

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083019\
 Data File : VU034066.D
 Acq On : 29 Aug 2019 16:50
 Operator : JC/SP
 Sample : VU08730WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Quant Time: Aug 30 04:47:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	424745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	681868	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	653943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350657	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	261081	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
35) Dibromofluoromethane	4.86	113	218063	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
50) Toluene-d8	7.55	98	844278	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	10.29	95	308335	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	86252	20.191	ug/l	100
3) Chloromethane	1.32	50	107336	17.454	ug/l	99
4) Vinyl Chloride	1.40	62	111720	19.650	ug/l	98
5) Bromomethane	1.62	94	55173	16.238	ug/l	96
6) Chloroethane	1.69	64	69079	19.874	ug/l	99
7) Trichlorofluoromethane	1.88	101	130726	19.844	ug/l	98
8) Diethyl Ether	2.09	74	56513	20.053	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	82324	19.726	ug/l	100
10) Methyl Iodide	2.40	142	55583	9.389	ug/l	99
11) Tert butyl alcohol	2.80	59	106242	84.651	ug/l	99
12) 1,1-Dichloroethene	2.27	96	83881	19.727	ug/l	98
13) Acrolein	2.18	56	41099	77.844	ug/l	98
14) Allyl chloride	2.58	41	138548	17.330	ug/l	93
15) Acrylonitrile	2.92	53	282105	97.955	ug/l	99
16) Acetone	2.31	43	240727	86.687	ug/l	99
17) Carbon Disulfide	2.47	76	253295	18.822	ug/l	99
18) Methyl Acetate	2.60	43	135544	18.888	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	279302	20.047	ug/l	99
20) Methylene Chloride	2.68	84	101197	19.250	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	91481	19.823	ug/l	99
22) Diisopropyl ether	3.55	45	300148	20.488	ug/l	94
23) Vinyl Acetate	3.50	43	1247801	99.154	ug/l	99
24) 1,1-Dichloroethane	3.43	63	176574	20.416	ug/l	99
25) 2-Butanone	4.24	43	366452	94.850	ug/l	100
26) 2,2-Dichloropropane	4.20	77	125788	17.874	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	101420	19.580	ug/l	99
28) Bromochloromethane	4.52	49	81630	19.157	ug/l	98
29) Tetrahydrofuran	4.61	42	240123	100.781	ug/l	99
30) Chloroform	4.65	83	170658	19.776	ug/l	99
31) Cyclohexane	4.97	56	155841	19.176	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	140342	19.857	ug/l	98
36) 1,1-Dichloropropene	5.12	75	123878	19.207	ug/l	99
37) Ethyl Acetate	4.36	43	134518	18.625	ug/l	99
38) Carbon Tetrachloride	5.11	117	119956	19.268	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	140913	18.537	ug/l	97
40) Benzene	5.37	78	384526	19.706	ug/l	98
41) Methacrylonitrile	4.52	41	72655	19.615	ug/l	99
42) 1,2-Dichloroethane	5.38	62	131781	19.557	ug/l	98
43) Isopropyl Acetate	5.53	43	203751	18.543	ug/l	100
44) Trichloroethene	6.17	130	99780	19.472	ug/l	99
45) 1,2-Dichloropropane	6.41	63	105763	19.689	ug/l	100
46) Dibromomethane	6.54	93	68756	19.868	ug/l	98
47) Bromodichloromethane	6.74	83	129479	19.123	ug/l	99
48) Methyl methacrylate	6.60	41	97999	18.483	ug/l	100
49) 1,4-Dioxane	6.59	88	41622	313.303	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	710379	93.616	ug/l	99
52) Toluene	7.62	92	241077	20.055	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	136016	18.104	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	154627	18.839	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	94378	18.561	ug/l	95
56) Ethyl methacrylate	8.00	69	138637	17.090	ug/l	99
57) 1,3-Dichloropropane	8.22	76	165489	19.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	256519	91.191	ug/l	100
59) 2-Hexanone	8.34	43	535932	93.556	ug/l	98
60) Dibromochloromethane	8.46	129	102248	18.733	ug/l	98
61) 1,2-Dibromoethane	8.57	107	101143	18.883	ug/l	99
64) Tetrachloroethene	8.21	164	88270	20.099	ug/l	99
65) Chlorobenzene	9.10	112	258548	19.212	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	92465	18.948	ug/l	98
67) Ethyl Benzene	9.23	91	437657	19.185	ug/l	100
68) m/p-Xylenes	9.36	106	334598	38.574	ug/l	99
69) o-Xylene	9.76	106	159243	19.135	ug/l	99
70) Styrene	9.77	104	276346	19.367	ug/l	99
71) Bromoform	9.94	173	75921	17.907	ug/l #	98
73) Isopropylbenzene	10.15	105	430101	18.261	ug/l	100
74) N-amyl acetate	10.00	43	175090	17.675	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	161847	17.953	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	177628	22.475	ug/l	85
77) Bromobenzene	10.43	156	114693	18.102	ug/l	99
78) n-propylbenzene	10.57	91	503318	18.349	ug/l	99
79) 2-Chlorotoluene	10.64	91	305541	18.571	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	375436	18.807	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	177628	75.680	ug/l #	100
82) 4-Chlorotoluene	10.76	91	350195	18.507	ug/l	100
83) tert-Butylbenzene	11.08	119	349486	17.784	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	371211	18.726	ug/l	99
85) sec-Butylbenzene	11.31	105	430924	18.295	ug/l	100
86) p-Isopropyltoluene	11.46	119	396274	18.602	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	209145	18.646	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	208921	18.417	ug/l	98
89) n-Butylbenzene	11.87	91	344766	18.357	ug/l	99
90) Hexachloroethane	12.13	117	58277	15.823	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	201682	18.770	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31196	17.370	ug/l	97

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Instrument :
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ClientSampleId :
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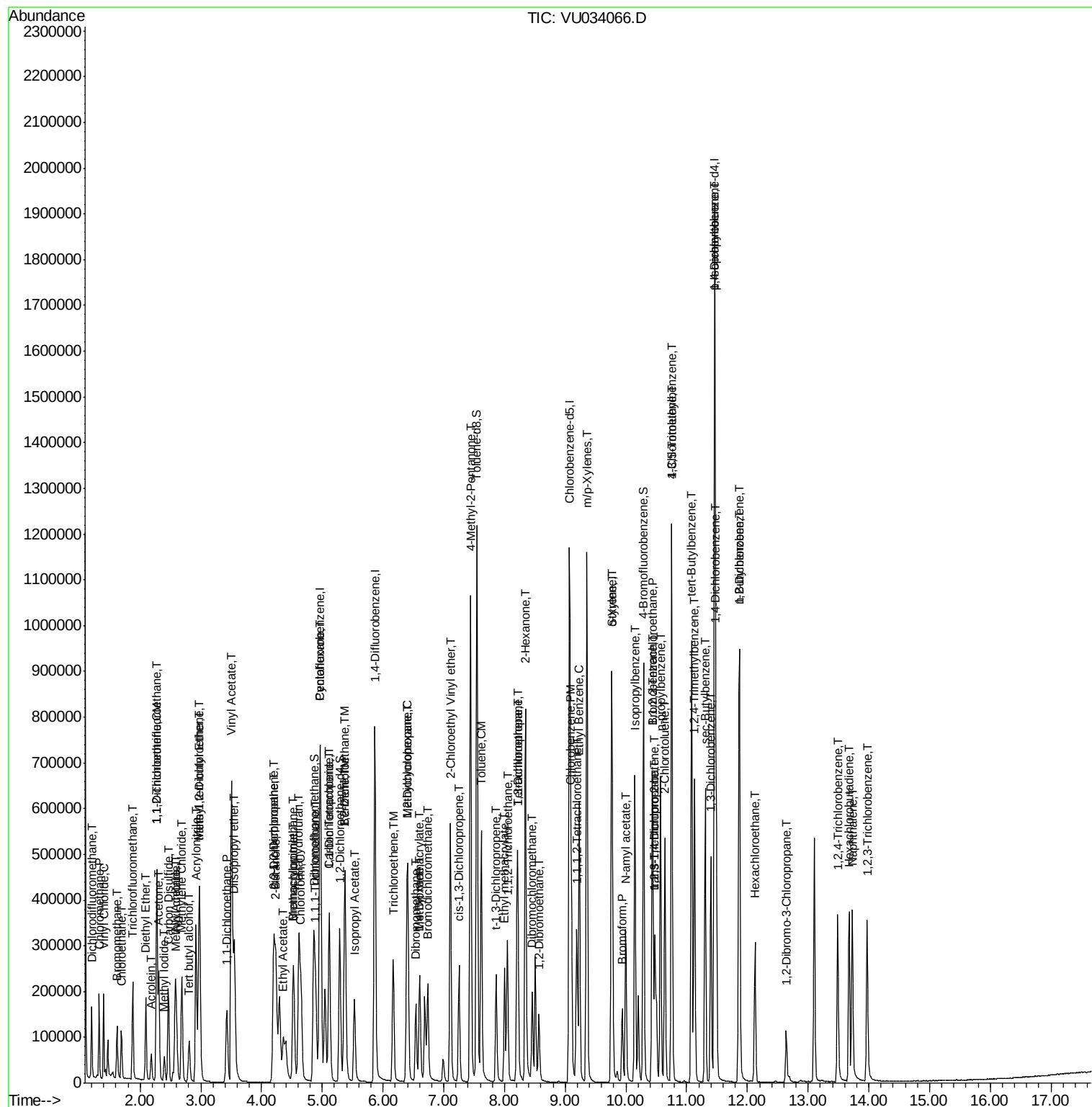
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	127943	17.481	ug/l	99
94) Hexachlorobutadiene	13.67	225	72525	17.254	ug/l	98
95) Naphthalene	13.73	128	334662	16.533	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	127415	18.511	ug/l	98

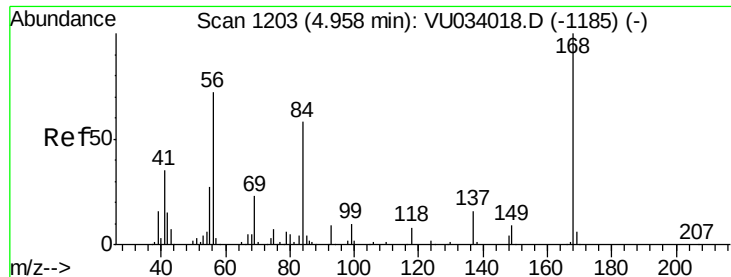
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

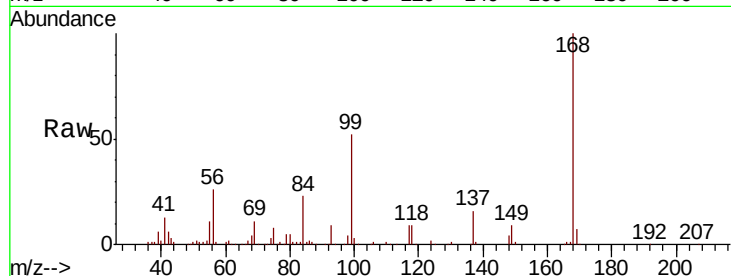
VU0830WBS01

Tgt Ion:168 Resp: 424745

Ion Ratio Lower Upper

168 100

99 51.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034066.D (-1110) (-)

4.96

200000

150000

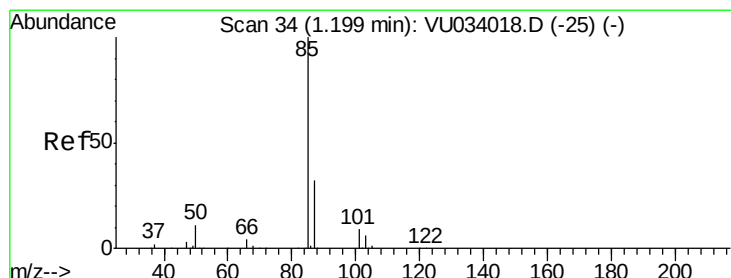
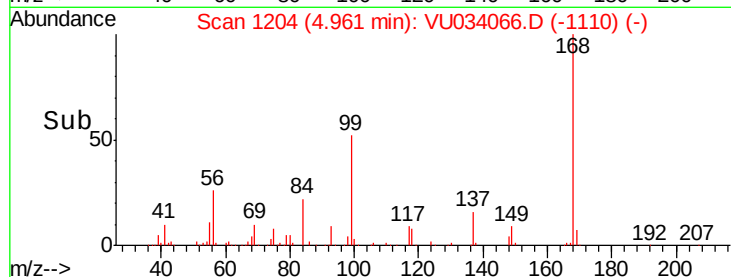
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.191 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034066.D

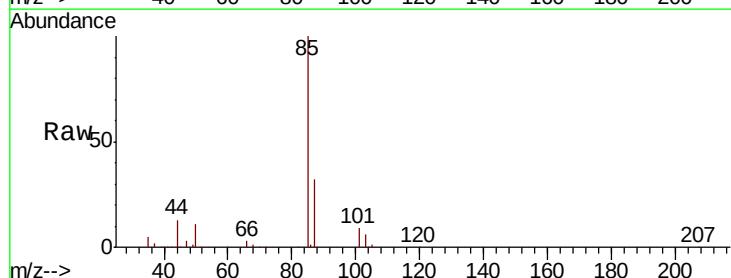
Acq: 29 Aug 2019 16:50

Tgt Ion: 85 Resp: 86252

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034066.D (-1) (-)

1.20

100000

80000

60000

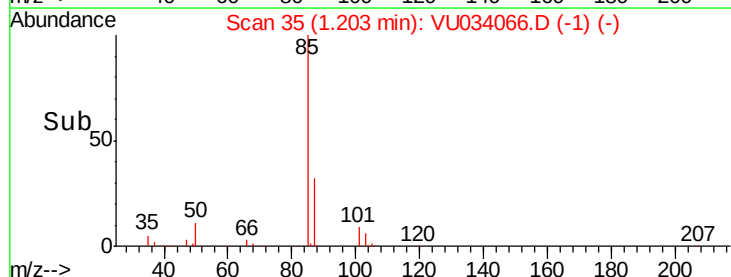
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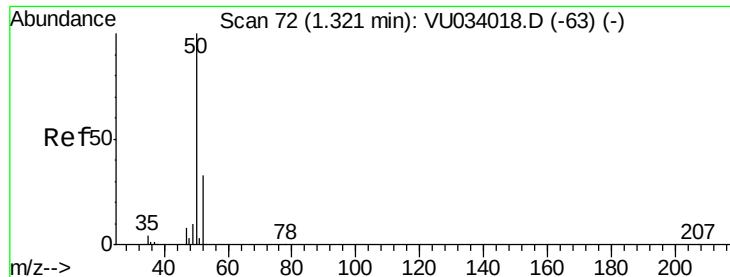
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.454 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

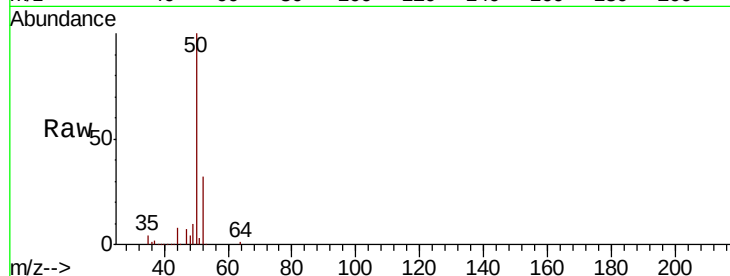
VU0830WBS01

Tgt Ion: 50 Resp: 107336

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034066.D (-1) (-)

1.32

120000

100000

80000

60000

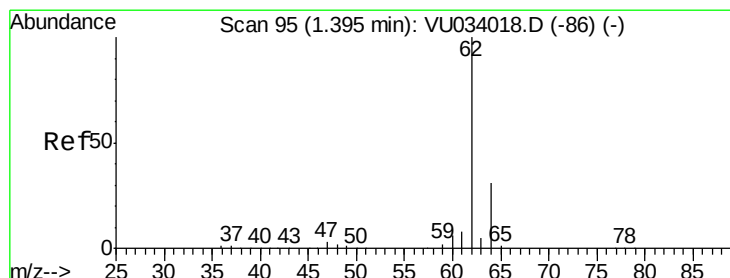
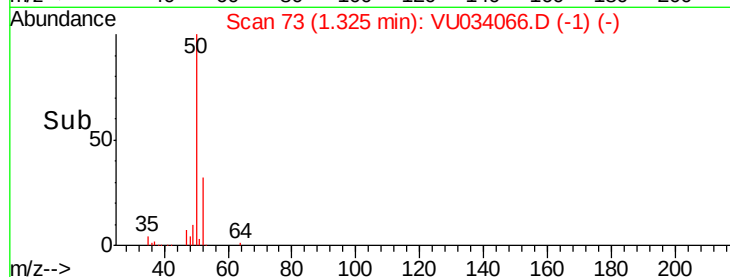
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 19.650 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034066.D

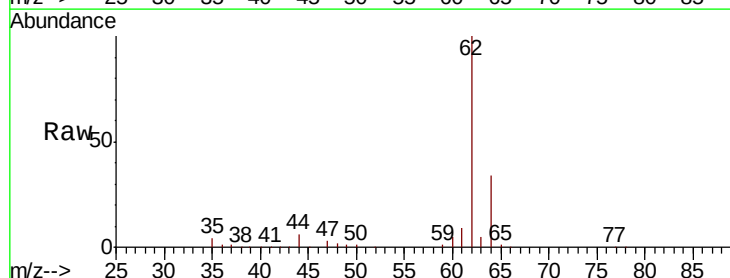
Acq: 29 Aug 2019 16:50

Tgt Ion: 62 Resp: 111720

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034018.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU034066.D (-2) (-)

1.40

120000

100000

80000

60000

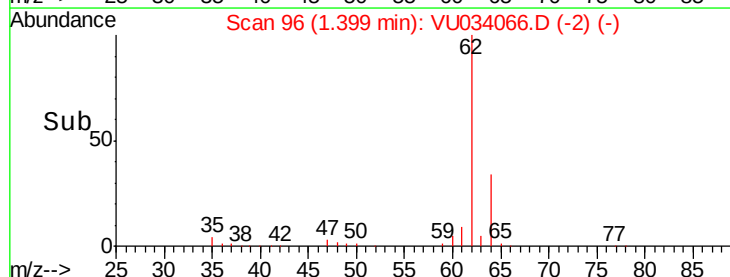
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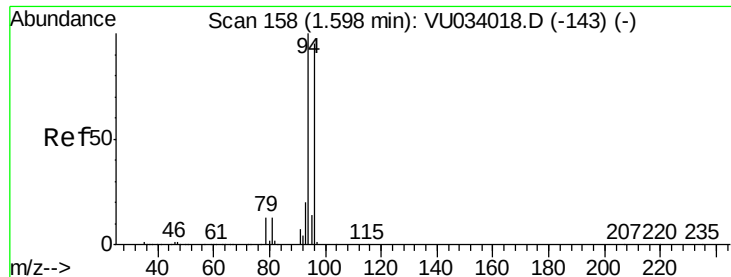
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 16.238 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

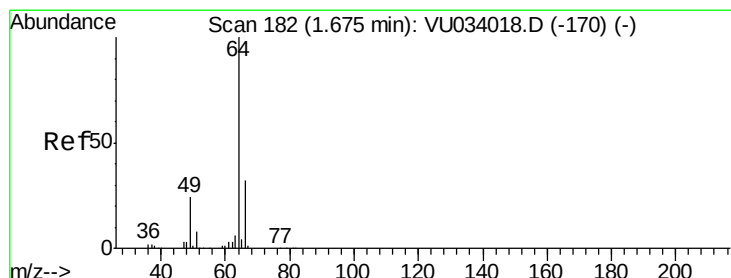
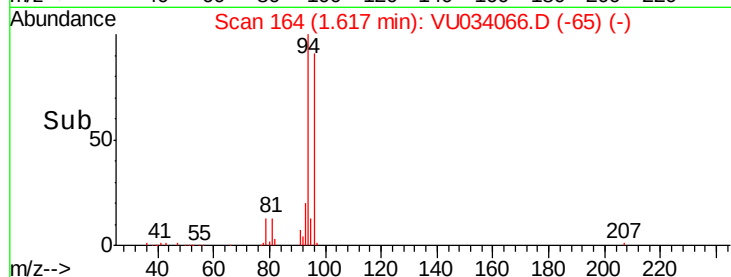
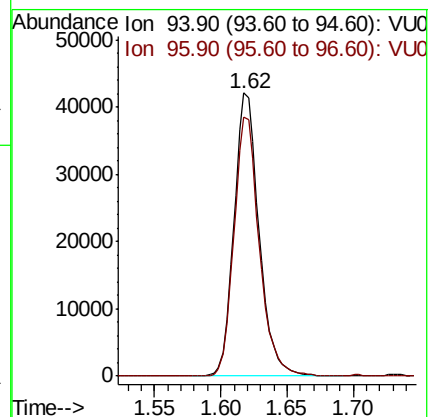
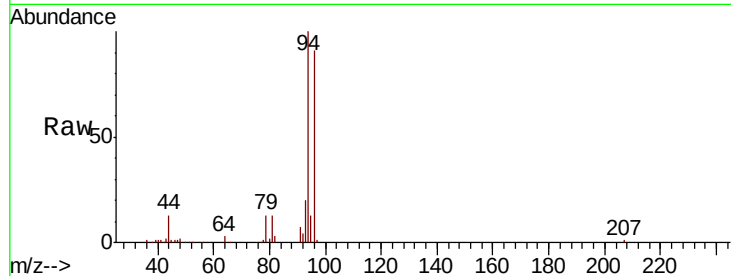
VU0830WBS01

Tgt Ion: 94 Resp: 55173

Ion Ratio Lower Upper

94 100

96 91.3 76.3 114.5



#6

Chloroethane

Concen: 19.874 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034066.D

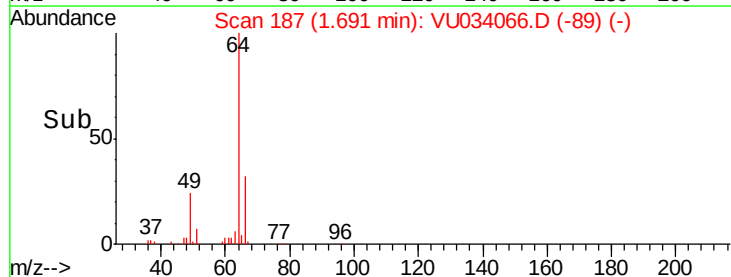
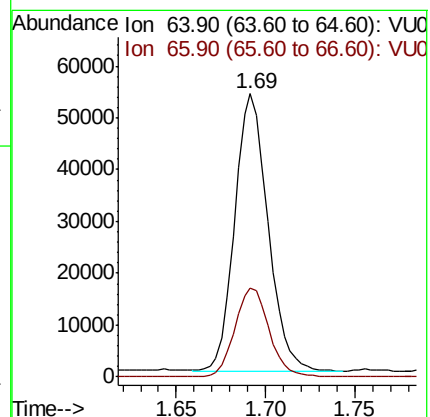
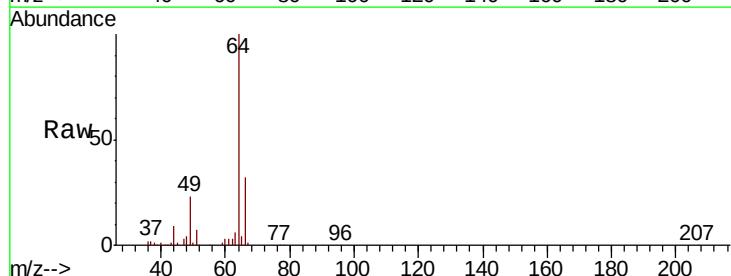
Acq: 29 Aug 2019 16:50

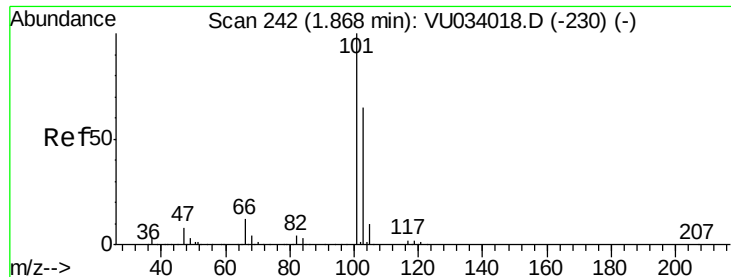
Tgt Ion: 64 Resp: 69079

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



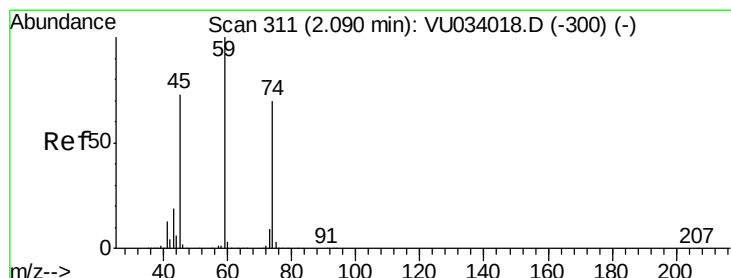
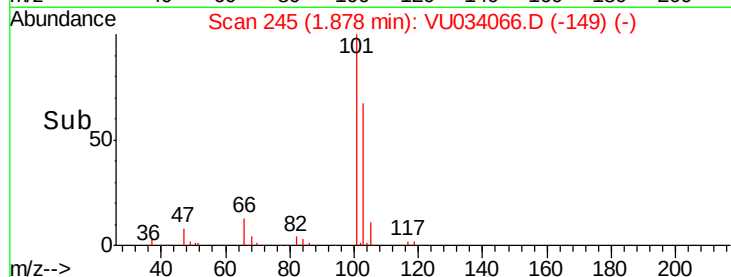
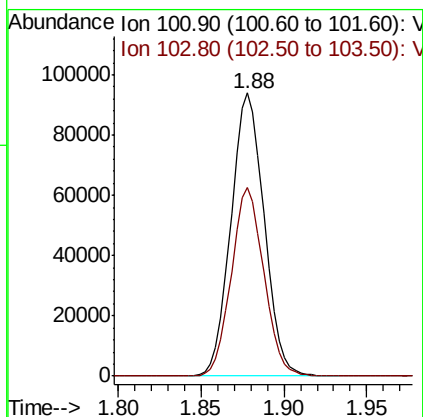
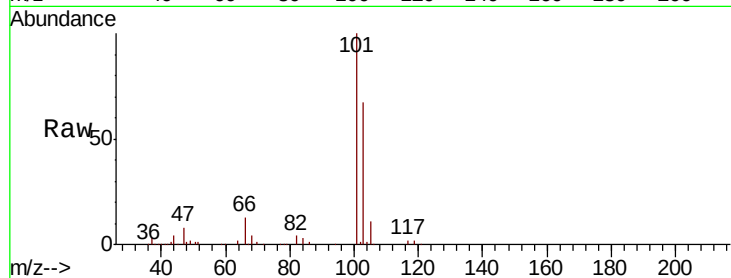


#7

Trichlorofluoromethane
 Concen: 19.844 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

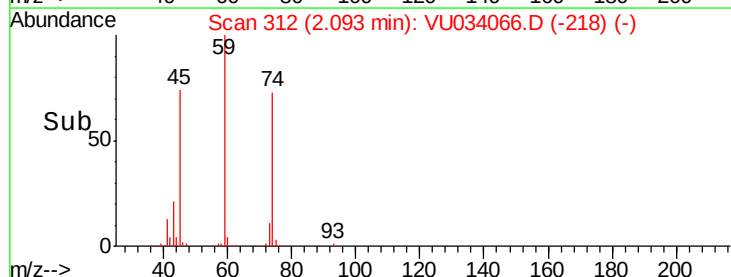
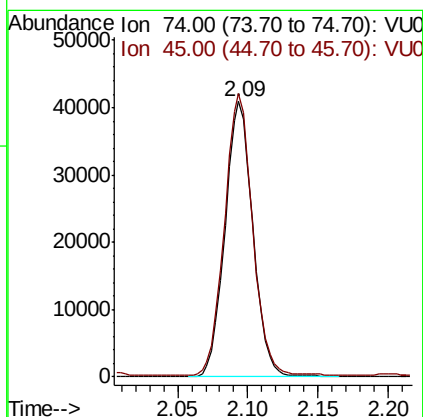
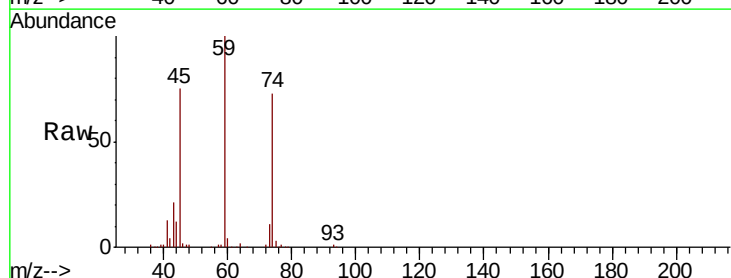
Tgt Ion:101 Resp: 130726
 Ion Ratio Lower Upper
 101 100
 103 66.7 52.1 78.1

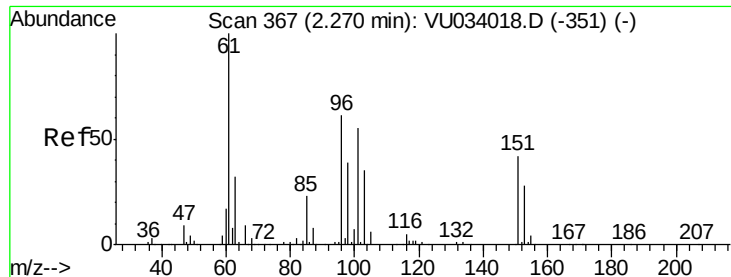


#8

Diethyl Ether
 Concen: 20.053 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 74 Resp: 56513
 Ion Ratio Lower Upper
 74 100
 45 103.0 51.8 155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.726 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

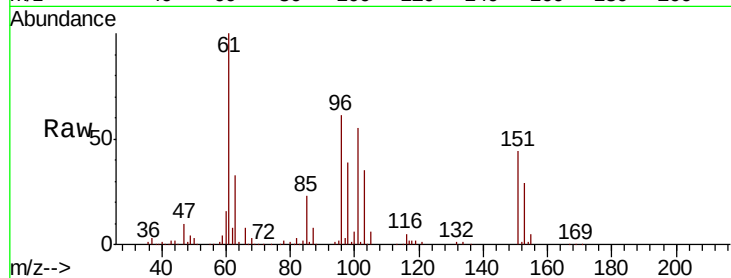
Tgt Ion:101 Resp: 82324

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.2

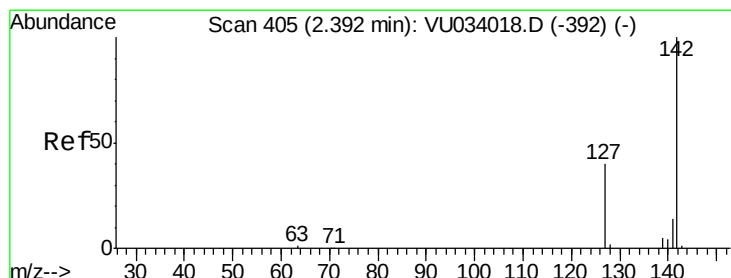
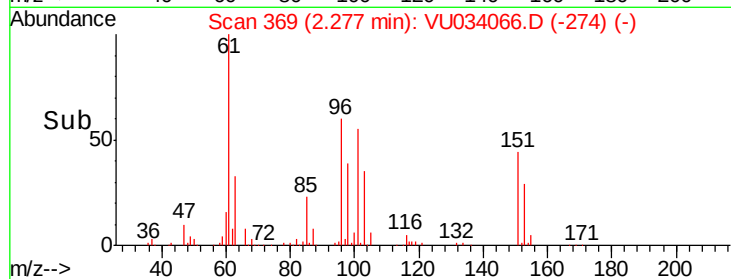
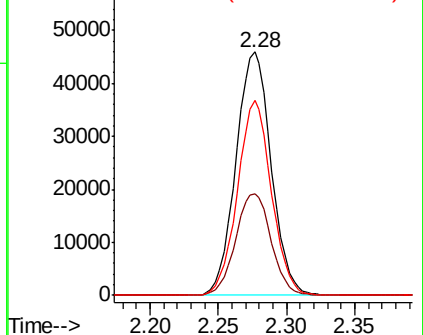
151 77.0 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.389 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

