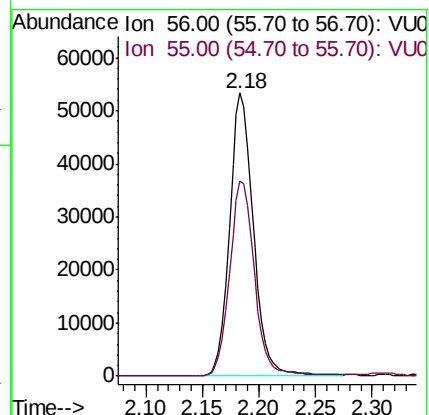
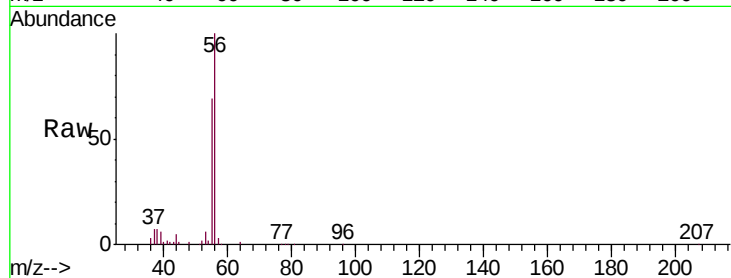
VU0906WBS01

Tgt Ion: 56 Resp: 78374

Ion Ratio Lower Upper

56 100

55 71.8 57.4 86.2



#14

Allyl chloride

Concen: 16.946 ug/l

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

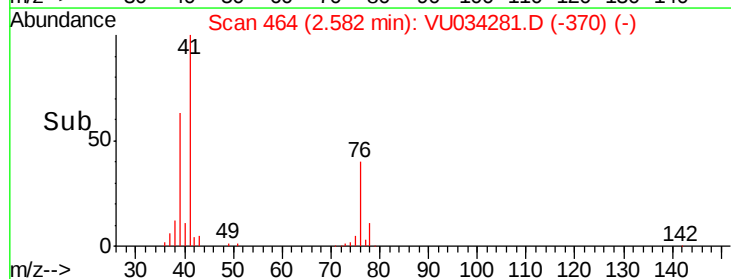
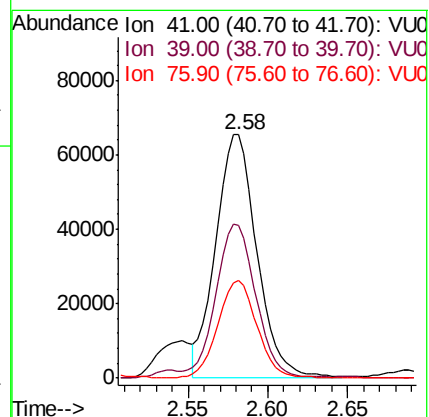
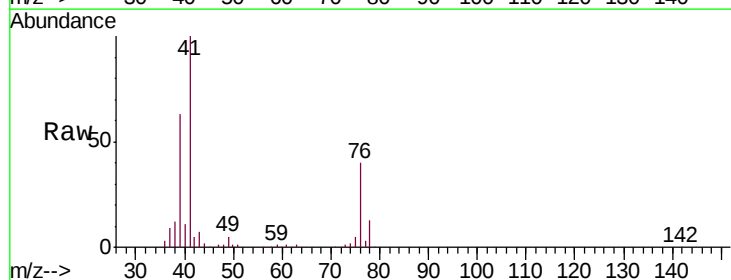
Tgt Ion: 41 Resp: 116043

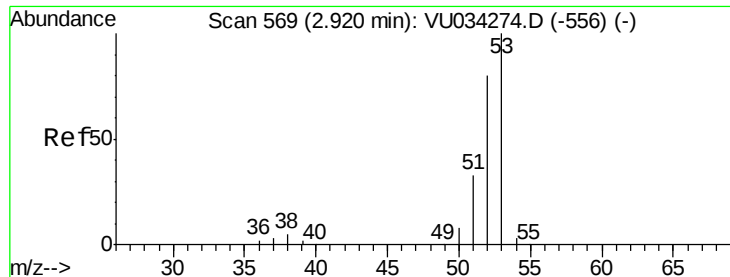
Ion Ratio Lower Upper

41 100

39 60.7 43.5 65.3

76 37.5 27.0 40.6





#15

Acrylonitrile

Concen: 100.592 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

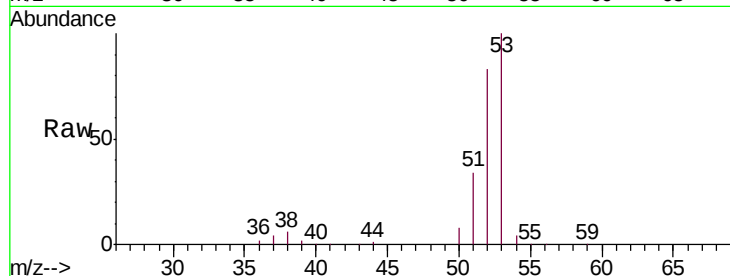
Tgt Ion: 53 Resp: 263611

Ion Ratio Lower Upper

53 100

52 82.5 64.1 96.1

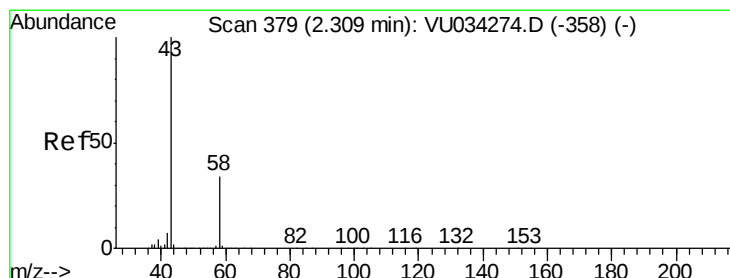
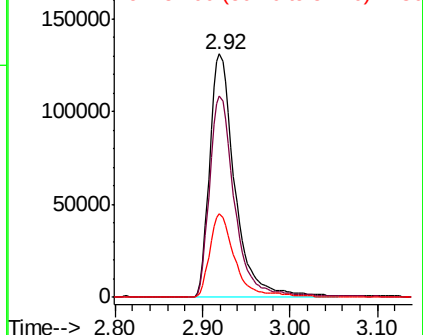
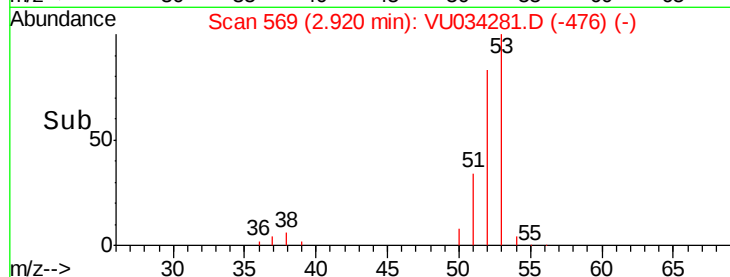
51 34.7 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU034281.D (-476) (-)

Ion 52.00 (51.70 to 52.70): VU034281.D (-476) (-)

Ion 51.00 (50.70 to 51.70): VU034281.D (-476) (-)



#16

Acetone

Concen: 90.855 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034281.D

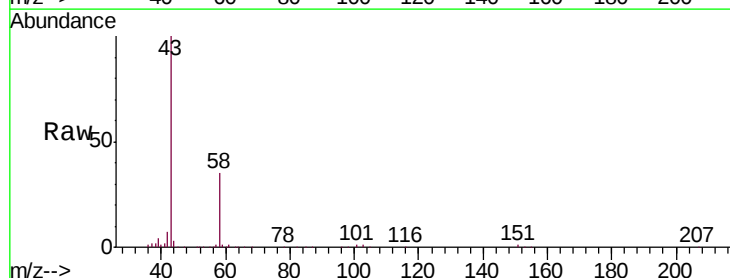
Acq: 05 Sep 2019 14:12

Tgt Ion: 43 Resp: 234201

Ion Ratio Lower Upper

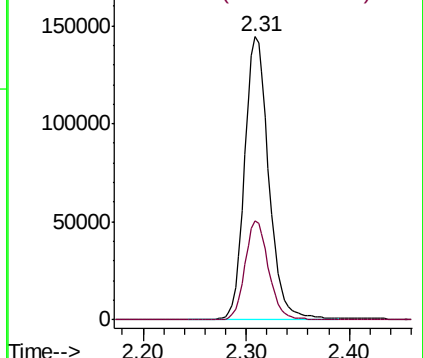
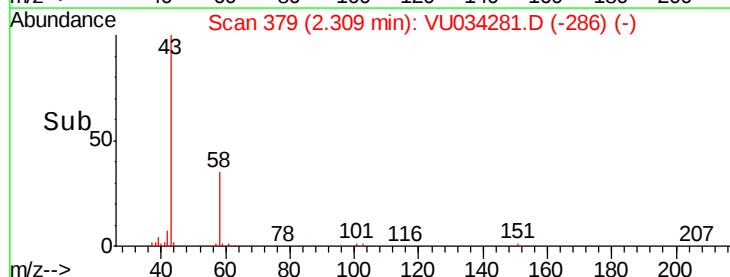
43 100

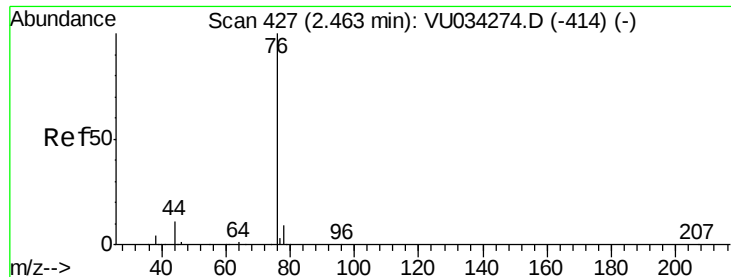
58 34.9 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034281.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034281.D (-286) (-)

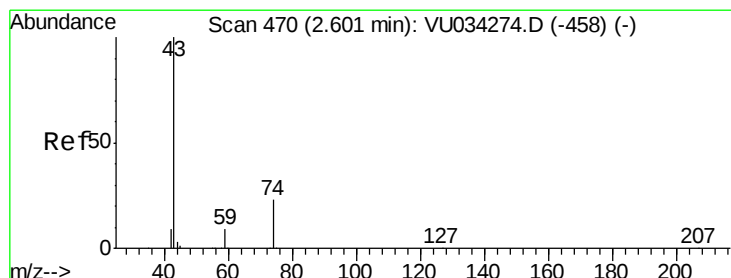
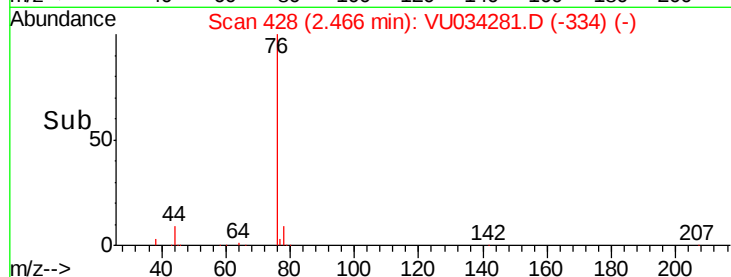
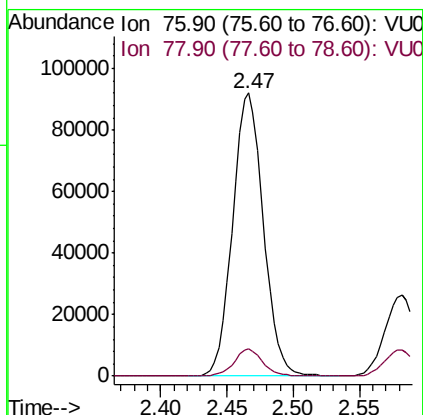
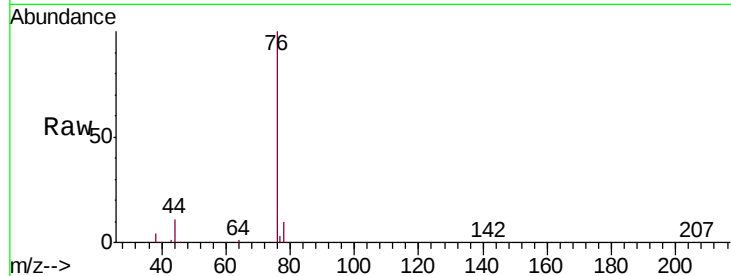




#17
Carbon Disulfide
Concen: 18.407 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

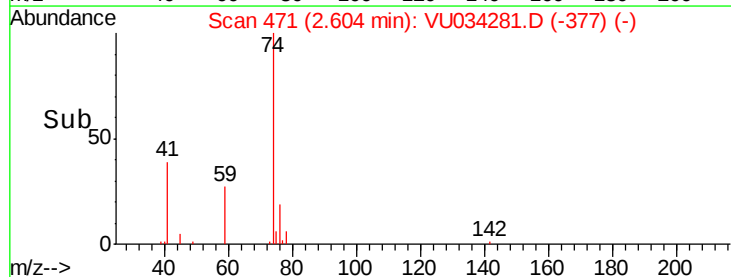
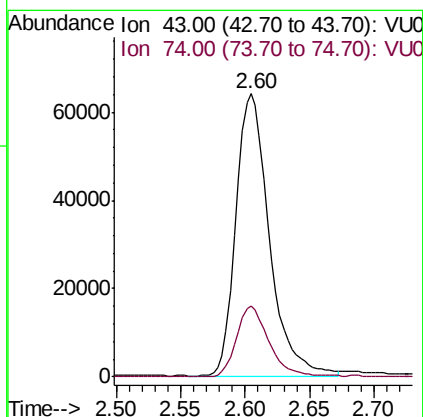
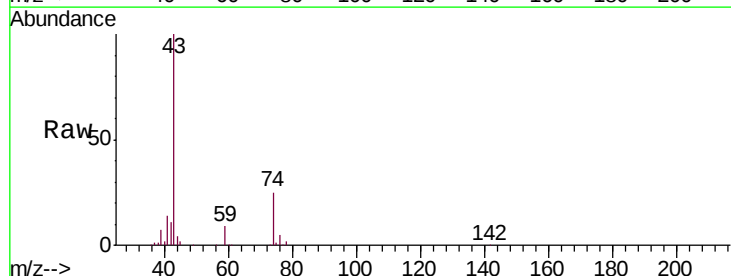
Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

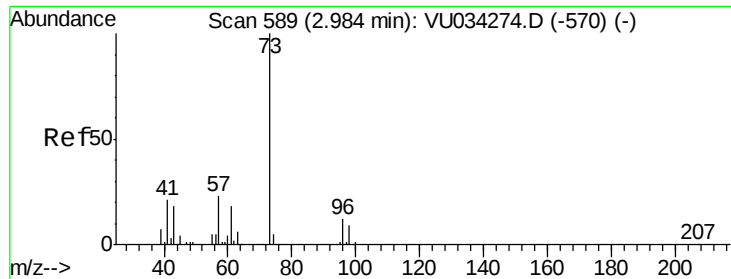
Tgt Ion: 76 Resp: 148182
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 18.408 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion: 43 Resp: 115462
Ion Ratio Lower Upper
43 100
74 24.7 18.9 28.3

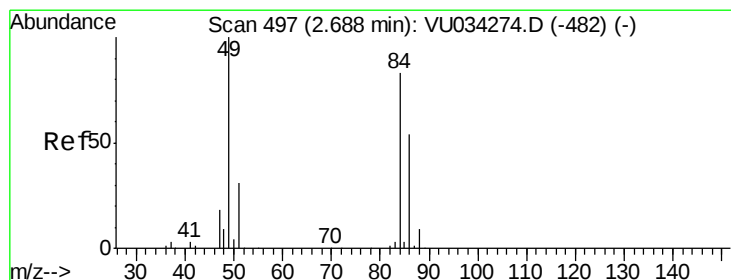
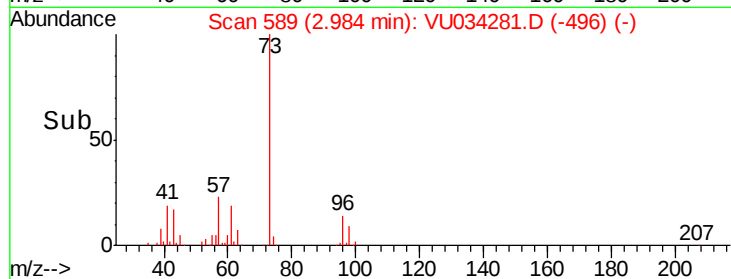
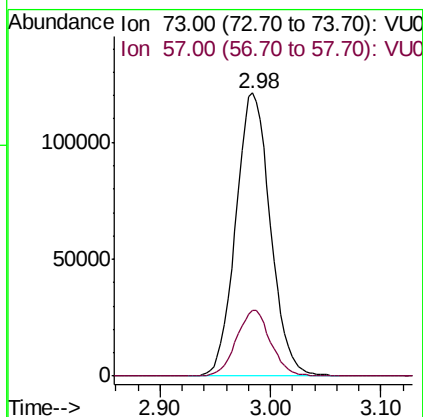
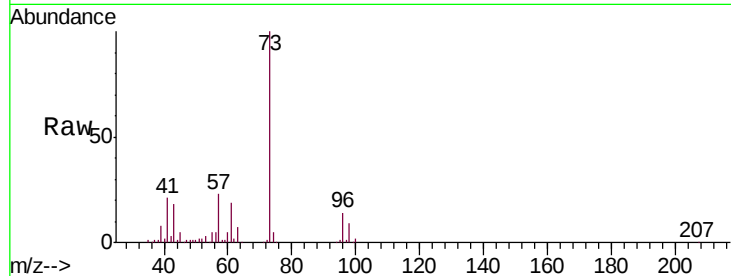




#19
Methyl tert-butyl Ether
Concen: 20.158 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

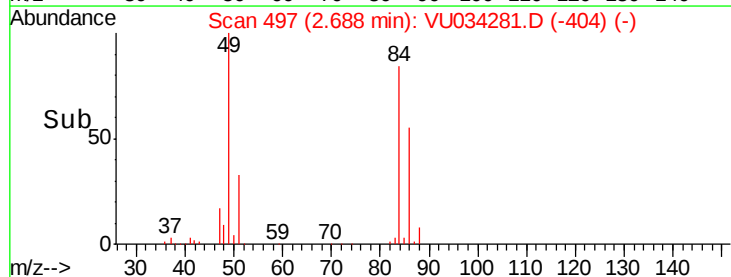
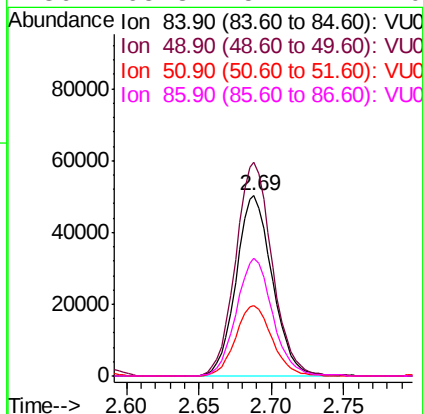
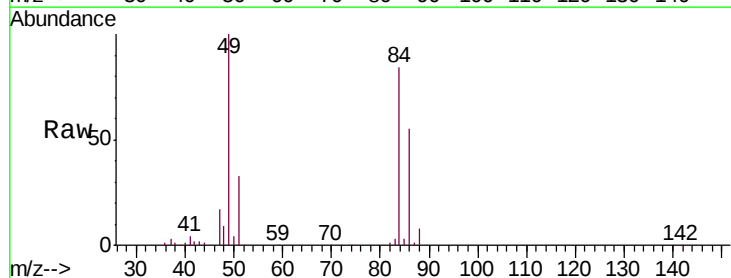
Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

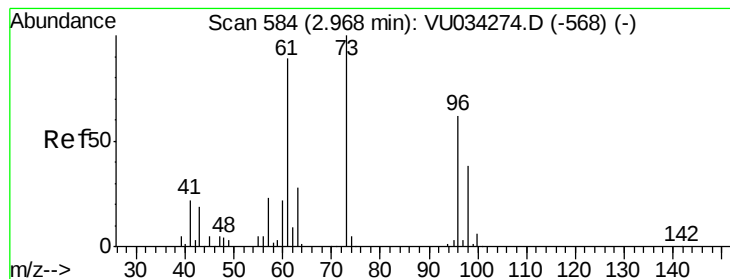
Tgt Ion: 73 Resp: 263183
Ion Ratio Lower Upper
73 100
57 23.3 18.2 27.4



#20
Methylene Chloride
Concen: 20.503 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion: 84 Resp: 87564
Ion Ratio Lower Upper
84 100
49 118.4 96.0 144.0
51 39.2 30.0 45.0
86 65.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.333 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

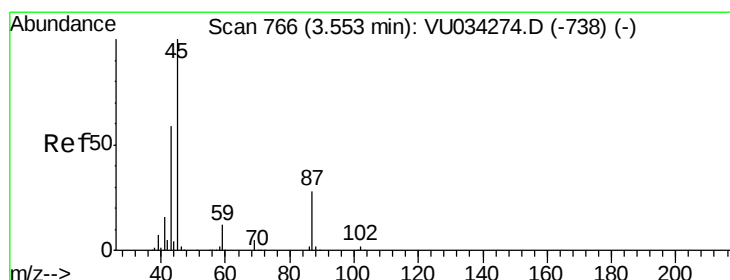
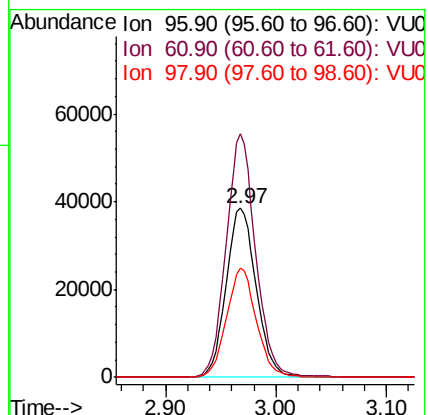
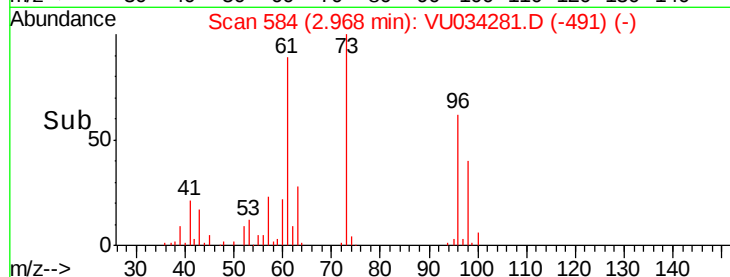
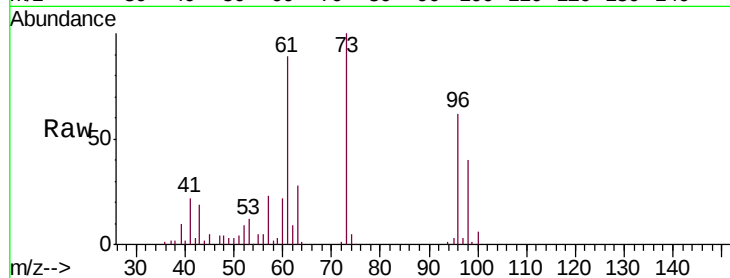
Tgt Ion: 96 Resp: 72974

Ion Ratio Lower Upper

96 100

61 144.0 114.8 172.2

98 64.5 49.8 74.8



#22

Diisopropyl ether

Concen: 20.514 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Tgt Ion: 45 Resp: 273961

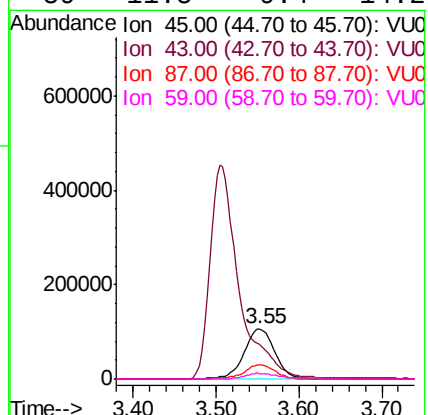
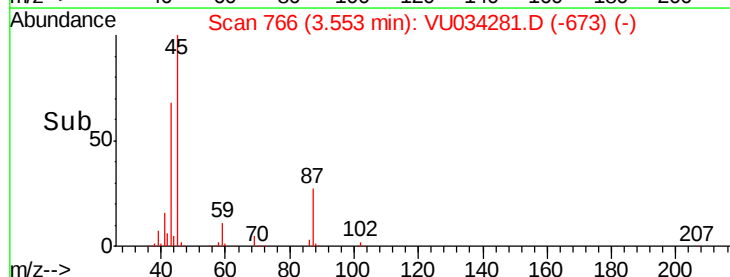
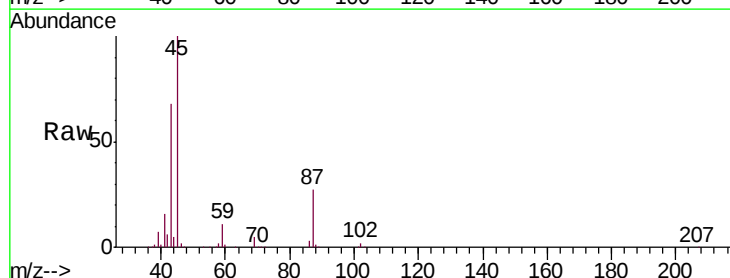
Ion Ratio Lower Upper

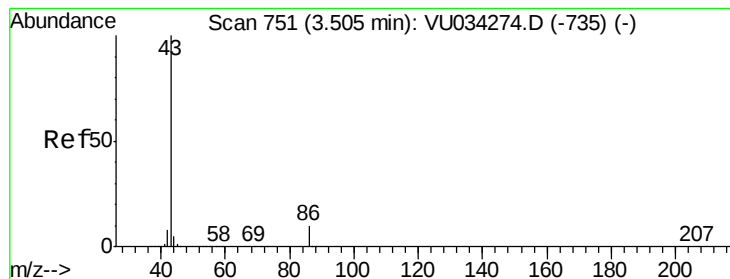
45 100

43 67.2 47.5 71.3

87 27.1 22.2 33.4

59 11.5 9.4 14.2





#23

Vinyl Acetate

Concen: 102.834 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

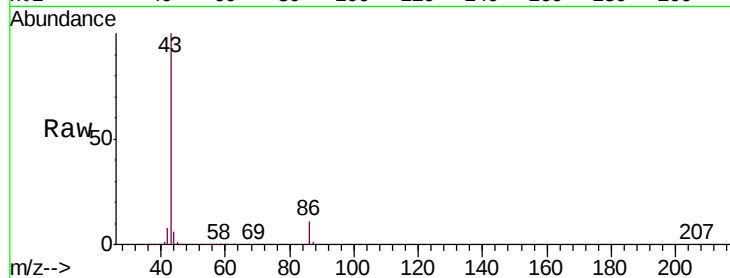
VU0906WBS01

Tgt Ion: 43 Resp: 1118645

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-735) (-)

Ion 86.00 (85.70 to 86.70): VU034274.D (-735) (-)

