

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
 Data File : VU034351.D
 Acq On : 06 Sep 2019 23:55
 Operator : JC/SP
 Sample : VU0907WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Quant Time: Sep 07 04:13:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	291221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	425351	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	426854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	280083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	223121	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	4.86	113	199391	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	7.55	98	786787	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	10.29	95	289474	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56778	18.642	ug/l	99
3) Chloromethane	1.32	50	67381	20.426	ug/l	99
4) Vinyl Chloride	1.40	62	70217	18.501	ug/l	98
5) Bromomethane	1.62	94	46765	21.885	ug/l	97
6) Chloroethane	1.69	64	45441	19.998	ug/l	98
7) Trichlorofluoromethane	1.88	101	96705	19.003	ug/l	99
8) Diethyl Ether	2.10	74	44426	19.847	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	64486	19.132	ug/l	99
10) Methyl Iodide	2.40	142	45187	17.373	ug/l	99
11) Tert butyl alcohol	2.81	59	92875	99.771	ug/l	100
12) 1,1-Dichloroethene	2.27	96	62725	19.796	ug/l	96
13) Acrolein	2.19	56	44137	56.413	ug/l	97
14) Allyl chloride	2.58	41	99767	16.470	ug/l	91
15) Acrylonitrile	2.92	53	239058	103.126	ug/l	99
16) Acetone	2.31	43	188339	82.597	ug/l	99
17) Carbon Disulfide	2.47	76	124576	17.494	ug/l	100
18) Methyl Acetate	2.60	43	107271	19.334	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	240008	20.782	ug/l	99
20) Methylene Chloride	2.69	84	79260	20.990	ug/l	97
21) trans-1,2-Dichloroethene	2.97	96	64882	19.432	ug/l	98
22) Diisopropyl ether	3.55	45	244981	20.738	ug/l	92
23) Vinyl Acetate	3.51	43	977785	101.614	ug/l	98
24) 1,1-Dichloroethane	3.43	63	136926	19.409	ug/l	99
25) 2-Butanone	4.24	43	302760	99.468	ug/l	98
26) 2,2-Dichloropropane	4.21	77	92792	16.354	ug/l	97
27) cis-1,2-Dichloroethene	4.21	96	83898	20.689	ug/l	96
28) Bromochloromethane	4.53	49	65478	20.179	ug/l	94
29) Tetrahydrofuran	4.62	42	191910	103.614	ug/l	98
30) Chloroform	4.65	83	140789	19.633	ug/l	97
31) Cyclohexane	4.97	56	100677	19.507	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	113419	19.783	ug/l	99
36) 1,1-Dichloropropene	5.12	75	89678	19.440	ug/l	99
37) Ethyl Acetate	4.36	43	108843	19.956	ug/l	99
38) Carbon Tetrachloride	5.11	117	96769	19.647	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	96439	19.557	ug/l	94
40) Benzene	5.37	78	297469	19.985	ug/l	100
41) Methacrylonitrile	4.52	41	60105	20.689	ug/l	97
42) 1,2-Dichloroethane	5.38	62	101344	19.610	ug/l	99
43) Isopropyl Acetate	5.53	43	170175	20.001	ug/l	98
44) Trichloroethene	6.17	130	84425	20.497	ug/l	98
45) 1,2-Dichloropropane	6.41	63	86509	19.880	ug/l	99
46) Dibromomethane	6.54	93	54079	19.799	ug/l	98
47) Bromodichloromethane	6.74	83	111128	19.765	ug/l	99
48) Methyl methacrylate	6.60	41	78656	19.464	ug/l	97
49) 1,4-Dioxane	6.59	88	38788	439.563	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	582235	98.862	ug/l	99
52) Toluene	7.62	92	191009	20.456	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	109989	18.871	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	125026	19.545	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	83768	19.757	ug/l	98
56) Ethyl methacrylate	8.00	69	119458	20.480	ug/l	99
57) 1,3-Dichloropropane	8.22	76	136802	19.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	182158	94.645	ug/l	99
59) 2-Hexanone	8.34	43	436266	99.159	ug/l	99
60) Dibromochloromethane	8.46	129	89572	19.696	ug/l	97
61) 1,2-Dibromoethane	8.57	107	83043	20.011	ug/l	98
64) Tetrachloroethene	8.21	164	74934	20.235	ug/l	99
65) Chlorobenzene	9.10	112	219348	20.255	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	81176	19.641	ug/l	98
67) Ethyl Benzene	9.23	91	363756	20.543	ug/l	99
68) m/p-Xylenes	9.35	106	281337	42.194	ug/l	99
69) o-Xylene	9.76	106	136927	20.999	ug/l	100
70) Styrene	9.77	104	243036	21.258	ug/l	98
71) Bromoform	9.94	173	69234	19.329	ug/l #	99
73) Isopropylbenzene	10.14	105	379305	20.810	ug/l	99
74) N-amyl acetate	9.99	43	148614	20.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	145773	19.758	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	150869	24.677	ug/l	85
77) Bromobenzene	10.43	156	105059	20.614	ug/l	97
78) n-propylbenzene	10.57	91	429606	20.408	ug/l	99
79) 2-Chlorotoluene	10.64	91	264707	20.609	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	321443	21.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.47	75	151731	83.462	ug/l #	100
82) 4-Chlorotoluene	10.75	91	301973	20.430	ug/l	99
83) tert-Butylbenzene	11.08	119	315521	20.690	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	323514	21.083	ug/l	100
85) sec-Butylbenzene	11.30	105	379465	21.077	ug/l	100
86) p-Isopropyltoluene	11.45	119	346074	20.826	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	189117	20.335	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	190682	19.657	ug/l	99
89) n-Butylbenzene	11.87	91	285814	19.792	ug/l	99
90) Hexachloroethane	12.12	117	48409	18.209	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	185105	20.252	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	27265	20.111	ug/l	98

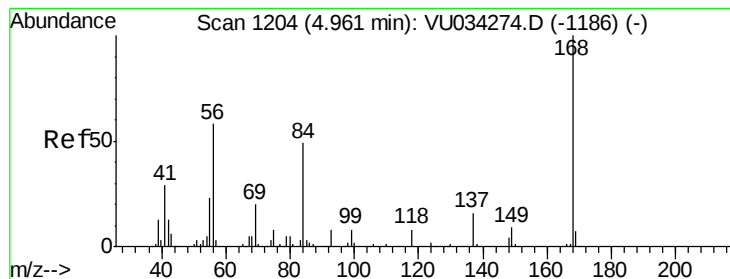
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	118119	20.041	ug/l	99
94) Hexachlorobutadiene	13.67	225	59097	18.484	ug/l	97
95) Naphthalene	13.72	128	338822	20.677	ug/l	98
96) 1,2,3-Trichlorobenzene	13.97	180	119133	20.264	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

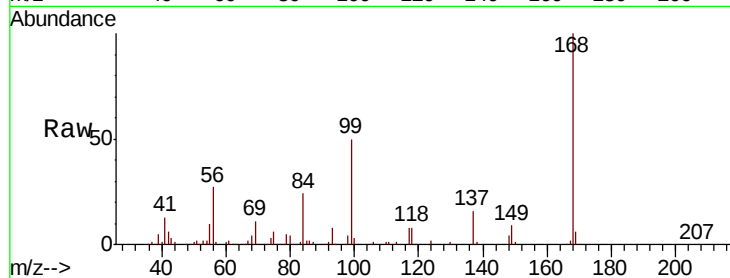
VU0907WBS02

Tgt Ion:168 Resp: 291221

Ion Ratio Lower Upper

168 100

99 49.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034351.D (-1111) (-)

4.96

150000

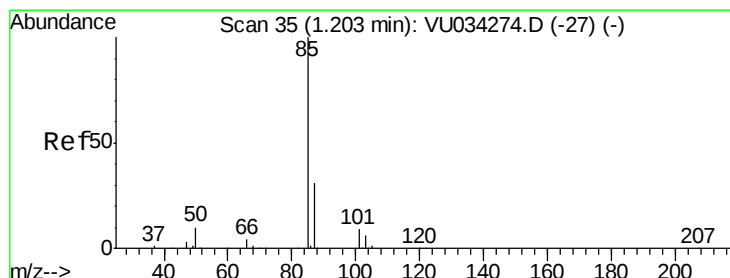
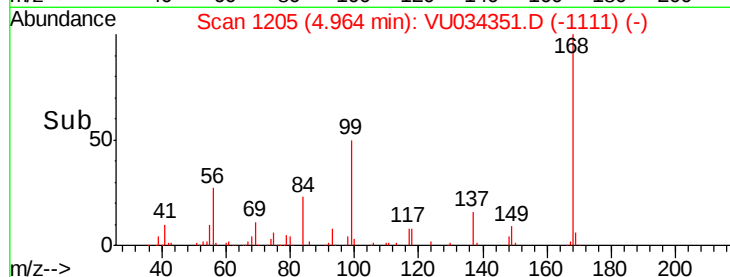
100000

50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.642 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034351.D

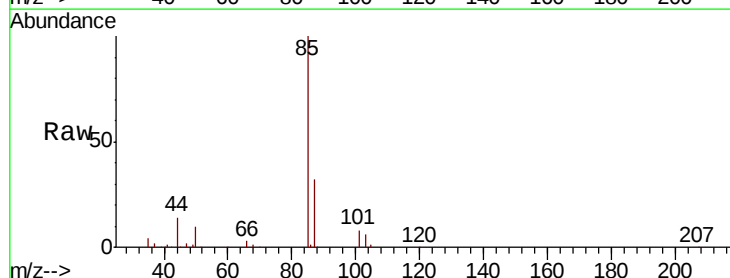
Acq: 06 Sep 2019 23:55

Tgt Ion: 85 Resp: 56778

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034351.D (-1) (-)

1.20

60000

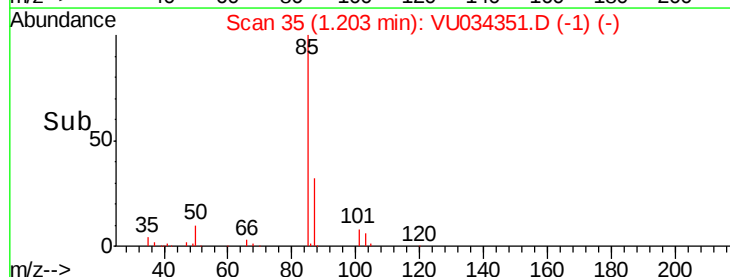
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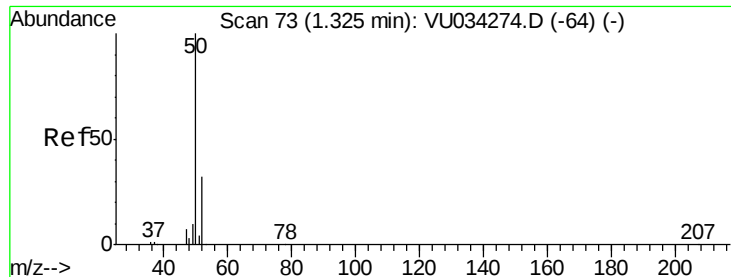
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.426 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

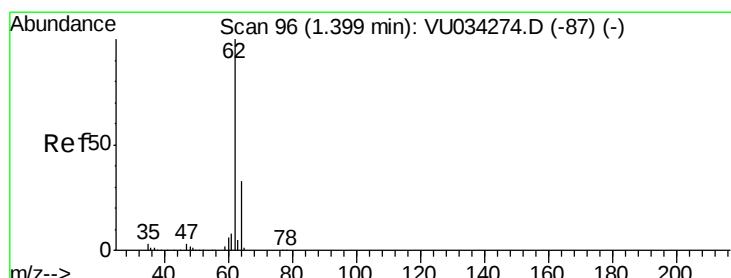
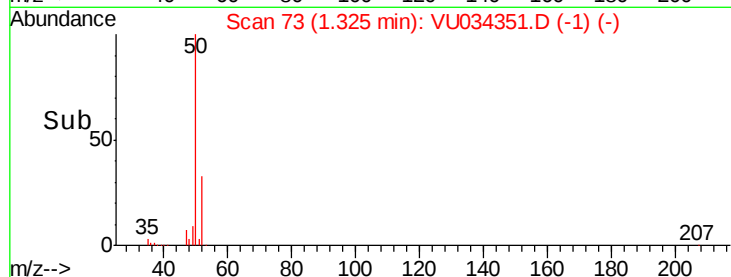
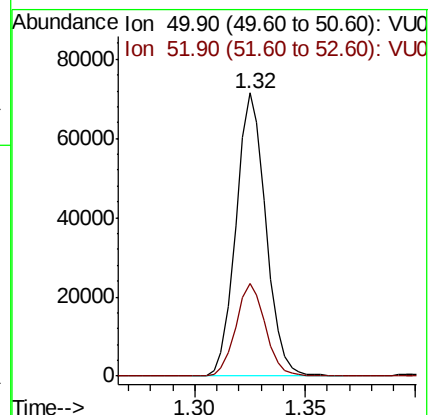
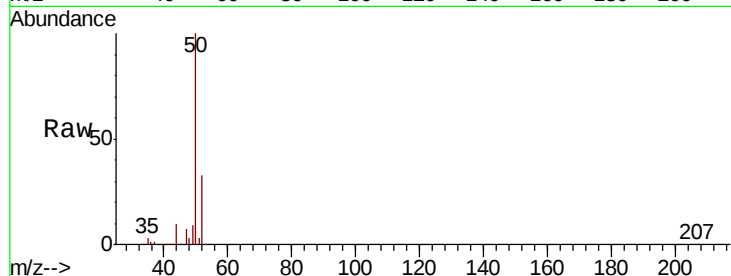
VU0907WBS02

Tgt Ion: 50 Resp: 67381

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.6



#4

Vinyl Chloride

Concen: 18.501 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034351.D

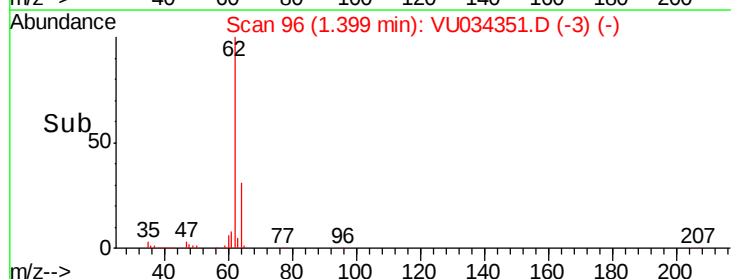
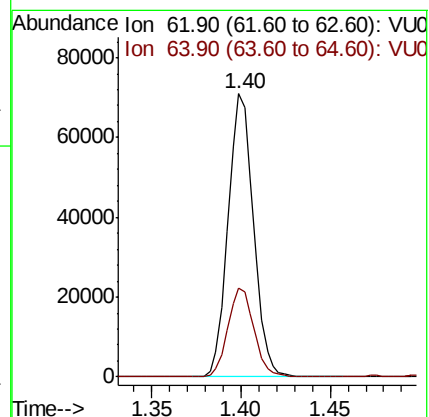
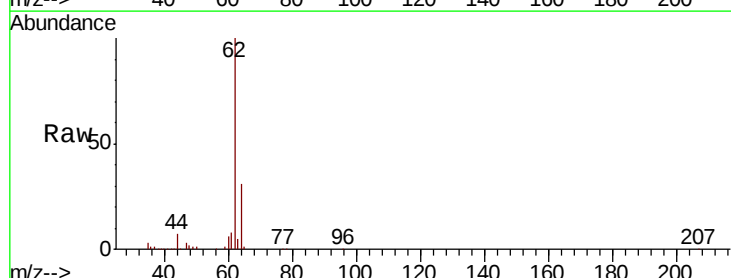
Acq: 06 Sep 2019 23:55

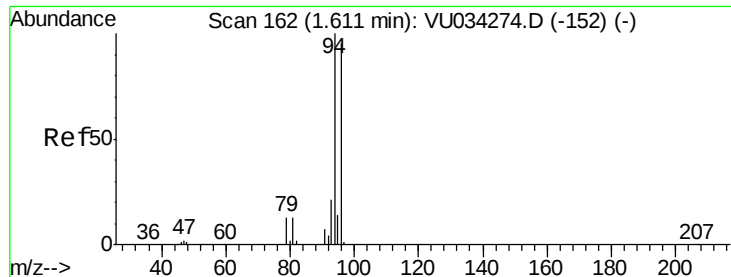
Tgt Ion: 62 Resp: 70217

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4





#5

Bromomethane

Concen: 21.885 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

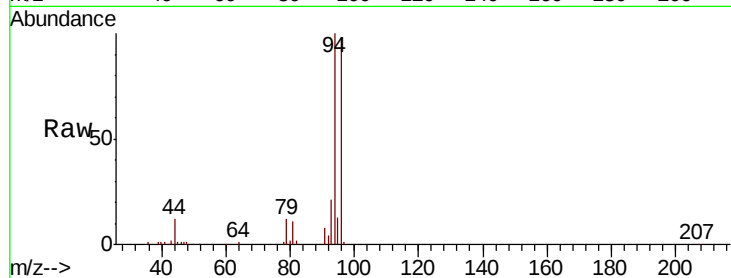
VU0907WBS02

Tgt Ion: 94 Resp: 46765

Ion Ratio Lower Upper

94 100

96 97.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034351.D (-162) (-)

Ion 95.90 (95.60 to 96.60): VU034351.D (-162) (-)

1.62

40000

30000

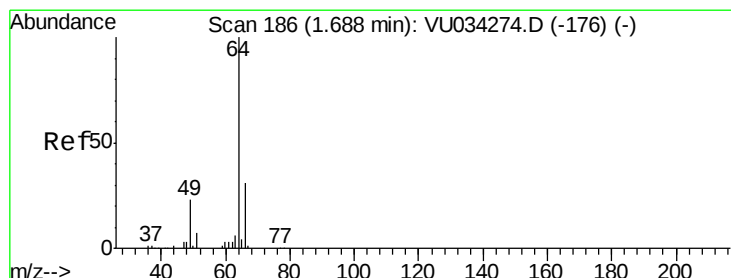
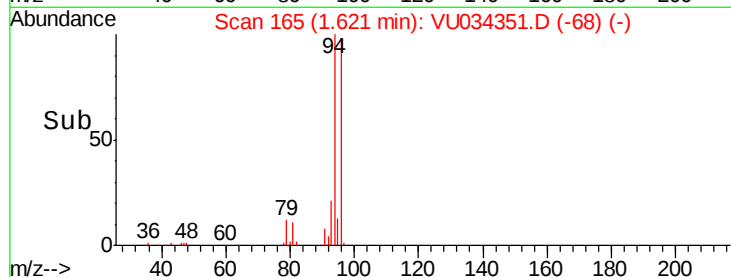
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 19.998 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034351.D

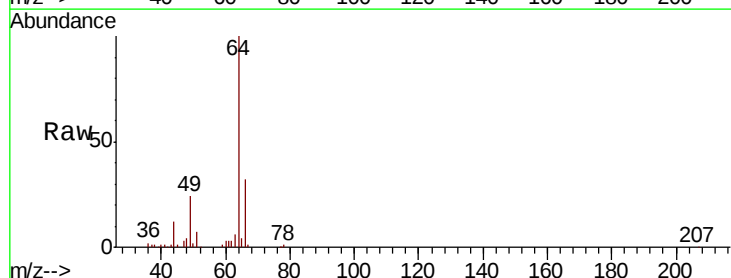
Acq: 06 Sep 2019 23:55

Tgt Ion: 64 Resp: 45441

Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034351.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VU034351.D (-186) (-)

1.69

40000

30000

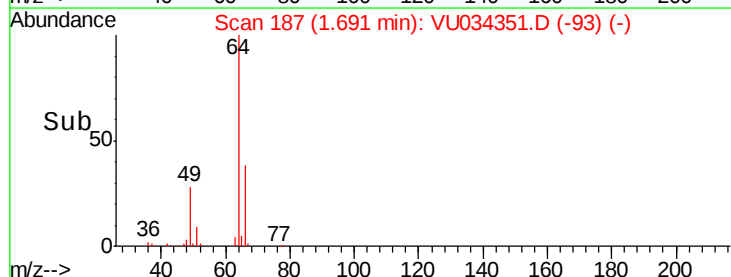
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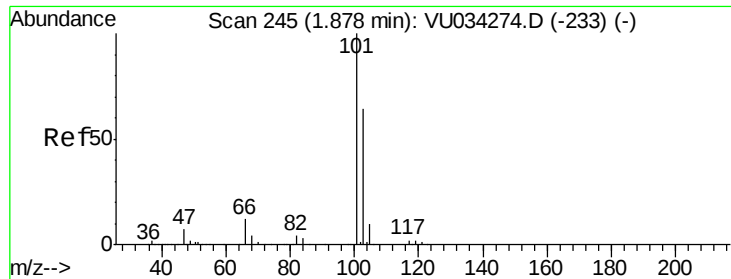
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Time-->

1.65 1.70 1.75



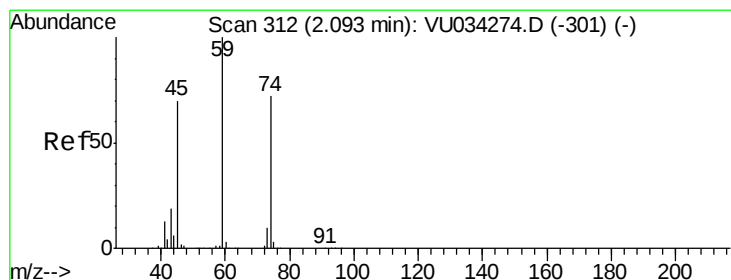
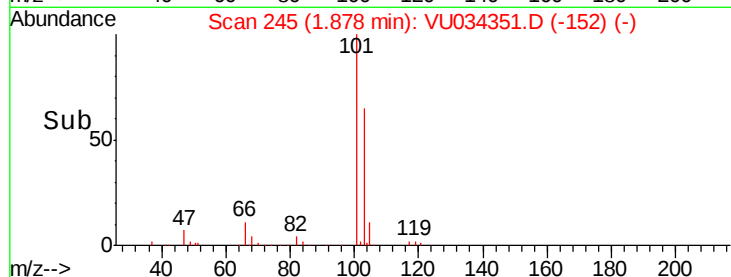
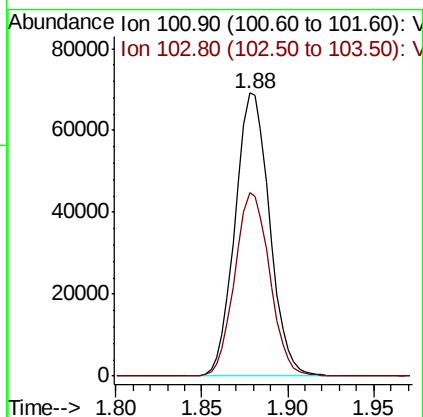
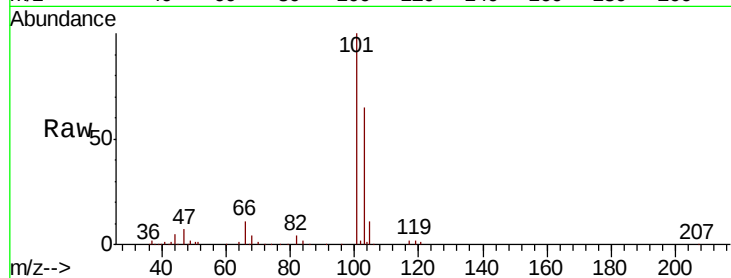


#7

Trichlorofluoromethane
 Concen: 19.003 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
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 VU0907WBS02

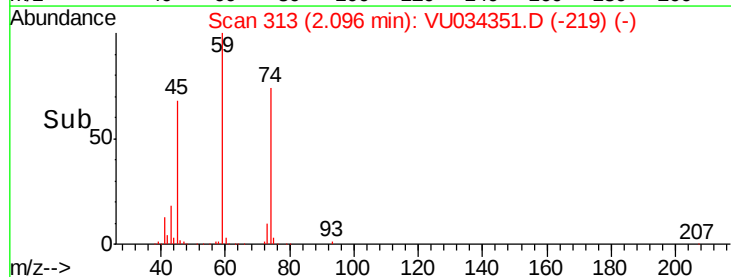
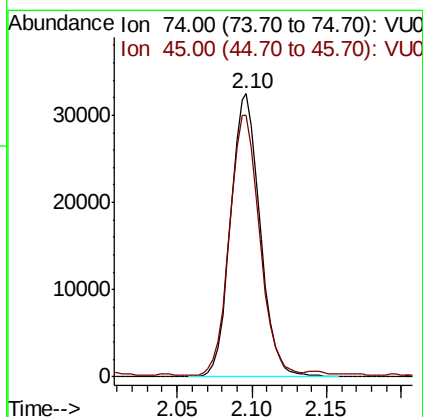
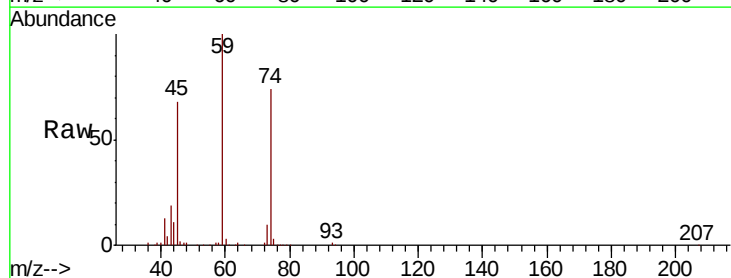
Tgt Ion:101 Resp: 96705
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.0 76.6

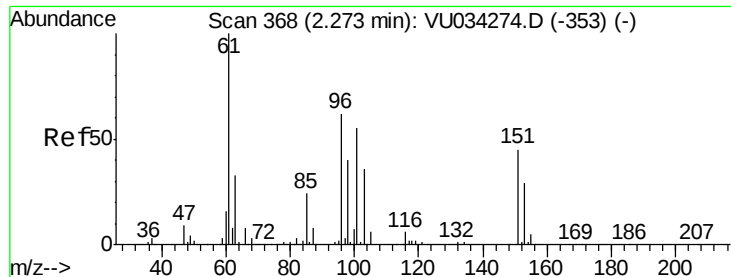


#8

Diethyl Ether
 Concen: 19.847 ug/l
 RT: 2.10 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion: 74 Resp: 44426
 Ion Ratio Lower Upper
 74 100
 45 93.9 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.132 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

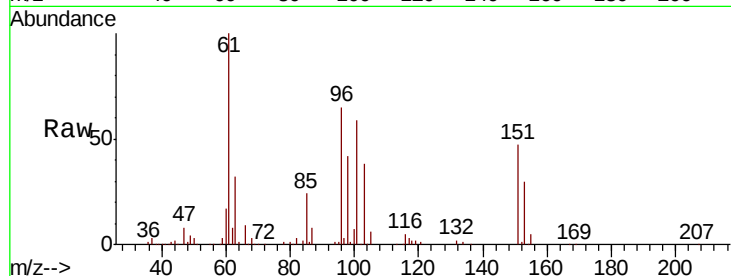
Tgt Ion:101 Resp: 64486

Ion Ratio Lower Upper

101 100

85 42.2 34.4 51.6

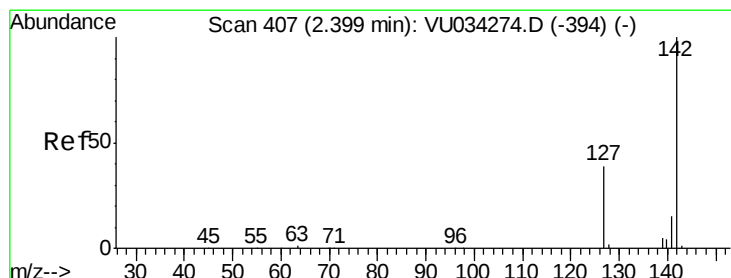
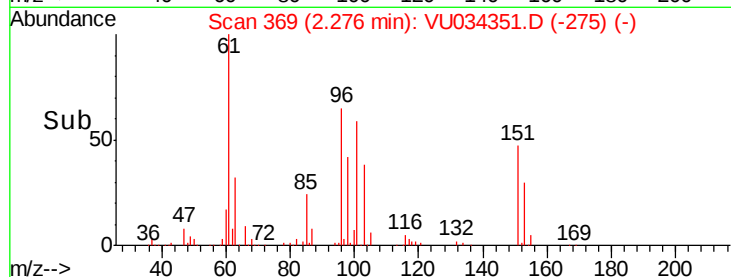
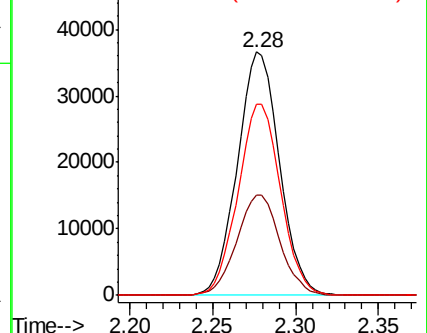
151 79.6 64.4 96.6



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: 17.373 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

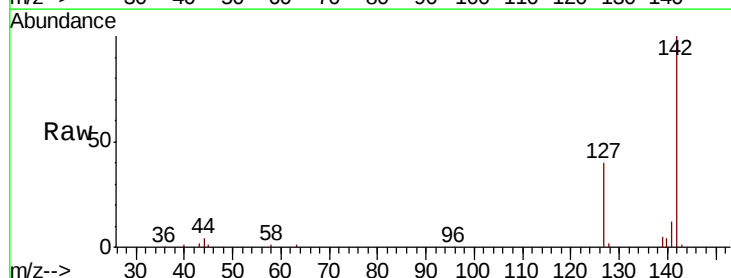
Tgt Ion:142 Resp: 45187

Ion Ratio Lower Upper

142 100

127 40.4 32.1 48.1

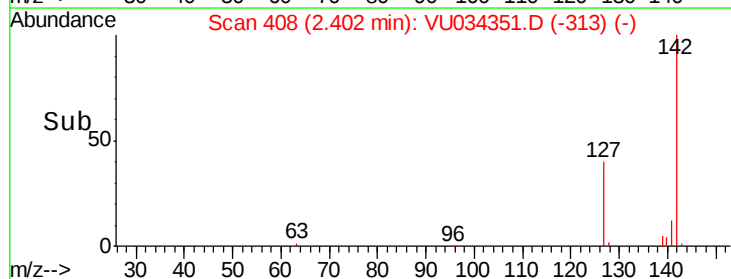
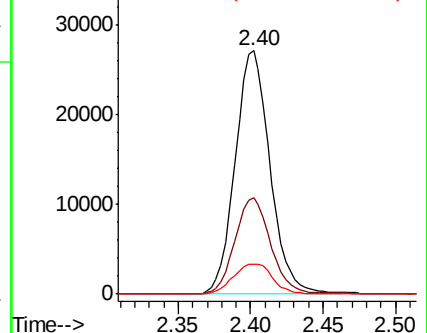
141 13.9 11.5 17.3

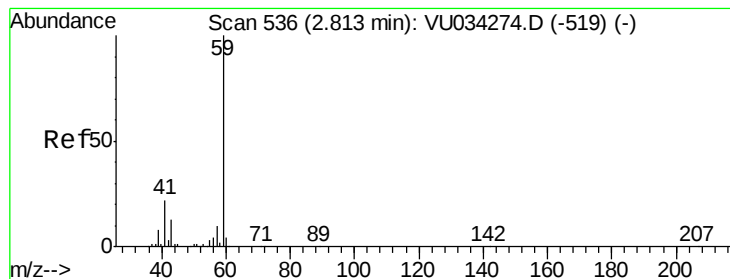


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.771 ug/l

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

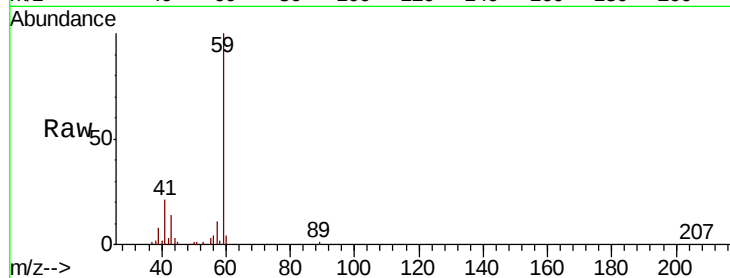
VU0907WBS02

Tgt Ion: 59 Resp: 92875

Ion Ratio Lower Upper

59 100

57 10.0 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU034351.D (-443) (-)

