

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004567.D
 Acq On : 15 Sep 2018 06:42
 Operator : JC/MD
 Sample : J4925-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0259

Quant Time: Sep 17 00:54:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	395247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	367700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	186516	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
35) Dibromofluoromethane	5.50	113	167090	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
50) Toluene-d8	8.72	98	580098	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.14	95	202305	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	4212	1.16	ug/l #	72
5) Bromomethane	1.65	94	698	Below	Cal	84
6) Chloroethane	1.89	64	1980	0.82	ug/l #	49
10) Methyl Iodide	2.52	142	487	4.38	ug/l #	72
13) Acrolein	2.40	56	3307	9.67	ug/l	86
14) Allyl chloride	2.62	41	1360	0.22	ug/l #	66
15) Acrylonitrile	3.17	53	2144	1.03	ug/l #	47
16) Acetone	2.44	43	5751	3.25	ug/l	95
17) Carbon Disulfide	2.58	76	3183	0.37	ug/l	98
18) Methyl Acetate	2.84	43	28473	5.73	ug/l #	51
25) 2-Butanone	4.70	43	8478	3.01	ug/l	98
31) Cyclohexane	5.60	56	8607	1.64	ug/l #	54
36) 1,1-Dichloropropene	5.67	75	18261	3.81	ug/l #	49
37) Ethyl Acetate	4.70	43	8478	1.55	ug/l #	67
38) Carbon Tetrachloride	5.66	117	23785	5.07	ug/l #	15
39) Methylcyclohexane	7.46	83	25013	5.00	ug/l #	68
41) Methacrylonitrile	5.23	41	7528	2.50	ug/l #	48
43) Isopropyl Acetate	6.45	43	1992	0.27	ug/l #	59
46) Dibromomethane	7.85	93	654	0.30	ug/l #	1
48) Methyl methacrylate	7.73	41	2803	0.78	ug/l #	44
51) 4-Methyl-2-Pentanone	8.66	43	6869	1.34	ug/l #	42
55) 1,1,2-Trichloroethane	9.16	97	65981	18.27	ug/l #	20
56) Ethyl methacrylate	9.16	69	14456	2.83	ug/l #	4
58) 2-Chloroethyl Vinyl ether	8.30	63	41	7.29	ug/l #	45
59) 2-Hexanone	9.45	43	15948	4.06	ug/l #	28
67) Ethyl Benzene	10.26	91	131102	8.83	ug/l	100
68) m/p-Xylenes	10.36	106	23198	4.06	ug/l	99
69) o-Xylene	10.70	106	25519	4.64	ug/l	91
73) Isopropylbenzene	11.02	105	40079	2.87	ug/l	99
74) N-amyl acetate	10.91	43	6050	1.03	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	7568	1.68	ug/l #	35
76) 1,2,3-Trichloropropane	11.14	75	95553	22.44	ug/l #	37
78) n-propylbenzene	11.36	91	63103	3.94	ug/l	97
79) 2-Chlorotoluene	11.45	91	2044	0.21	ug/l #	57

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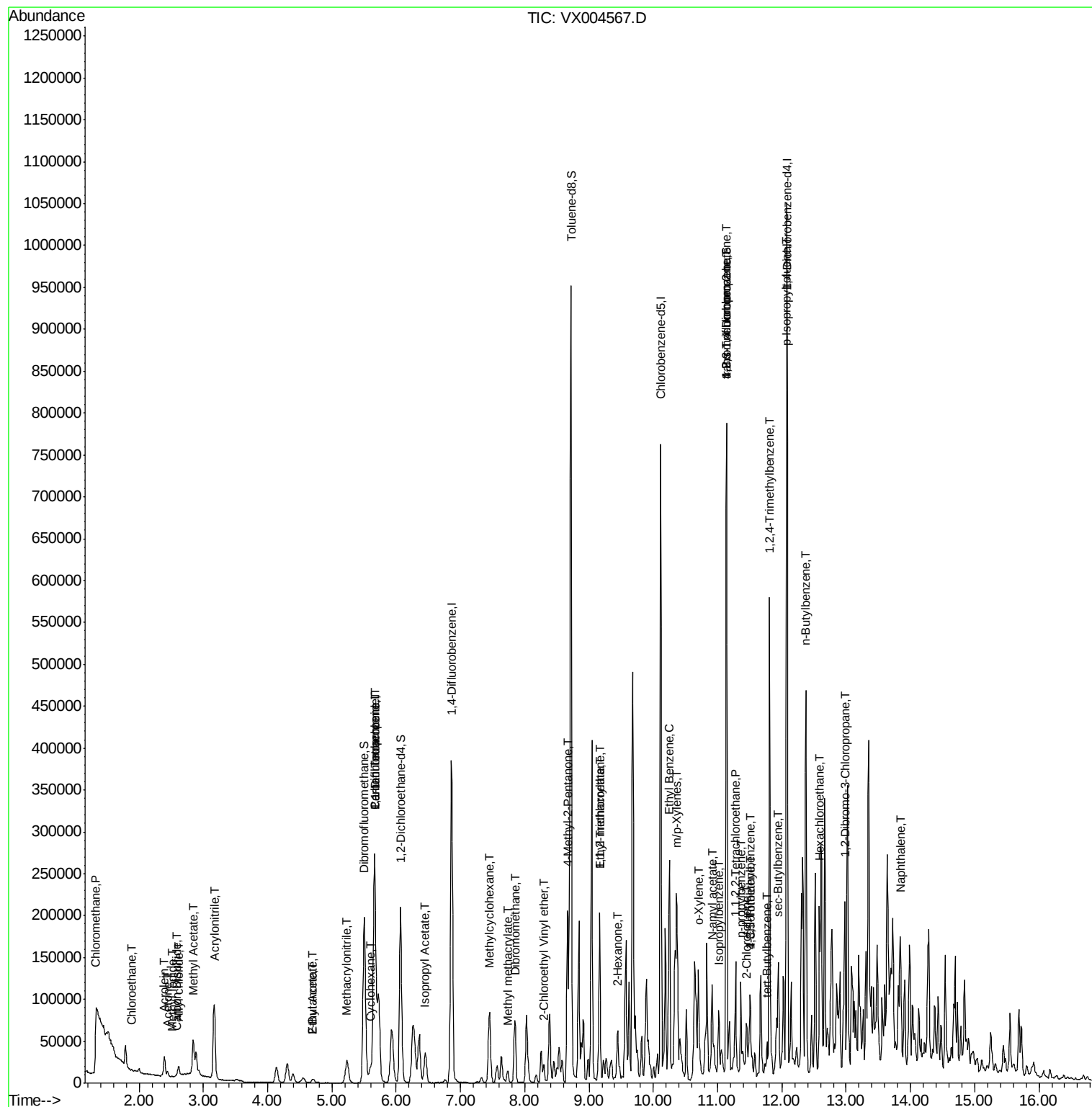
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	11.51	105	35769	3.05	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.14	75	95553	71.51	ug/l #	10
82) 4-Chlorotoluene	11.51	91	3957	0.35	ug/l #	46
83) tert-Butylbenzene	11.77	119	4313	0.39	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	246687	20.62	ug/l	100
85) sec-Butylbenzene	11.94	105	59089	4.16	ug/l	82
86) p-Isopropyltoluene	12.07	119	43080	3.43	ug/l	97
89) n-Butylbenzene	12.37	91	36383	3.18	ug/l #	1
90) Hexachloroethane	12.58	117	8201	4.08	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.98	75	855	0.89	ug/l #	1
95) Naphthalene	13.83	128	92359	6.39	ug/l #	92

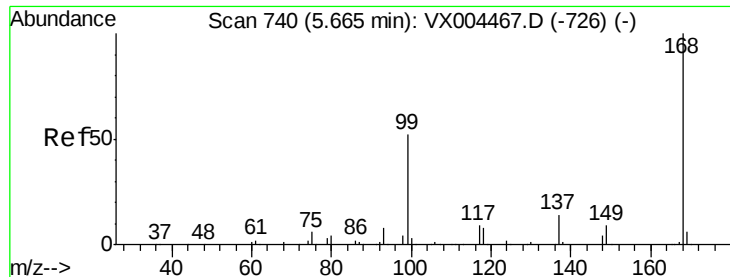
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

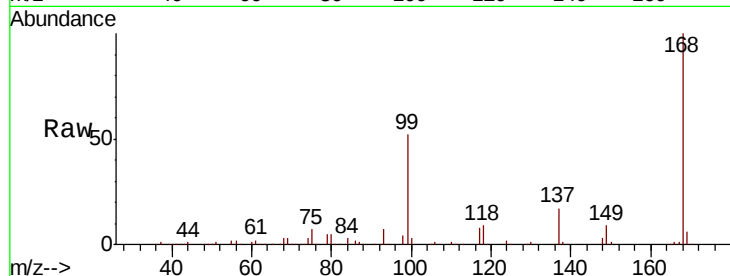
S13-0259

Tot Ion:168 Resp: 281543

Ion Ratio Lower Upper

168 100

99 52.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

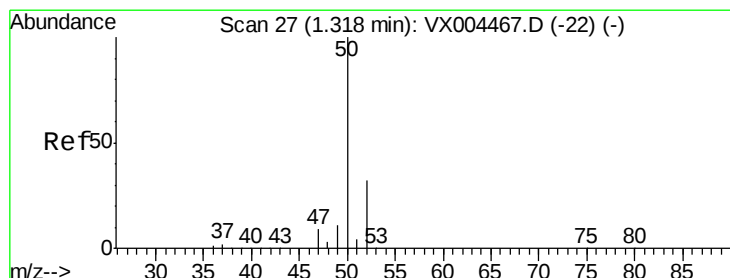
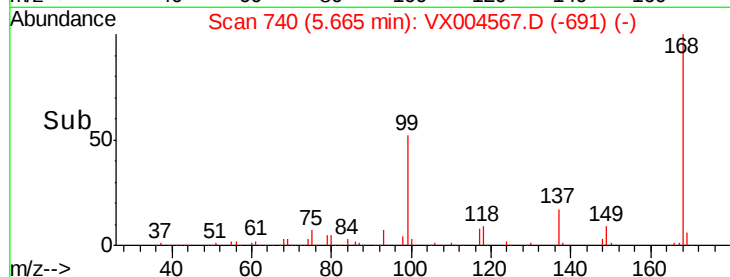
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.16 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004567.D

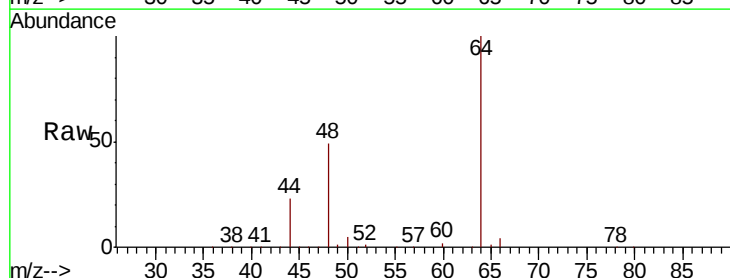
Acq: 15 Sep 2018 06:42

Tgt Ion: 50 Resp: 4212

Ion Ratio Lower Upper

50 100

52 16.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

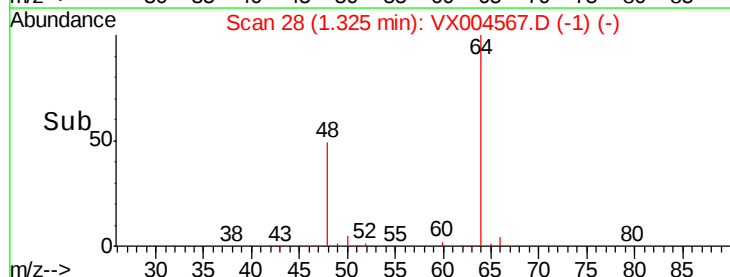
1500

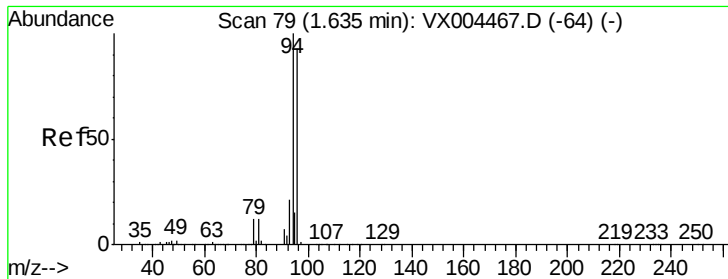
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampled :

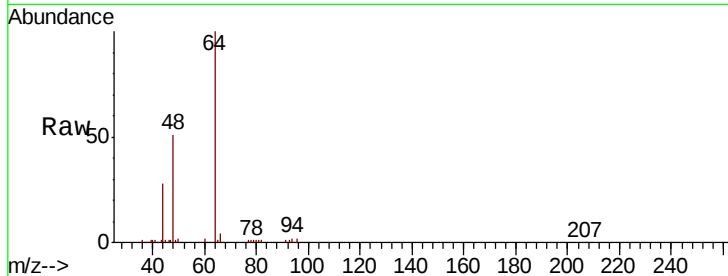
S13-0259

Tot Ion: 94 Resp: 698

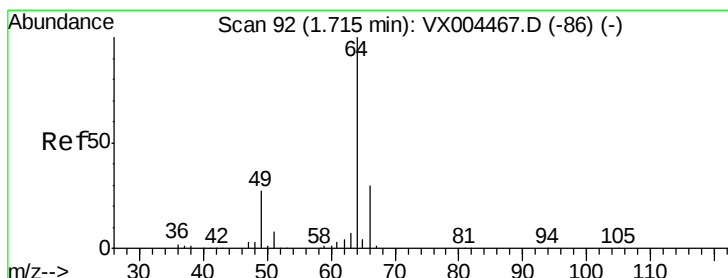
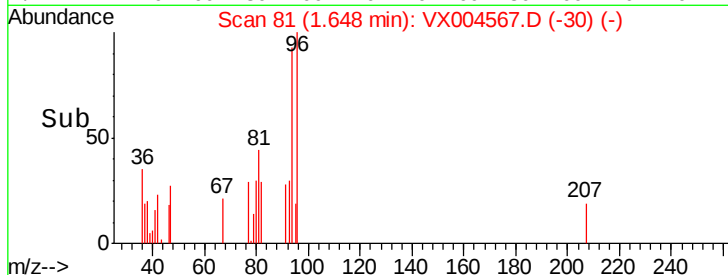
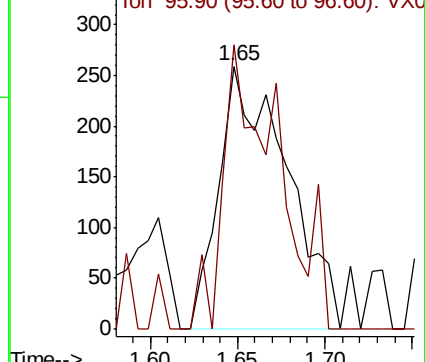
Ion Ratio Lower Upper