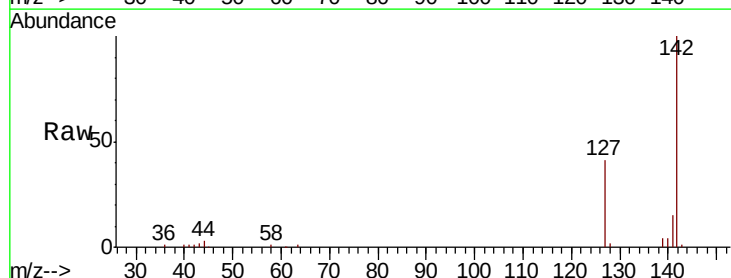
Tgt Ion:142 Resp: 55583

Ion Ratio Lower Upper

142 100

127 40.9 32.6 48.8

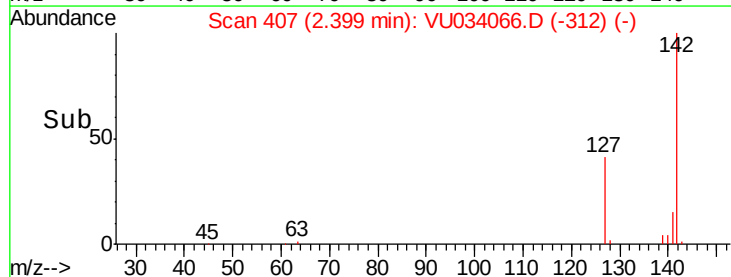
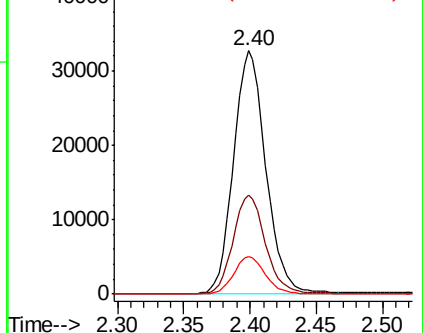
141 15.0 11.3 16.9

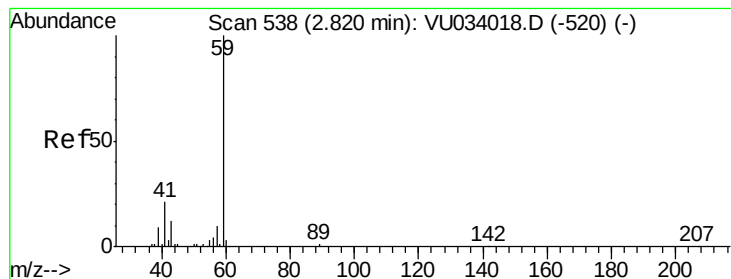


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 84.651 ug/l

RT: 2.80 min Scan# 533

Delta R.T. -0.02 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

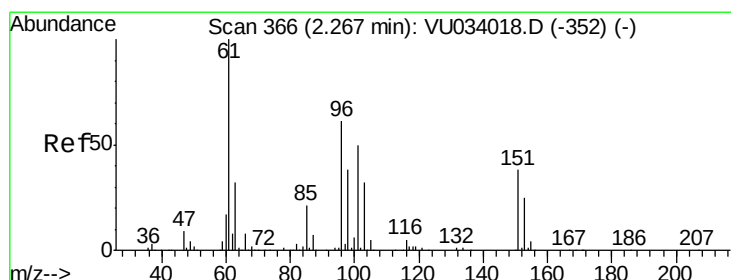
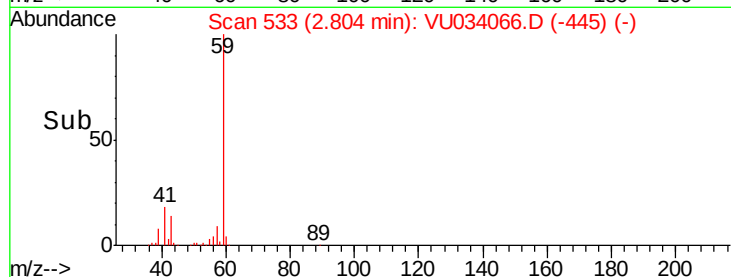
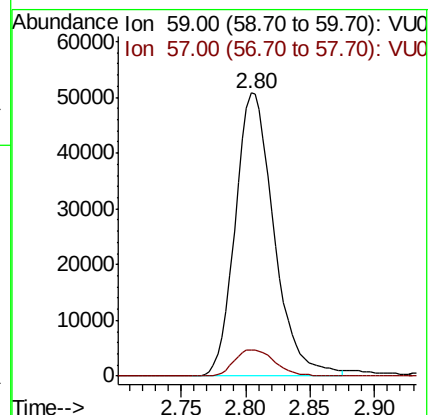
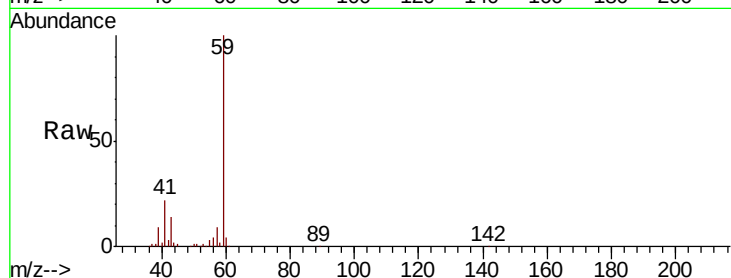
VU0830WBS01

Tgt Ion: 59 Resp: 106242

Ion Ratio Lower Upper

59 100

57 9.7 8.0 12.0



#12

1,1-Dichloroethene

Concen: 19.727 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

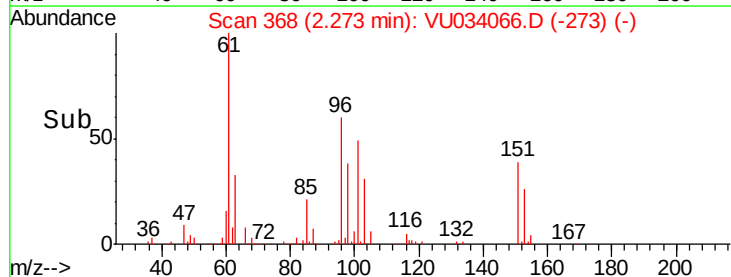
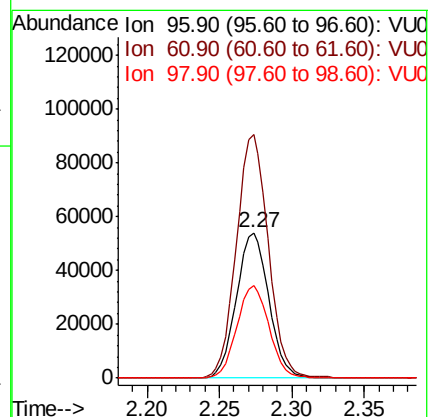
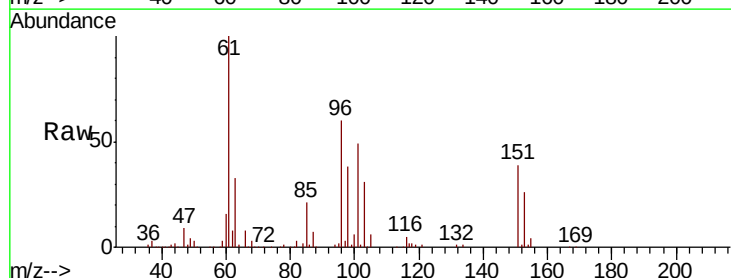
Tgt Ion: 96 Resp: 83881

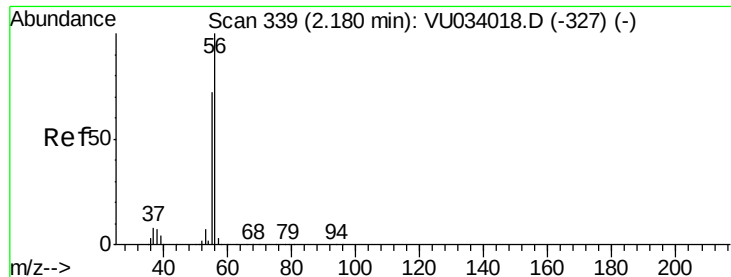
Ion Ratio Lower Upper

96 100

61 167.3 131.3 196.9

98 63.4 50.3 75.5





#13

Acrolein

Concen: 77.844 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

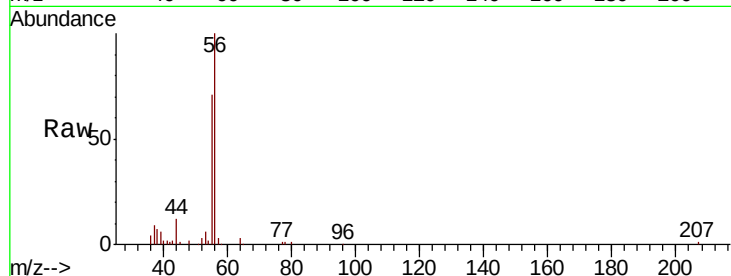
VU0830WBS01

Tgt Ion: 56 Resp: 41099

Ion Ratio Lower Upper

56 100

55 69.4 57.1 85.7

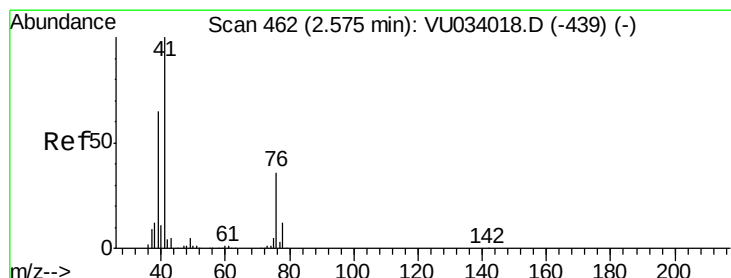
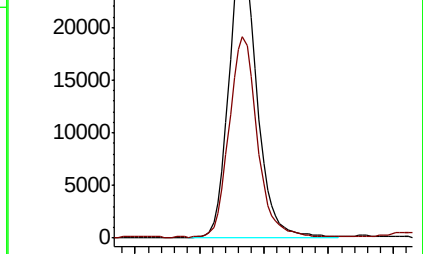
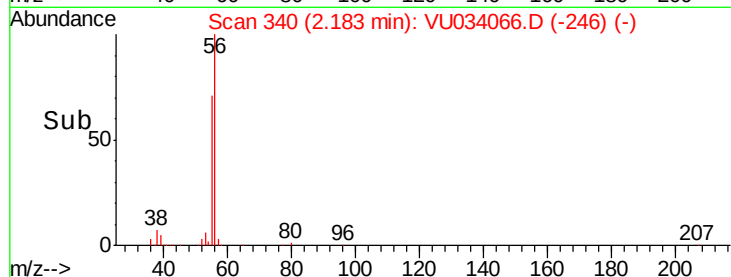


Abundance Ion 56.00 (55.70 to 56.70): VU034066.D (-246) (-)

Ion 55.00 (54.70 to 55.70): VU034066.D (-246) (-)

2.18

Time-->



#14

Allyl chloride

Concen: 17.330 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

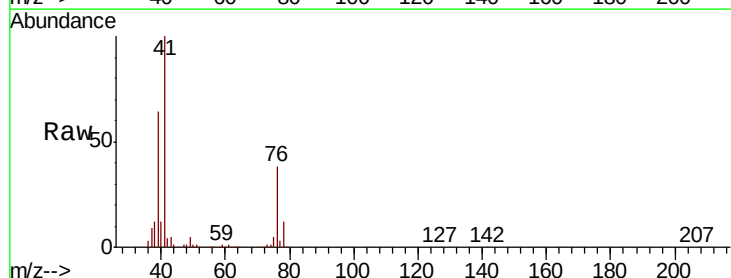
Tgt Ion: 41 Resp: 138548

Ion Ratio Lower Upper

41 100

39 63.7 46.8 70.2

76 36.6 26.6 40.0



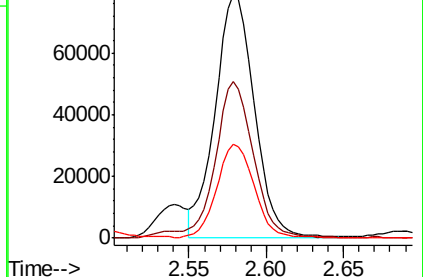
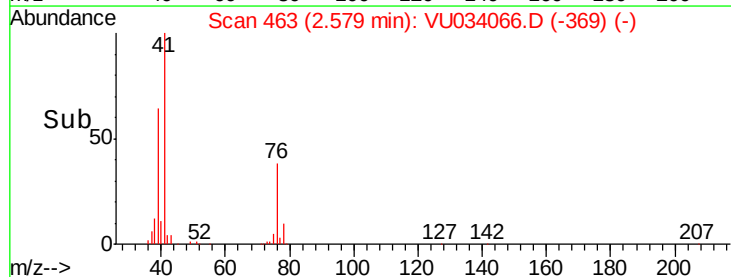
Abundance Ion 41.00 (40.70 to 41.70): VU034066.D (-369) (-)

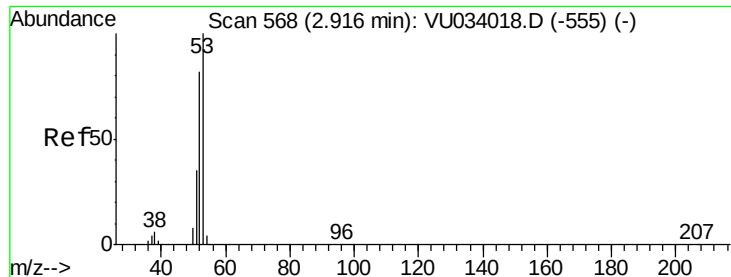
Ion 39.00 (38.70 to 39.70): VU034066.D (-369) (-)

Ion 75.90 (75.60 to 76.60): VU034066.D (-369) (-)

2.58

Time-->





#15

Acrylonitrile

Concen: 97.955 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

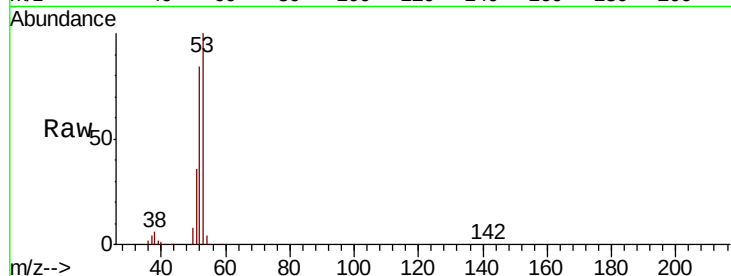
Tgt Ion: 53 Resp: 282105

Ion Ratio Lower Upper

53 100

52 83.3 65.7 98.5

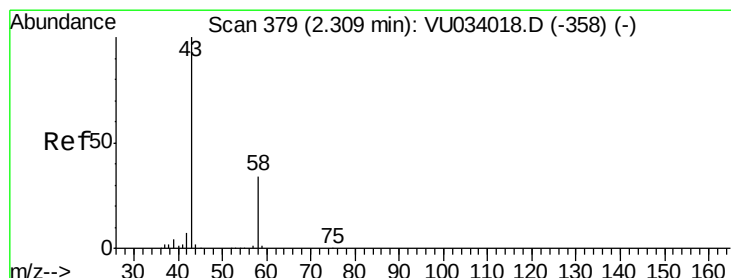
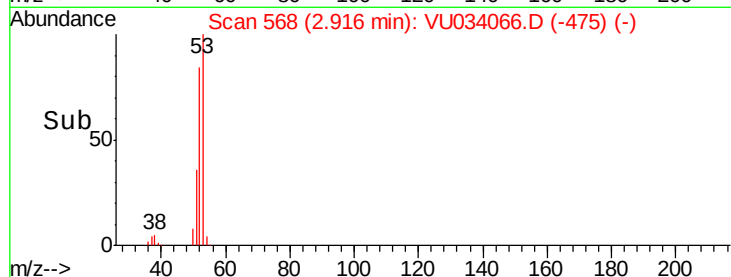
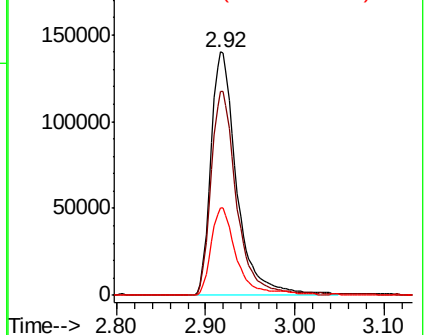
51 34.1 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 86.687 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034066.D

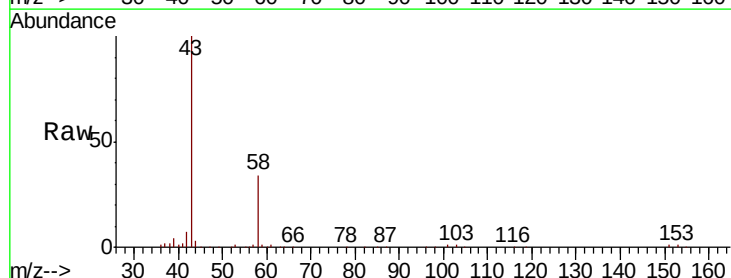
Acq: 29 Aug 2019 16:50

Tgt Ion: 43 Resp: 240727

Ion Ratio Lower Upper

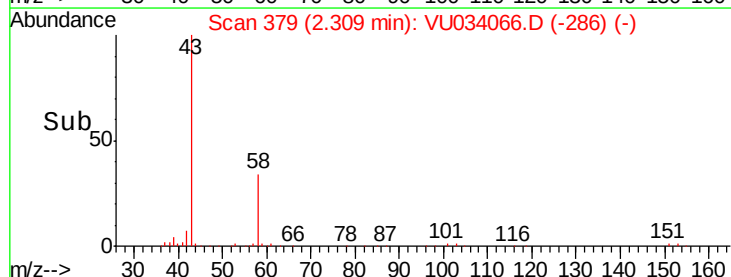
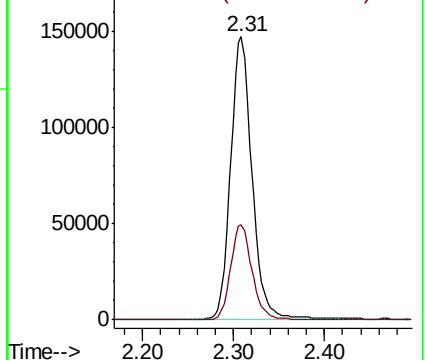
43 100

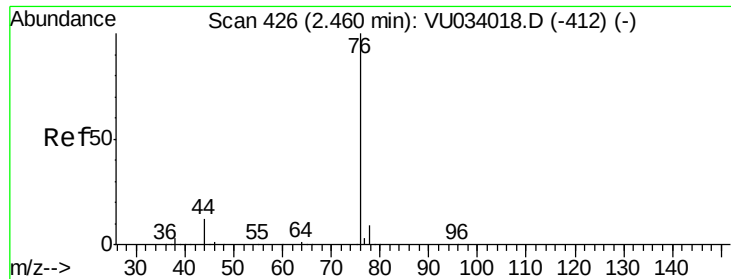
58 33.9 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

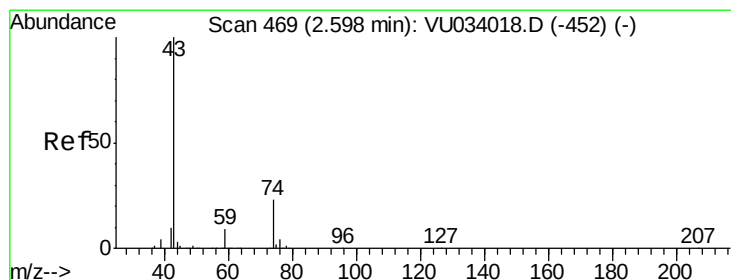
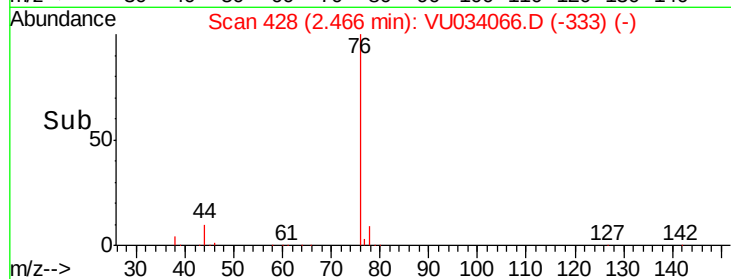
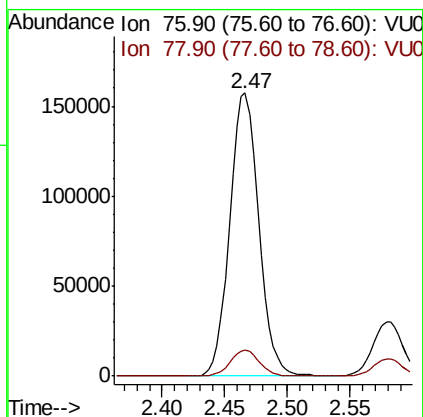
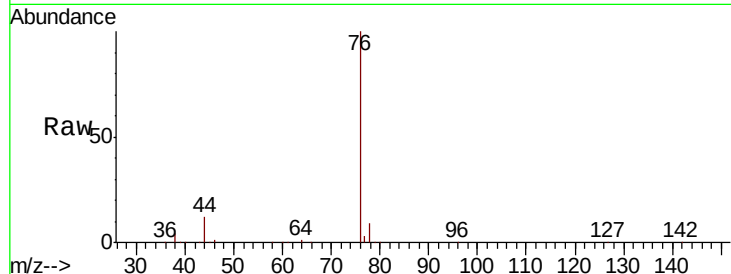




#17
Carbon Disulfide
Concen: 18.822 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

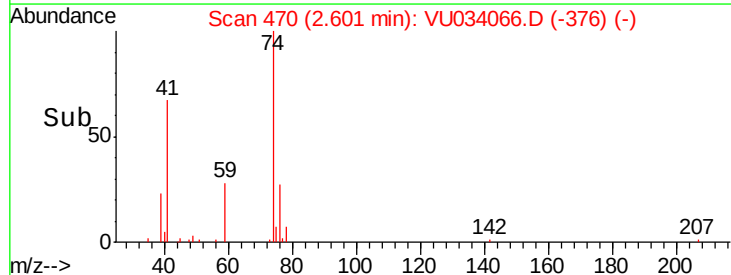
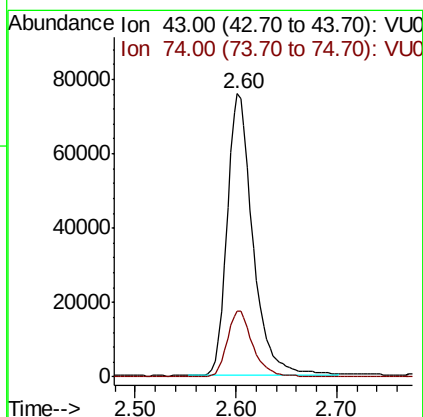
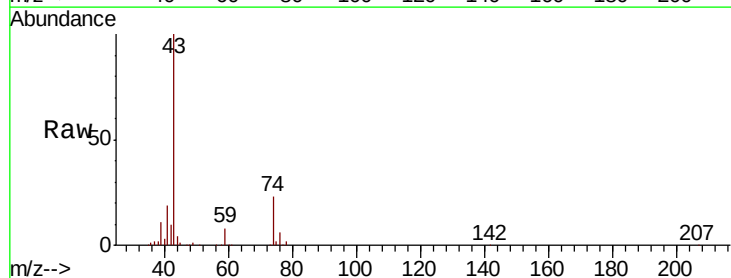
Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

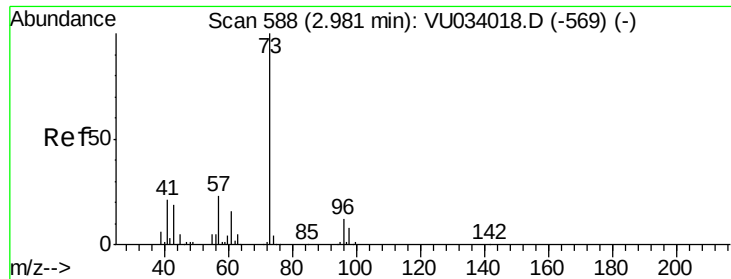
Tgt Ion: 76 Resp: 253295
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 18.888 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion: 43 Resp: 135544
Ion Ratio Lower Upper
43 100
74 23.2 19.2 28.8



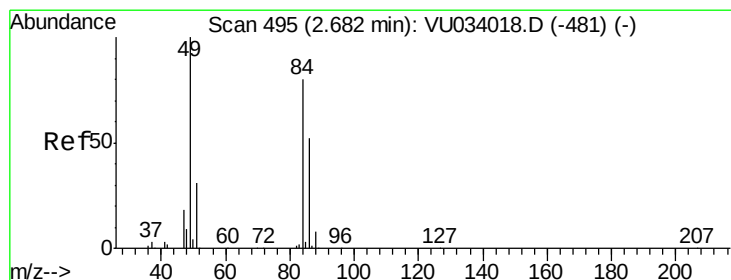
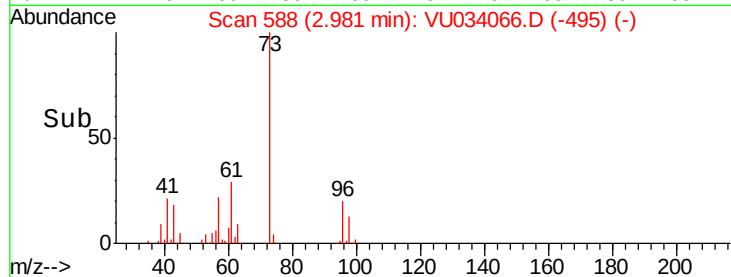
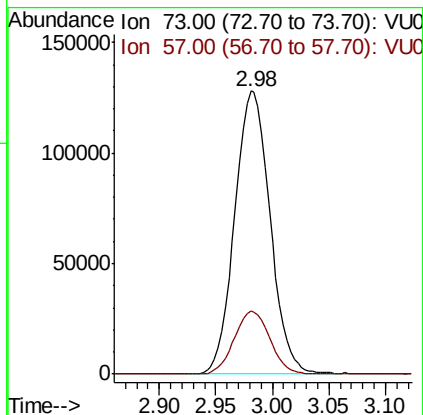
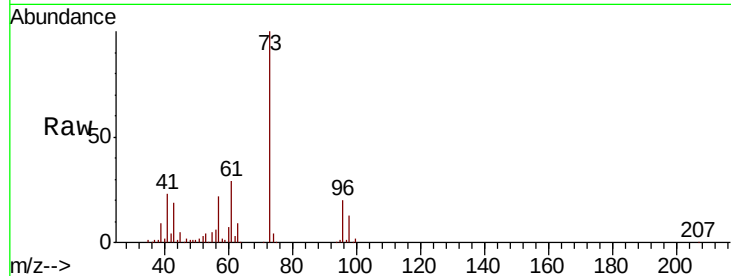


#19

Methyl tert-butyl Ether
 Concen: 20.047 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

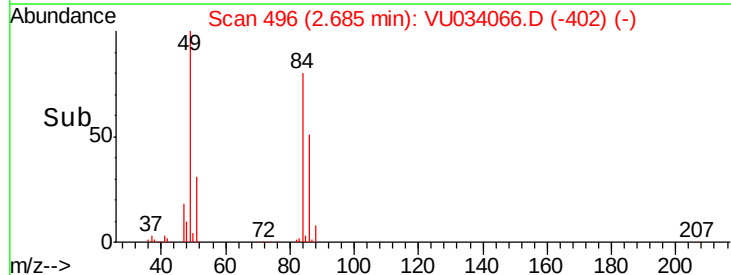
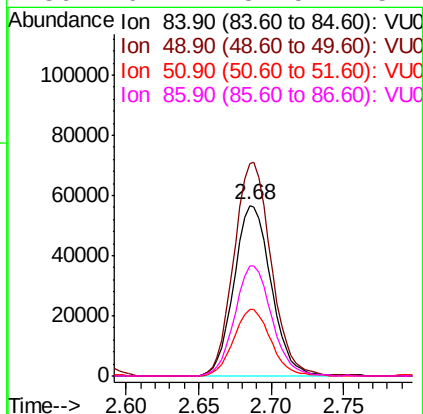
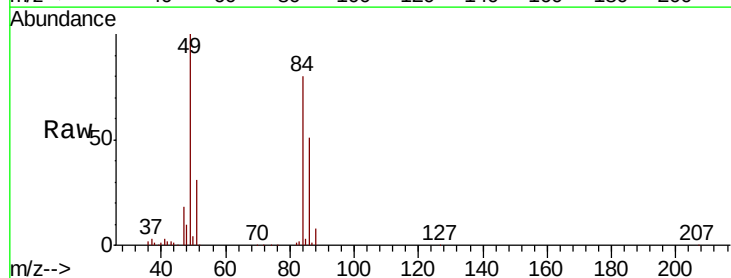
Tgt Ion: 73 Resp: 279302
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.3 27.5

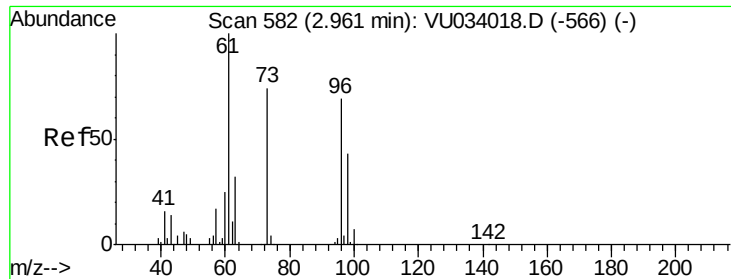


#20

Methylene Chloride
 Concen: 19.250 ug/l
 RT: 2.68 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 84 Resp: 101197
 Ion Ratio Lower Upper
 84 100
 49 124.8 100.2 150.4
 51 39.2 30.8 46.2
 86 64.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.823 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

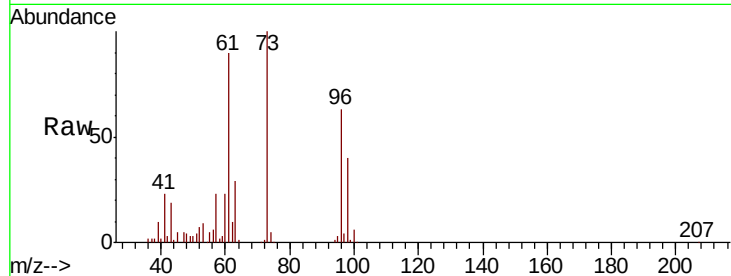
Tgt Ion: 96 Resp: 91481

Ion Ratio Lower Upper

96 100

61 142.5 115.5 173.3

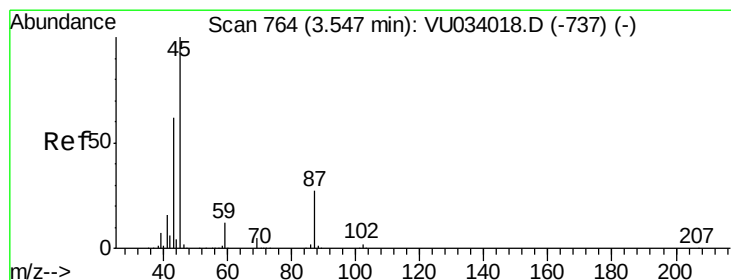
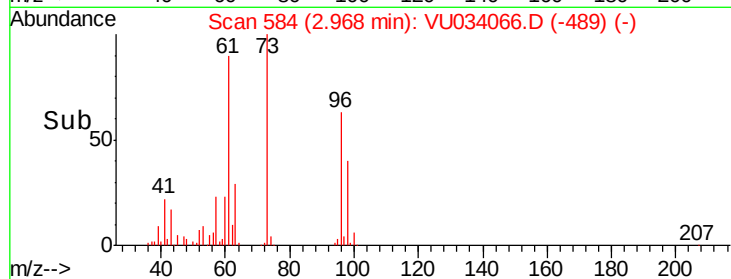
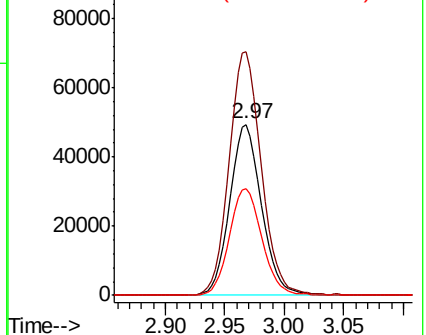
98 62.8 50.1 75.1



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



#22

Diisopropyl ether

Concen: 20.488 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion: 45 Resp: 300148

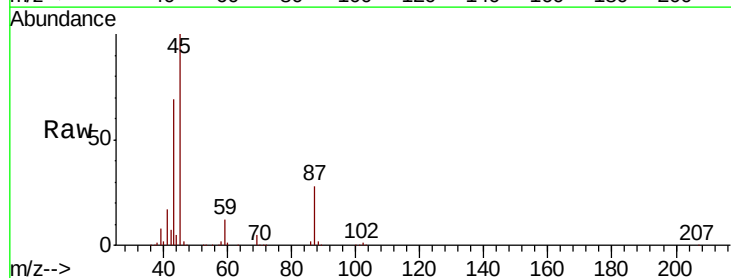
Ion Ratio Lower Upper

45 100

43 69.1 49.7 74.5

87 27.8 21.8 32.8

59 11.9 9.3 13.9

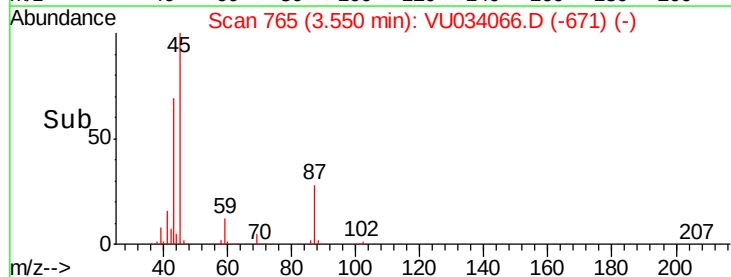
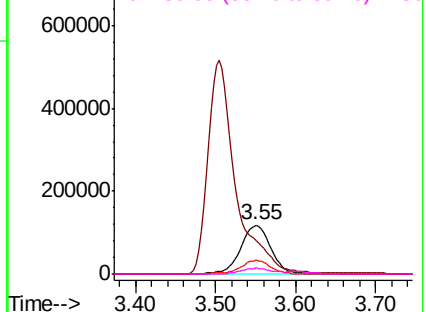