Ion 57.00 (56.70 to 57.70): VU034351.D (-443) (-)

2.81

40000

30000

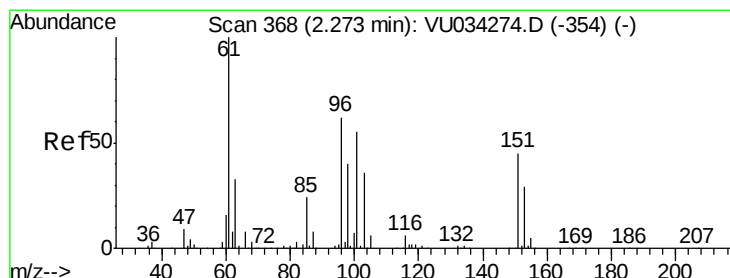
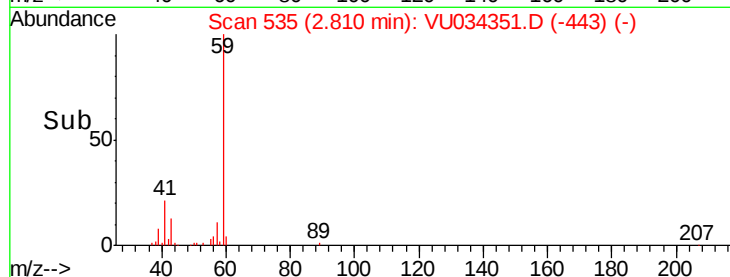
20000

10000

0

2.75 2.80 2.85 2.90

Time-->



#12

1,1-Dichloroethene

Concen: 19.796 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

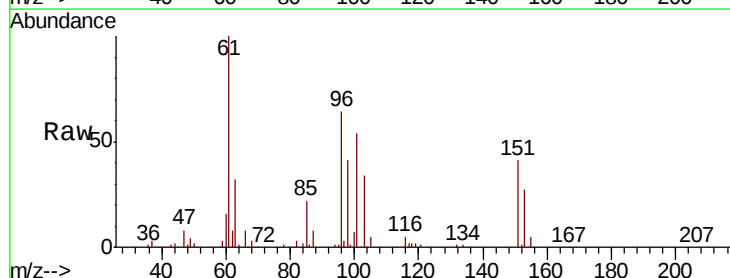
Tgt Ion: 96 Resp: 62725

Ion Ratio Lower Upper

96 100

61 155.4 130.0 195.0

98 64.5 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VU034351.D (-275) (-)

Ion 60.90 (60.60 to 61.60): VU034351.D (-275) (-)

Ion 97.90 (97.60 to 98.60): VU034351.D (-275) (-)

2.27

80000

60000

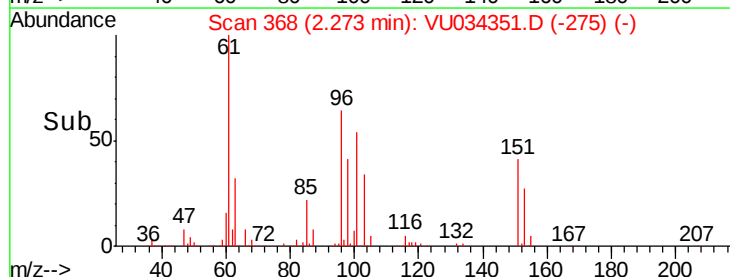
40000

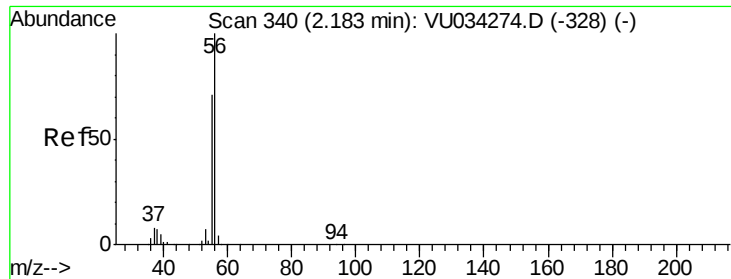
20000

0

2.20 2.25 2.30 2.35

Time-->





#13

Acrolein

Concen: 56.413 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

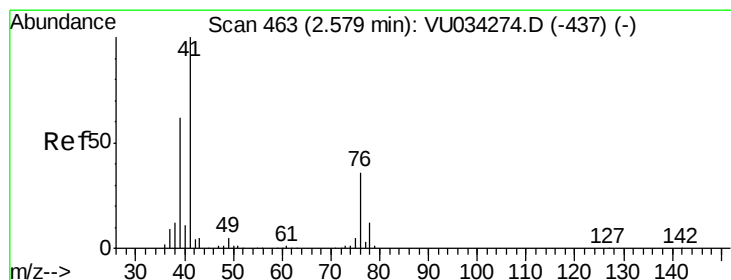
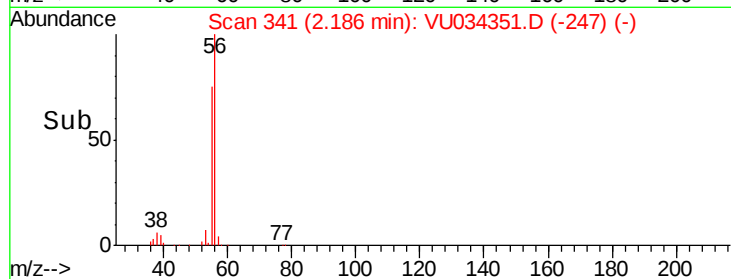
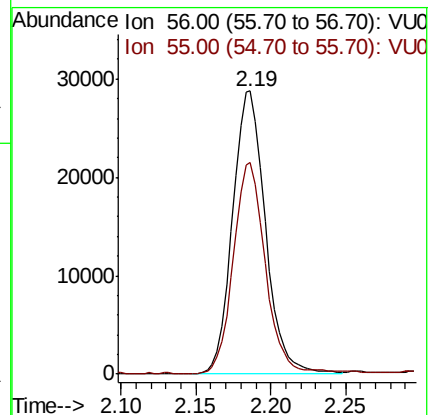
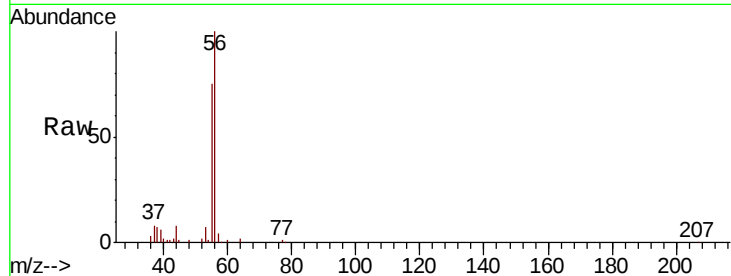
VU0907WBS02

Tgt Ion: 56 Resp: 44137

Ion Ratio Lower Upper

56 100

55 74.3 57.4 86.2



#14

Allyl chloride

Concen: 16.470 ug/l

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

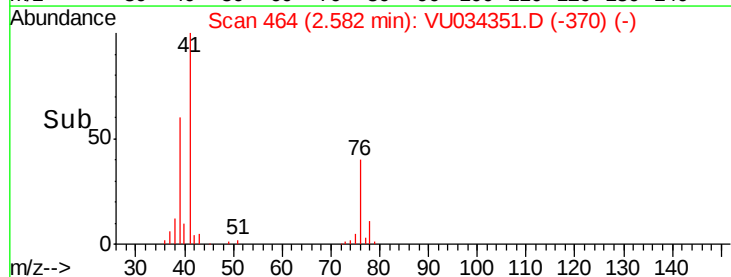
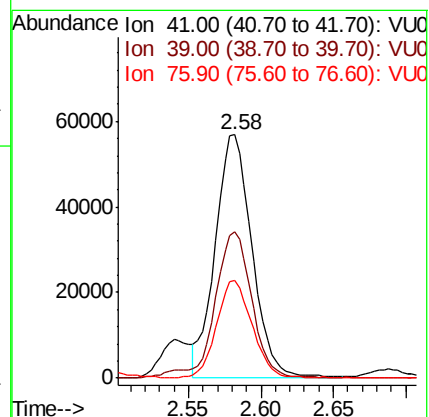
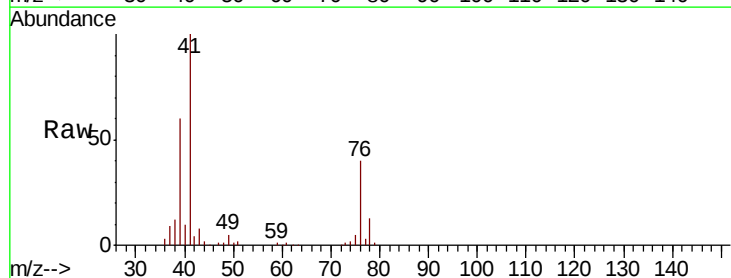
Tgt Ion: 41 Resp: 99767

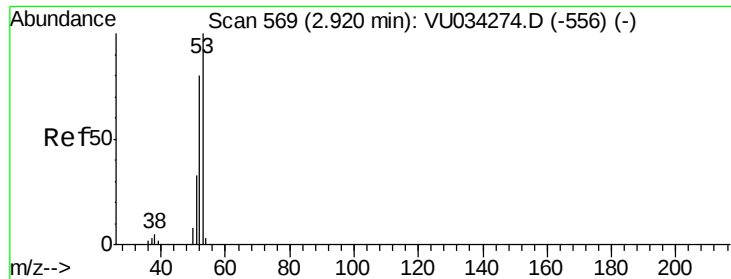
Ion Ratio Lower Upper

41 100

39 61.0 43.5 65.3

76 38.1 27.0 40.6





#15

Acrylonitrile

Concen: 103.126 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

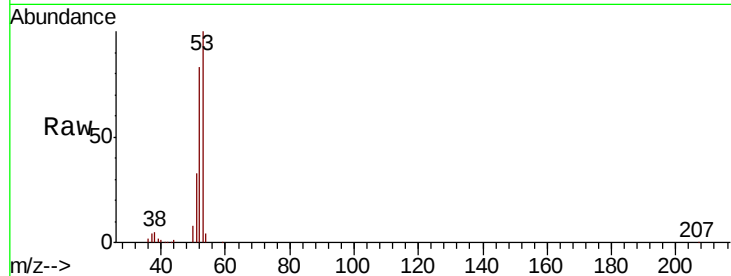
Tgt Ion: 53 Resp: 239058

Ion Ratio Lower Upper

53 100

52 81.0 64.1 96.1

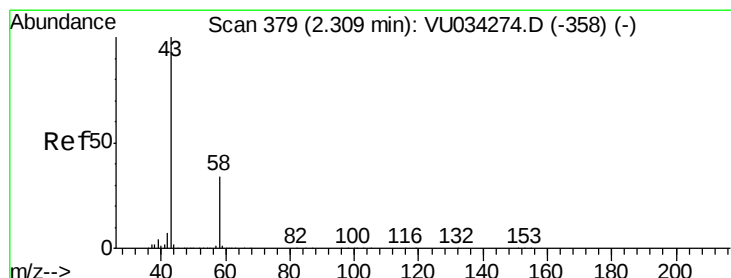
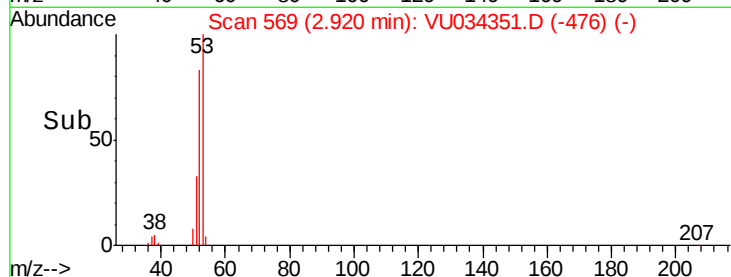
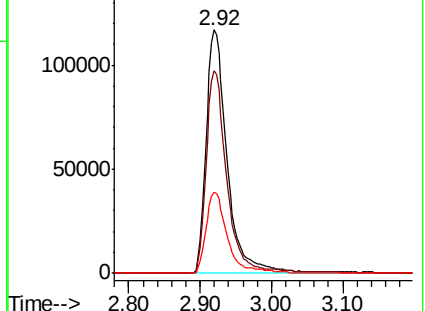
51 33.8 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU034351.D (-286) (-)

Ion 52.00 (51.70 to 52.70): VU034351.D (-286) (-)

Ion 51.00 (50.70 to 51.70): VU034351.D (-286) (-)



#16

Acetone

Concen: 82.597 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034351.D

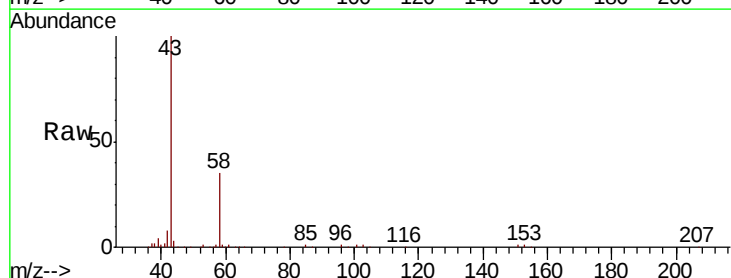
Acq: 06 Sep 2019 23:55

Tgt Ion: 43 Resp: 188339

Ion Ratio Lower Upper

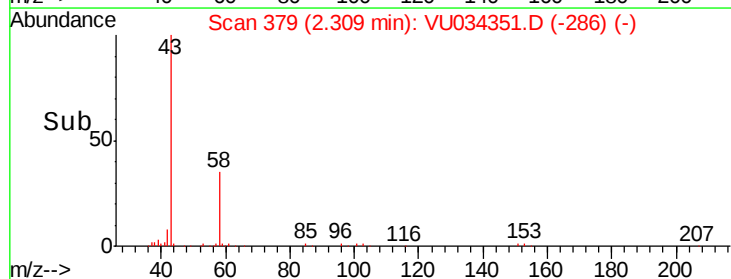
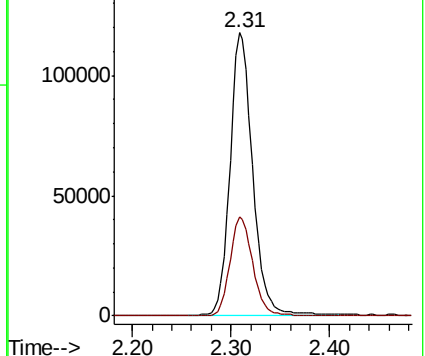
43 100

58 34.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034351.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034351.D (-286) (-)

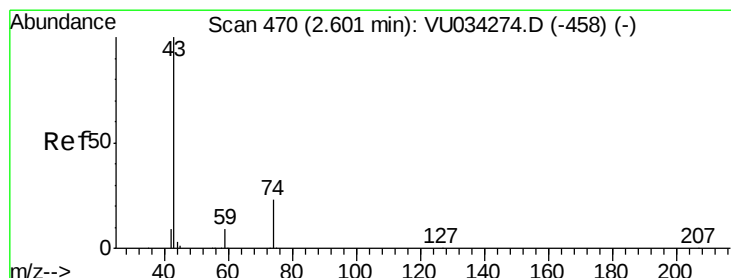
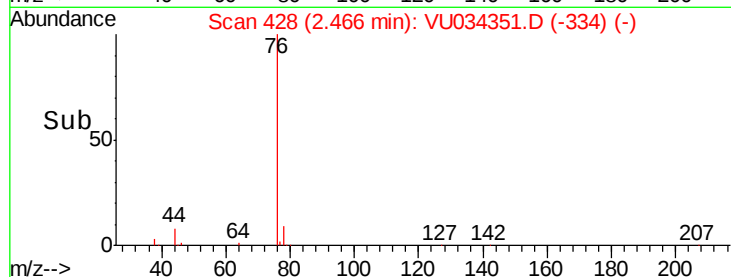
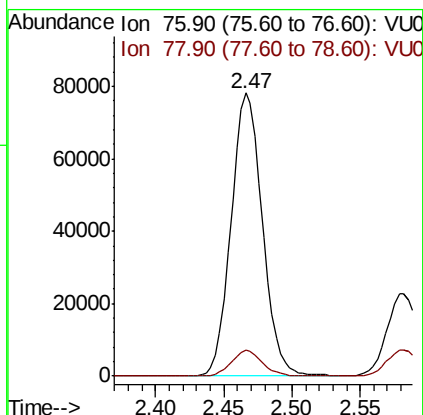
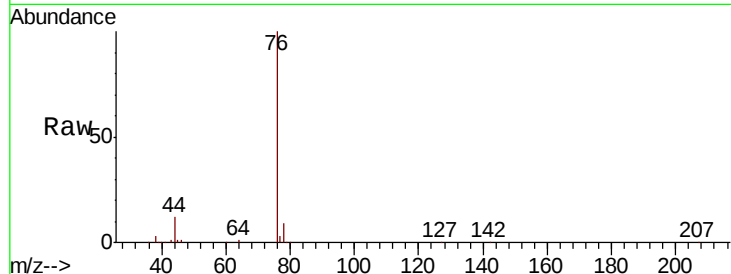




#17
Carbon Disulfide
Concen: 17.494 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

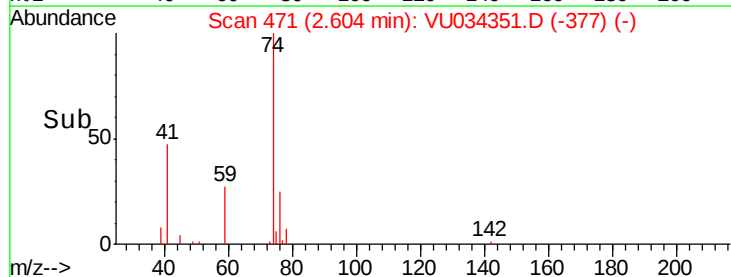
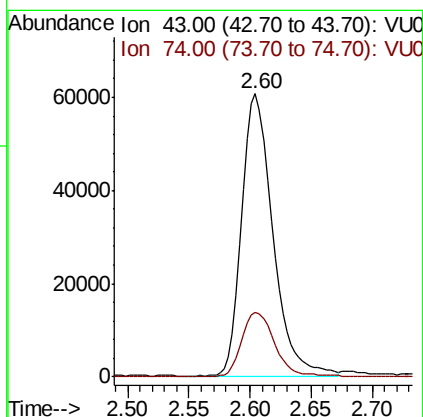
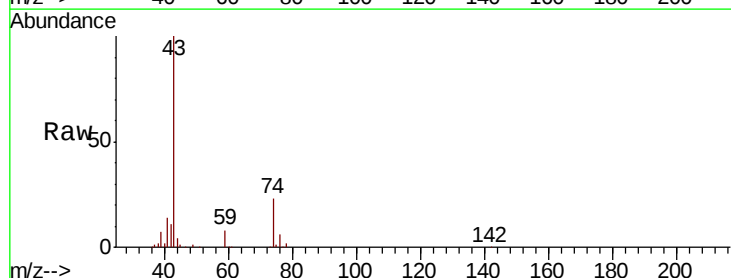
Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

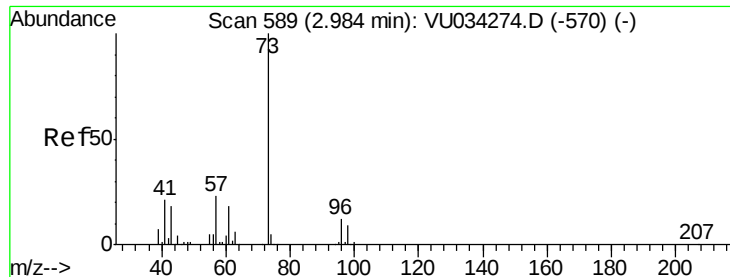
Tgt Ion: 76 Resp: 124576
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 19.334 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion: 43 Resp: 107271
Ion Ratio Lower Upper
43 100
74 24.7 18.9 28.3

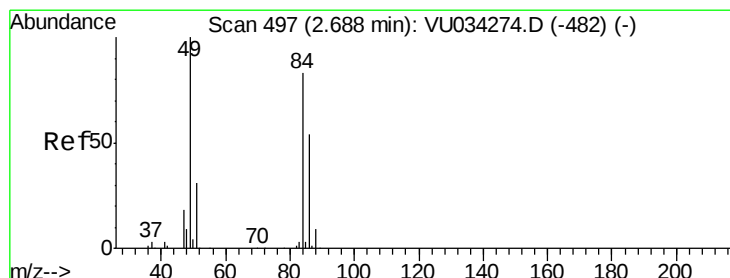
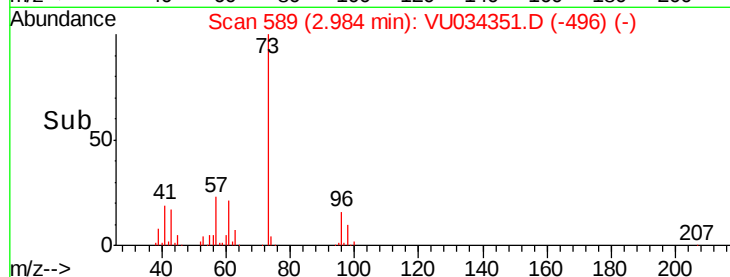
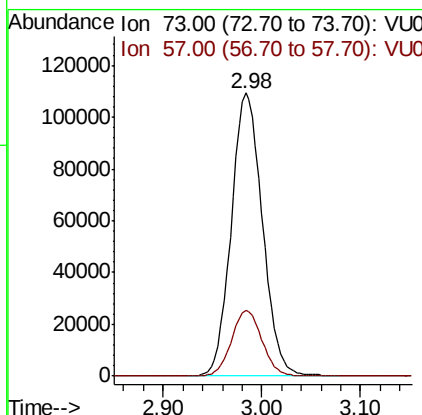
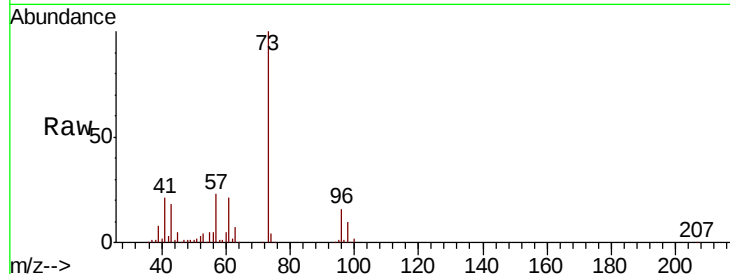




#19
Methyl tert-butyl Ether
Concen: 20.782 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

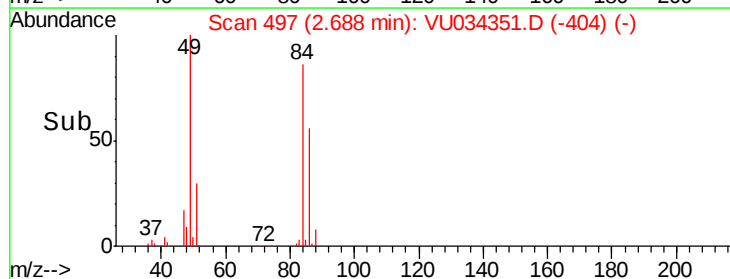
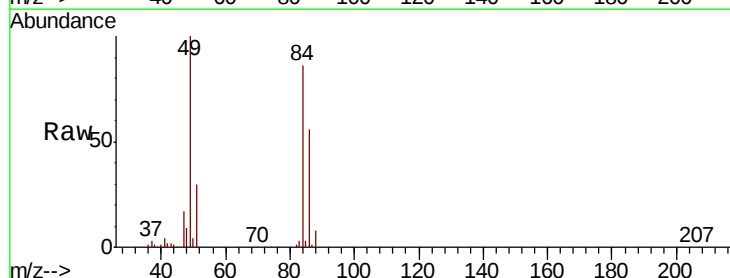
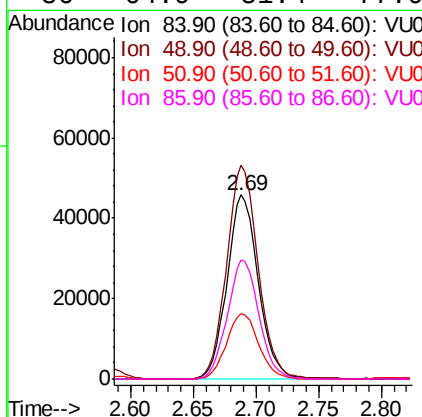
Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

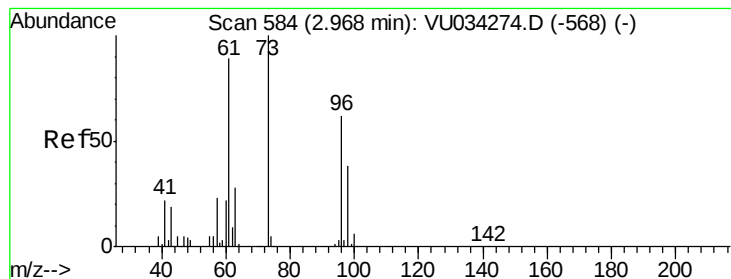
Tgt Ion: 73 Resp: 240008
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.4



#20
Methylene Chloride
Concen: 20.990 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion: 84 Resp: 79260
Ion Ratio Lower Upper
84 100
49 116.1 96.0 144.0
51 35.3 30.0 45.0
86 64.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.432 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

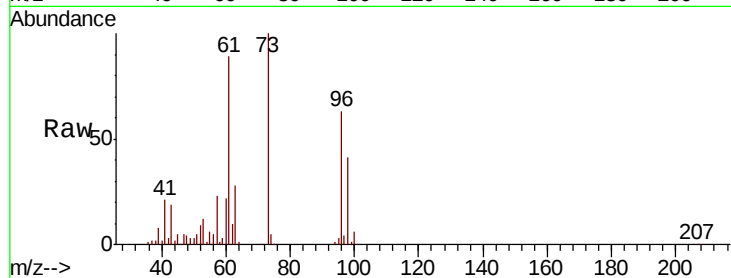
Tgt Ion: 96 Resp: 64882

Ion Ratio Lower Upper

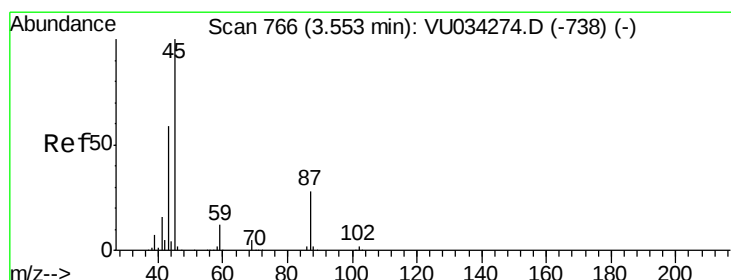
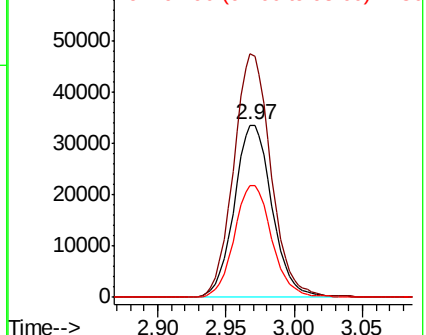
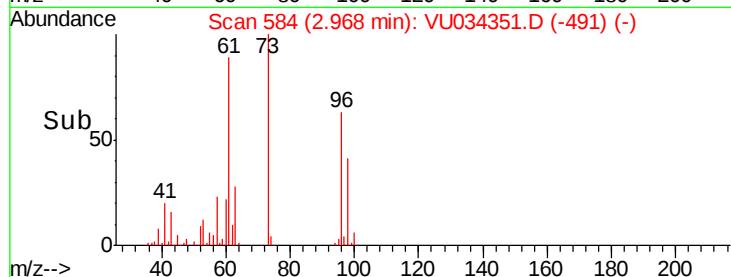
96 100

61 141.3 114.8 172.2

98 65.1 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034351.D (-491) (-)



#22

Diisopropyl ether

Concen: 20.738 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tgt Ion: 45 Resp: 244981

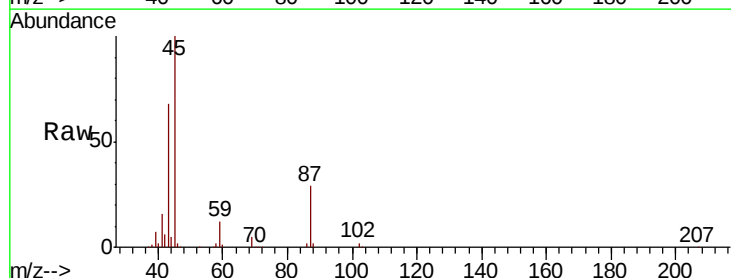
Ion Ratio Lower Upper

45 100

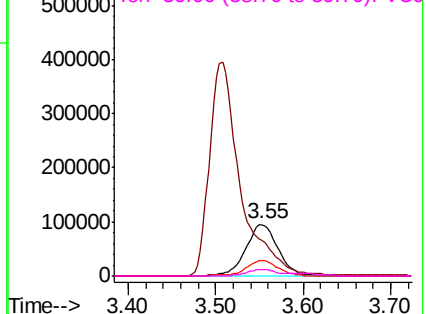
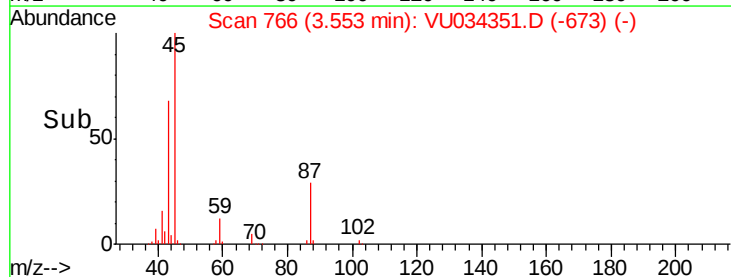
43 67.8 47.5 71.3

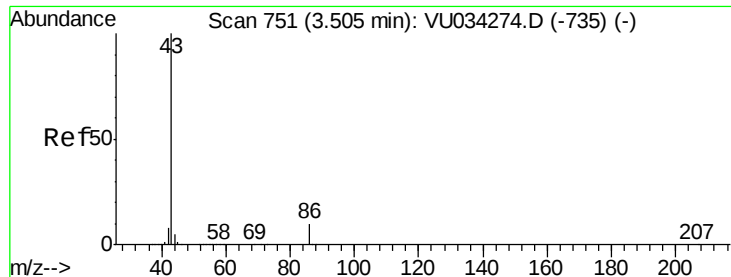
87 29.5 22.2 33.4

59 12.4 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034351.D (-673) (-)