94 100

96 108.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 0.82 ug/l

RT: 1.89 min Scan# 120

Delta R.T. 0.17 min

Lab File: VX004567.D

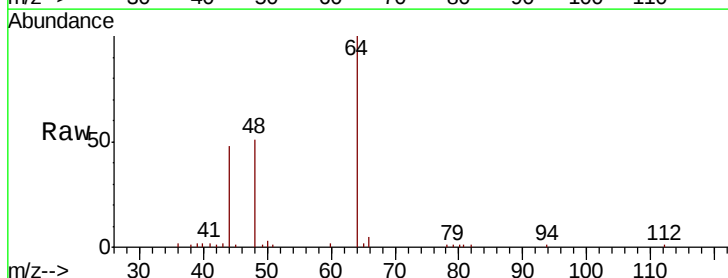
Acq: 15 Sep 2018 06:42

Tgt Ion: 64 Resp: 1980

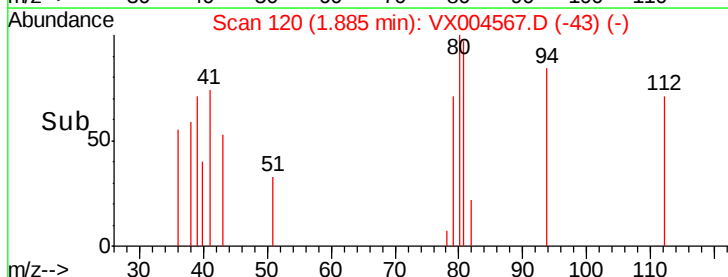
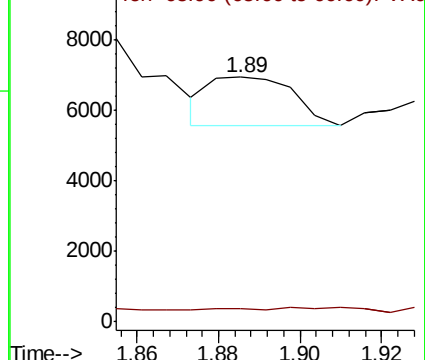
Ion Ratio Lower Upper

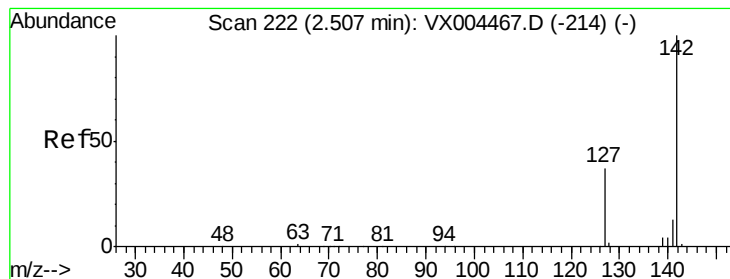
64 100

66 2.6 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0





#10

Methvl Iodide

Concen: 4.38 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampled :

S13-0259

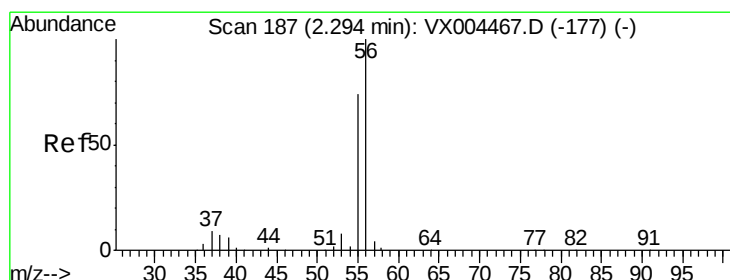
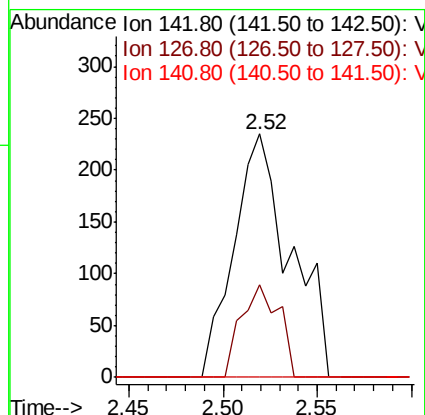
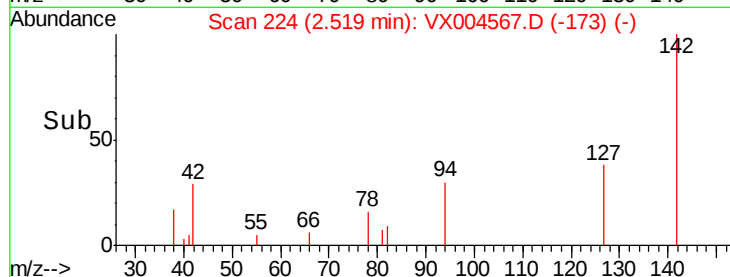
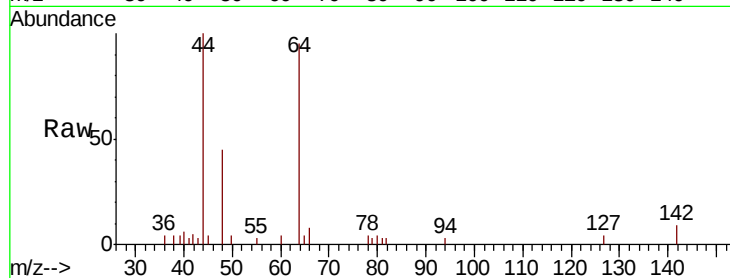
Tot Ion:142 Resp: 487

Ion Ratio Lower Upper

142 100

127 25.7 33.8 50.6#

141 0.0 11.4 17.0#



#13

Acrolein

Concen: 9.67 ug/l

RT: 2.40 min Scan# 204

Delta R.T. 0.10 min

Lab File: VX004567.D

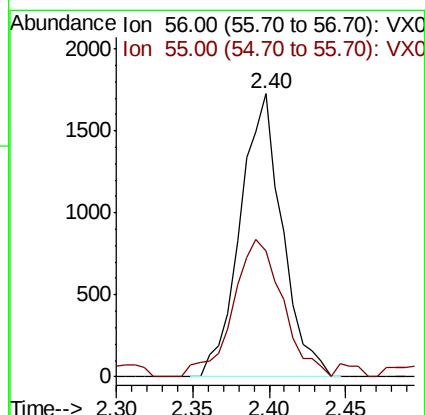
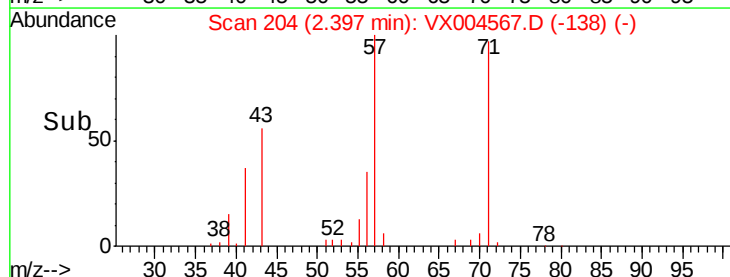
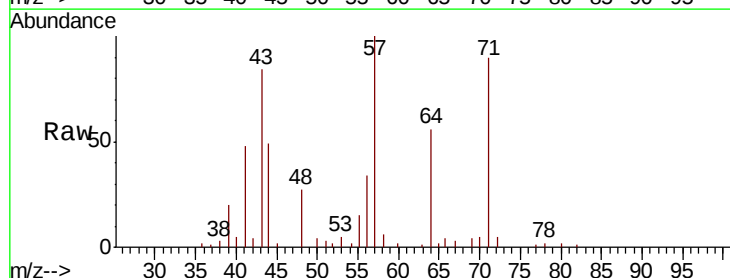
Acq: 15 Sep 2018 06:42

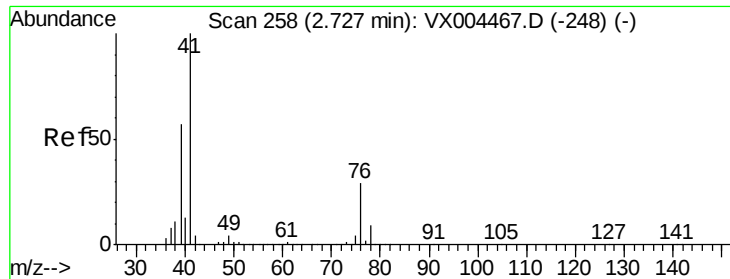
Tgt Ion: 56 Resp: 3307

Ion Ratio Lower Upper

56 100

55 57.3 54.7 82.1





#14

Allvl chloride

Concen: 0.22 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.11 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

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ClientSampleId :

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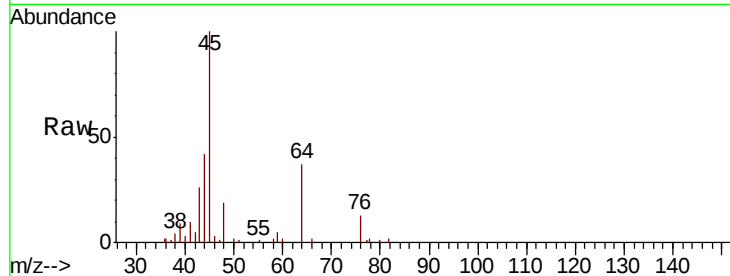
Tot Ion: 41 Resp: 1360

Ion Ratio Lower Upper

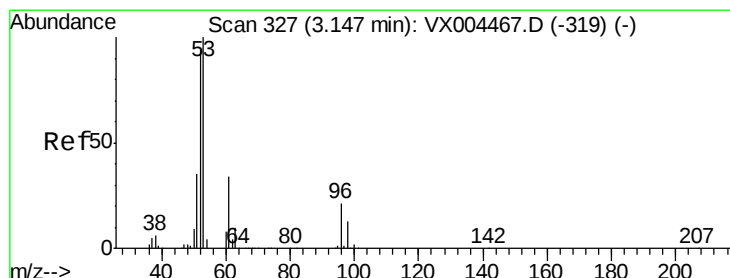
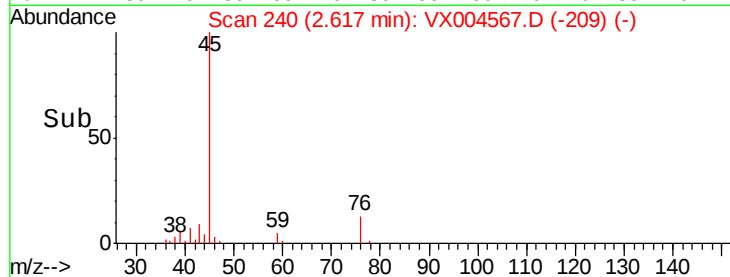
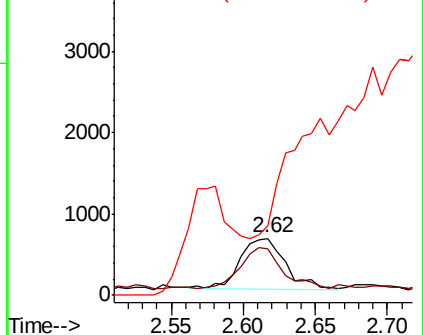
41 100

39 76.5 48.9 73.3#

76 0.0 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 1.03 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

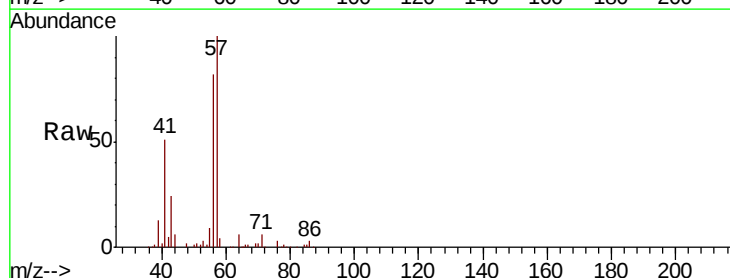
Tgt Ion: 53 Resp: 2144

Ion Ratio Lower Upper

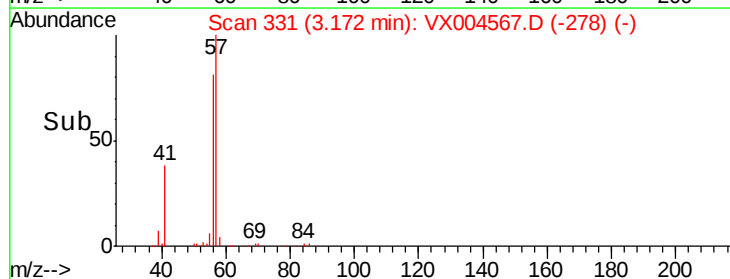
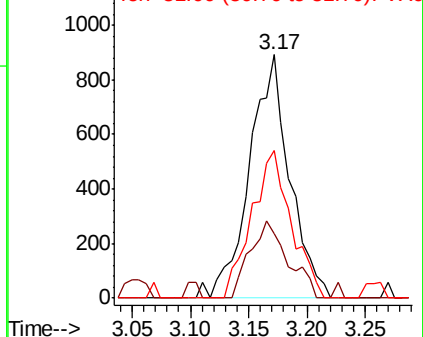
53 100

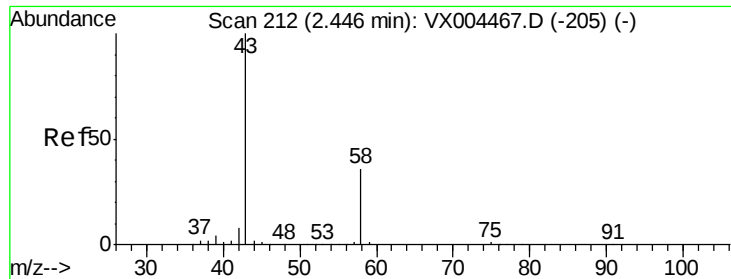
52 29.6 65.2 97.8#

51 59.3 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

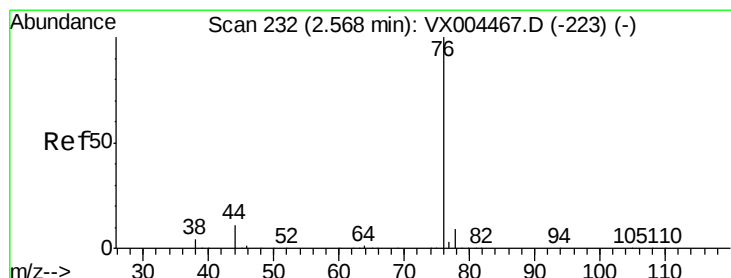
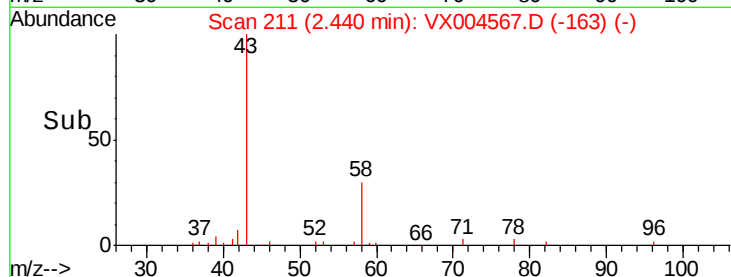
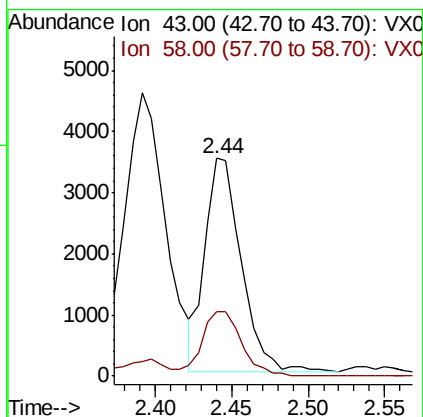
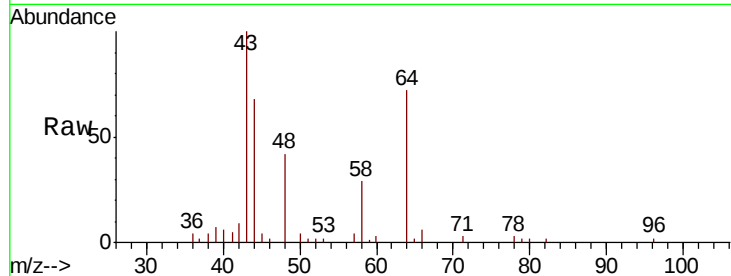