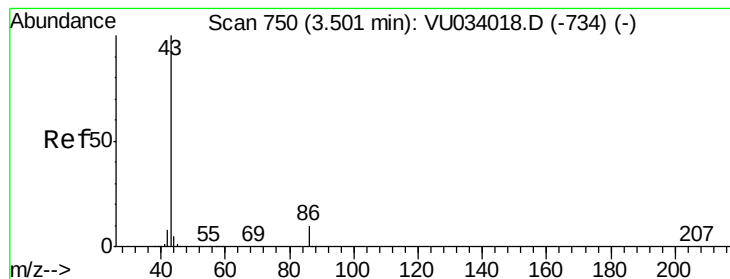
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 99.154 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

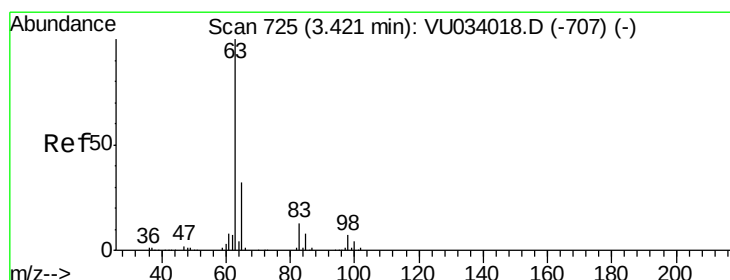
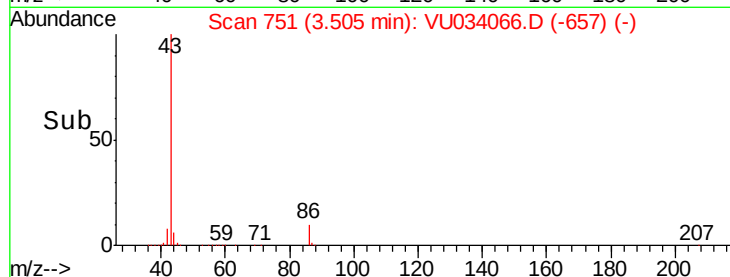
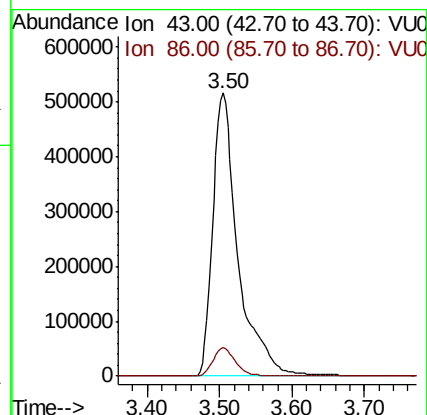
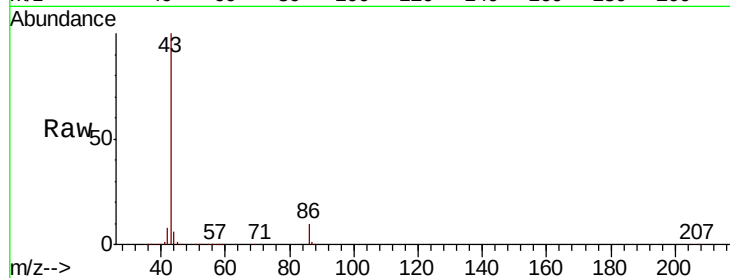
VU0830WBS01

Tgt Ion: 43 Resp: 1247801

Ion Ratio Lower Upper

43 100

86 10.0 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.416 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

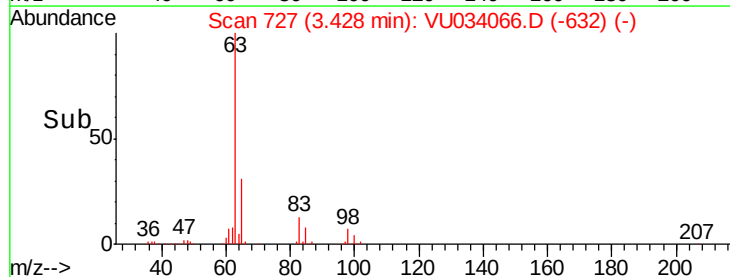
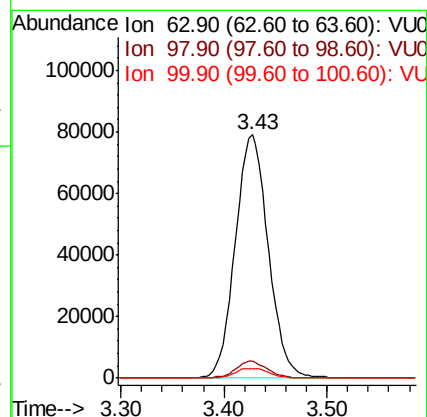
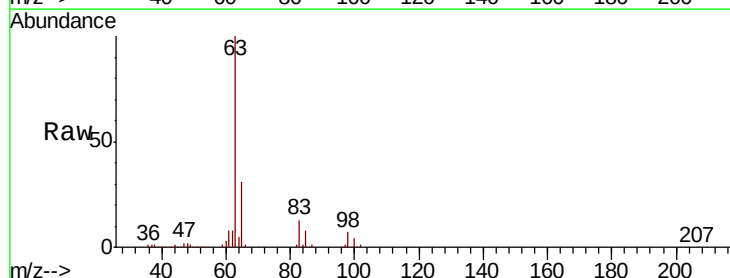
Tgt Ion: 63 Resp: 176574

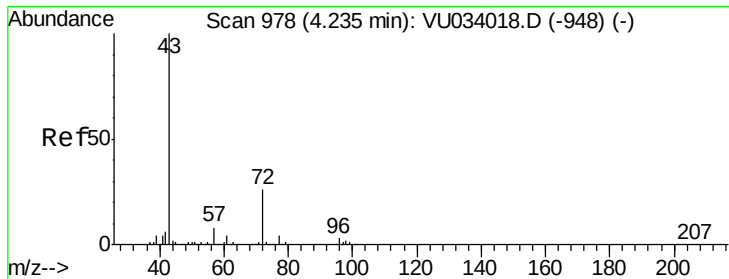
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 94.850 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

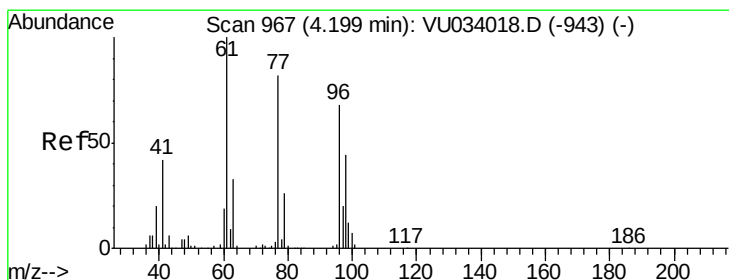
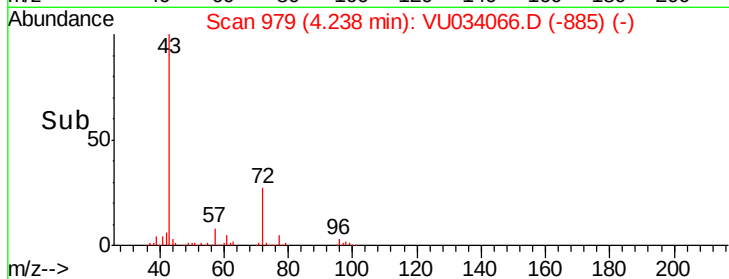
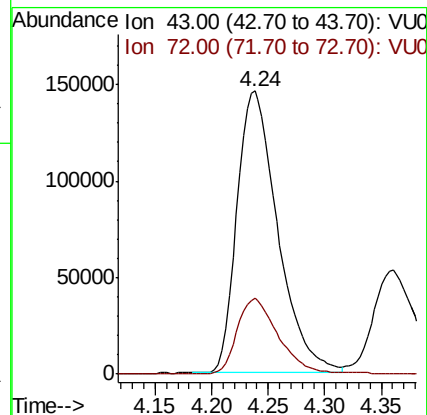
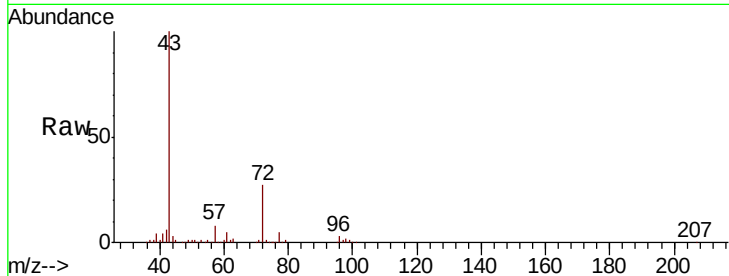
VU0830WBS01

Tgt Ion: 43 Resp: 366452

Ion Ratio Lower Upper

43 100

72 26.6 21.2 31.8



#26

2,2-Dichloropropane

Concen: 17.874 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034066.D

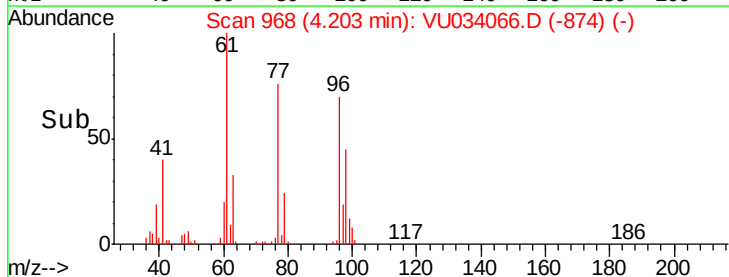
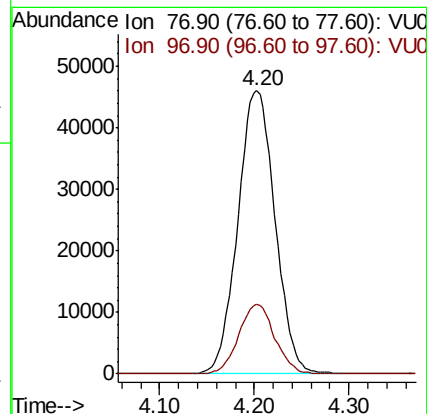
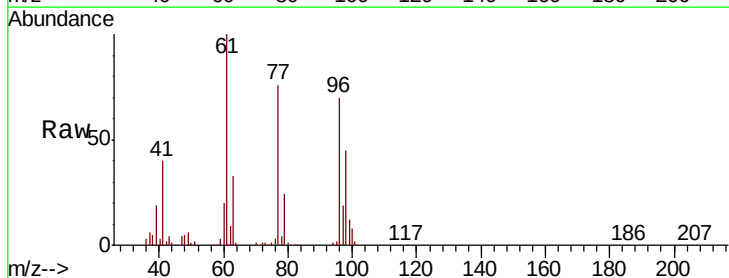
Acq: 29 Aug 2019 16:50

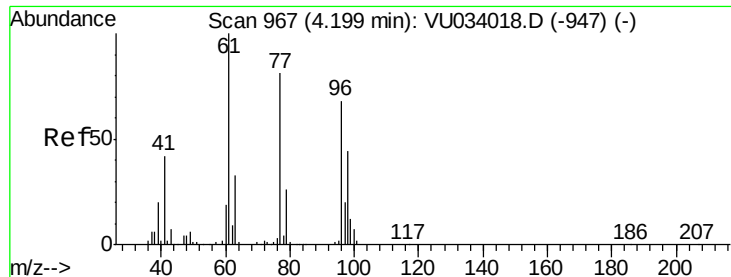
Tgt Ion: 77 Resp: 125788

Ion Ratio Lower Upper

77 100

97 23.7 11.6 34.7



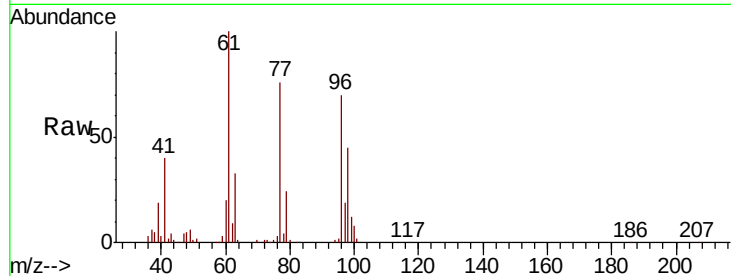


#27

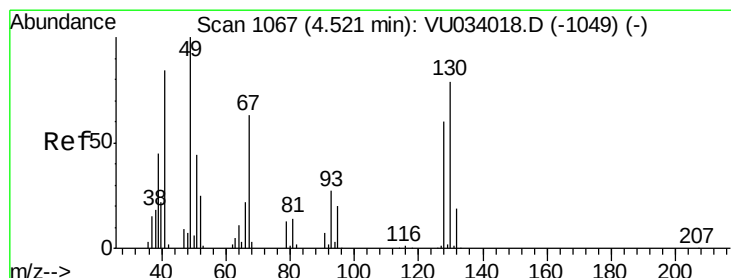
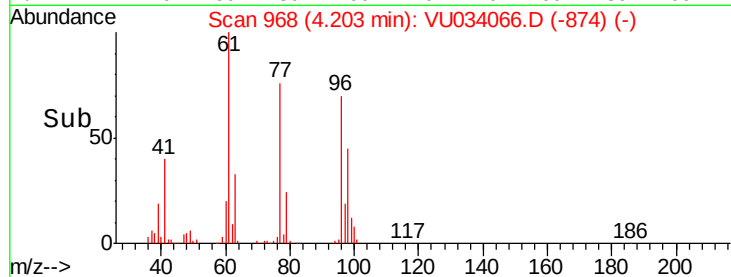
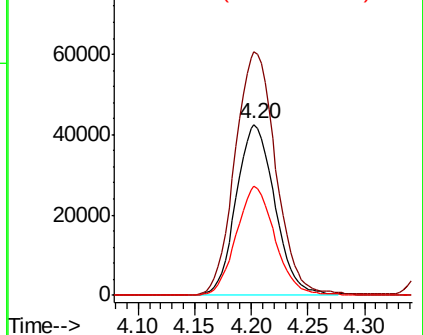
cis-1,2-Dichloroethene
 Concen: 19.580 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tgt Ion: 96 Resp: 101420
 Ion Ratio Lower Upper
 96 100
 61 150.7 0.0 303.0
 98 63.8 0.0 129.2



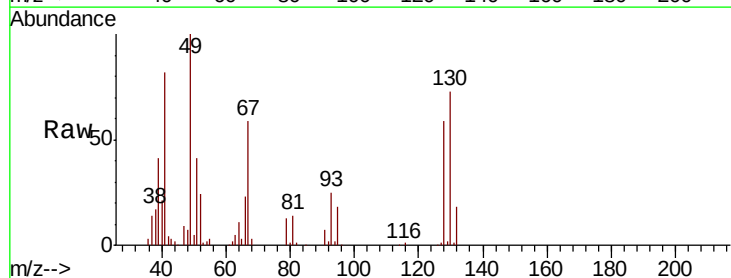
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



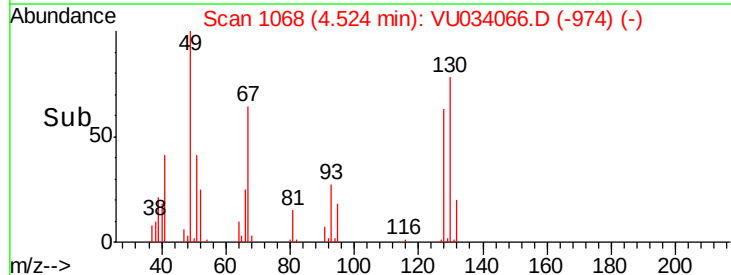
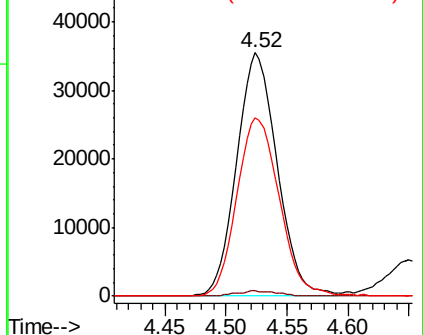
#28

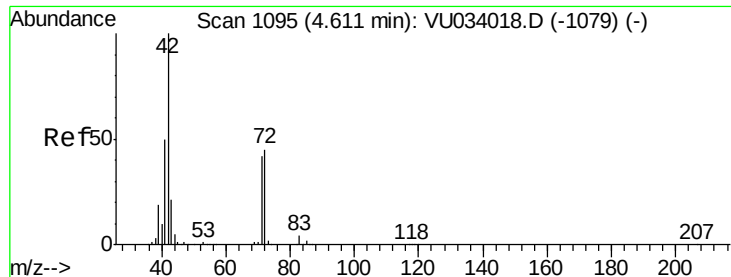
Bromochloromethane
 Concen: 19.157 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 49 Resp: 81630
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 3.6
 130 76.8 62.8 94.2



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

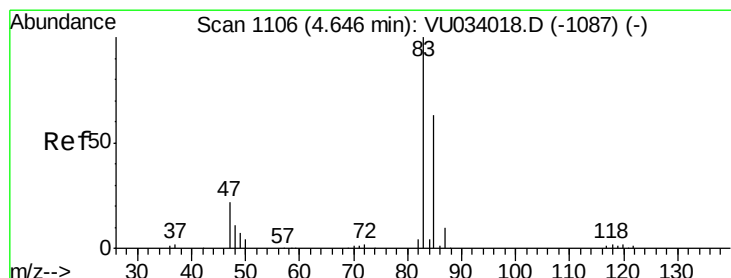
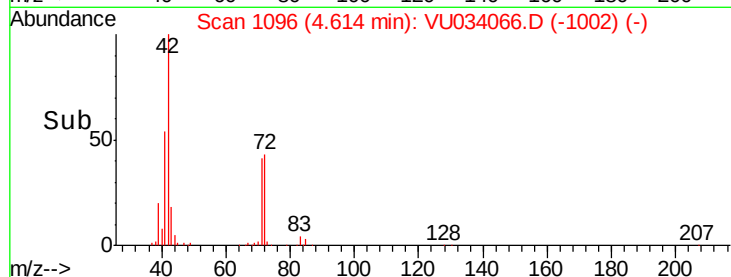
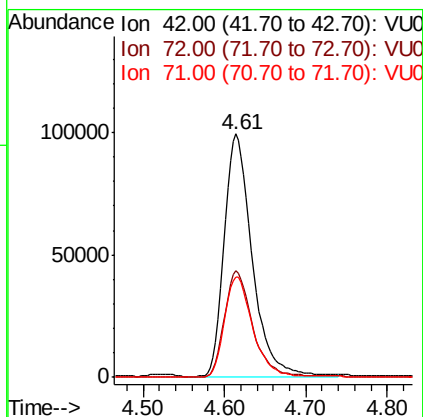
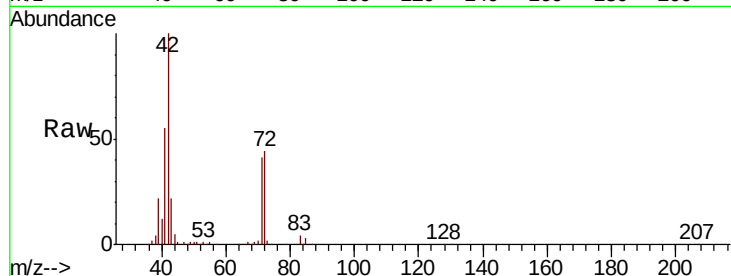




#29
Tetrahydrofuran
Concen: 100.781 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

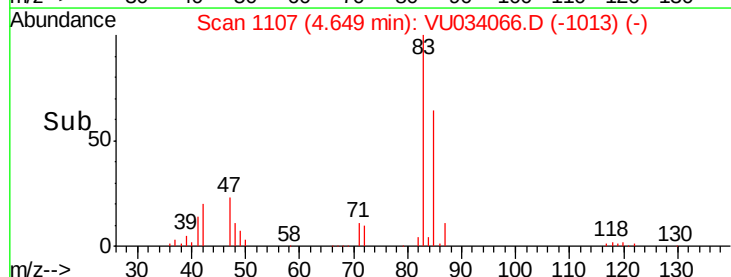
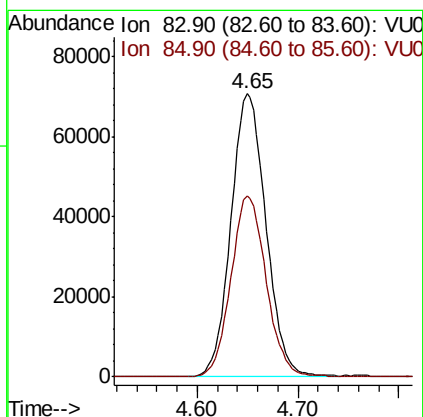
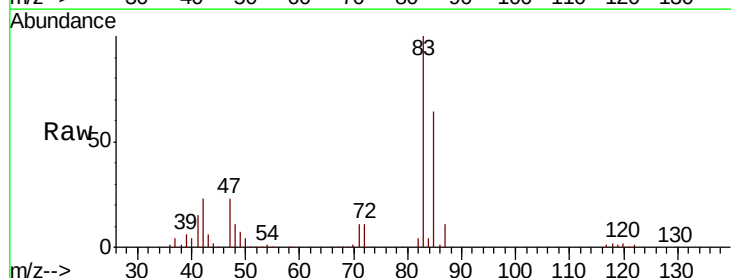
Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

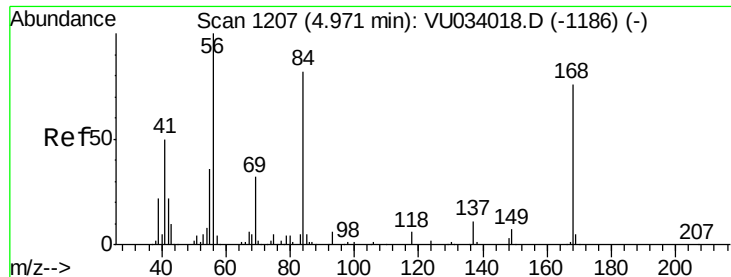
Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.8	53.6
71	41.6	34.0	51.0



#30
Chloroform
Concen: 19.776 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.7	76.1





#31

Cyclohexane

Concen: 19.176 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

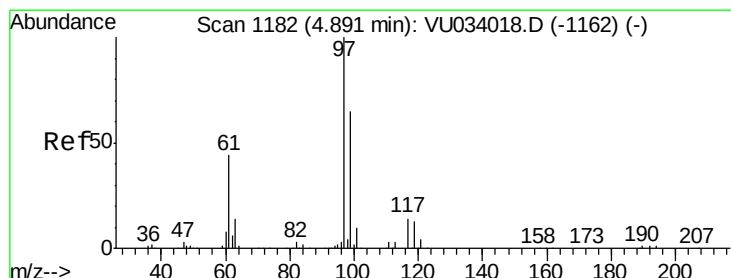
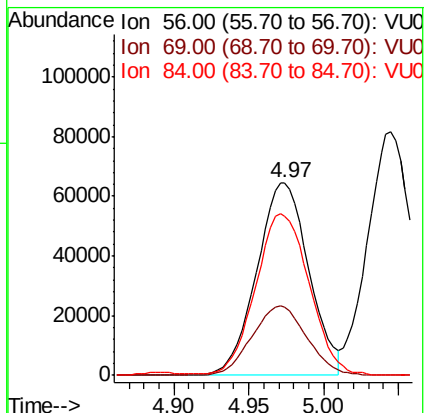
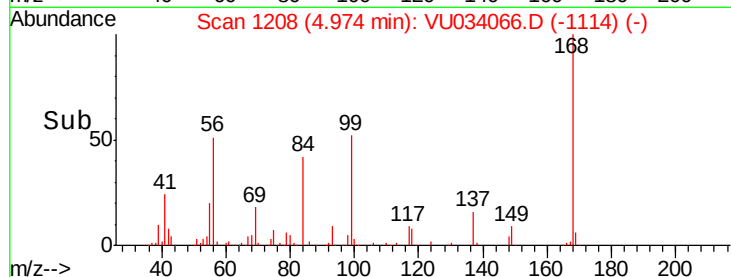
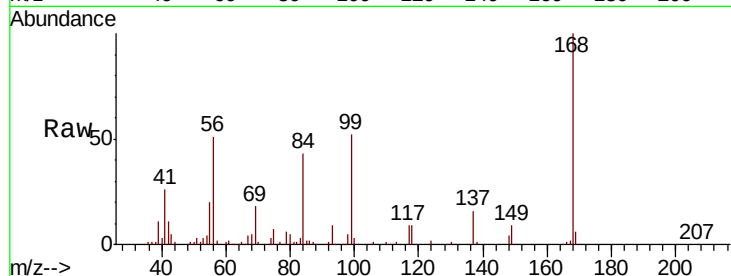
Tgt Ion: 56 Resp: 155841

Ion Ratio Lower Upper

56 100

69 35.6 25.4 38.0

84 82.0 65.8 98.8



#32

1,1,1-Trichloroethane

Concen: 19.857 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

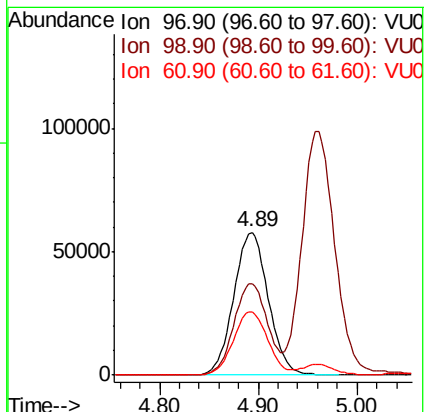
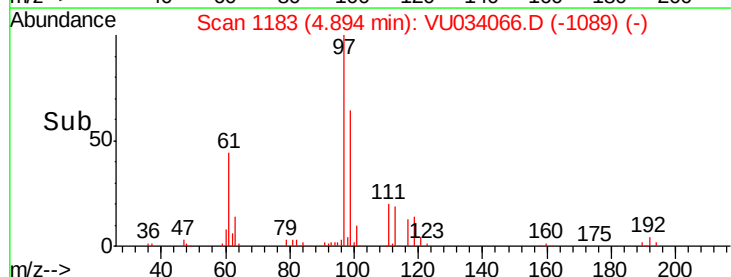
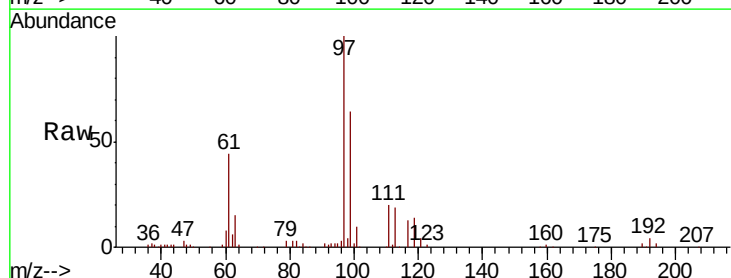
Tgt Ion: 97 Resp: 140342

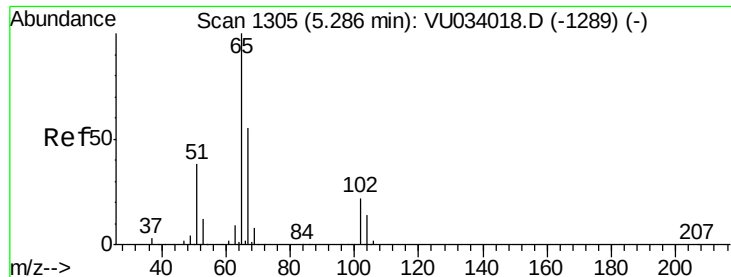
Ion Ratio Lower Upper

97 100

99 62.3 51.8 77.6

61 44.2 35.3 52.9

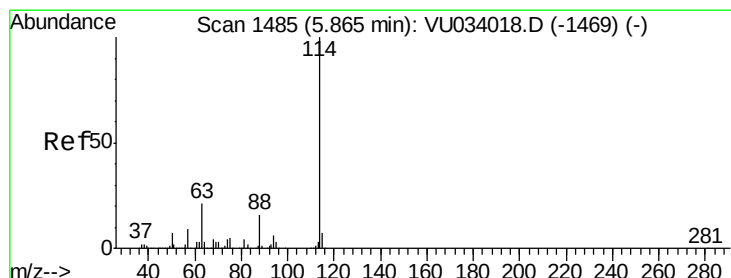
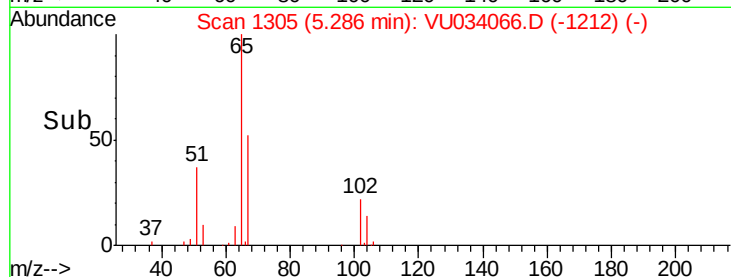
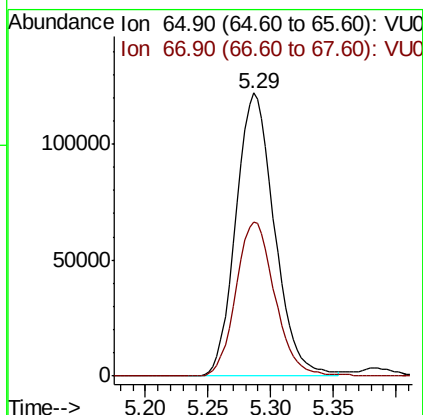
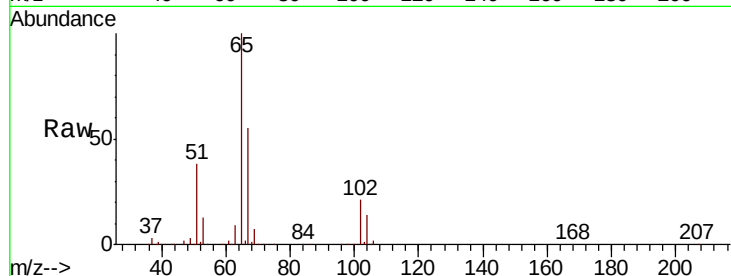




#33
 1,2-Dichloroethane-d4
 Concen: 47.971 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

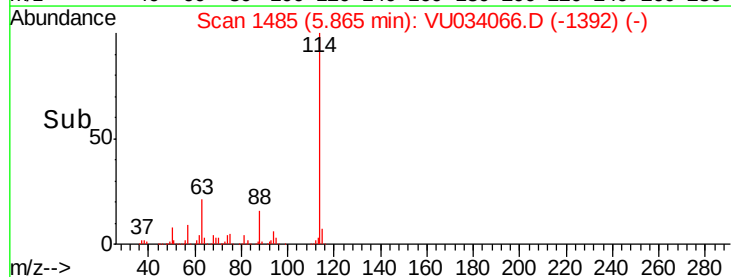
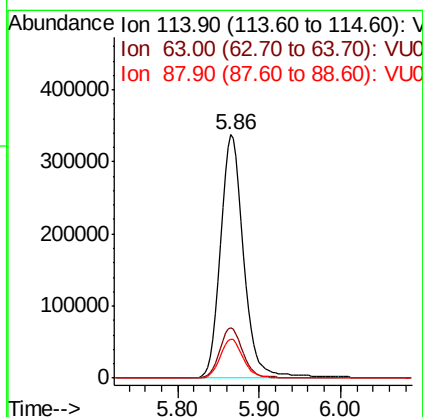
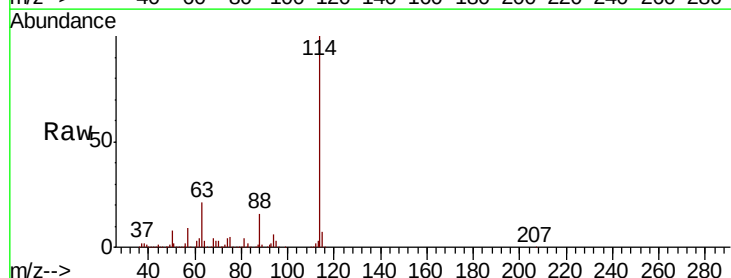
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