#23

Vinyl Acetate

Concen: 101.614 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

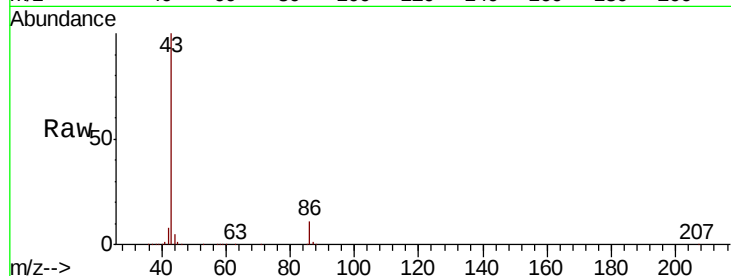
VU0907WBS02

Tgt Ion: 43 Resp: 977785

Ion Ratio Lower Upper

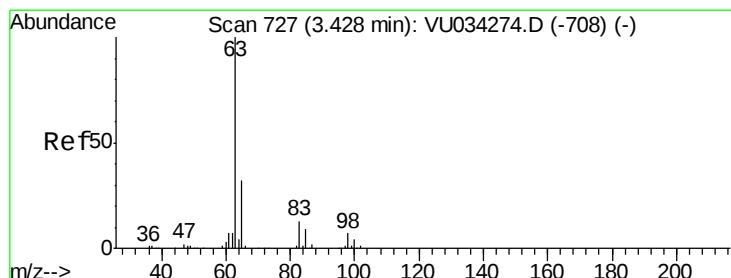
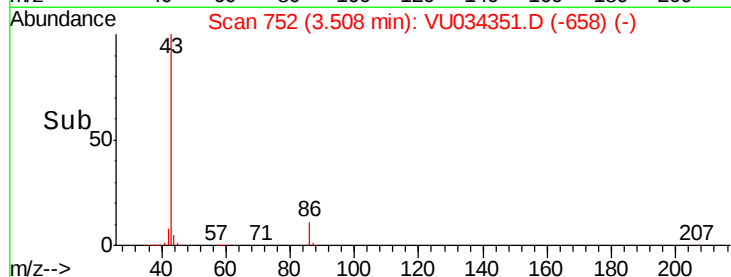
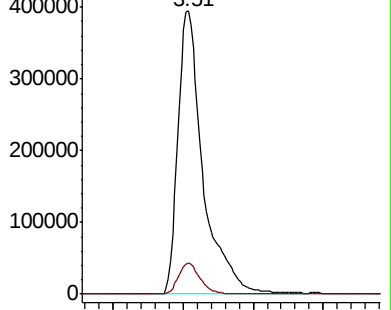
43 100

86 11.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034351.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034351.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 19.409 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

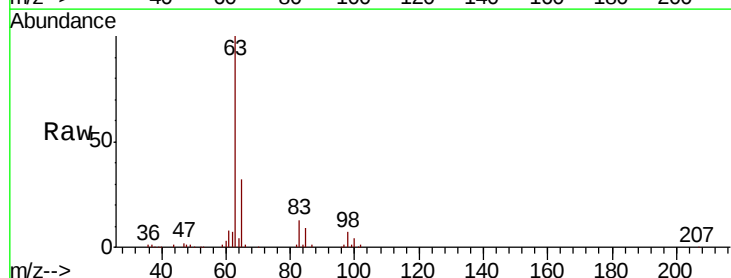
Tgt Ion: 63 Resp: 136926

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

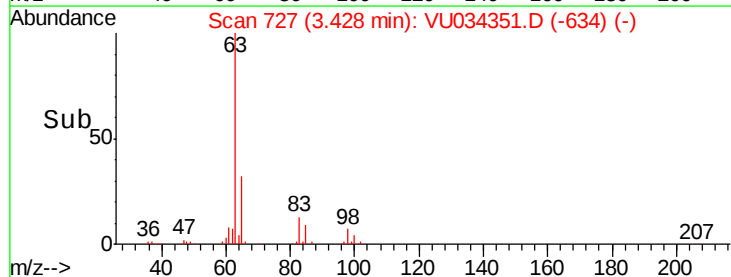
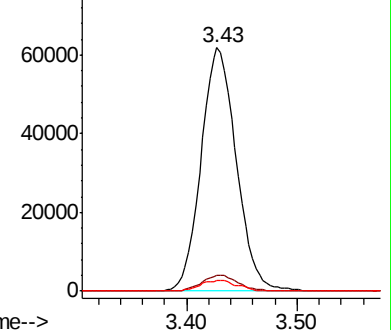
100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034351.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034351.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034351.D (-634) (-)





#25

2-Butanone

Concen: 99.468 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

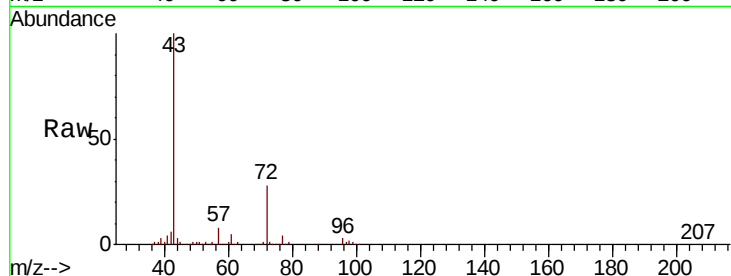
VU0907WBS02

Tgt Ion: 43 Resp: 302760

Ion Ratio Lower Upper

43 100

72 28.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)

4.24

100000

50000

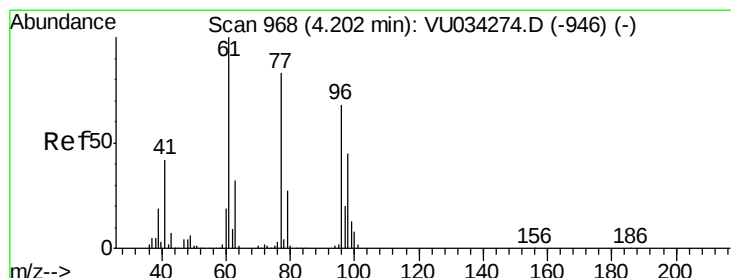
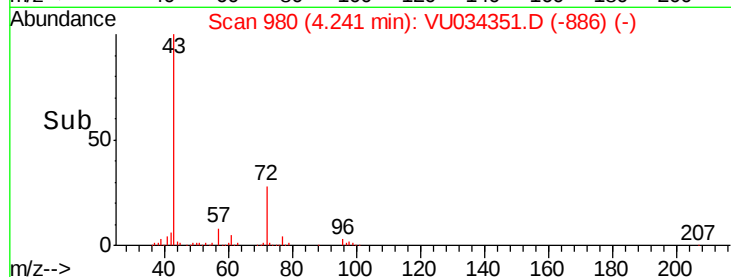
0

Time-->

4.10

4.20

4.30



#26

2,2-Dichloropropane

Concen: 16.354 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034351.D

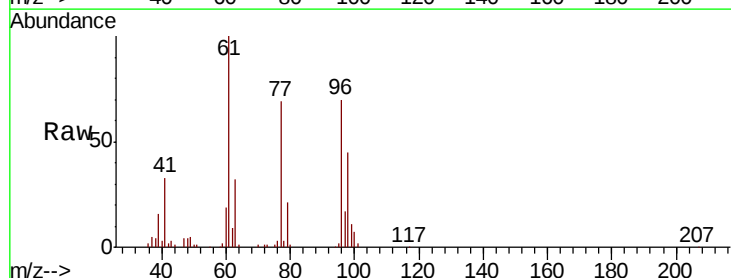
Acq: 06 Sep 2019 23:55

Tgt Ion: 77 Resp: 92792

Ion Ratio Lower Upper

77 100

97 24.9 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)

4.21

40000

30000

20000

10000

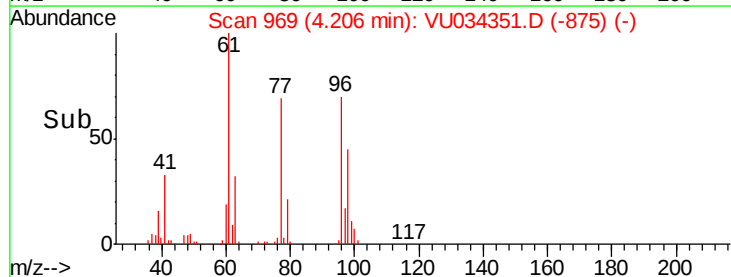
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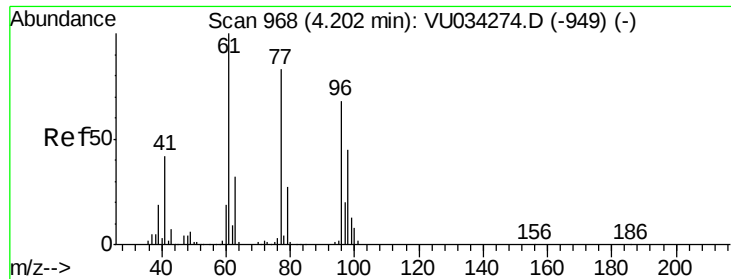
Time-->

4.10

4.20

4.30



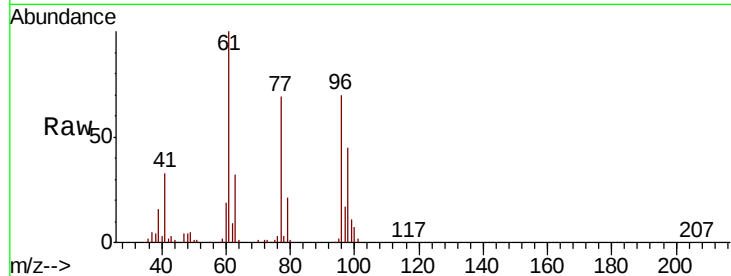


#27

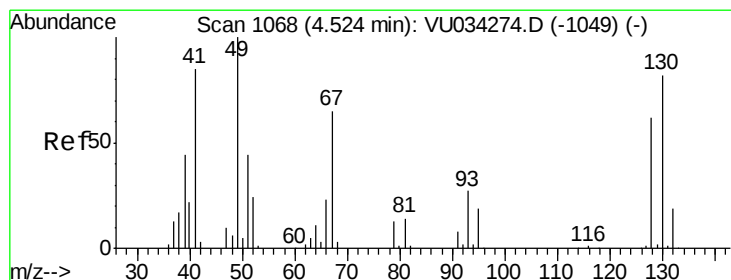
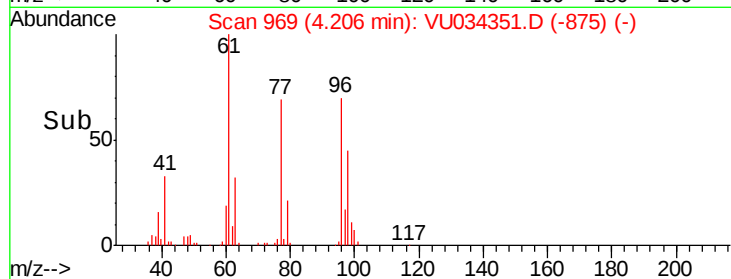
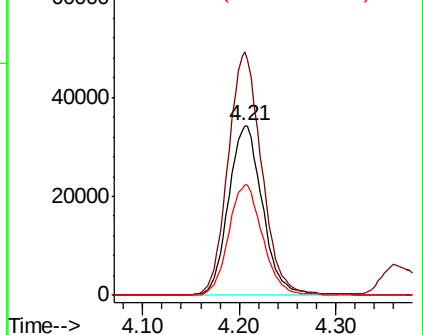
cis-1,2-Dichloroethene
 Concen: 20.689 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tgt Ion: 96 Resp: 83898
 Ion Ratio Lower Upper
 96 100
 61 141.6 0.0 297.4
 98 64.8 0.0 130.0



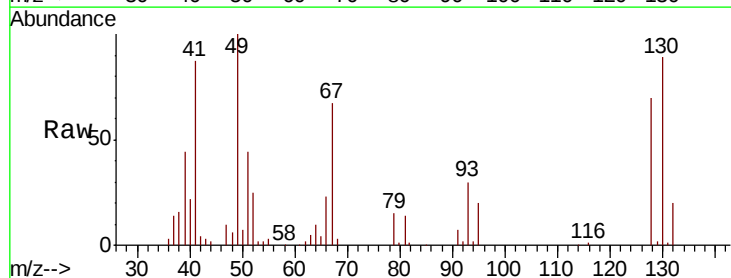
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



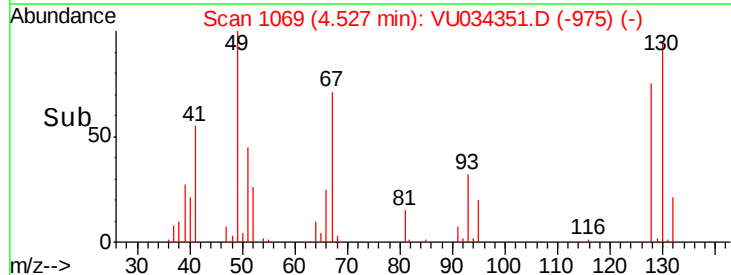
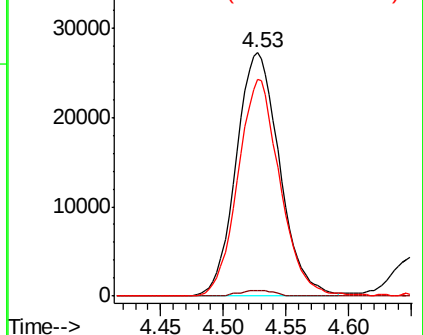
#28

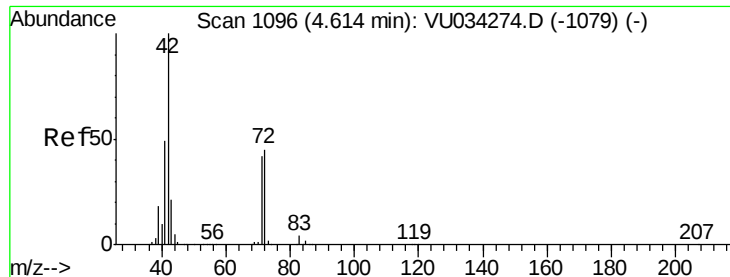
Bromochloromethane
 Concen: 20.179 ug/l
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion: 49 Resp: 65478
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 86.5 65.2 97.8



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





#29

Tetrahydrofuran

Concen: 103.614 ug/l

RT: 4.62 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

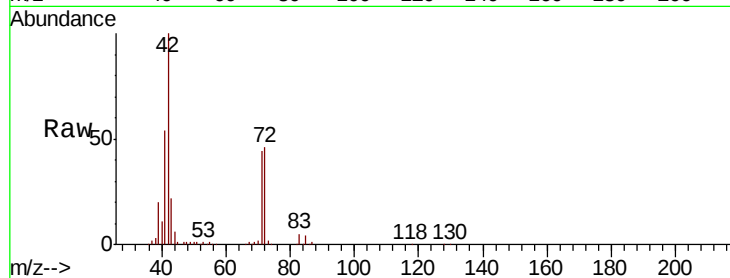
Tgt Ion: 42 Resp: 191910

Ion Ratio Lower Upper

42 100

72 46.4 36.6 54.8

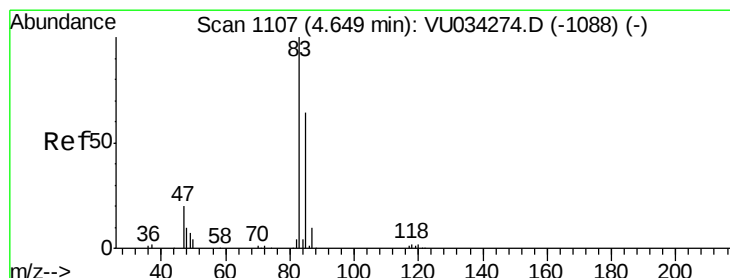
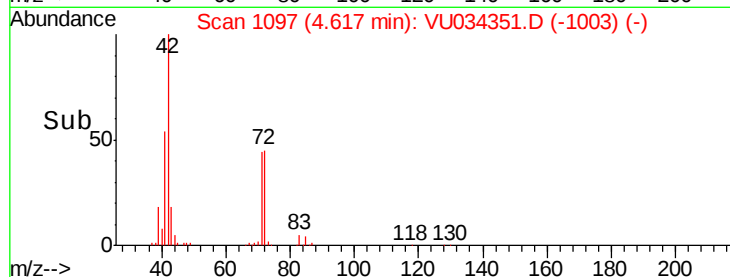
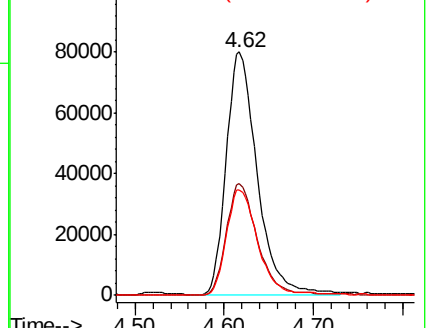
71 44.7 34.3 51.5



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 19.633 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VU034351.D

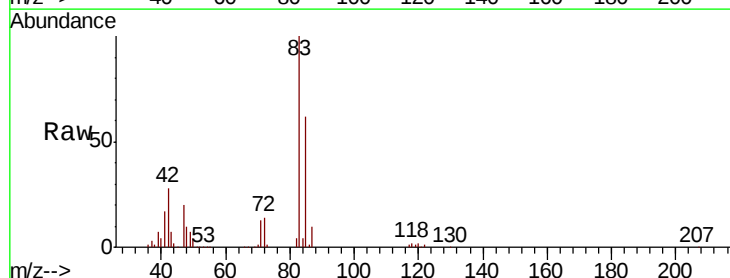
Acq: 06 Sep 2019 23:55

Tgt Ion: 83 Resp: 140789

Ion Ratio Lower Upper

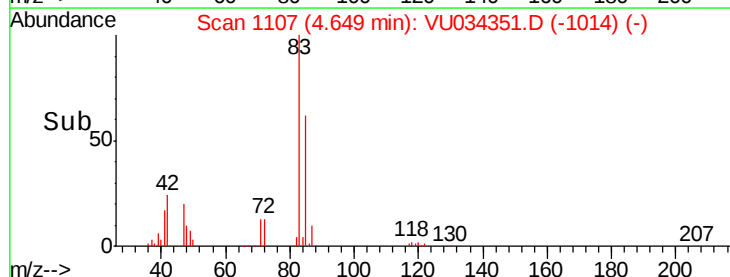
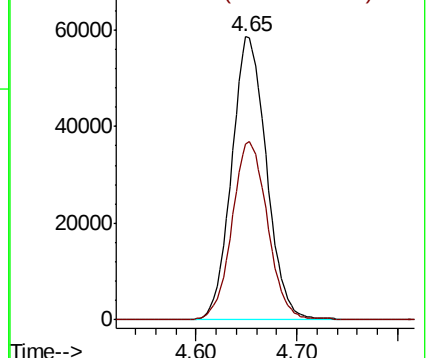
83 100

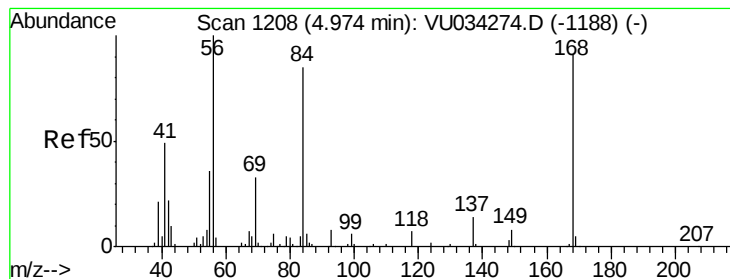
85 62.1 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 19.507 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

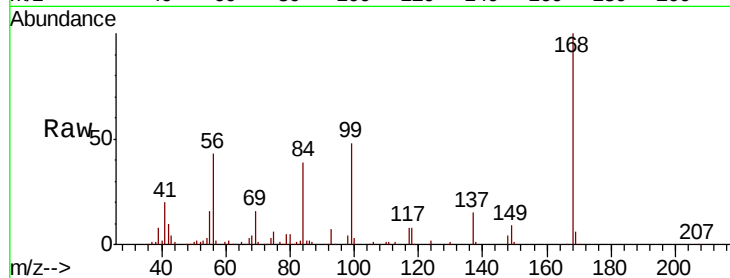
Tgt Ion: 56 Resp: 100677

Ion Ratio Lower Upper

56 100

69 37.0 26.7 40.1

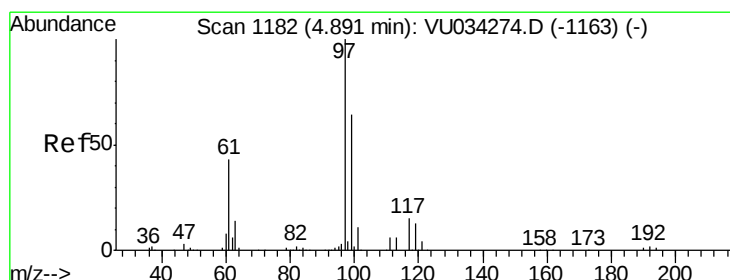
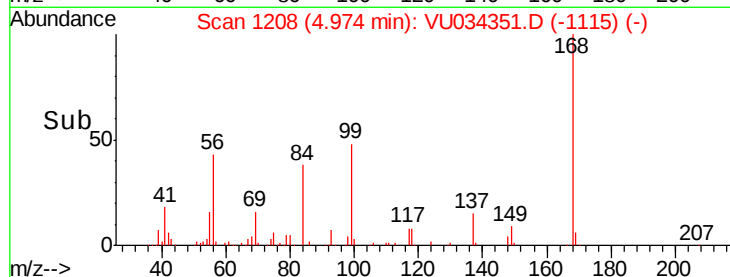
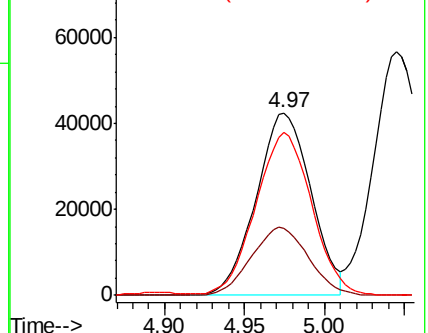
84 88.4 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU034351.D (-1115) (-)

Ion 69.00 (68.70 to 69.70): VU034351.D (-1115) (-)

Ion 84.00 (83.70 to 84.70): VU034351.D (-1115) (-)



#32

1,1,1-Trichloroethane

Concen: 19.783 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

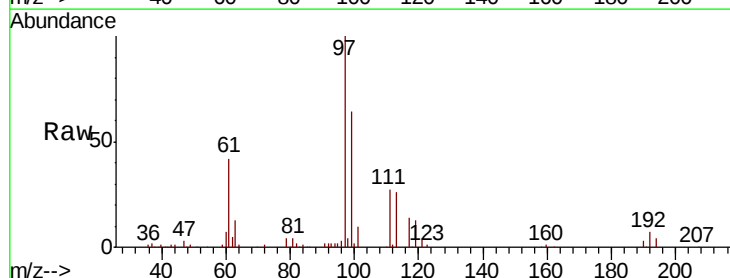
Tgt Ion: 97 Resp: 113419

Ion Ratio Lower Upper

97 100

99 63.0 50.9 76.3

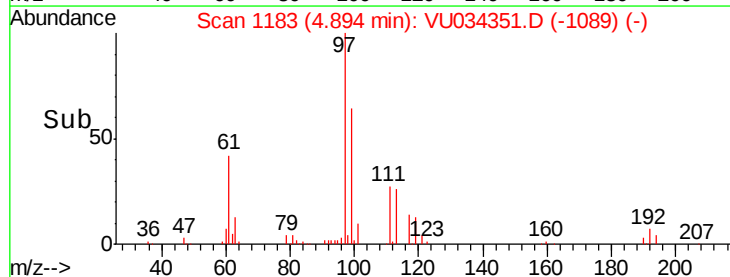
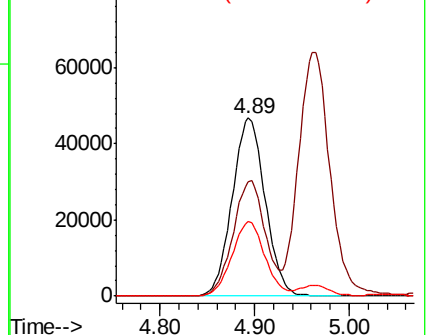
61 41.8 34.7 52.1

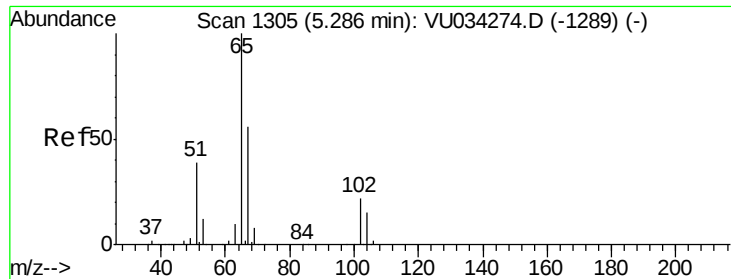


Abundance Ion 96.90 (96.60 to 97.60): VU034351.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034351.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034351.D (-1089) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.637 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

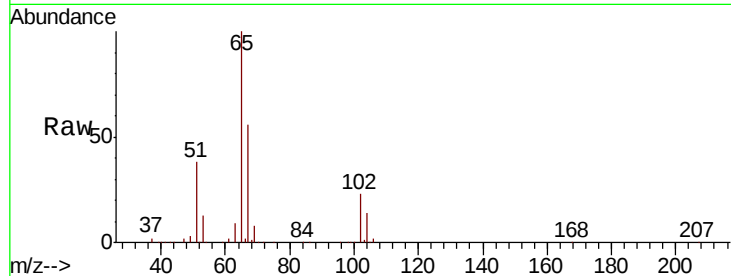
VU0907WBS02

Tgt Ion: 65 Resp: 223121

Ion Ratio Lower Upper

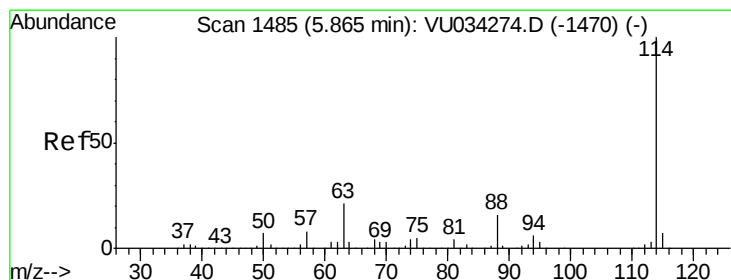
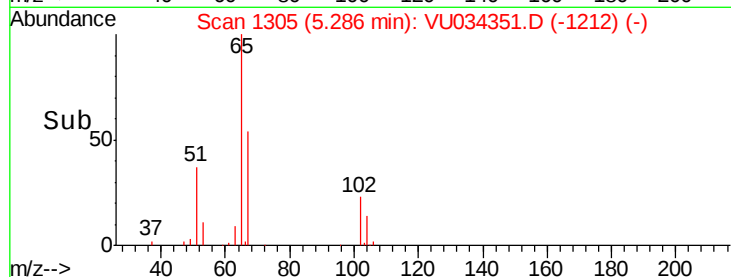
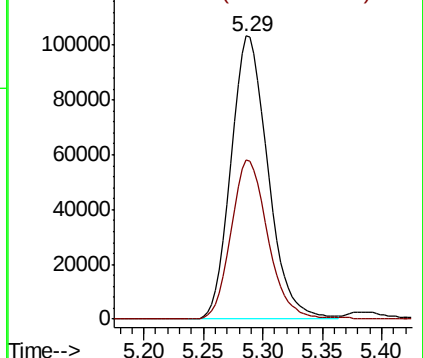
65 100

67 56.0 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034351.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034351.D (-1212) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

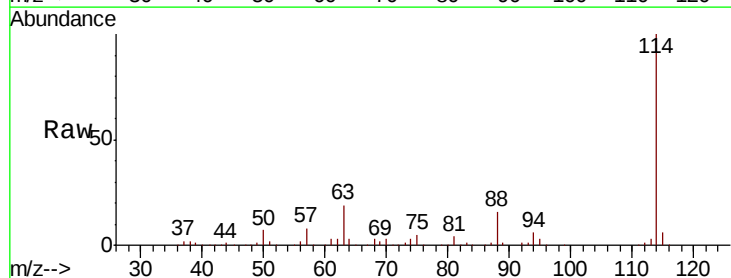
Tgt Ion: 114 Resp: 425351

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

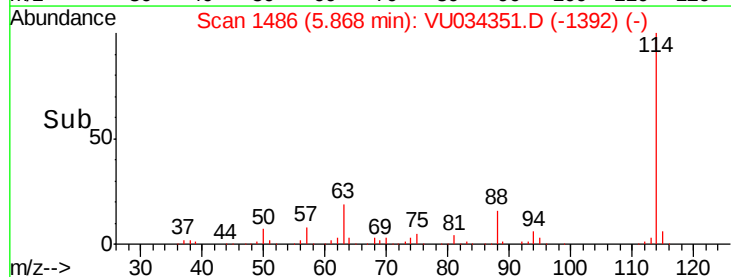
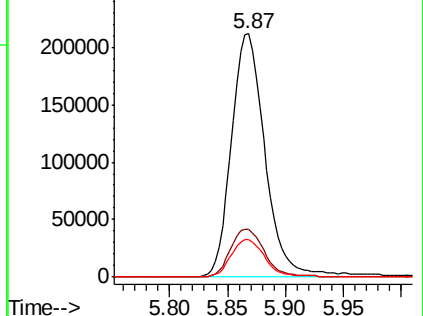
88 15.6 0.0 32.4

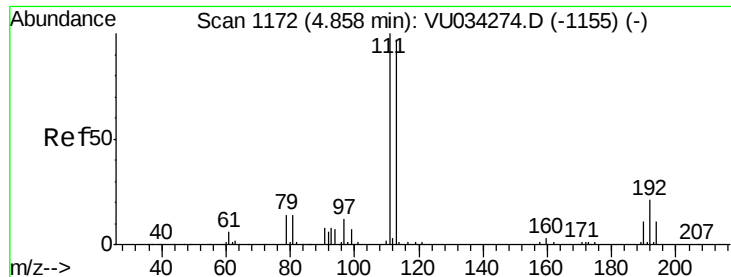


Abundance Ion 113.90 (113.60 to 114.60): VU034351.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034351.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034351.D (-1392) (-)

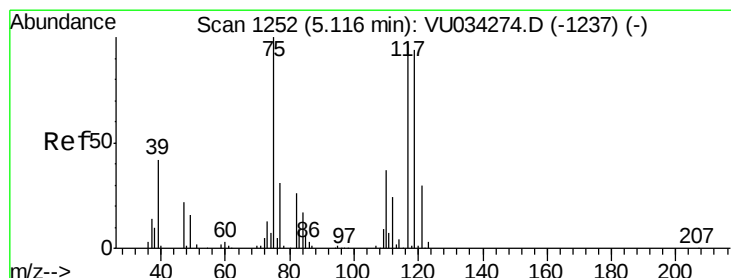
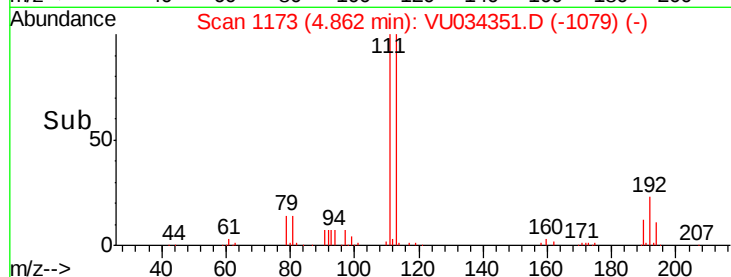
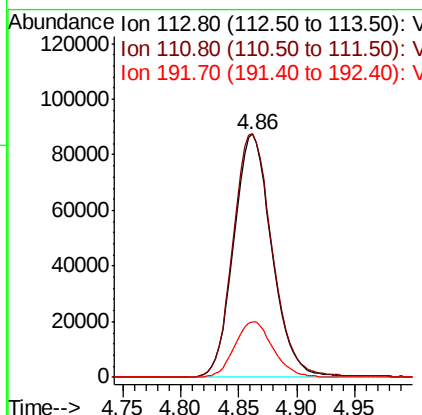
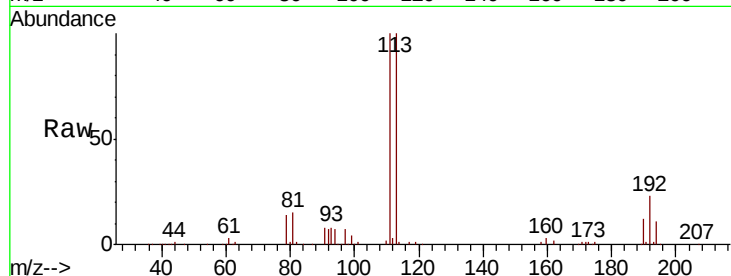




#35
 Dibromofluoromethane
 Concen: 50.378 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