#16
Acetone
Concen: 3.25 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

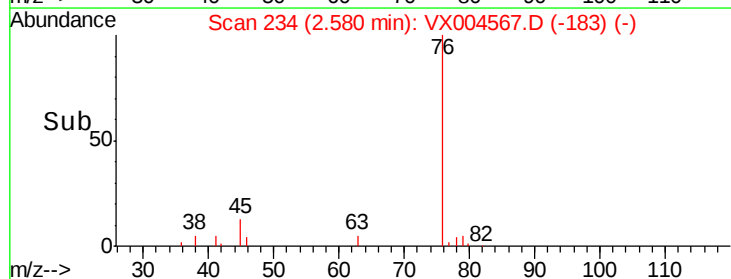
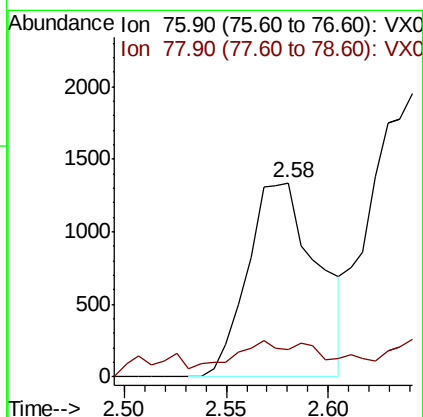
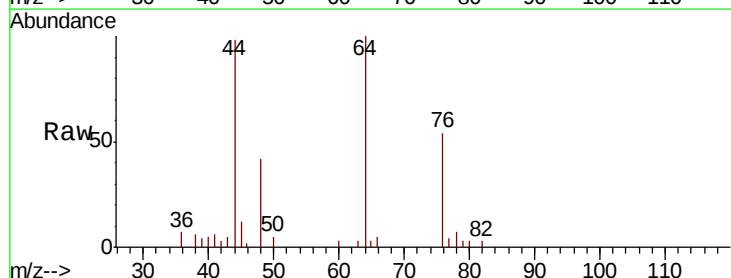
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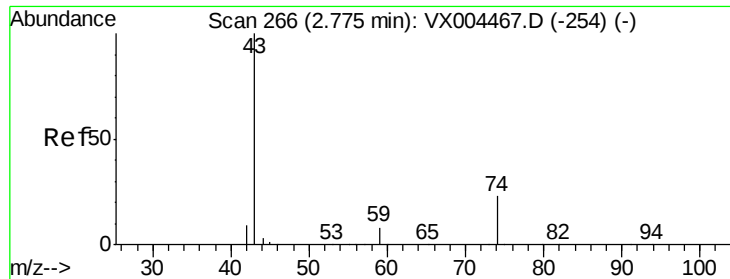
Tot Ion: 43 Resp: 5751
Ion Ratio Lower Upper
43 100
58 30.0 26.2 39.4



#17
Carbon Disulfide
Concen: 0.37 ug/l
RT: 2.58 min Scan# 234
Delta R.T. 0.01 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion: 76 Resp: 3183
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6

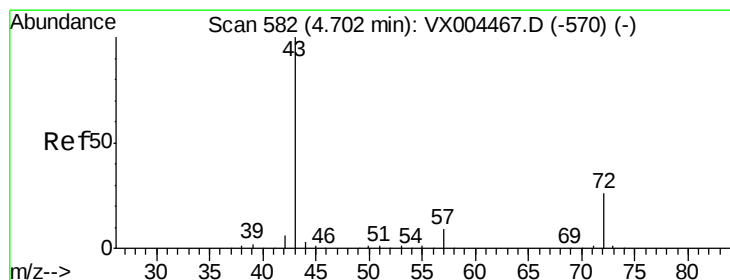
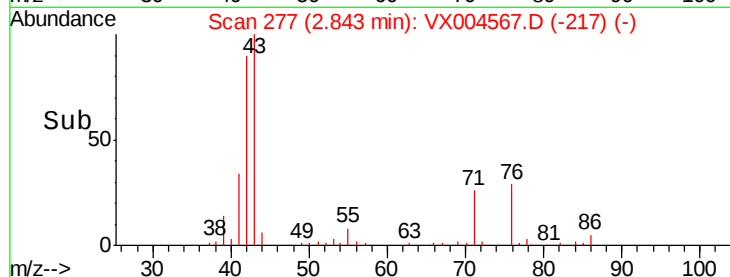
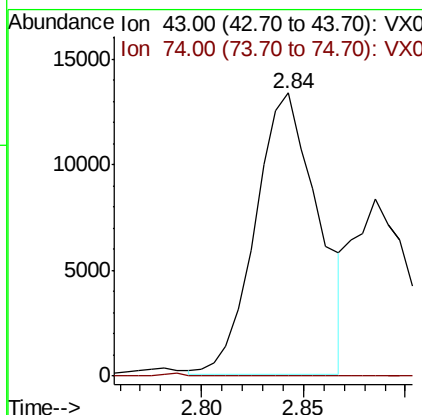
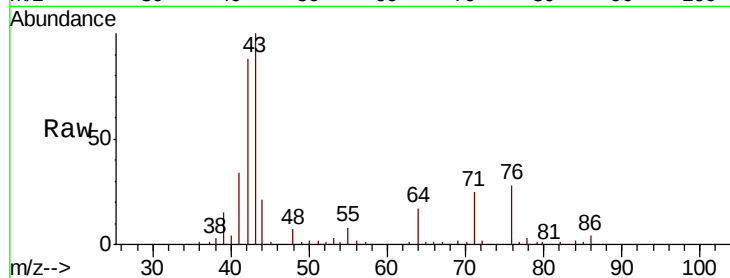




#18
Methyl Acetate
Concen: 5.73 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.07 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

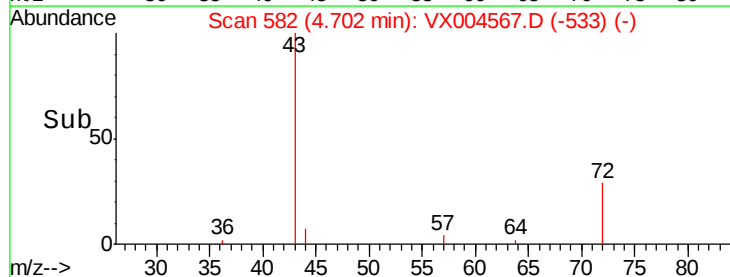
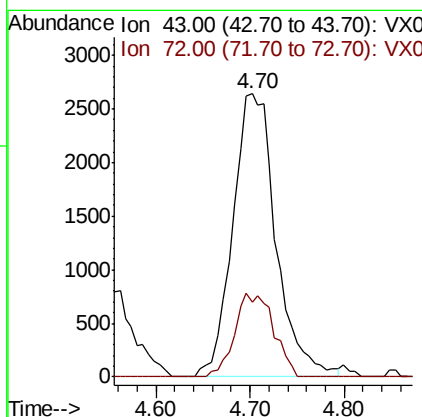
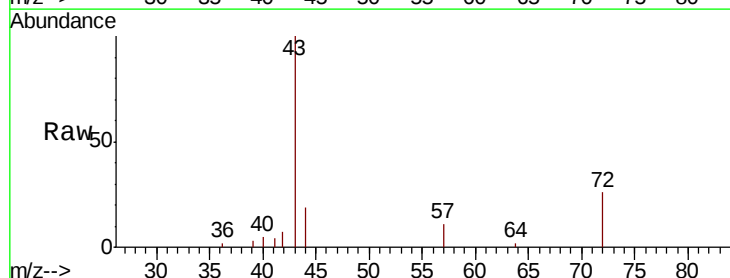
Instrument :
MSVOA_X
ClientSampled :
S13-0259

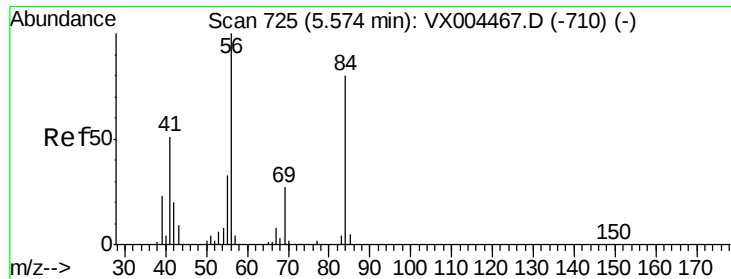
Tot Ion: 43 Resp: 28473
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#25
2-Butanone
Concen: 3.01 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion: 43 Resp: 8478
Ion Ratio Lower Upper
43 100
72 26.3 22.0 33.0

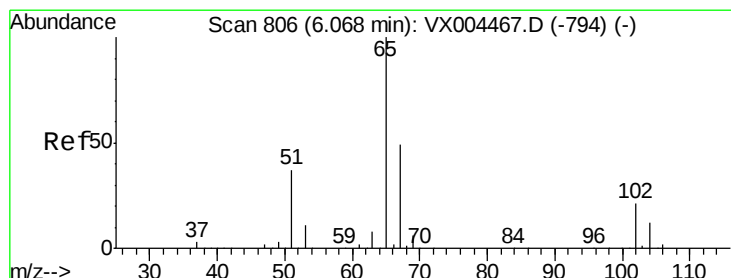
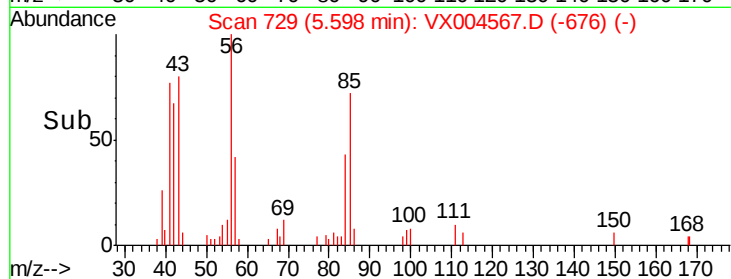
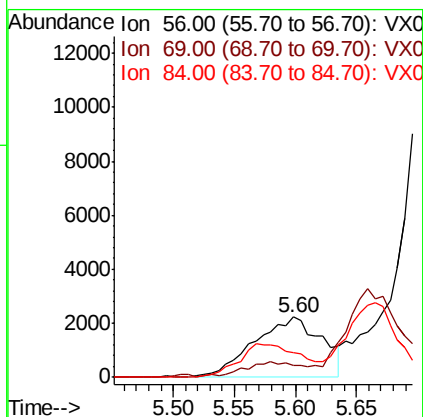
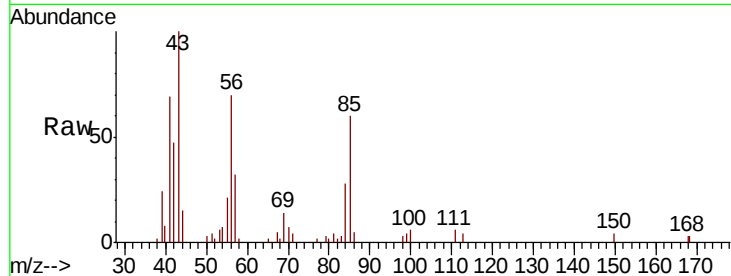




#31
Cyclohexane
Concen: 1.64 ug/l
RT: 5.60 min Scan# 729
Delta R.T. 0.02 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

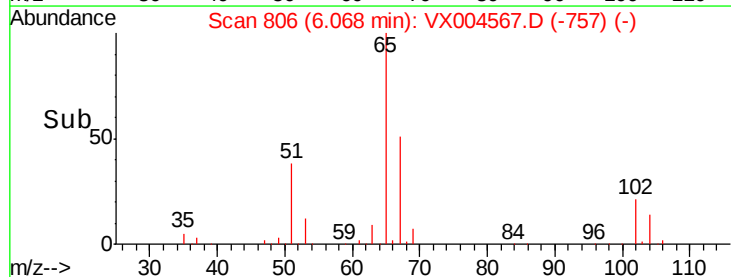
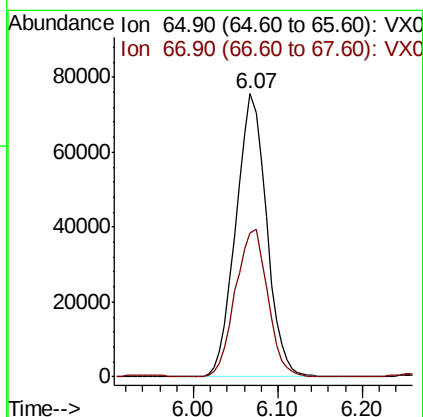
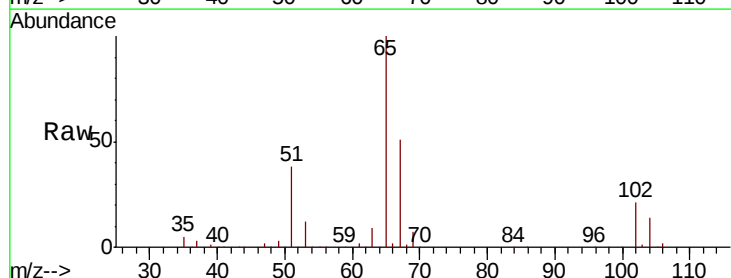
Instrument :
MSVOA_X
ClientSampleId :
S13-0259

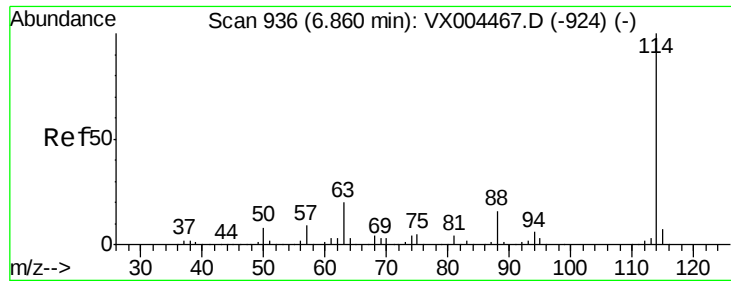
Tot Ion: 56 Resp: 8607
Ion Ratio Lower Upper
56 100
69 15.3 25.4 38.2#
84 40.7 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 51.38 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion: 65 Resp: 186516
Ion Ratio Lower Upper
65 100
67 55.1 0.0 106.8