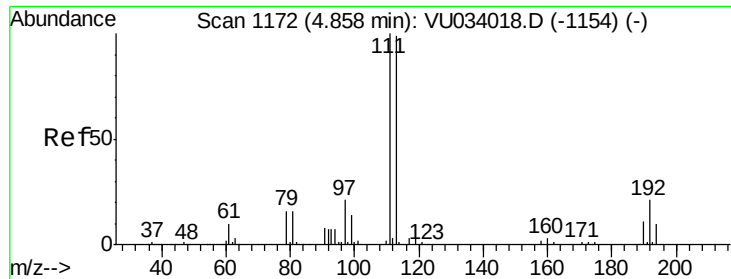
Tgt Ion: 65 Resp: 261081
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 114 Resp: 681868
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.0
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.108 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

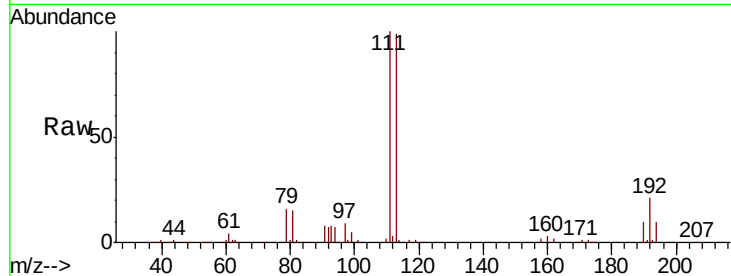
Tgt Ion:113 Resp: 218063

Ion Ratio Lower Upper

113 100

111 101.8 81.7 122.5

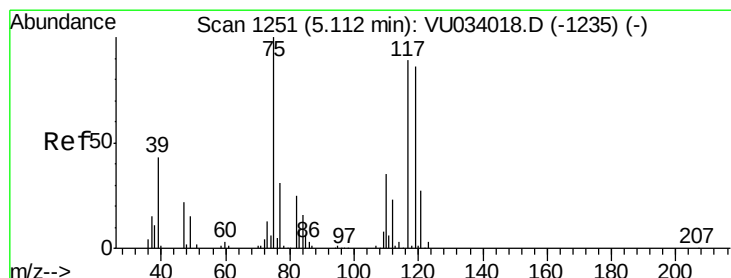
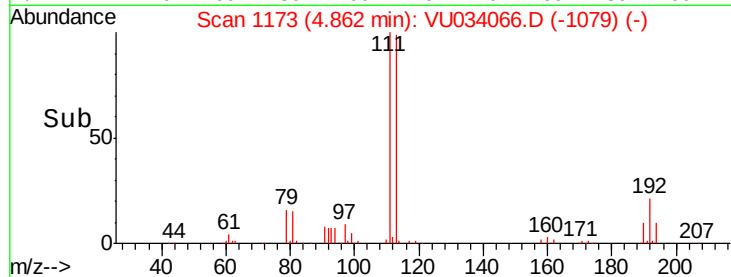
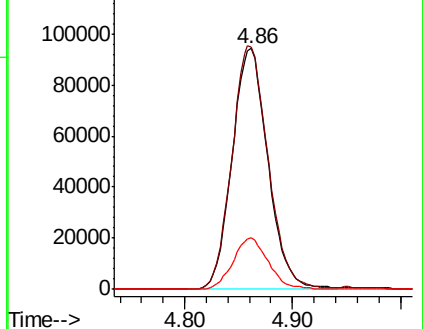
192 21.2 17.1 25.7



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: 19.207 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

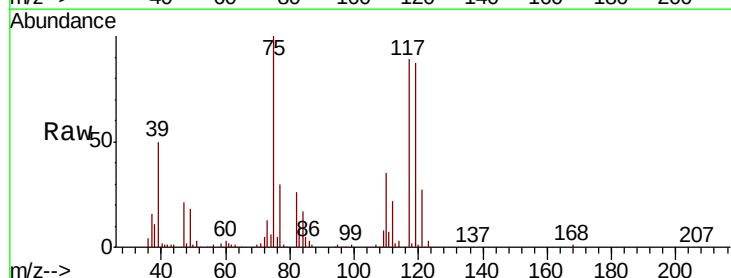
Tgt Ion: 75 Resp: 123878

Ion Ratio Lower Upper

75 100

110 35.9 17.8 53.5

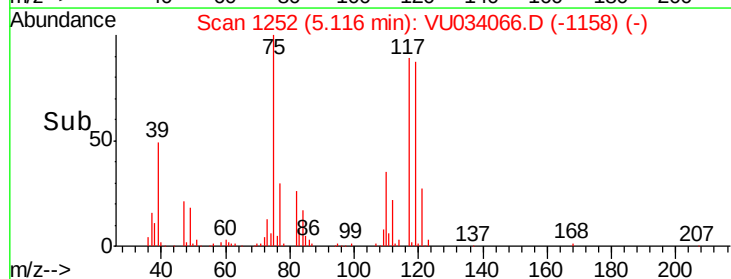
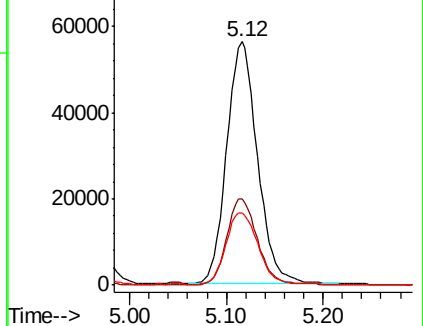
77 30.6 25.0 37.4

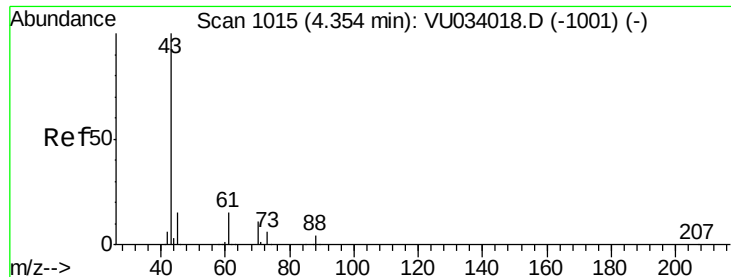


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

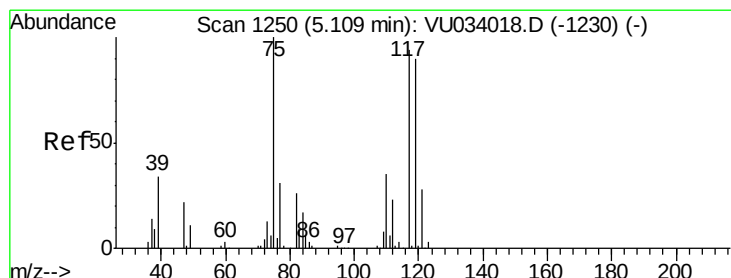
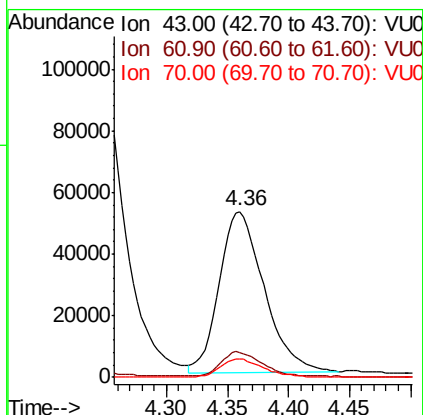
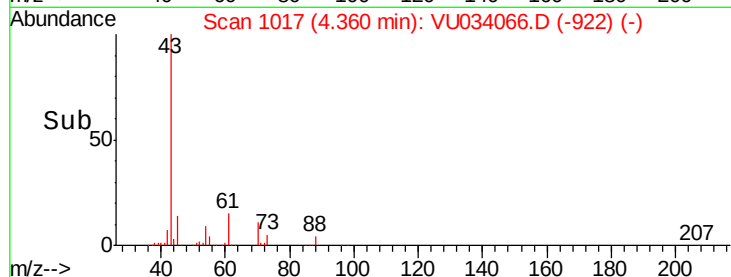
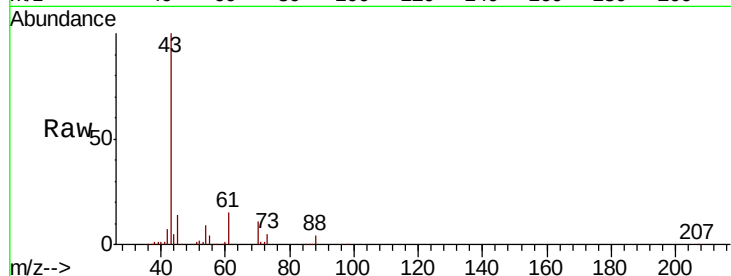




#37
 Ethyl Acetate
 Concen: 18.625 ug/l
 RT: 4.36 min Scan# 1017
 Delta R.T. 0.01 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

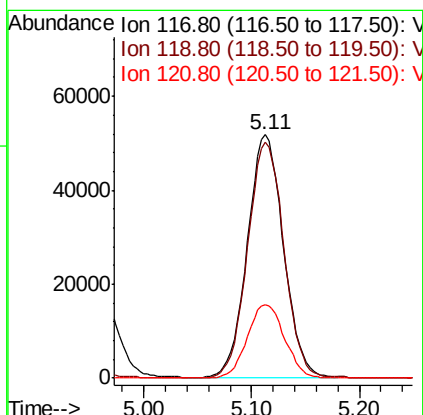
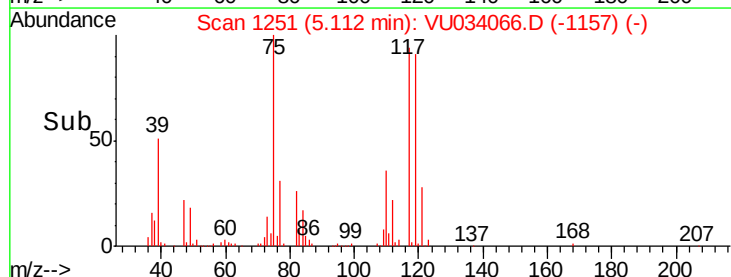
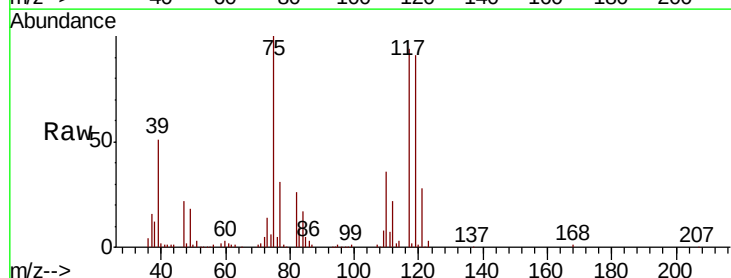
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

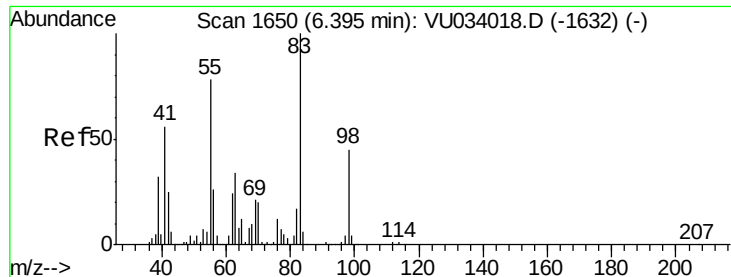
Tgt Ion: 43 Resp: 134518
 Ion Ratio Lower Upper
 43 100
 61 14.9 11.5 17.3
 70 11.2 8.6 12.8



#38
 Carbon Tetrachloride
 Concen: 19.268 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 117 Resp: 119956
 Ion Ratio Lower Upper
 117 100
 119 97.1 77.0 115.4
 121 30.0 23.9 35.9

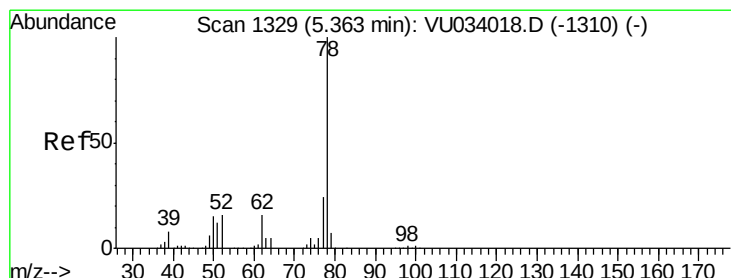
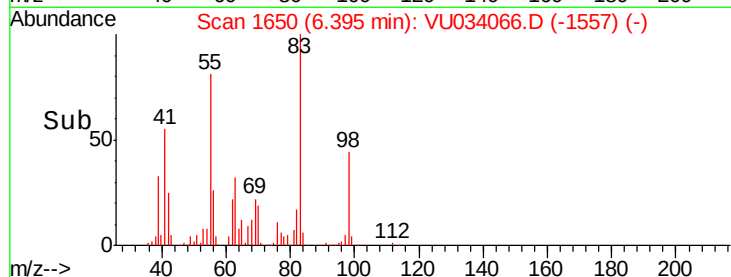
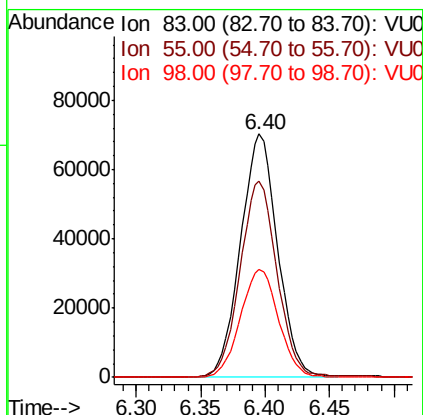
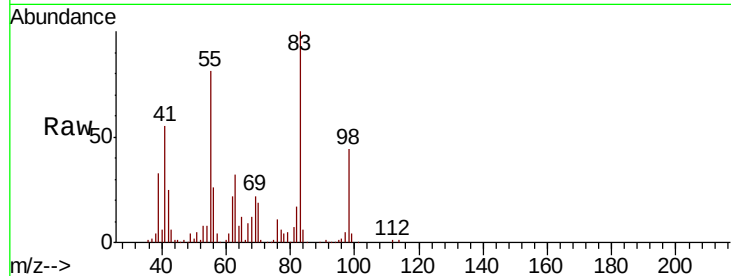




#39
Methylcyclohexane
Concen: 18.537 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

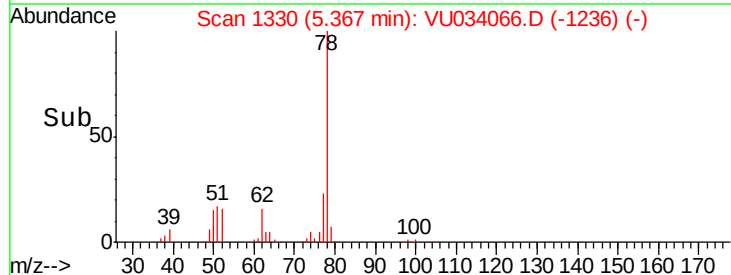
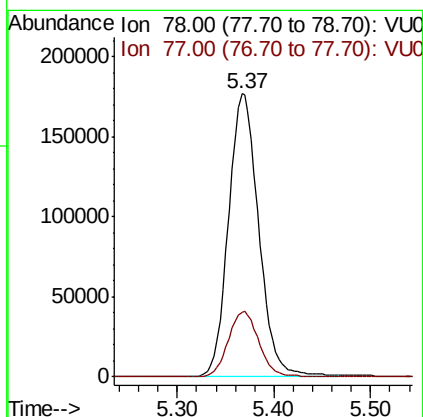
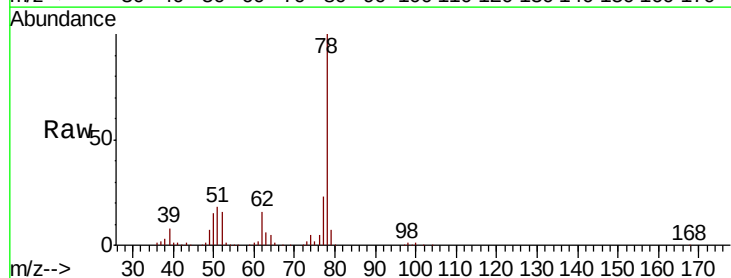
Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

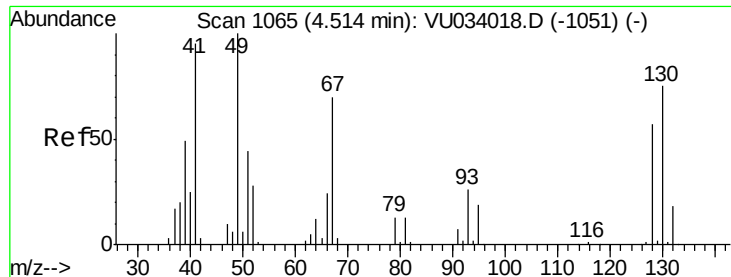
Tgt Ion: 83 Resp: 140913
Ion Ratio Lower Upper
83 100
55 80.7 62.3 93.5
98 44.3 36.2 54.2



#40
Benzene
Concen: 19.706 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion: 78 Resp: 384526
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6





#41

Methacrylonitrile

Concen: 19.615 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tgt Ion: 41 Resp: 72655

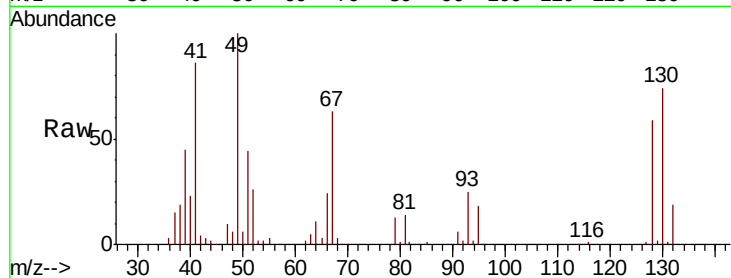
Ion Ratio Lower Upper

41 100

39 52.9 42.1 63.1

67 77.6 61.0 91.4

52 29.9 23.3 34.9

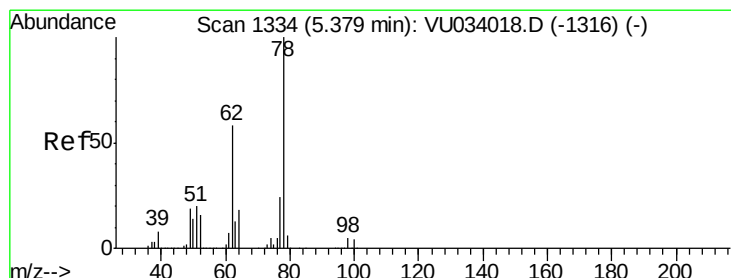
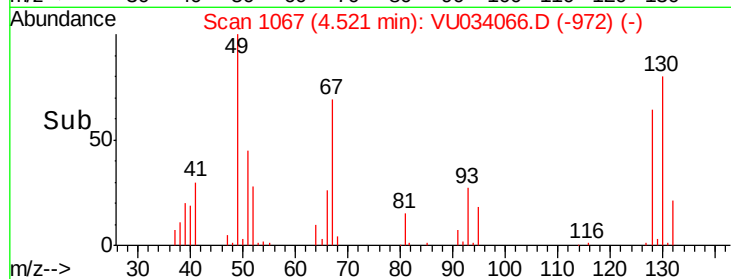
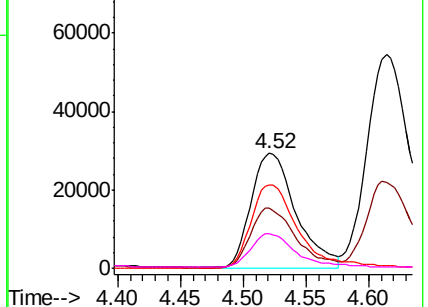


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 19.557 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034066.D

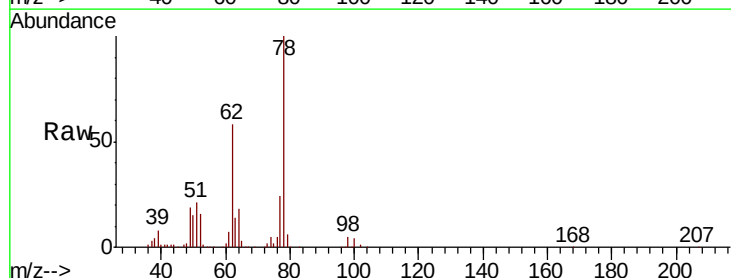
Acq: 29 Aug 2019 16:50

Tgt Ion: 62 Resp: 131781

Ion Ratio Lower Upper

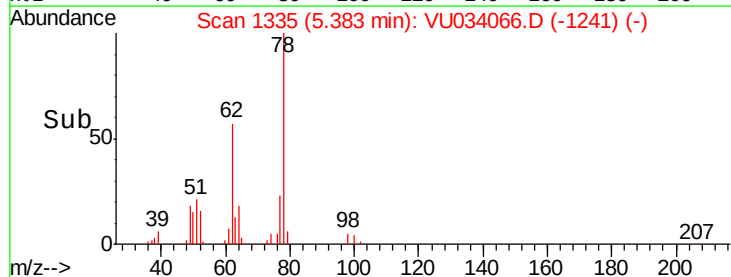
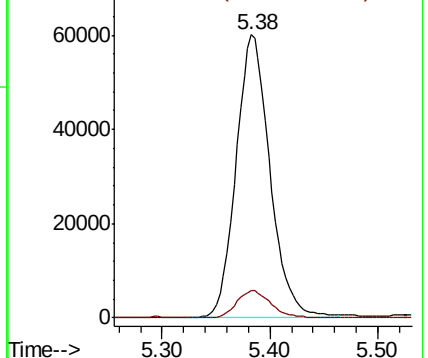
62 100

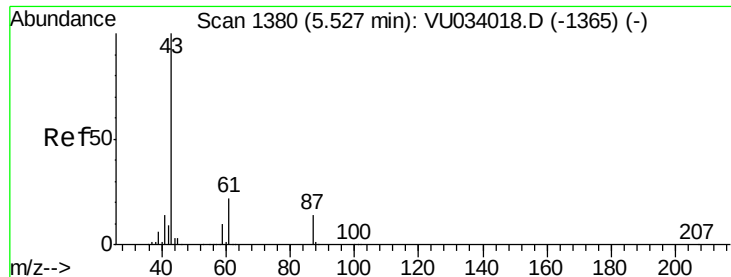
98 9.8 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 18.543 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

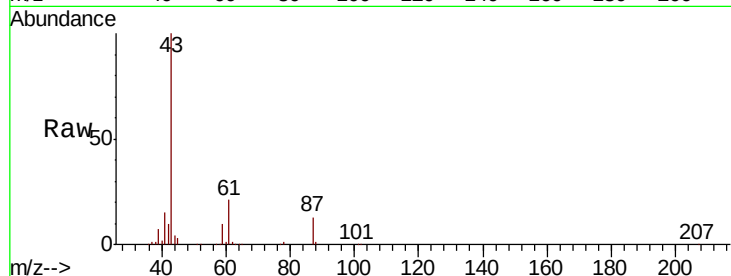
Tgt Ion: 43 Resp: 203751

Ion Ratio Lower Upper

43 100

61 21.3 17.2 25.8

87 13.7 10.8 16.2

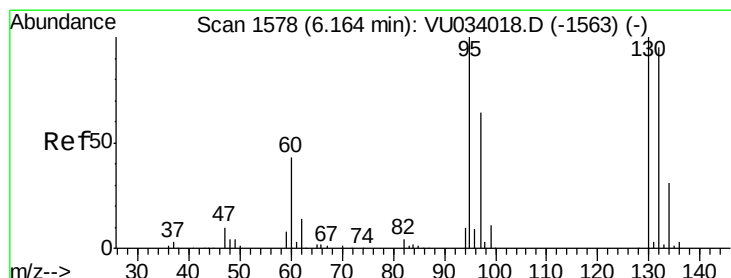
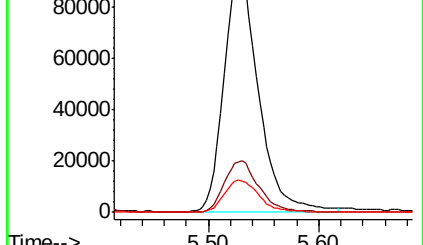
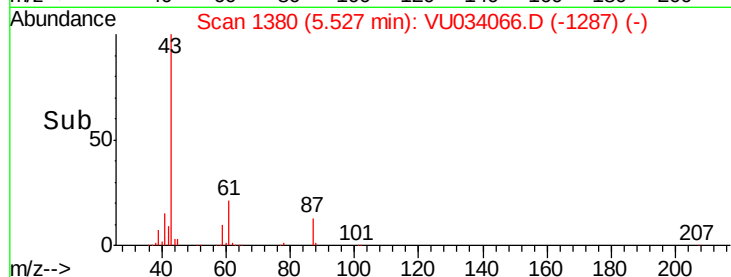


Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1365) (-)

Ion 61.00 (60.70 to 61.70): VU034018.D (-1365) (-)

Ion 87.00 (86.70 to 87.70): VU034018.D (-1365) (-)

Time-->



#44

Trichloroethene

Concen: 19.472 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034066.D

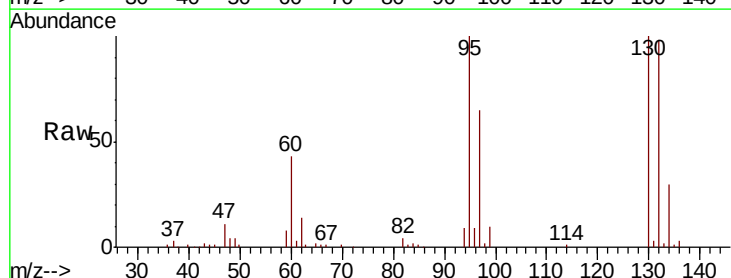
Acq: 29 Aug 2019 16:50

Tgt Ion: 130 Resp: 99780

Ion Ratio Lower Upper

130 100

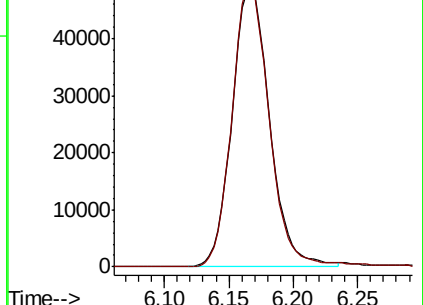
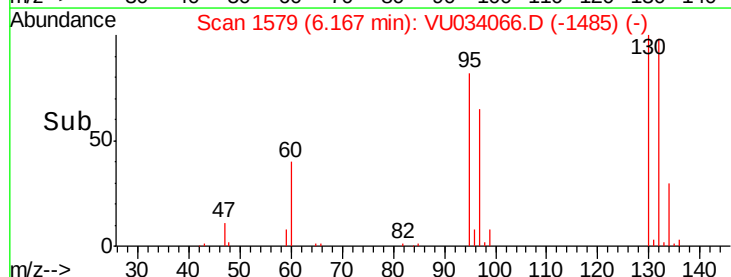
95 100.4 0.0 199.6

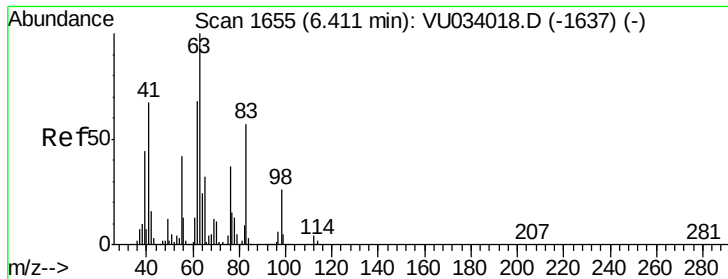


Abundance Ion 129.80 (129.50 to 130.50): VU034018.D (-1563) (-)

Ion 94.90 (94.60 to 95.60): VU034018.D (-1563) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.689 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

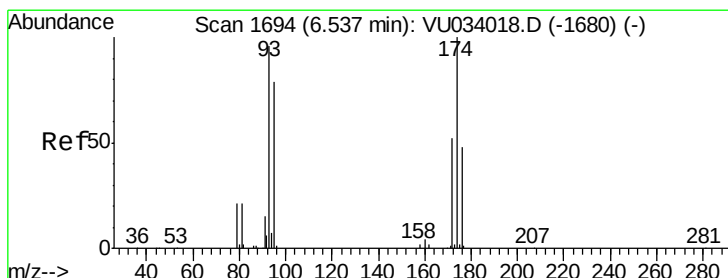
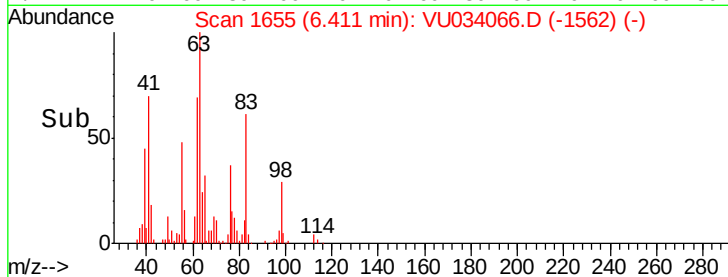
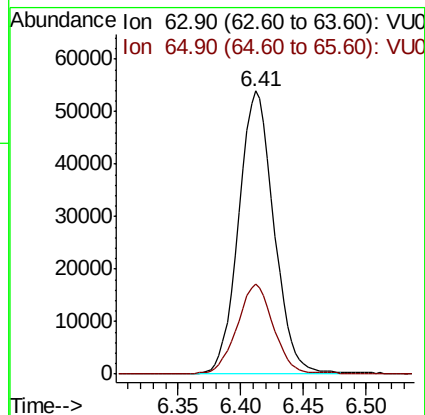
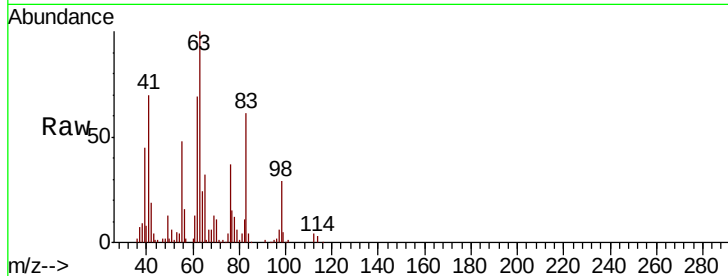
VU0830WBS01

Tgt Ion: 63 Resp: 105763

Ion Ratio Lower Upper

63 100

65 31.6 25.4 38.2



#46

Dibromomethane

Concen: 19.868 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

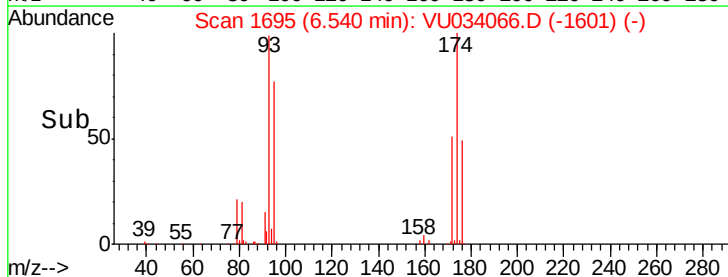
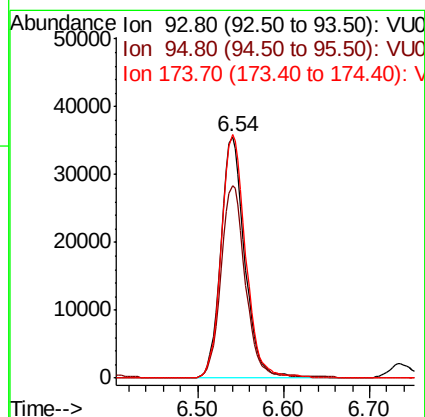
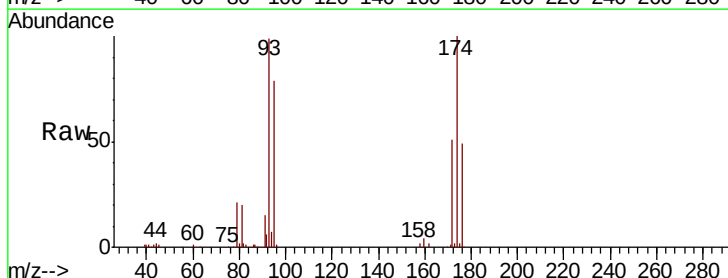
Tgt Ion: 93 Resp: 68756