3.50

500000

400000

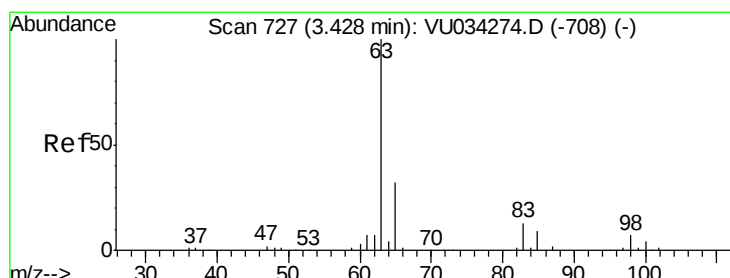
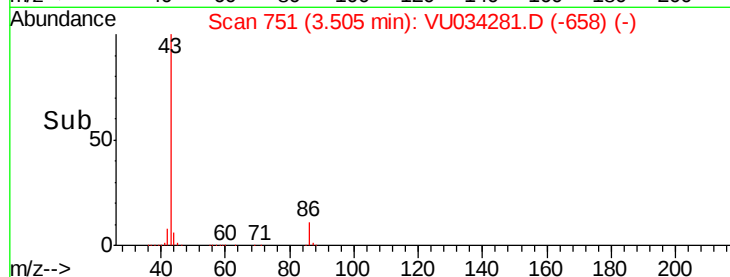
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.483 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

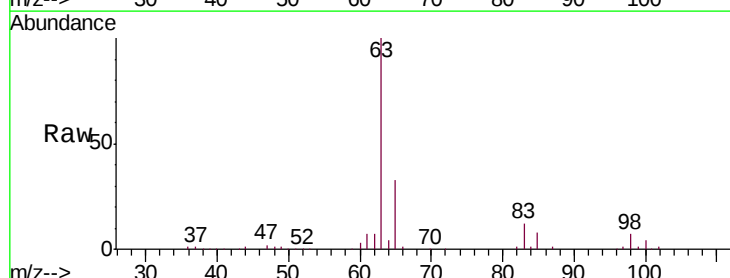
Tgt Ion: 63 Resp: 155384

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-708) (-)

Ion 97.90 (97.60 to 98.60): VU034274.D (-708) (-)

Ion 99.90 (99.60 to 100.60): VU034274.D (-708) (-)

3.43

80000

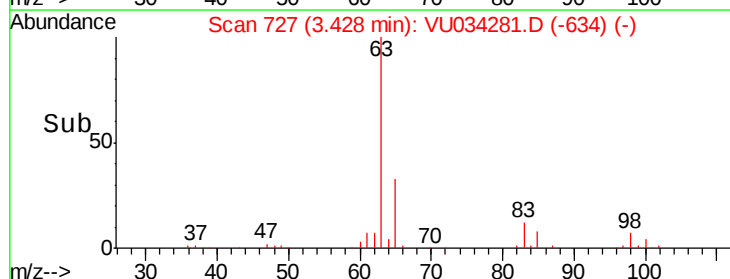
60000

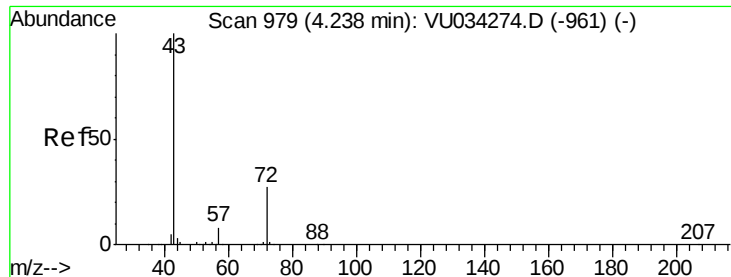
40000

20000

0

Time-->





#25

2-Butanone

Concen: 100.326 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

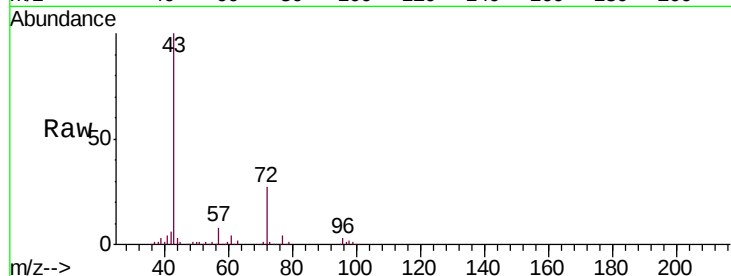
VU0906WBS01

Tgt Ion: 43 Resp: 345218

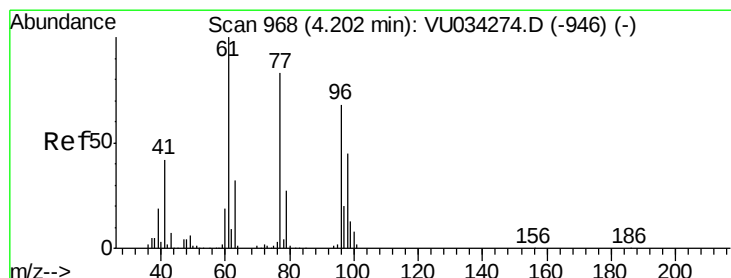
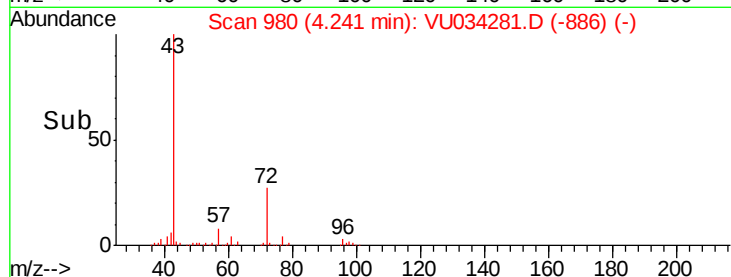
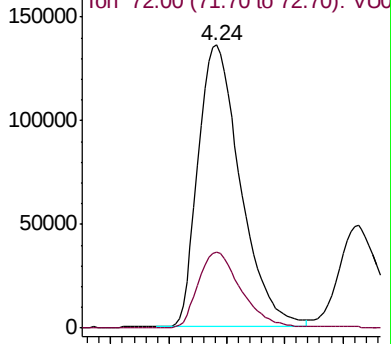
Ion Ratio Lower Upper

43 100

72 26.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034281.D (-886) (-)



#26

2,2-Dichloropropane

Concen: 19.241 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034281.D

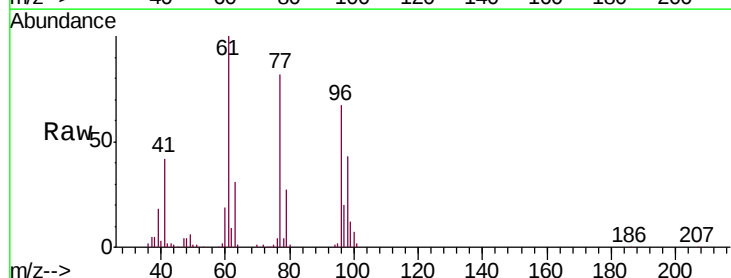
Acq: 05 Sep 2019 14:12

Tgt Ion: 77 Resp: 123418

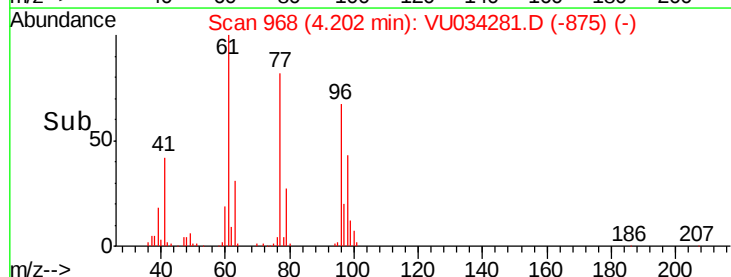
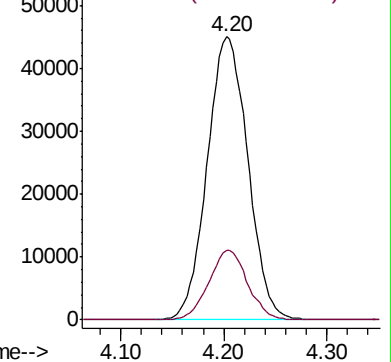
Ion Ratio Lower Upper

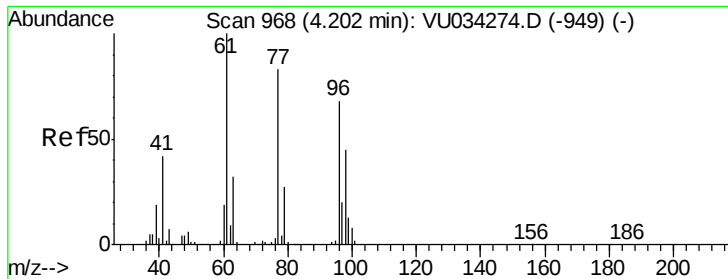
77 100

97 23.4 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034281.D (-875) (-)



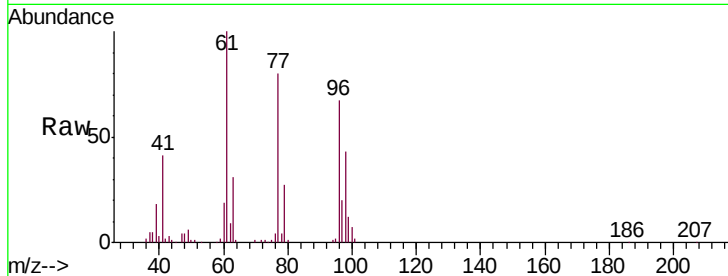


#27

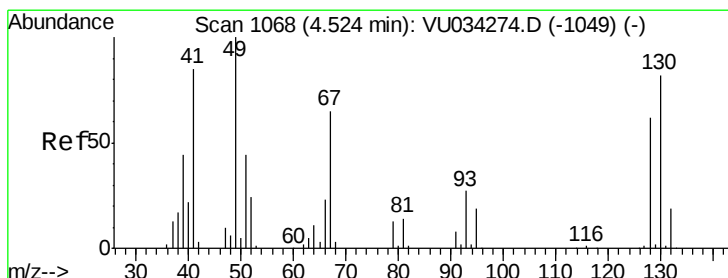
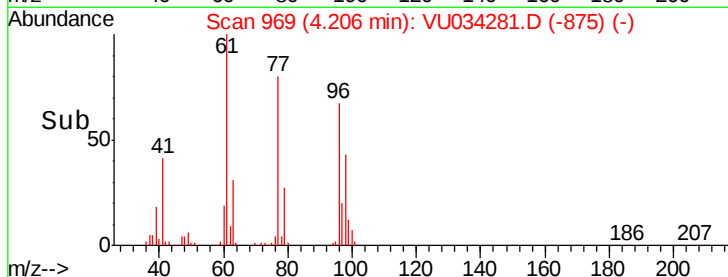
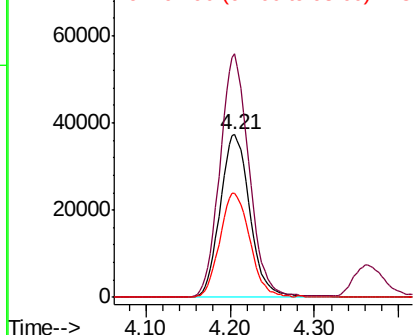
cis-1,2-Dichloroethene
 Concen: 20.046 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tgt Ion: 96 Resp: 91899
 Ion Ratio Lower Upper
 96 100
 61 146.2 0.0 297.4
 98 64.3 0.0 130.0



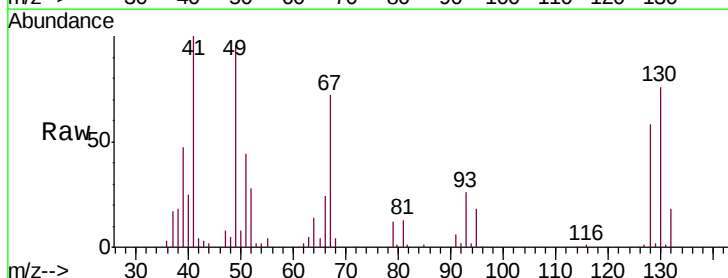
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



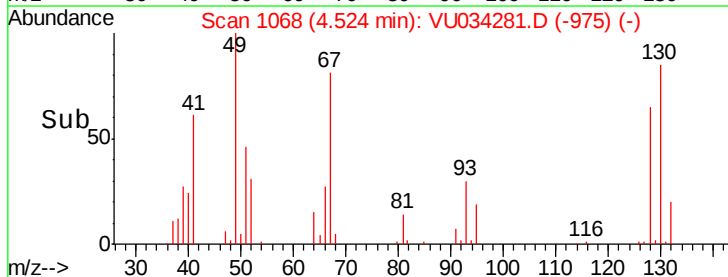
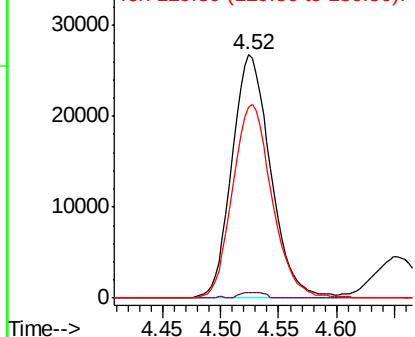
#28

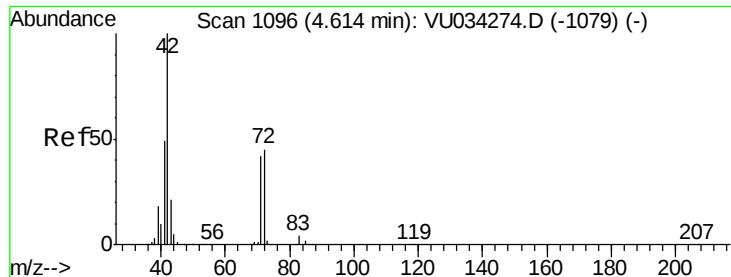
Bromochloromethane
 Concen: 16.901 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion: 49 Resp: 61996
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.8
 130 80.9 65.2 97.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 103.309 ug/l

RT: 4.62 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

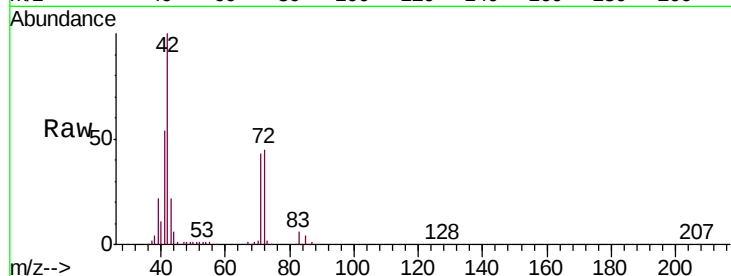
Tgt Ion: 42 Resp: 216313

Ion Ratio Lower Upper

42 100

72 44.5 36.6 54.8

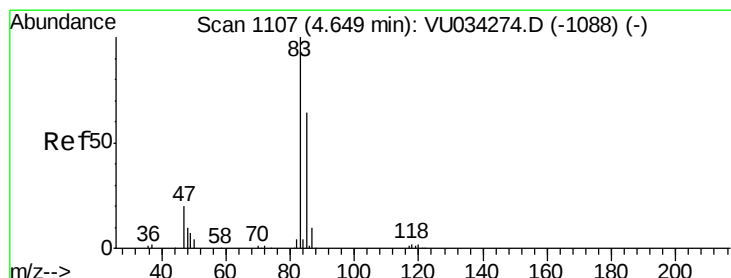
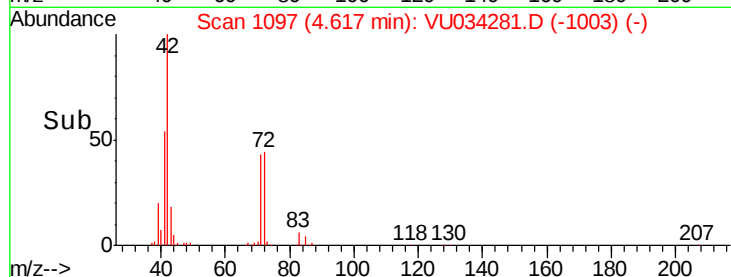
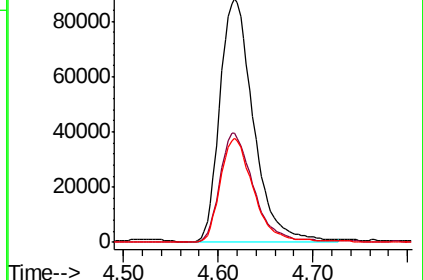
71 42.8 34.3 51.5



Abundance Ion 42.00 (41.70 to 42.70): VU034281.D (-1096) (-)

Ion 72.00 (71.70 to 72.70): VU034281.D (-1096) (-)

Ion 71.00 (70.70 to 71.70): VU034281.D (-1096) (-)



#30

Chloroform

Concen: 19.116 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034281.D

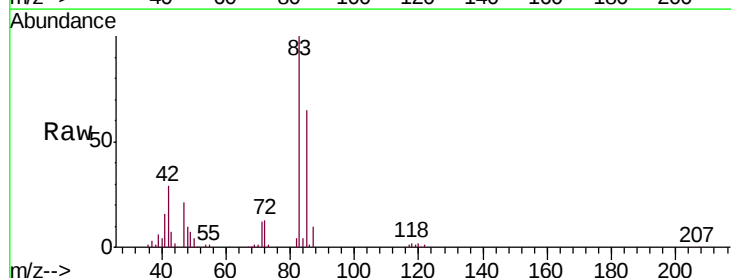
Acq: 05 Sep 2019 14:12

Tgt Ion: 83 Resp: 154962

Ion Ratio Lower Upper

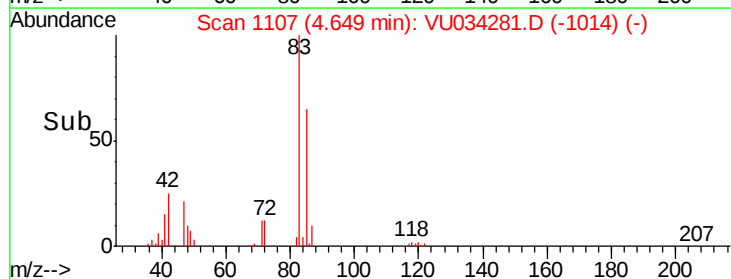
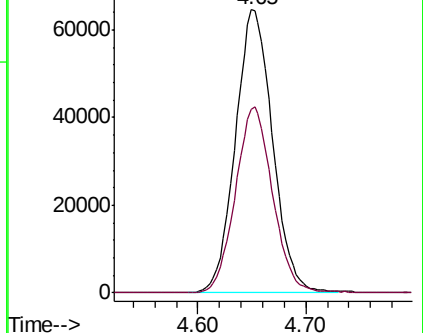
83 100

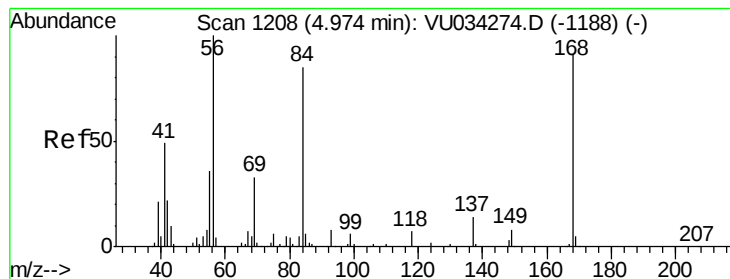
85 64.7 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU034281.D (-1107) (-)

Ion 84.90 (84.60 to 85.60): VU034281.D (-1107) (-)





#31

Cyclohexane

Concen: 19.766 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

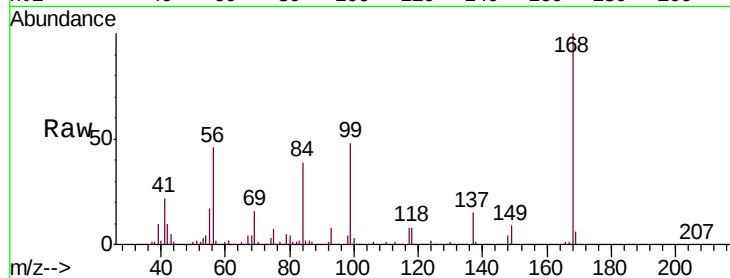
Tgt Ion: 56 Resp: 115327

Ion Ratio Lower Upper

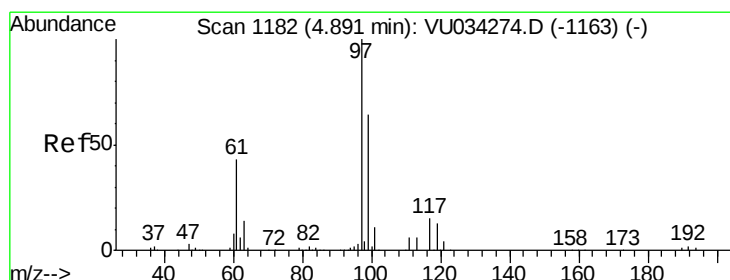
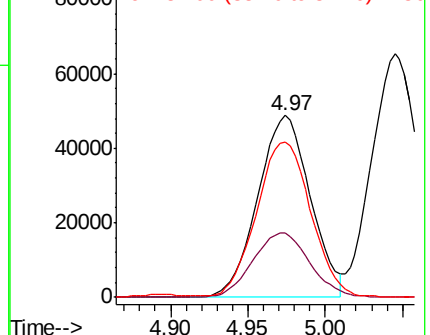
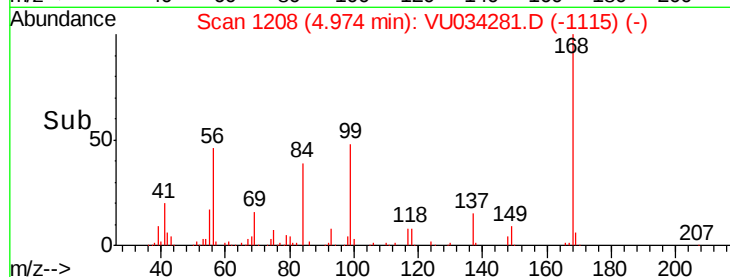
56 100

69 35.2 26.7 40.1

84 84.9 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 19.592 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

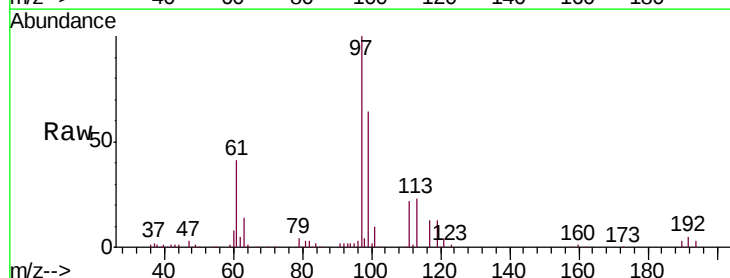
Tgt Ion: 97 Resp: 126984

Ion Ratio Lower Upper

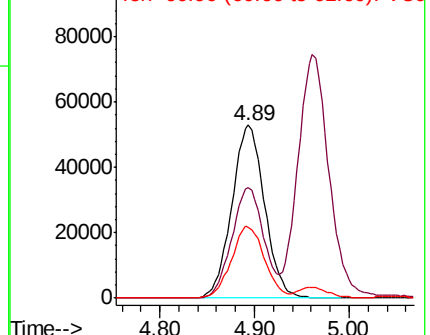
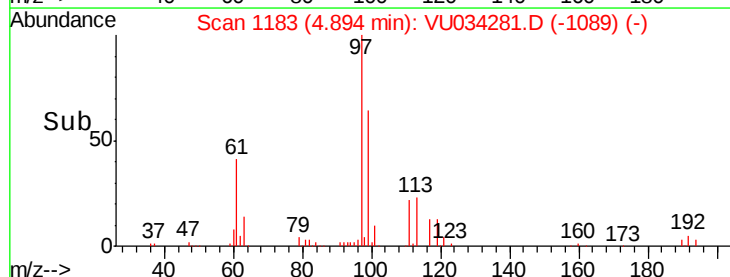
97 100

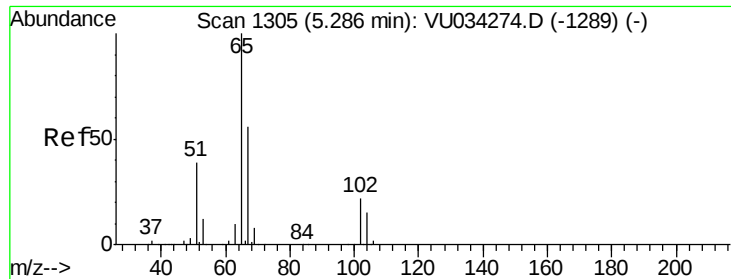
99 62.7 50.9 76.3

61 42.1 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

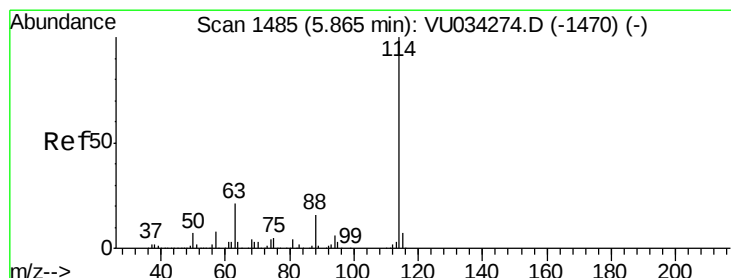
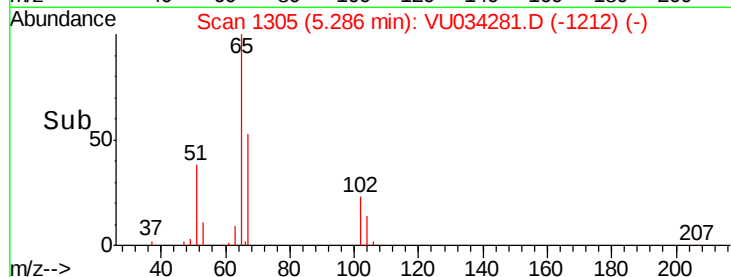
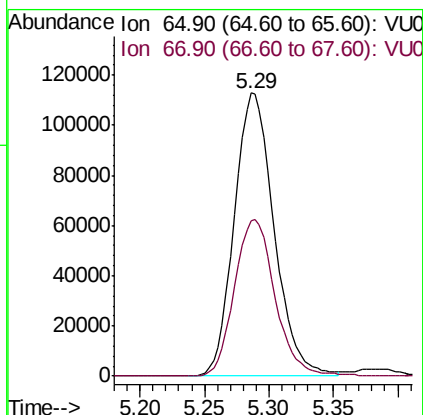
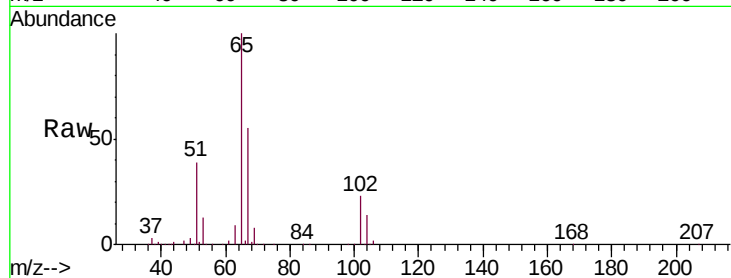




#33
 1,2-Dichloroethane-d4
 Concen: 48.722 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