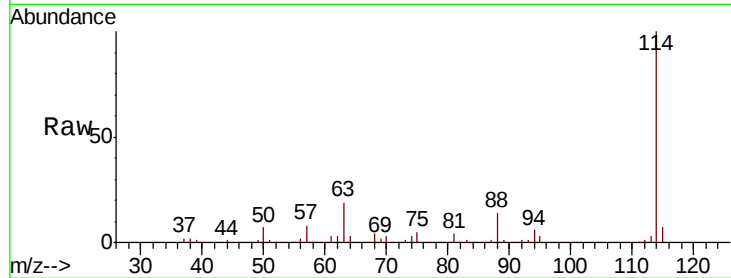




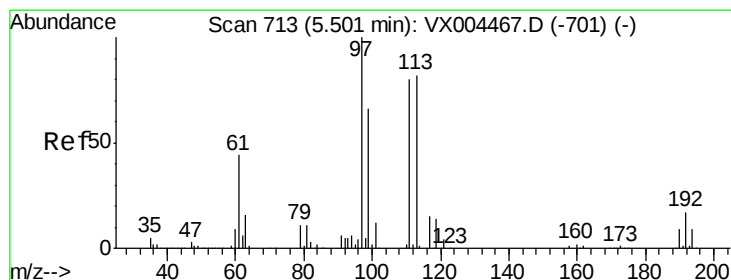
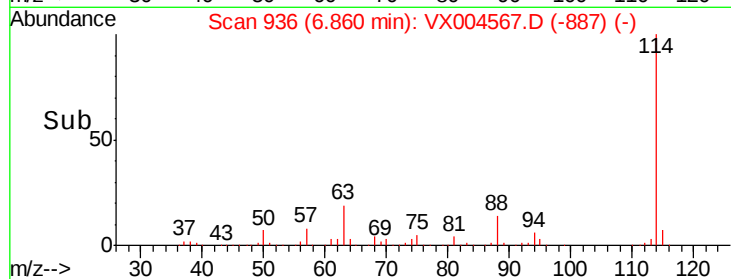
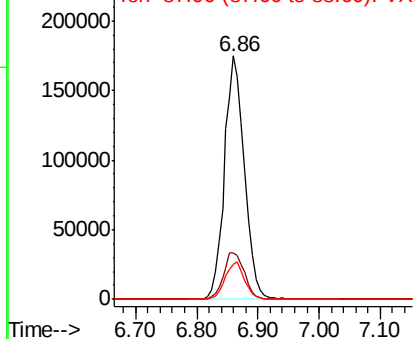
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004567.D
 Acq: 15 Sep 2018 06:42

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0259

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.0
88	14.4	0.0	30.4

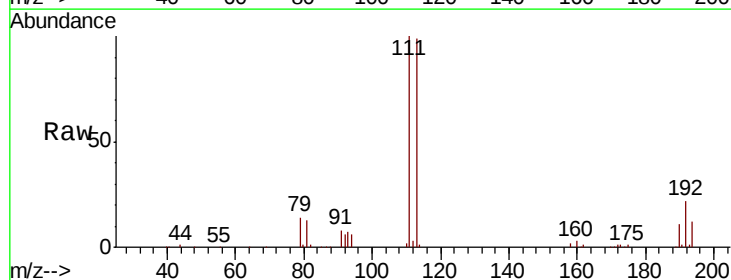


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

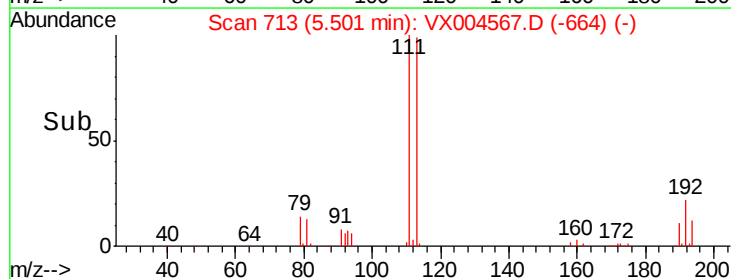
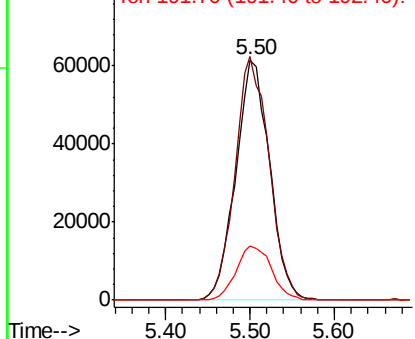


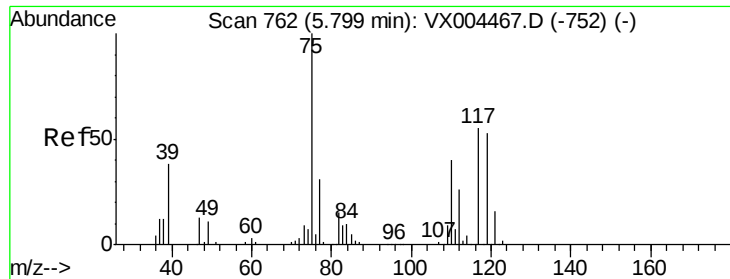
#35
 Dibromofluoromethane
 Concen: 46.20 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004567.D
 Acq: 15 Sep 2018 06:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	23.6	19.4	29.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.81 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0259

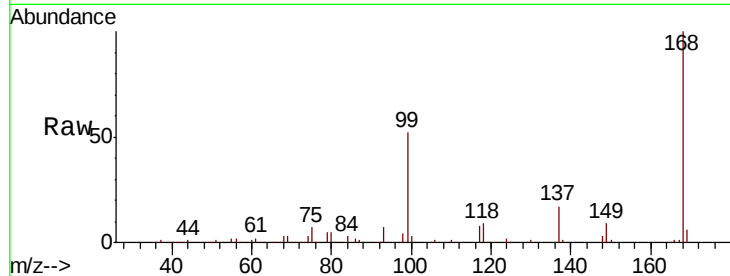
Tot Ion: 75 Resp: 18261

Ion Ratio Lower Upper

75 100

110 9.1 18.0 54.0#

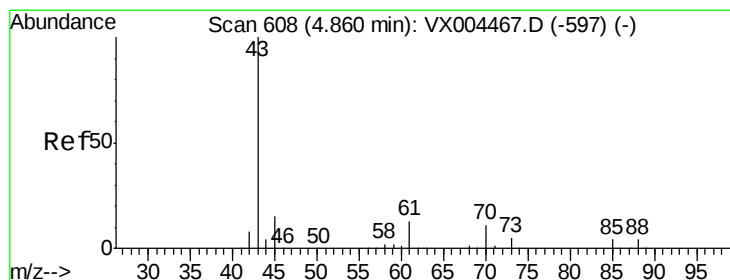
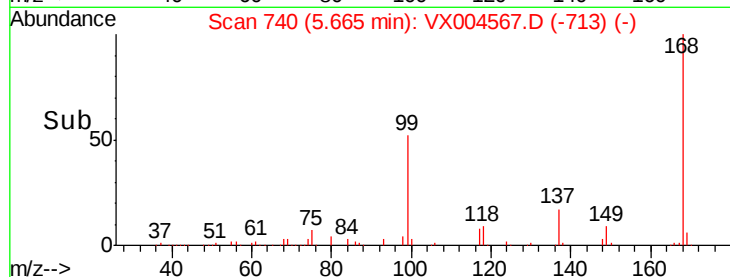
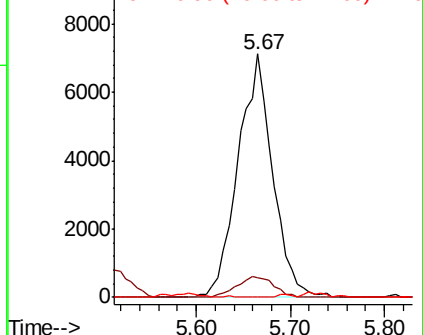
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 1.55 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.16 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

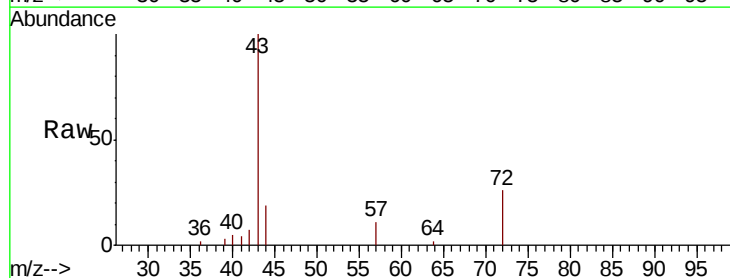
Tgt Ion: 43 Resp: 8478

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

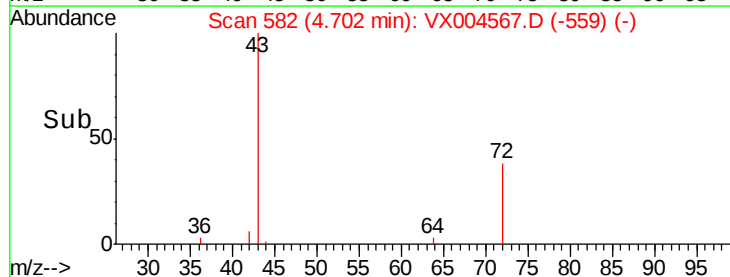
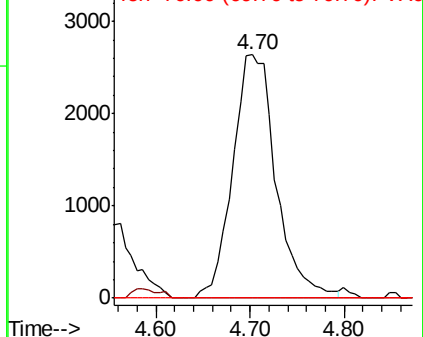
70 0.0 9.0 13.6#

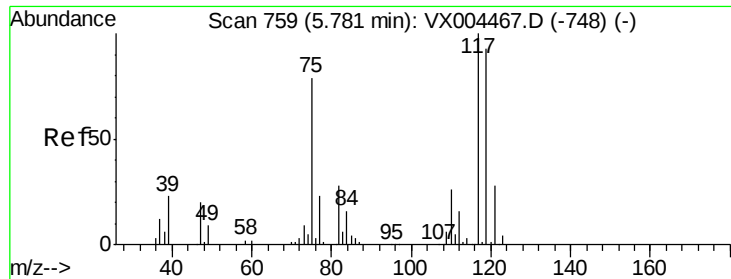


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.07 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0259

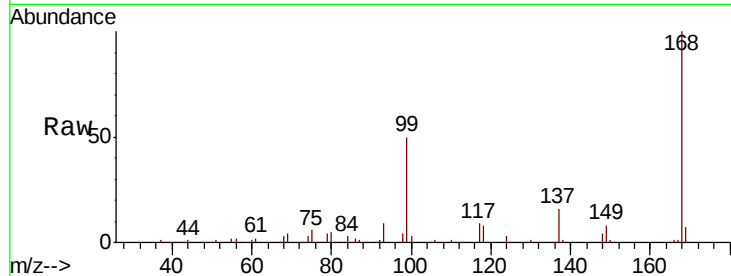
Tot Ion:117 Resp: 23785

Ion Ratio Lower Upper

117 100

119 5.6 78.8 118.2#

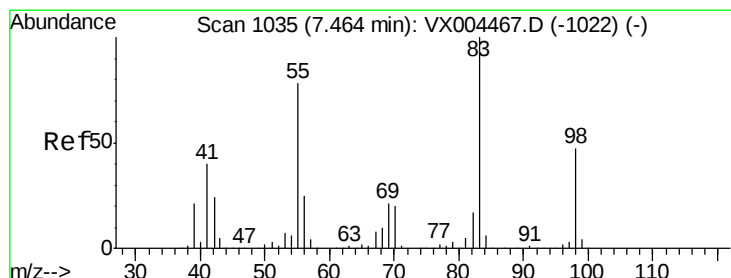
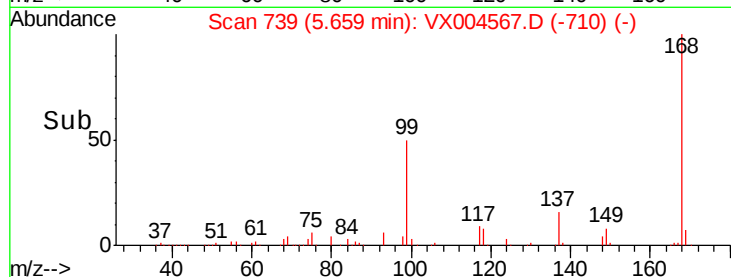
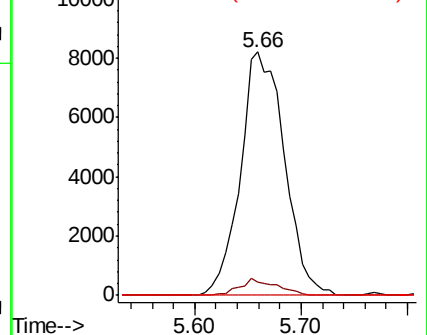
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 5.00 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

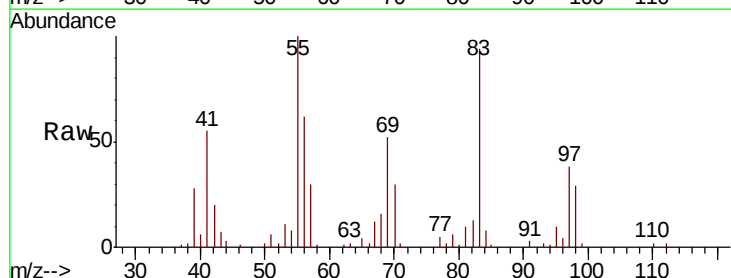
Tgt Ion: 83 Resp: 25013

Ion Ratio Lower Upper

83 100

55 106.1 61.0 91.4#

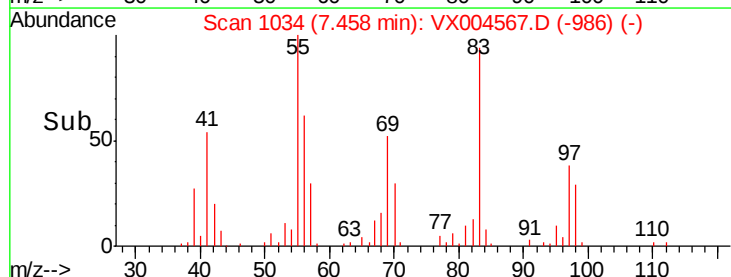
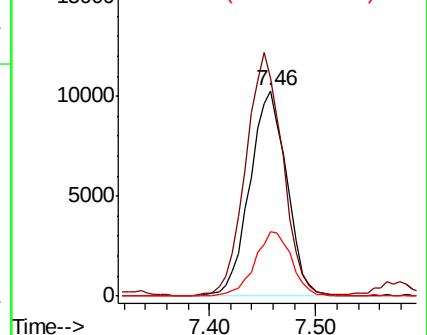
98 31.1 39.6 59.4#