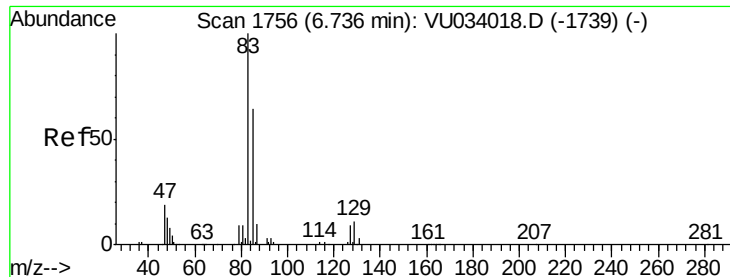
Ion Ratio Lower Upper

93 100

95 81.7 66.7 100.1

174 103.1 84.9 127.3





#47

Bromodichloromethane

Concen: 19.123 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

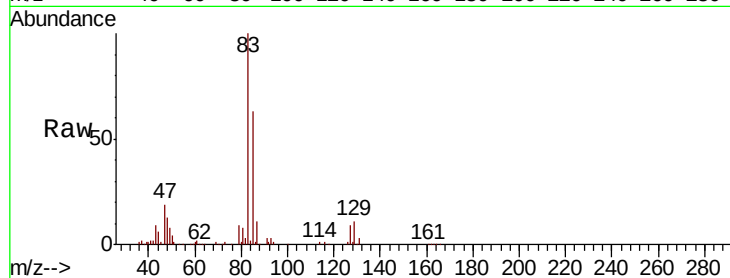
Tgt Ion: 83 Resp: 129479

Ion Ratio Lower Upper

83 100

85 63.2 51.2 76.8

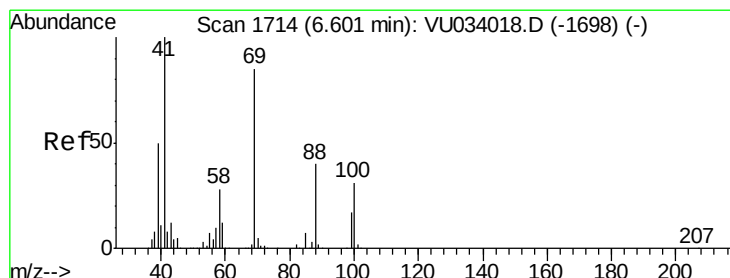
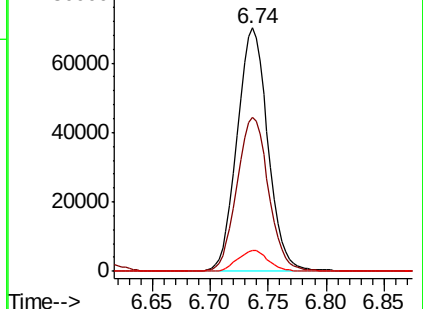
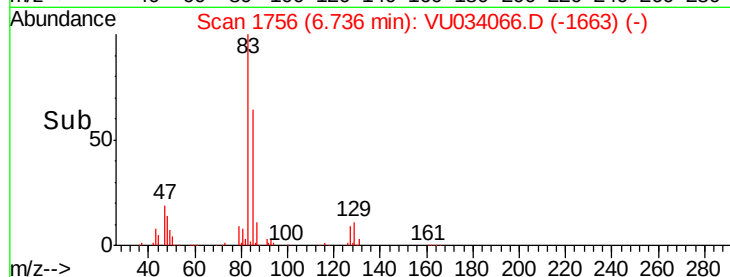
127 8.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VU034066.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034066.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034066.D (-1663) (-)



#48

Methyl methacrylate

Concen: 18.483 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

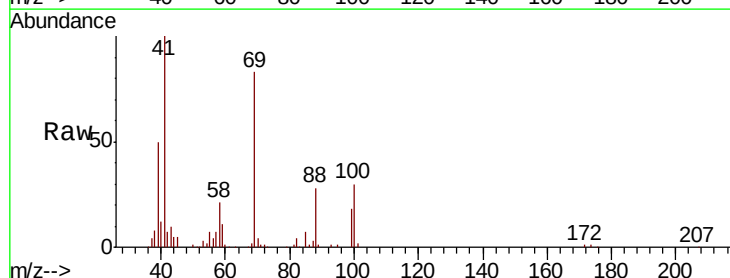
Tgt Ion: 41 Resp: 97999

Ion Ratio Lower Upper

41 100

69 87.4 69.5 104.3

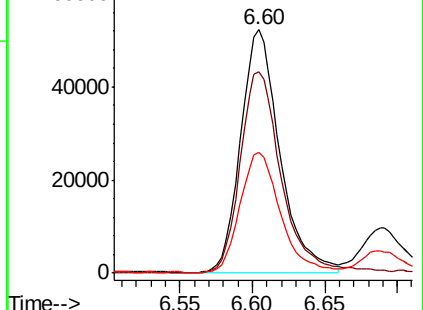
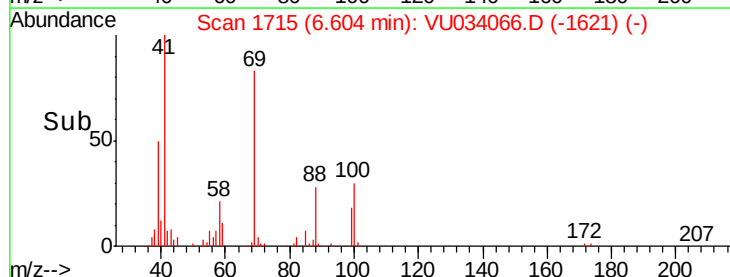
39 50.5 40.3 60.5

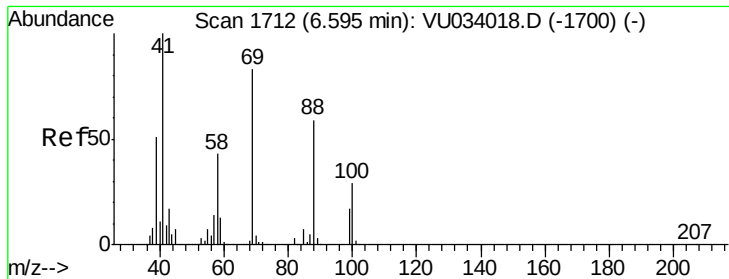


Abundance Ion 41.00 (40.70 to 41.70): VU034066.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034066.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034066.D (-1621) (-)





#49

1,4-Dioxane

Concen: 313.303 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

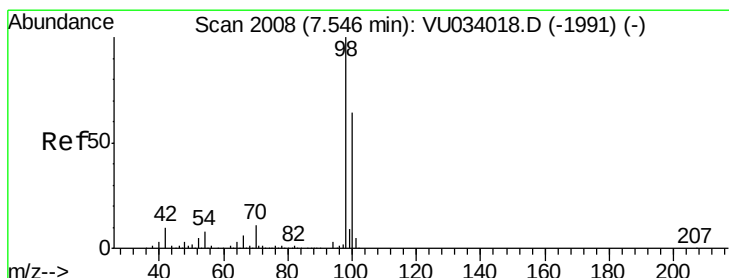
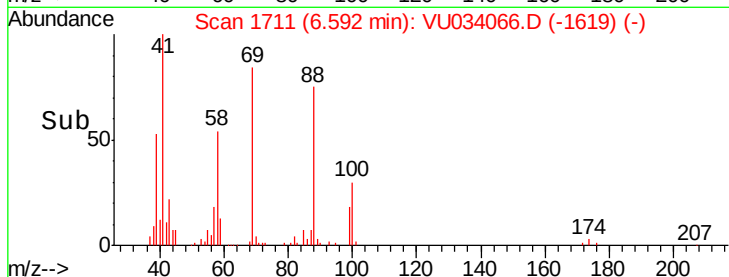
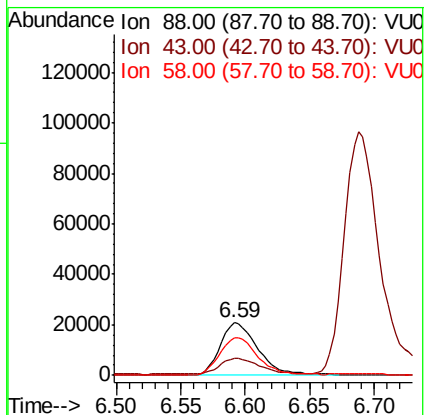
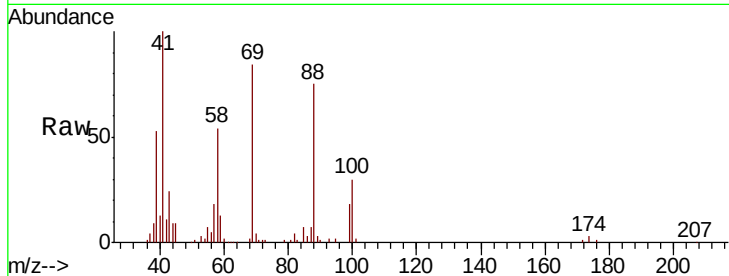
Tgt Ion: 88 Resp: 41622

Ion Ratio Lower Upper

88 100

43 32.1 24.8 37.2

58 74.9 59.3 88.9



#50

Toluene-d8

Concen: 47.676 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034066.D

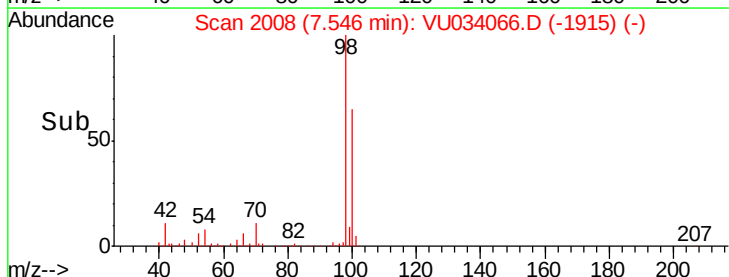
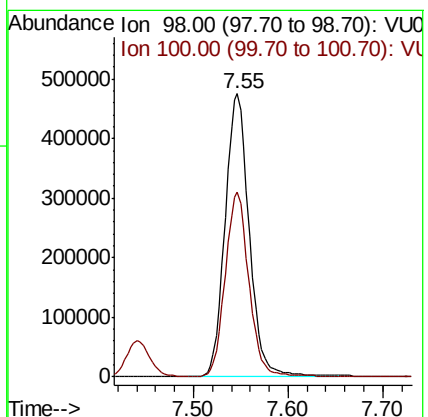
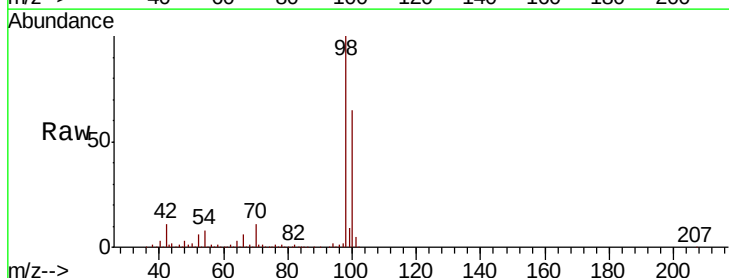
Acq: 29 Aug 2019 16:50

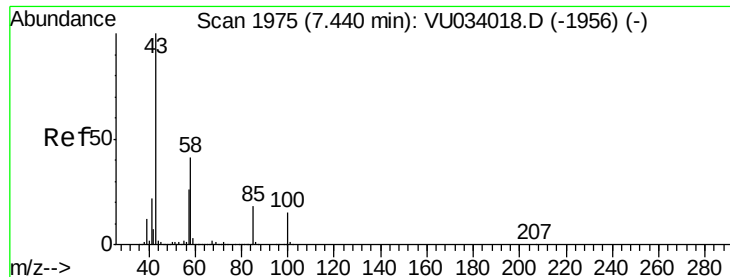
Tgt Ion: 98 Resp: 844278

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5

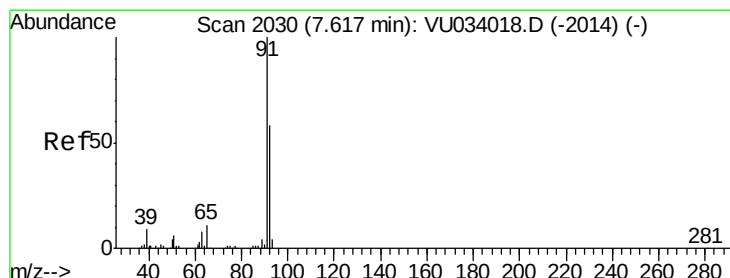
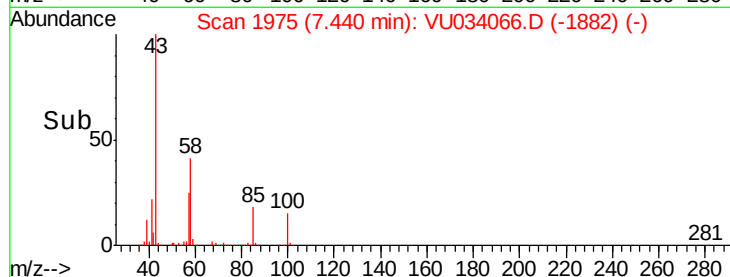
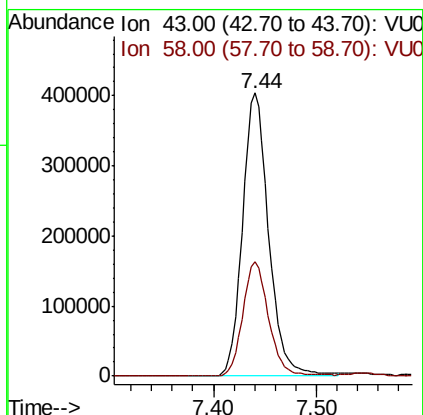
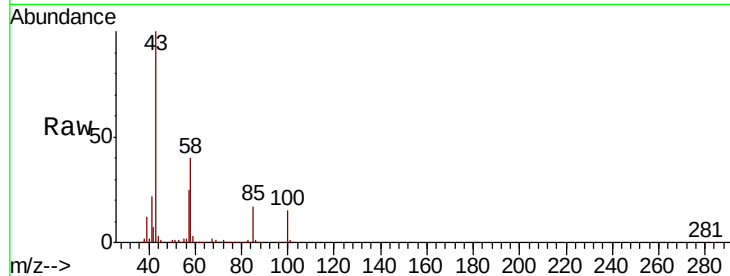




#51
 4-Methyl-2-Pentanone
 Concen: 93.616 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

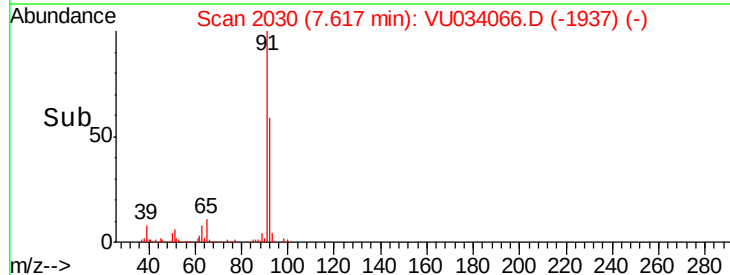
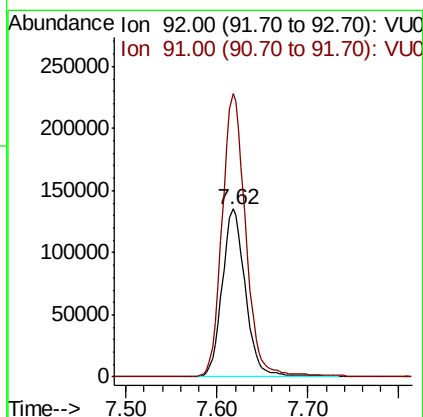
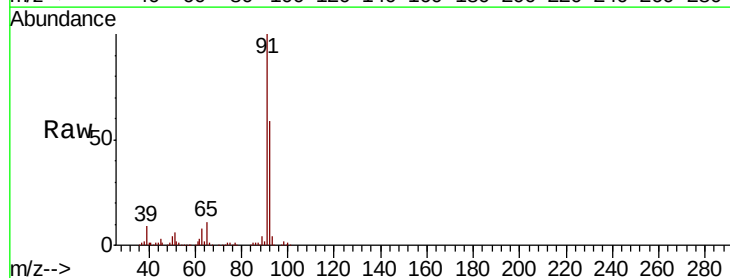
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

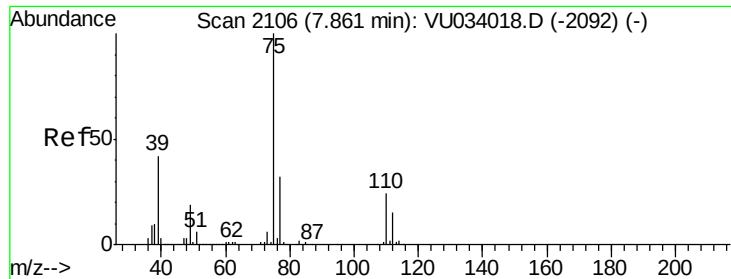
Tgt Ion: 43 Resp: 710379
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.2 48.4



#52
 Toluene
 Concen: 20.055 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 92 Resp: 241077
 Ion Ratio Lower Upper
 92 100
 91 171.1 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 18.104 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

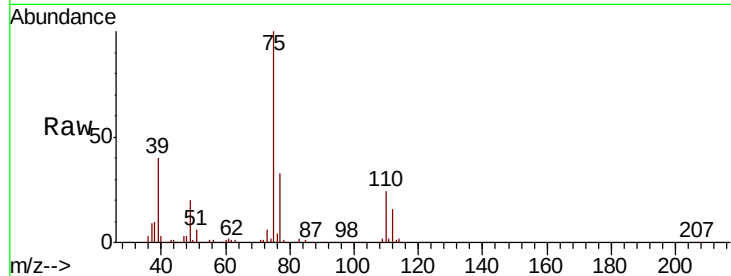
VU0830WBS01

Tgt Ion: 75 Resp: 136016

Ion Ratio Lower Upper

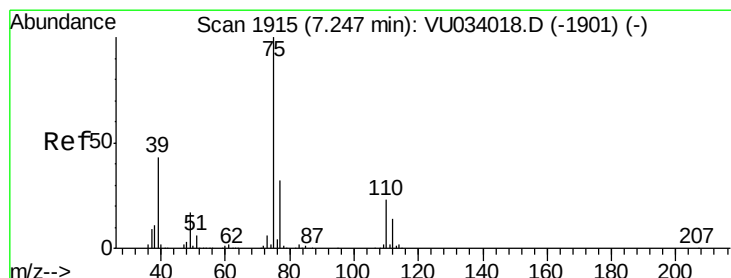
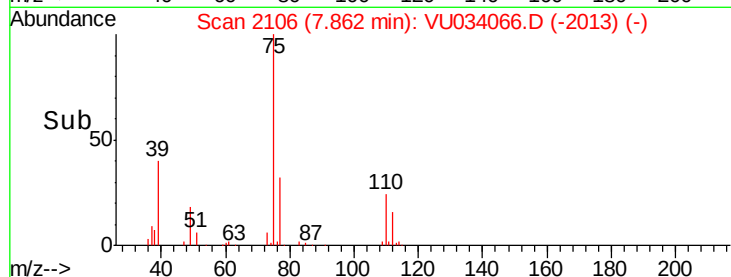
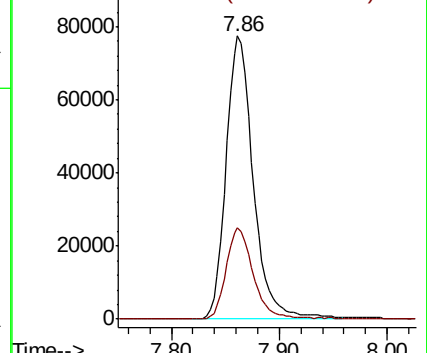
75 100

77 32.5 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 18.839 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

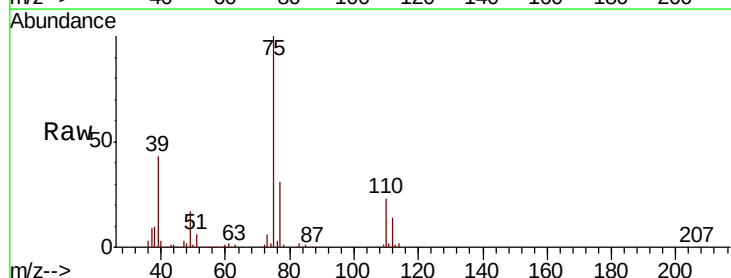
Tgt Ion: 75 Resp: 154627

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

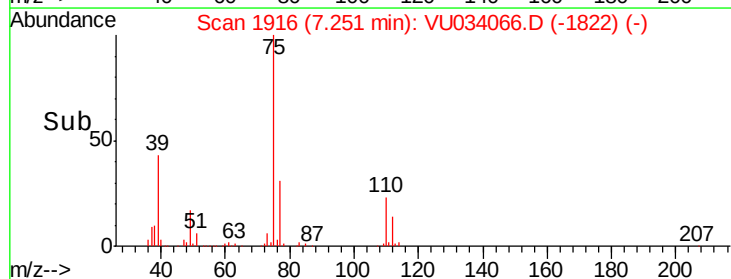
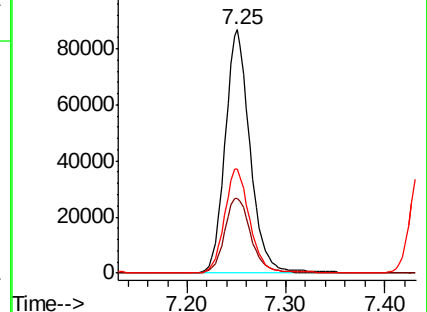
39 42.9 34.6 51.8

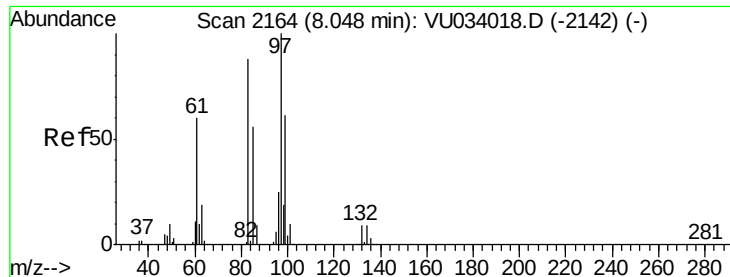


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 18.561 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

Tgt Ion: 97 Resp: 94378

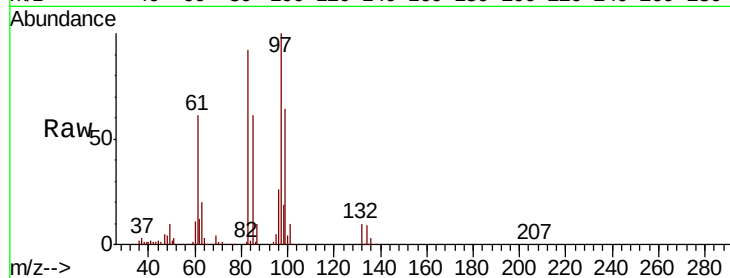
Ion Ratio Lower Upper

97 100

83 92.6 70.1 105.1

85 61.4 45.0 67.4

99 64.4 49.8 74.8

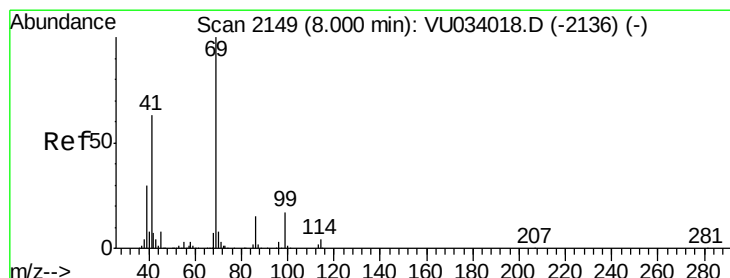
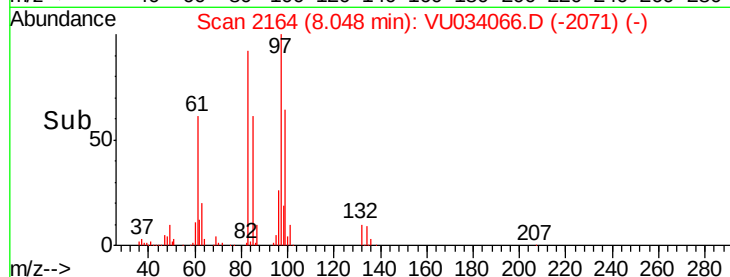
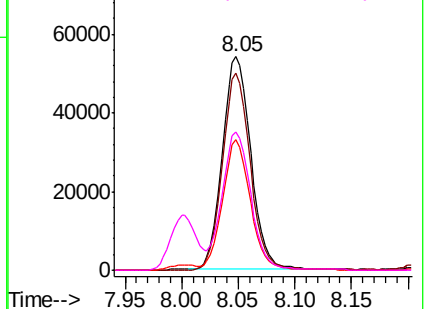


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 17.090 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

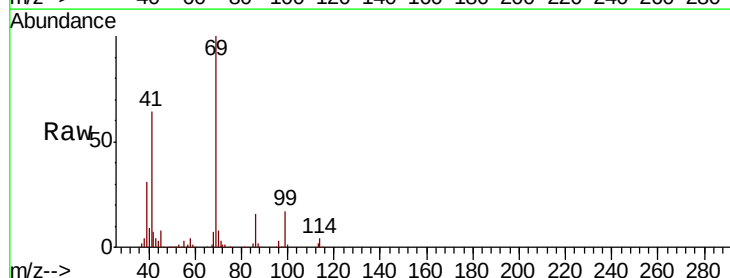
Tgt Ion: 69 Resp: 138637

Ion Ratio Lower Upper

69 100

41 64.3 50.7 76.1

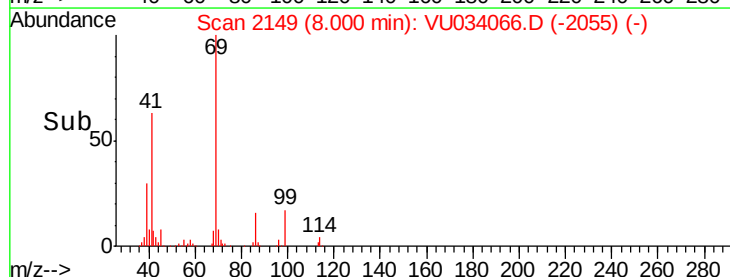
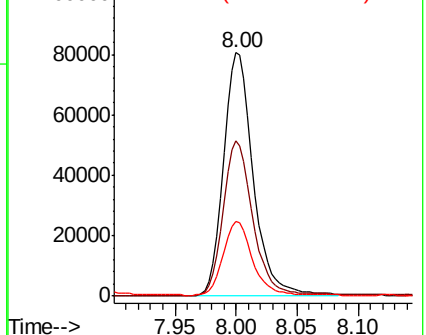
39 30.1 24.2 36.2

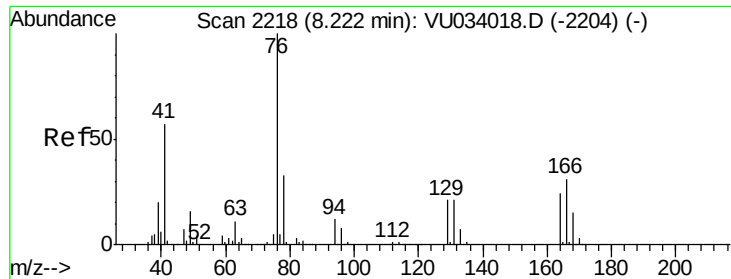


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

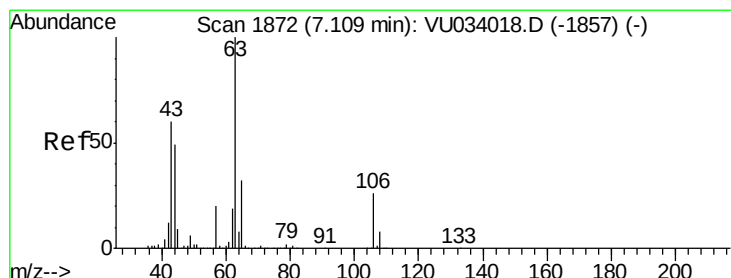
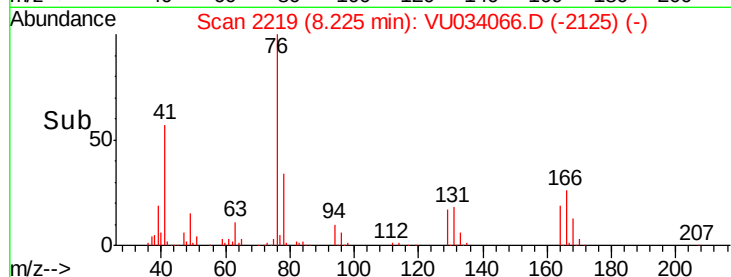
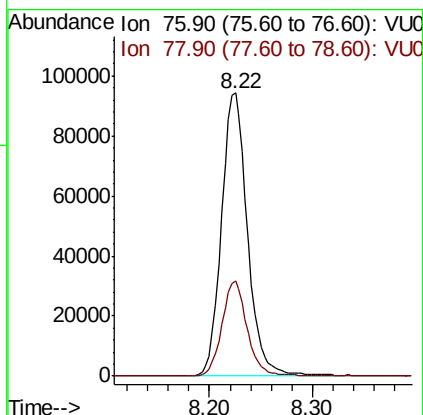
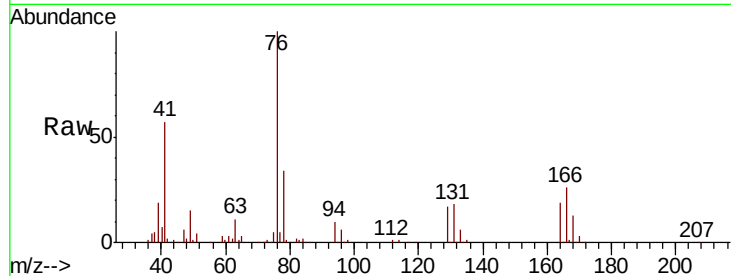




#57
 1,3-Dichloropropane
 Concen: 19.168 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

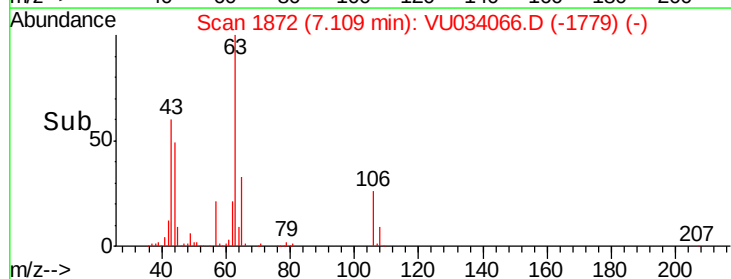
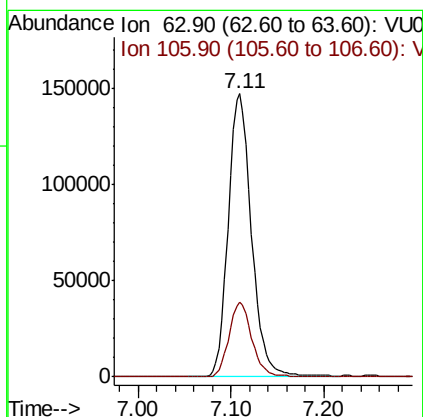
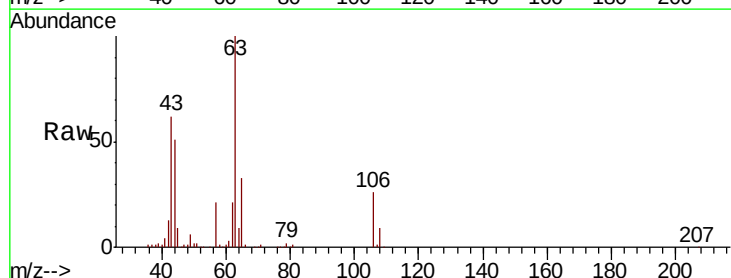
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

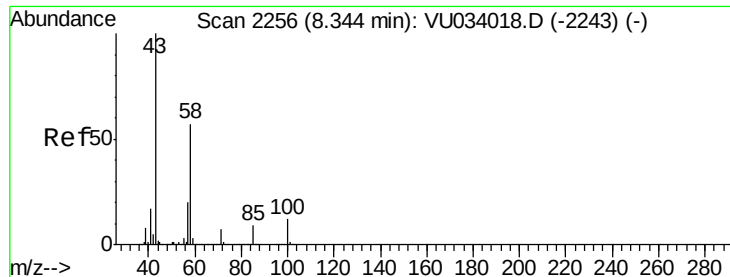
Tgt Ion: 76 Resp: 165489
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.191 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 63 Resp: 256519
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.7 31.1