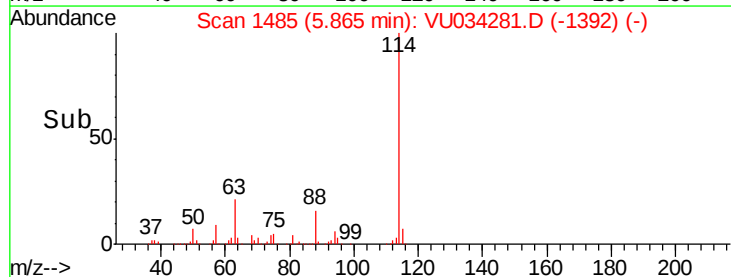
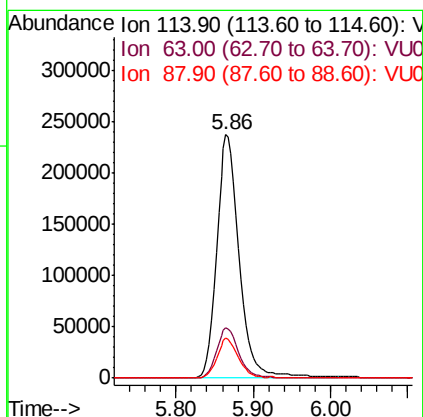
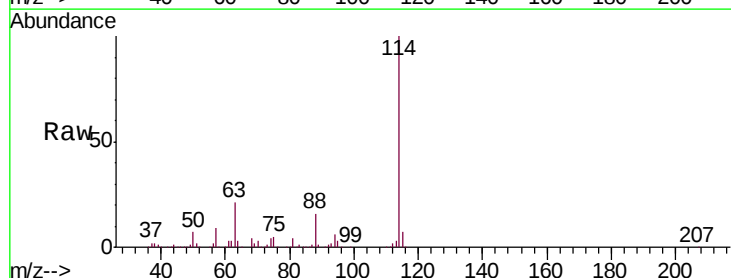
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

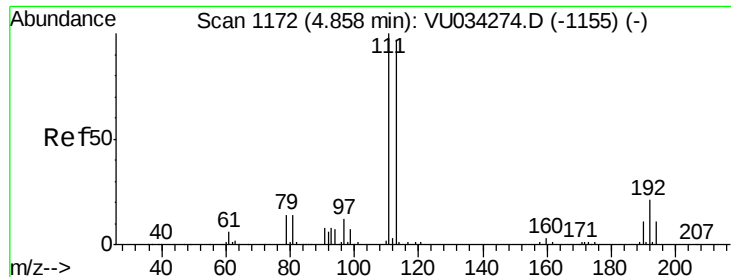
Tgt Ion: 65 Resp: 242695
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion: 114 Resp: 486185
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.4
 88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.972 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

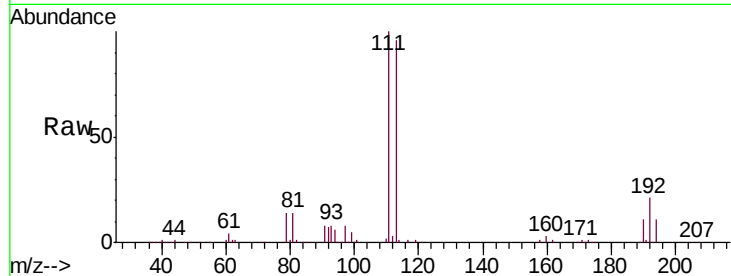
Tgt Ion:113 Resp: 212498

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

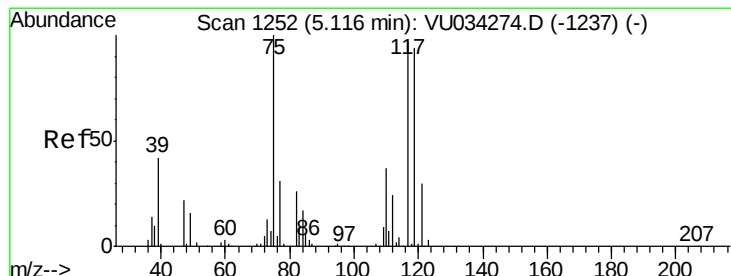
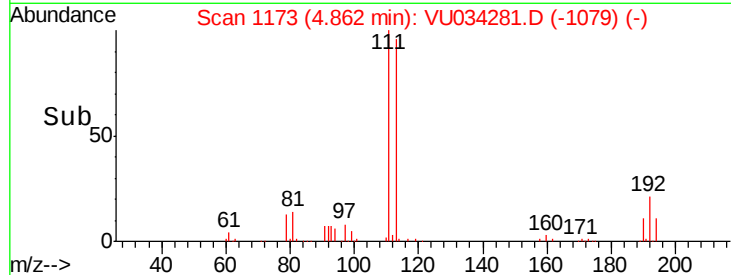
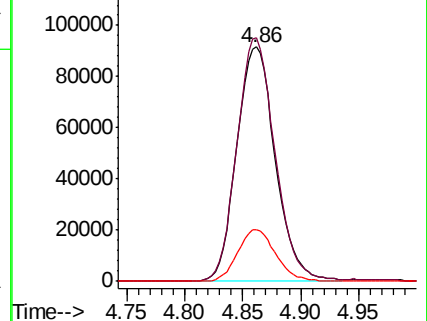
192 21.8 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.104 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

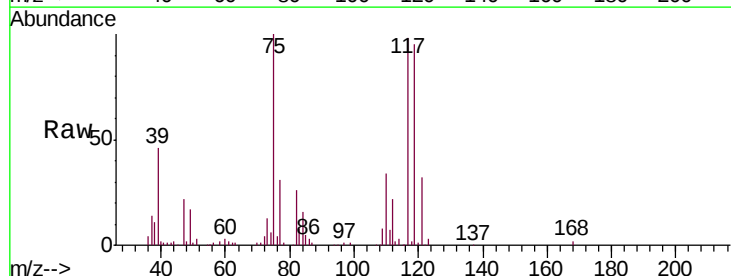
Tgt Ion: 75 Resp: 100728

Ion Ratio Lower Upper

75 100

110 35.8 18.3 54.9

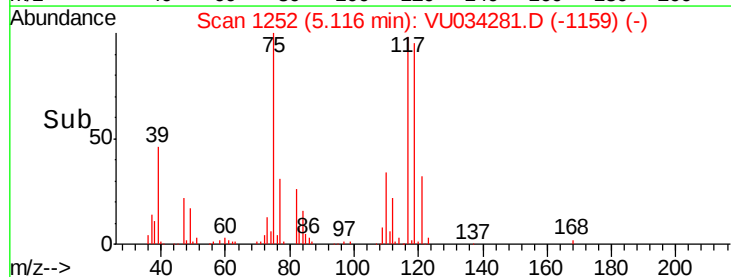
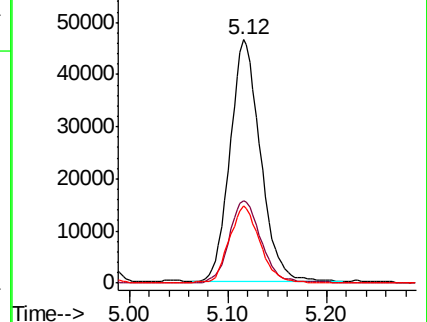
77 31.1 24.9 37.3

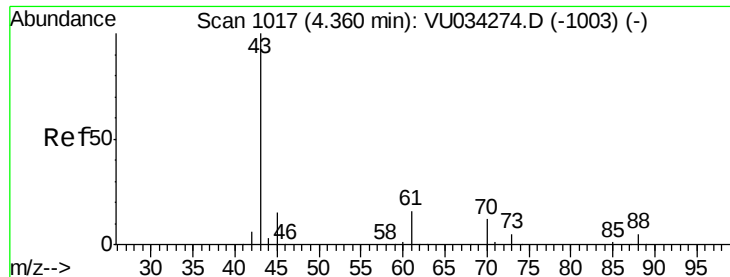


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

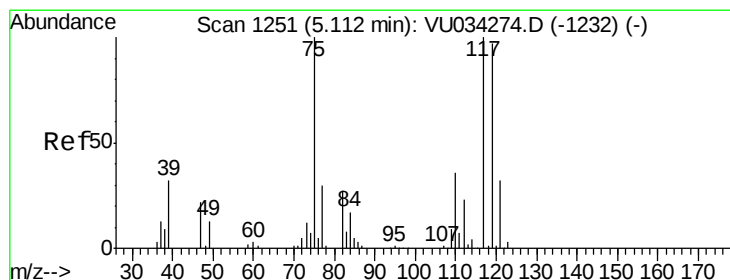
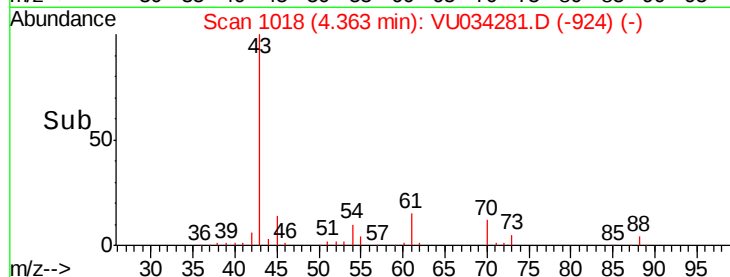
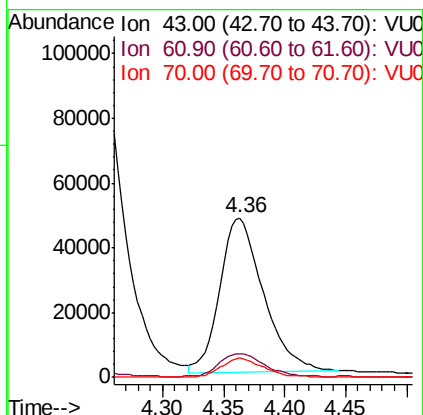
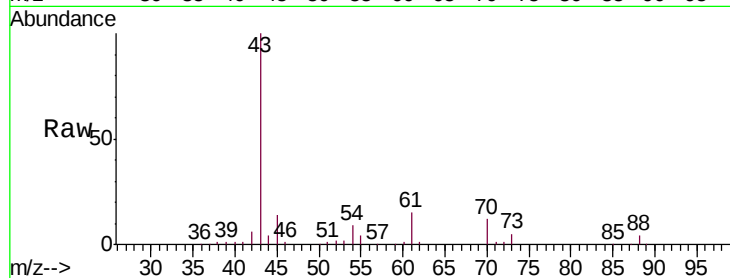




#37
 Ethyl Acetate
 Concen: 18.969 ug/l
 RT: 4.36 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

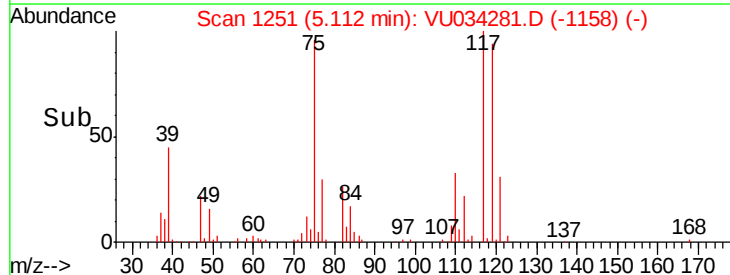
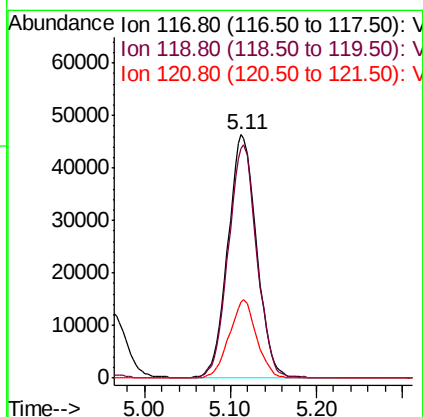
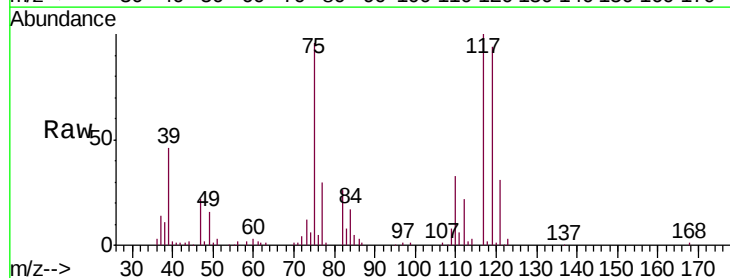
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

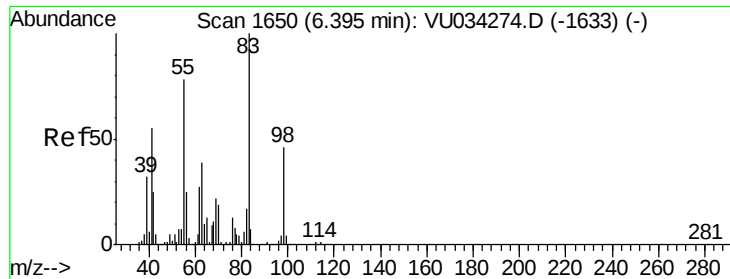
Tgt Ion: 43 Resp: 118257
 Ion Ratio Lower Upper
 43 100
 61 15.6 12.3 18.5
 70 12.2 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 19.088 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion: 117 Resp: 107465
 Ion Ratio Lower Upper
 117 100
 119 94.4 77.8 116.6
 121 31.4 25.2 37.8

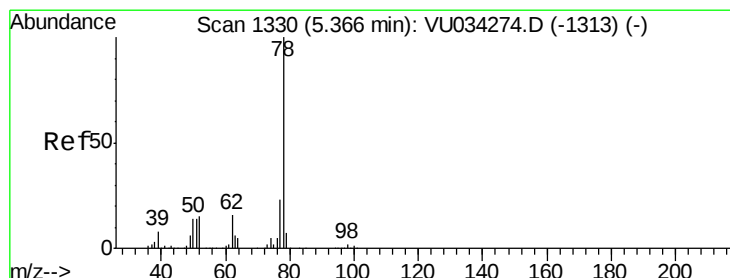
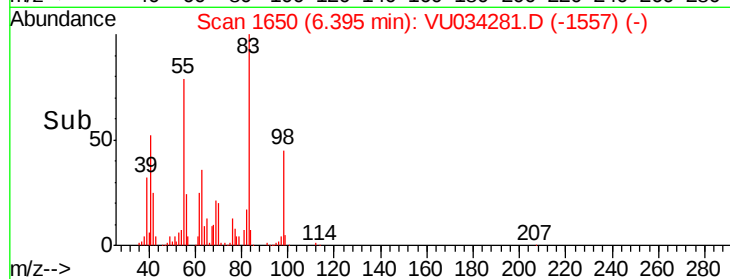
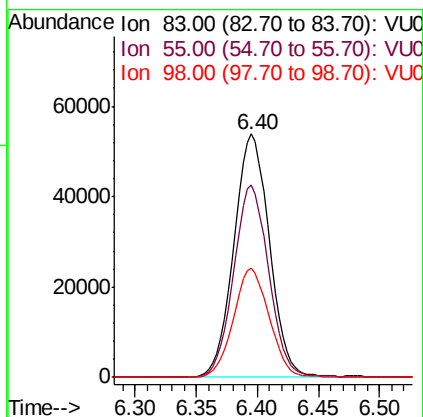
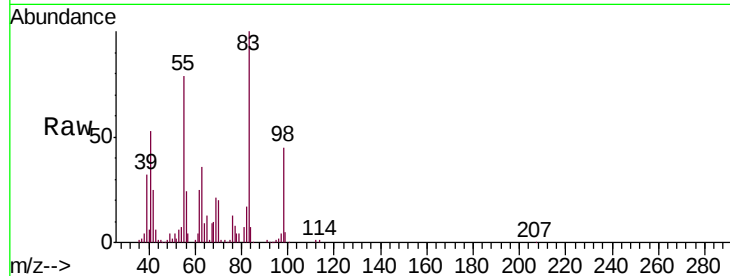




#39
Methylcyclohexane
Concen: 19.283 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

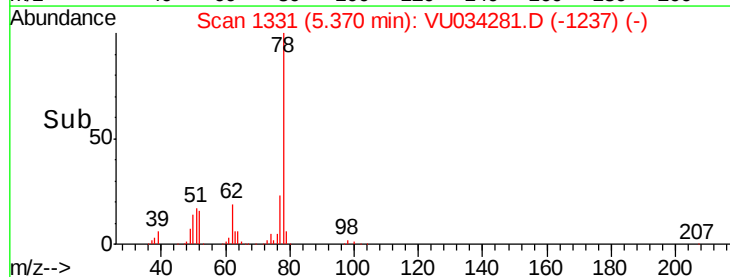
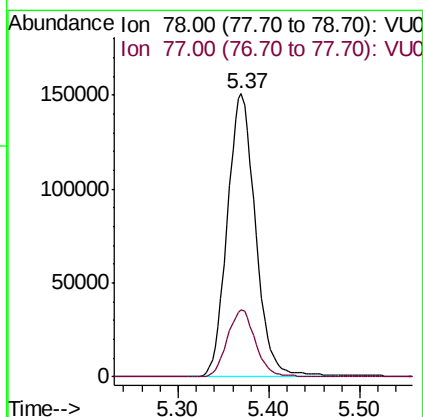
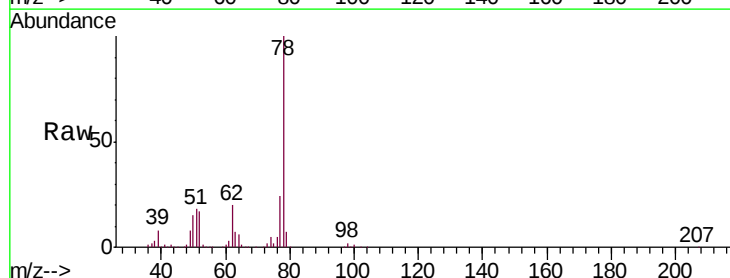
Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

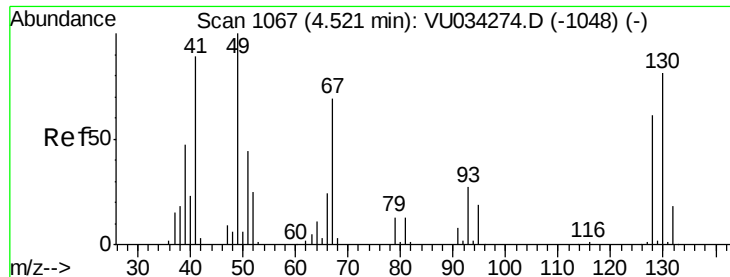
Tgt Ion: 83 Resp: 108688
Ion Ratio Lower Upper
83 100
55 79.2 62.1 93.1
98 44.6 37.0 55.6



#40
Benzene
Concen: 19.156 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion: 78 Resp: 325916
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1

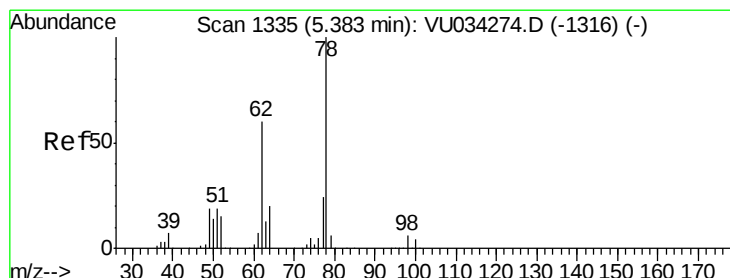
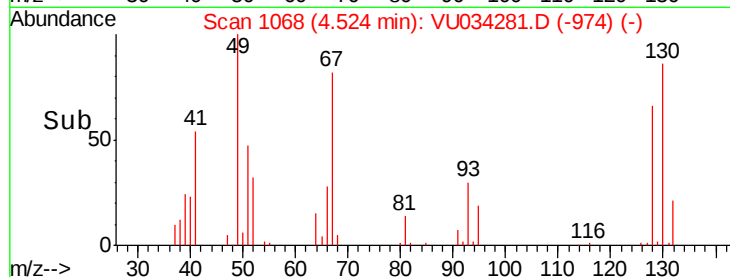
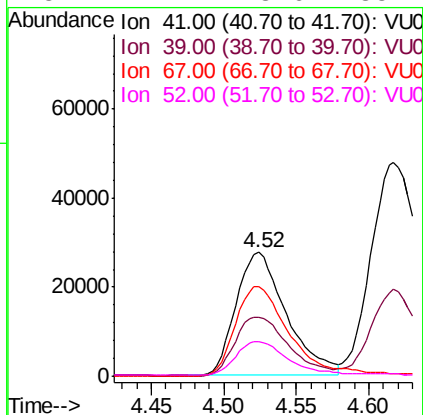
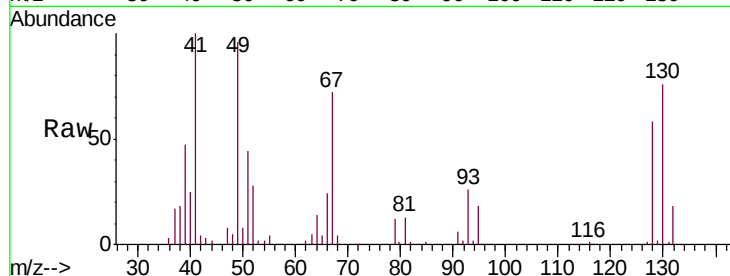




#41
Methacrylonitrile
Concen: 20.178 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

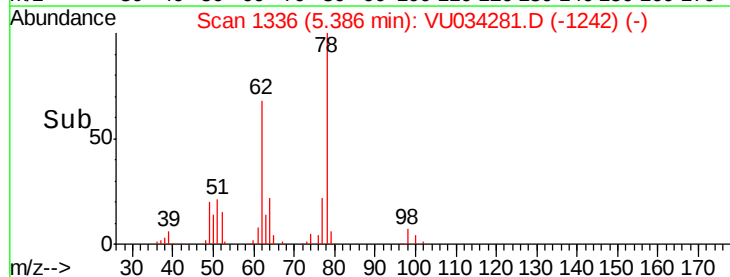
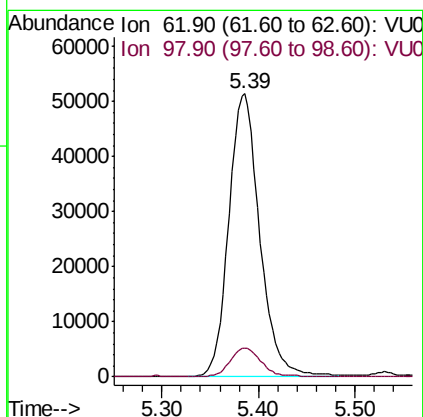
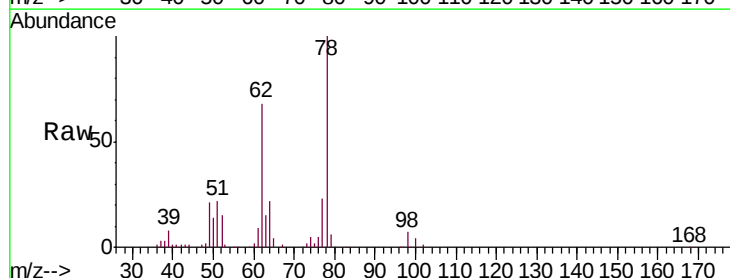
Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

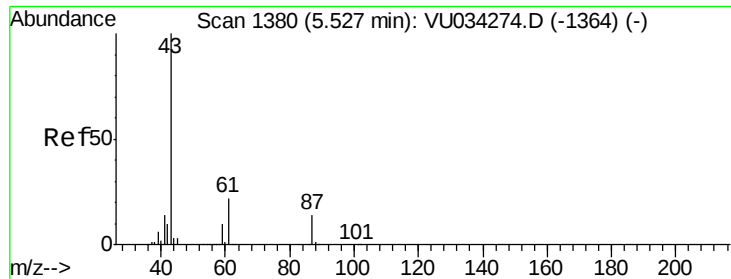
Tgt Ion:	41	Resp:	67003
Ion	Ratio	Lower	Upper
41	100		
39	50.6	41.0	61.4
67	79.1	62.4	93.6
52	27.2	23.6	35.4



#42
1,2-Dichloroethane
Concen: 19.360 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion:	62	Resp:	114360
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0





#43

Isopropyl Acetate

Concen: 19.744 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

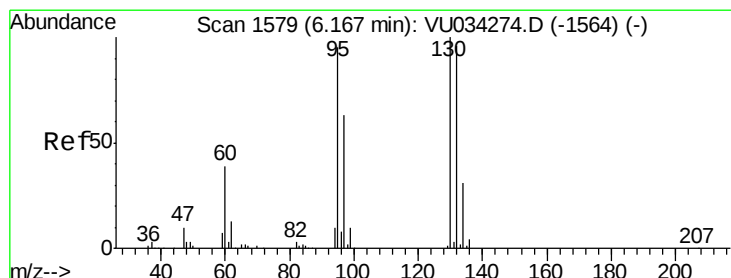
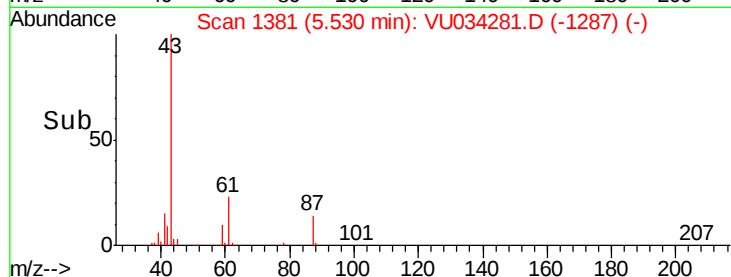
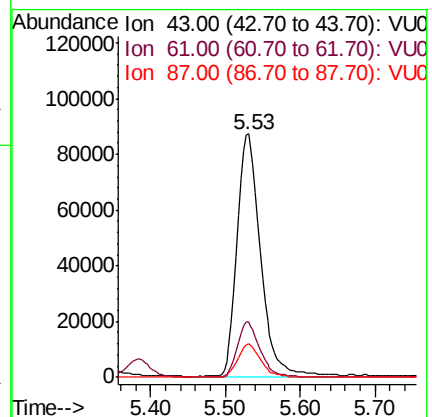
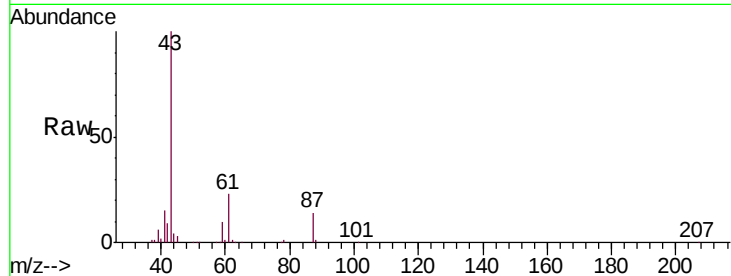
Tgt Ion: 43 Resp: 192016