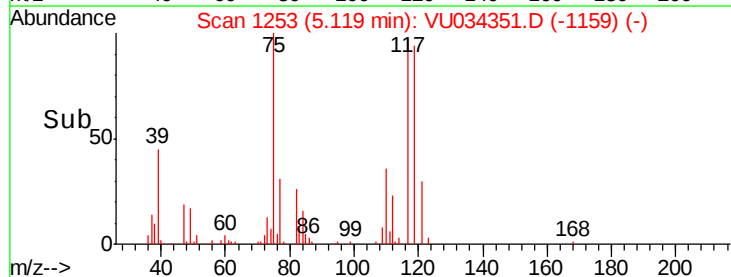
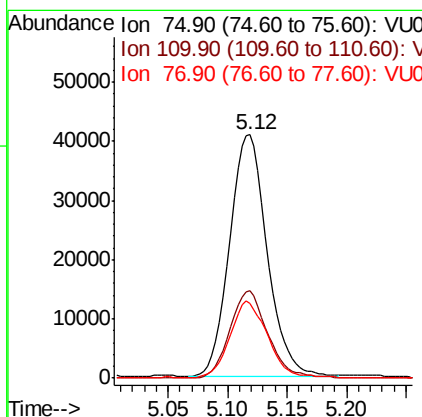
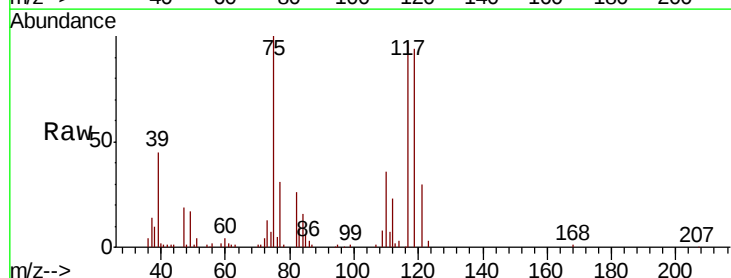
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

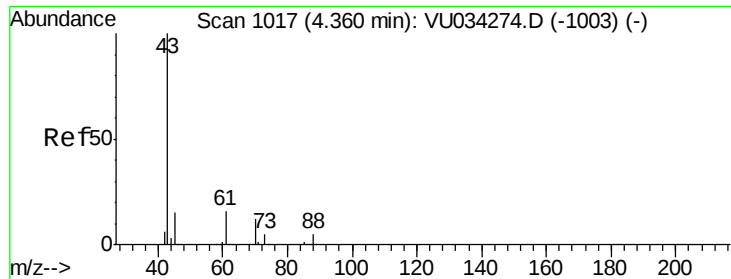
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	23.2	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 19.440 ug/l
 RT: 5.12 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.9
77	32.1	24.9	37.3

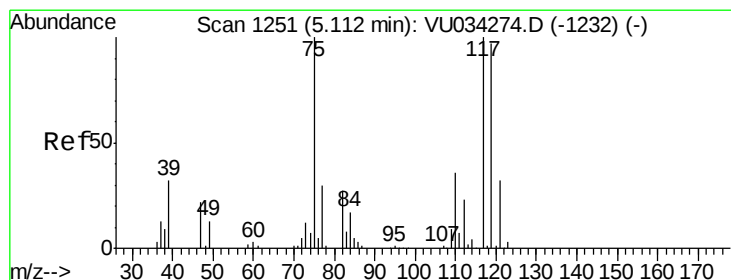
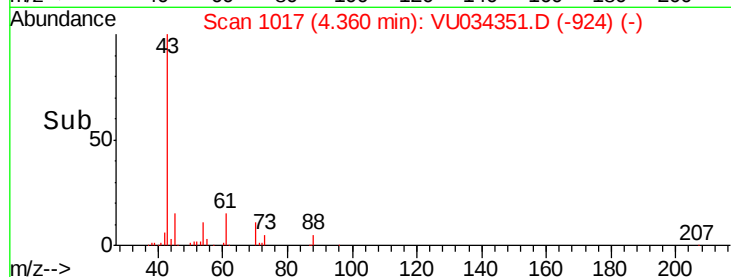
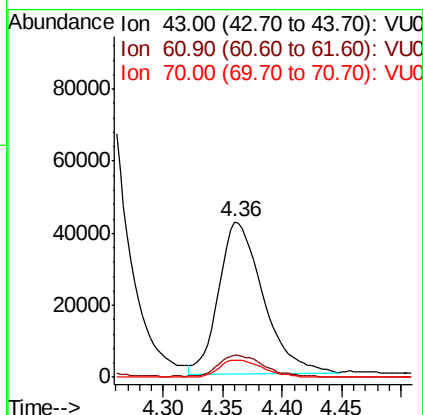
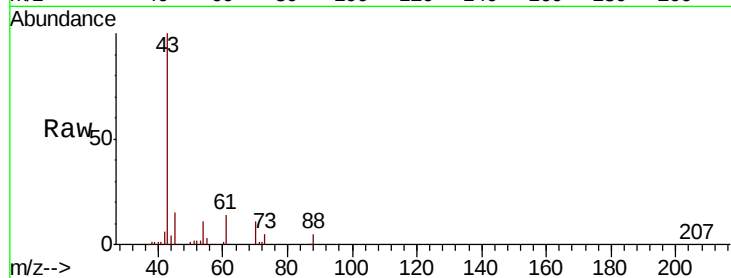




#37
 Ethyl Acetate
 Concen: 19.956 ug/l
 RT: 4.36 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

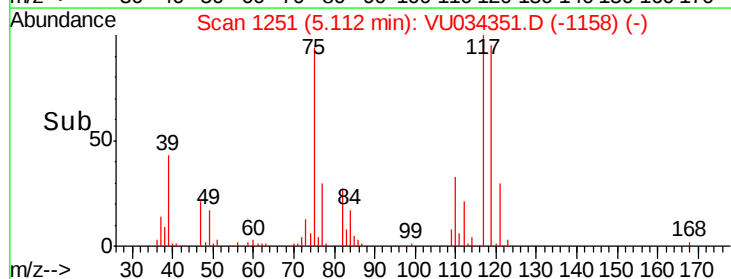
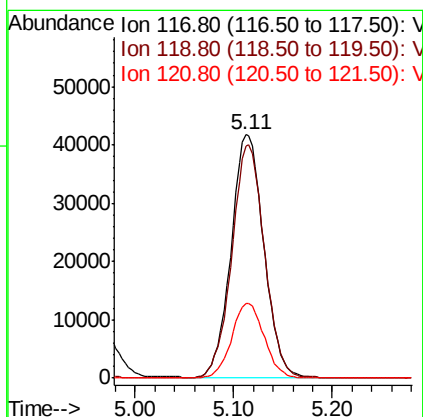
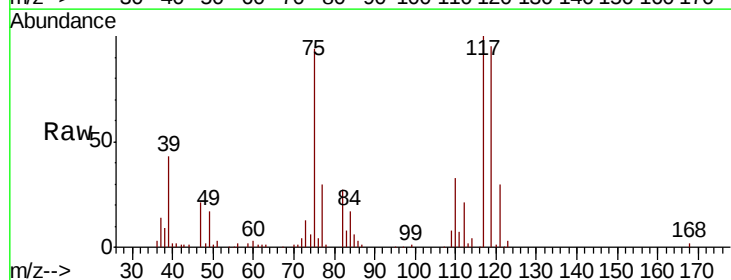
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

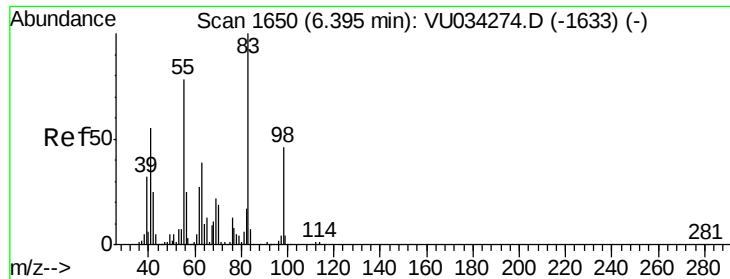
Tgt Ion: 43 Resp: 108843
 Ion Ratio Lower Upper
 43 100
 61 14.3 12.3 18.5
 70 11.4 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 19.647 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion: 117 Resp: 96769
 Ion Ratio Lower Upper
 117 100
 119 95.4 77.8 116.6
 121 30.4 25.2 37.8

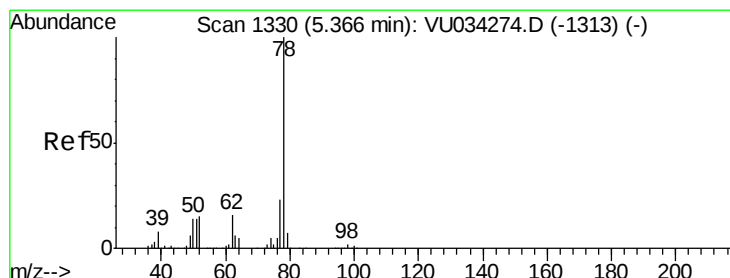
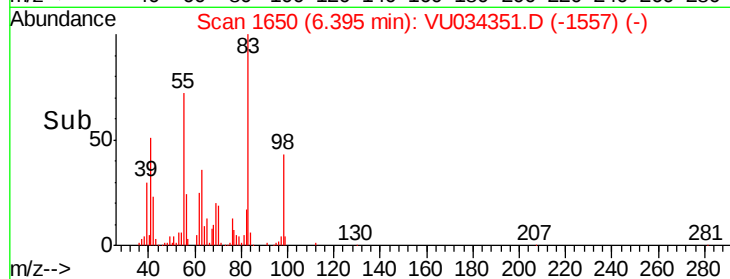
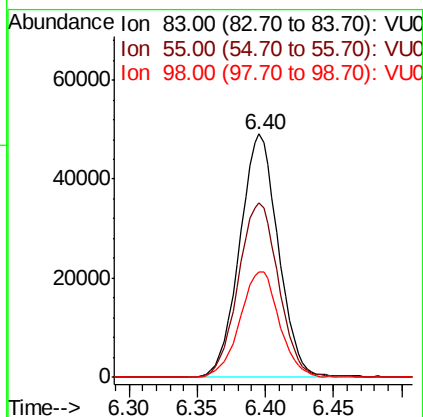
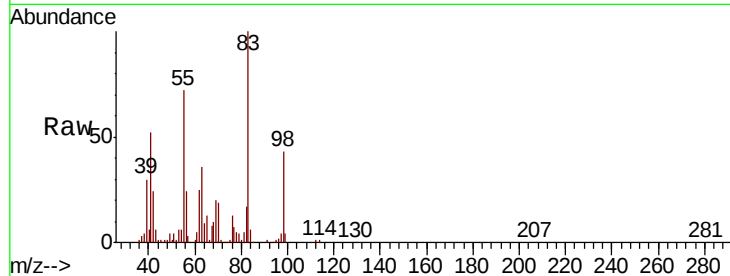




#39
Methylcyclohexane
Concen: 19.557 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

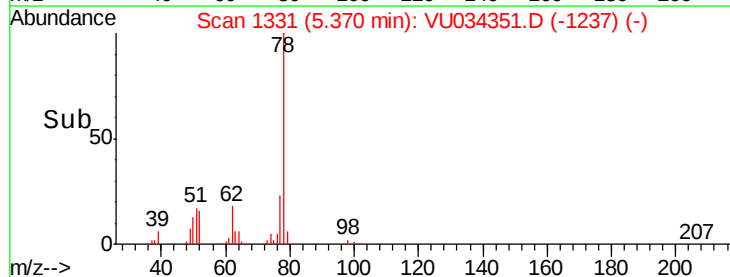
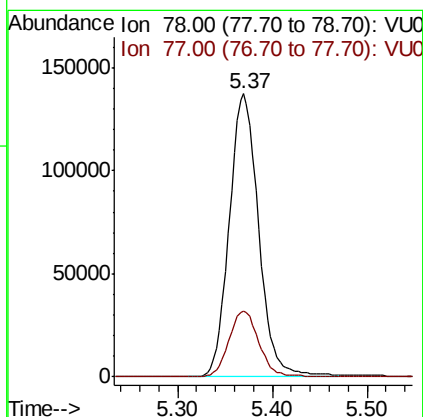
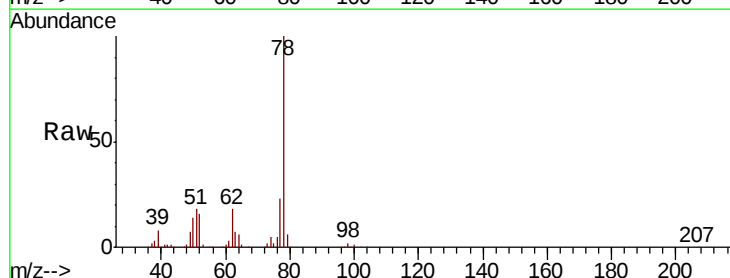
Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

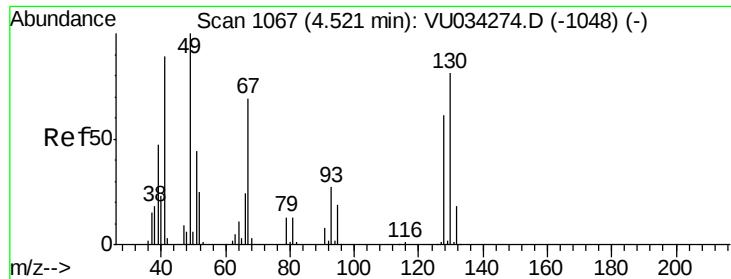
Tgt Ion: 83 Resp: 96439
Ion Ratio Lower Upper
83 100
55 71.6 62.1 93.1
98 43.2 37.0 55.6



#40
Benzene
Concen: 19.985 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion: 78 Resp: 297469
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

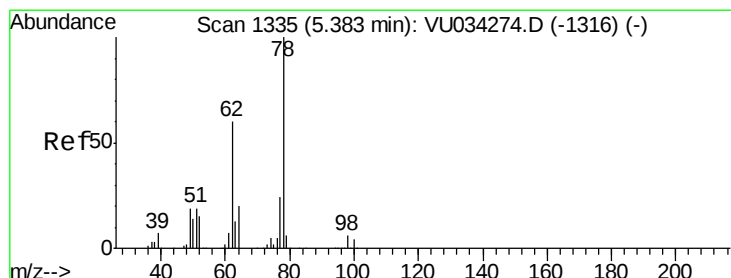
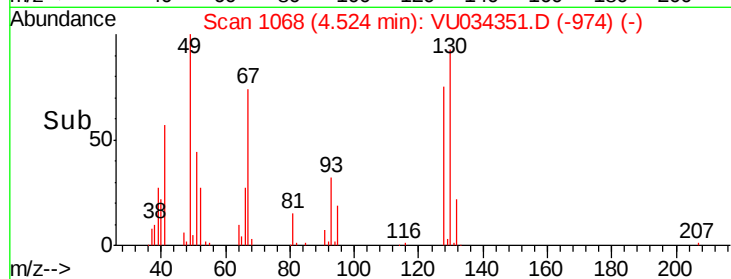
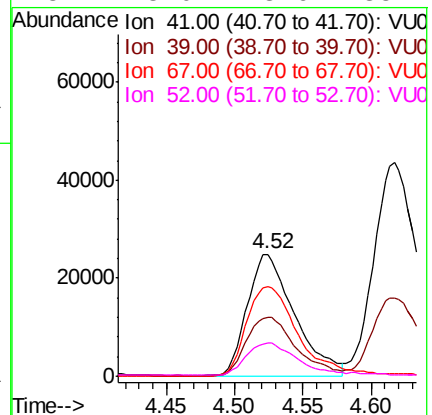
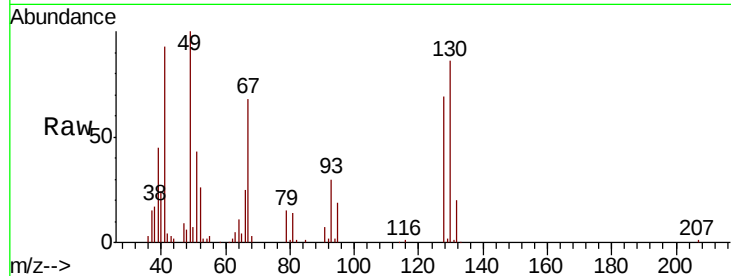




#41
Methacrylonitrile
Concen: 20.689 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

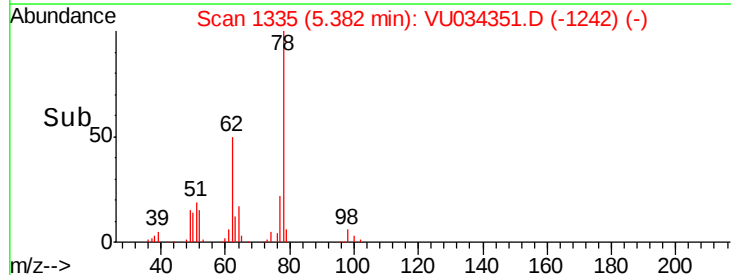
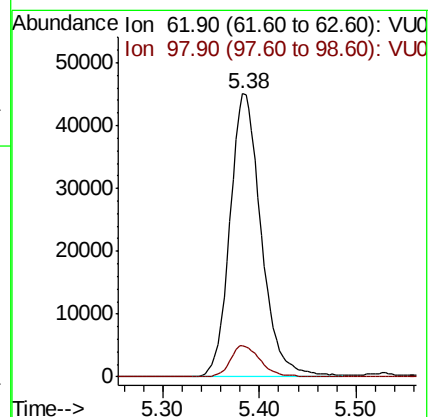
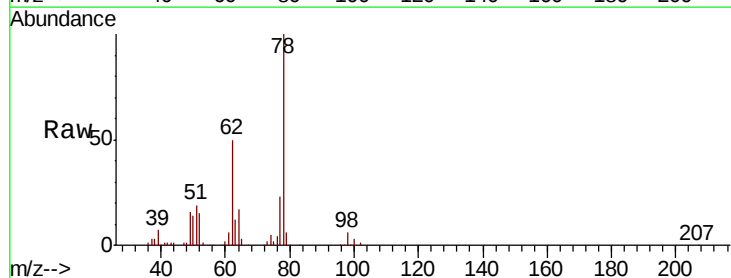
Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

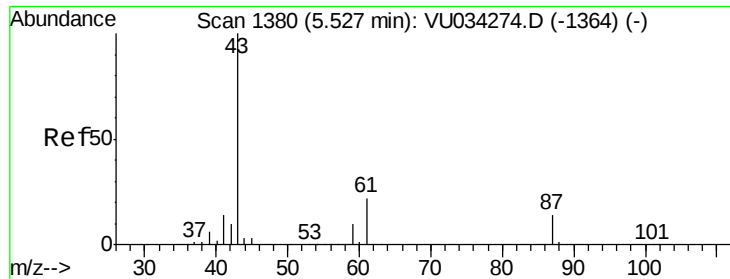
Tgt Ion:	41	Resp:	60105
Ion	Ratio	Lower	Upper
41	100		
39	50.1	41.0	61.4
67	81.6	62.4	93.6
52	28.0	23.6	35.4



#42
1,2-Dichloroethane
Concen: 19.610 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion:	62	Resp:	101344
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.0





#43

Isopropyl Acetate

Concen: 20.001 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

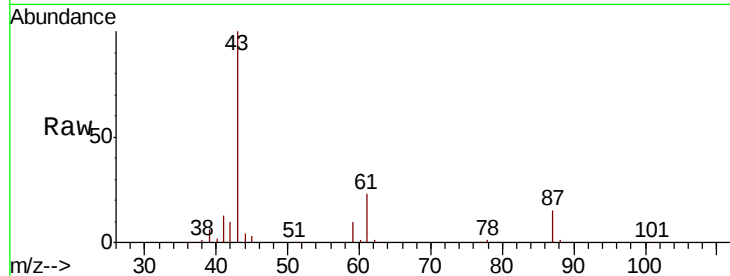
Tgt Ion: 43 Resp: 170175

Ion Ratio Lower Upper

43 100

61 22.3 17.1 25.7

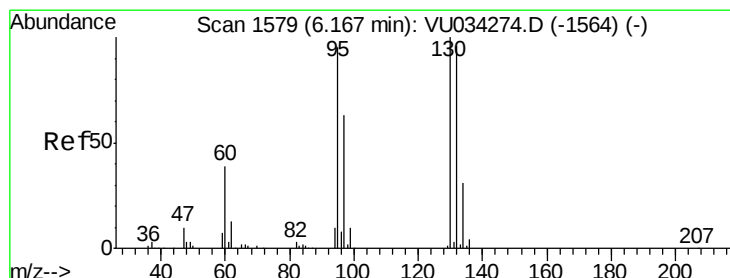
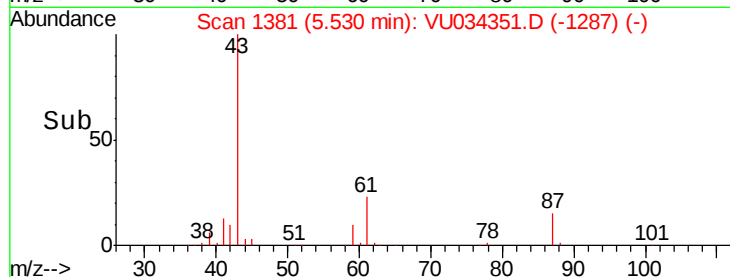
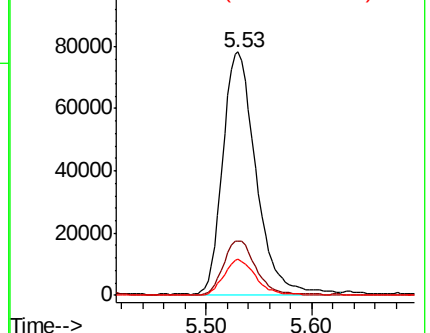
87 14.4 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034351.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034351.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034351.D (-1287) (-)



#44

Trichloroethene

Concen: 20.497 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VU034351.D

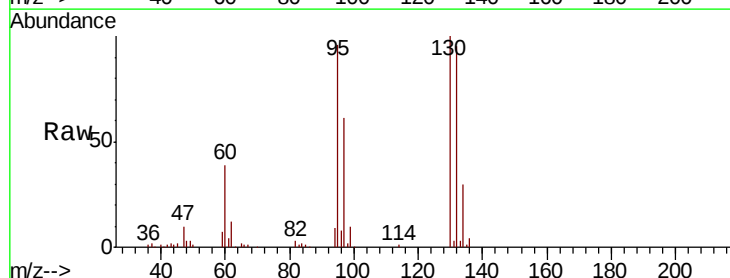
Acq: 06 Sep 2019 23:55

Tgt Ion: 130 Resp: 84425

Ion Ratio Lower Upper

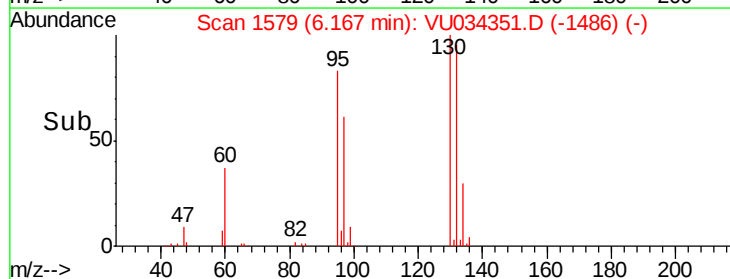
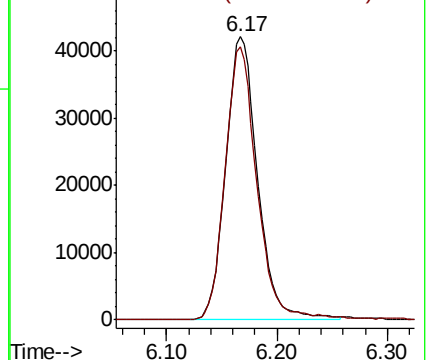
130 100

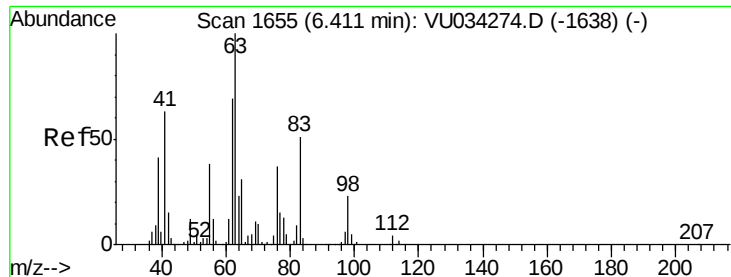
95 96.4 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034351.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034351.D (-1486) (-)





#45

1,2-Dichloropropane

Concen: 19.880 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

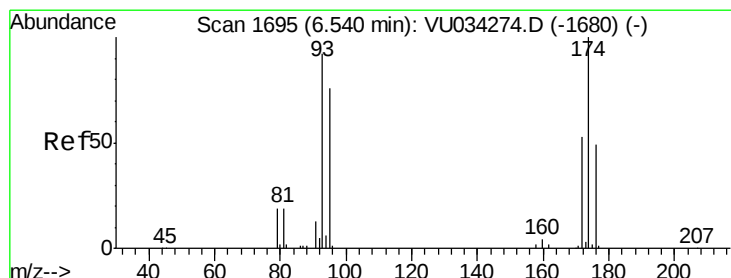
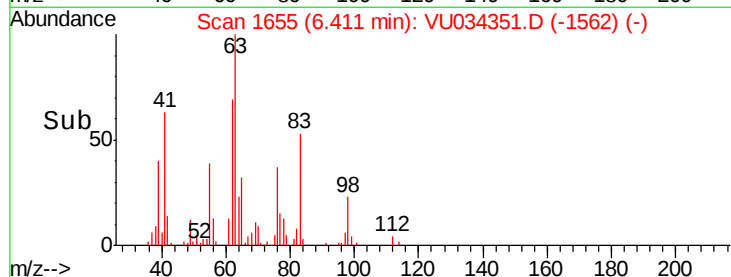
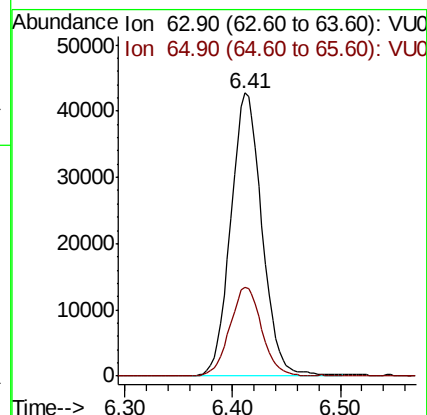
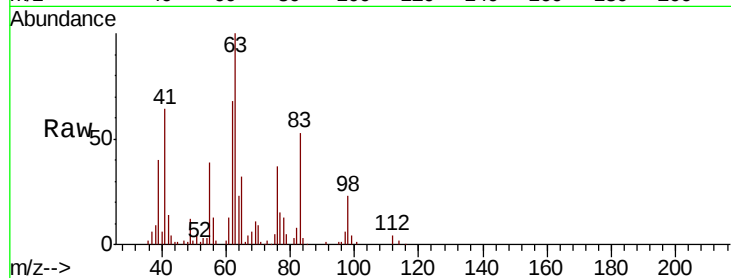
VU0907WBS02

Tgt Ion: 63 Resp: 86509

Ion Ratio Lower Upper

63 100

65 31.5 24.6 37.0



#46

Dibromomethane

Concen: 19.799 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

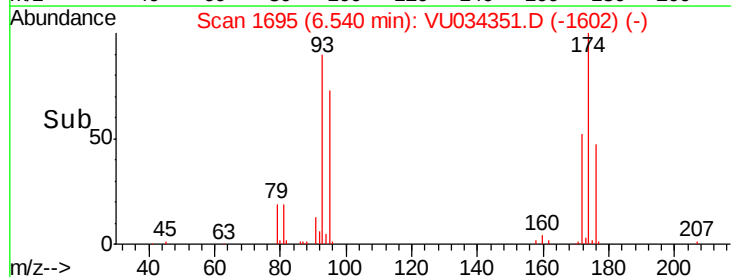
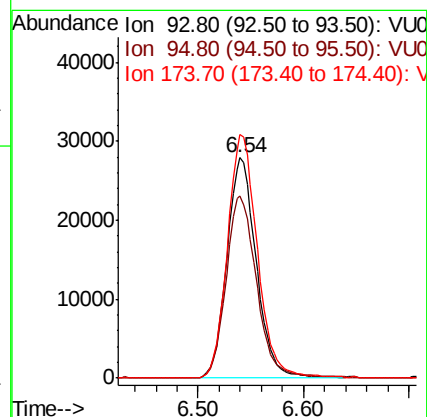
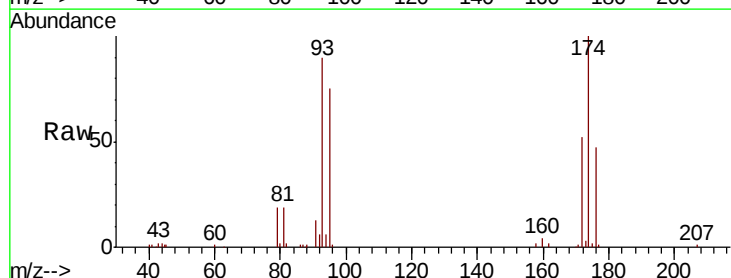
Tgt Ion: 93 Resp: 54079

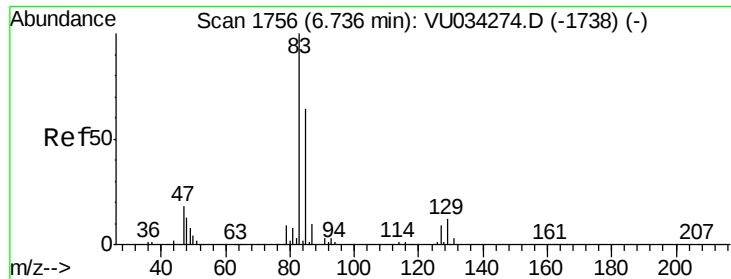
Ion Ratio Lower Upper

93 100

95 85.0 66.5 99.7

174 112.6 87.8 131.6





#47

Bromodichloromethane

Concen: 19.765 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

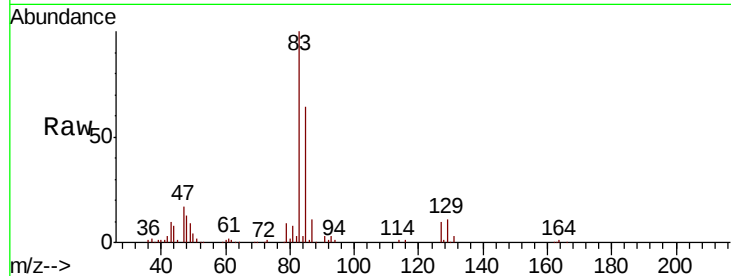
Tgt Ion: 83 Resp: 111128

Ion Ratio Lower Upper

83 100

85 63.6 51.1 76.7

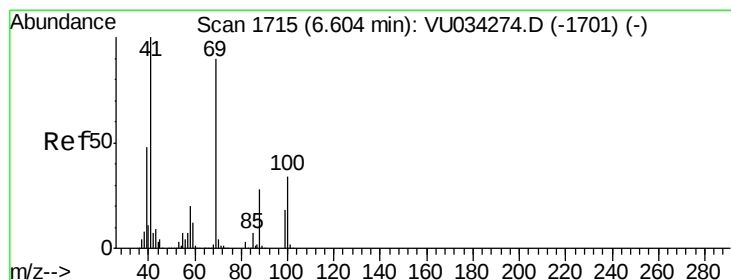
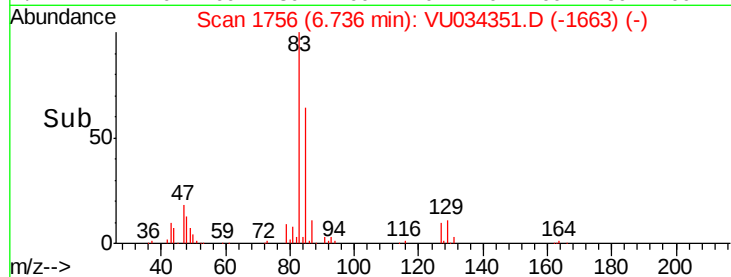
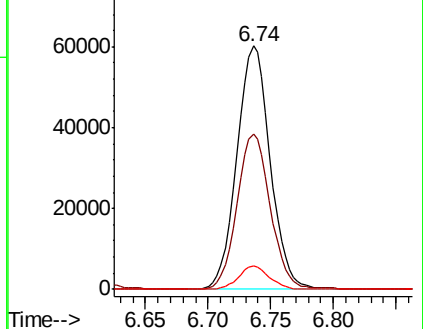
127 9.6 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034351.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034351.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034351.D (-1663) (-)