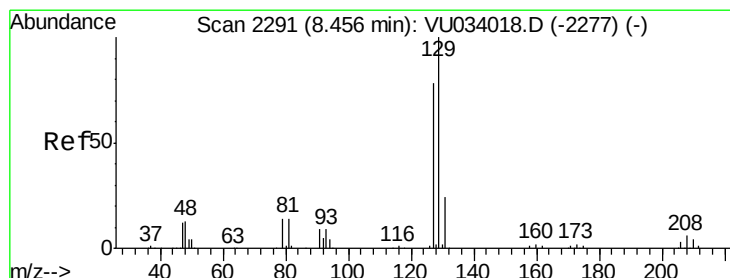
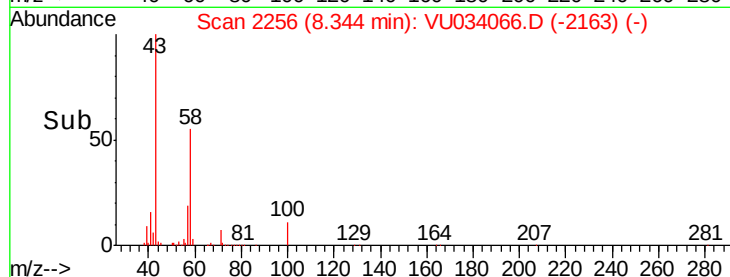
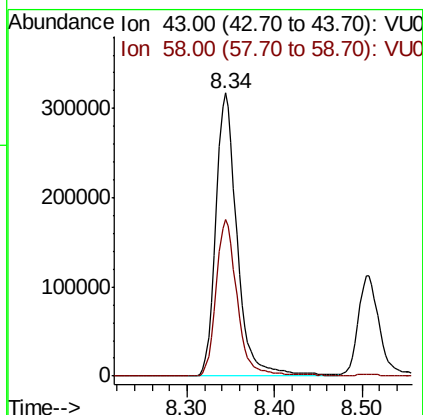
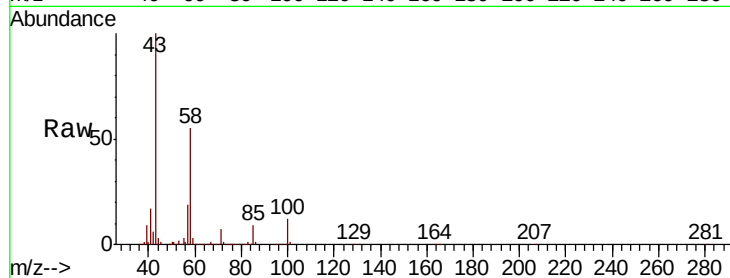




#59
 2-Hexanone
 Concen: 93.556 ug/l
 RT: 8.34 min Scan# 2256
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

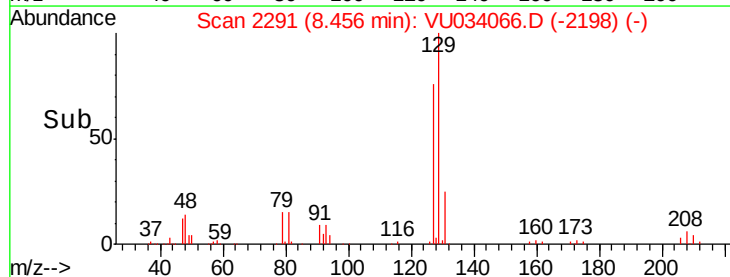
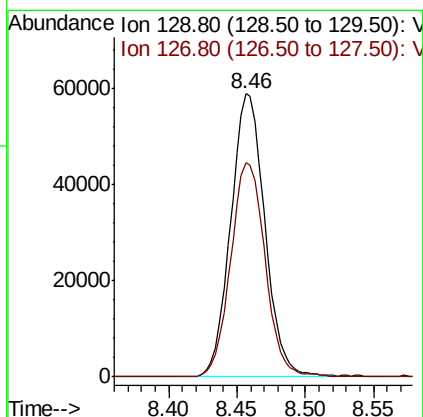
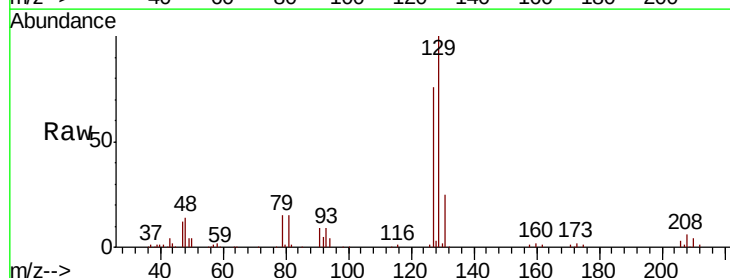
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

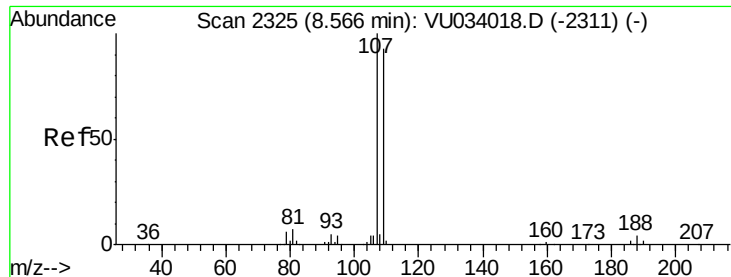
Tgt Ion: 43 Resp: 535932
 Ion Ratio Lower Upper
 43 100
 58 55.5 28.4 85.3



#60
 Dibromochloromethane
 Concen: 18.733 ug/l
 RT: 8.46 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 129 Resp: 102248
 Ion Ratio Lower Upper
 129 100
 127 76.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.883 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

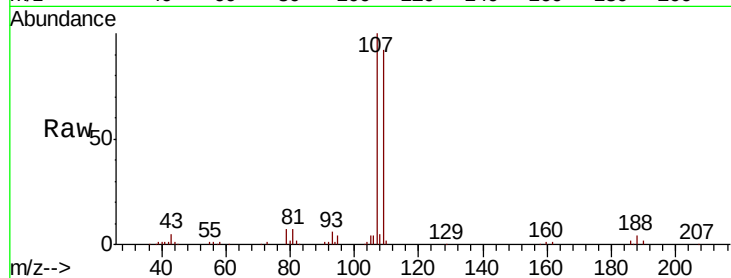
VU0830WBS01

Tgt Ion:107 Resp: 101143

Ion Ratio Lower Upper

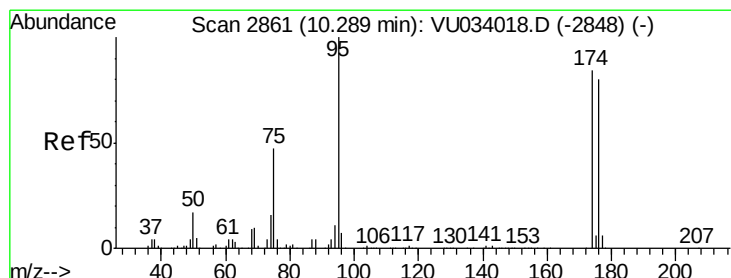
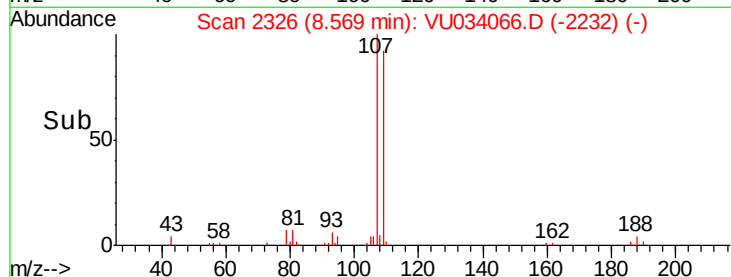
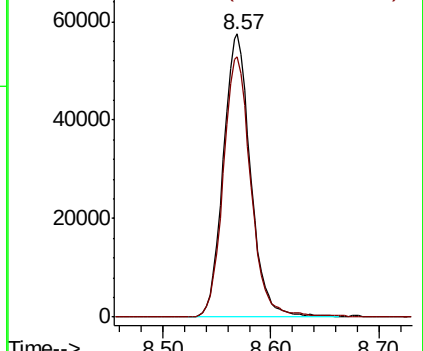
107 100

109 93.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.761 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

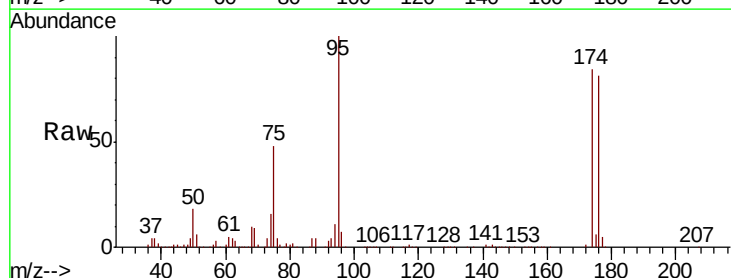
Tgt Ion: 95 Resp: 308335

Ion Ratio Lower Upper

95 100

174 83.7 0.0 168.8

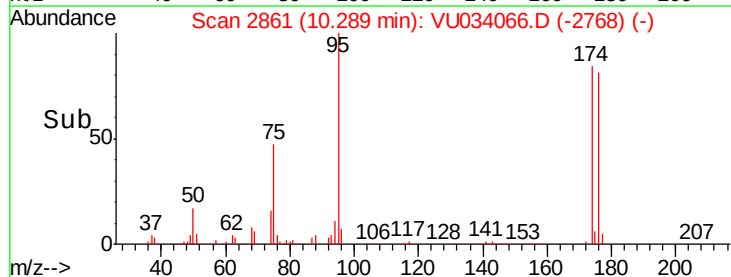
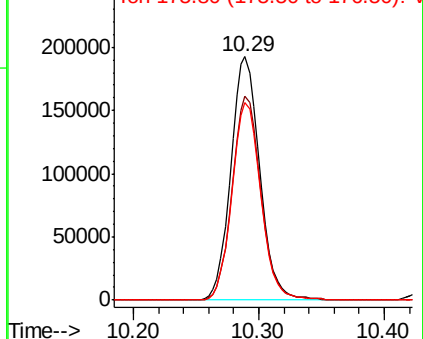
176 81.1 0.0 161.8

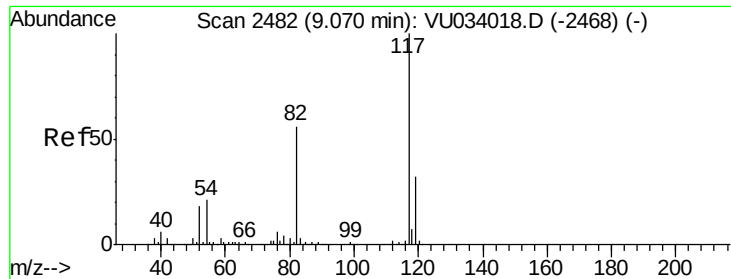


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

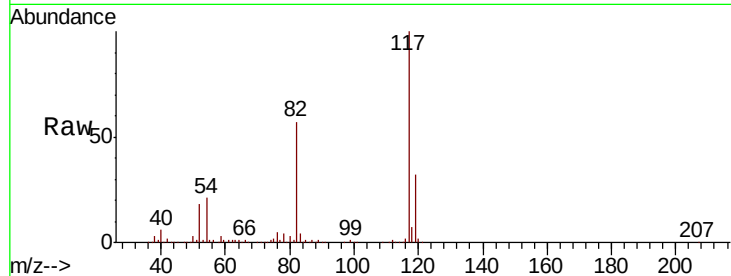




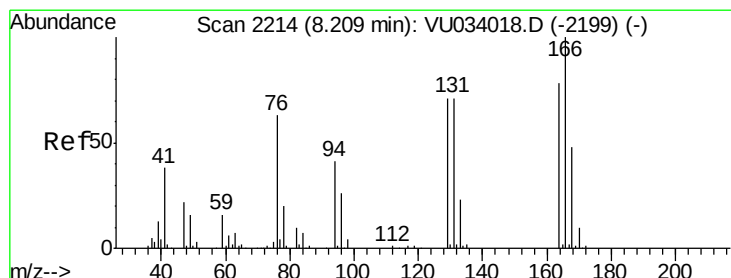
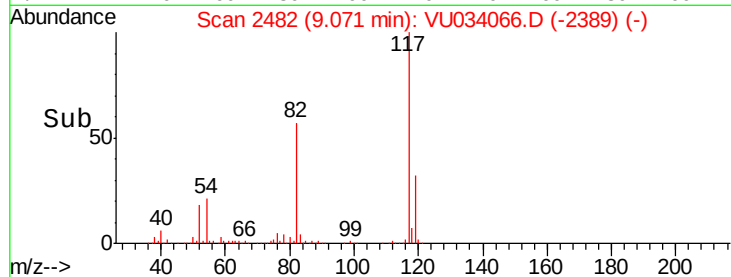
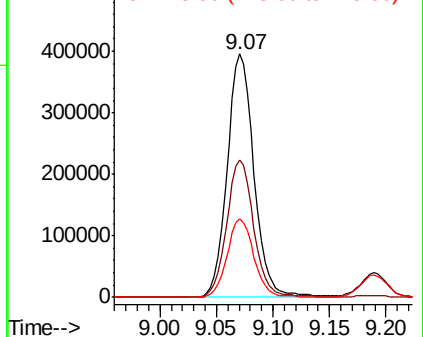
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tgt Ion:117 Resp: 653943
Ion Ratio Lower Upper
117 100
82 56.6 45.1 67.7
119 32.2 25.4 38.0

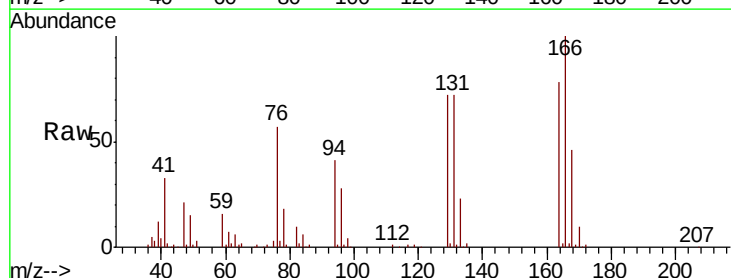


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

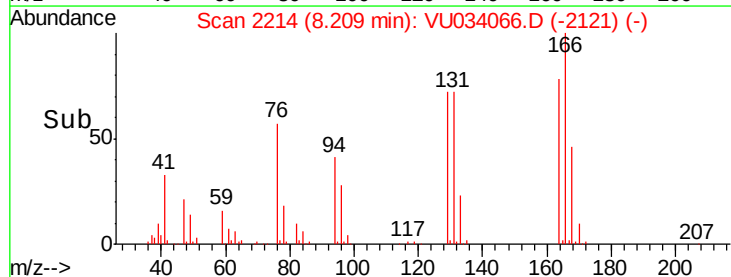
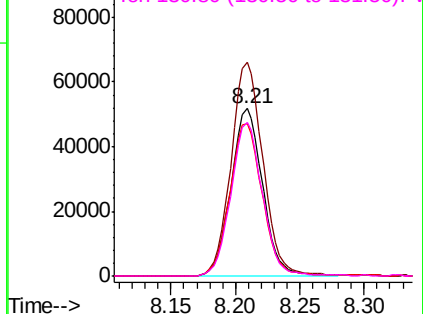


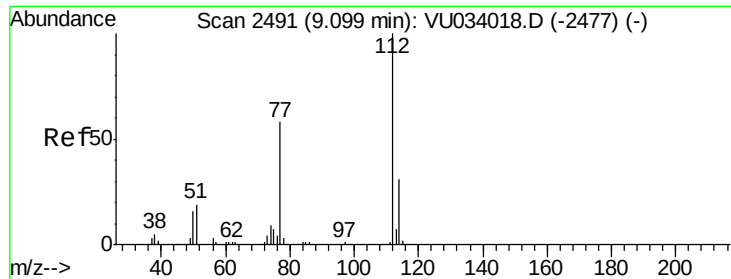
#64
Tetrachloroethene
Concen: 20.099 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion:164 Resp: 88270
Ion Ratio Lower Upper
164 100
166 127.6 102.2 153.2
129 91.3 72.4 108.6
131 92.0 72.1 108.1



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

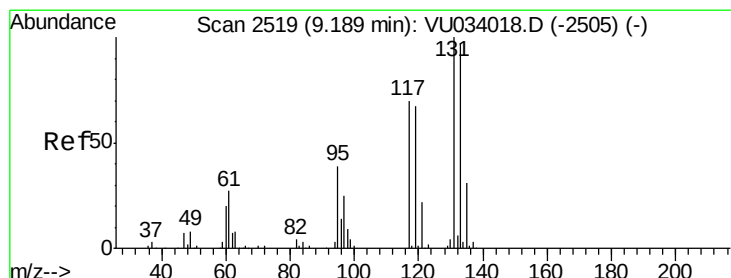
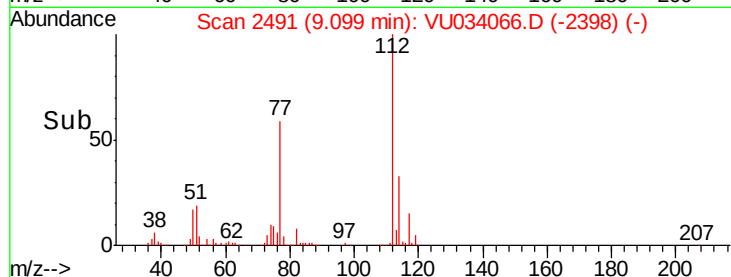
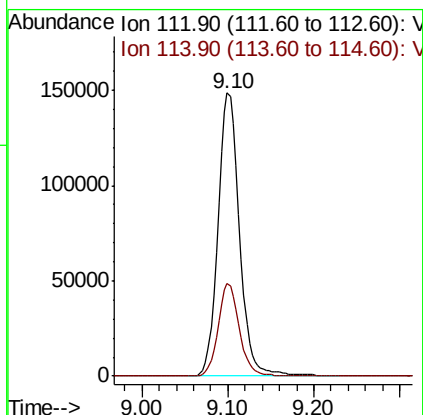
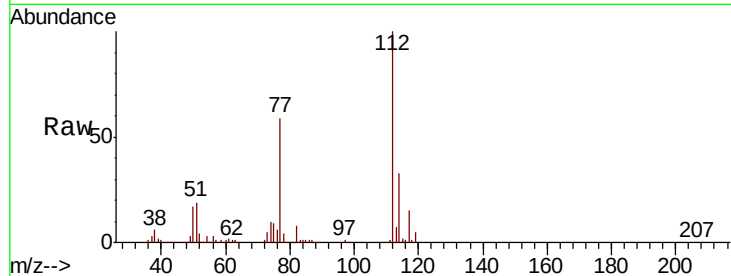




#65
Chlorobenzene
Concen: 19.212 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

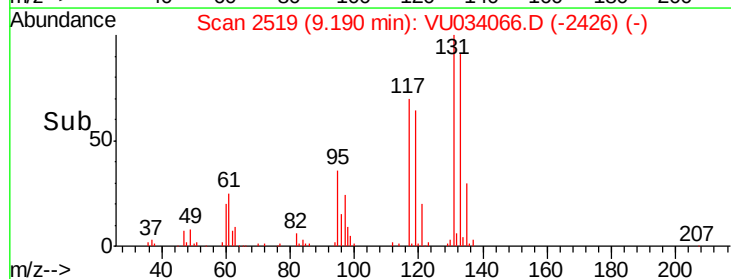
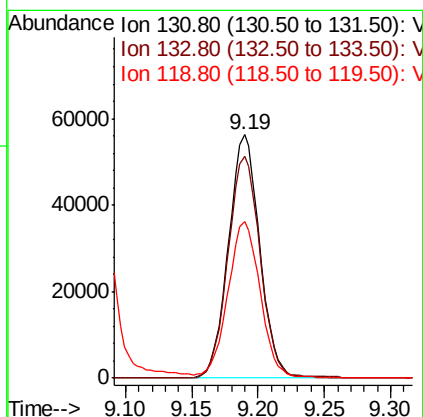
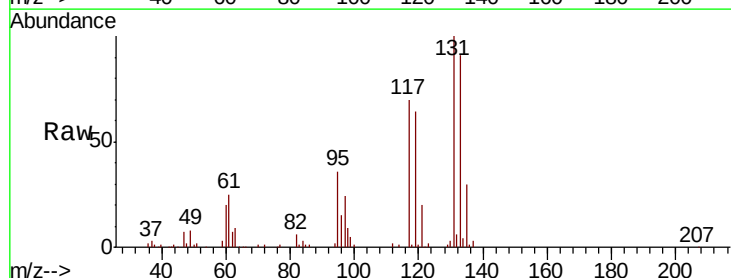
Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

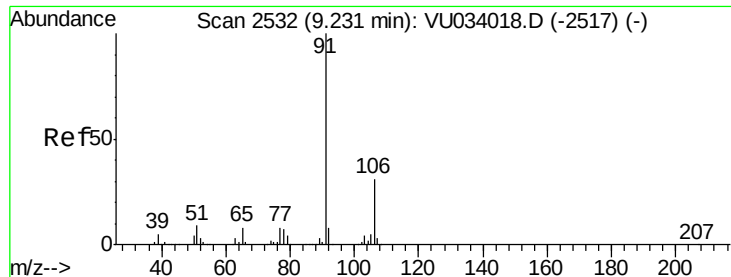
Tgt Ion:112 Resp: 258548
Ion Ratio Lower Upper
112 100
114 32.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.948 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion:131 Resp: 92465
Ion Ratio Lower Upper
131 100
133 93.6 48.4 145.2
119 66.8 33.6 100.6

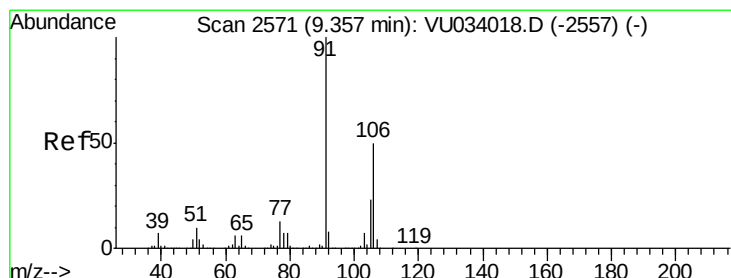
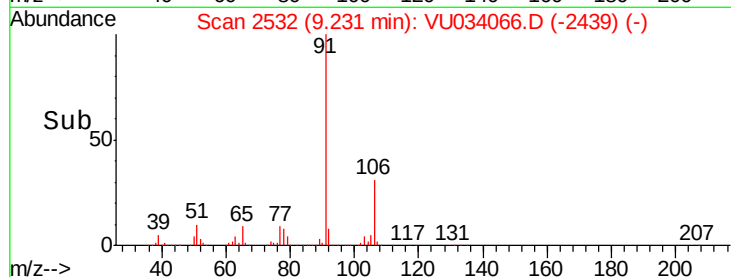
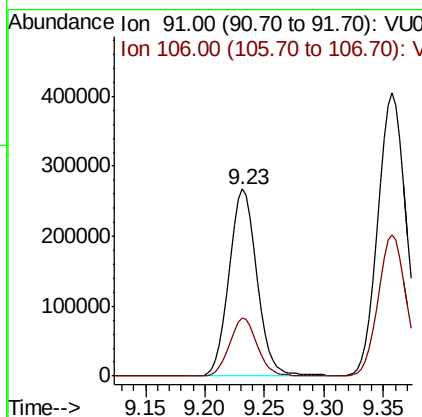
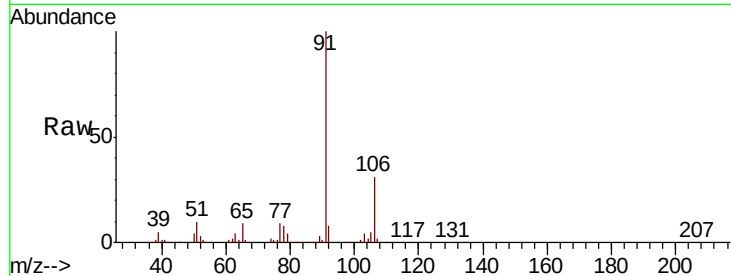




#67
 Ethyl Benzene
 Concen: 19.185 ug/l
 RT: 9.23 min Scan# 2532
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

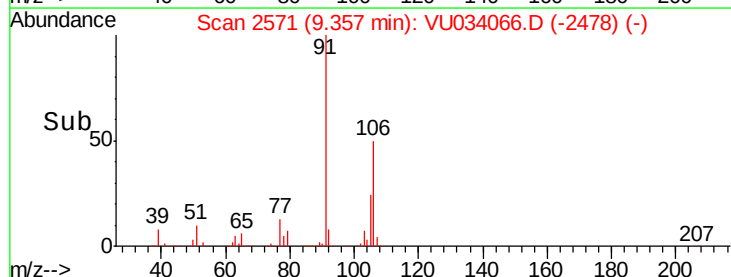
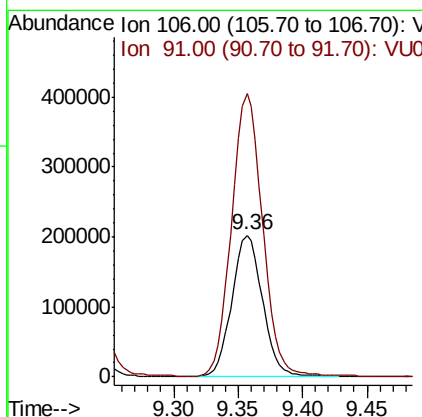
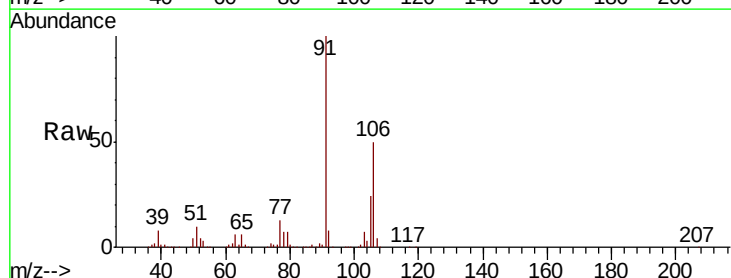
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

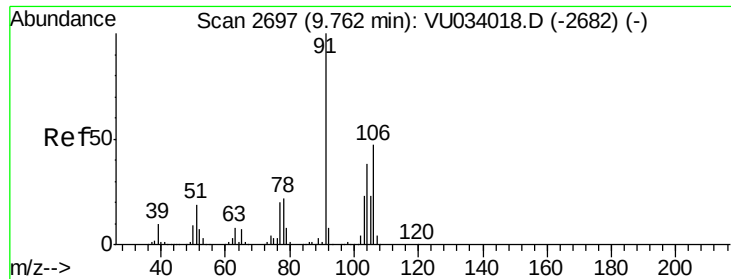
Tgt Ion: 91 Resp: 437657
 Ion Ratio Lower Upper
 91 100
 106 31.0 24.9 37.3



#68
 m/p-Xylenes
 Concen: 38.574 ug/l
 RT: 9.36 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion: 106 Resp: 334598
 Ion Ratio Lower Upper
 106 100
 91 203.5 161.6 242.4

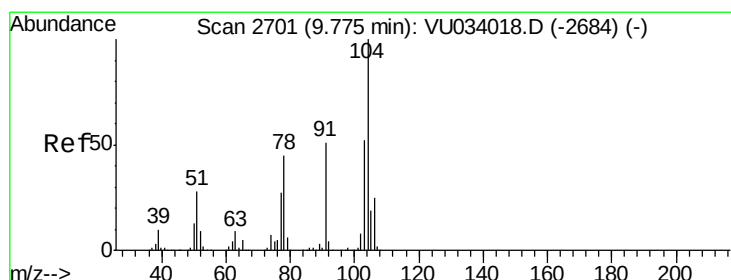
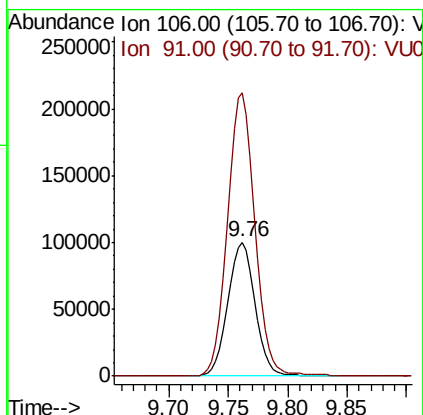
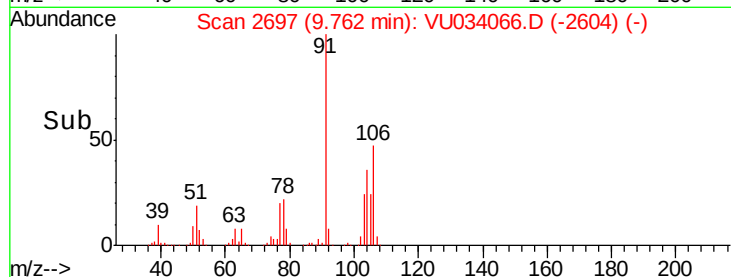
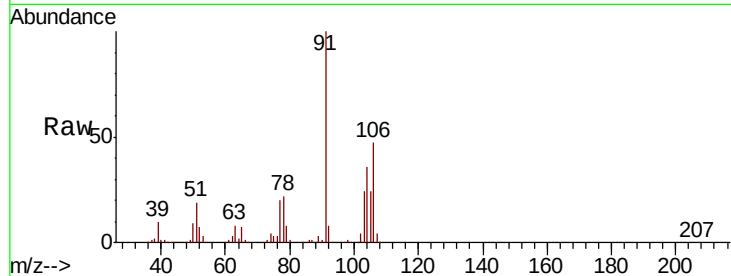




#69
o-Xylene
Concen: 19.135 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

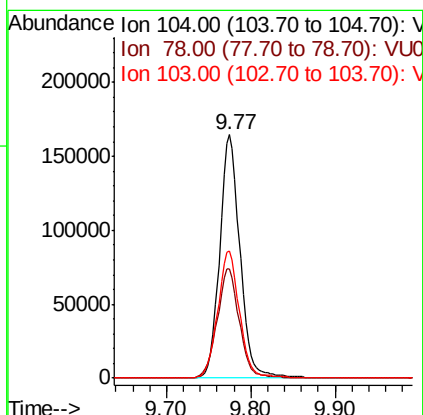
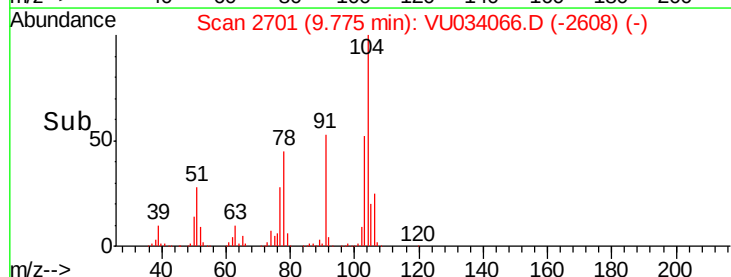
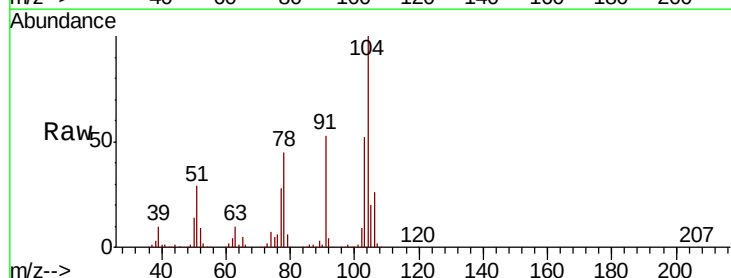
Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

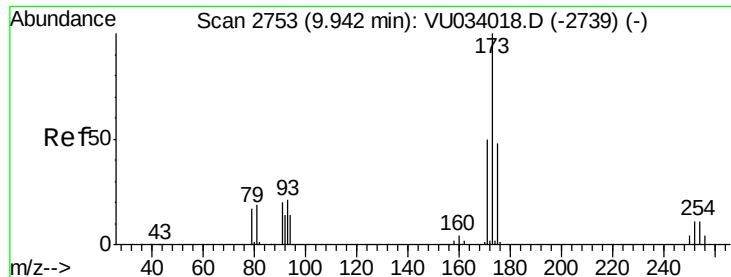
Tgt Ion:106 Resp: 159243
Ion Ratio Lower Upper
106 100
91 213.5 106.0 318.0



#70
Styrene
Concen: 19.367 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion:104 Resp: 276346
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.4
103 56.0 44.0 66.0





#71

Bromoform

Concen: 17.907 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

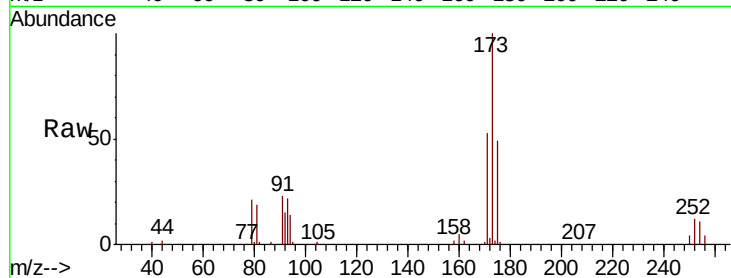
Tgt Ion:173 Resp: 75921

Ion Ratio Lower Upper

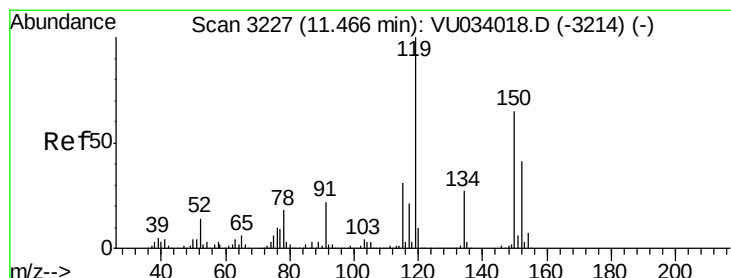
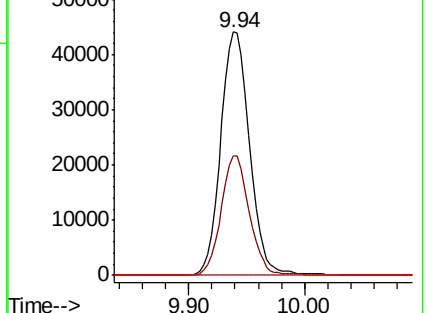
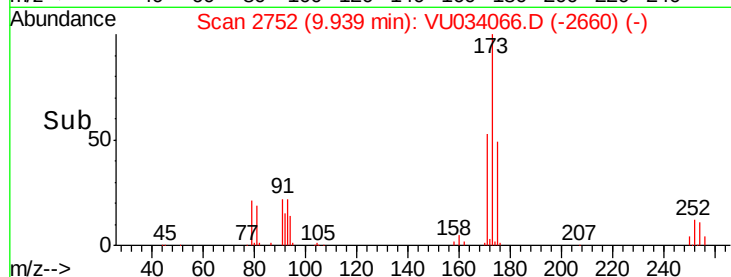
173 100