Ion Ratio Lower Upper

43 100

61 21.9 17.1 25.7

87 13.4 11.1 16.7



#44

Trichloroethene

Concen: 19.182 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VU034281.D

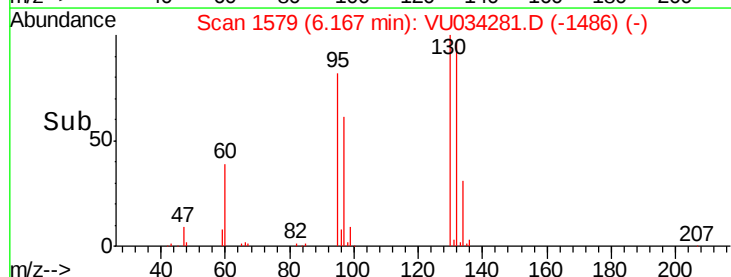
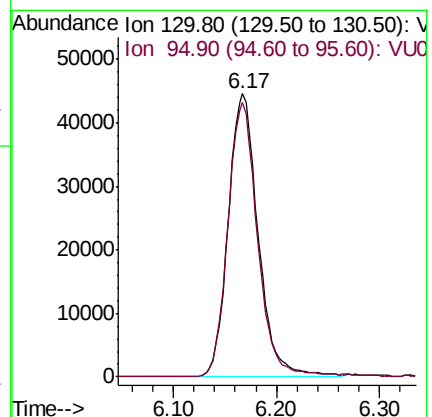
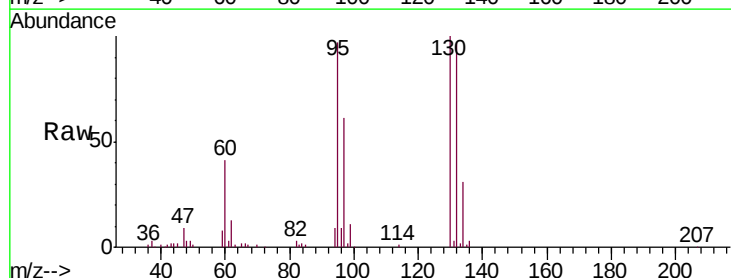
Acq: 05 Sep 2019 14:12

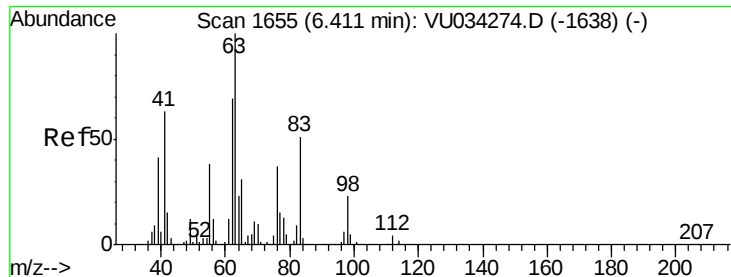
Tgt Ion: 130 Resp: 90312

Ion Ratio Lower Upper

130 100

95 96.8 0.0 189.2





#45

1,2-Dichloropropane

Concen: 19.219 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

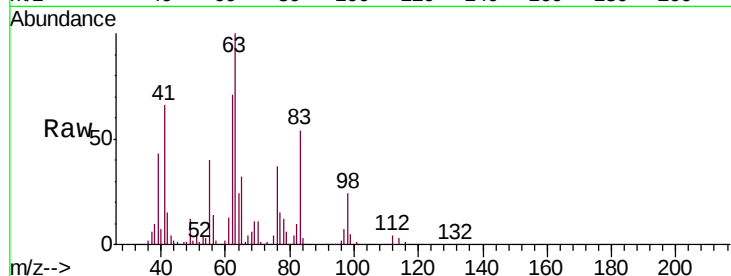
VU0906WBS01

Tgt Ion: 63 Resp: 95594

Ion Ratio Lower Upper

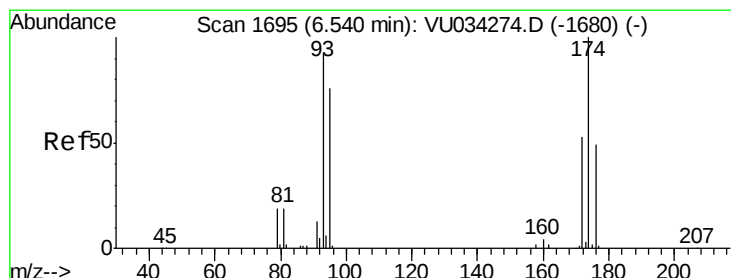
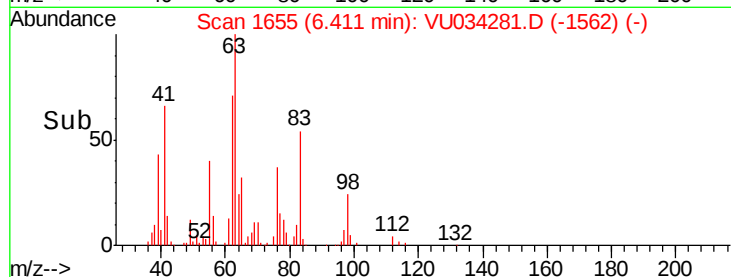
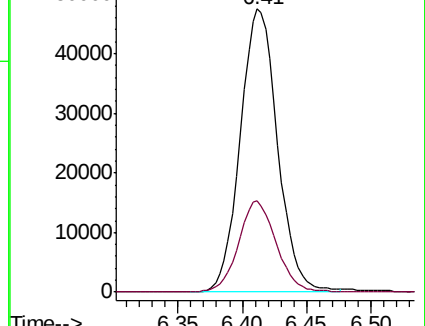
63 100

65 32.1 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034274.D (-1638) (-)



#46

Dibromomethane

Concen: 19.158 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

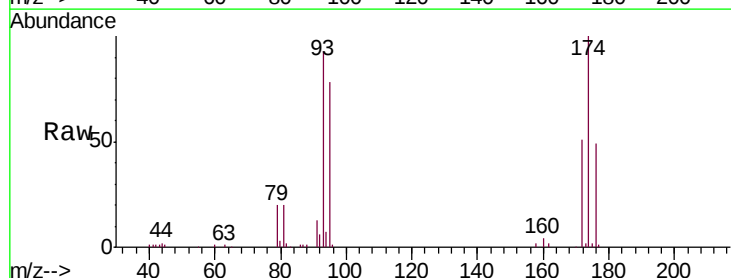
Tgt Ion: 93 Resp: 59813

Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

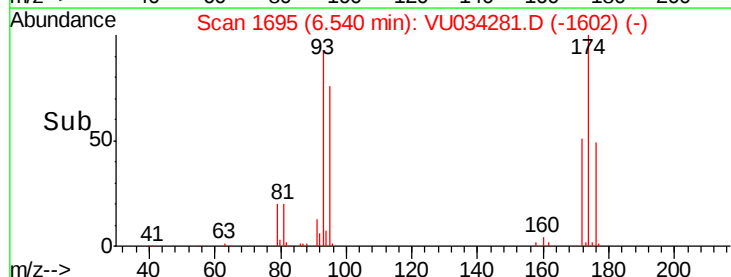
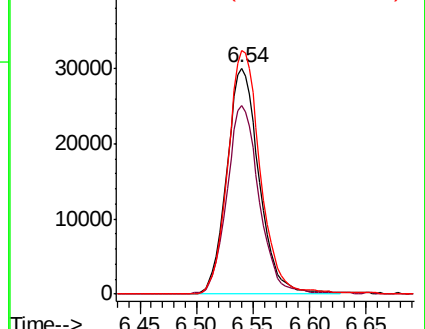
174 108.8 87.8 131.6

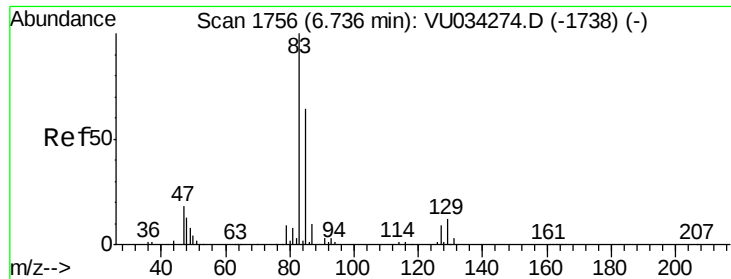


Abundance Ion 92.80 (92.50 to 93.50): VU034274.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034274.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034274.D (-1680) (-)





#47

Bromodichloromethane

Concen: 18.979 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

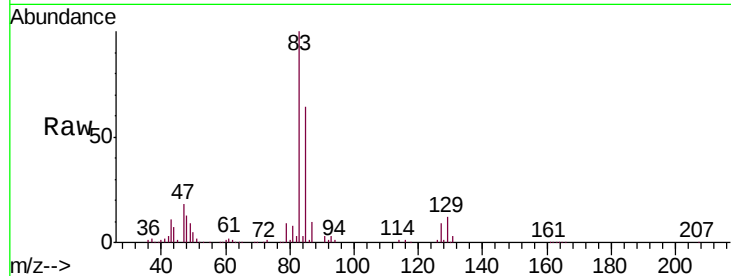
Tgt Ion: 83 Resp: 121972

Ion Ratio Lower Upper

83 100

85 63.6 51.1 76.7

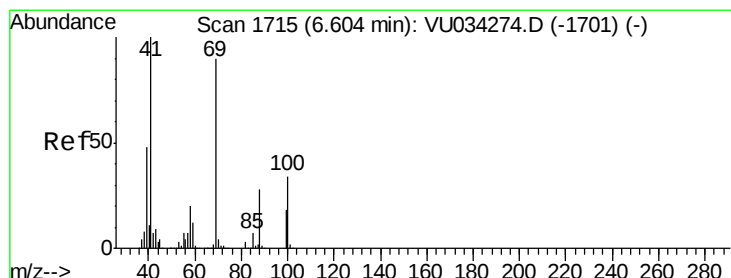
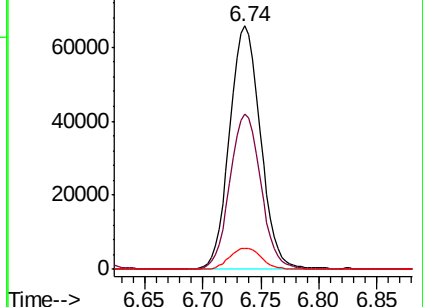
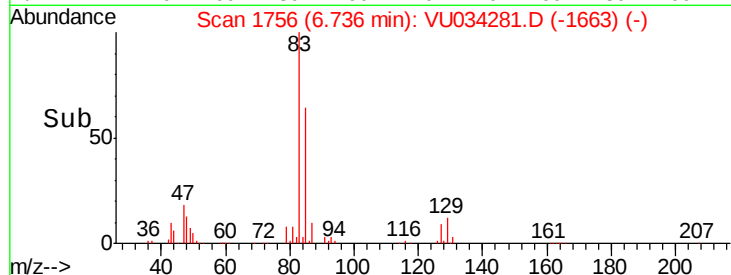
127 8.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034281.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034281.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034281.D (-1663) (-)



#48

Methyl methacrylate

Concen: 19.119 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

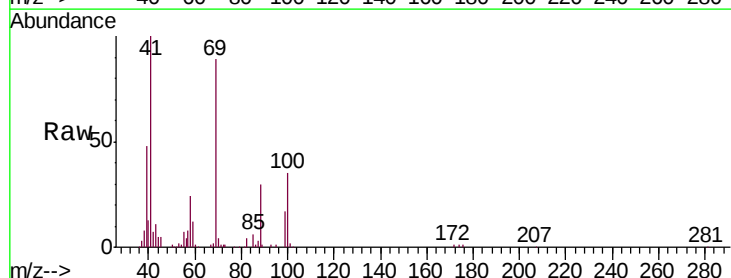
Tgt Ion: 41 Resp: 88311

Ion Ratio Lower Upper

41 100

69 92.0 72.8 109.2

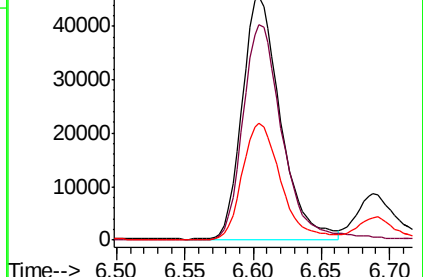
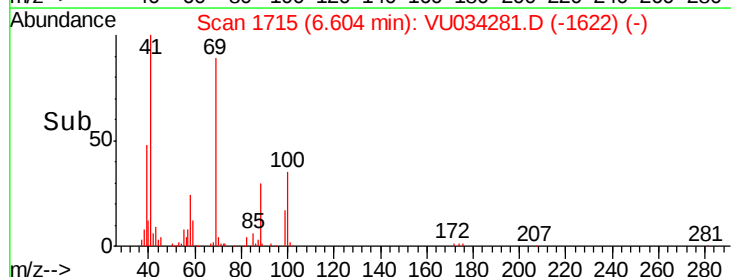
39 47.9 38.6 58.0

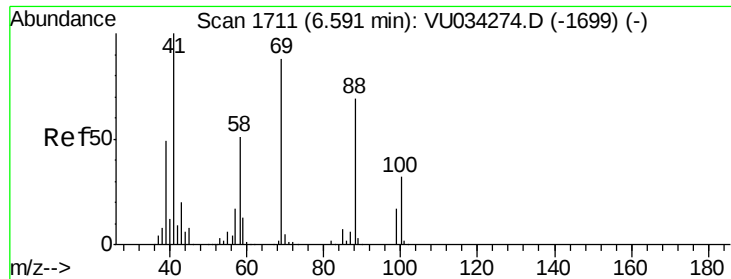


Abundance Ion 41.00 (40.70 to 41.70): VU034281.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034281.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034281.D (-1622) (-)

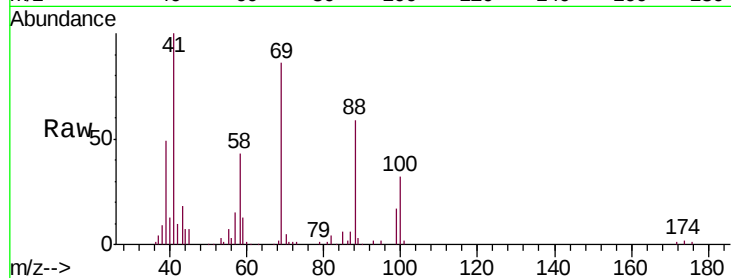




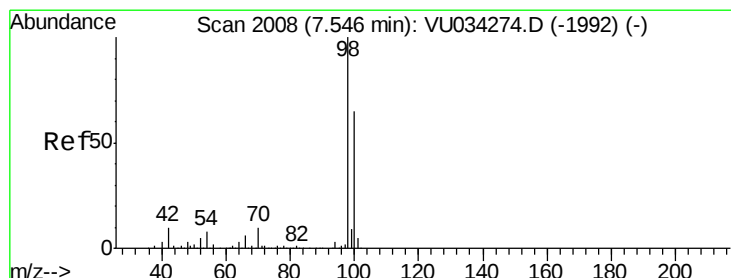
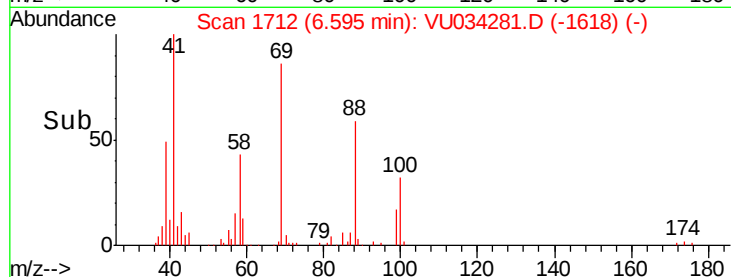
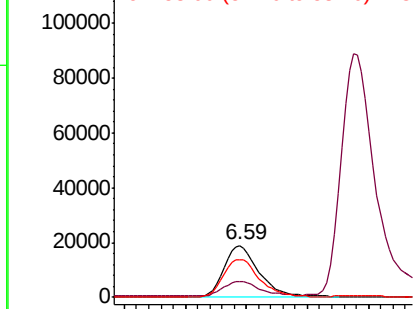
#49
 1,4-Dioxane
 Concen: 370.563 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tgt Ion: 88 Resp: 37376
 Ion Ratio Lower Upper
 88 100
 43 30.7 23.8 35.6
 58 77.3 58.4 87.6

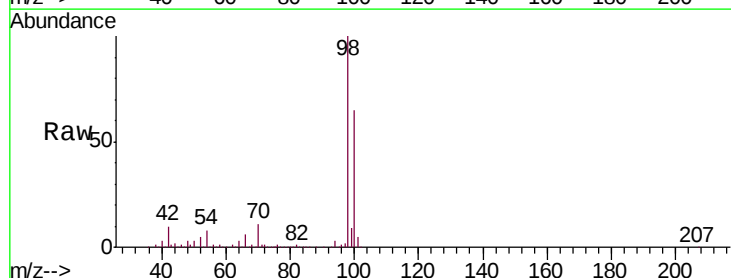


Abundance Ion 88.00 (87.70 to 88.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

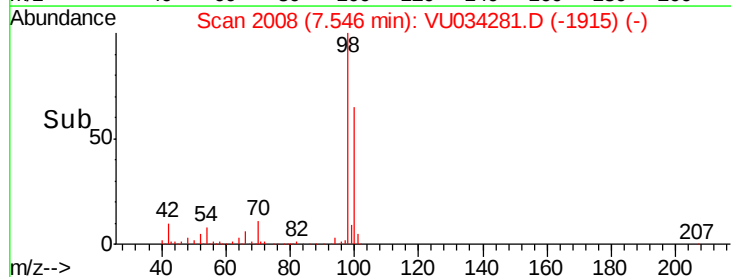
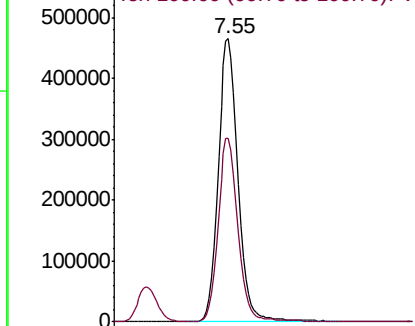


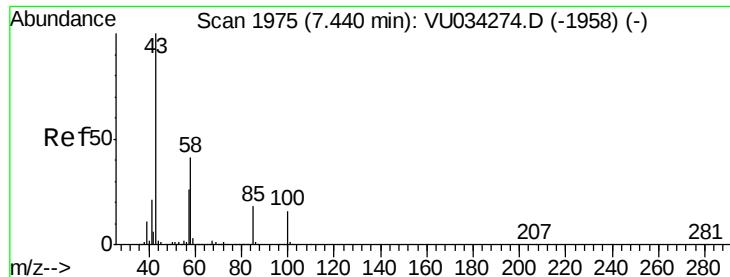
#50
 Toluene-d8
 Concen: 49.308 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion: 98 Resp: 838072
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

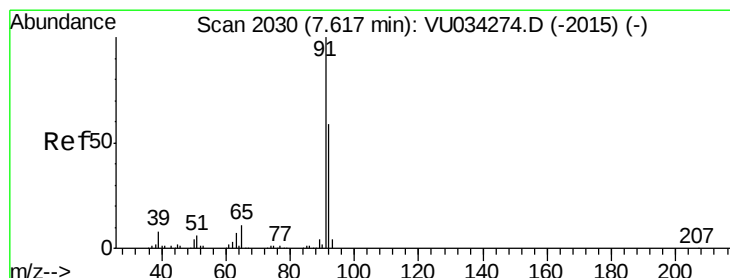
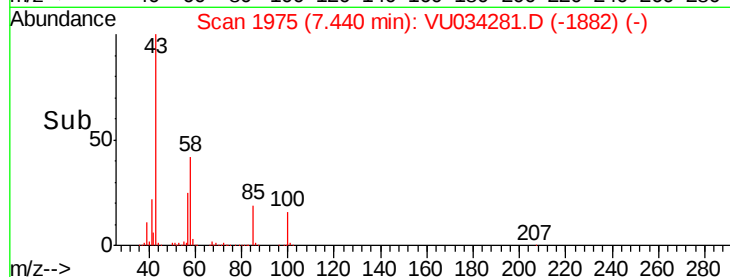
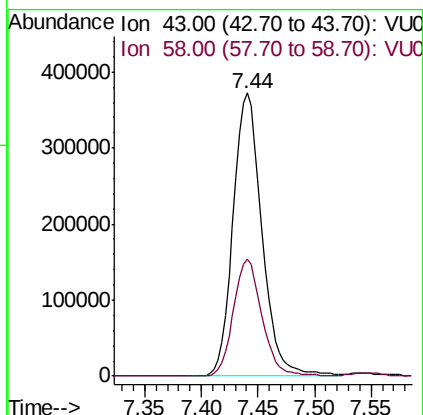
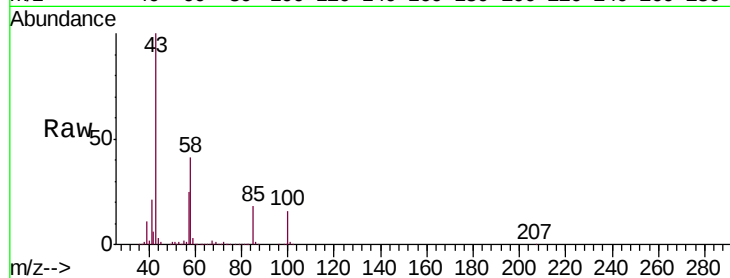




#51
 4-Methyl-2-Pentanone
 Concen: 98.024 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

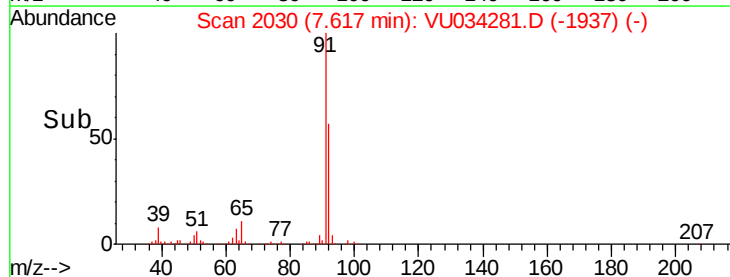
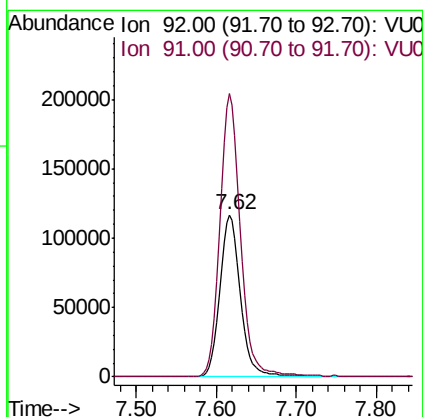
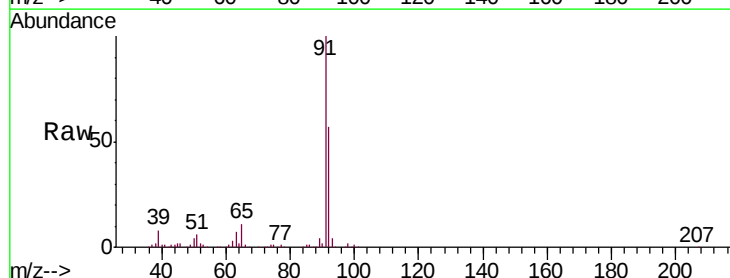
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

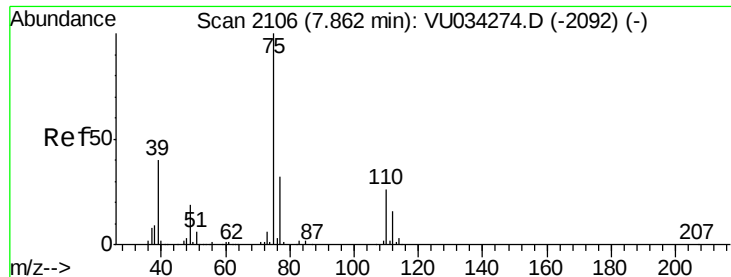
Tgt Ion: 43 Resp: 659868
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.0 49.4



#52
 Toluene
 Concen: 19.629 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion: 92 Resp: 209493
 Ion Ratio Lower Upper
 92 100
 91 174.0 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.926 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

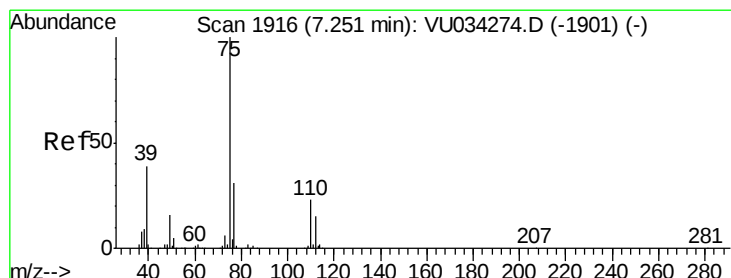
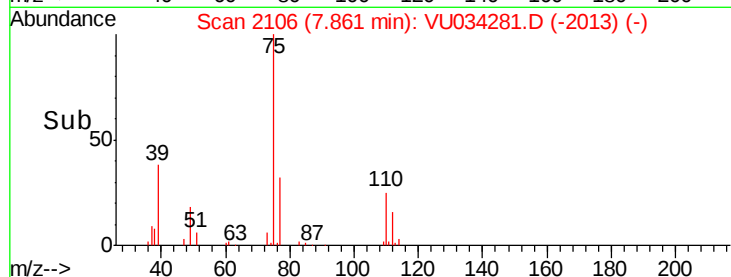
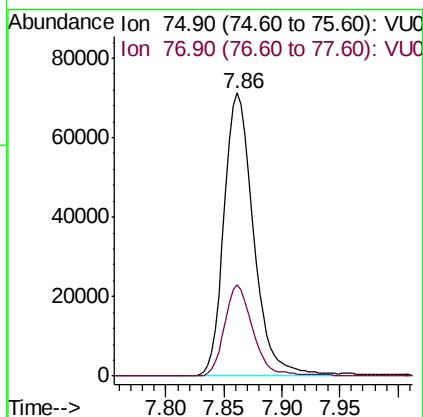
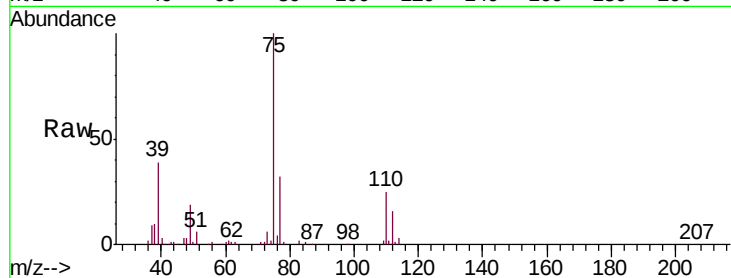
VU0906WBS01

Tgt Ion: 75 Resp: 126082

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.442 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

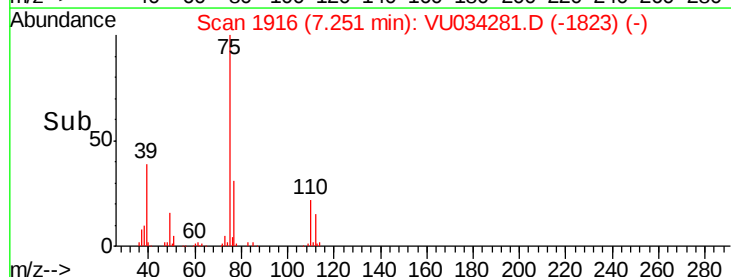
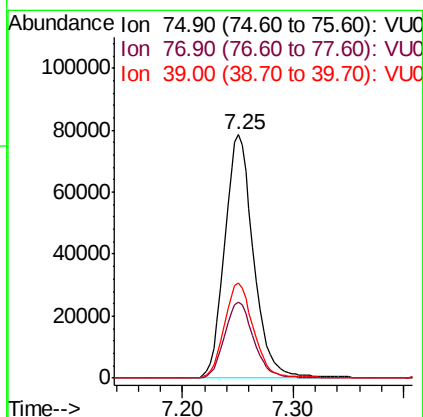
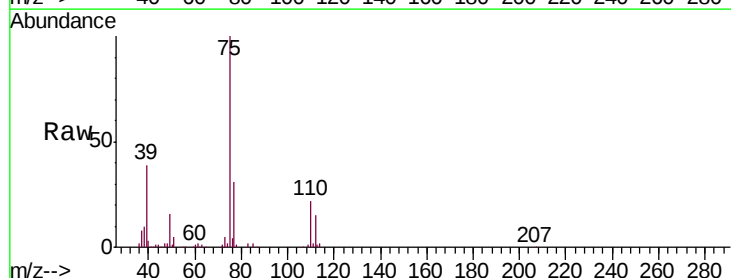
Tgt Ion: 75 Resp: 142152