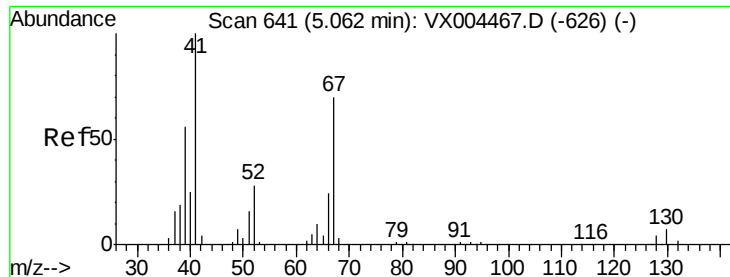


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#41

Methacrylonitrile

Concen: 2.50 ug/l

RT: 5.23 min Scan# 669

Delta R.T. 0.17 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0259

Tot Ion: 41 Resp: 7528

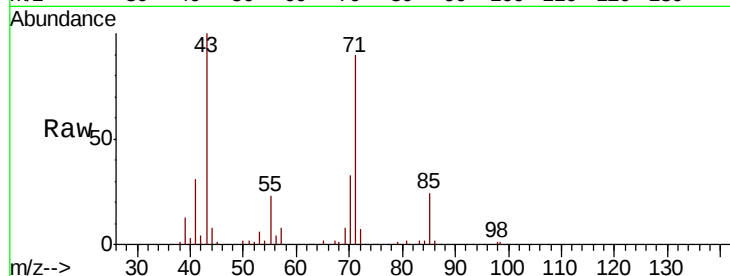
Ion Ratio Lower Upper

41 100

39 48.0 42.4 63.6

67 2.7 59.2 88.8#

52 0.8 23.0 34.4#

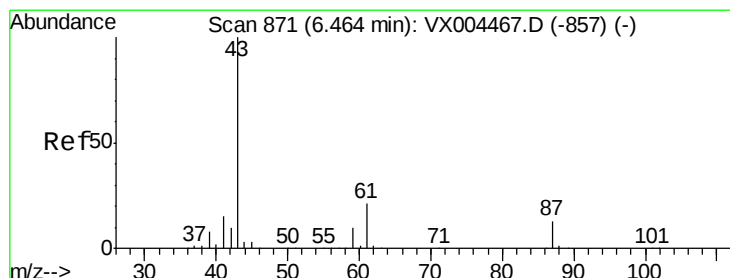
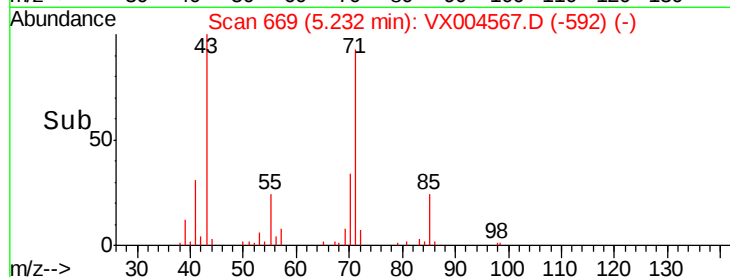
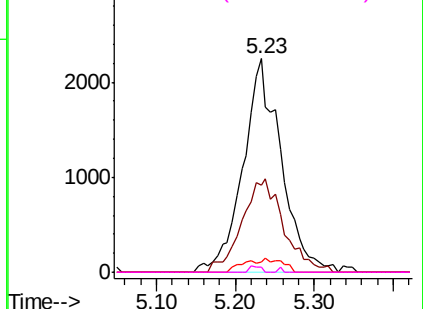


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#43

Isopropyl Acetate

Concen: 0.27 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.01 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

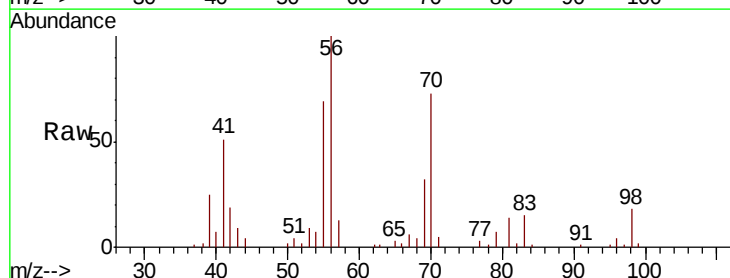
Tgt Ion: 43 Resp: 1992

Ion Ratio Lower Upper

43 100

61 0.0 17.0 25.4#

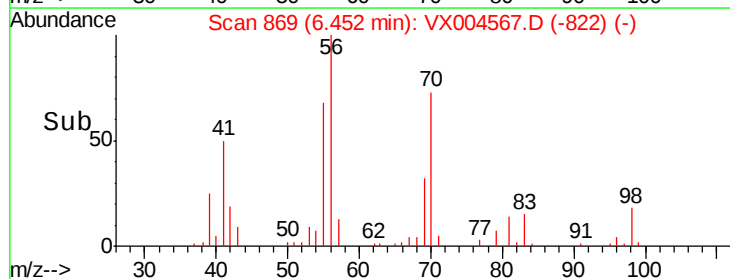
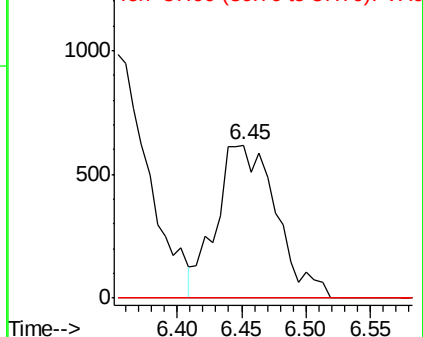
87 0.0 11.4 17.2#

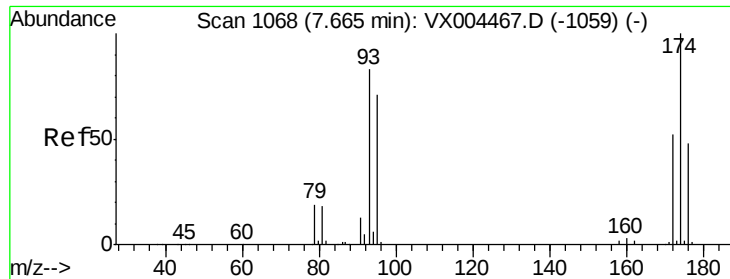


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#46

Dibromomethane

Concen: 0.30 ug/l

RT: 7.85 min Scan# 1099

Delta R.T. 0.19 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0259

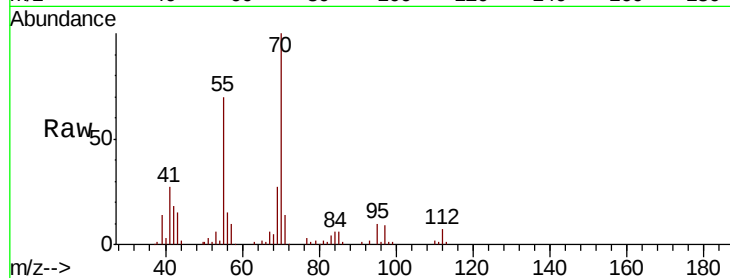
Tot Ion: 93 Resp: 654

Ion Ratio Lower Upper

93 100

95 539.9 65.5 98.3#

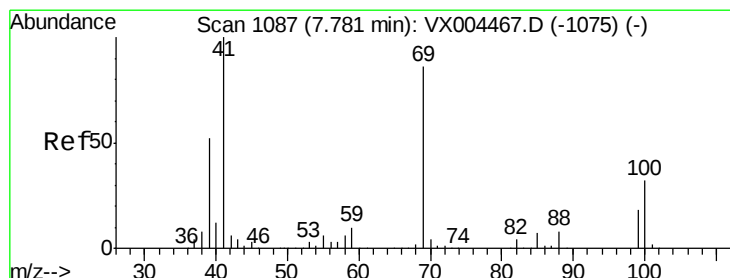
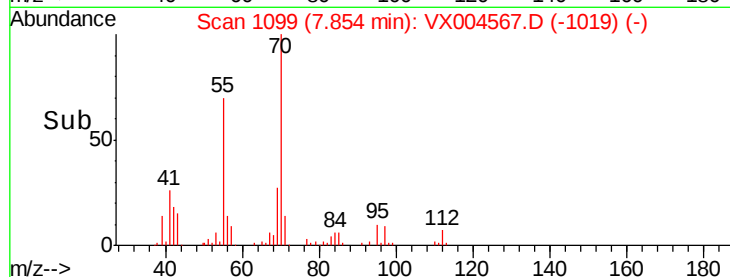
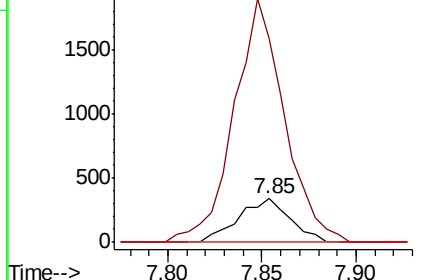
174 0.0 94.2 141.4#



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



#48

Methyl methacrylate

Concen: 0.78 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.05 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

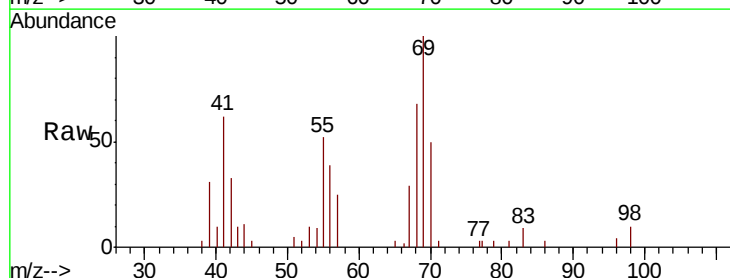
Tgt Ion: 41 Resp: 2803

Ion Ratio Lower Upper

41 100

69 165.6 70.2 105.4#

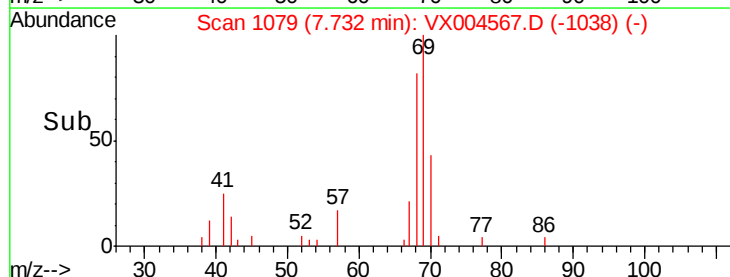
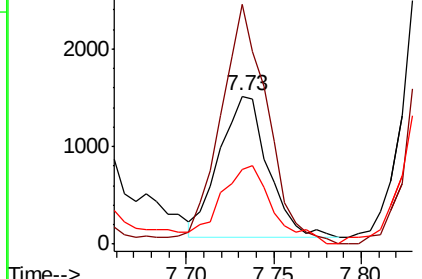
39 61.5 42.7 64.1

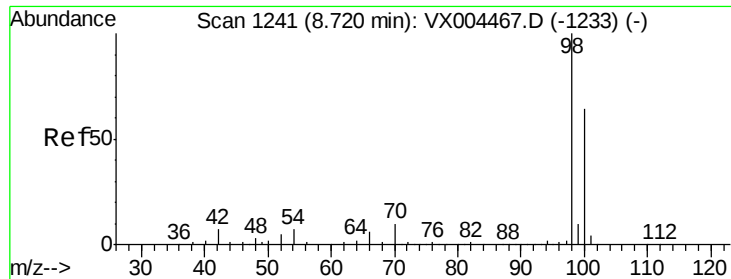


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

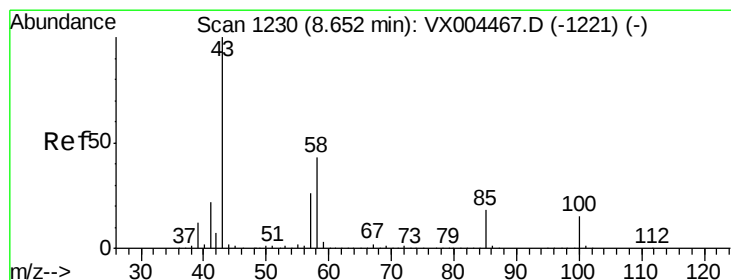
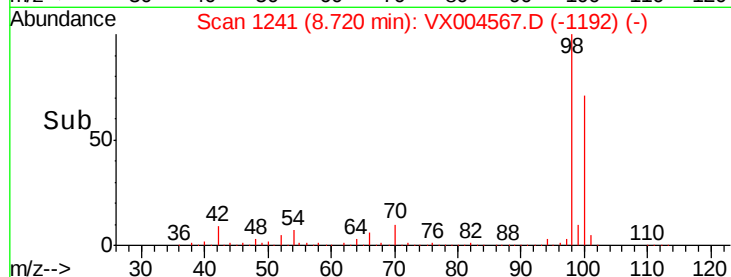
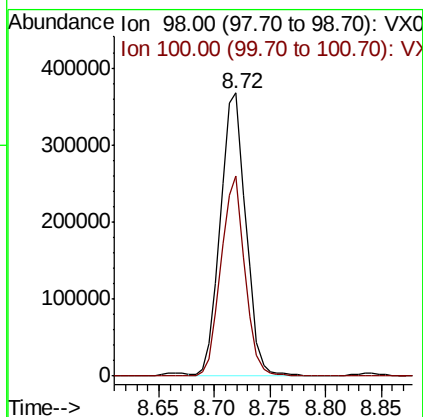
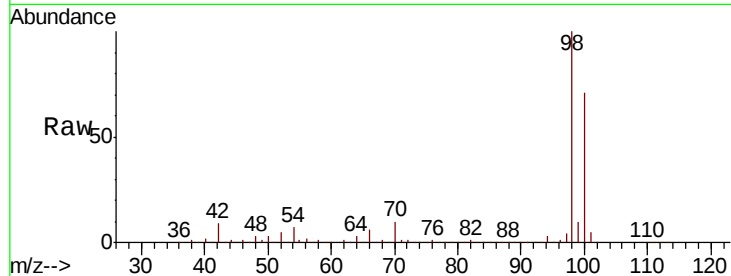




#50
Toluene-d8
Concen: 47.83 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

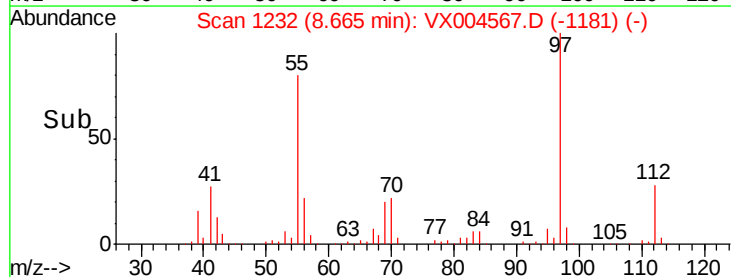
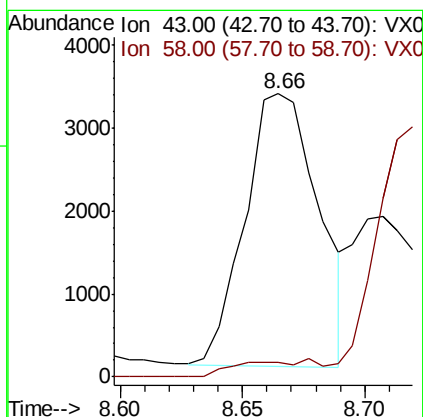
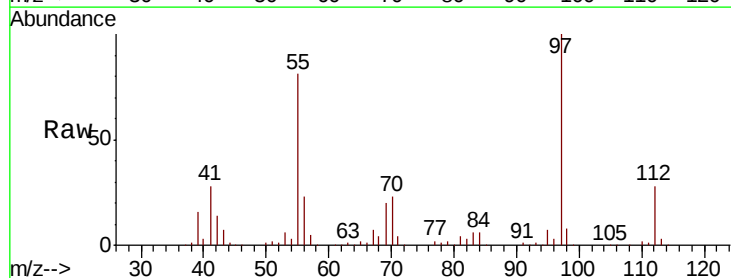
Instrument :
MSVOA_X
ClientSampleId :
S13-0259

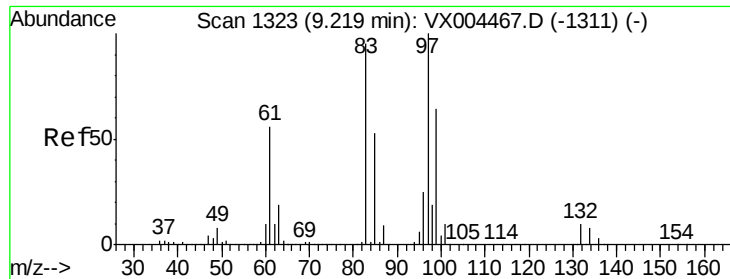
Tot Ion: 98 Resp: 580098
Ion Ratio Lower Upper
98 100
100 66.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.34 ug/l
RT: 8.66 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion: 43 Resp: 6869
Ion Ratio Lower Upper
43 100
58 4.8 33.1 49.7#