175 47.9 24.6 73.6

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: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

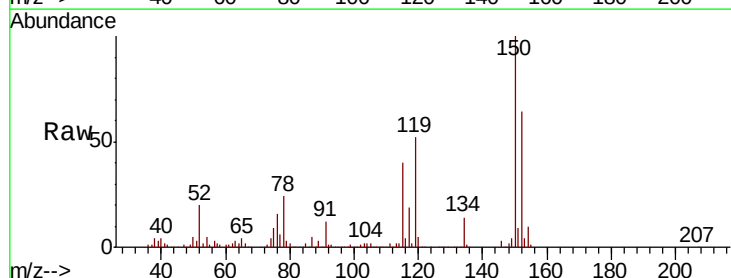
Tgt Ion:152 Resp: 350657

Ion Ratio Lower Upper

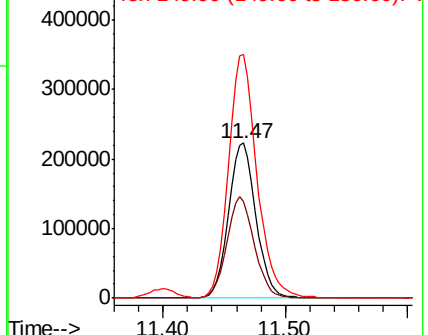
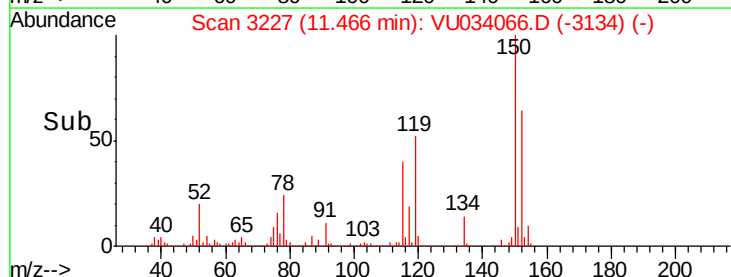
152 100

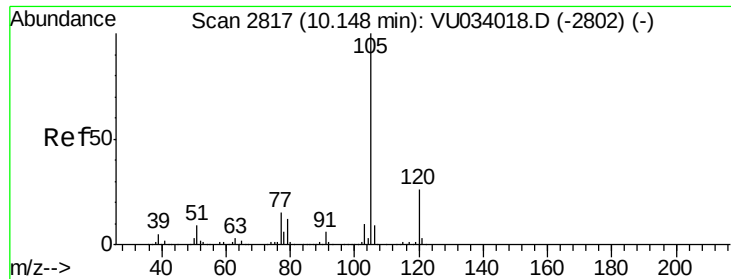
115 65.6 41.1 123.3

150 162.2 0.0 348.8



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: 18.261 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

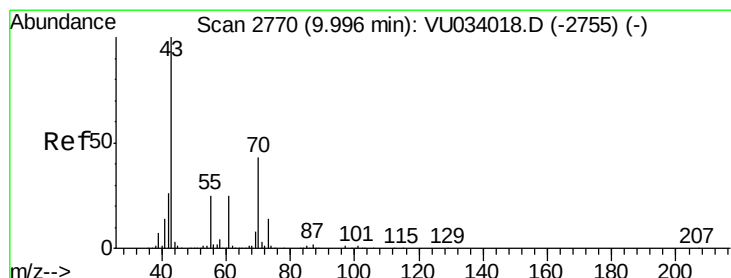
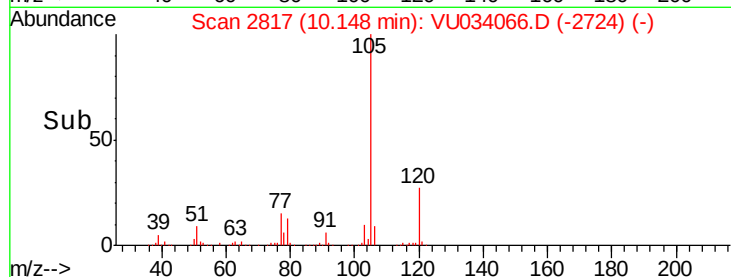
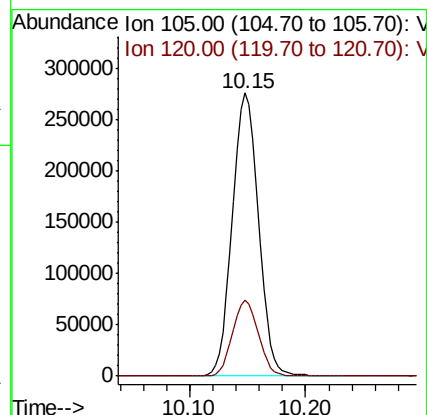
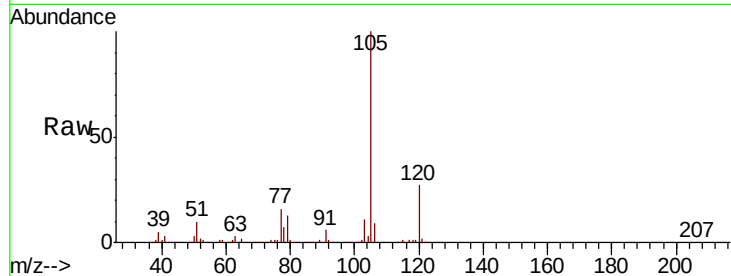
VU0830WBS01

Tgt Ion: 105 Resp: 430101

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 17.675 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Tgt Ion: 43 Resp: 175090

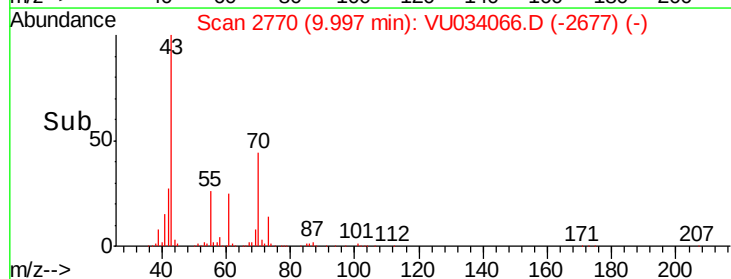
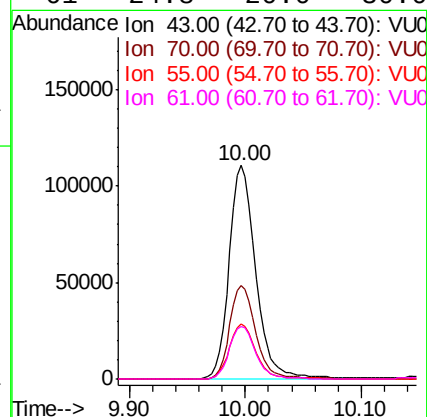
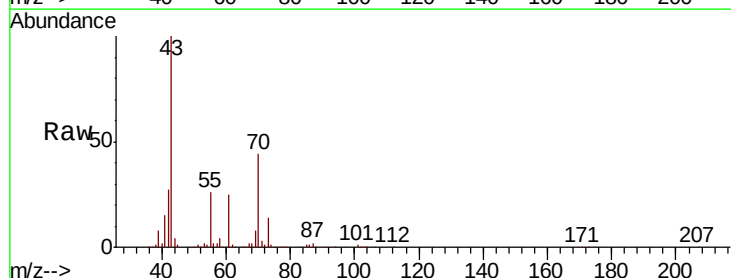
Ion Ratio Lower Upper

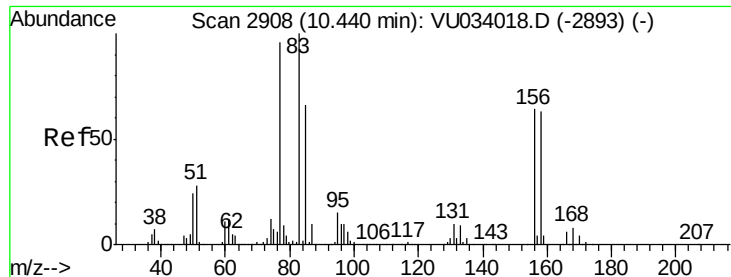
43 100

70 43.5 35.2 52.8

55 26.3 20.5 30.7

61 24.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.953 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

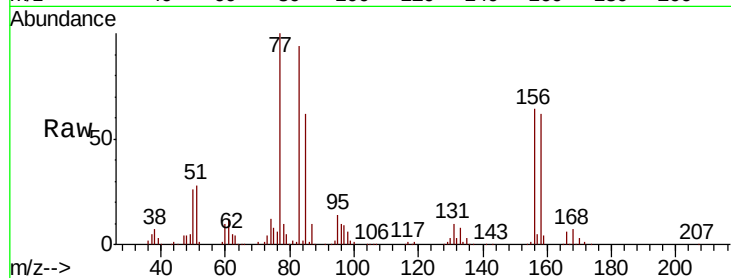
Tgt Ion: 83 Resp: 161847

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

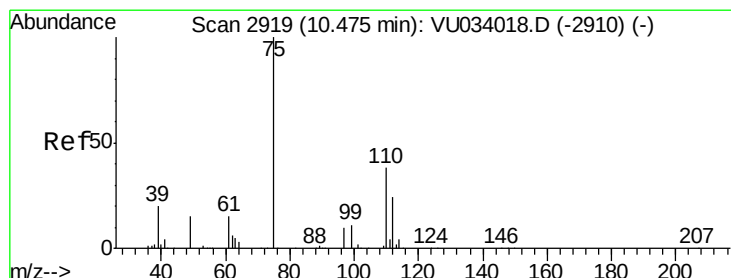
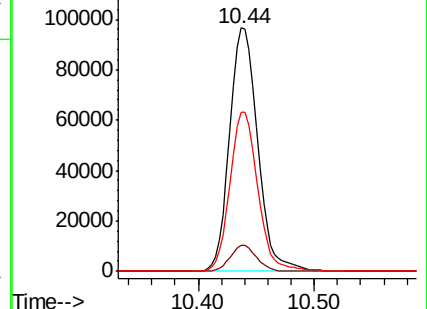
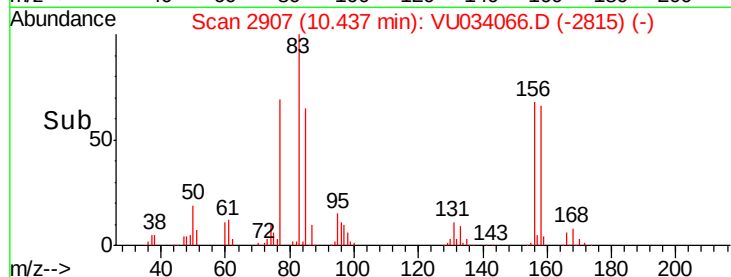
85 64.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VU034066.D (-2815) (-)

Ion 130.80 (130.50 to 131.50): VU034066.D (-2815) (-)

Ion 84.90 (84.60 to 85.60): VU034066.D (-2815) (-)



#76

1,2,3-Trichloropropane

Concen: 22.475 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034066.D

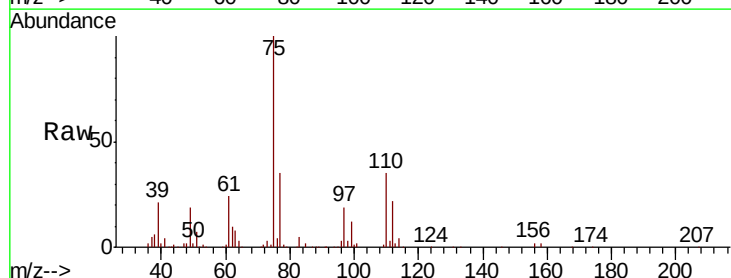
Acq: 29 Aug 2019 16:50

Tgt Ion: 75 Resp: 177628

Ion Ratio Lower Upper

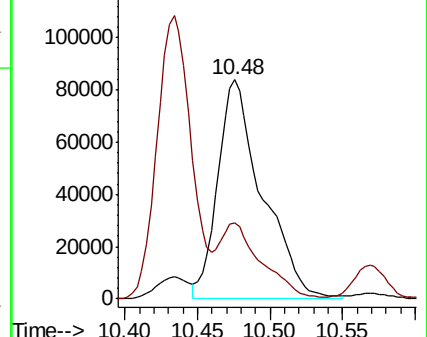
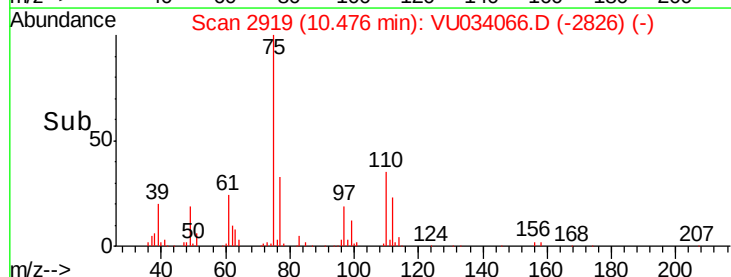
75 100

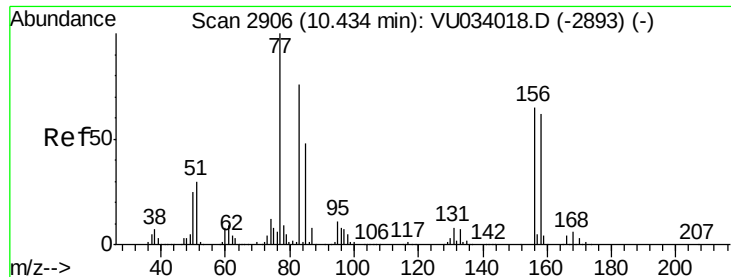
77 30.9 20.1 60.2



Abundance Ion 74.90 (74.60 to 75.60): VU034066.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034066.D (-2826) (-)





#77

Bromobenzene

Concen: 18.102 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

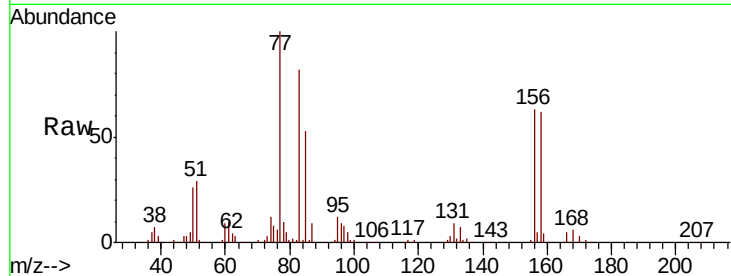
Tgt Ion:156 Resp: 114693

Ion Ratio Lower Upper

156 100

77 155.8 76.8 230.5

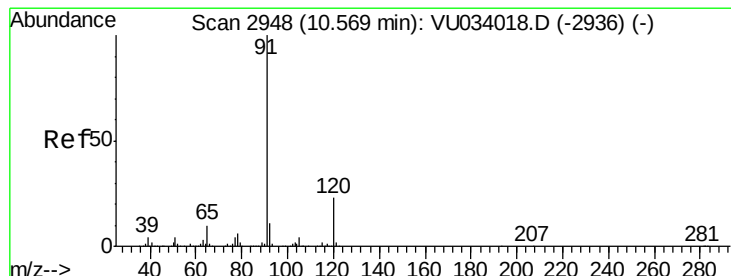
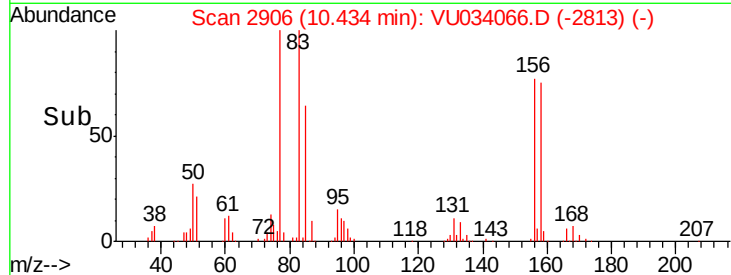
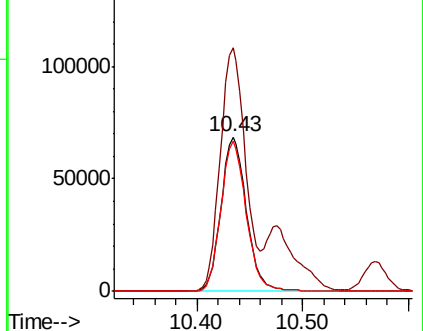
158 97.0 48.4 145.0



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: 18.349 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034066.D

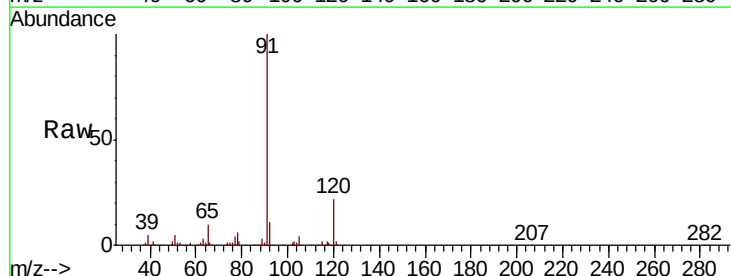
Acq: 29 Aug 2019 16:50

Tgt Ion: 91 Resp: 503318

Ion Ratio Lower Upper

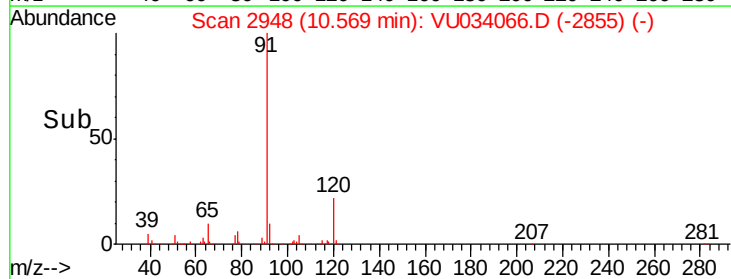
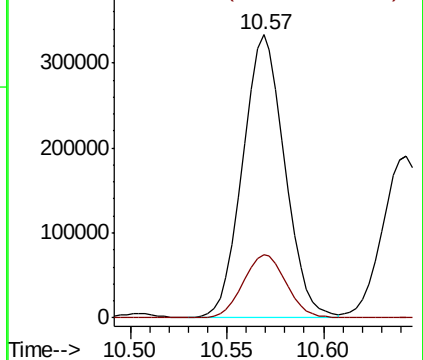
91 100

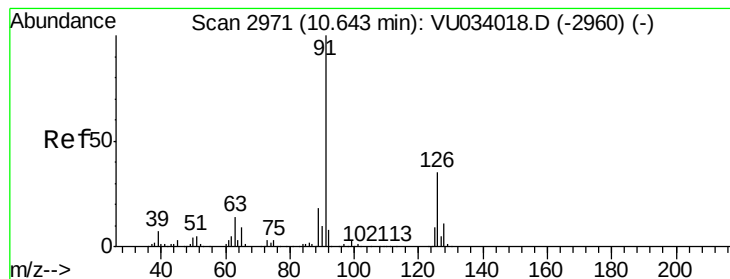
120 23.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.571 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

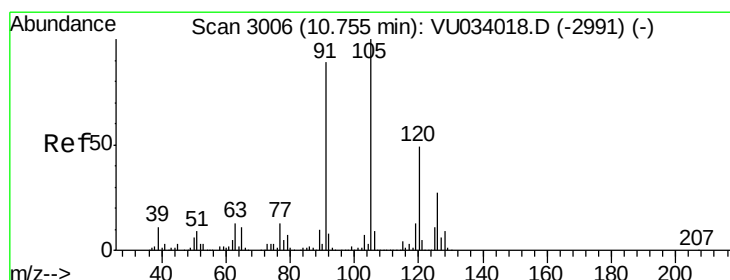
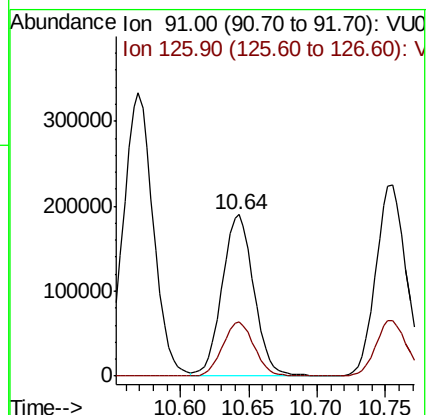
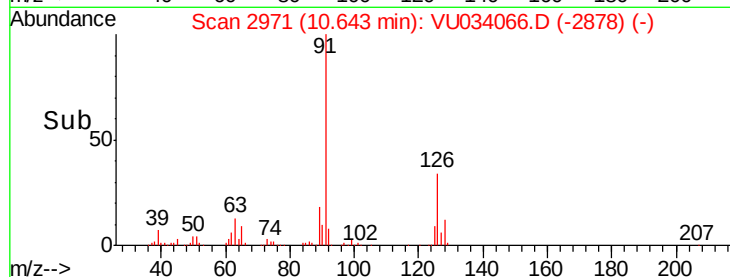
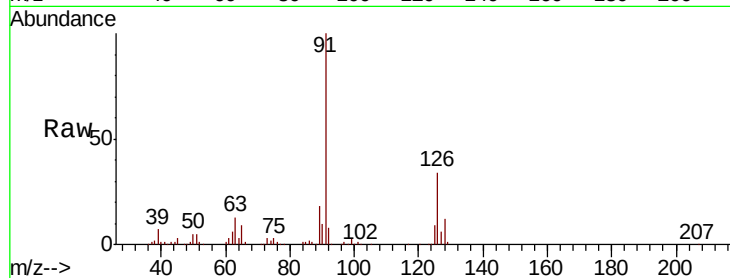
VU0830WBS01

Tgt Ion: 91 Resp: 305541

Ion Ratio Lower Upper

91 100

126 33.6 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 18.807 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034066.D

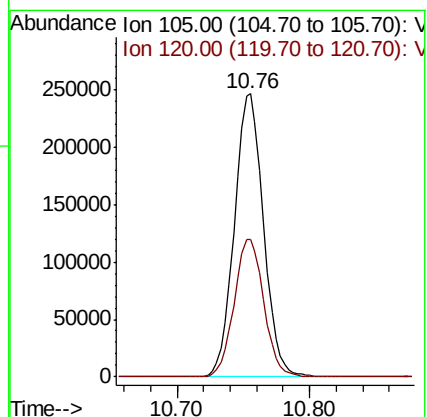
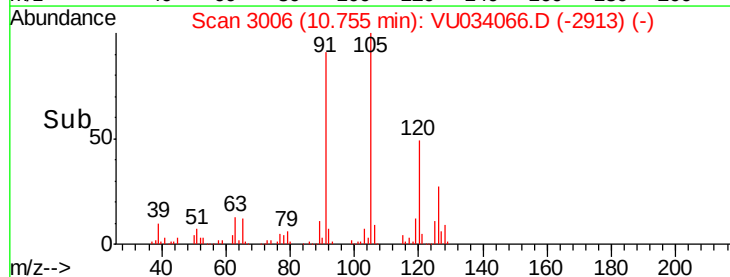
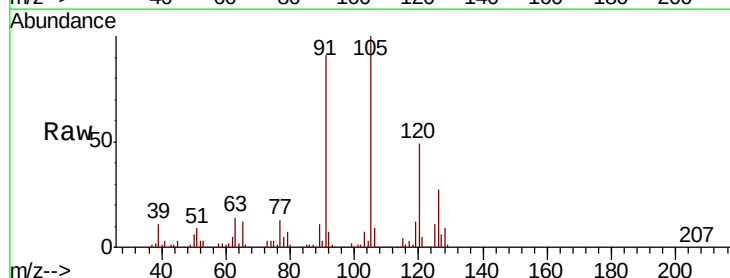
Acq: 29 Aug 2019 16:50

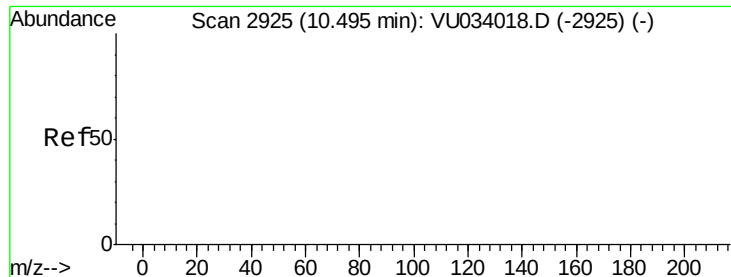
Tgt Ion: 105 Resp: 375436

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 75.680 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU034066.D

Acq: 29 Aug 2019 16:50

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBS01

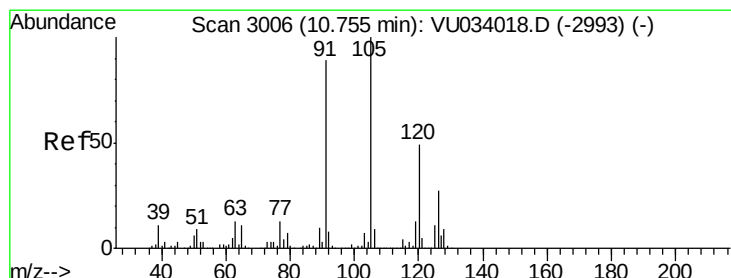
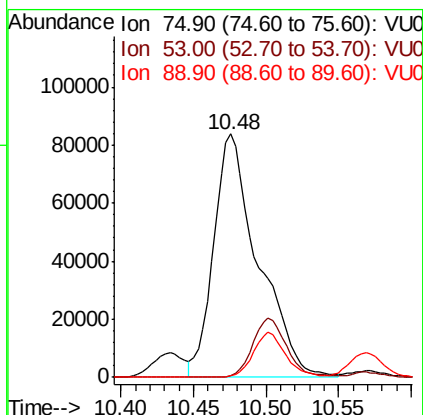
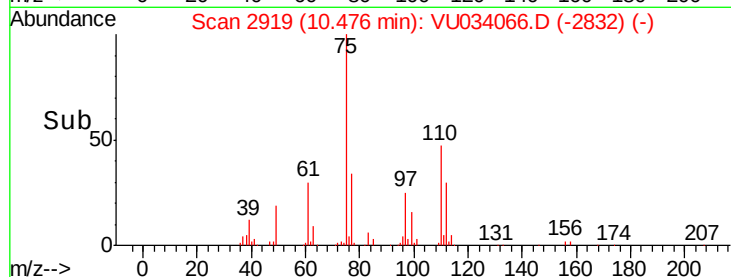
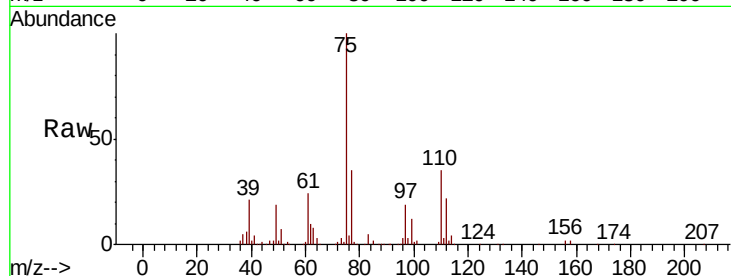
Tgt Ion: 75 Resp: 177628

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 18.507 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034066.D

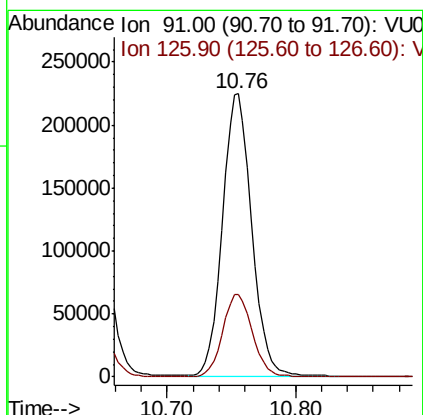
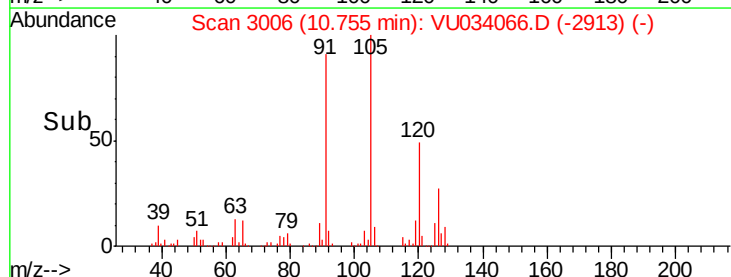
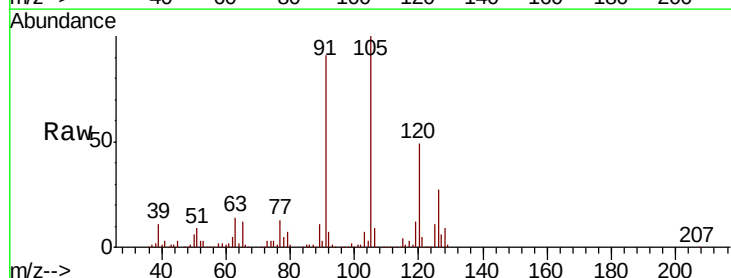
Acq: 29 Aug 2019 16:50

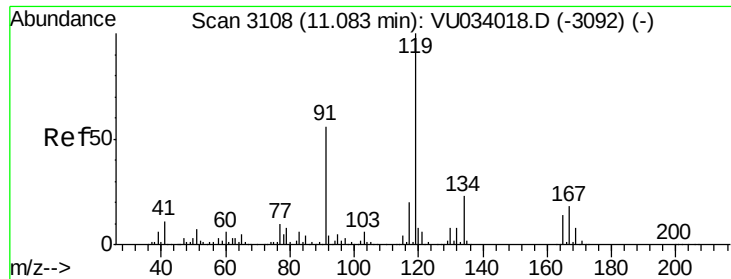
Tgt Ion: 91 Resp: 350195

Ion Ratio Lower Upper

91 100

126 29.8 15.0 45.1

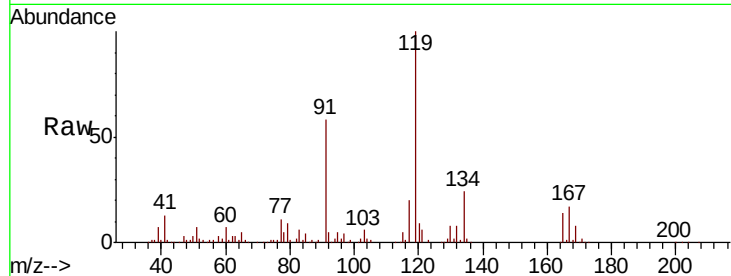




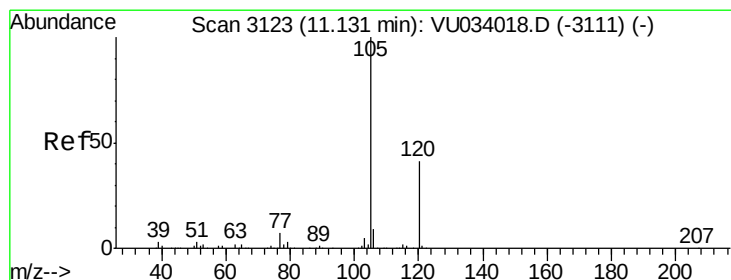
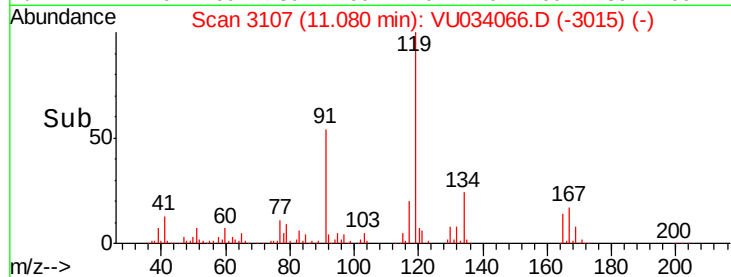
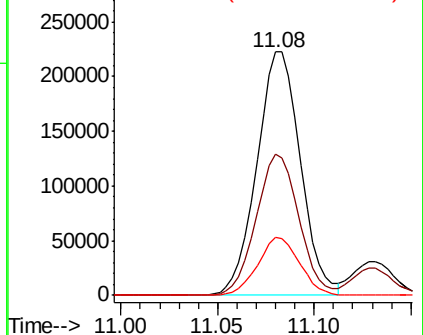
#83
 tert-Butylbenzene
 Concen: 17.784 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tgt Ion:119 Resp: 349486
 Ion Ratio Lower Upper
 119 100
 91 56.3 27.9 83.6
 134 22.8 11.4 34.2