#48

Methyl methacrylate

Concen: 19.464 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

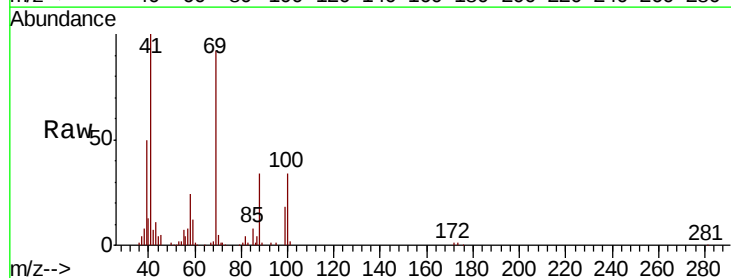
Tgt Ion: 41 Resp: 78656

Ion Ratio Lower Upper

41 100

69 95.4 72.8 109.2

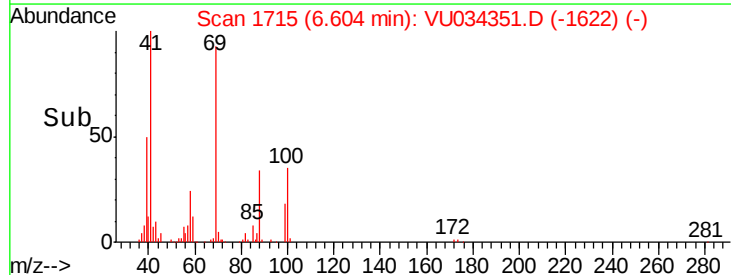
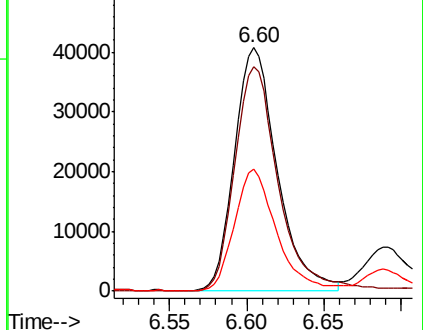
39 48.5 38.6 58.0

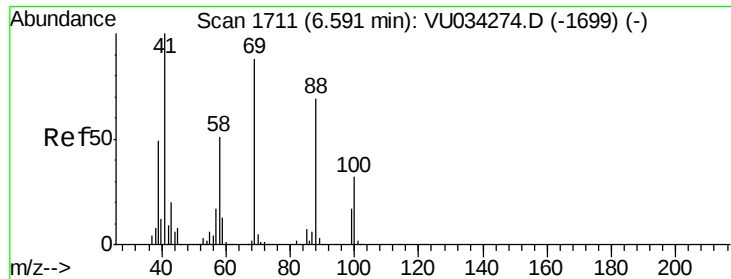


Abundance Ion 41.00 (40.70 to 41.70): VU034351.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034351.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034351.D (-1622) (-)

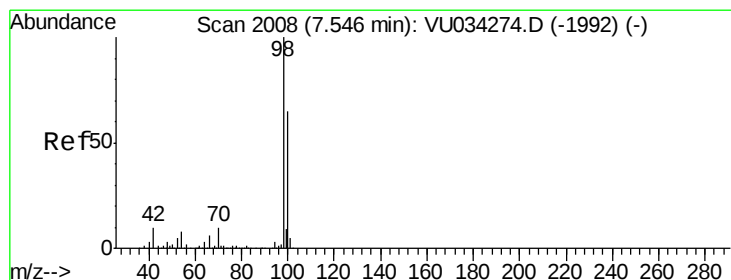
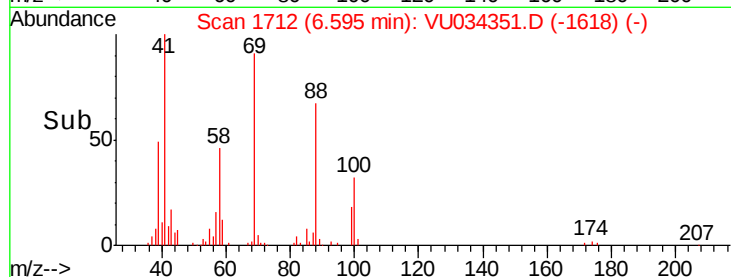
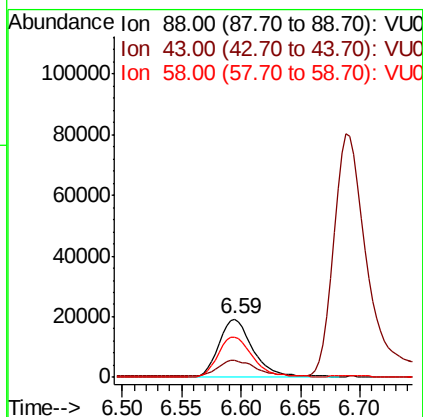
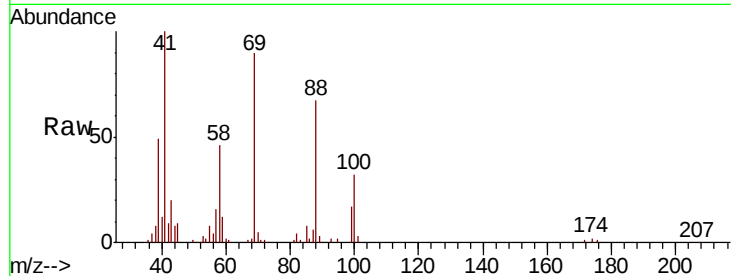




#49
1,4-Dioxane
Concen: 439.563 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

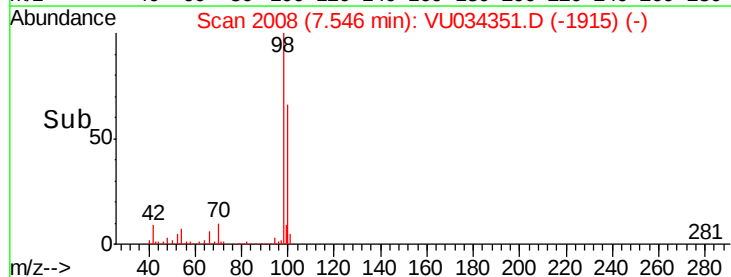
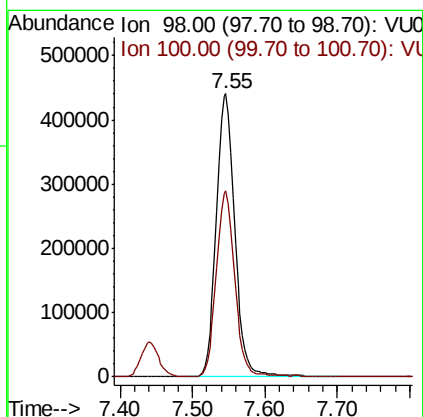
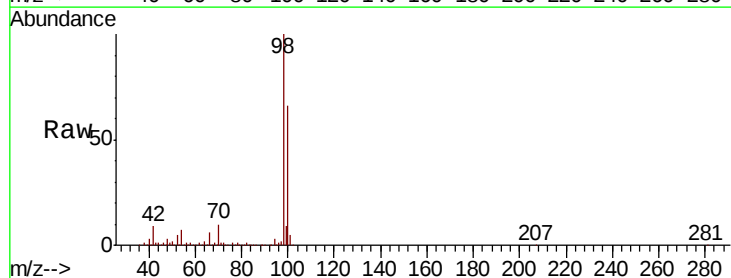
Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

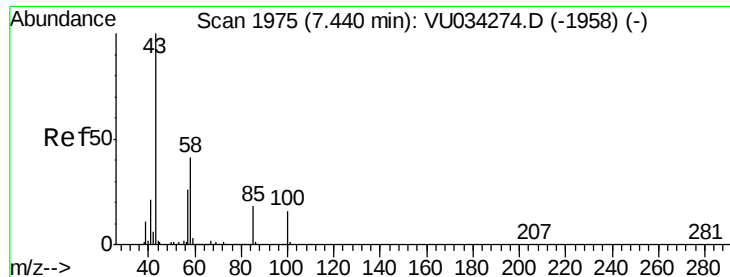
Tgt Ion: 88 Resp: 38788
Ion Ratio Lower Upper
88 100
43 29.4 23.8 35.6
58 70.1 58.4 87.6



#50
Toluene-d8
Concen: 52.911 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion: 98 Resp: 786787
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

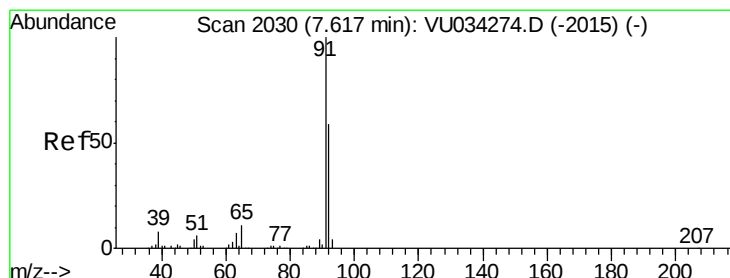
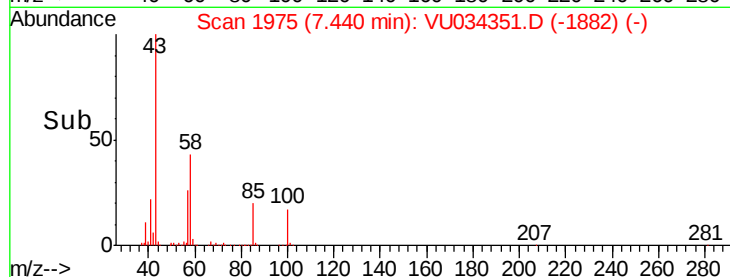
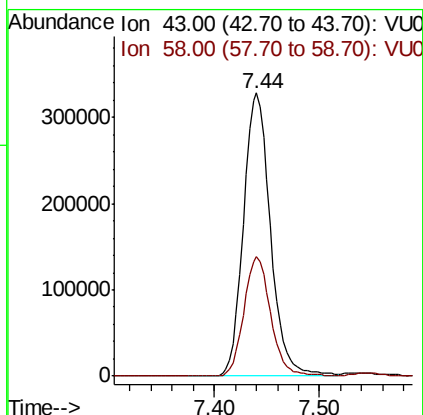
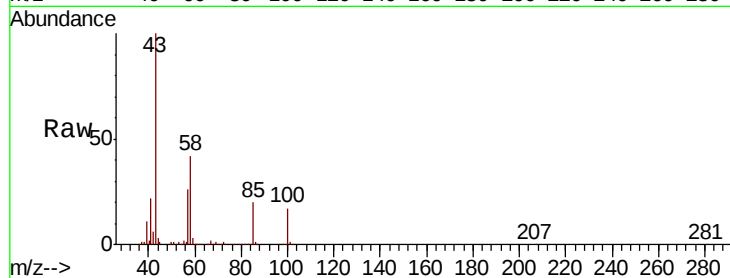




#51
 4-Methyl-2-Pentanone
 Concen: 98.862 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

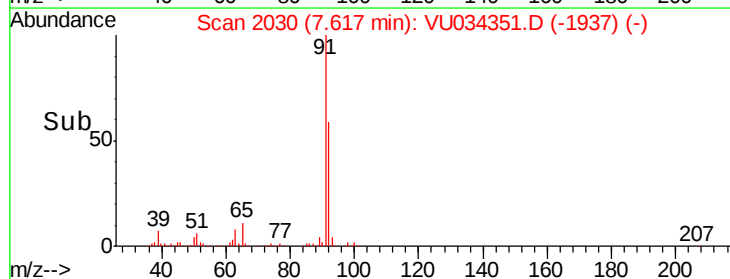
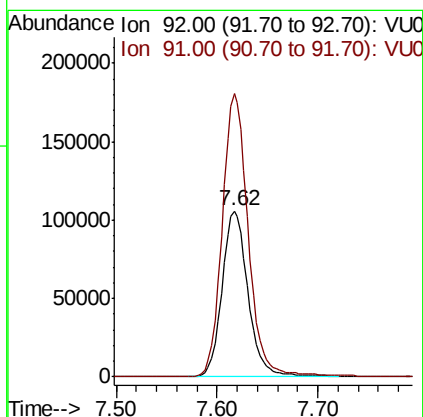
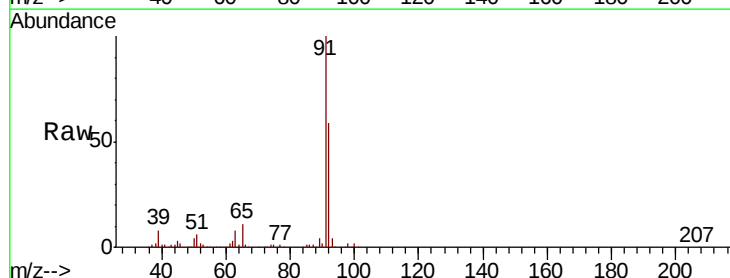
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

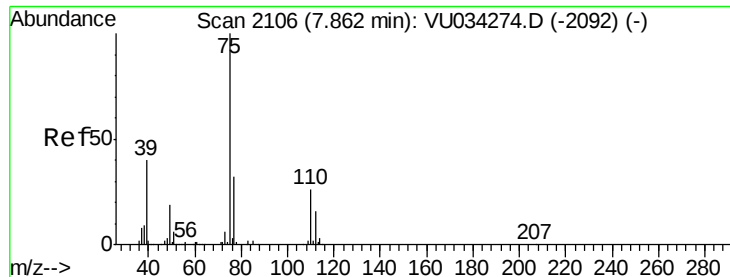
Tgt Ion: 43 Resp: 582235
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.0 49.4



#52
 Toluene
 Concen: 20.456 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion: 92 Resp: 191009
 Ion Ratio Lower Upper
 92 100
 91 171.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.871 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

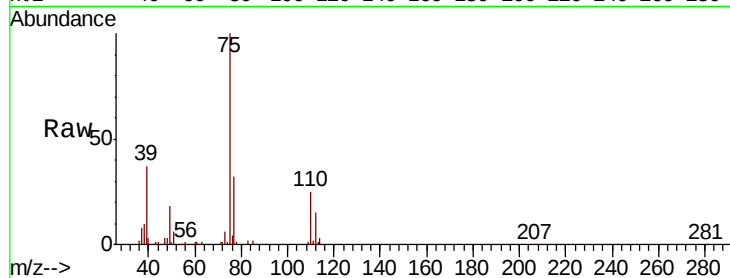
VU0907WBS02

Tgt Ion: 75 Resp: 109989

Ion Ratio Lower Upper

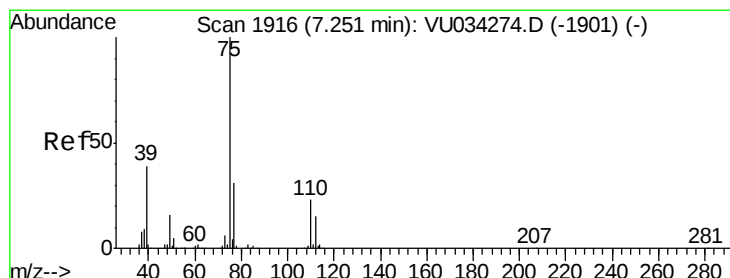
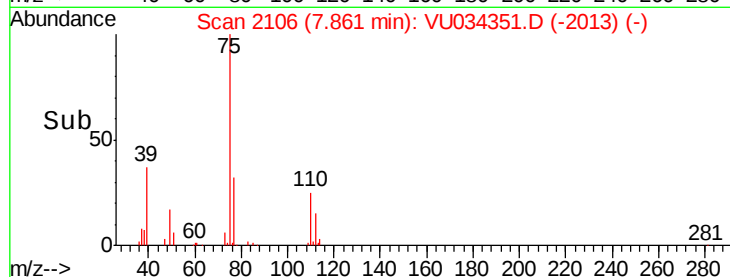
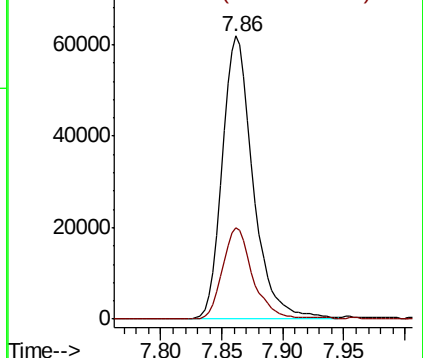
75 100

77 32.2 25.7 38.5



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: 19.545 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

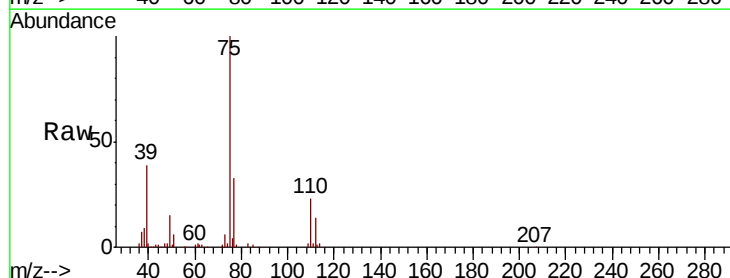
Tgt Ion: 75 Resp: 125026

Ion Ratio Lower Upper

75 100

77 33.1 25.1 37.7

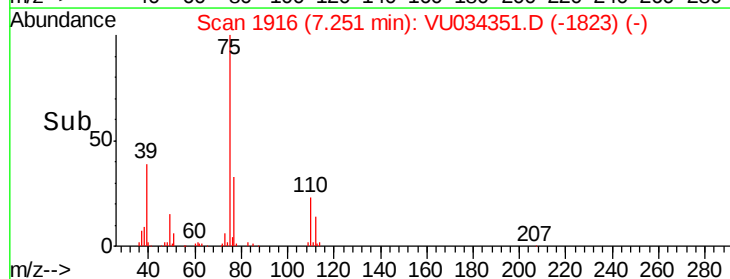
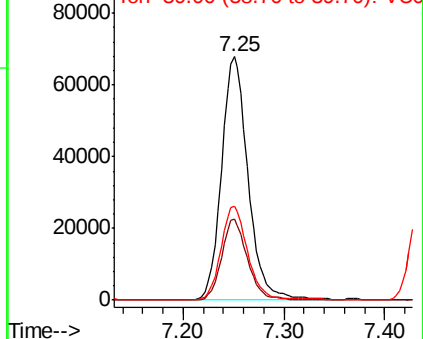
39 38.6 31.2 46.8

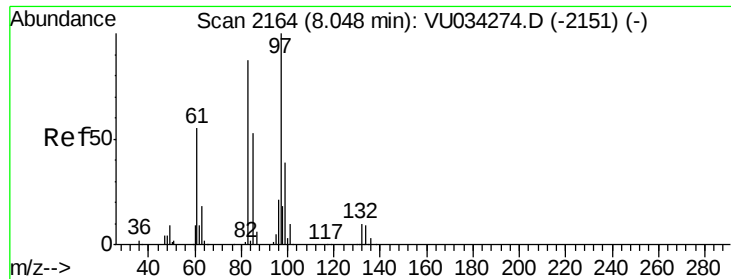


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

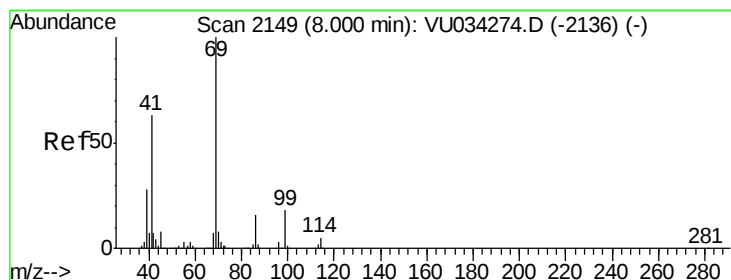
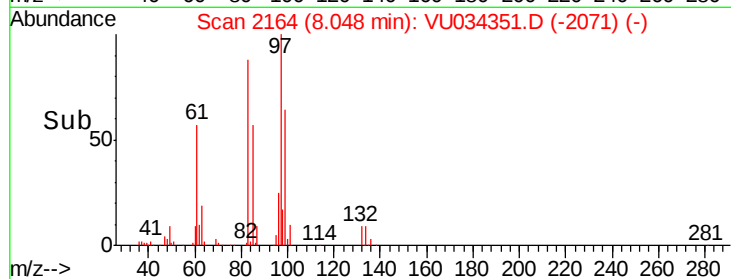
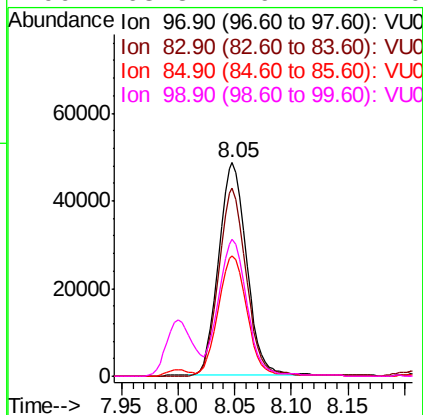
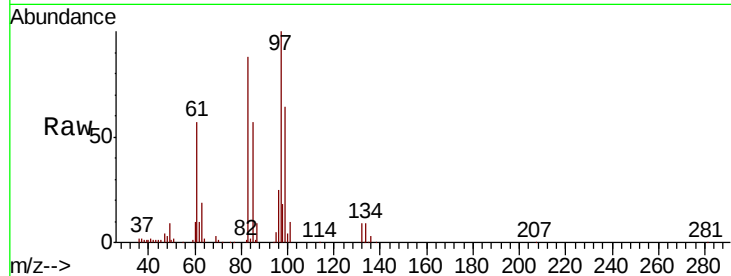




#55
 1,1,2-Trichloroethane
 Concen: 19.757 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

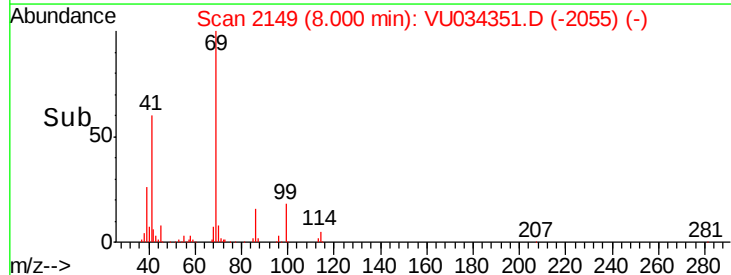
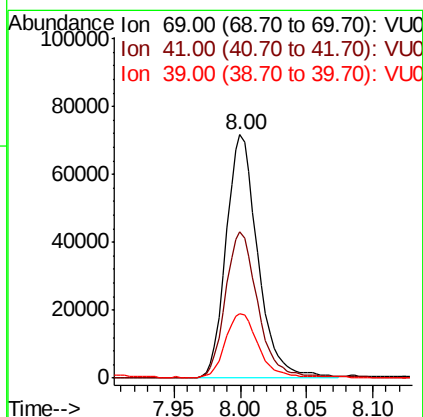
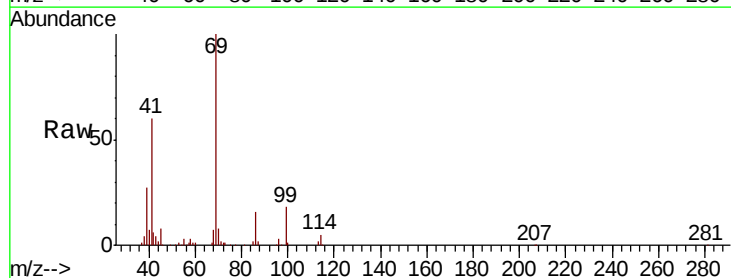
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

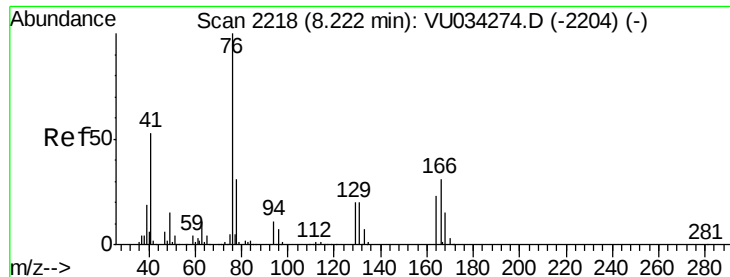
Tgt Ion:	97	Resp:	83768
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.0	103.6
85	56.4	44.2	66.2
99	63.8	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 20.480 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion:	69	Resp:	119458
Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.5	74.3
39	26.8	22.5	33.7





#57

1,3-Dichloropropane

Concen: 19.815 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

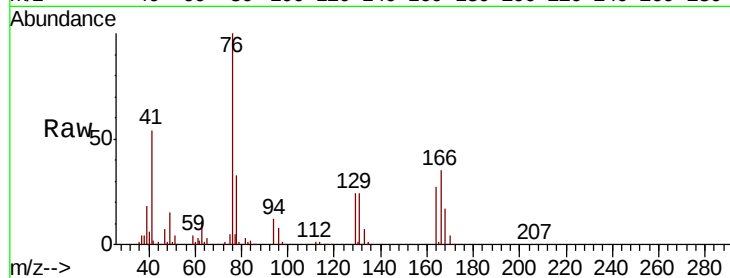
VU0907WBS02

Tgt Ion: 76 Resp: 136802

Ion Ratio Lower Upper

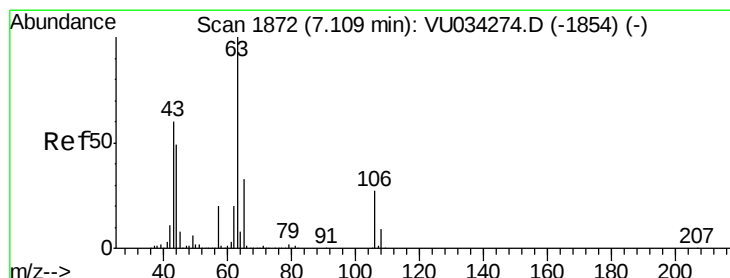
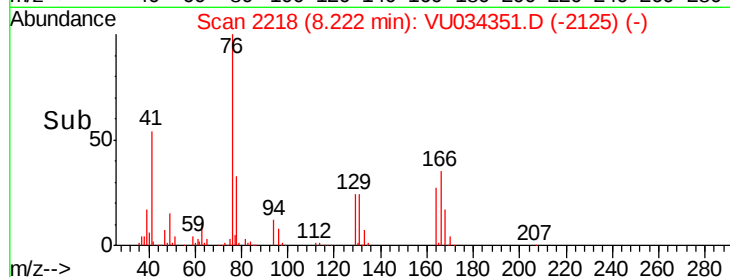
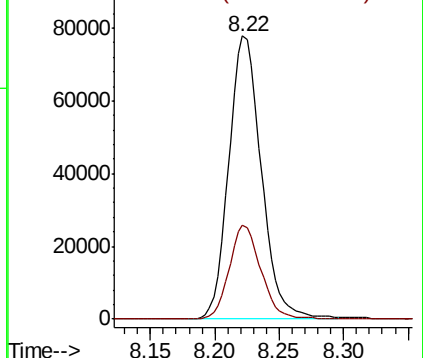
76 100

78 32.3 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 94.645 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034351.D

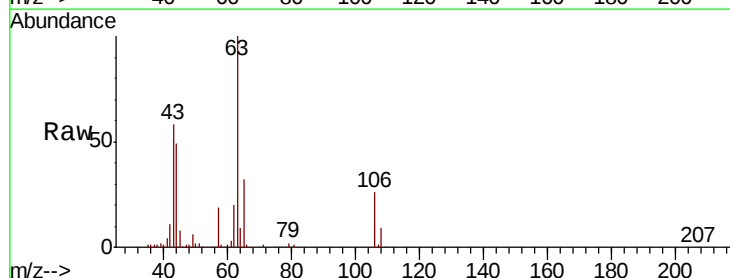
Acq: 06 Sep 2019 23:55

Tgt Ion: 63 Resp: 182158

Ion Ratio Lower Upper

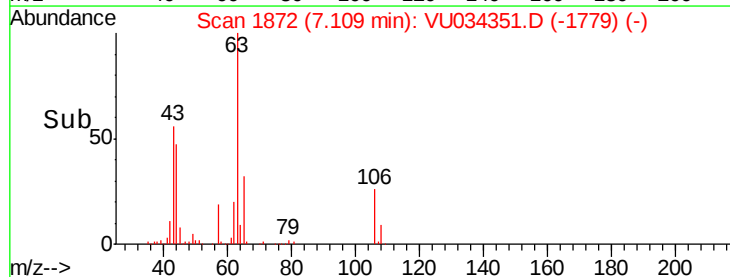
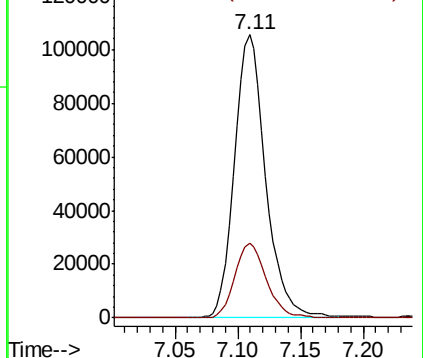
63 100

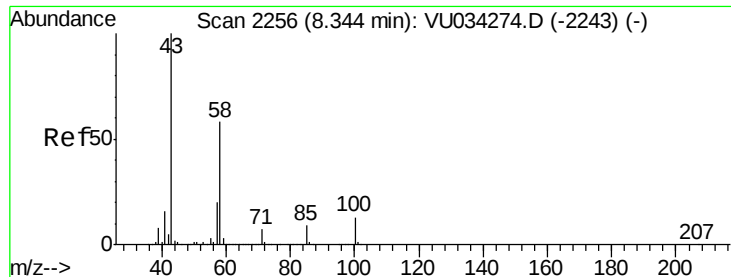
106 26.7 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

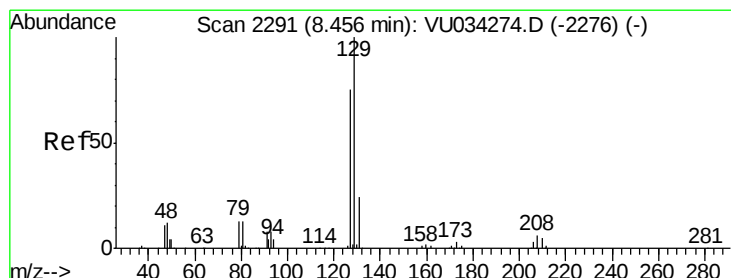
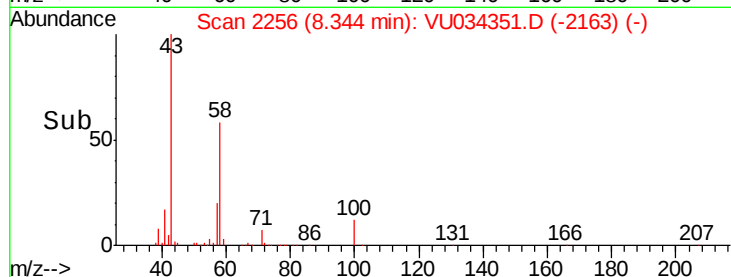
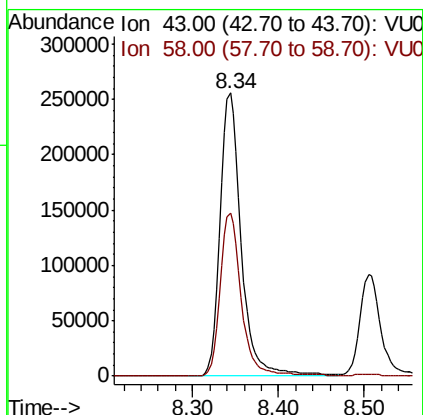
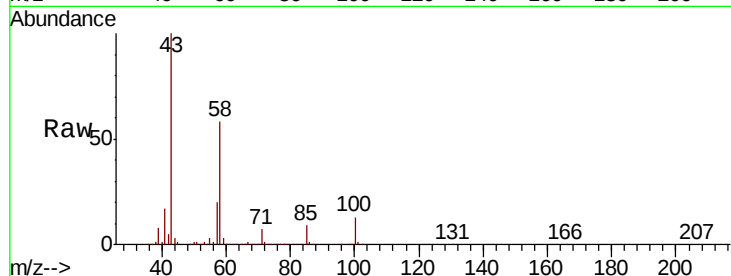