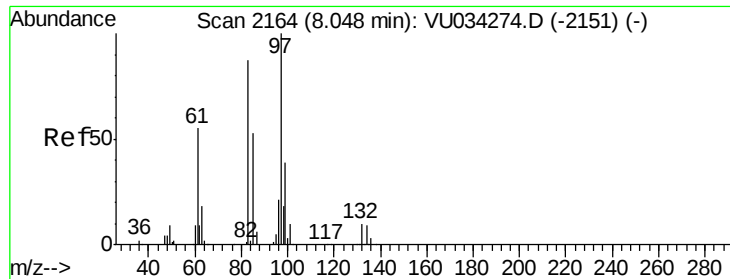
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 38.7 31.2 46.8





#55

1,1,2-Trichloroethane

Concen: 18.794 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tgt Ion: 97 Resp: 91081

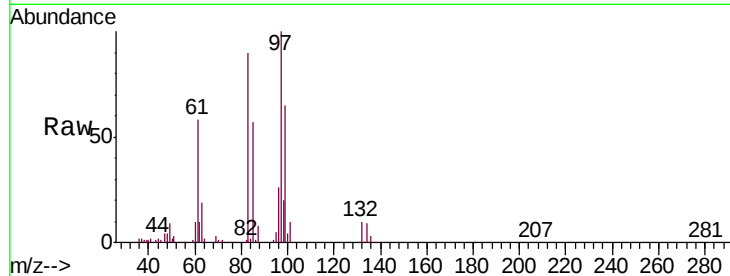
Ion Ratio Lower Upper

97 100

83 90.1 69.0 103.6

85 57.0 44.2 66.2

99 65.0 49.4 74.0

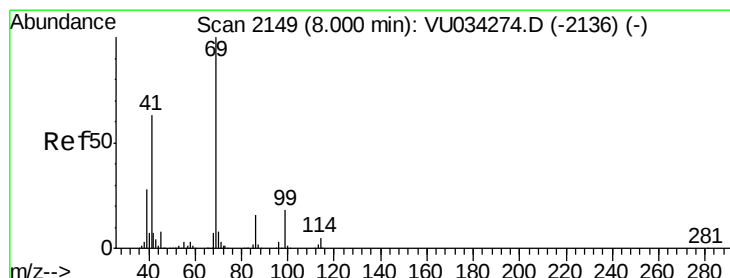
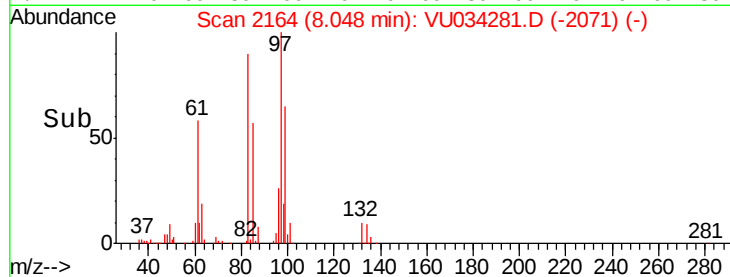
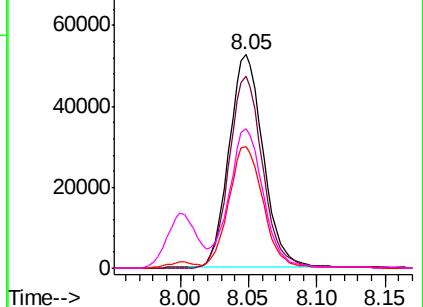


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 19.748 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

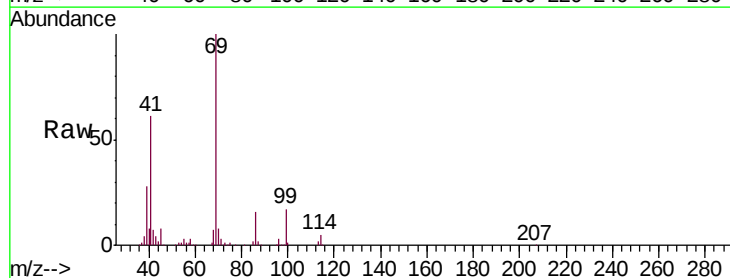
Tgt Ion: 69 Resp: 130801

Ion Ratio Lower Upper

69 100

41 60.4 49.5 74.3

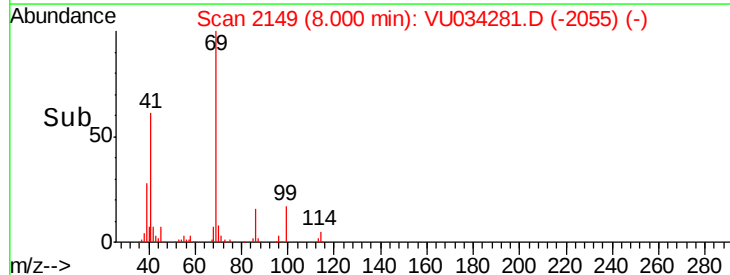
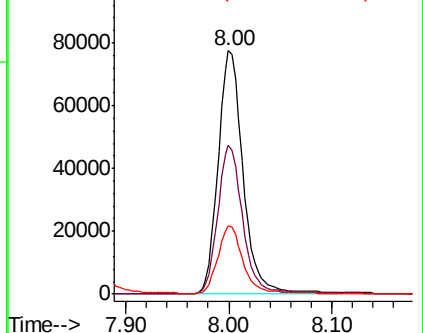
39 27.0 22.5 33.7

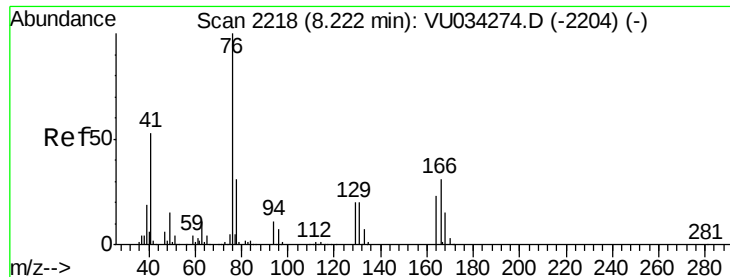


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 19.206 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

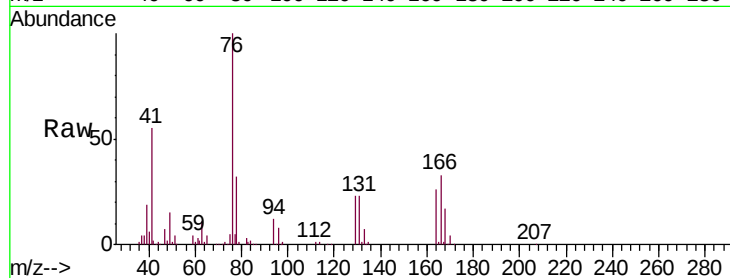
VU0906WBS01

Tgt Ion: 76 Resp: 151561

Ion Ratio Lower Upper

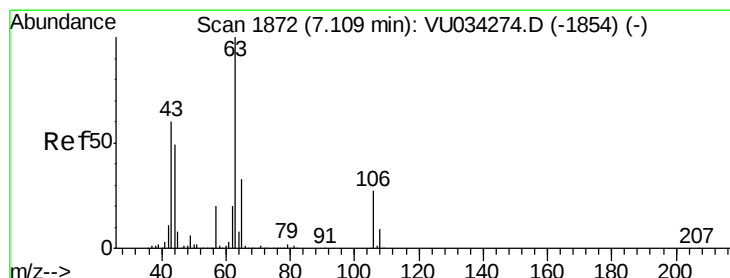
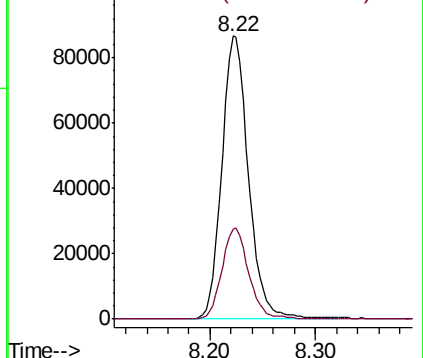
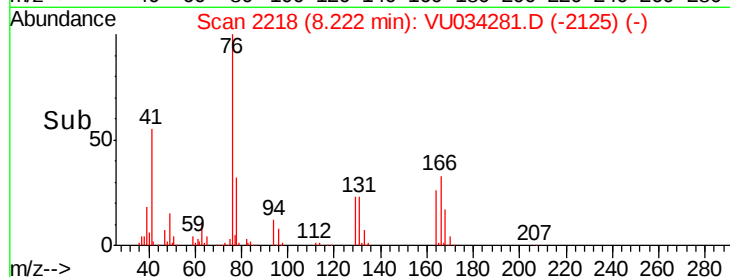
76 100

78 32.4 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU034281.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034281.D (-2125) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 94.738 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034281.D

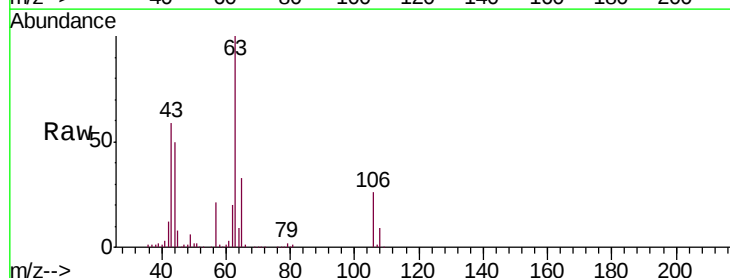
Acq: 05 Sep 2019 14:12

Tgt Ion: 63 Resp: 208458

Ion Ratio Lower Upper

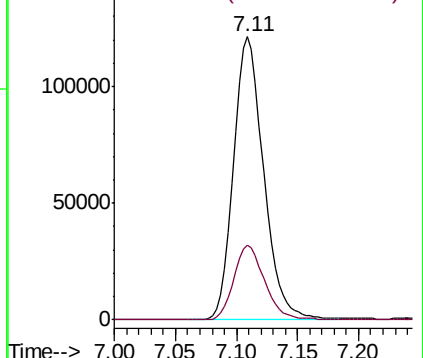
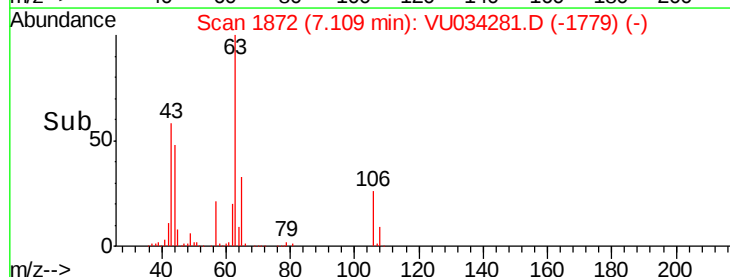
63 100

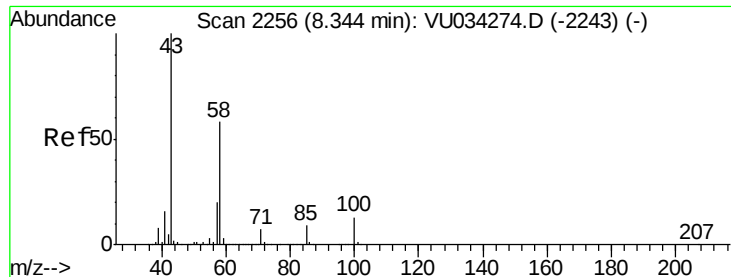
106 27.0 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU034281.D (-1779) (-)

Ion 105.90 (105.60 to 106.60): VU034281.D (-1779) (-)

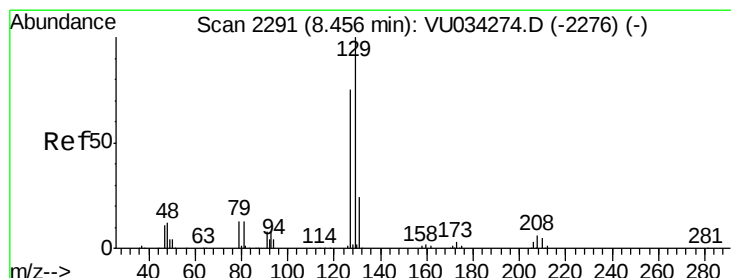
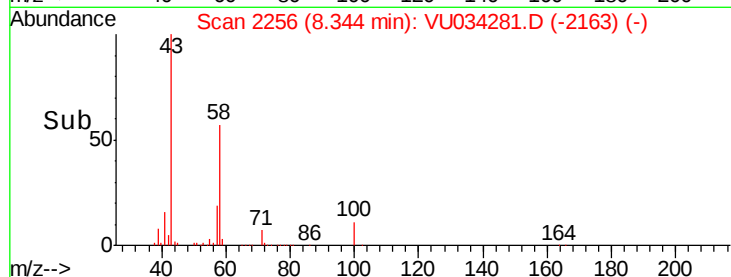
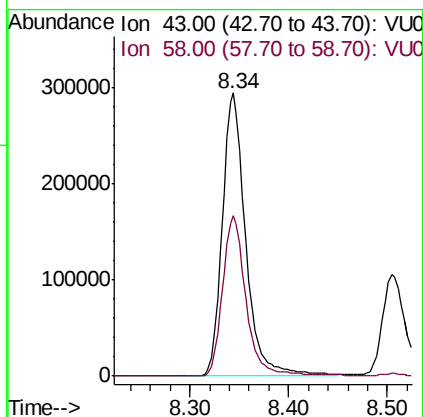
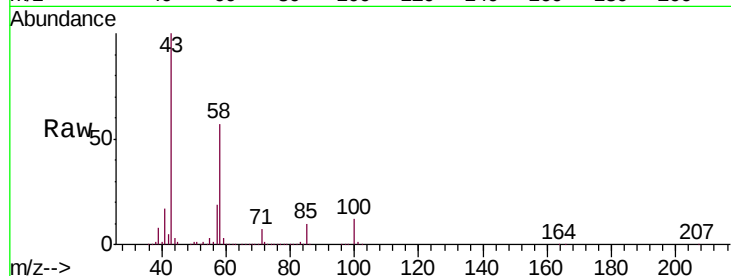




#59
2-Hexanone
Concen: 97.648 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

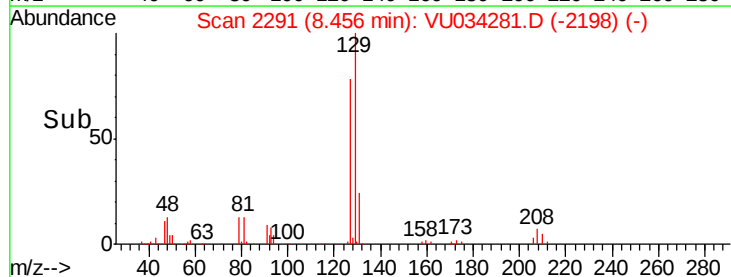
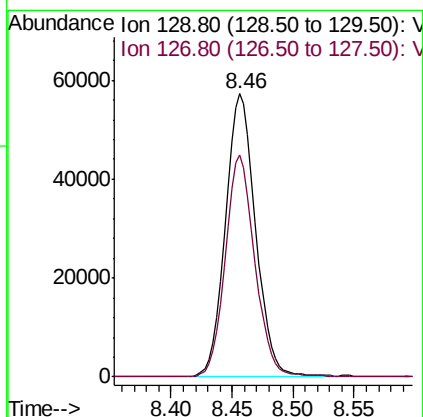
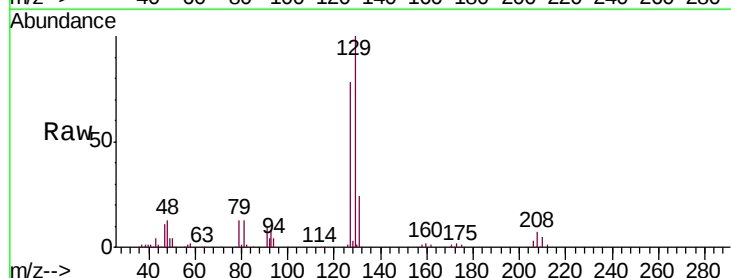
Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

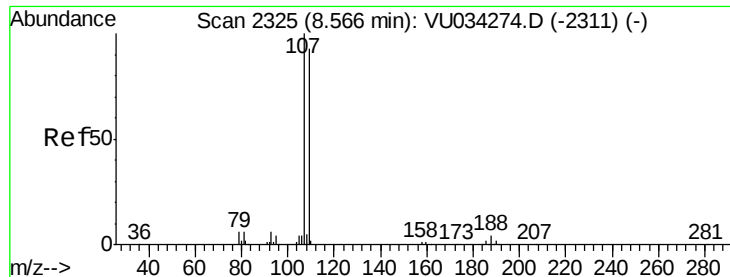
Tgt Ion: 43 Resp: 491066
Ion Ratio Lower Upper
43 100
58 56.9 28.8 86.5



#60
Dibromochloromethane
Concen: 19.107 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion: 129 Resp: 99321
Ion Ratio Lower Upper
129 100
127 76.7 37.9 113.7





#61

1,2-Dibromoethane

Concen: 19.515 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

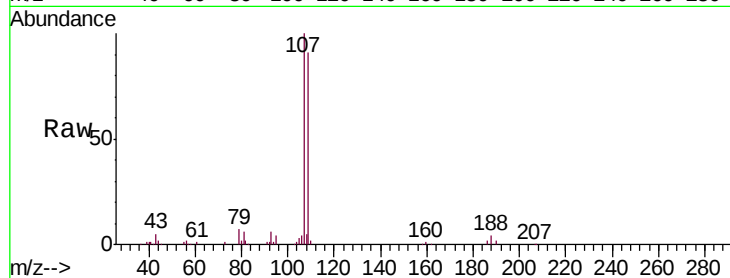
VU0906WBS01

Tgt Ion: 107 Resp: 92566

Ion Ratio Lower Upper

107 100

109 91.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

60000

50000

40000

30000

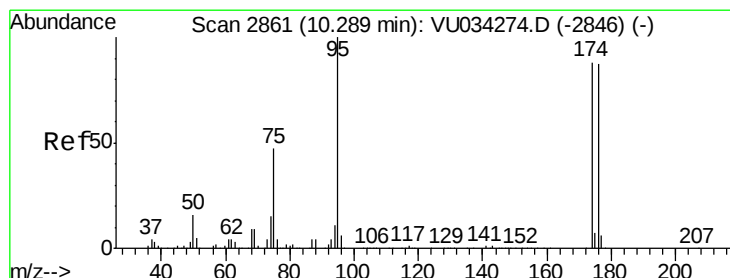
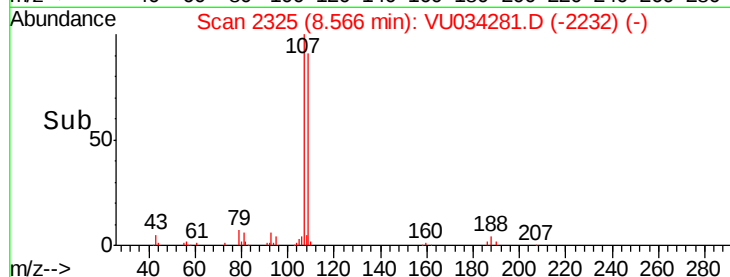
20000

10000

0

Time-->

8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 46.531 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

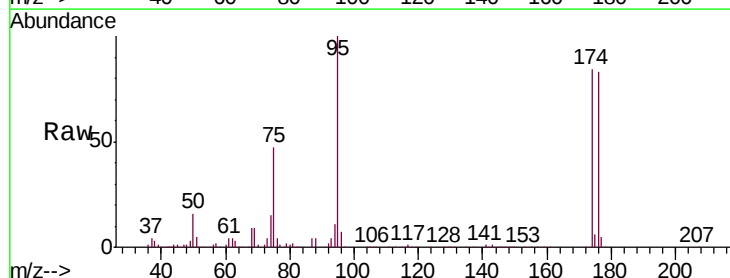
Tgt Ion: 95 Resp: 305351

Ion Ratio Lower Upper

95 100

174 86.6 0.0 175.2

176 85.0 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

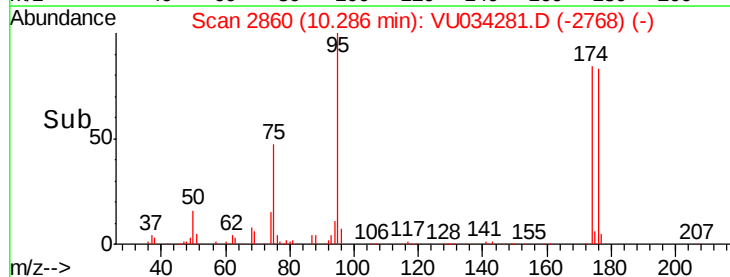
100000

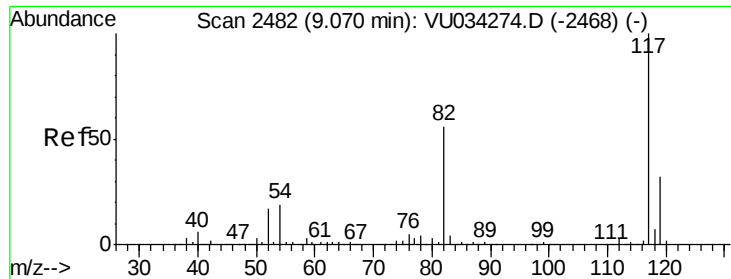
50000

0

Time-->

10.20 10.30 10.40

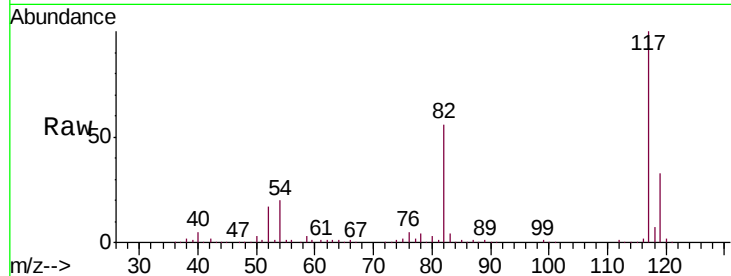




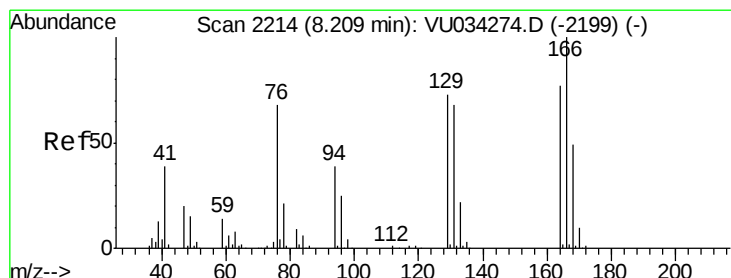
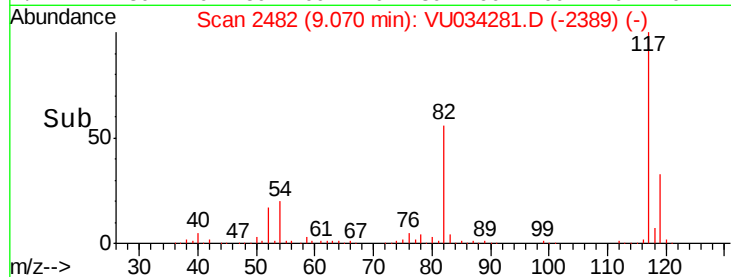
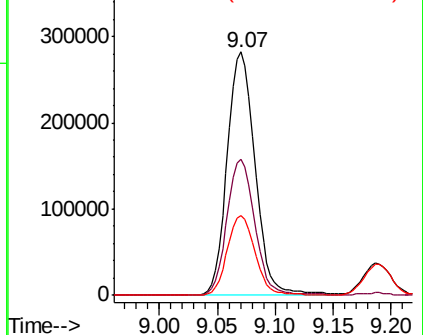
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tgt Ion:117 Resp: 474127
Ion Ratio Lower Upper
117 100
82 56.0 44.6 67.0
119 32.9 25.9 38.9

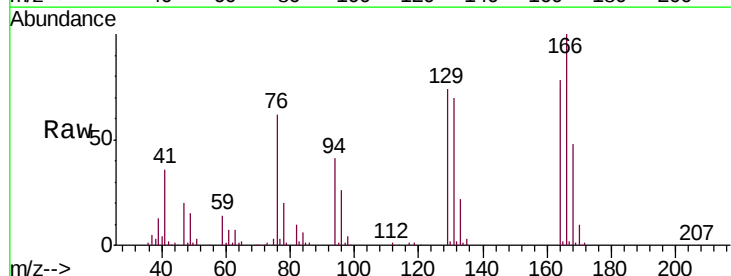


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

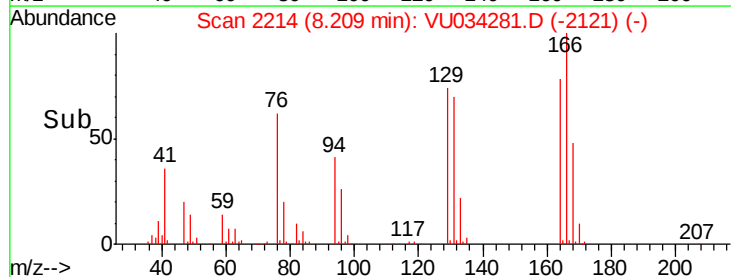
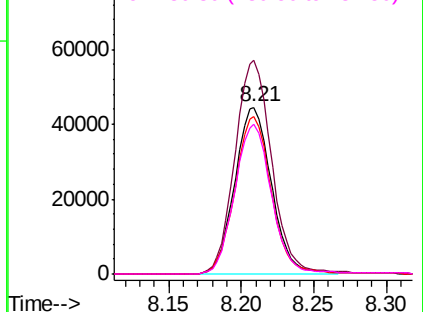


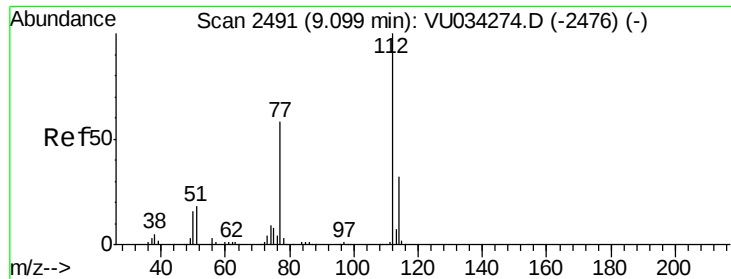
#64
Tetrachloroethene
Concen: 19.057 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion:164 Resp: 78389
Ion Ratio Lower Upper
164 100
166 128.1 103.7 155.5
129 94.2 75.8 113.8
131 89.5 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.869 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