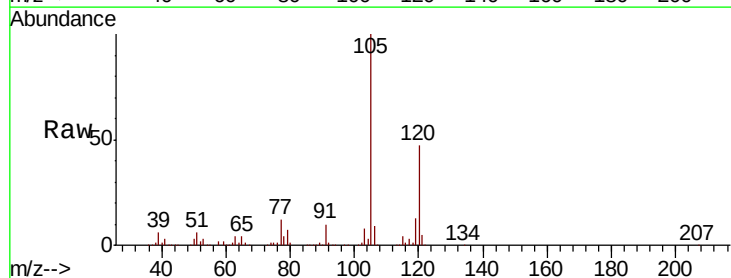


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

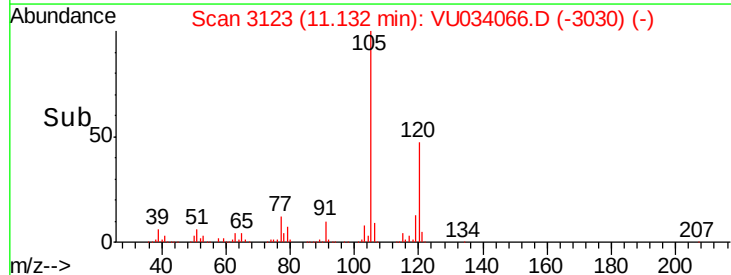
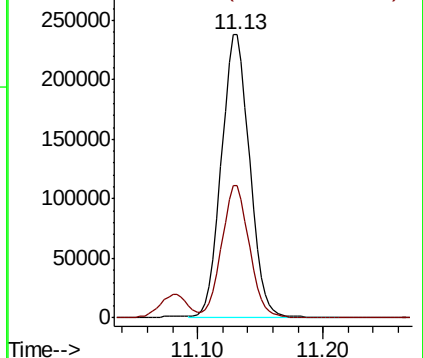


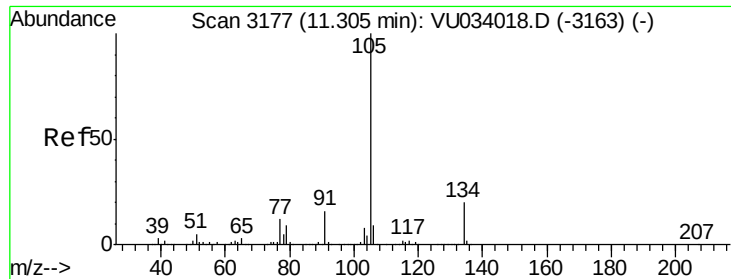
#84
 1,2,4-Trimethylbenzene
 Concen: 18.726 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion:105 Resp: 371211
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.6 67.8



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

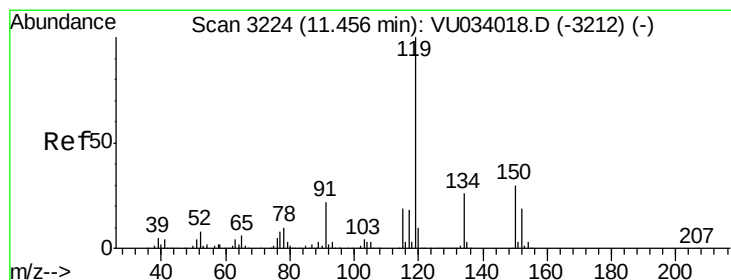
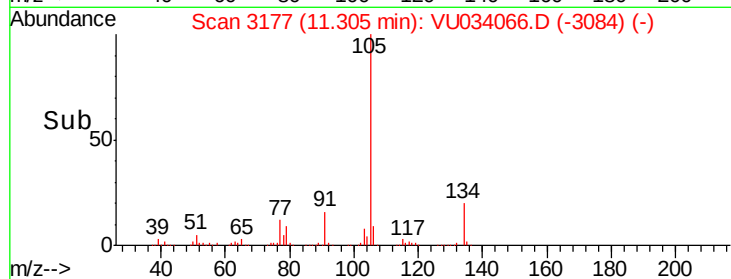
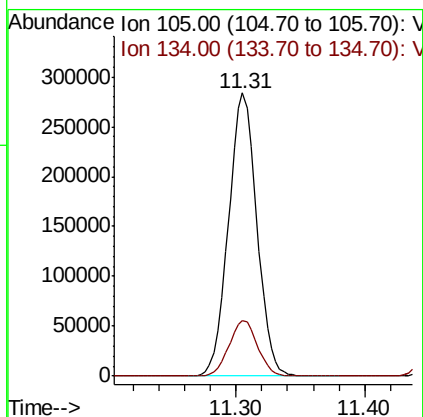
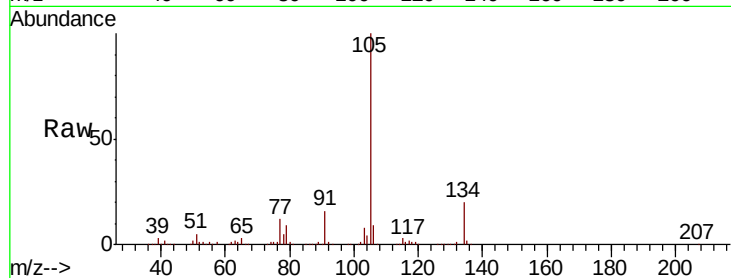




#85
 sec-Butylbenzene
 Concen: 18.295 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

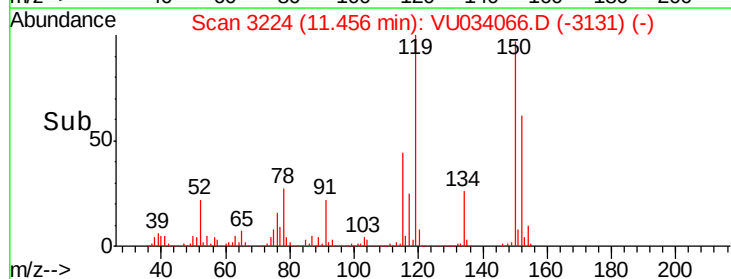
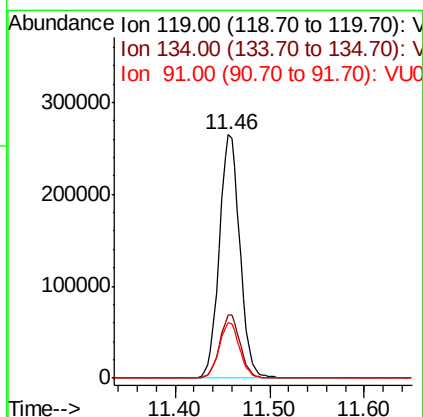
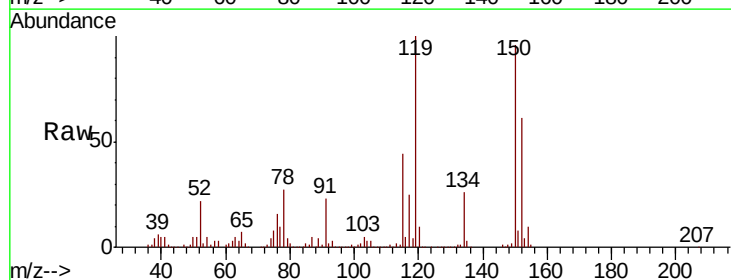
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

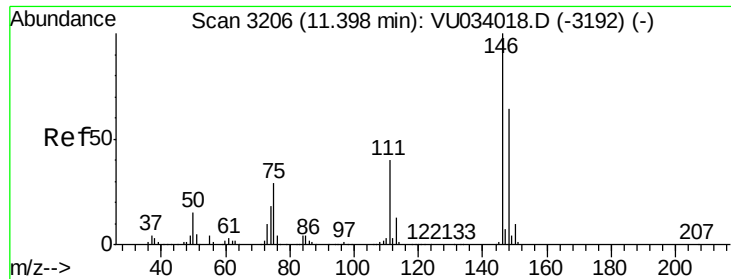
Tgt Ion:105 Resp: 430924
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 18.602 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion:119 Resp: 396274
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.1
 91 22.8 11.2 33.6

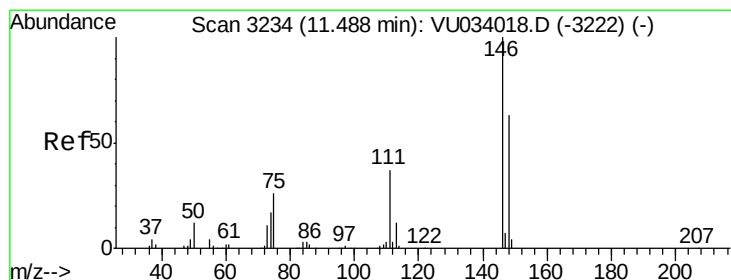
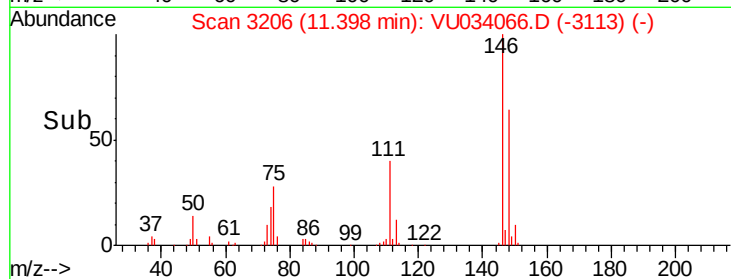
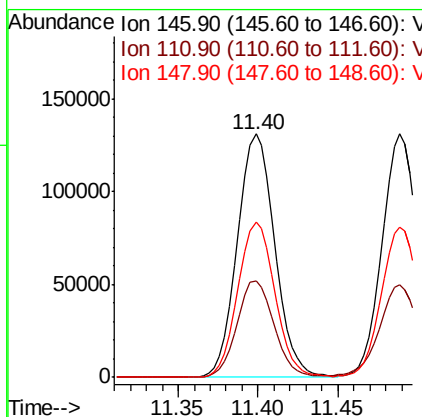
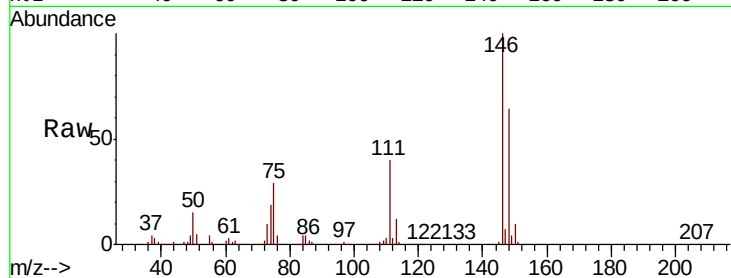




#87
 1,3-Dichlorobenzene
 Concen: 18.646 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

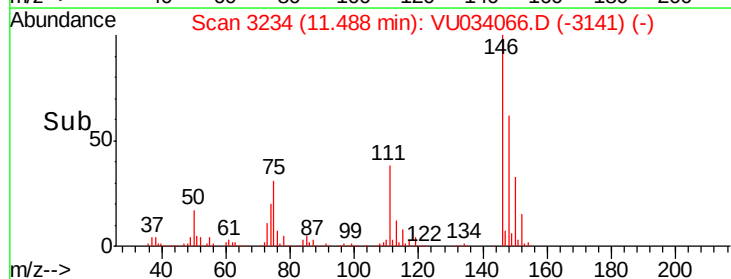
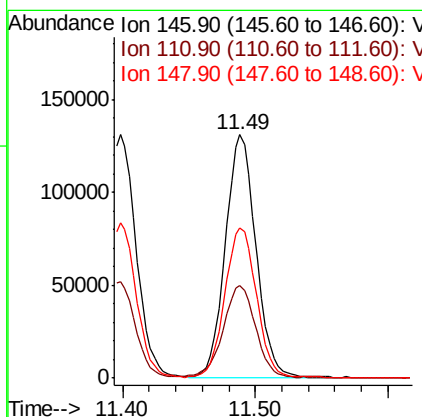
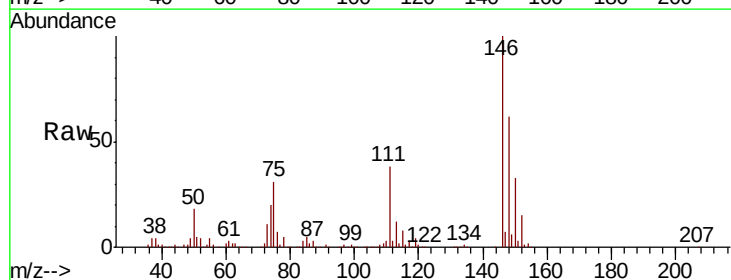
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

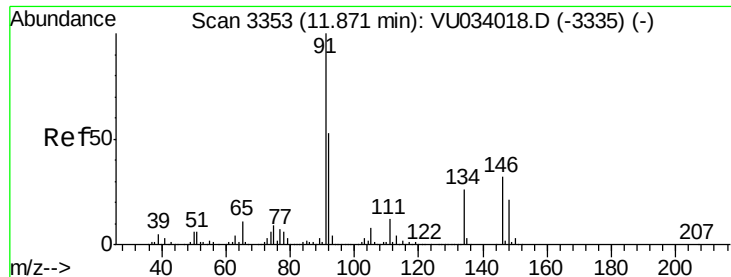
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	63.4	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.417 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.2	57.6
148	64.0	31.9	95.9

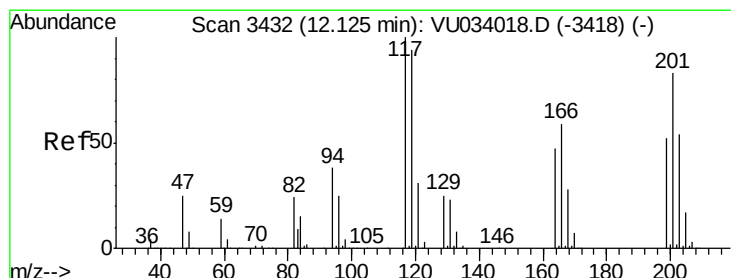
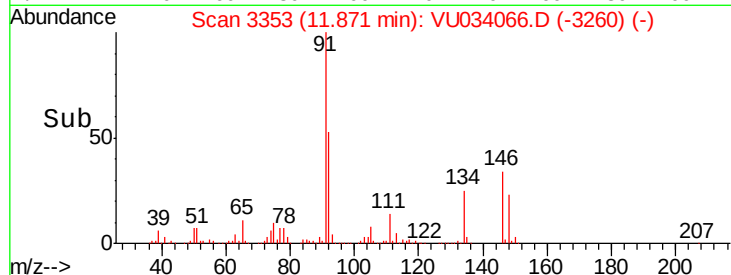
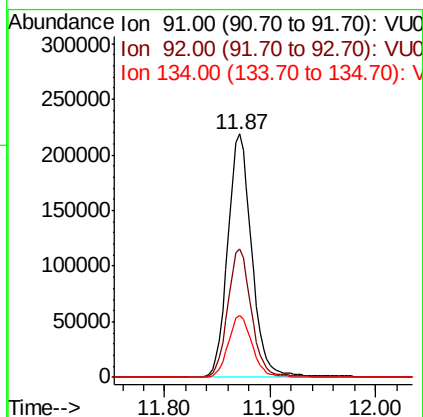
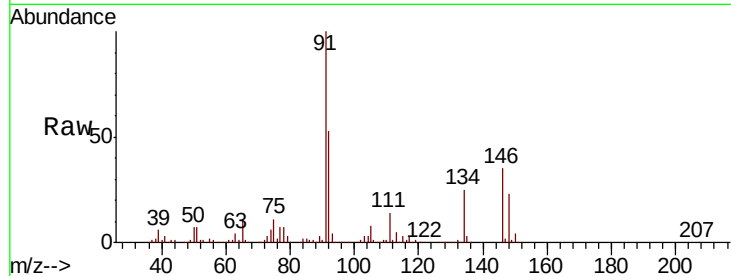




#89
n-Butylbenzene
Concen: 18.357 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

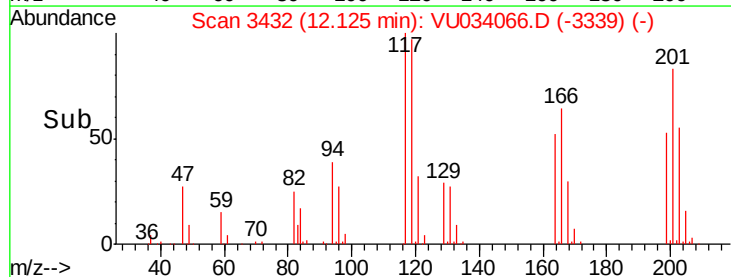
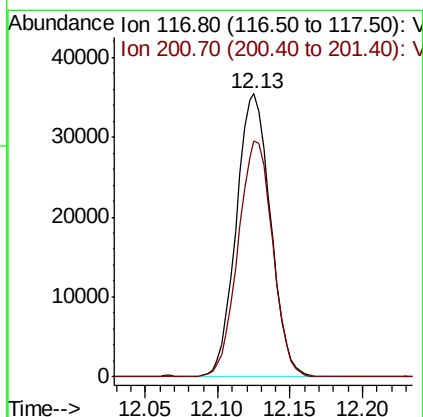
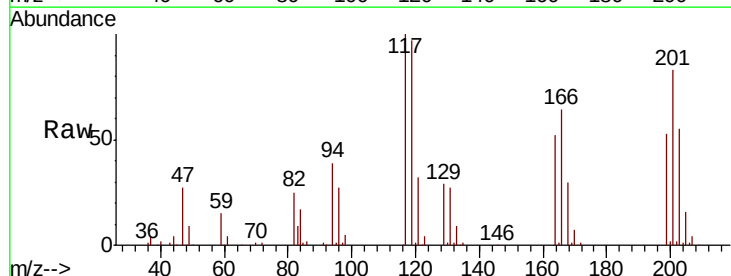
Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

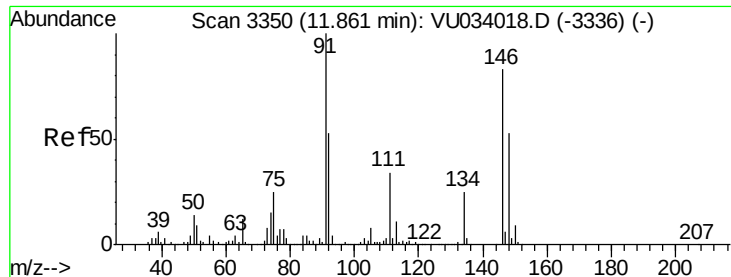
Tgt Ion: 91 Resp: 344766
Ion Ratio Lower Upper
91 100
92 52.3 26.3 78.9
134 25.3 12.9 38.7



#90
Hexachloroethane
Concen: 15.823 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion: 117 Resp: 58277
Ion Ratio Lower Upper
117 100
201 84.2 42.5 127.6

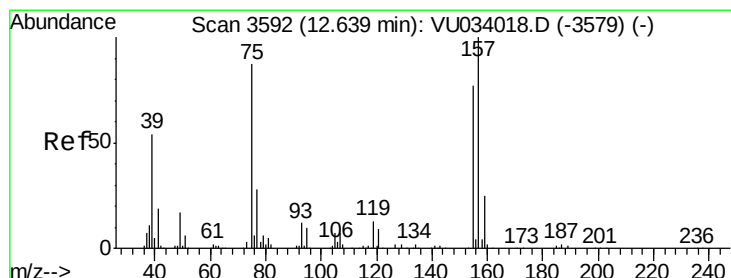
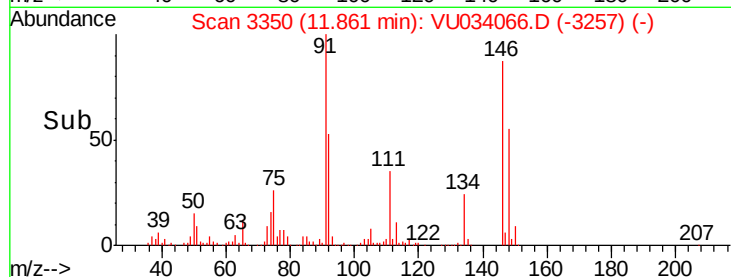
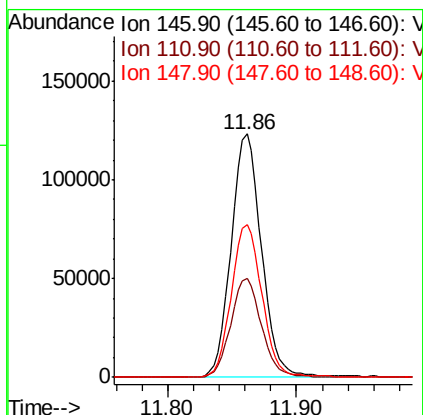
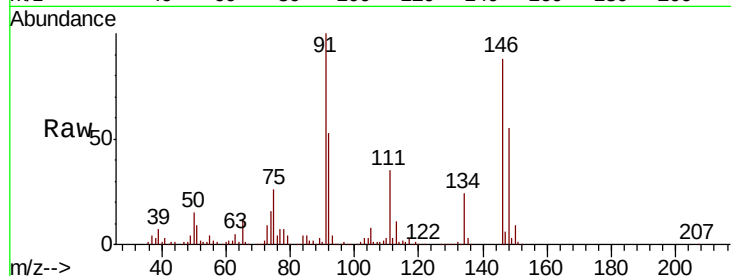




#91
 1,2-Dichlorobenzene
 Concen: 18.770 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

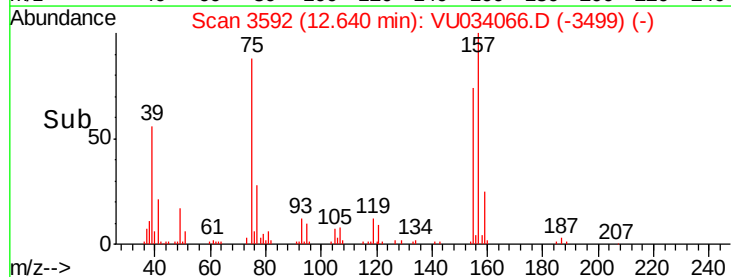
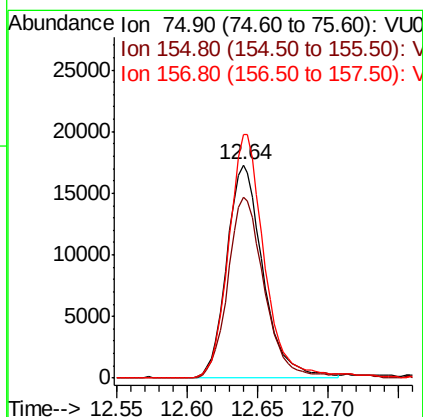
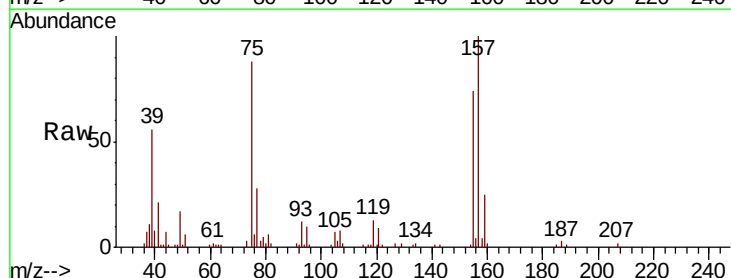
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

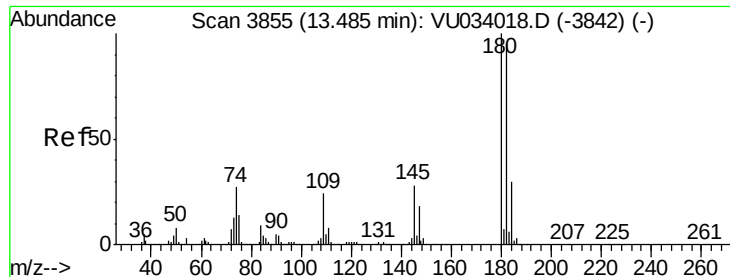
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.2
148	63.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.370 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	43.5	130.7
157	111.2	56.9	170.6

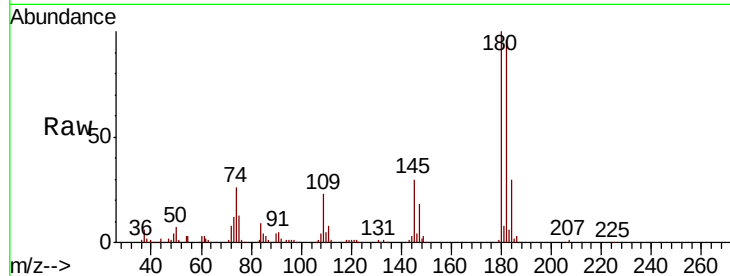




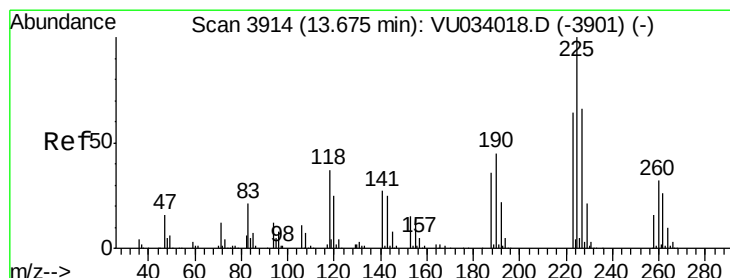
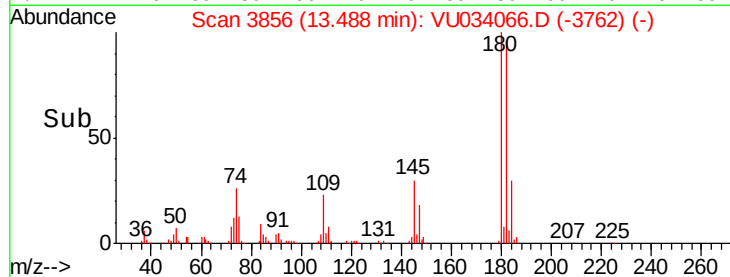
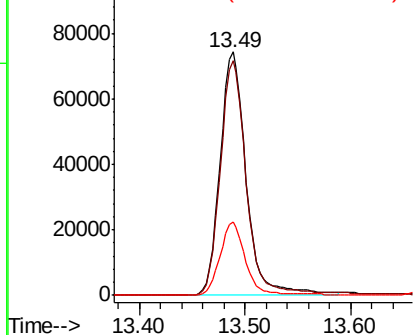
#93
 1,2,4-Trichlorobenzene
 Concen: 17.481 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBS01

Tgt Ion:180 Resp: 127943
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.4 142.2
 145 28.9 14.1 42.3

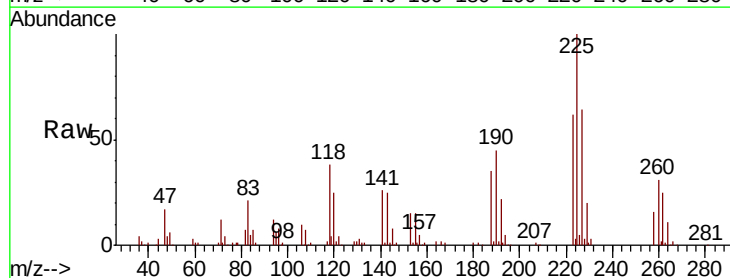


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

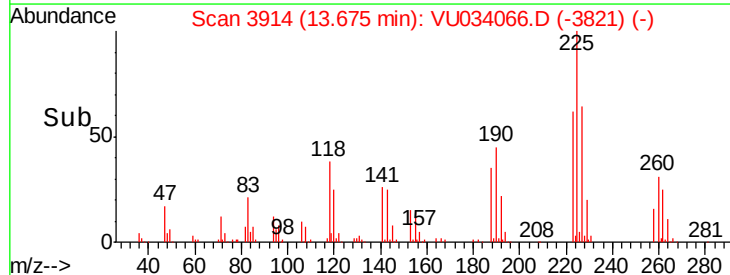
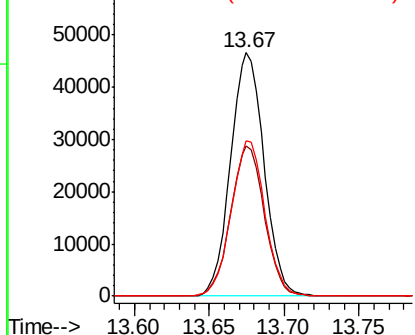


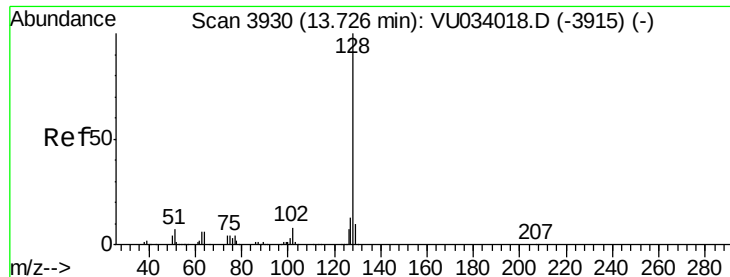
#94
 Hexachlorobutadiene
 Concen: 17.254 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034066.D
 Acq: 29 Aug 2019 16:50

Tgt Ion:225 Resp: 72525
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.8 95.3
 227 63.9 32.6 97.8



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

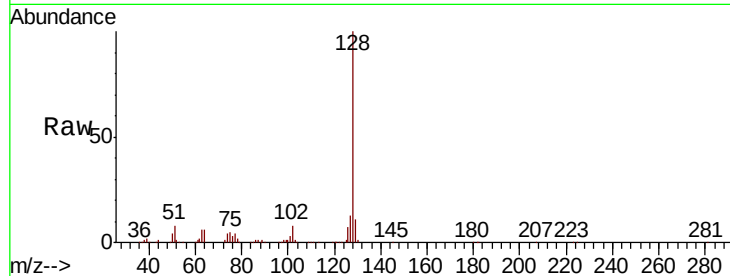




#95
Naphthalene
Concen: 16.533 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.1	8.4	12.6

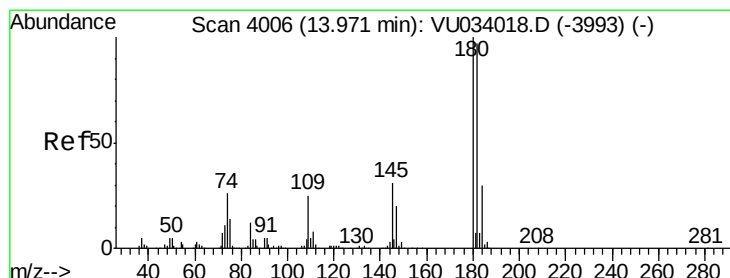
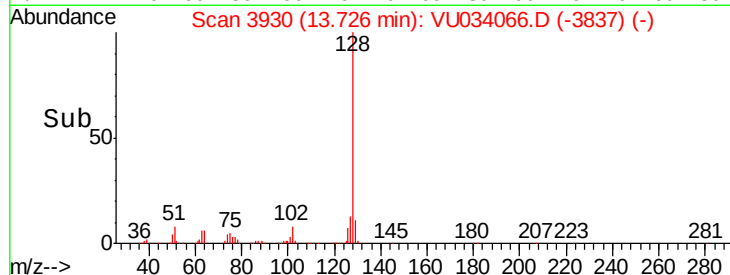
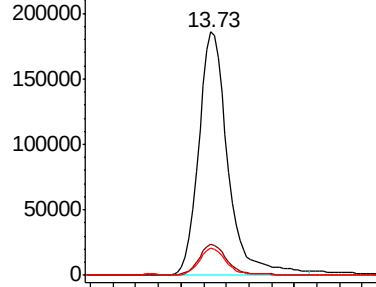


Abundance

Ion 128.00 (127.70 to 128.70): V

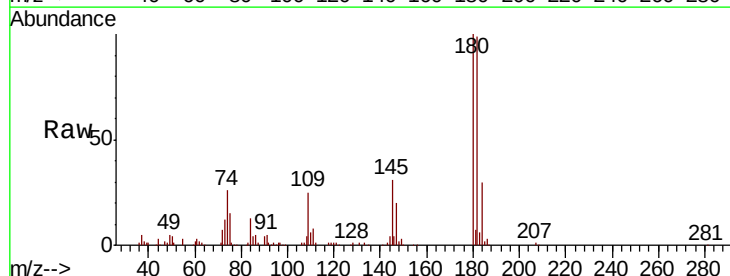
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.511 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034066.D
Acq: 29 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	48.2	144.6
145	31.1	15.5	46.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