#59
2-Hexanone
Concen: 99.159 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

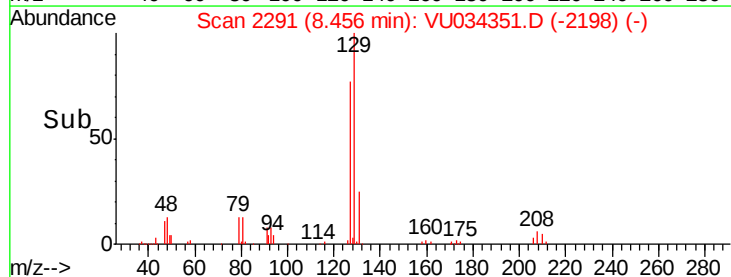
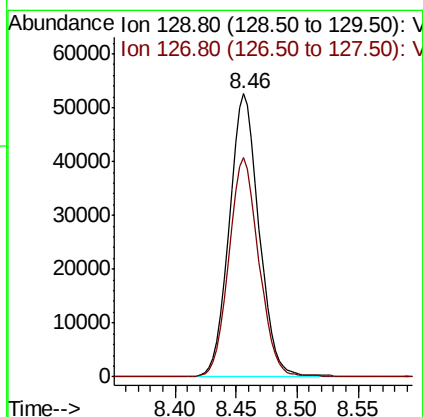
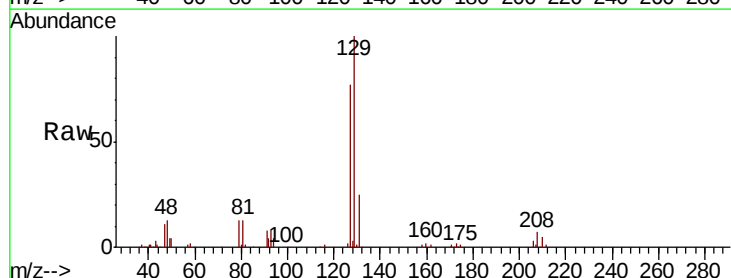
Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tgt Ion: 43 Resp: 436266
Ion Ratio Lower Upper
43 100
58 58.2 28.8 86.5



#60
Dibromochloromethane
Concen: 19.696 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion: 129 Resp: 89572
Ion Ratio Lower Upper
129 100
127 78.3 37.9 113.7





#61

1,2-Dibromoethane

Concen: 20.011 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

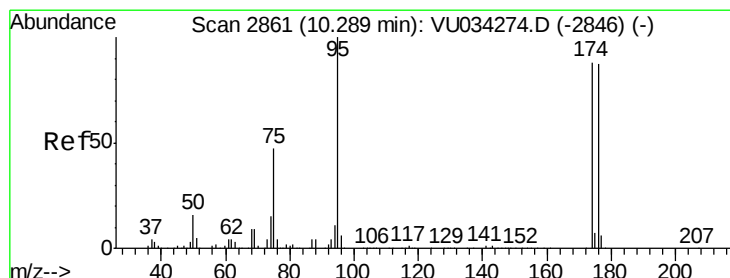
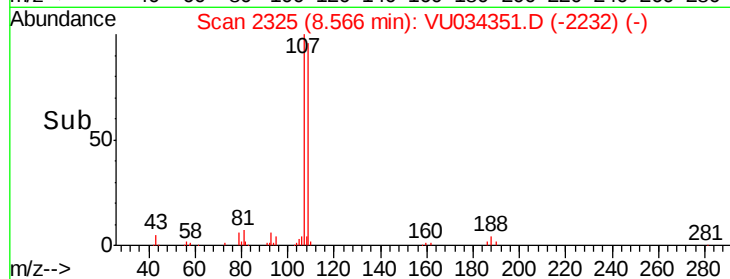
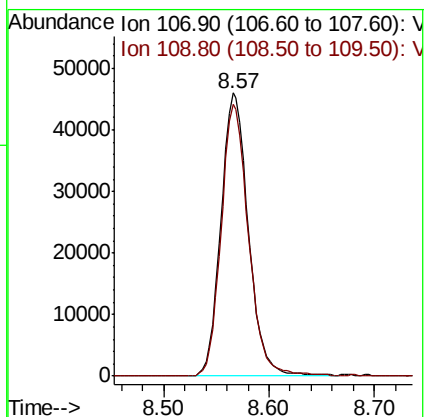
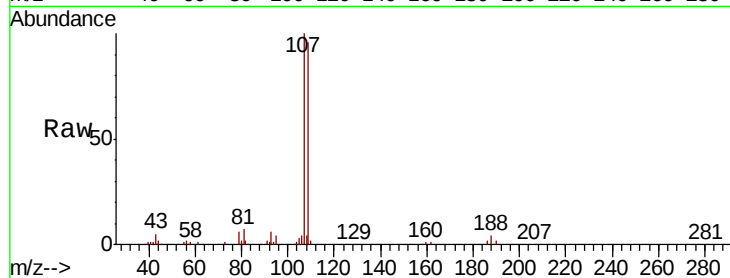
VU0907WBS02

Tgt Ion: 107 Resp: 83043

Ion Ratio Lower Upper

107 100

109 95.6 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 50.421 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

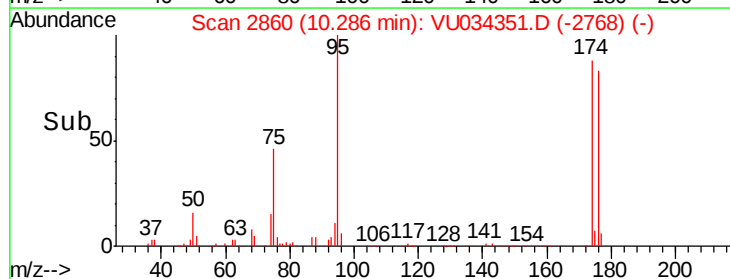
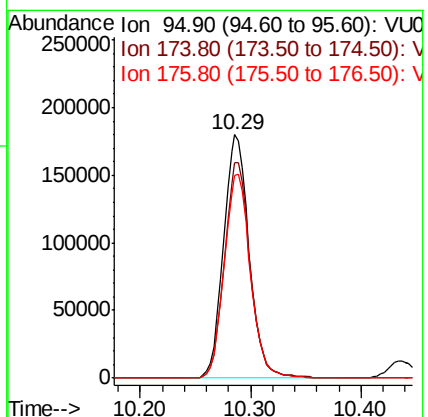
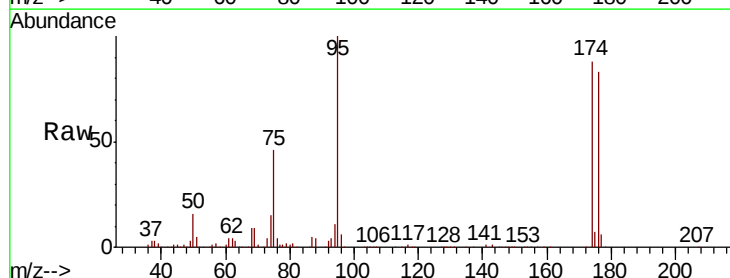
Tgt Ion: 95 Resp: 289474

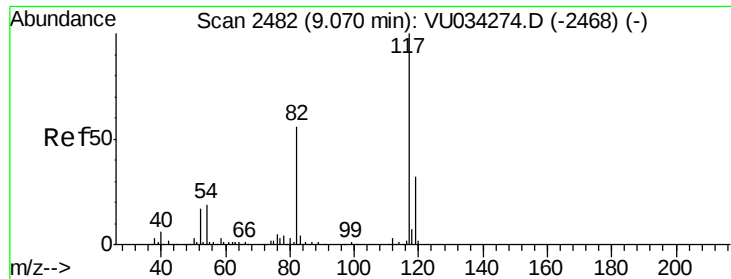
Ion Ratio Lower Upper

95 100

174 89.5 0.0 175.2

176 85.8 0.0 168.0

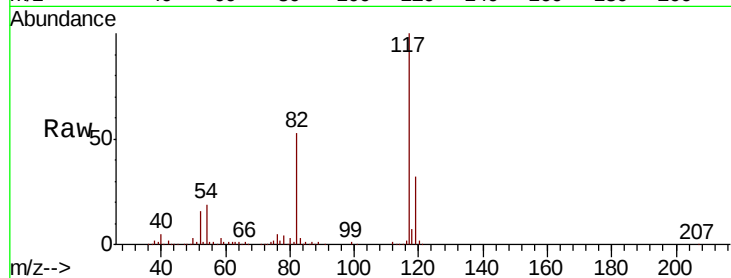




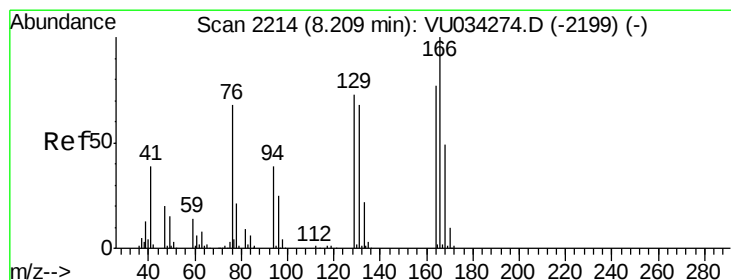
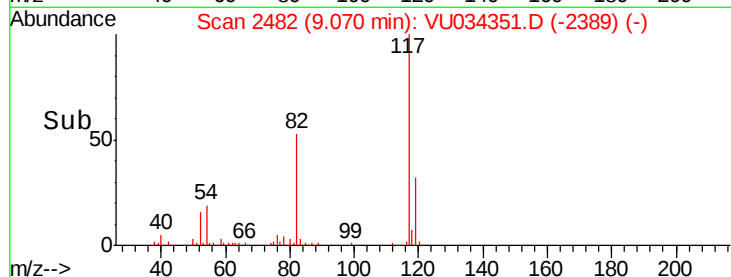
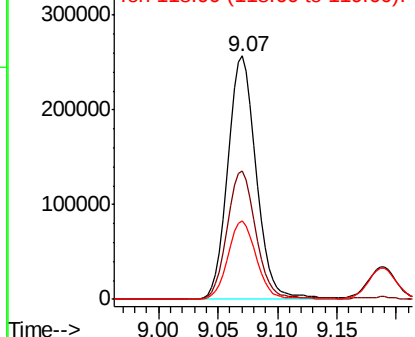
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tgt Ion:117 Resp: 426854
Ion Ratio Lower Upper
117 100
82 52.7 44.6 67.0
119 32.0 25.9 38.9

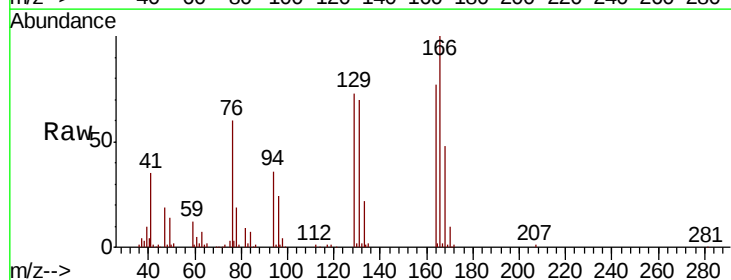


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

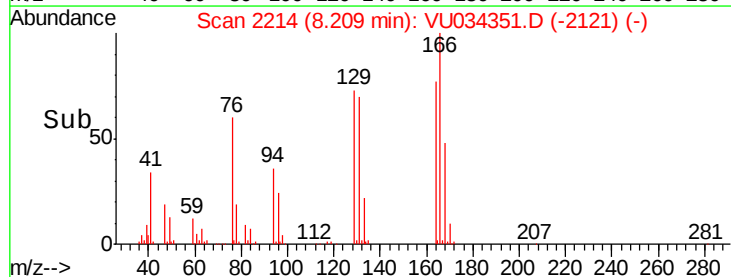
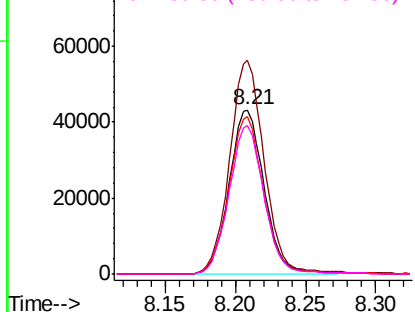


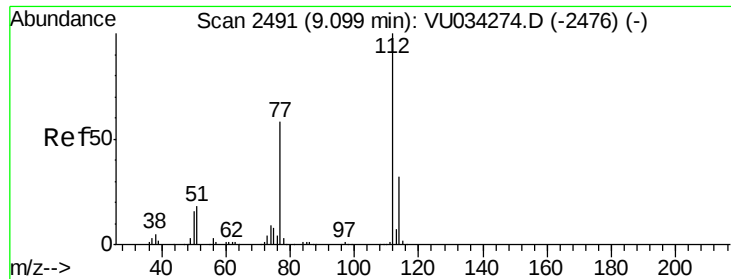
#64
Tetrachloroethene
Concen: 20.235 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion:164 Resp: 74934
Ion Ratio Lower Upper
164 100
166 130.2 103.7 155.5
129 95.6 75.8 113.8
131 90.7 70.7 106.1



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





#65

Chlorobenzene

Concen: 20.255 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

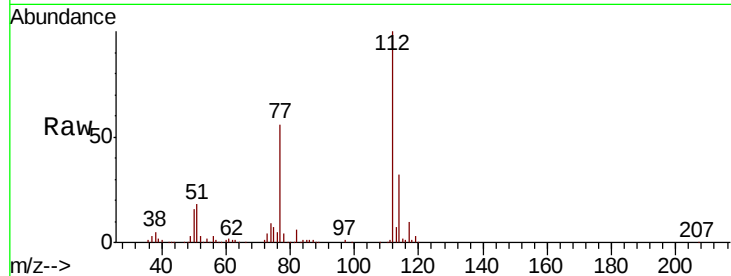
VU0907WBS02

Tgt Ion:112 Resp: 219348

Ion Ratio Lower Upper

112 100

114 32.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.10

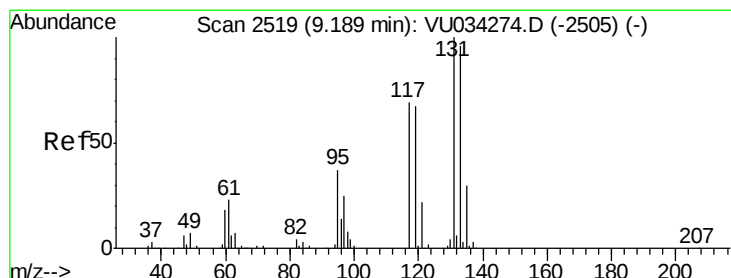
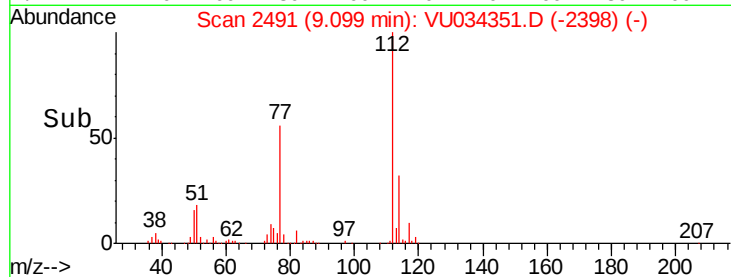
150000

100000

50000

0

Time--> 9.00 9.05 9.10 9.15 9.20



#66

1,1,1,2-Tetrachloroethane

Concen: 19.641 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

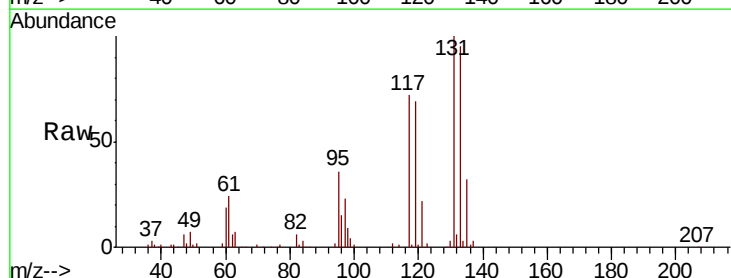
Tgt Ion:131 Resp: 81176

Ion Ratio Lower Upper

131 100

133 93.9 47.9 143.7

119 68.8 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.19

60000

50000

40000

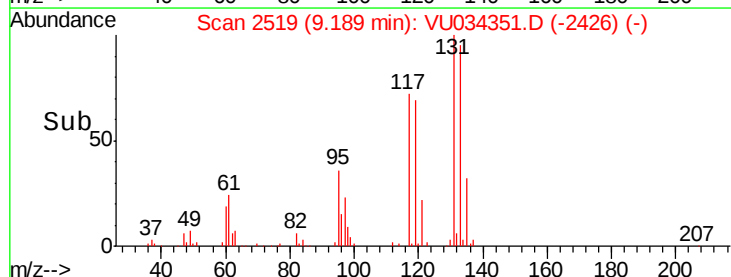
30000

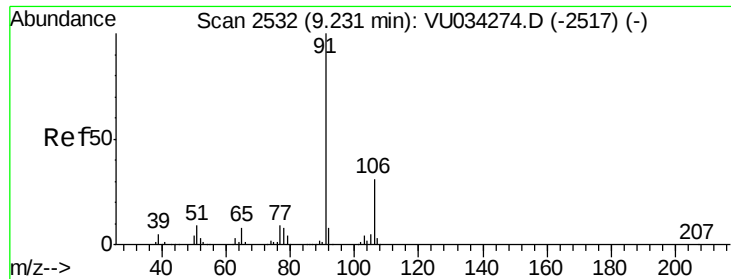
20000

10000

0

Time--> 9.10 9.15 9.20 9.25

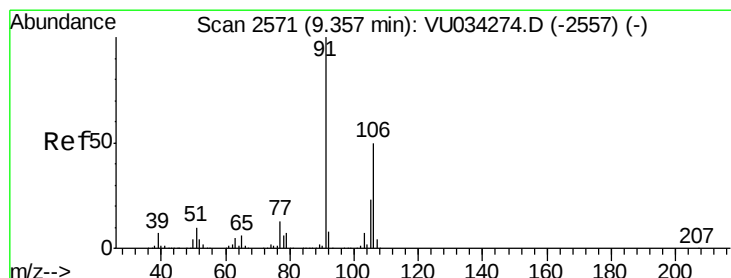
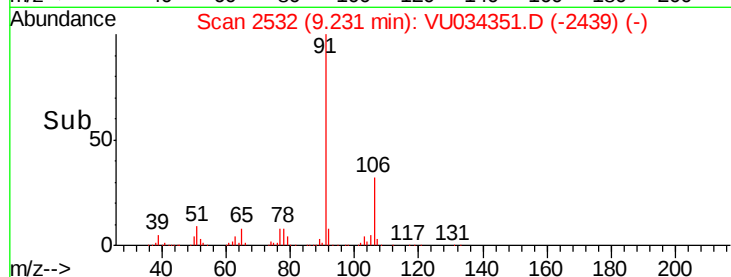
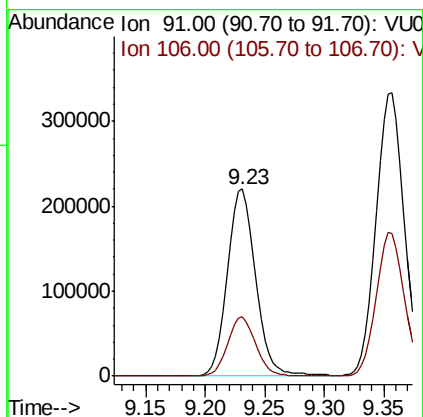
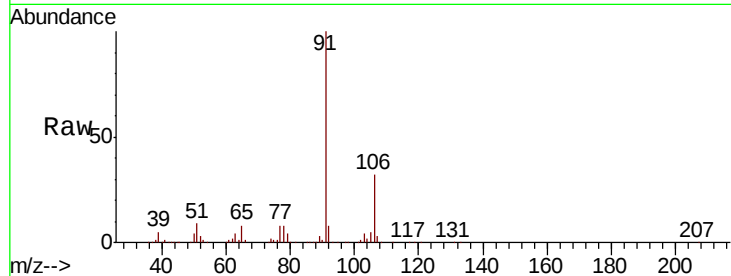




#67
Ethyl Benzene
Concen: 20.543 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

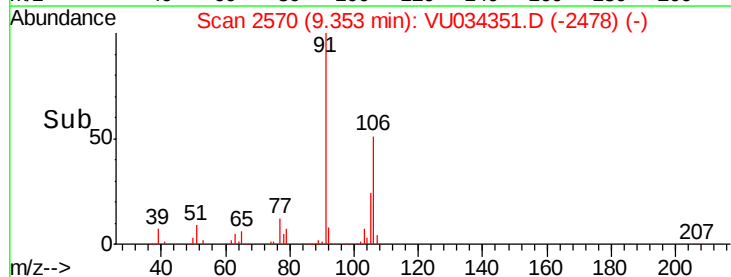
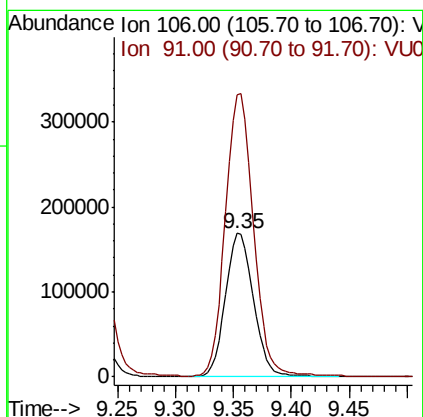
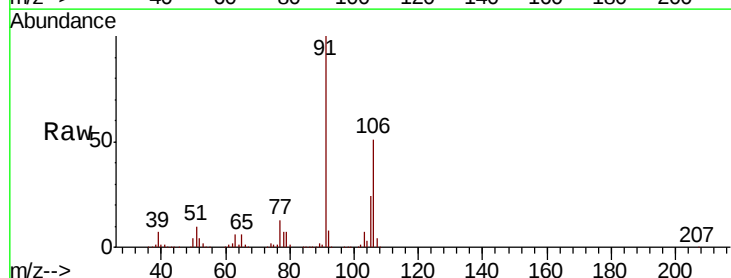
Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

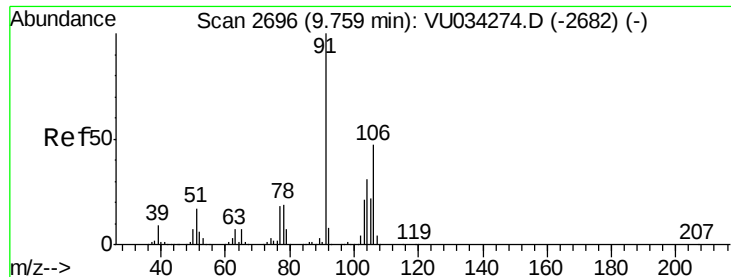
Tgt Ion: 91 Resp: 363756
Ion Ratio Lower Upper
91 100
106 31.7 24.8 37.2



#68
m/p-Xylenes
Concen: 42.194 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion: 106 Resp: 281337
Ion Ratio Lower Upper
106 100
91 198.8 160.1 240.1

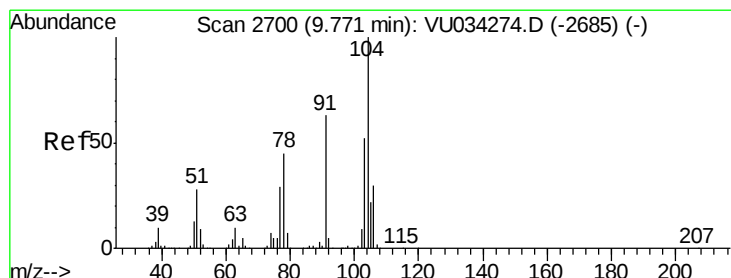
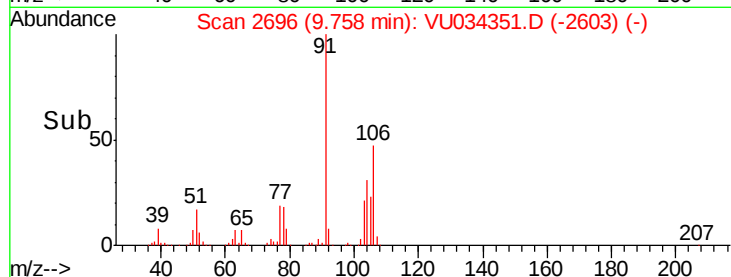
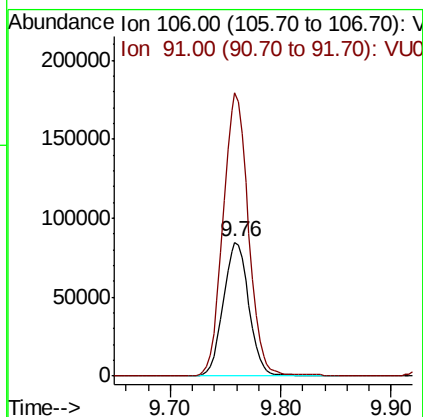
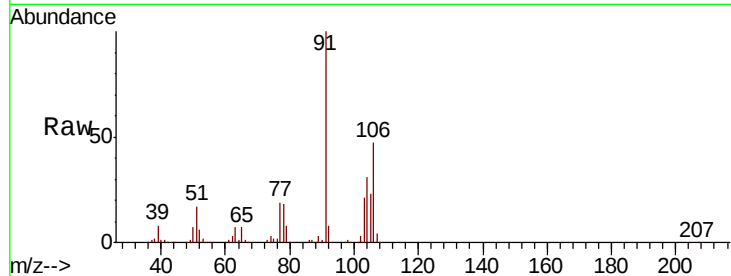




#69
o-Xylene
Concen: 20.999 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

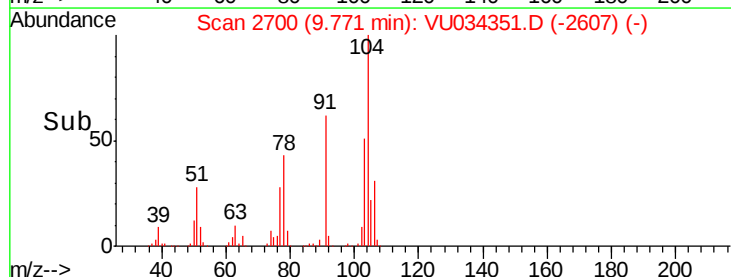
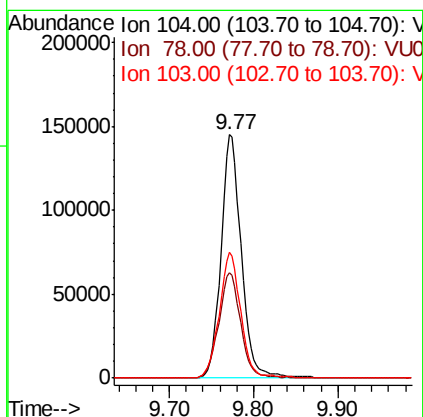
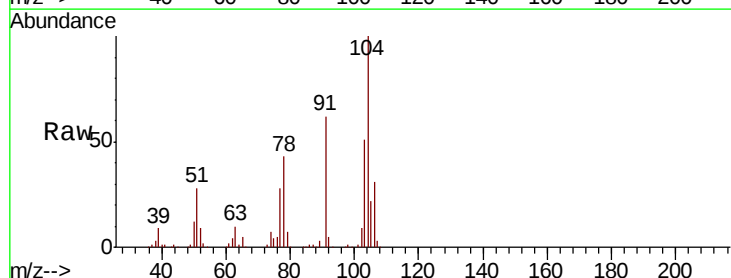
Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

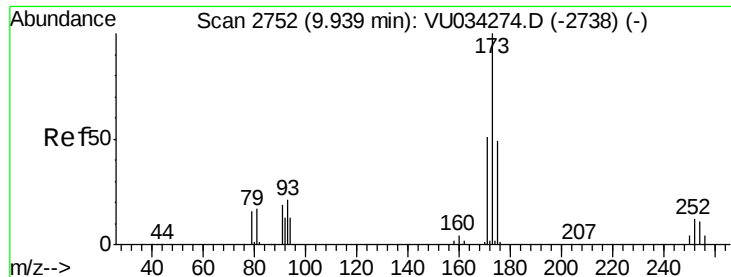
Tgt Ion:106 Resp: 136927
Ion Ratio Lower Upper
106 100
91 209.9 105.1 315.3



#70
Styrene
Concen: 21.258 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion:104 Resp: 243036
Ion Ratio Lower Upper
104 100
78 46.4 38.6 57.8
103 54.8 44.2 66.4





#71

Bromoform

Concen: 19.329 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

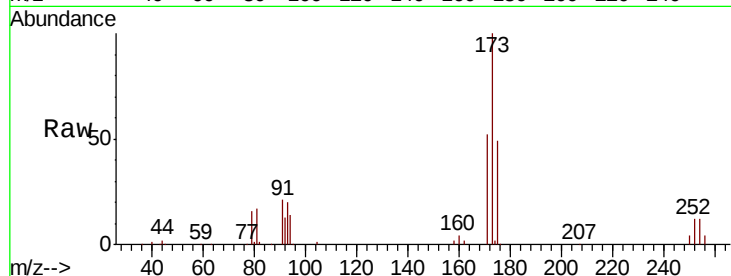
Tgt Ion:173 Resp: 69234

Ion Ratio Lower Upper

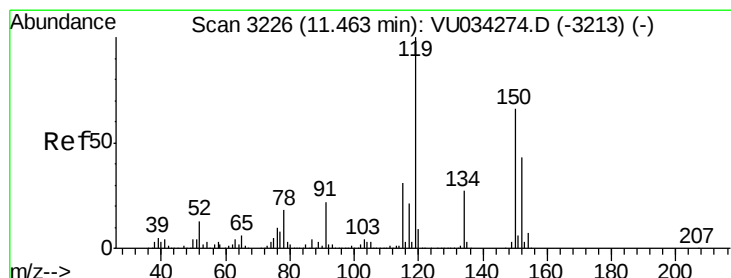
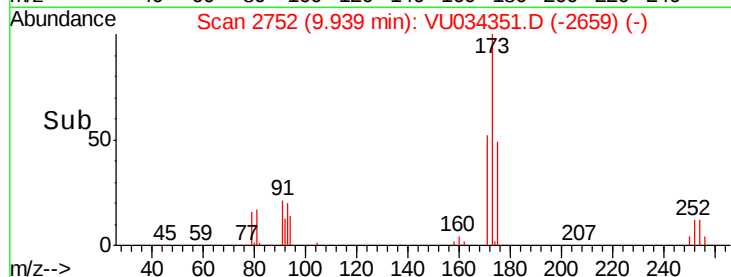
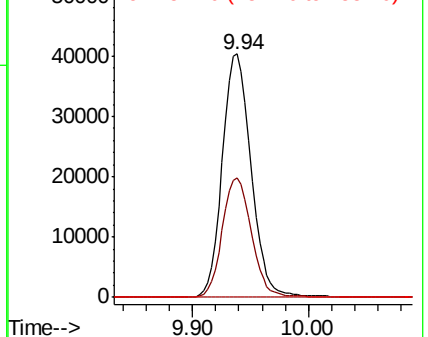
173 100