#55

1,1,2-Trichloroethane

Concen: 18.27 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0259

Tot Ion: 97 Resp: 65981

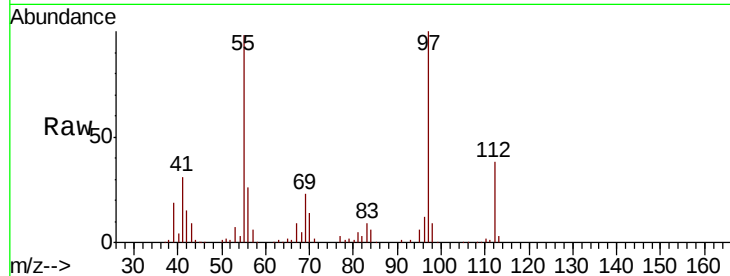
Ion Ratio Lower Upper

97 100

83 8.4 66.4 99.6#

85 0.4 43.3 64.9#

99 0.3 49.0 73.4#



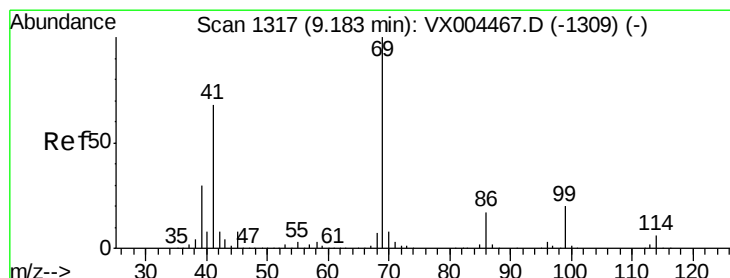
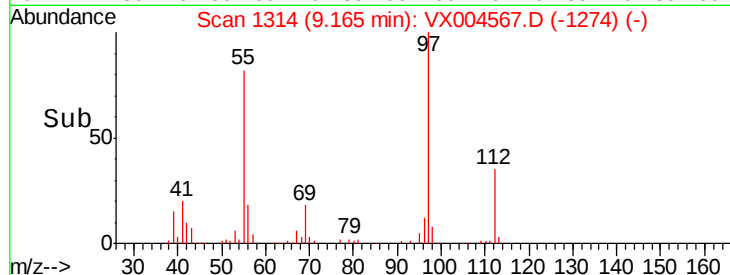
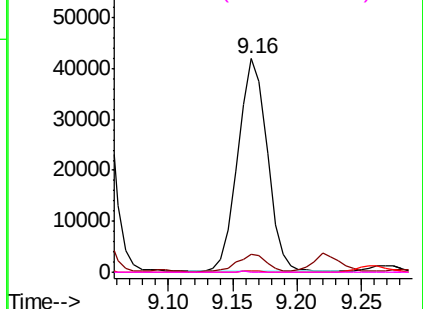
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 2.83 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

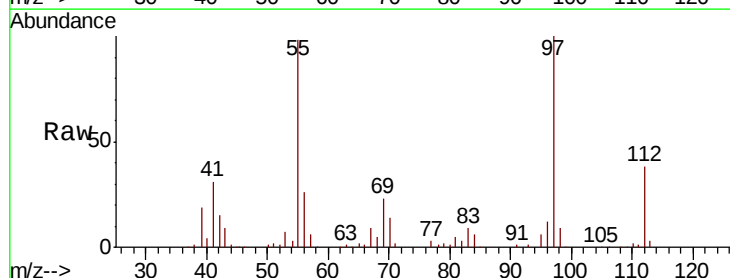
Tgt Ion: 69 Resp: 14456

Ion Ratio Lower Upper

69 100

41 142.7 51.0 76.4#

39 80.3 26.1 39.1#

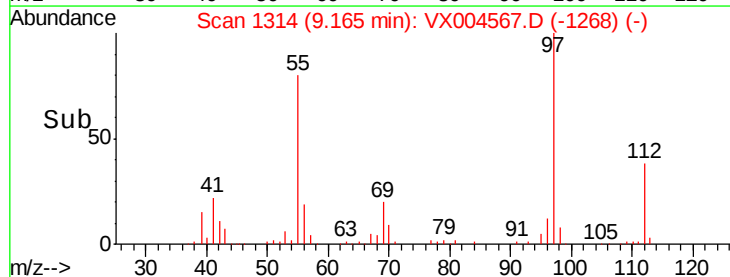
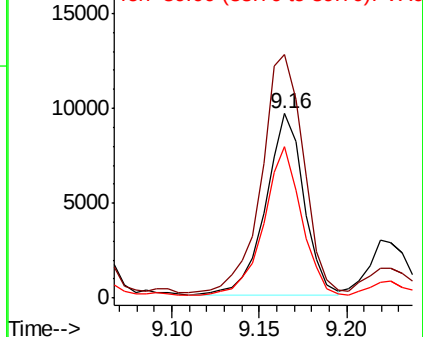


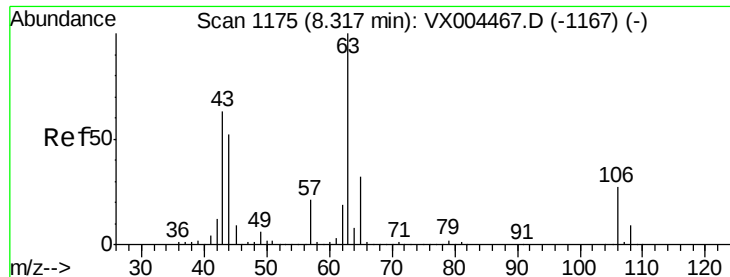
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

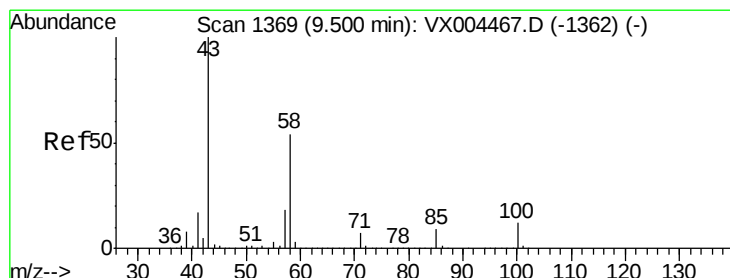
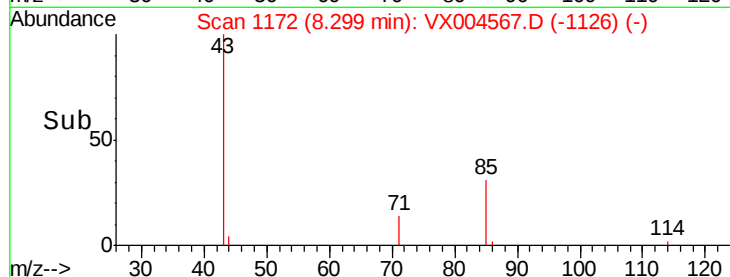
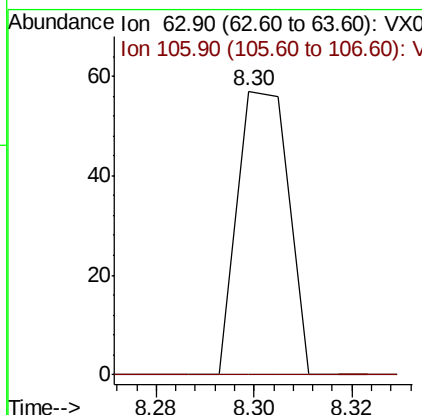
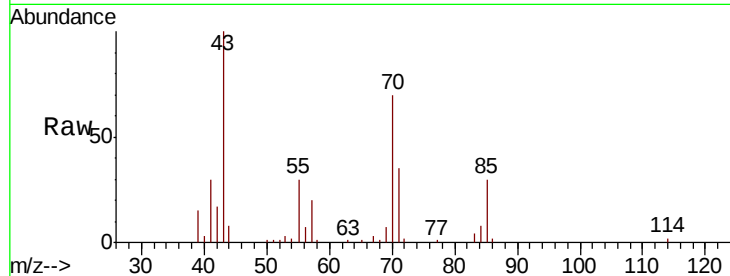




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.29 ug/l
 RT: 8.30 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: VX004567.D
 Acq: 15 Sep 2018 06:42

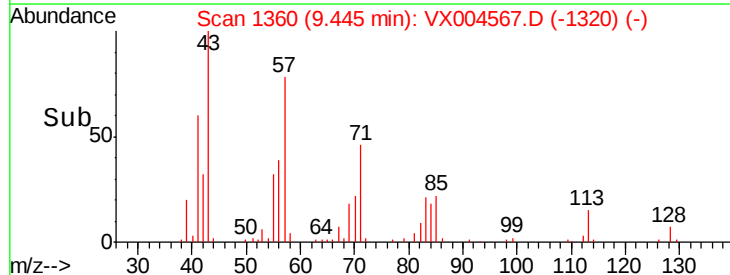
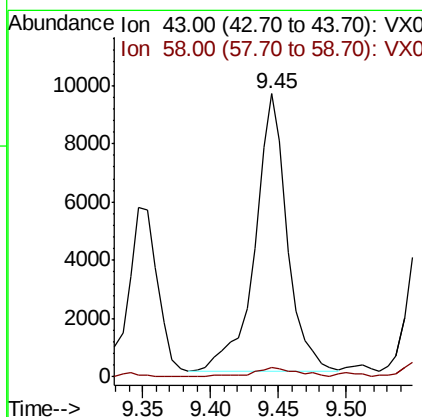
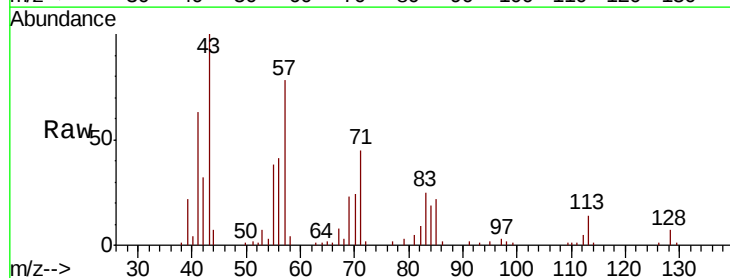
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0259

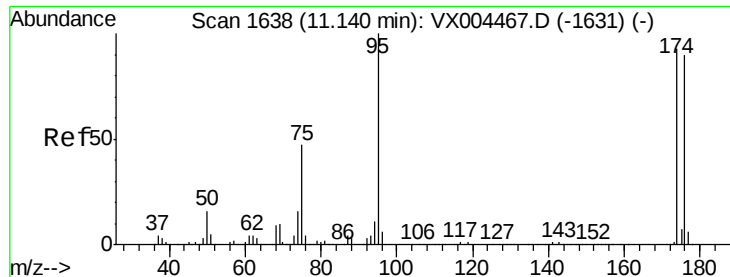
Tot Ion: 63 Resp: 41
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#59
 2-Hexanone
 Concen: 4.06 ug/l
 RT: 9.45 min Scan# 1360
 Delta R.T. -0.05 min
 Lab File: VX004567.D
 Acq: 15 Sep 2018 06:42

Tgt Ion: 43 Resp: 15948
 Ion Ratio Lower Upper
 43 100
 58 4.8 29.0 87.0#

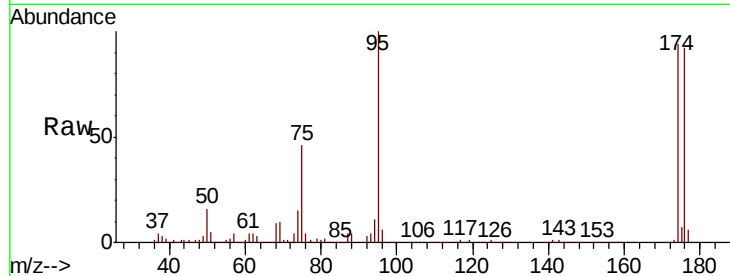




#62
4-Bromofluorobenzene
Concen: 46.73 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Instrument :
MSVOA_X
ClientSampleId :
S13-0259

Tot Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	185.2
176	89.2	0.0	178.6

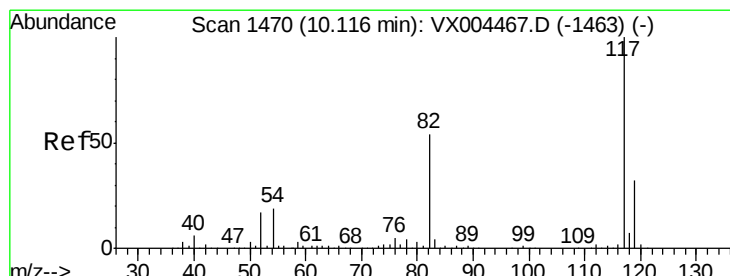
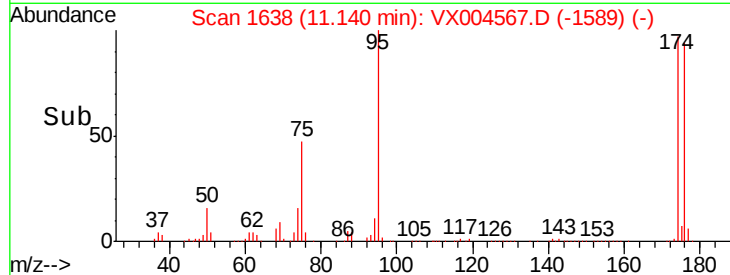
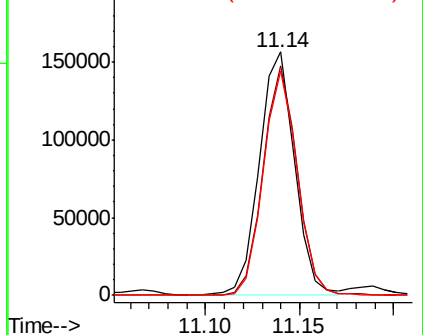


Abundance

Ion 94.90 (94.60 to 95.60): VX004467.D (-1631) (-)

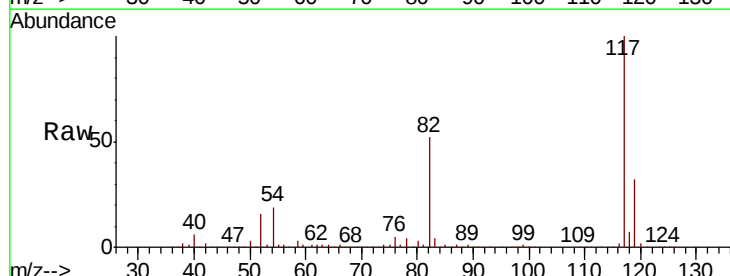
Ion 173.80 (173.50 to 174.50): VX004467.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004467.D (-1631) (-)



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	47.8	71.6
119	32.2	29.3	43.9

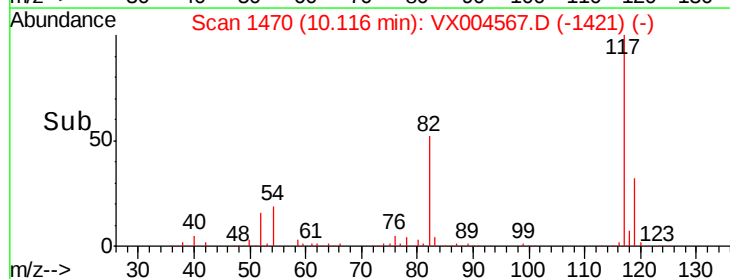
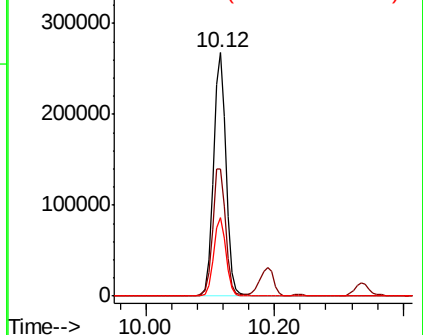