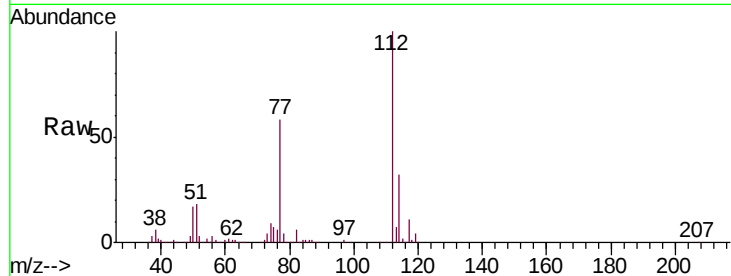
VU0906WBS01

Tgt Ion:112 Resp: 239000

Ion Ratio Lower Upper

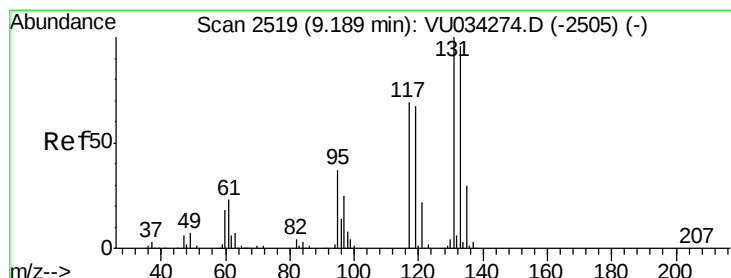
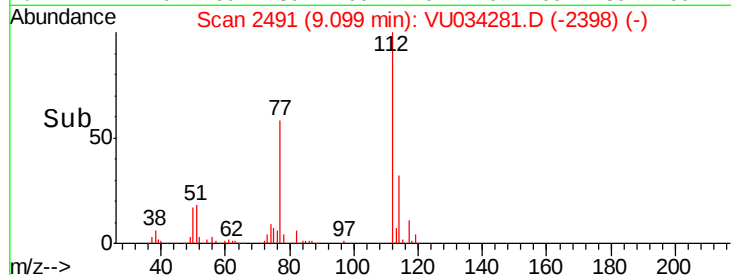
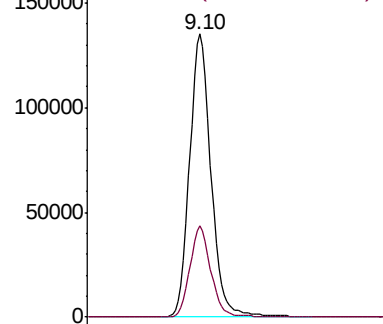
112 100

114 32.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.313 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

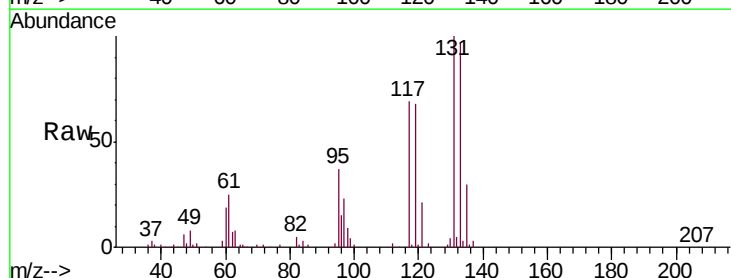
Tgt Ion:131 Resp: 88660

Ion Ratio Lower Upper

131 100

133 96.1 47.9 143.7

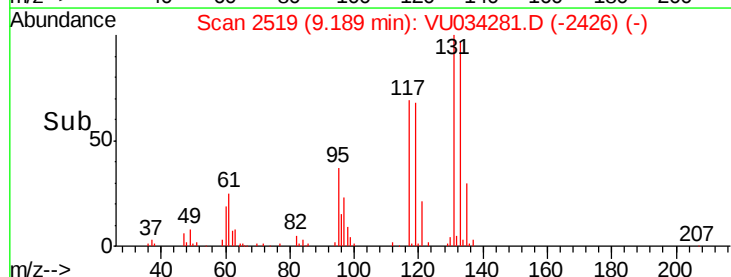
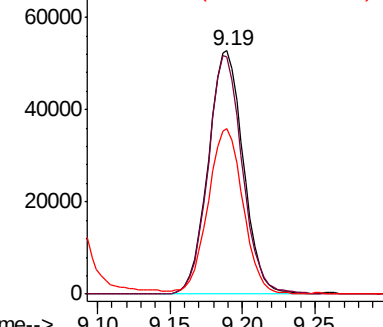
119 67.5 33.1 99.5

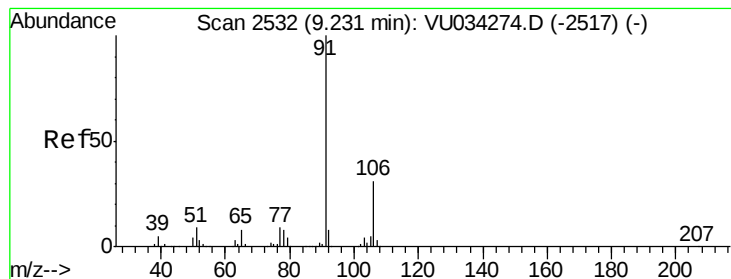


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.191 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

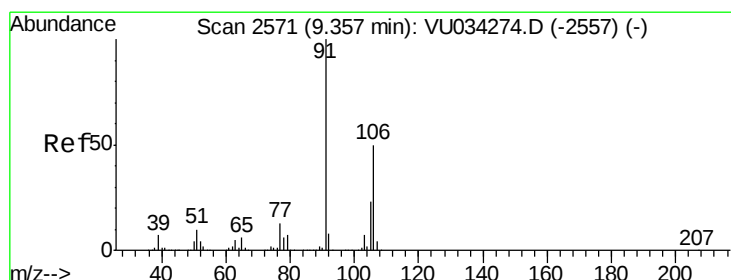
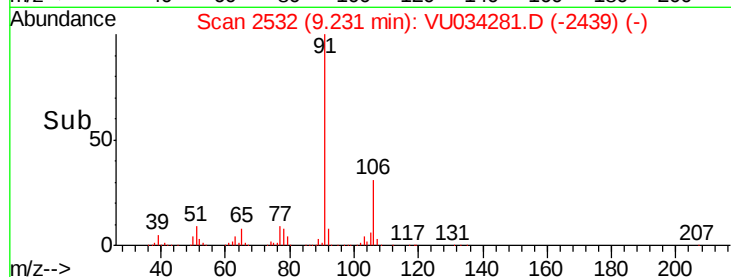
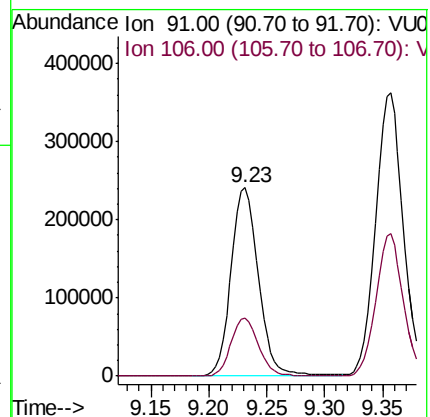
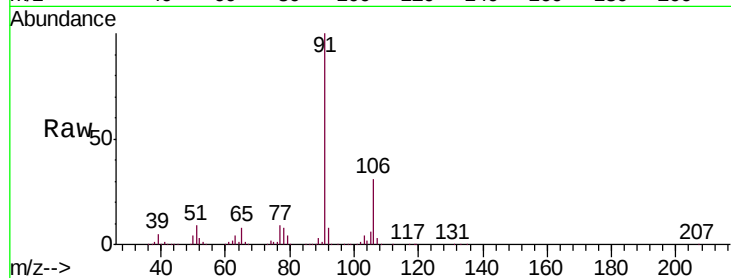
VU0906WBS01

Tgt Ion: 91 Resp: 397115

Ion Ratio Lower Upper

91 100

106 31.0 24.8 37.2



#68

m/p-Xylenes

Concen: 41.042 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034281.D

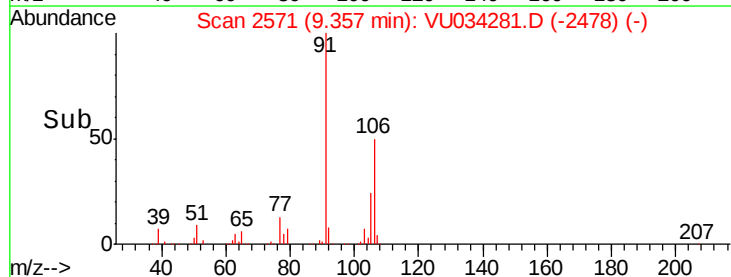
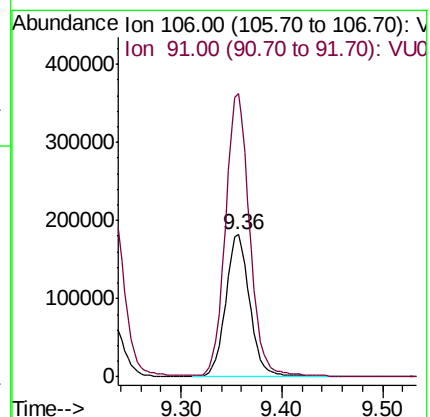
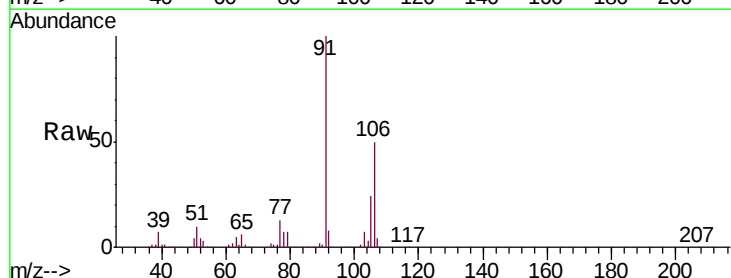
Acq: 05 Sep 2019 14:12

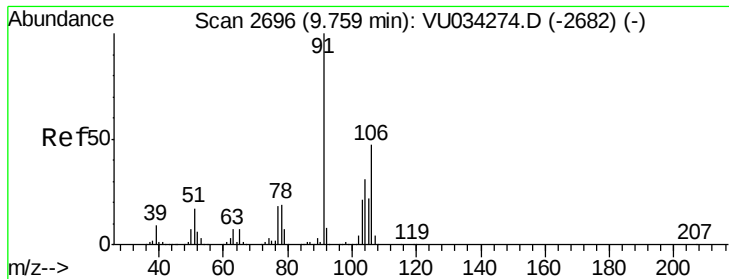
Tgt Ion: 106 Resp: 303963

Ion Ratio Lower Upper

106 100

91 201.5 160.1 240.1

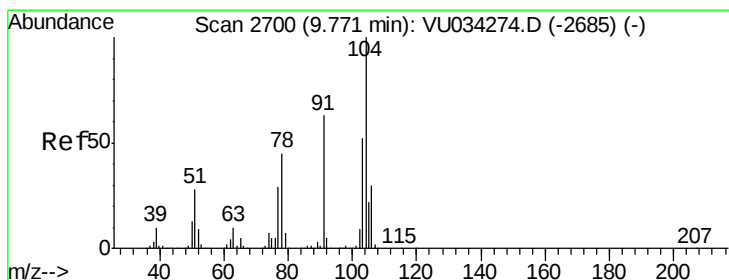
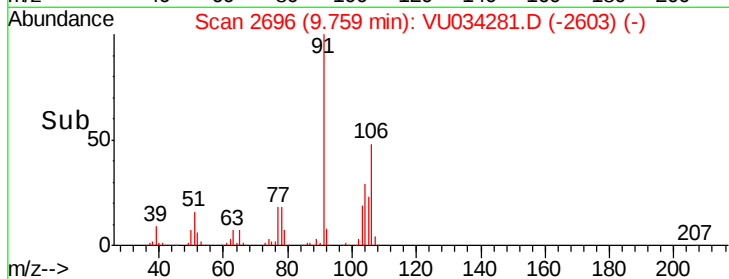
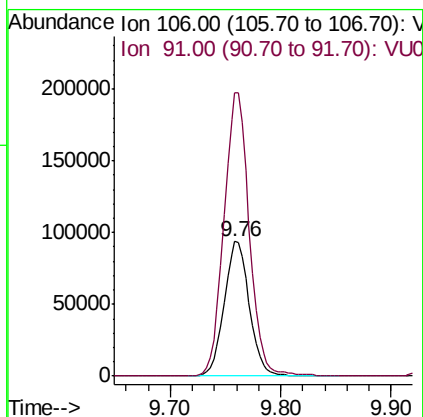
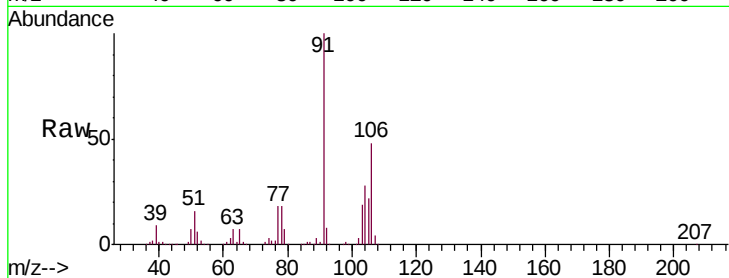




#69
o-Xylene
Concen: 20.586 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

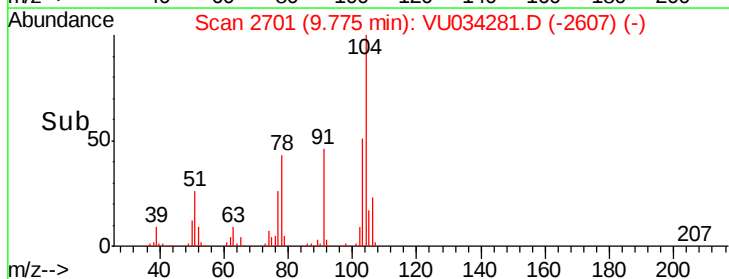
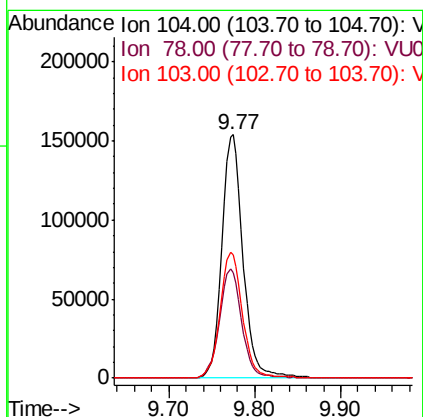
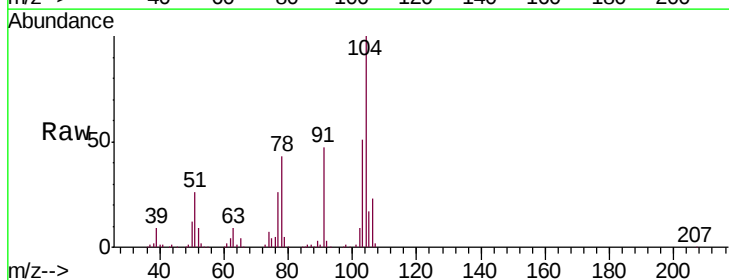
Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

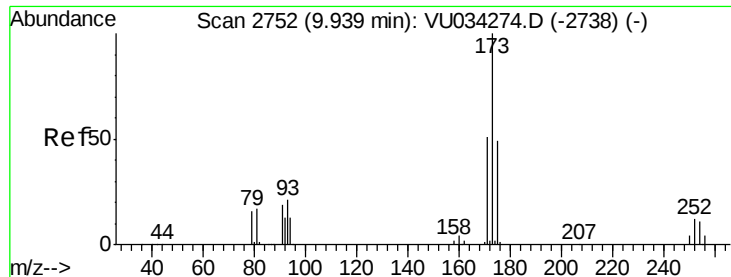
Tgt Ion:106 Resp: 149104
Ion Ratio Lower Upper
106 100
91 211.8 105.1 315.3



#70
Styrene
Concen: 20.773 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion:104 Resp: 263785
Ion Ratio Lower Upper
104 100
78 47.2 38.6 57.8
103 54.9 44.2 66.4





#71

Bromoform

Concen: 19.193 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

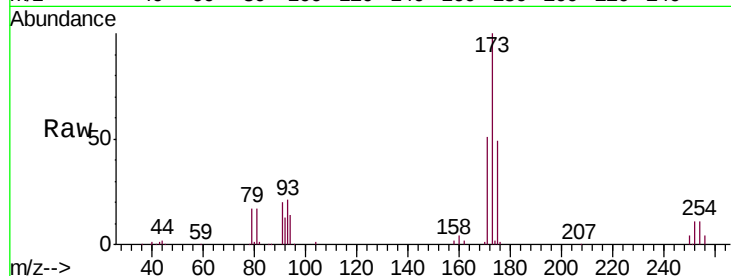
Tgt Ion:173 Resp: 76358

Ion Ratio Lower Upper

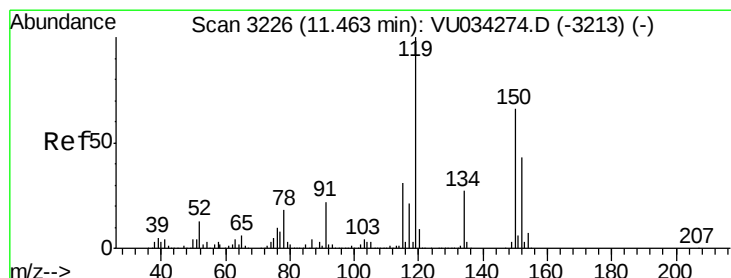
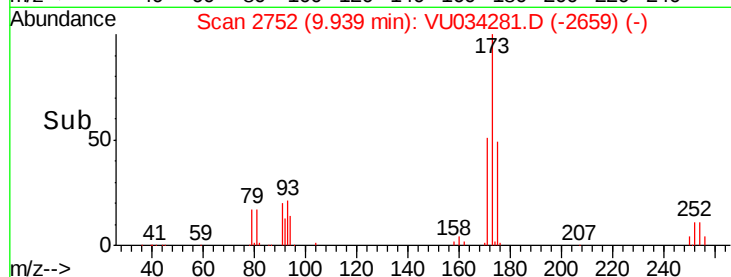
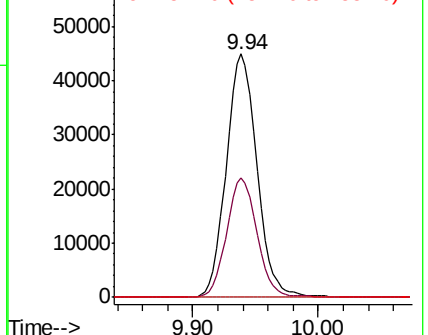
173 100

175 48.1 24.4 73.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

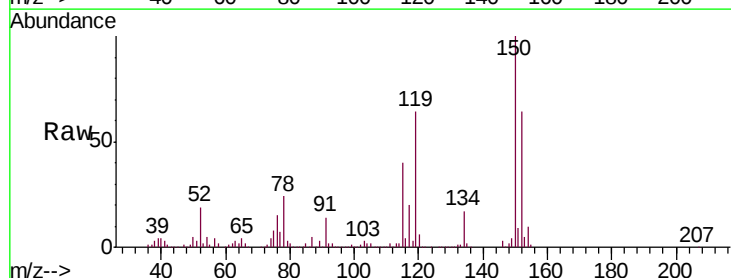
Tgt Ion:152 Resp: 311153

Ion Ratio Lower Upper

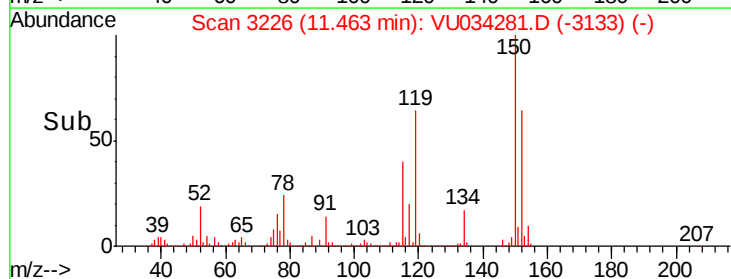
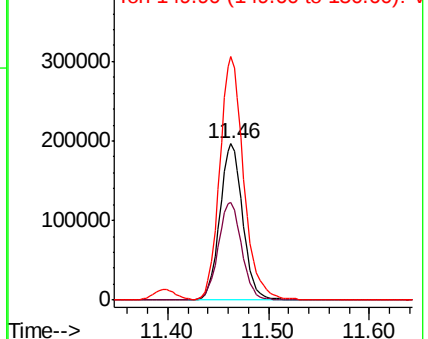
152 100

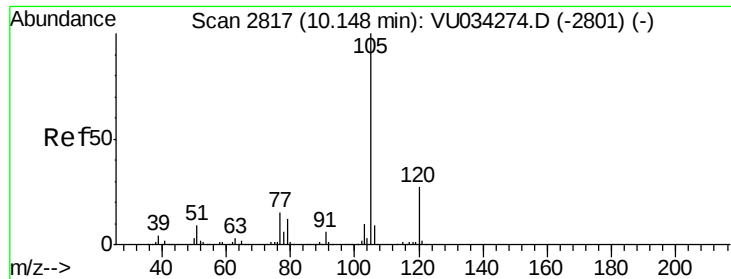
115 64.4 39.1 117.3

150 161.6 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.206 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

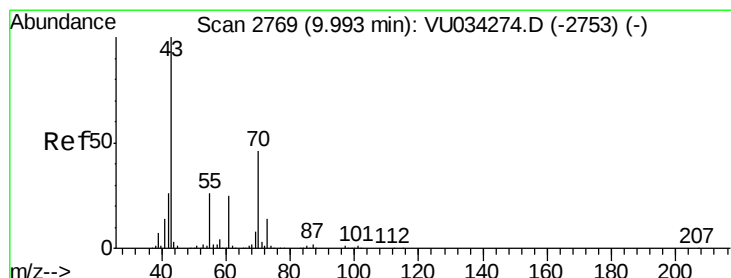
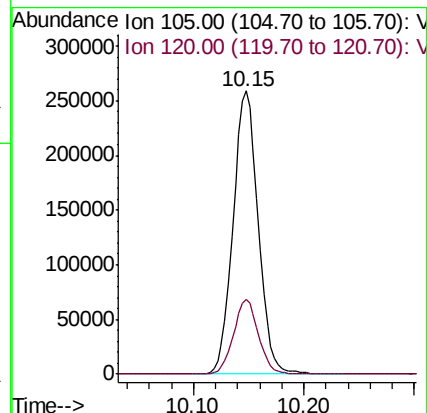
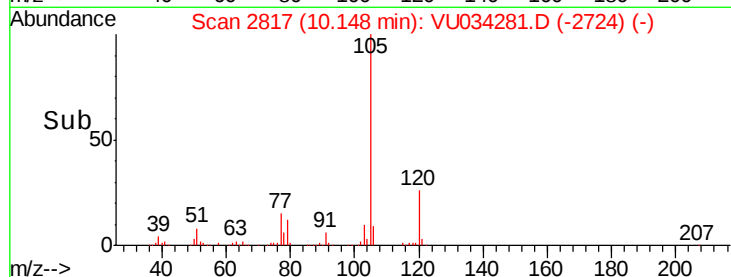
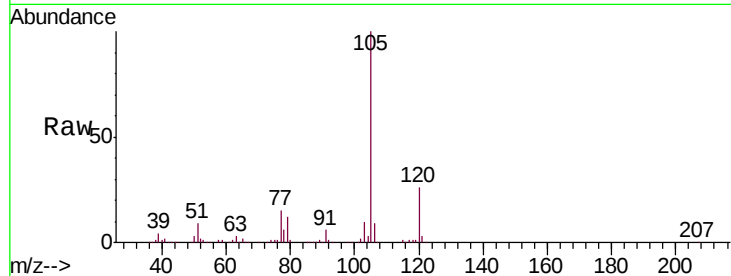
VU0906WBS01

Tgt Ion: 105 Resp: 409148

Ion Ratio Lower Upper

105 100

120 26.2 13.4 40.2



#74

N-ethyl acetate

Concen: 19.851 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Tgt Ion: 43 Resp: 161806

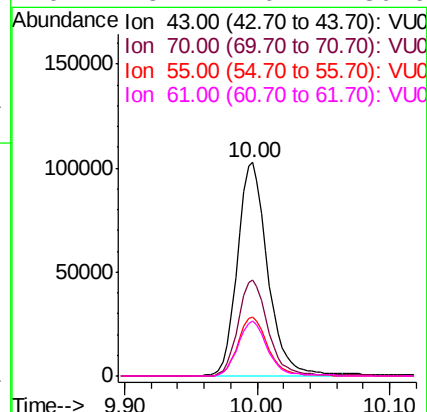
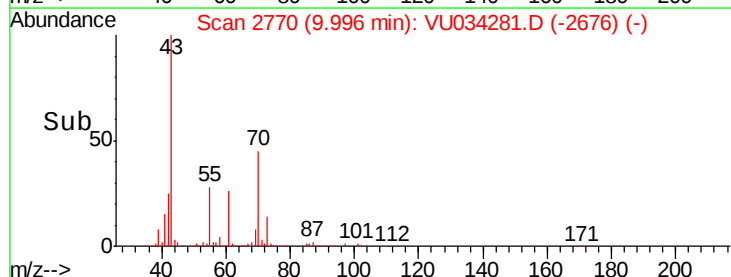
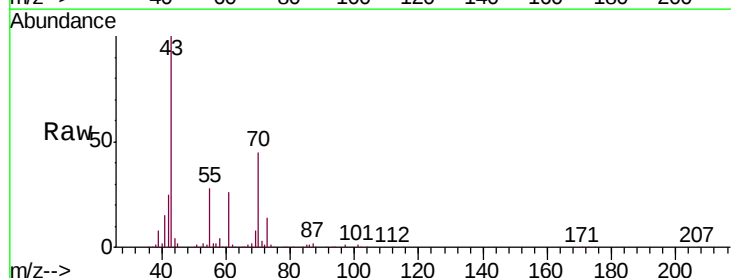
Ion Ratio Lower Upper

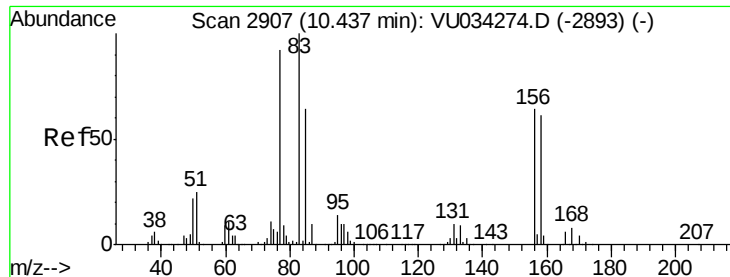
43 100

70 45.2 36.4 54.6

55 27.7 21.2 31.8

61 25.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.155 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