175 49.4 24.4 73.2

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

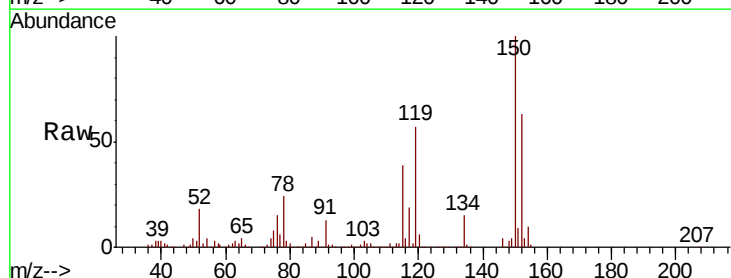
Tgt Ion:152 Resp: 280083

Ion Ratio Lower Upper

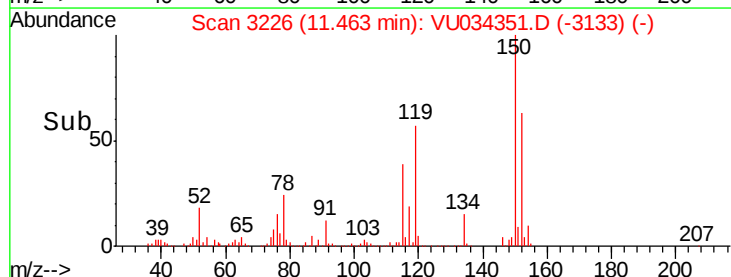
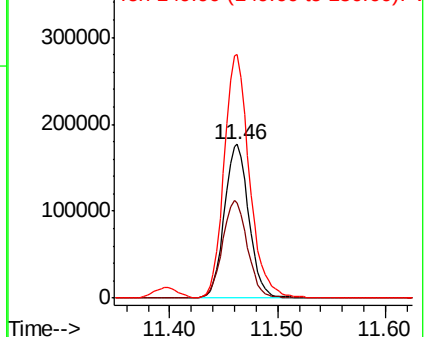
152 100

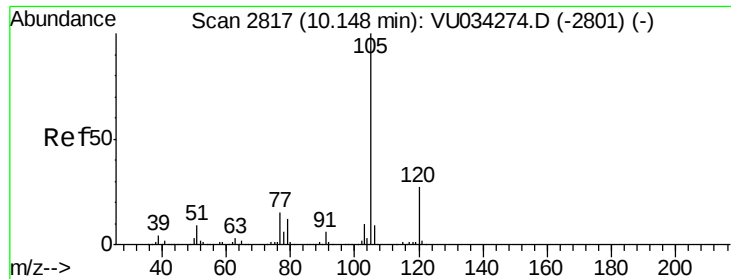
115 65.1 39.1 117.3

150 162.4 0.0 345.4



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





#73

Isopropylbenzene

Concen: 20.810 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

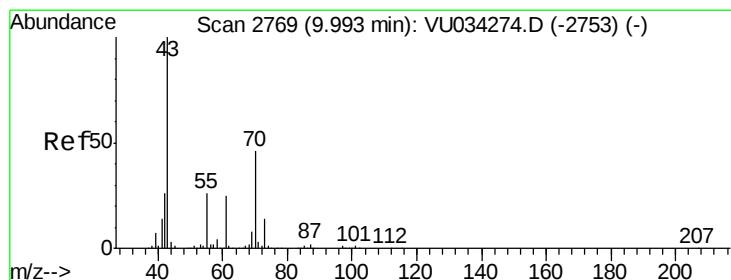
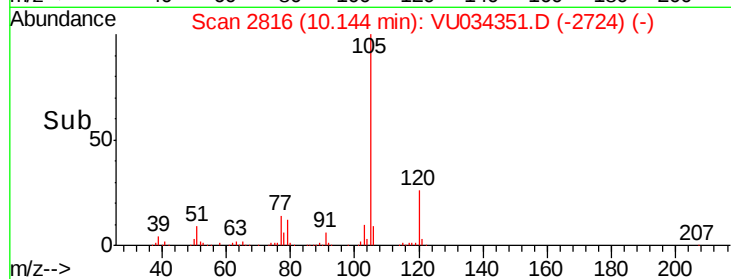
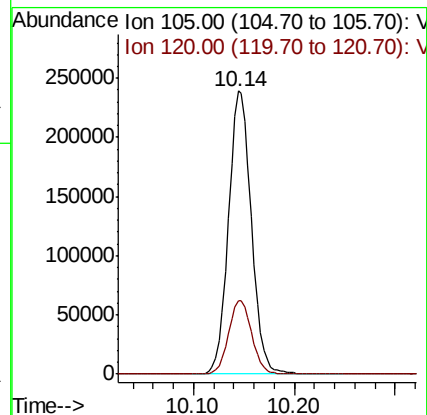
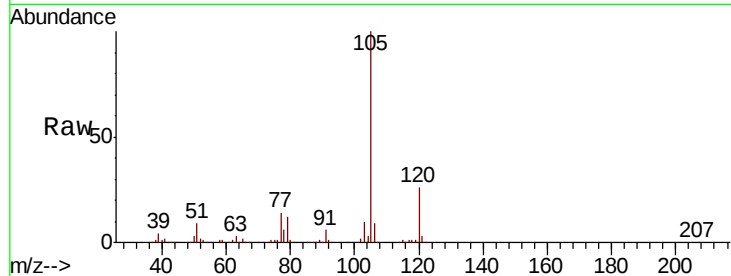
VU0907WBS02

Tgt Ion: 105 Resp: 379305

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.2



#74

N-ethyl acetate

Concen: 20.256 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Tgt Ion: 43 Resp: 148614

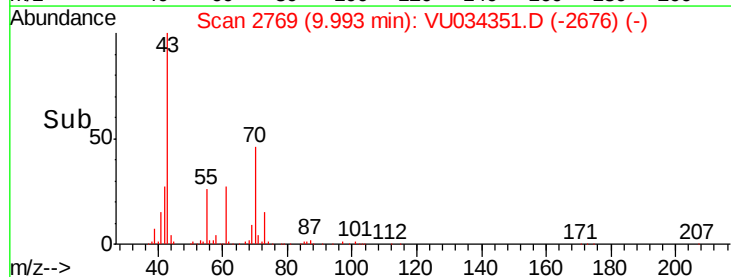
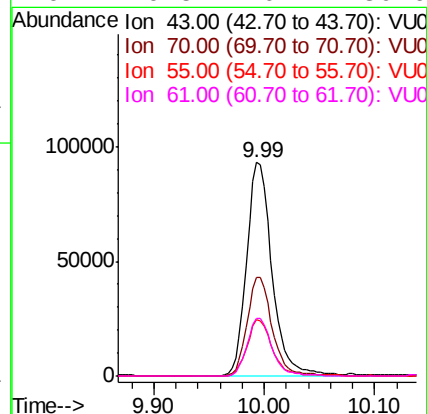
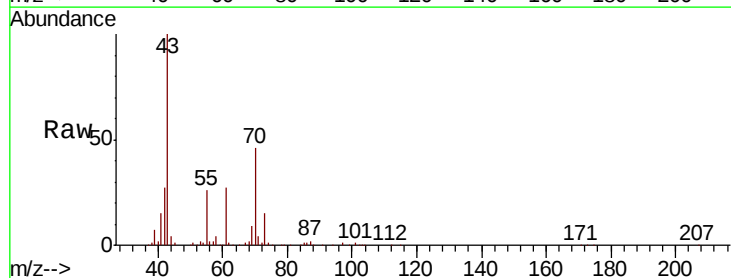
Ion Ratio Lower Upper

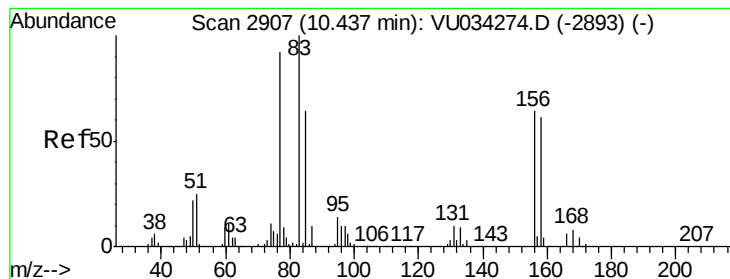
43 100

70 45.7 36.4 54.6

55 26.4 21.2 31.8

61 26.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.758 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

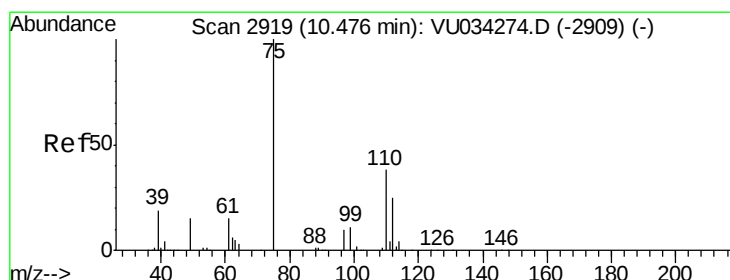
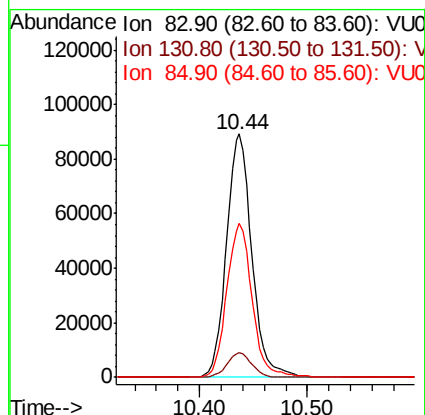
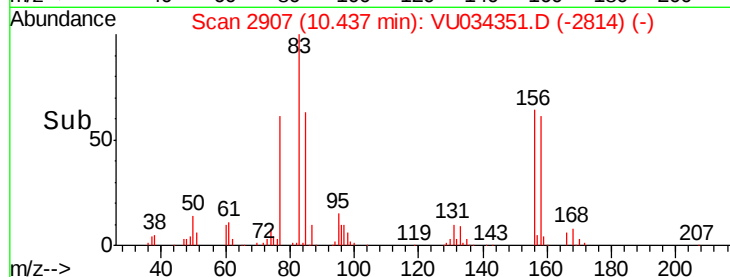
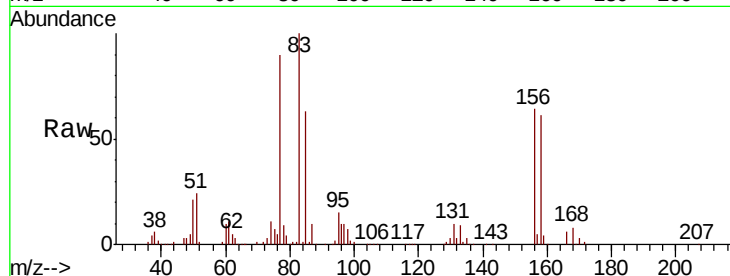
Tgt Ion: 83 Resp: 145773

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.2

85 63.4 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 24.677 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034351.D

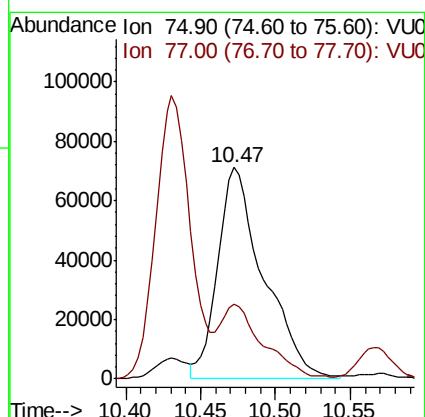
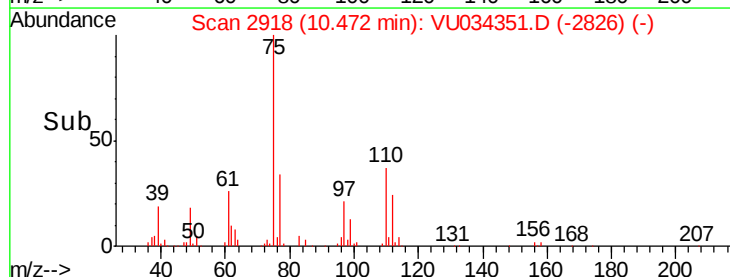
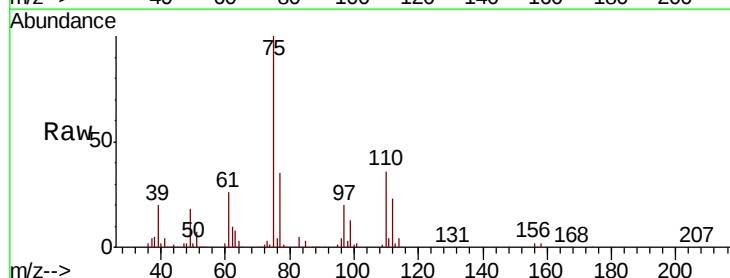
Acq: 06 Sep 2019 23:55

Tgt Ion: 75 Resp: 150869

Ion Ratio Lower Upper

75 100

77 32.1 20.8 62.2





#77

Bromobenzene

Concen: 20.614 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

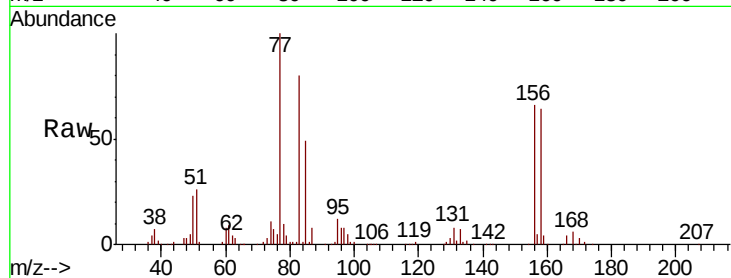
Tgt Ion:156 Resp: 105059

Ion Ratio Lower Upper

156 100

77 145.6 75.6 226.9

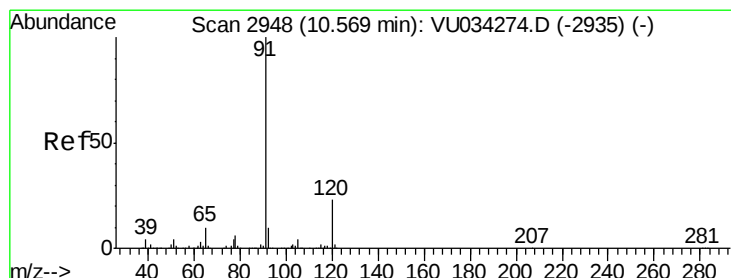
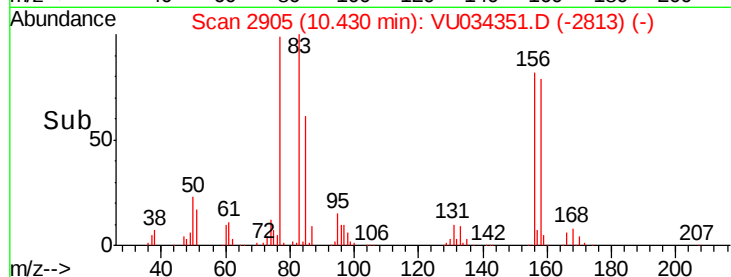
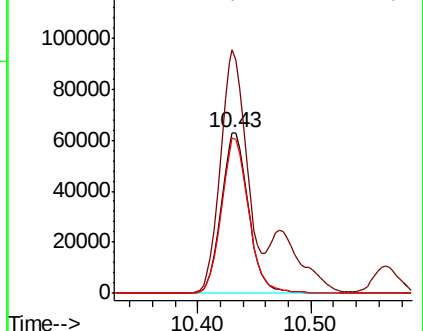
158 96.7 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.408 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034351.D

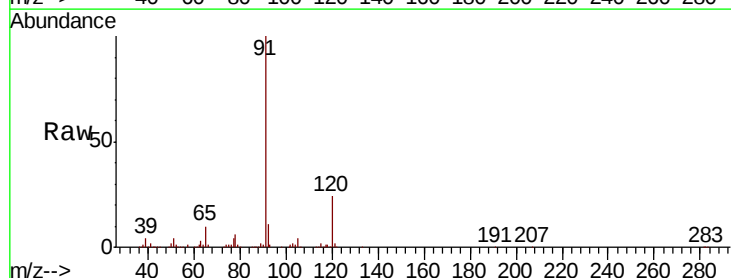
Acq: 06 Sep 2019 23:55

Tgt Ion: 91 Resp: 429606

Ion Ratio Lower Upper

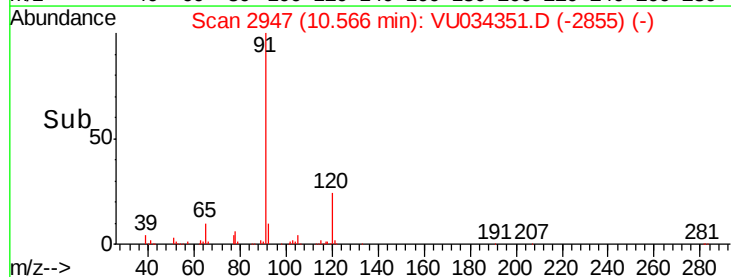
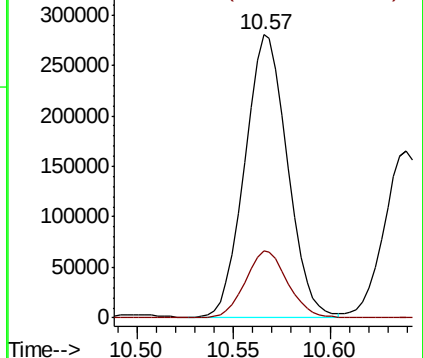
91 100

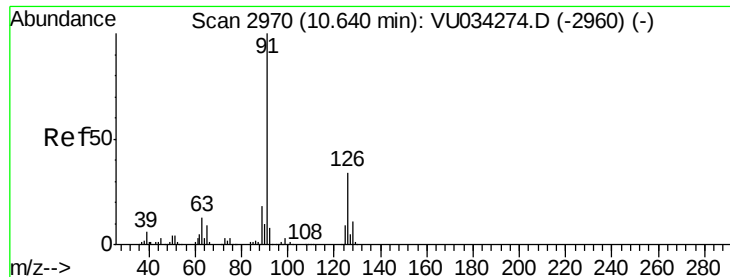
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.609 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

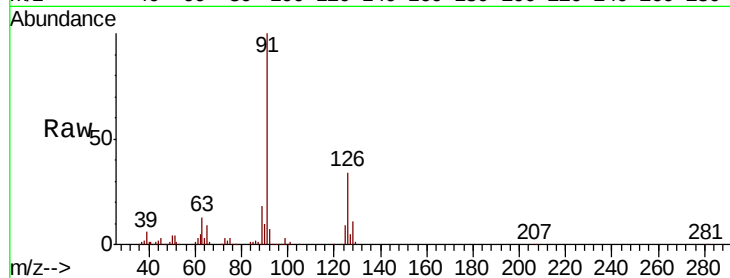
VU0907WBS02

Tgt Ion: 91 Resp: 264707

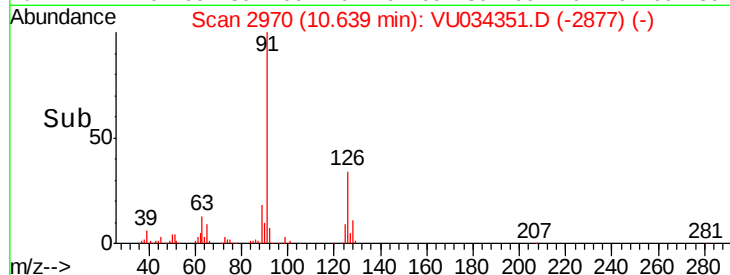
Ion Ratio Lower Upper

91 100

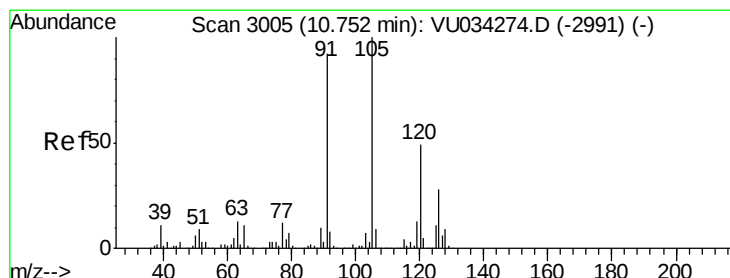
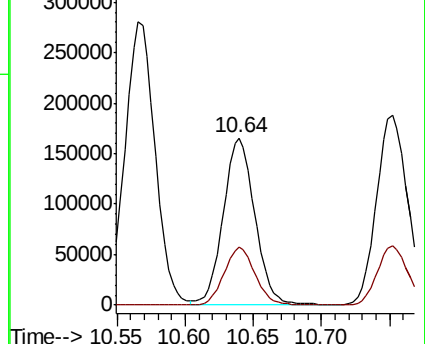
126 34.4 17.3 51.9



Abundance Ion 91.00 (90.70 to 91.70): VU034351.D (-2977) (-)



Ion 125.90 (125.60 to 126.60): VU034351.D (-2977) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.086 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034351.D

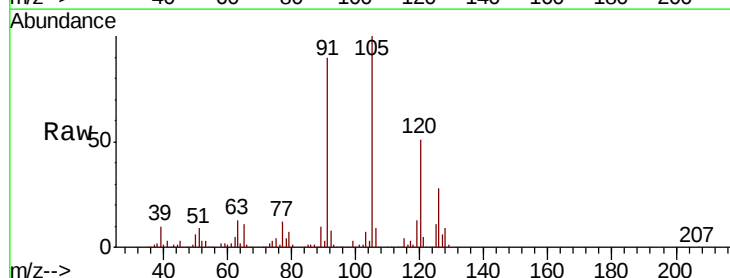
Acq: 06 Sep 2019 23:55

Tgt Ion: 105 Resp: 321443

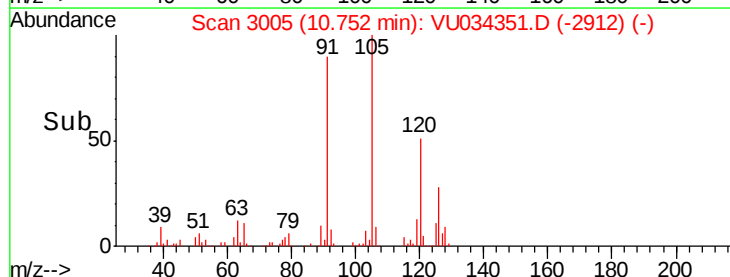
Ion Ratio Lower Upper

105 100

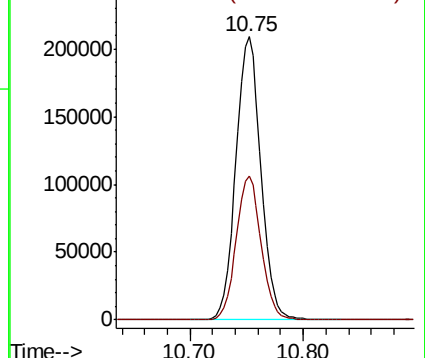
120 50.7 24.9 74.7

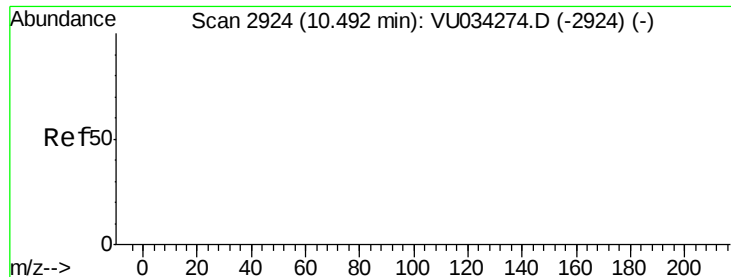


Abundance Ion 105.00 (104.70 to 105.70): VU034351.D (-2912) (-)



Ion 120.00 (119.70 to 120.70): VU034351.D (-2912) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 83.462 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.02 min

Lab File: VU034351.D

Acq: 06 Sep 2019 23:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS02

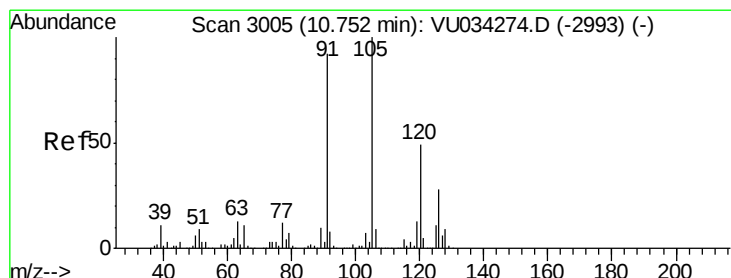
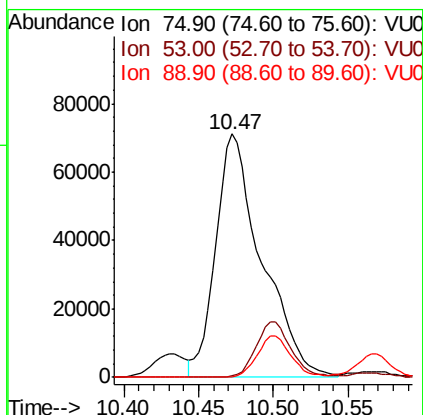
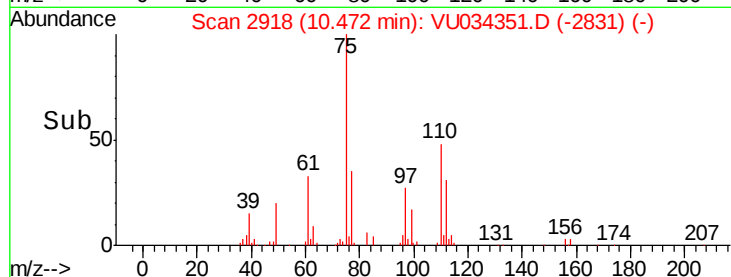
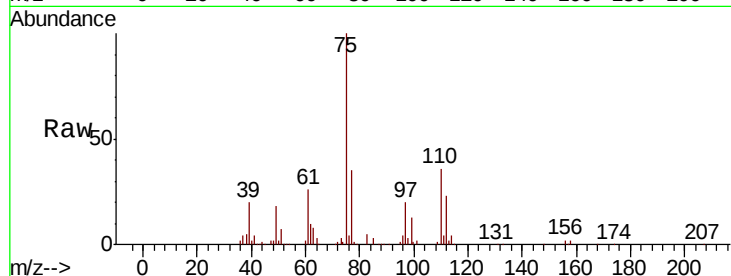
Tgt Ion: 75 Resp: 151731

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 20.430 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034351.D

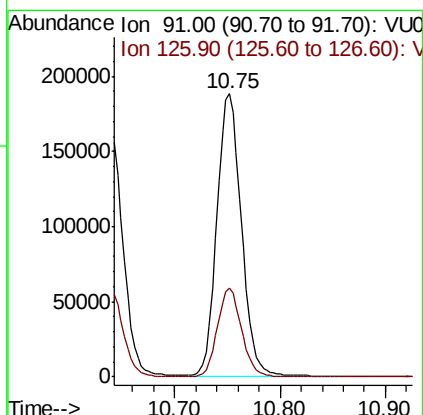
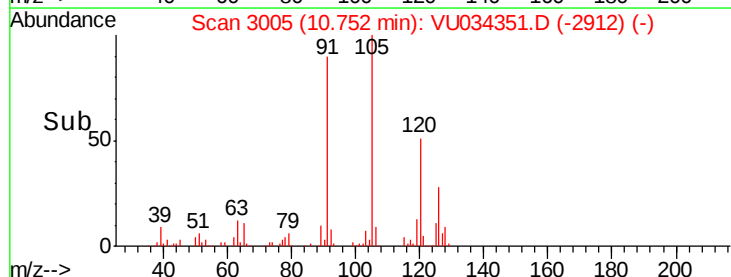
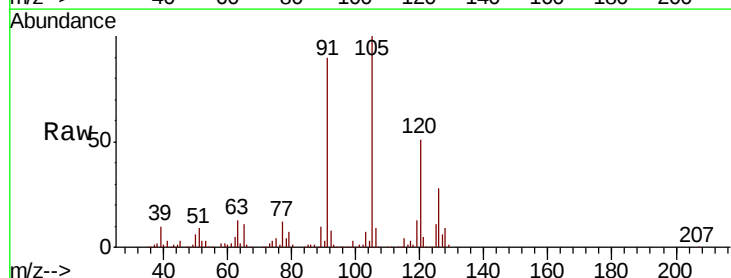
Acq: 06 Sep 2019 23:55

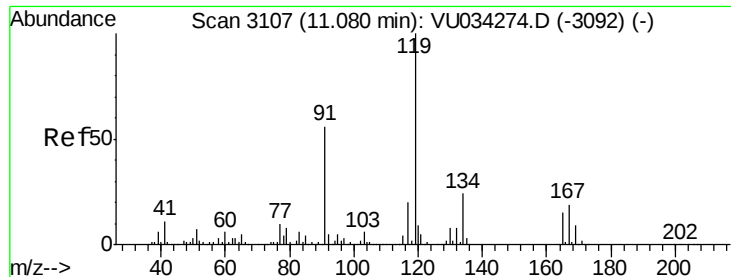
Tgt Ion: 91 Resp: 301973

Ion Ratio Lower Upper

91 100

126 31.1 15.3 45.8

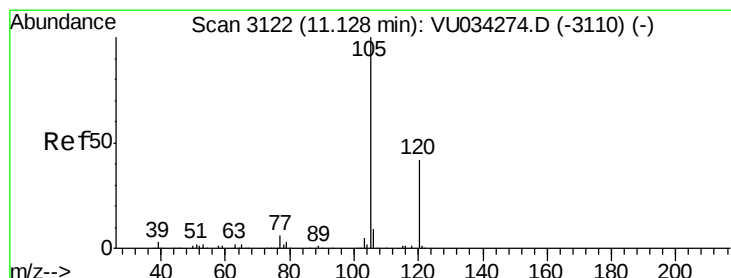
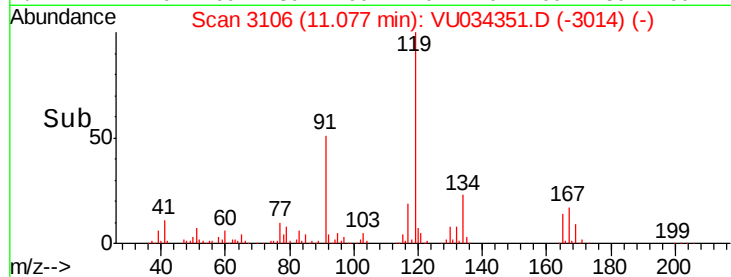
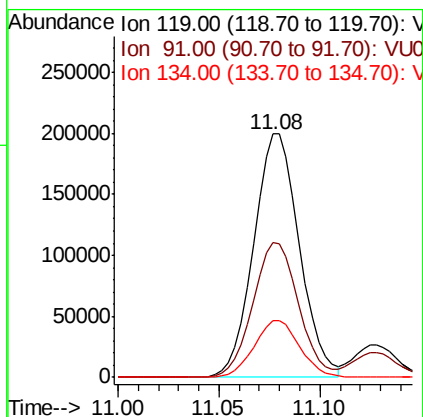
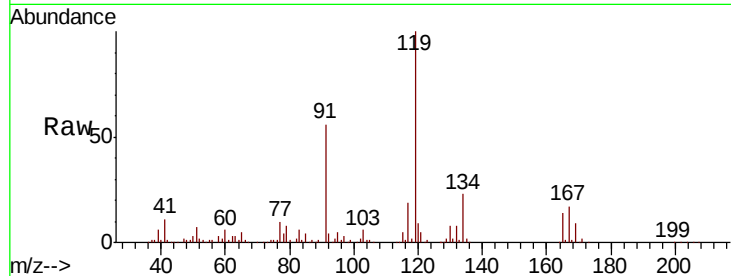




#83
 tert-Butylbenzene
 Concen: 20.690 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