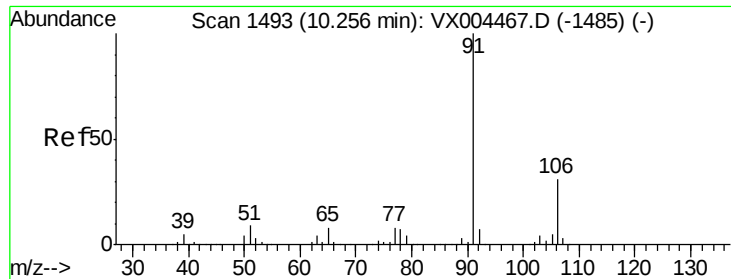
Abundance

Ion 116.90 (116.60 to 117.60): VX004467.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004467.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004467.D (-1463) (-)

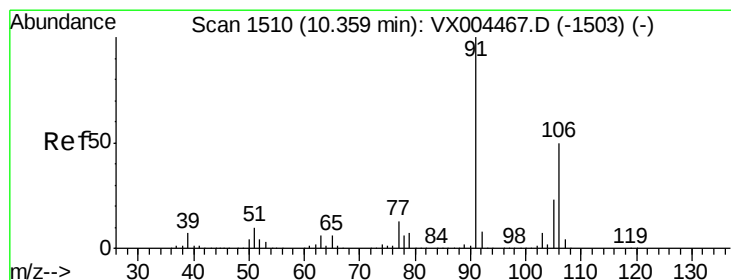
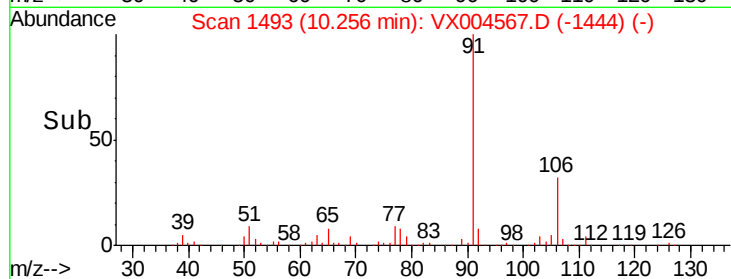
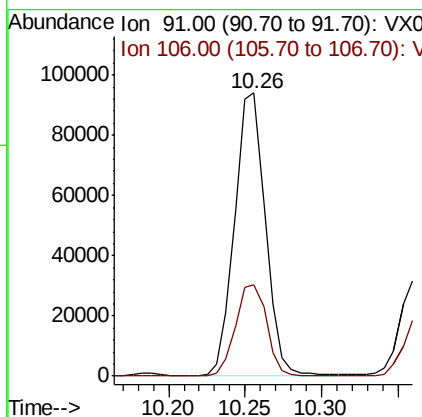
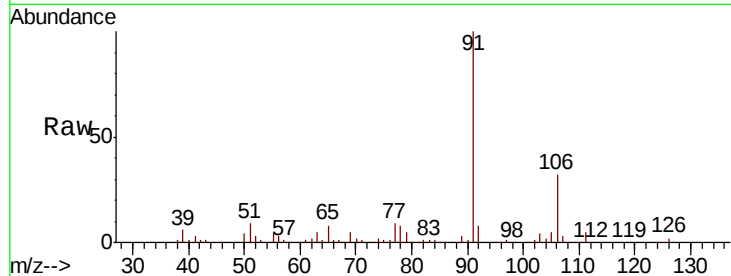




#67
Ethyl Benzene
Concen: 8.83 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

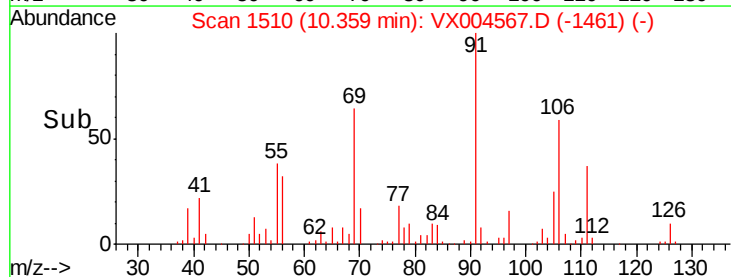
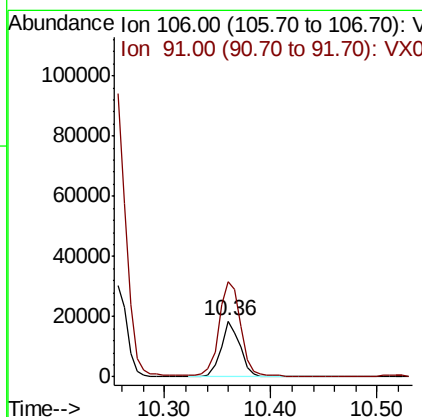
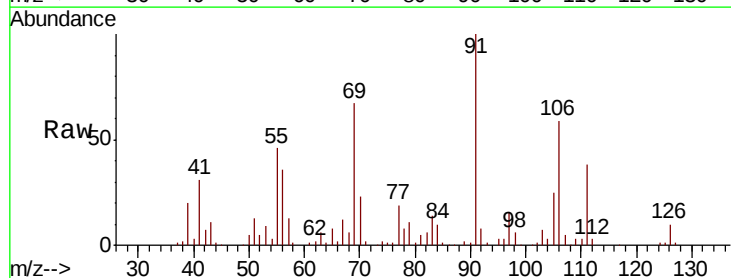
Instrument :
MSVOA_X
ClientSampled :
S13-0259

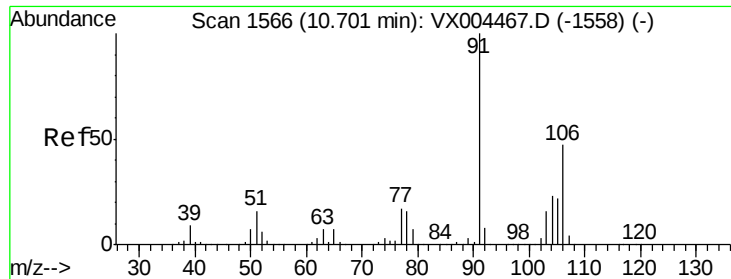
Tot Ion: 91 Resp: 131102
Ion Ratio Lower Upper
91 100
106 32.1 25.9 38.9



#68
m/p-Xylenes
Concen: 4.06 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion: 106 Resp: 23198
Ion Ratio Lower Upper
106 100
91 197.2 157.1 235.7

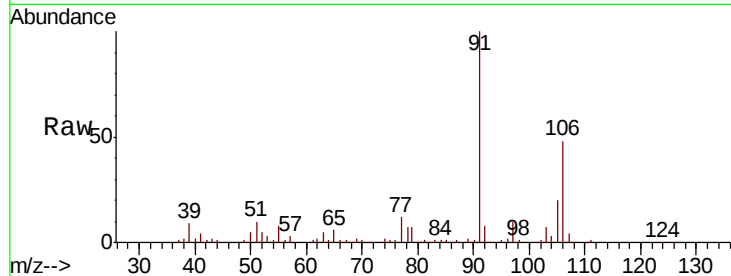




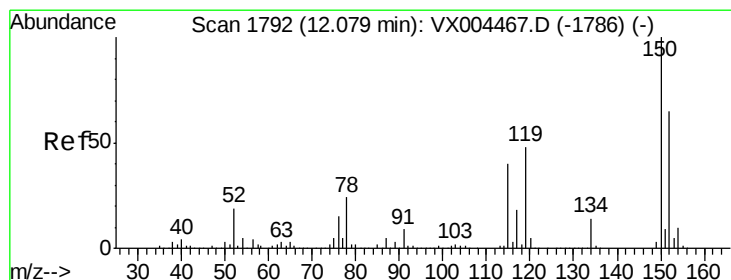
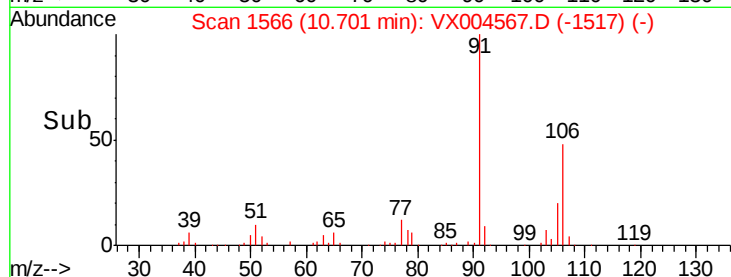
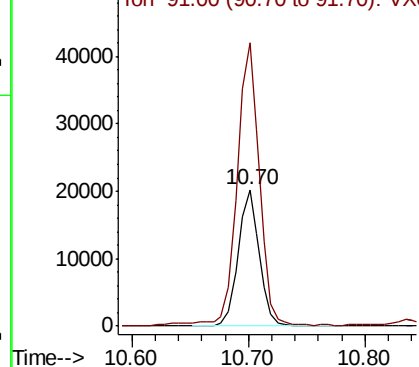
#69
o-Xylene
Concen: 4.64 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Instrument :
MSVOA_X
ClientSampled :
S13-0259

Tot Ion:106 Resp: 25519
Ion Ratio Lower Upper
106 100
91 224.3 105.1 315.1

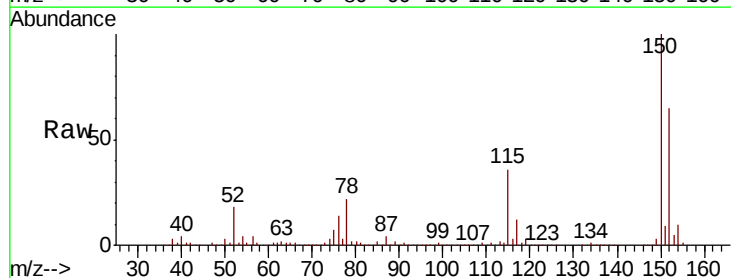


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

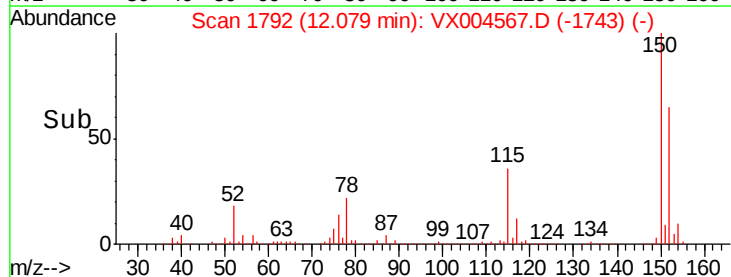
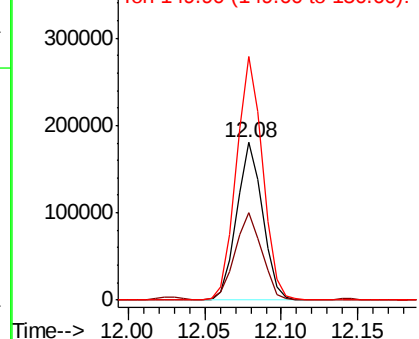


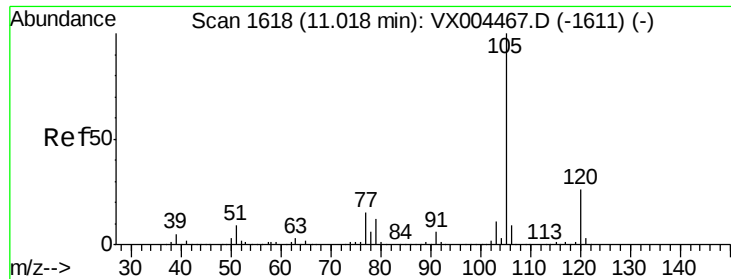
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion:152 Resp: 211692
Ion Ratio Lower Upper
152 100
115 57.2 39.0 117.0
150 156.6 0.0 351.0



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: 2.87 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

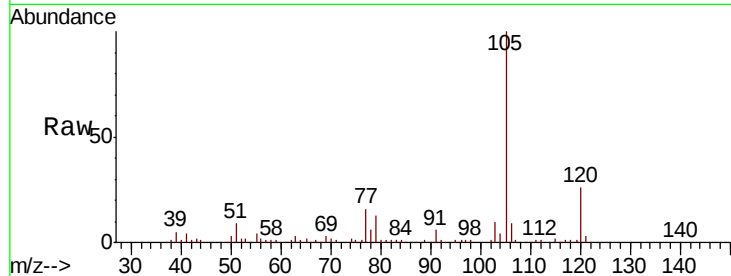
S13-0259

Tot Ion:105 Resp: 40079

Ion Ratio Lower Upper

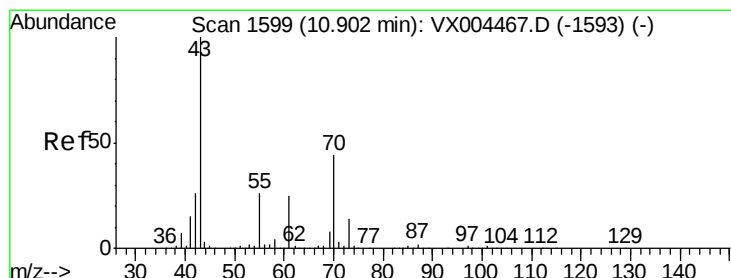
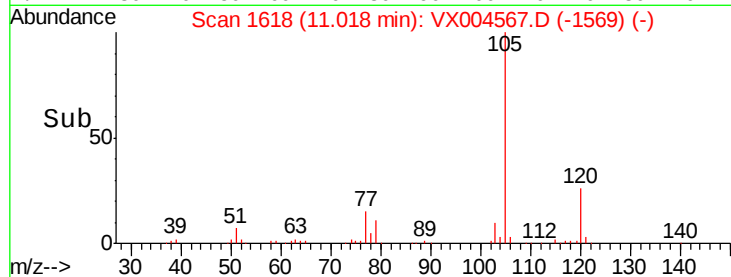
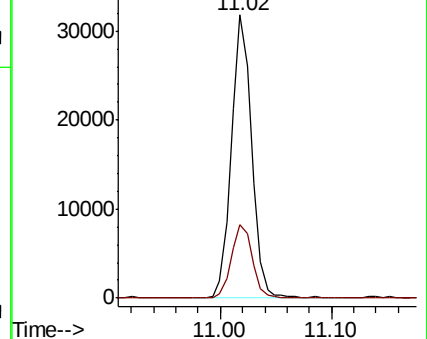
105 100

120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.03 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Tgt Ion: 43 Resp: 6050