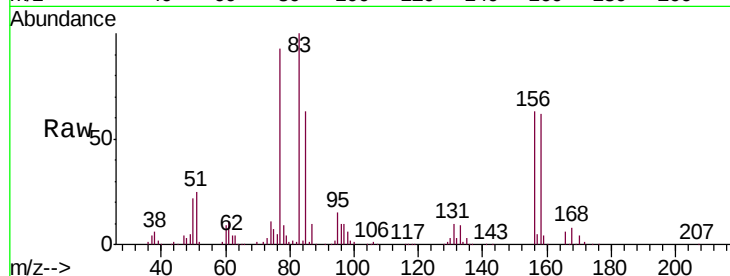
Tgt Ion: 83 Resp: 157004

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.2

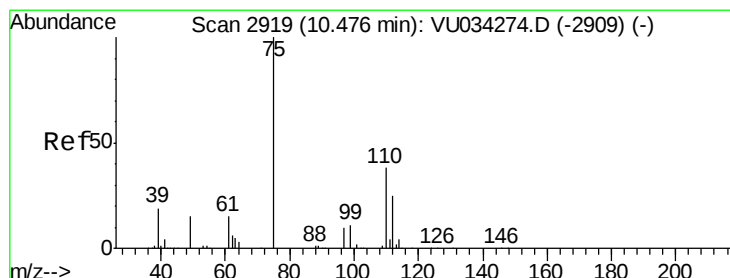
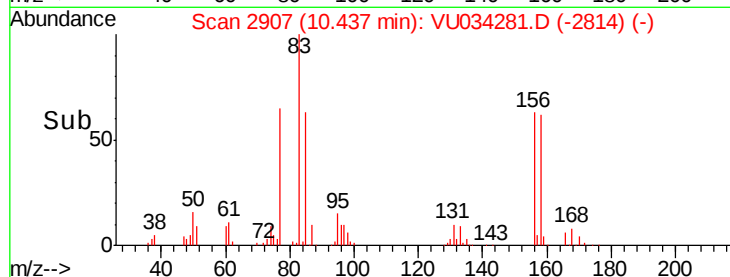
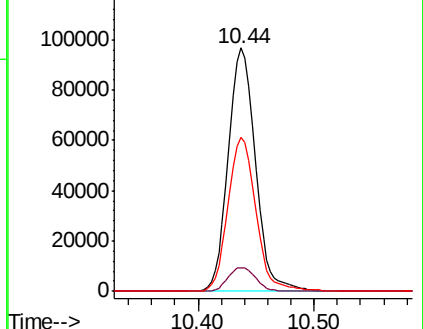
85 64.7 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU034281.D (-2814) (-)

Ion 130.80 (130.50 to 131.50): VU034281.D (-2814) (-)

Ion 84.90 (84.60 to 85.60): VU034281.D (-2814) (-)



#76

1,2,3-Trichloropropane

Concen: 24.967 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034281.D

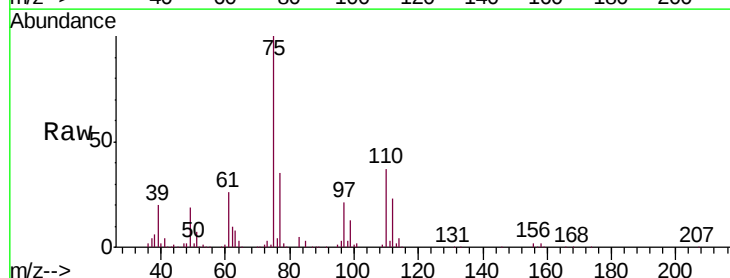
Acq: 05 Sep 2019 14:12

Tgt Ion: 75 Resp: 169577

Ion Ratio Lower Upper

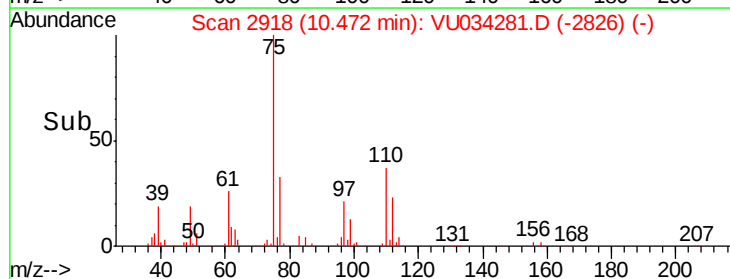
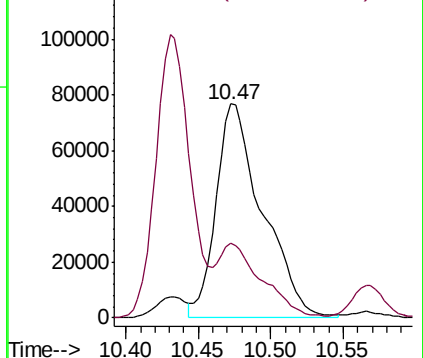
75 100

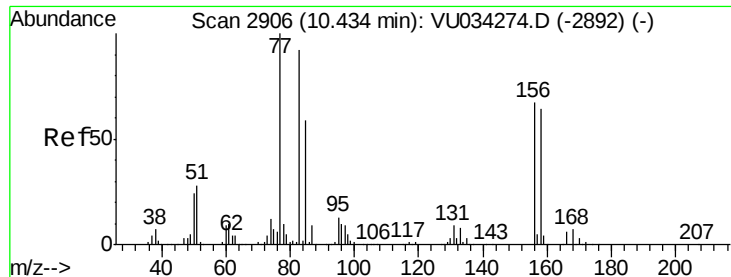
77 32.8 20.8 62.2



Abundance Ion 74.90 (74.60 to 75.60): VU034281.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034281.D (-2826) (-)





#77

Bromobenzene

Concen: 19.550 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

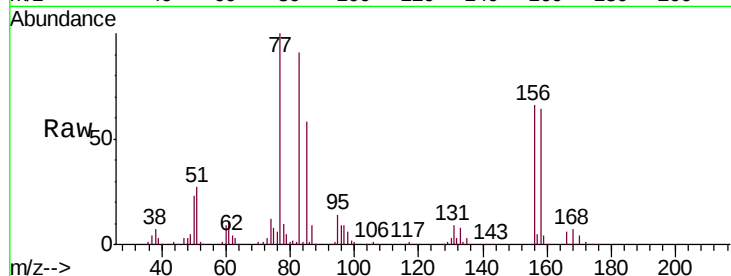
Tgt Ion:156 Resp: 110691

Ion Ratio Lower Upper

156 100

77 152.3 75.6 226.9

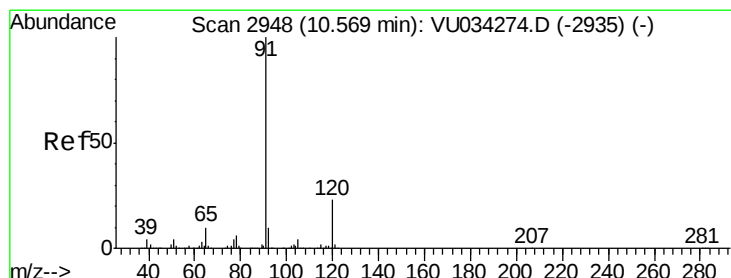
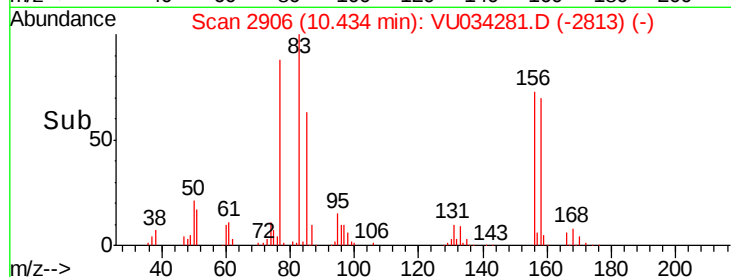
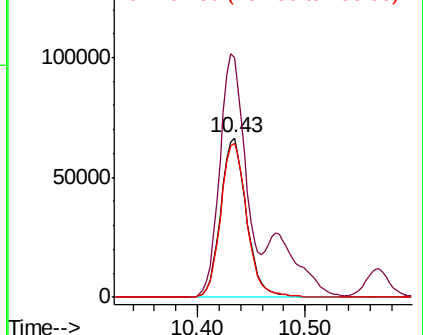
158 97.6 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.016 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU034281.D

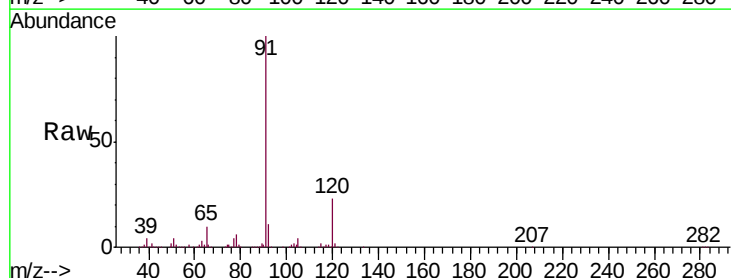
Acq: 05 Sep 2019 14:12

Tgt Ion: 91 Resp: 468090

Ion Ratio Lower Upper

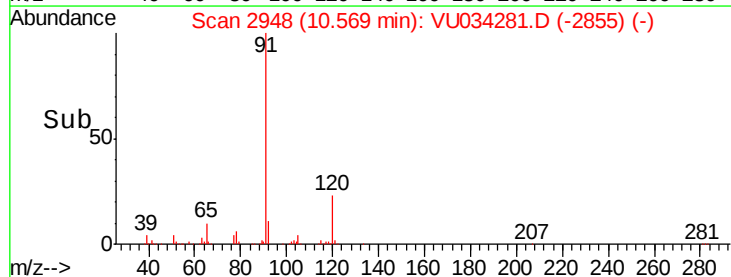
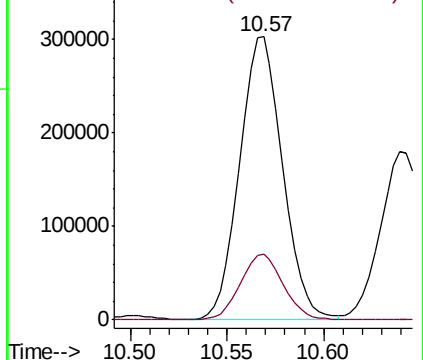
91 100

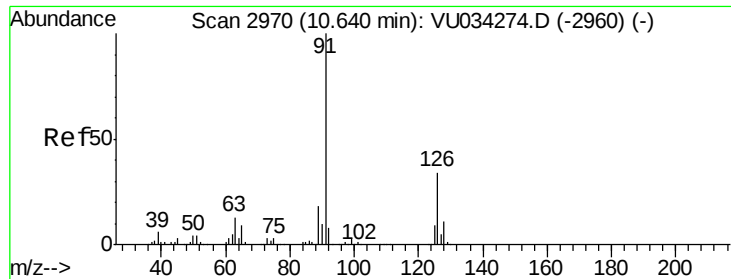
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.214 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

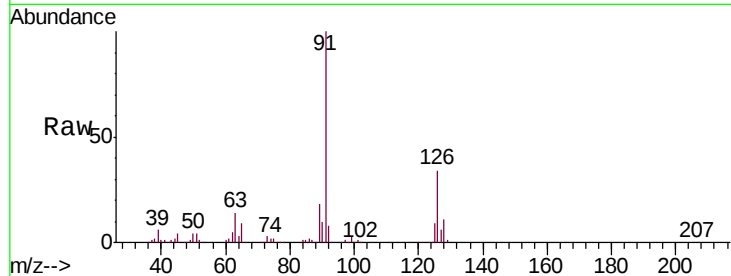
VU0906WBS01

Tgt Ion: 91 Resp: 288440

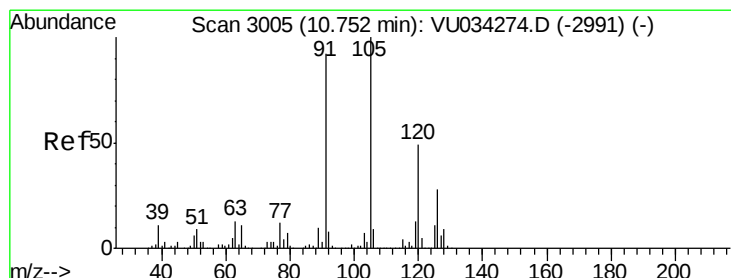
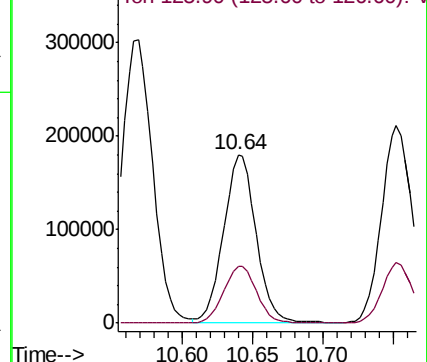
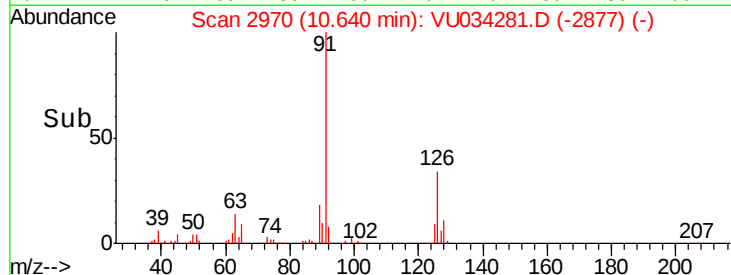
Ion Ratio Lower Upper

91 100

126 34.6 17.3 51.9



Abundance Ion 91.00 (90.70 to 91.70): VU034281.D (-2877) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.100 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034281.D

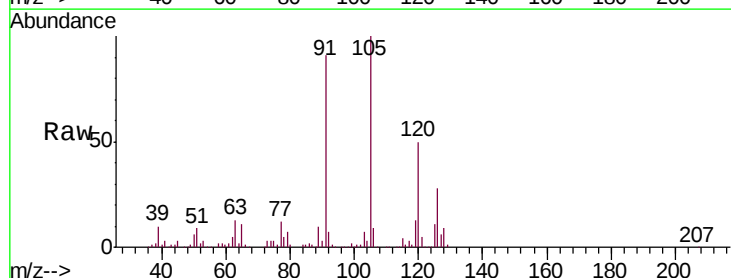
Acq: 05 Sep 2019 14:12

Tgt Ion: 105 Resp: 357331

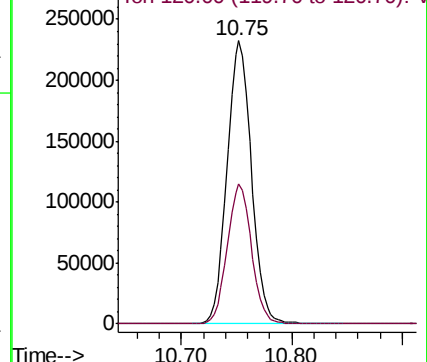
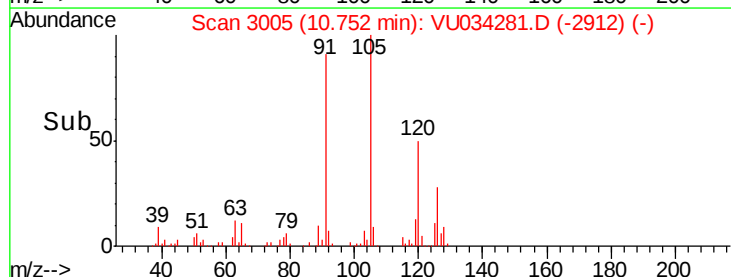
Ion Ratio Lower Upper

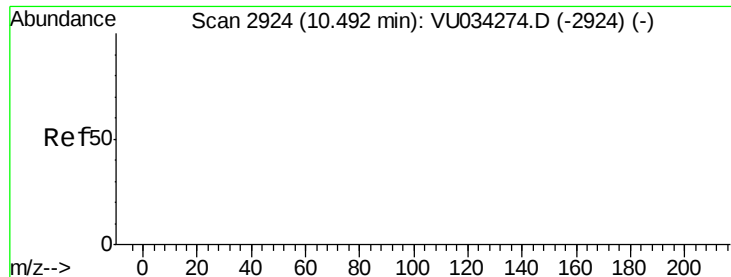
105 100

120 49.2 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034281.D (-2912) (-)

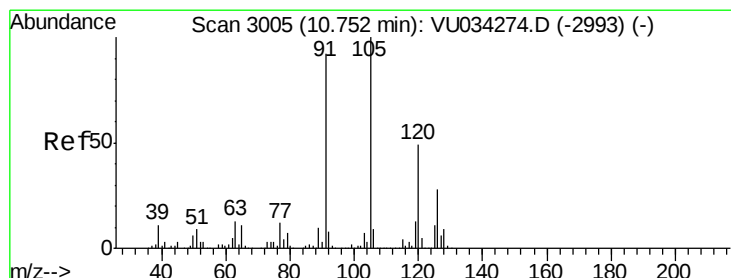
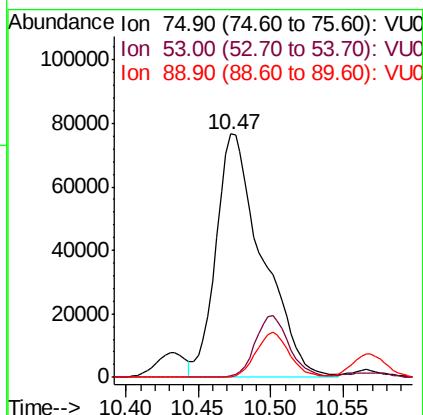
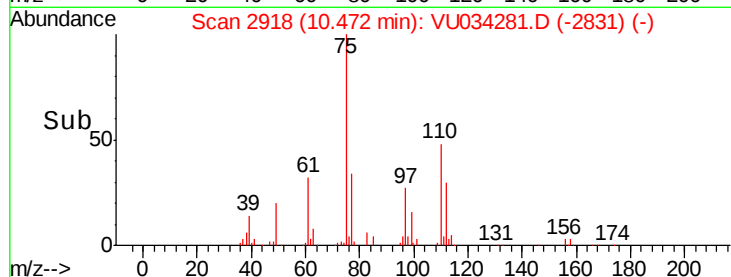
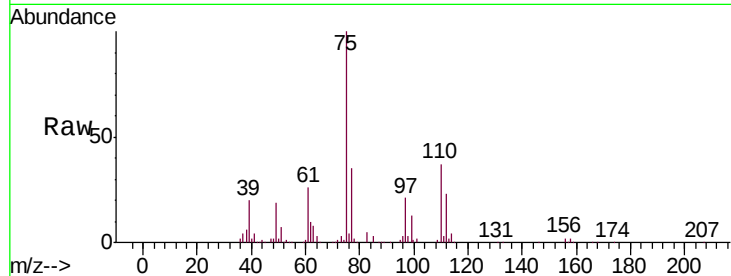




#81
trans-1,4-Dichloro-2-butene
Concen: 84.288 ug/l
RT: 10.47 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

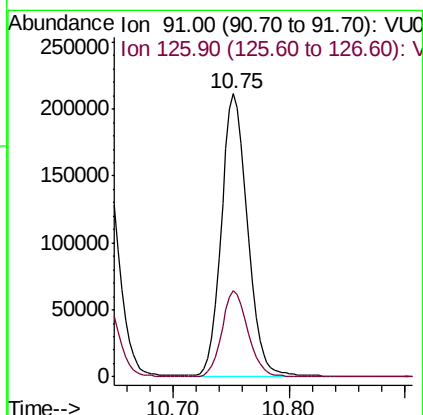
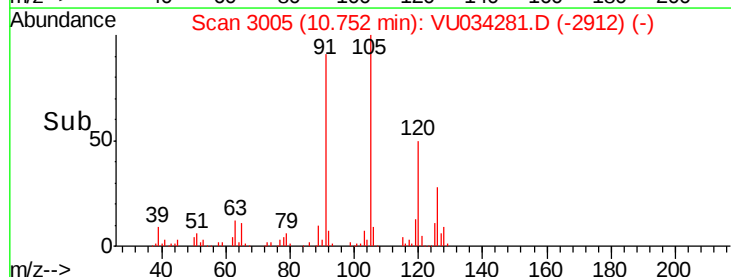
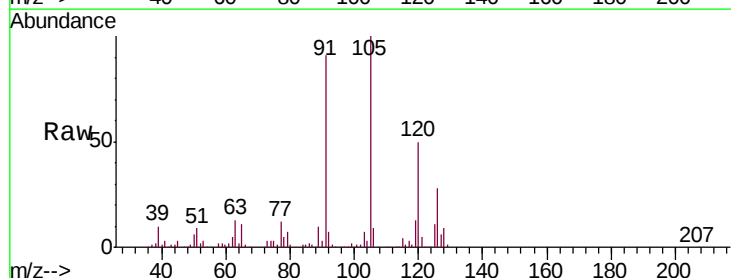
Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

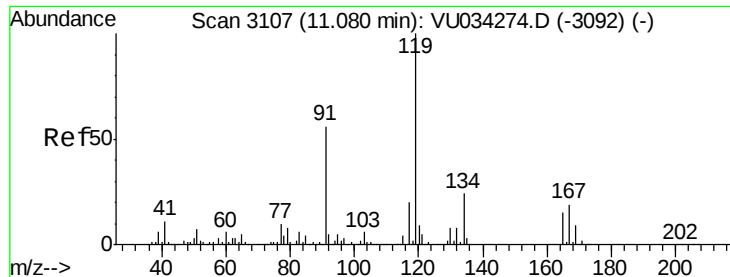
Tgt Ion: 75 Resp: 170231
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.143 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion: 91 Resp: 330762
Ion Ratio Lower Upper
91 100
126 30.8 15.3 45.8

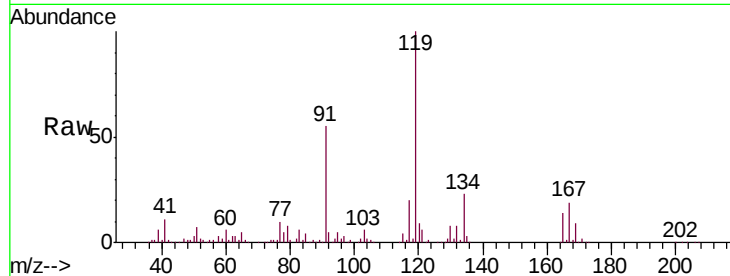




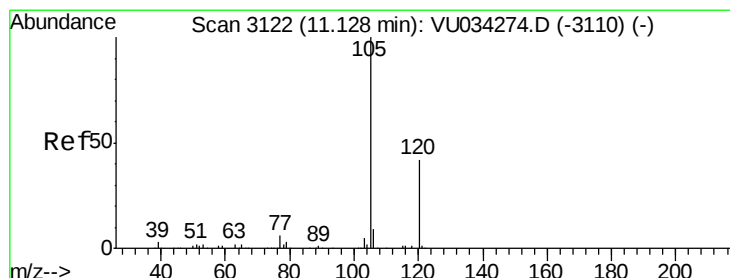
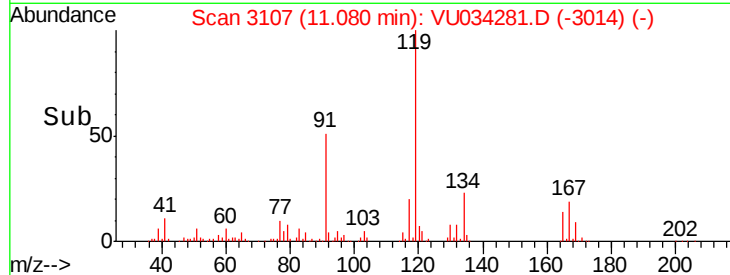
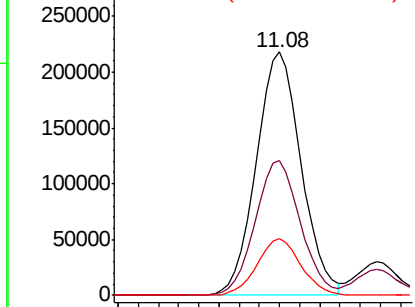
#83
 tert-Butylbenzene
 Concen: 19.977 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tgt Ion:119 Resp: 338438
 Ion Ratio Lower Upper
 119 100
 91 55.7 27.8 83.4
 134 22.9 11.7 35.0

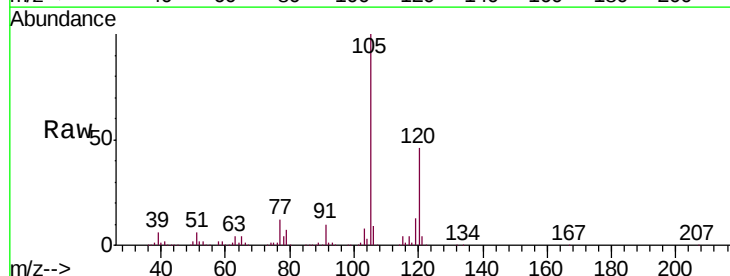


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

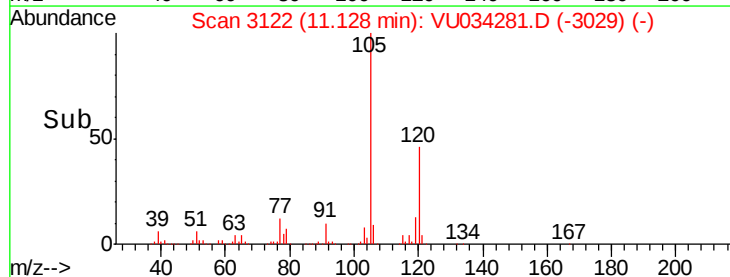
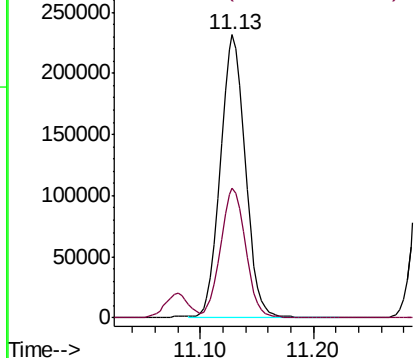


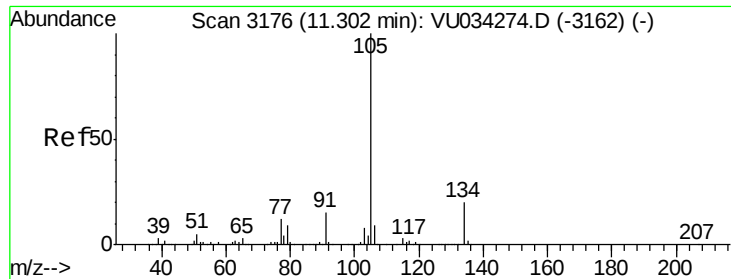
#84
 1,2,4-Trimethylbenzene
 Concen: 20.780 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion:105 Resp: 354238
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

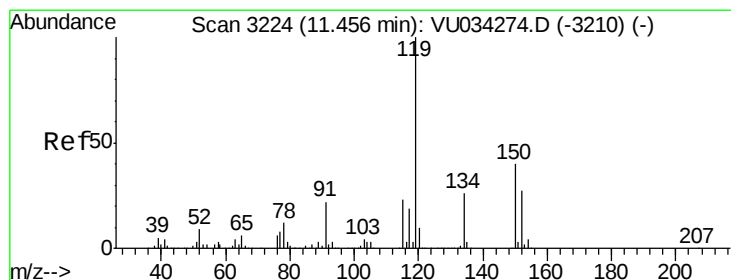
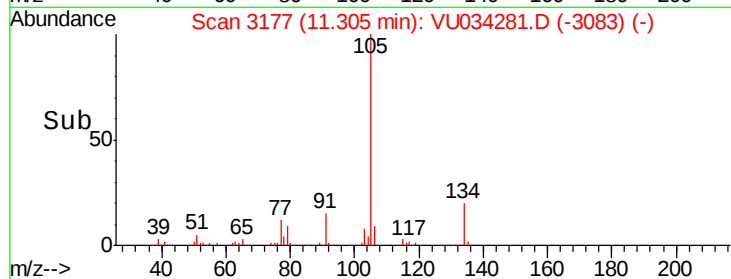
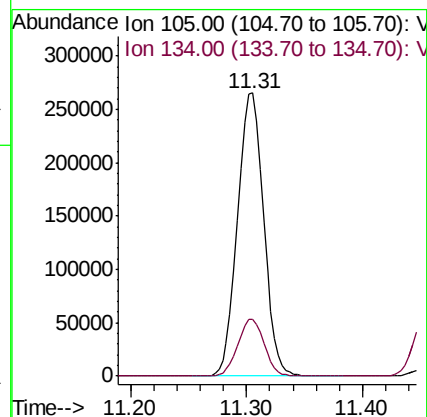
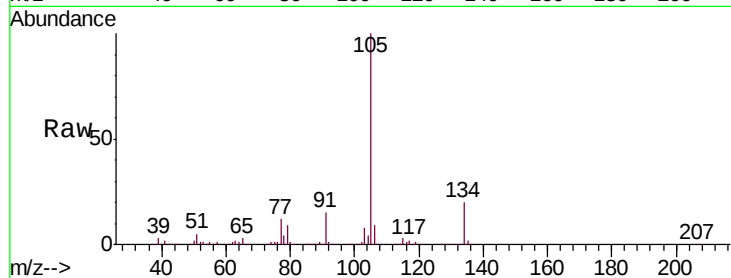