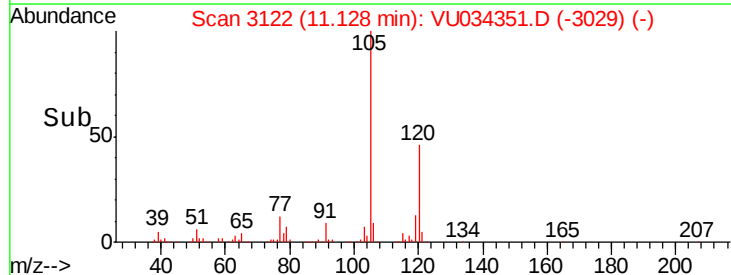
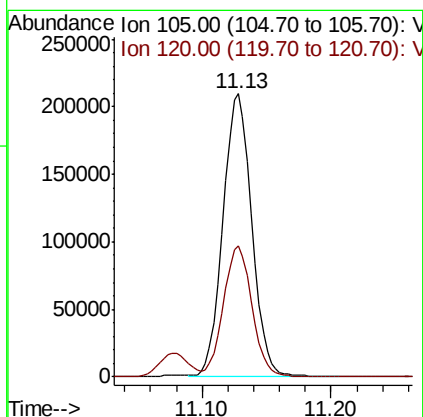
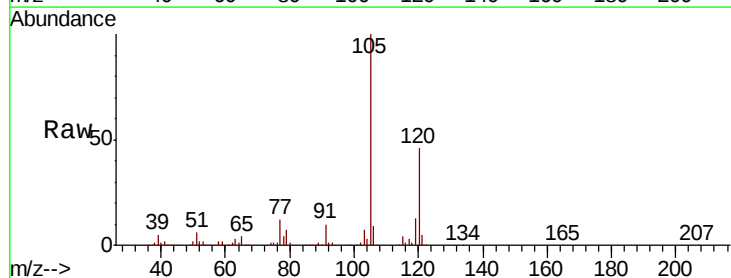
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

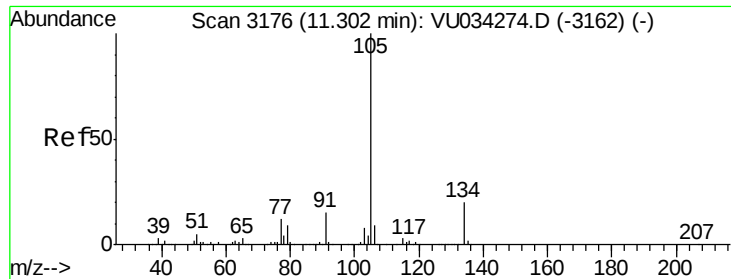
Tgt Ion:119 Resp: 315521
 Ion Ratio Lower Upper
 119 100
 91 55.1 27.8 83.4
 134 23.4 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.083 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion:105 Resp: 323514
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8

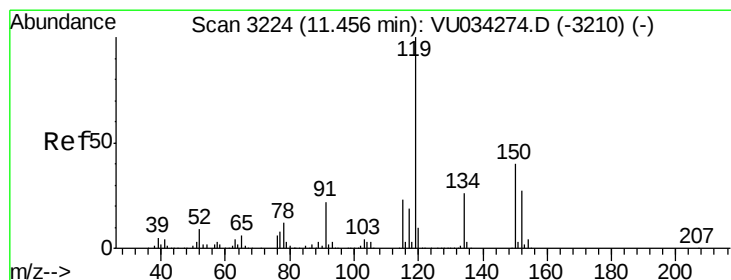
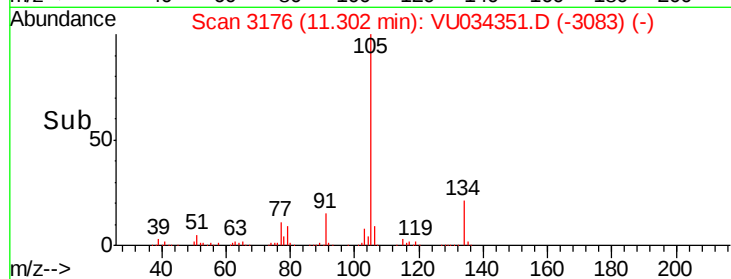
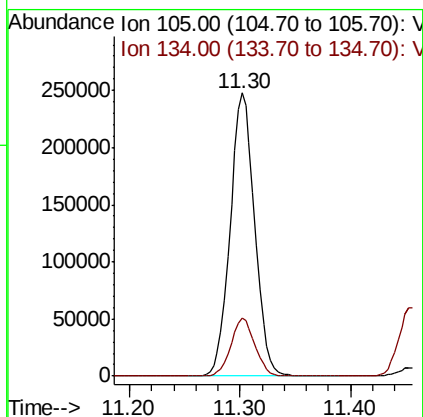
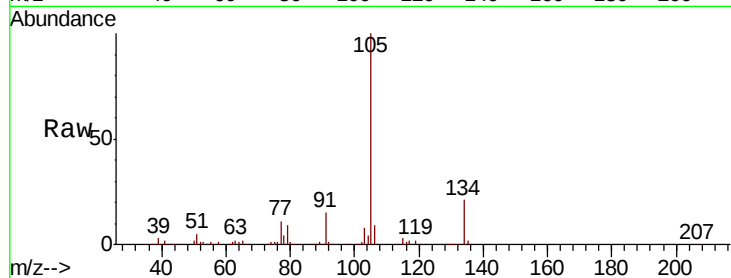




#85
 sec-Butylbenzene
 Concen: 21.077 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

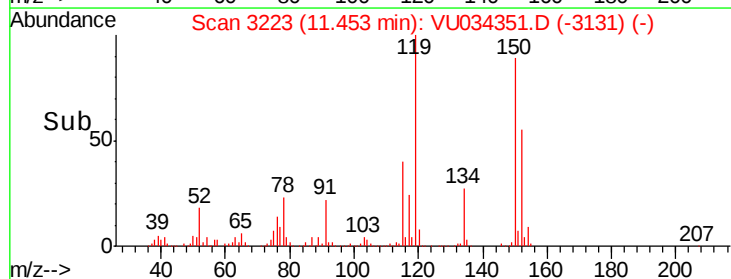
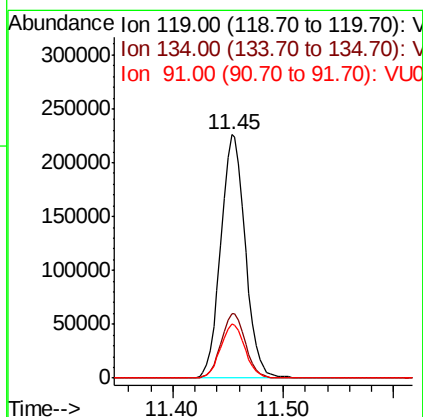
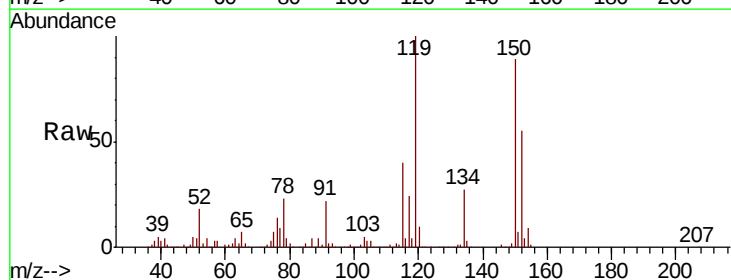
Instrument :
 MSVOA_U
 ClientSampled :
 VU0907WBS02

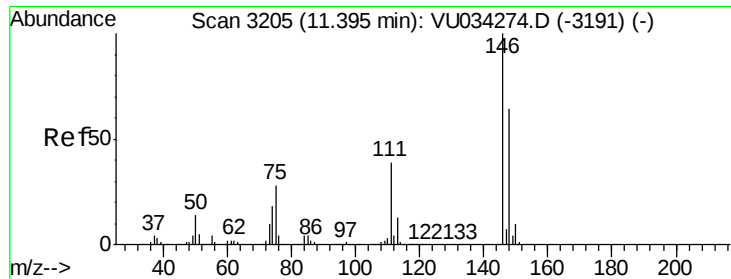
Tgt Ion:105 Resp: 379465
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 20.826 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion:119 Resp: 346074
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 22.1 11.2 33.6

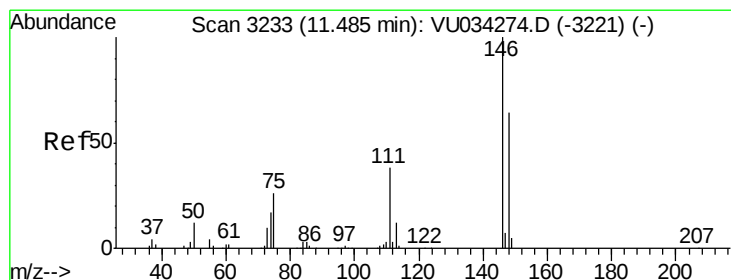
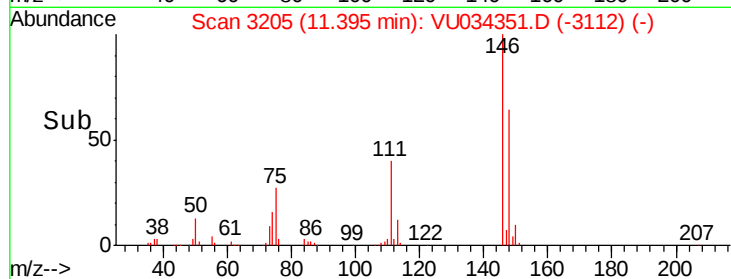
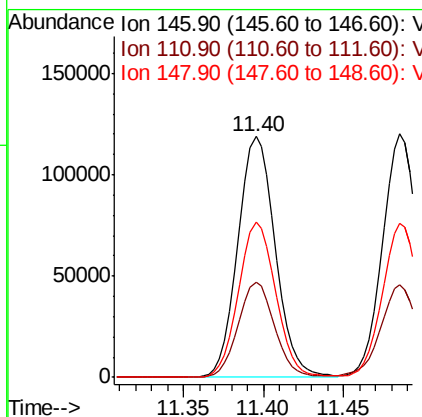
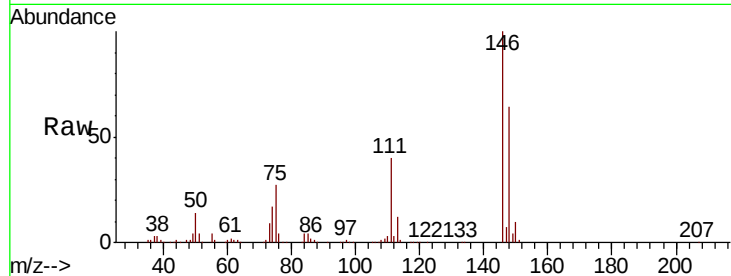




#87
 1,3-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

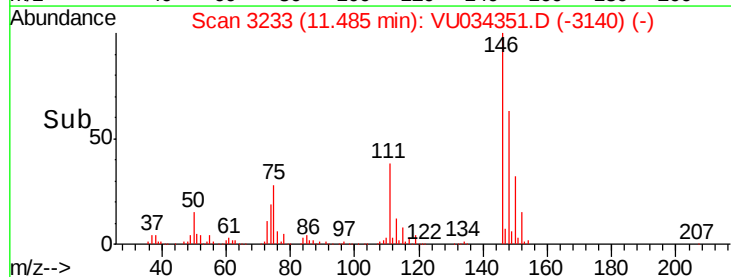
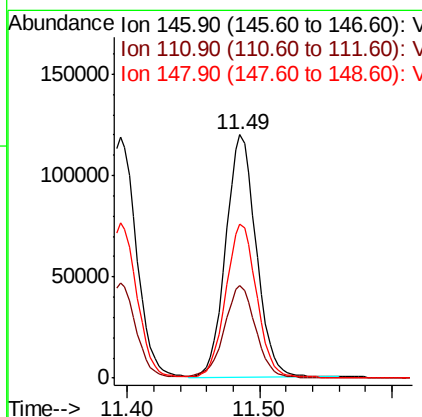
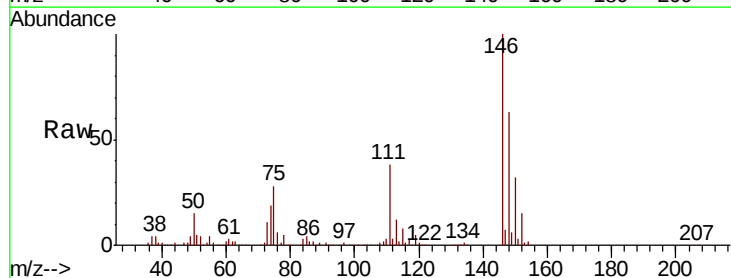
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

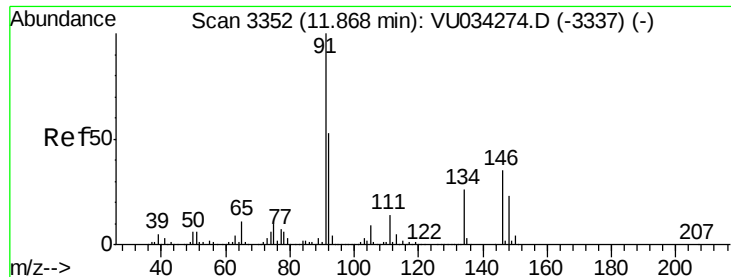
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.4	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.657 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.3
148	64.5	32.0	96.0

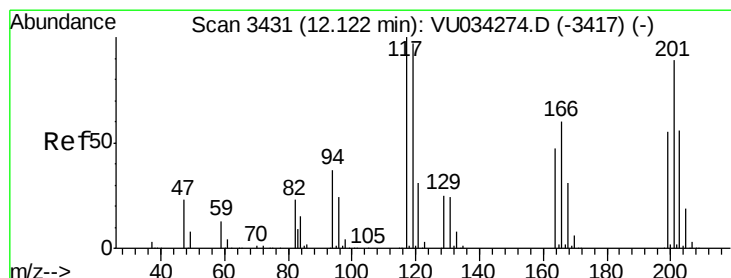
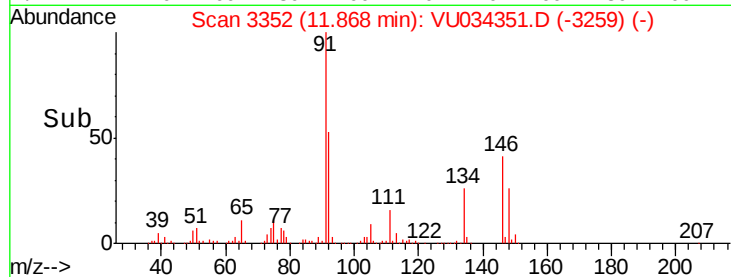
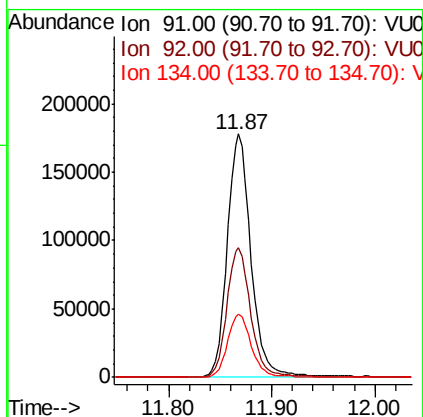
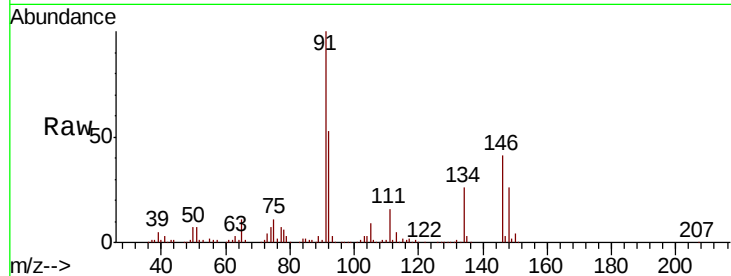




#89
n-Butylbenzene
Concen: 19.792 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

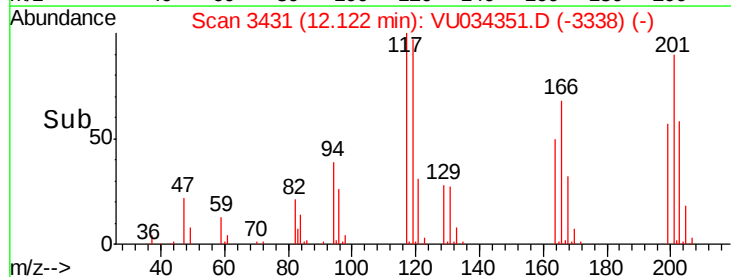
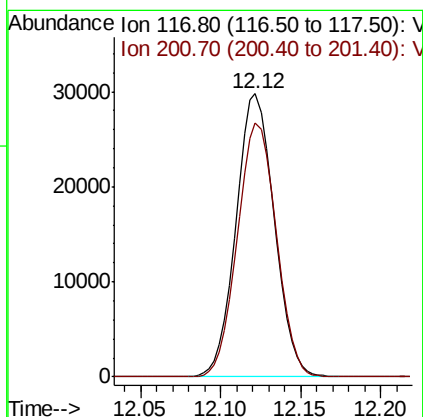
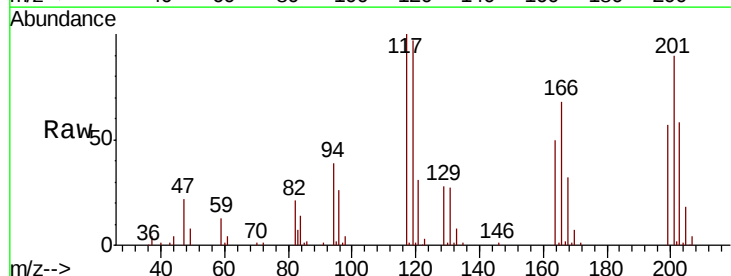
Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

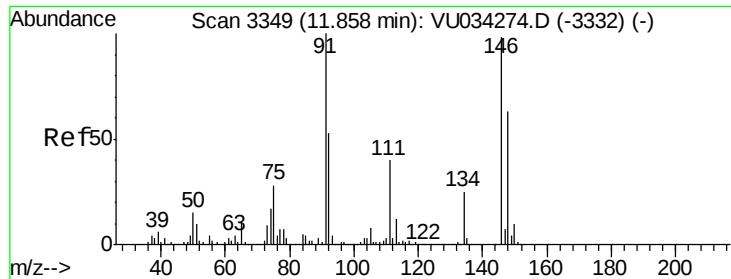
Tgt Ion: 91 Resp: 285814
Ion Ratio Lower Upper
91 100
92 53.5 26.5 79.4
134 26.4 13.2 39.6



#90
Hexachloroethane
Concen: 18.209 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion: 117 Resp: 48409
Ion Ratio Lower Upper
117 100
201 91.1 44.1 132.4

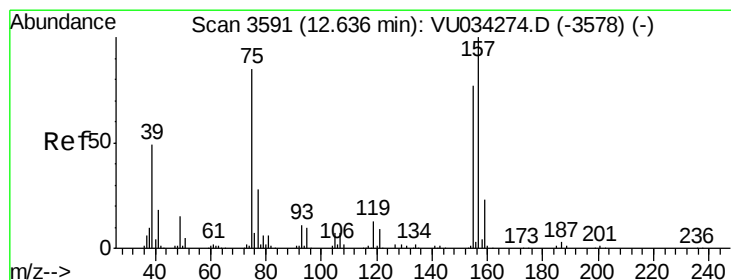
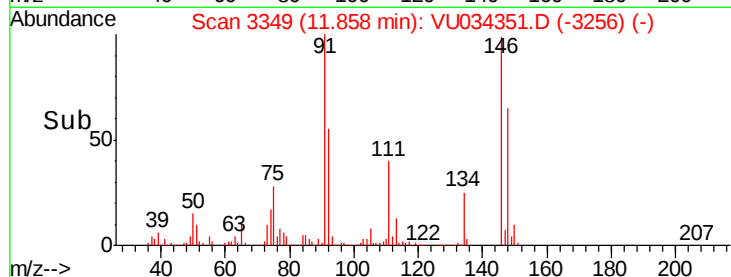
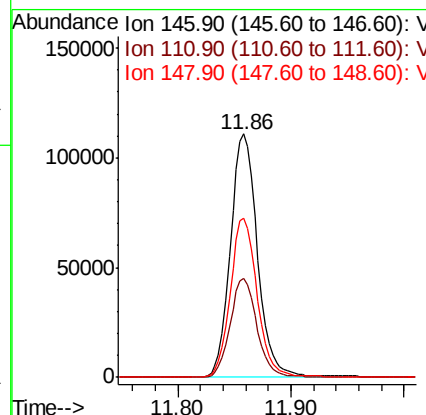
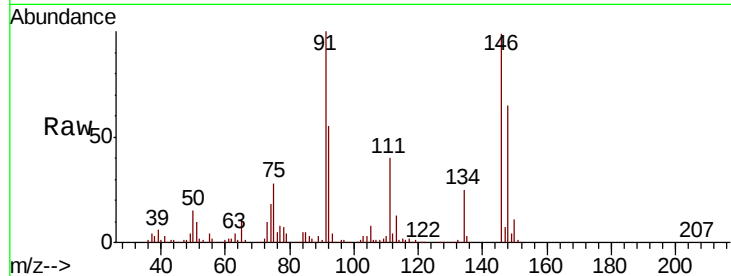




#91
 1,2-Dichlorobenzene
 Concen: 20.252 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

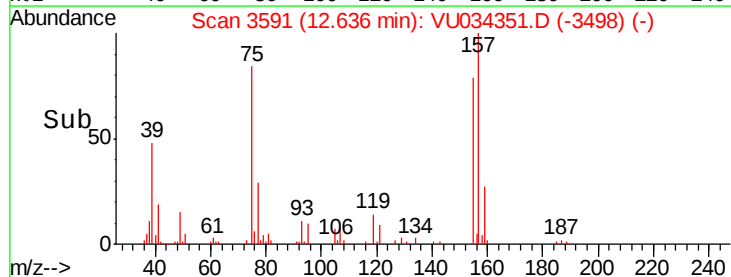
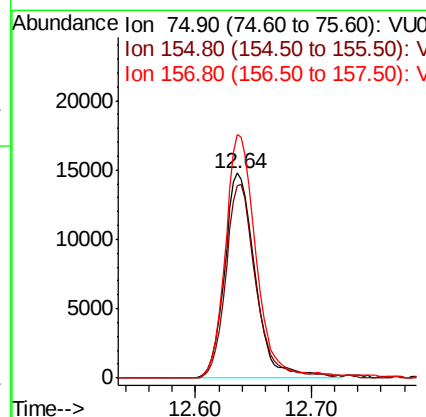
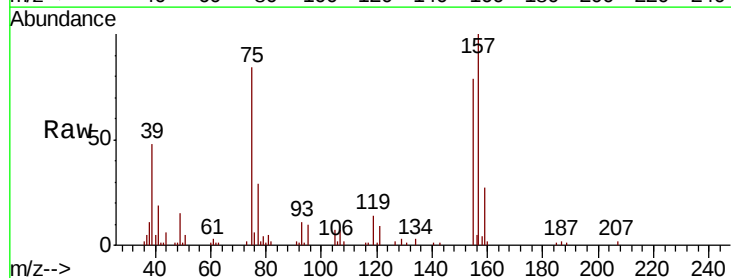
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

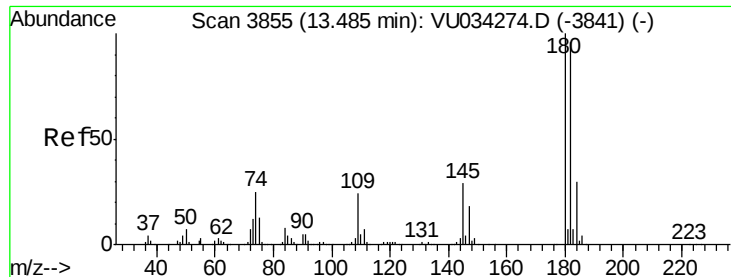
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	65.2	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.111 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	44.6	134.0
157	116.8	58.2	174.6

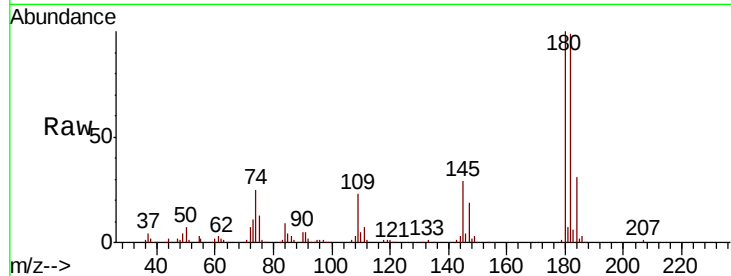




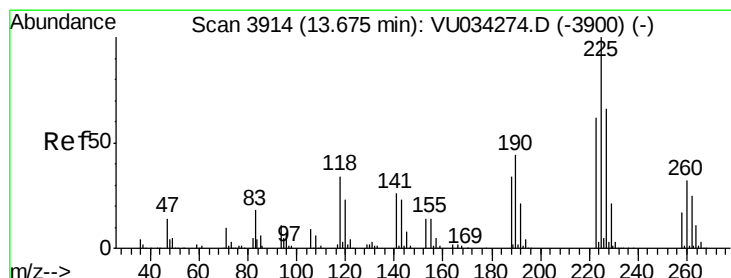
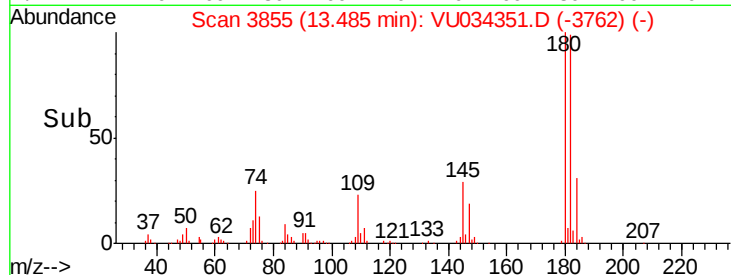
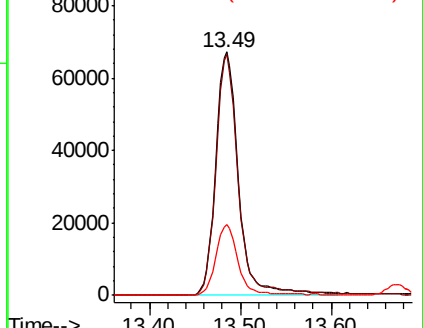
#93
 1,2,4-Trichlorobenzene
 Concen: 20.041 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Tgt Ion:180 Resp: 118119
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.9 143.8
 145 27.9 14.4 43.0

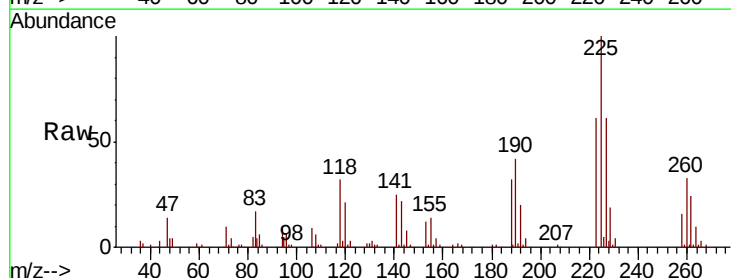


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

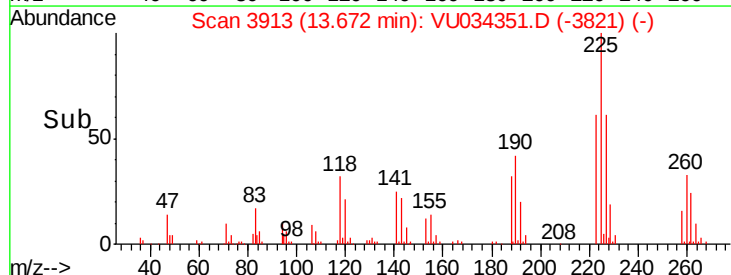
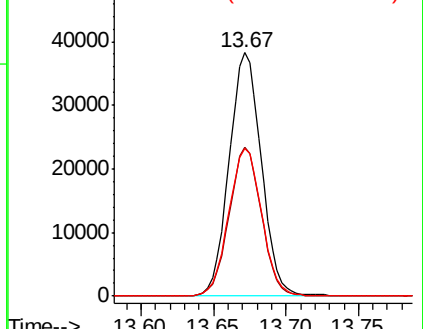


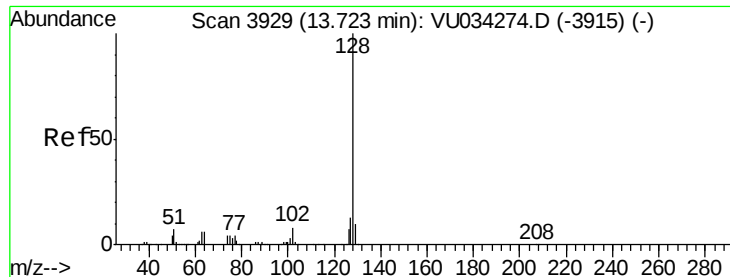
#94
 Hexachlorobutadiene
 Concen: 18.484 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034351.D
 Acq: 06 Sep 2019 23:55

Tgt Ion:225 Resp: 59097
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.6 94.7
 227 62.2 32.3 96.8



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

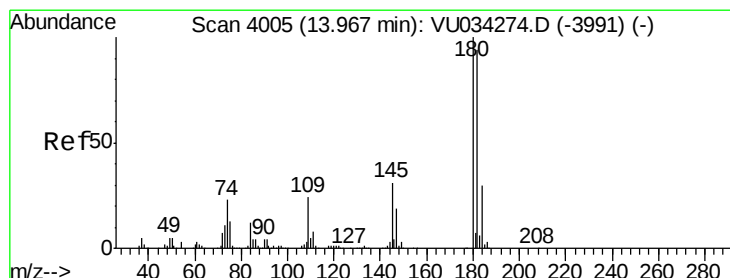
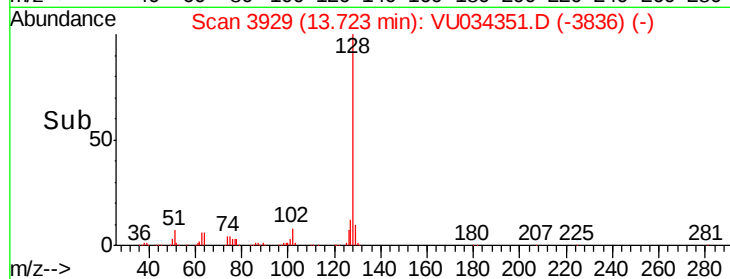
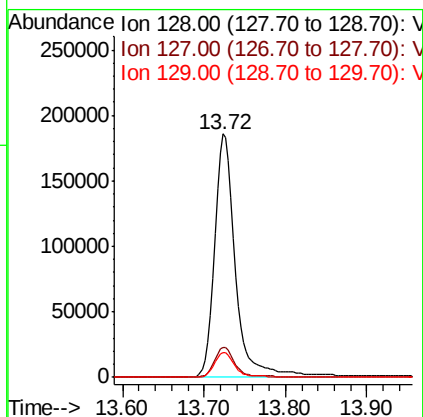
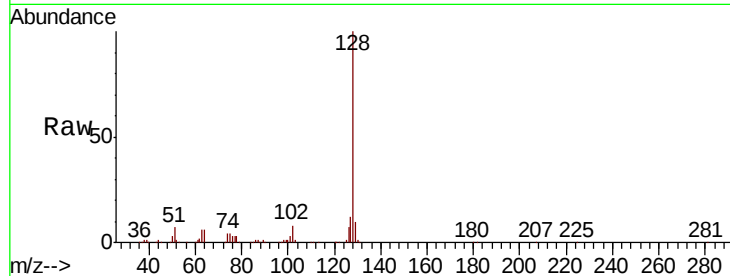




#95
Naphthalene
Concen: 20.677 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS02

Tgt Ion:128 Resp: 338822
Ion Ratio Lower Upper
128 100
127 12.5 10.6 15.8
129 9.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.264 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034351.D
Acq: 06 Sep 2019 23:55

Tgt Ion:180 Resp: 119133
Ion Ratio Lower Upper
180 100
182 93.5 48.4 145.0
145 30.7 15.4 46.4