#85
 sec-Butylbenzene
 Concen: 20.579 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

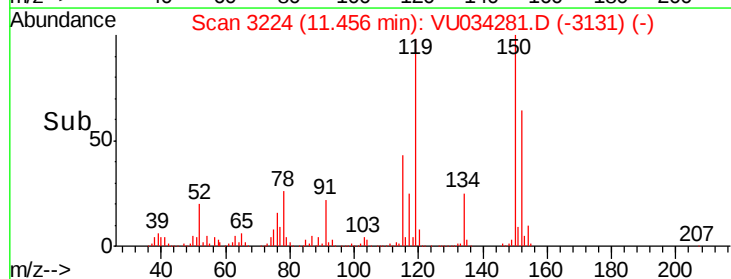
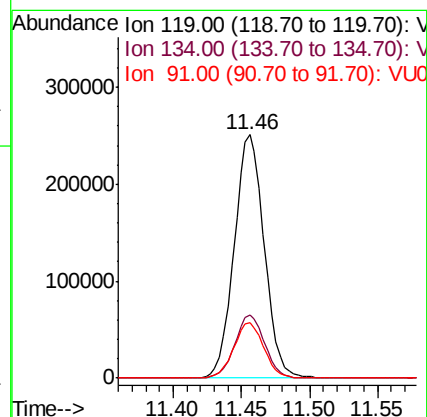
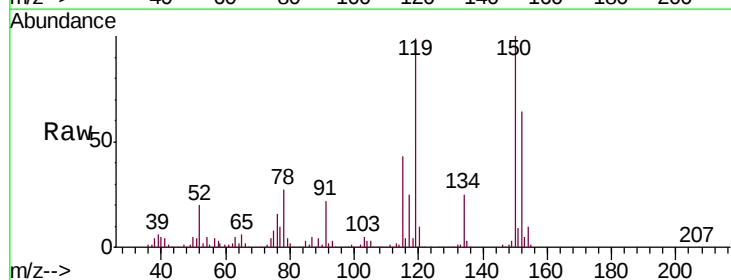
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

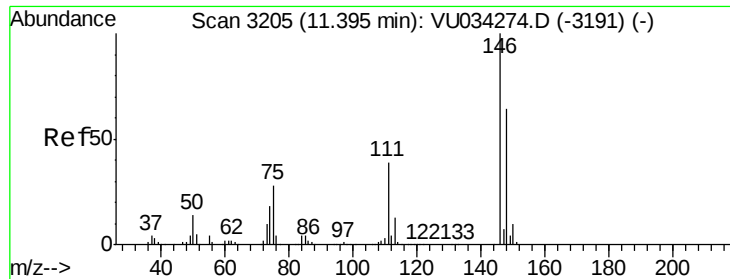
Tgt Ion:105 Resp: 411605
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 20.623 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion:119 Resp: 380700
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.8
 91 22.7 11.2 33.6

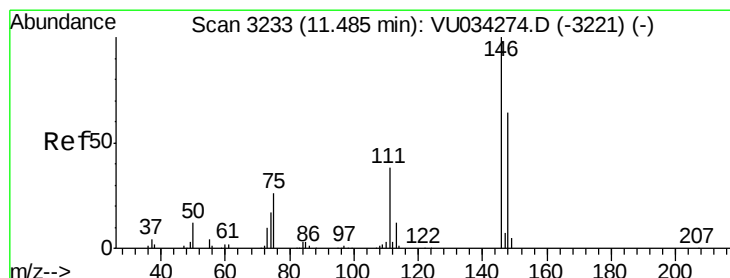
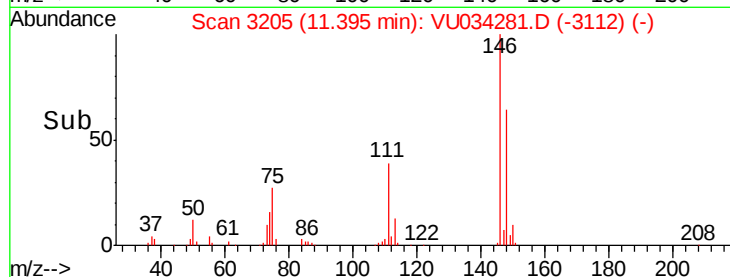
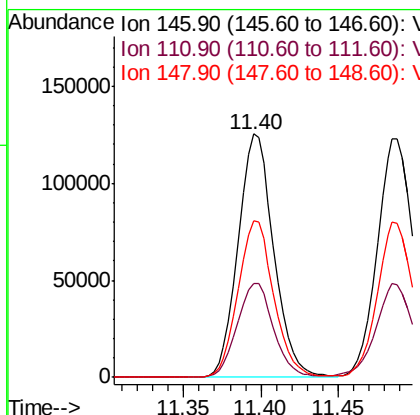
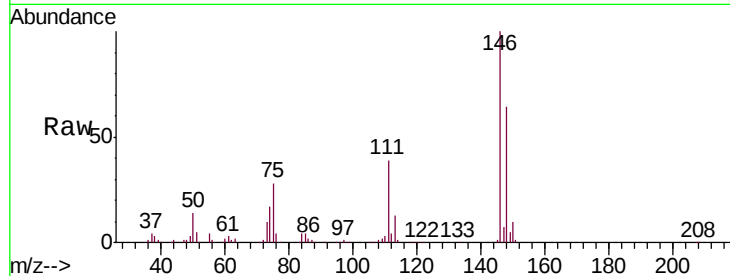




#87
 1,3-Dichlorobenzene
 Concen: 19.432 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

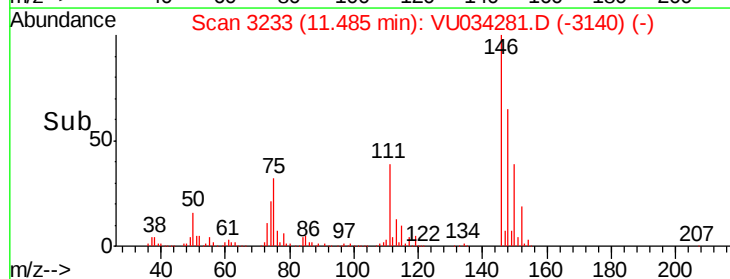
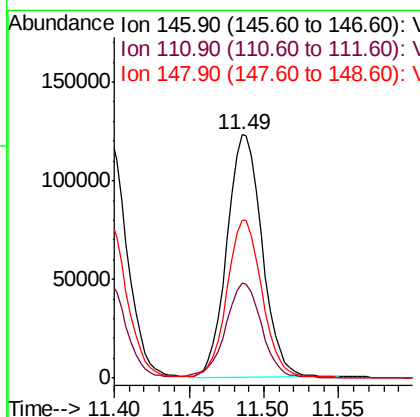
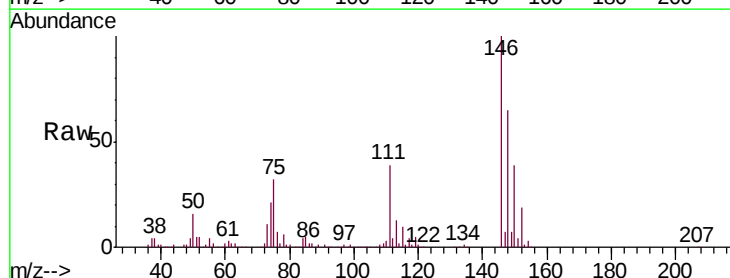
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

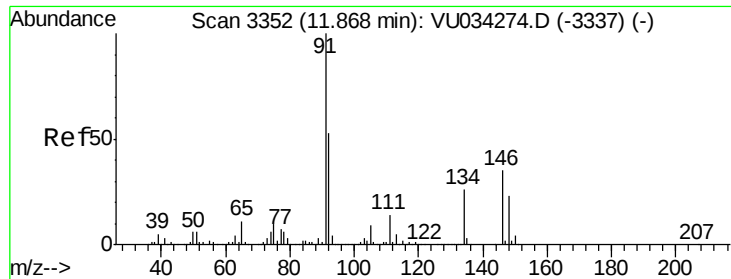
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	64.6	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 18.685 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.1	57.3
148	64.8	32.0	96.0





#89

n-Butylbenzene

Concen: 20.151 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

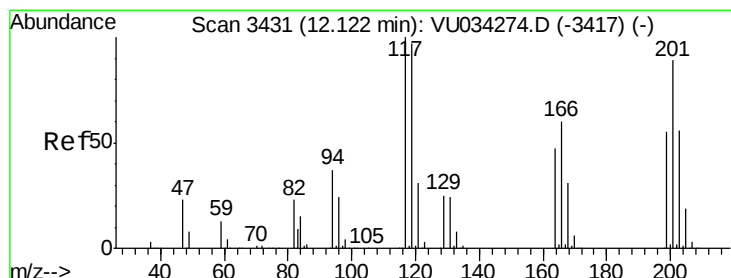
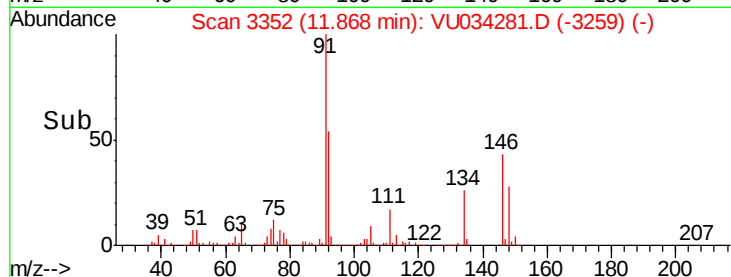
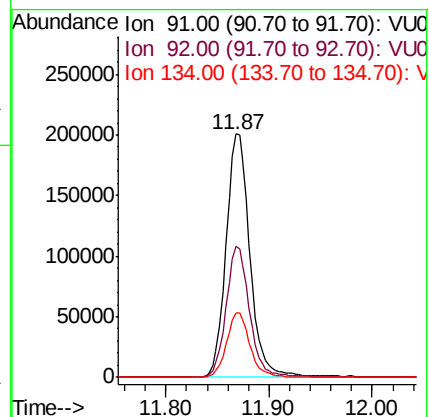
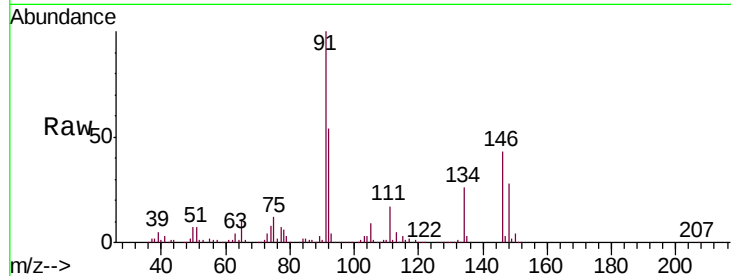
Tgt Ion: 91 Resp: 323266

Ion Ratio Lower Upper

91 100

92 52.9 26.5 79.4

134 26.1 13.2 39.6



#90

Hexachloroethane

Concen: 18.271 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. -0.00 min

Lab File: VU034281.D

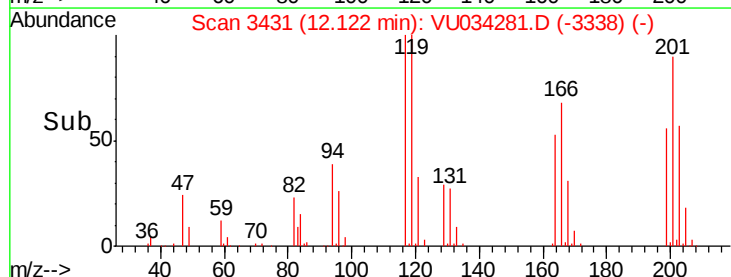
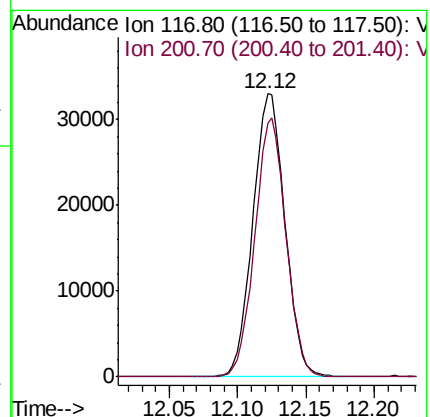
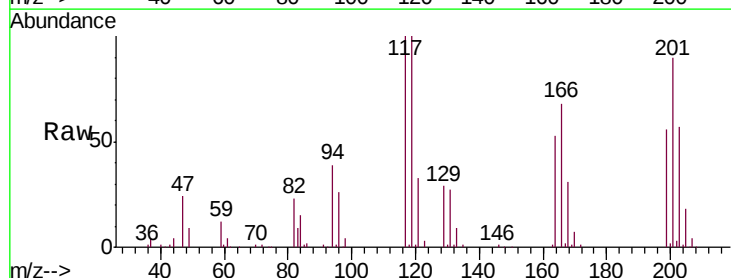
Acq: 05 Sep 2019 14:12

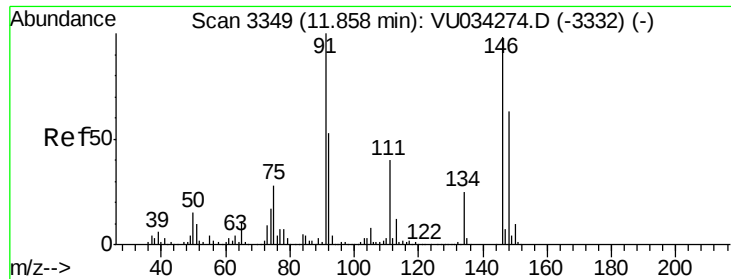
Tgt Ion: 117 Resp: 53961

Ion Ratio Lower Upper

117 100

201 88.6 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 19.659 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

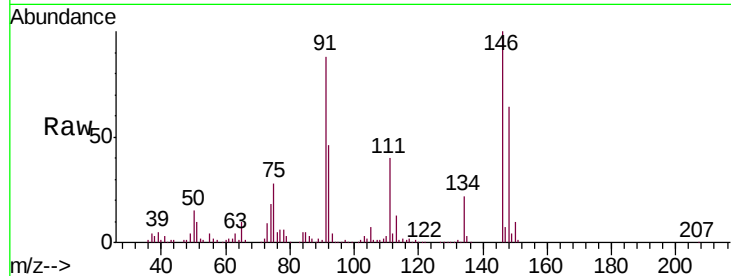
Tgt Ion:146 Resp: 199615

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

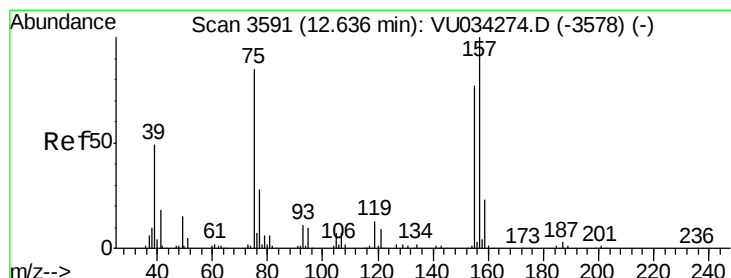
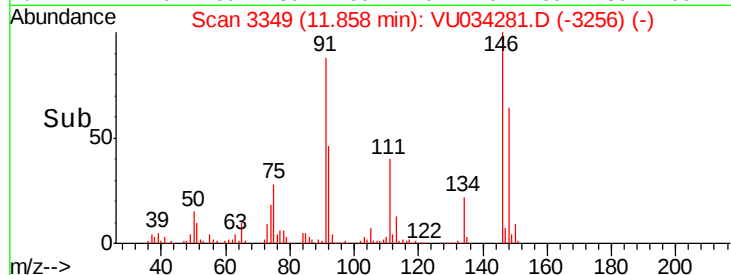
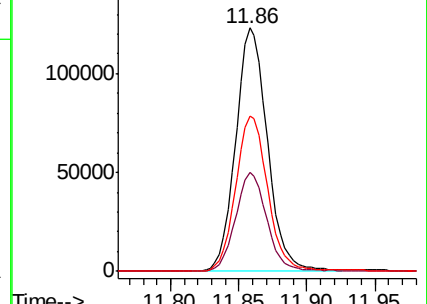
148 64.0 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.794 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

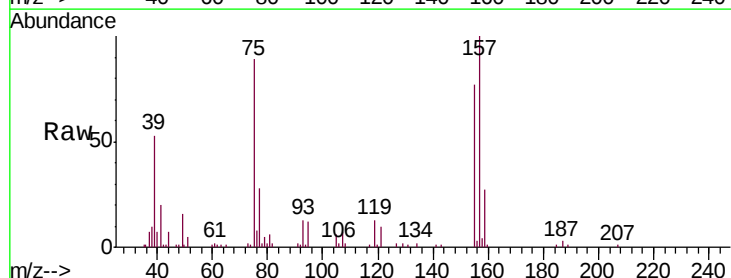
Tgt Ion: 75 Resp: 29812

Ion Ratio Lower Upper

75 100

155 89.5 44.6 134.0

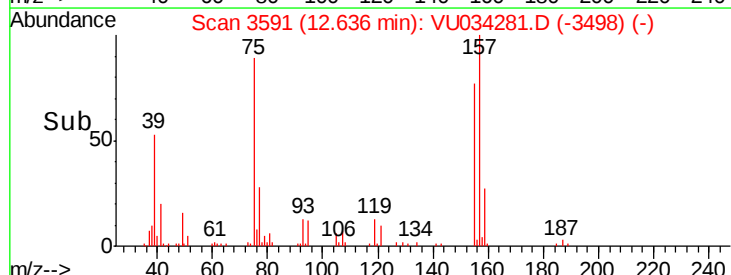
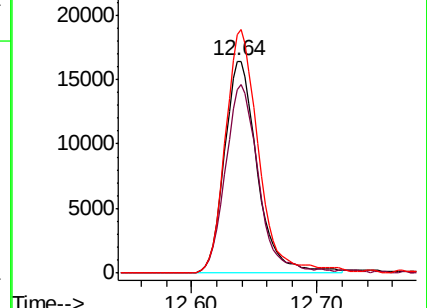
157 114.8 58.2 174.6

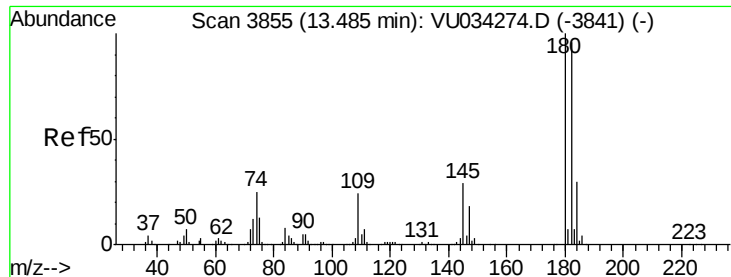


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

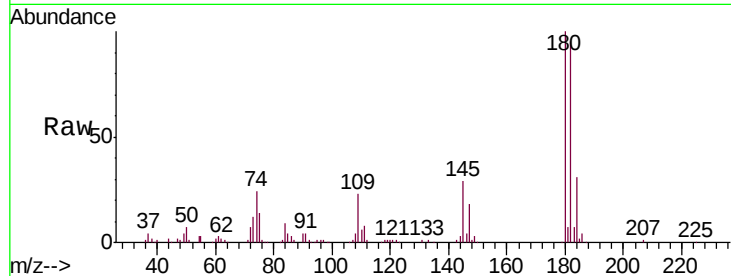




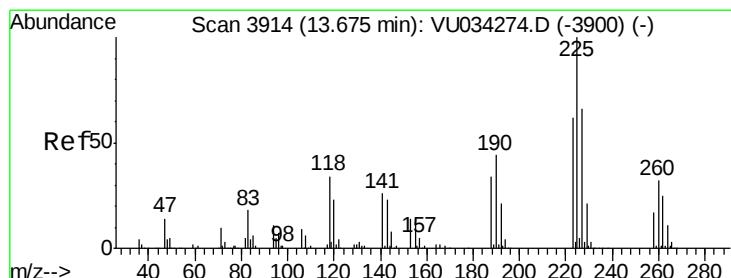
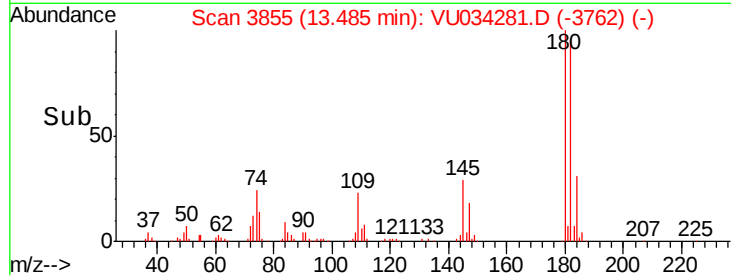
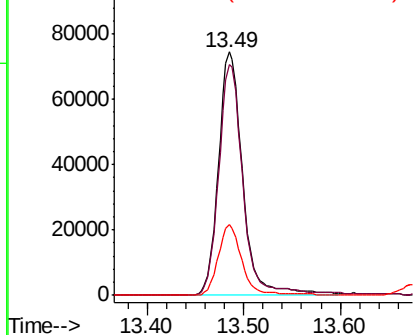
#93
 1,2,4-Trichlorobenzene
 Concen: 19.890 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tgt Ion:180 Resp: 130032
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.8
 145 27.9 14.4 43.0

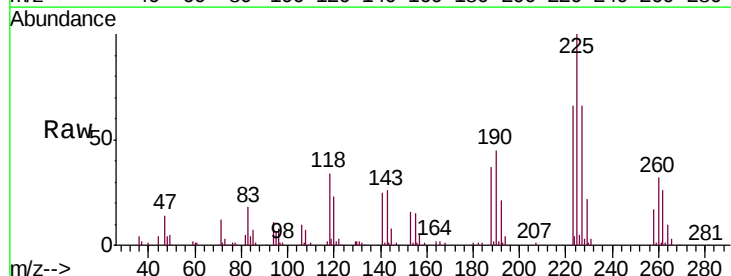


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

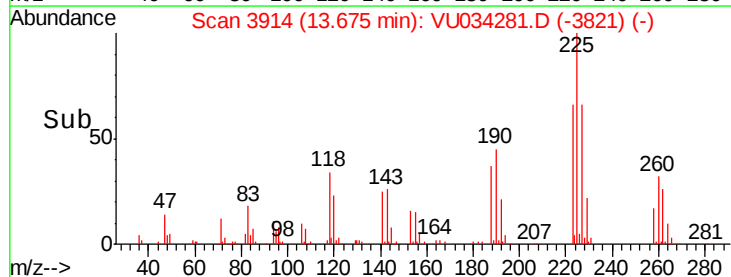
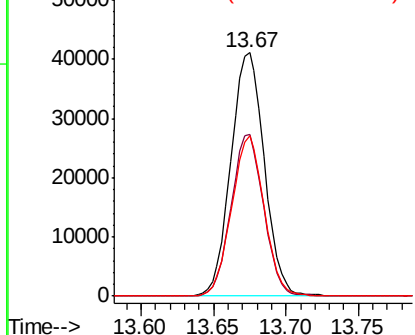


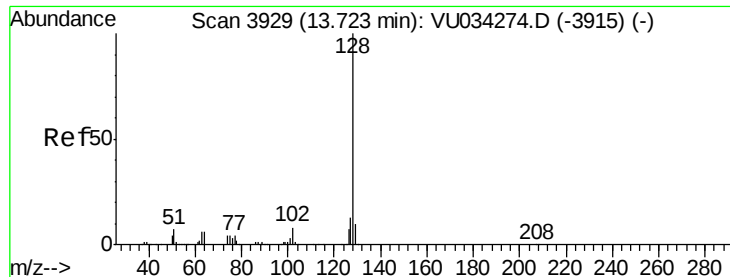
#94
 Hexachlorobutadiene
 Concen: 18.578 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion:225 Resp: 65986
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.6 94.7
 227 63.8 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

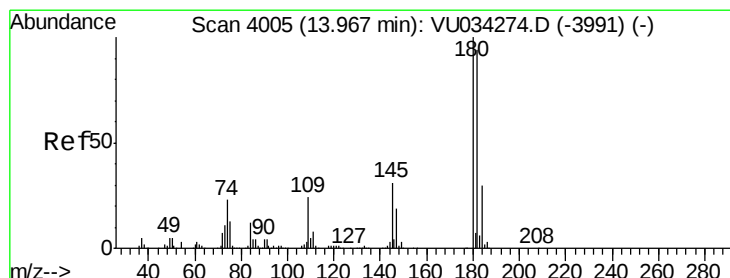
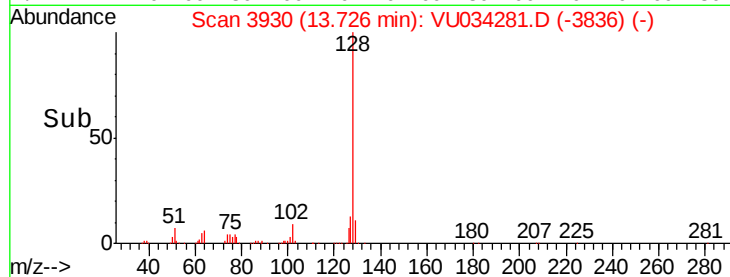
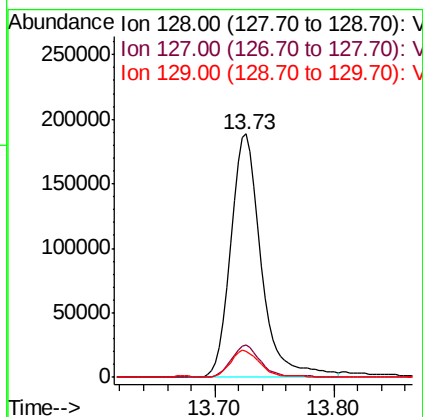
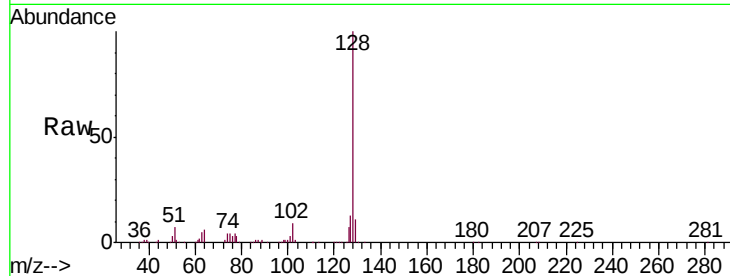




#95
Naphthalene
Concen: 18.831 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tgt Ion:128 Resp: 334828
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.121 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion:180 Resp: 131279
Ion Ratio Lower Upper
180 100
182 94.3 48.4 145.0
145 29.6 15.4 46.4