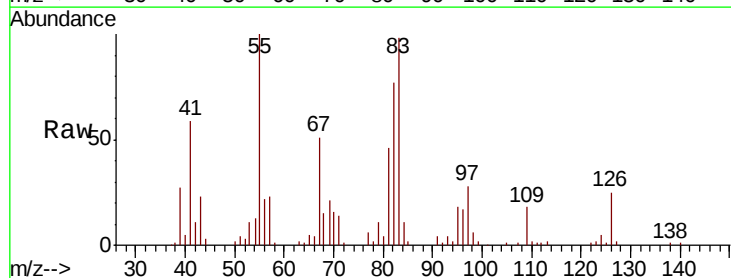
Ion Ratio Lower Upper

43 100

70 76.9 37.4 56.0#

55 443.5 21.8 32.8#

61 0.0 20.6 30.8#

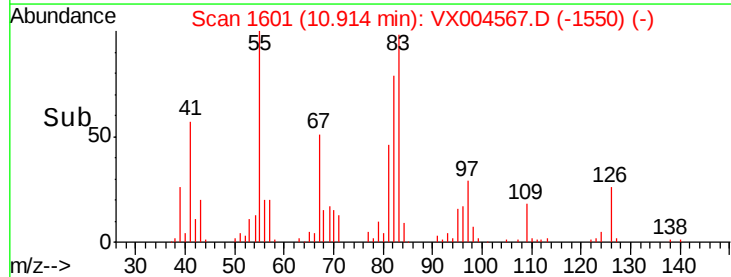
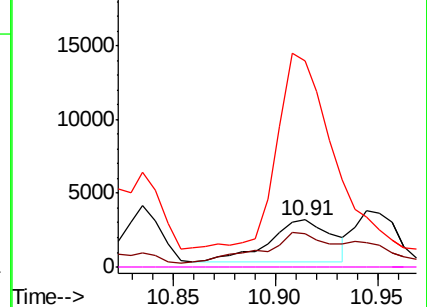


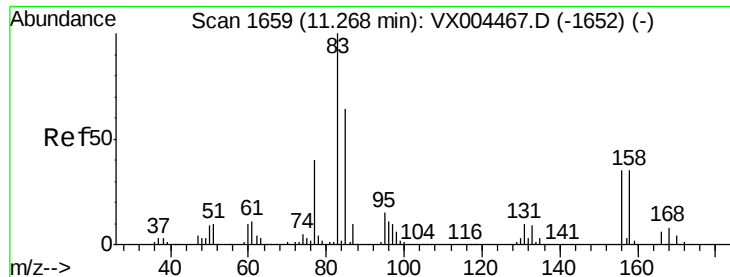
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.68 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0259

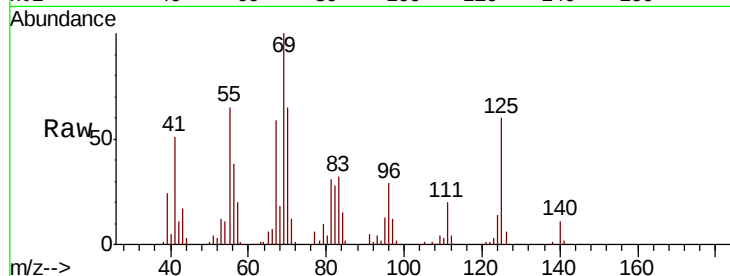
Tot Ion: 83 Resp: 7568

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

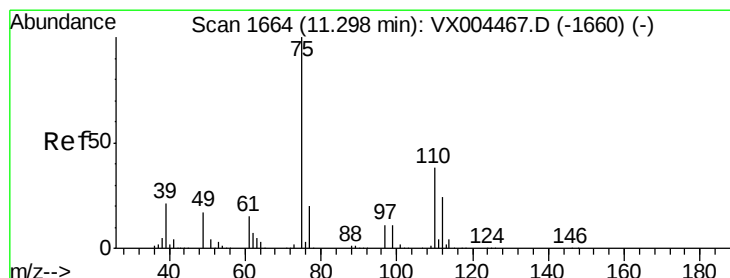
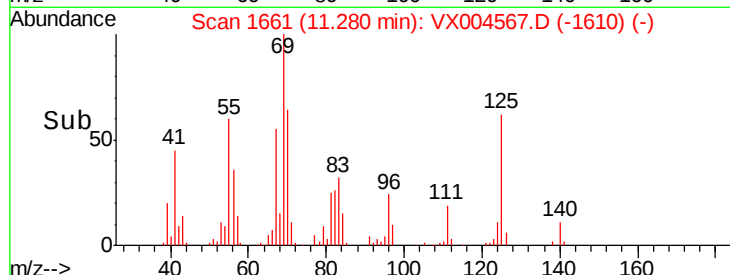
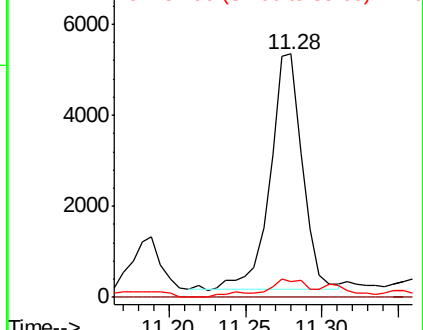
85 8.5 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.44 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004567.D

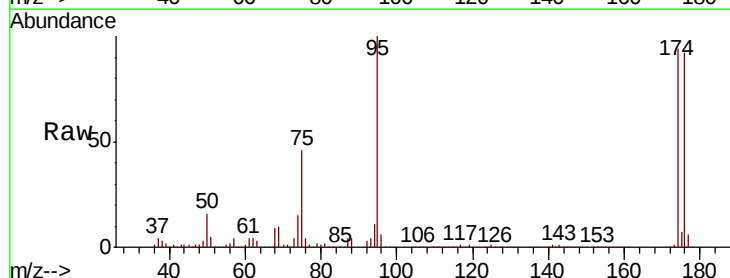
Acq: 15 Sep 2018 06:42

Tgt Ion: 75 Resp: 95553

Ion Ratio Lower Upper

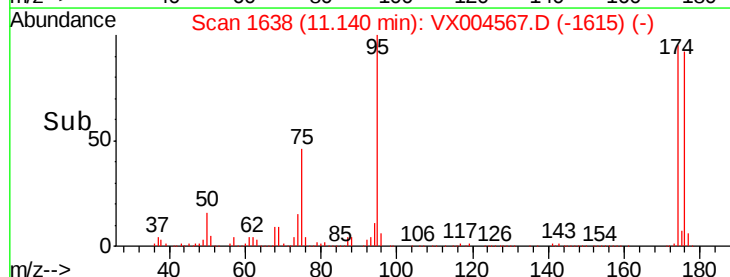
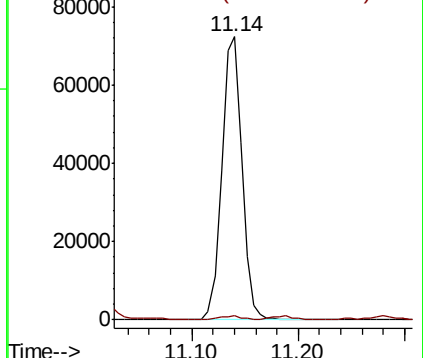
75 100

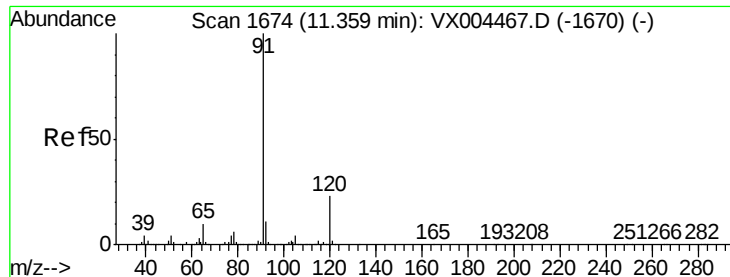
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 3.94 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

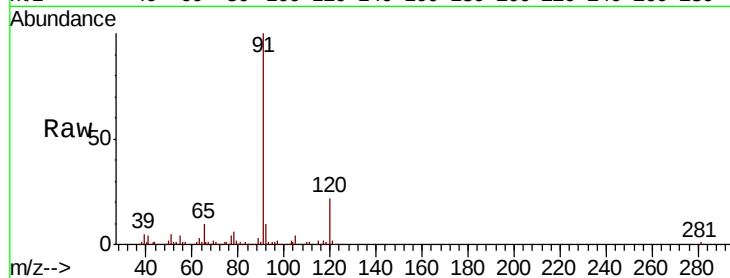
S13-0259

Tot Ion: 91 Resp: 63103

Ion Ratio Lower Upper

91 100

120 22.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

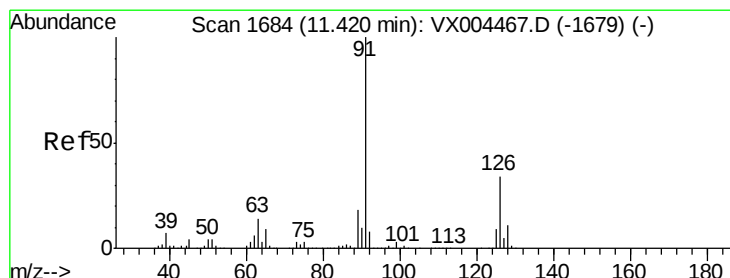
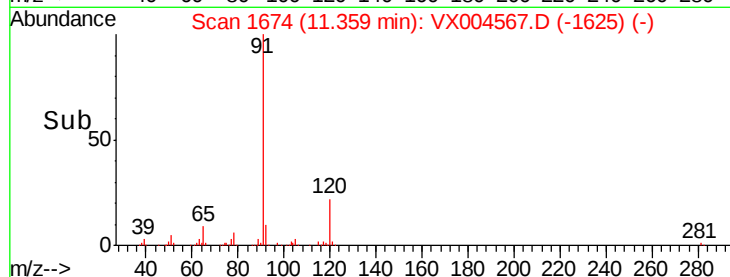
20000

10000

0

11.30 11.35 11.40 11.45

Time-->



#79

2-Chlorotoluene

Concen: 0.21 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.03 min

Lab File: VX004567.D

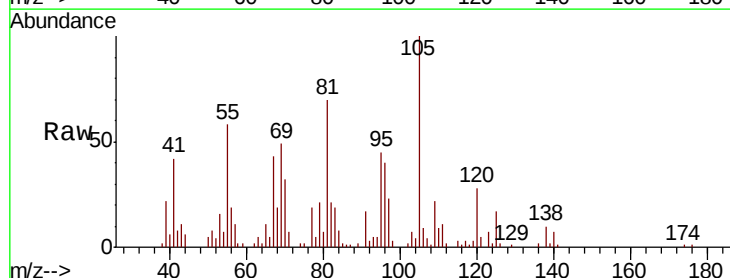
Acq: 15 Sep 2018 06:42

Tgt Ion: 91 Resp: 2044

Ion Ratio Lower Upper

91 100

126 10.6 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

4000

3000

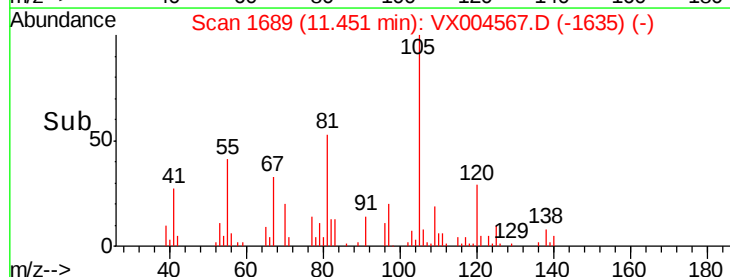
2000

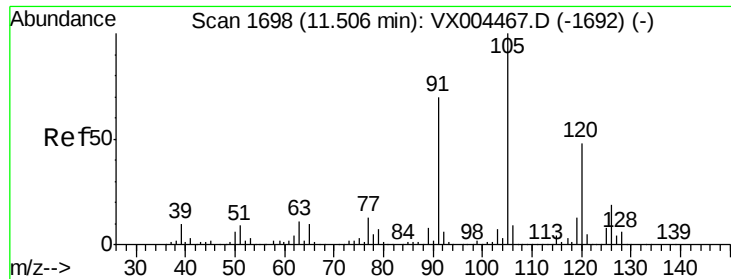
1000

0

11.40 11.45 11.50

Time-->

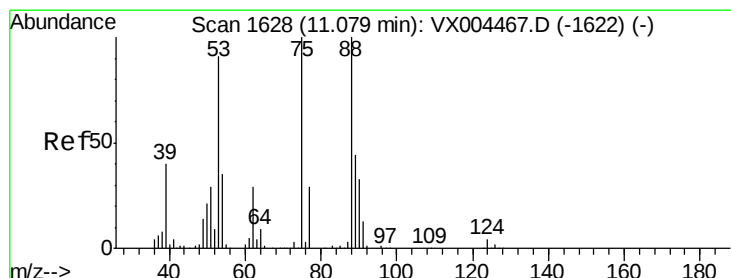
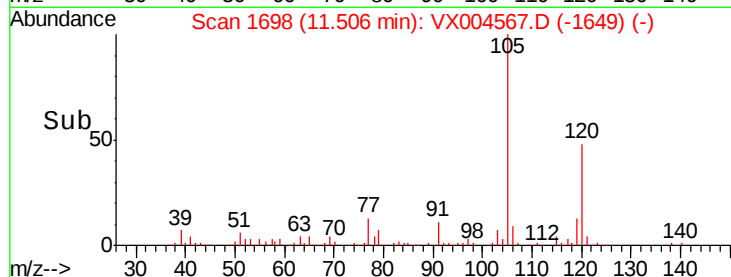
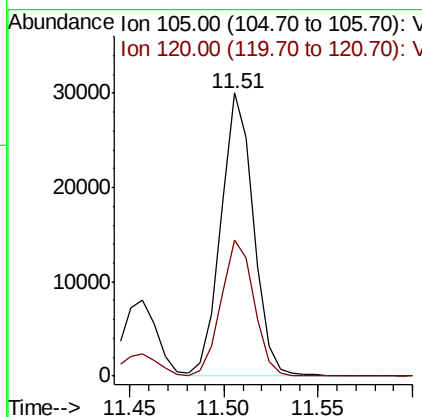
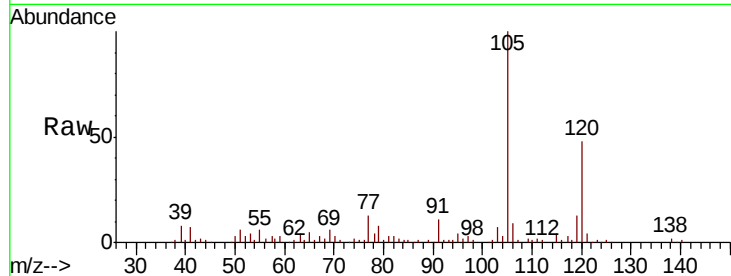




#80
 1,3,5-Trimethylbenzene
 Concen: 3.05 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004567.D
 Acq: 15 Sep 2018 06:42

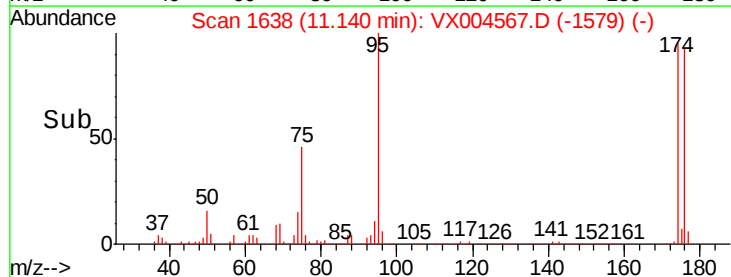
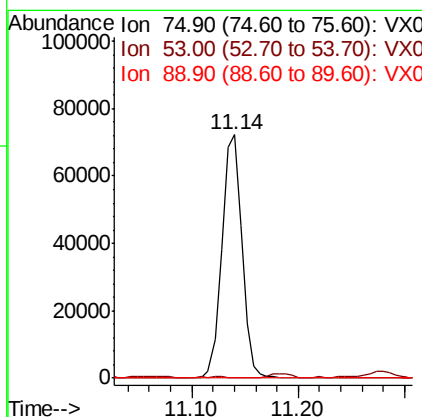
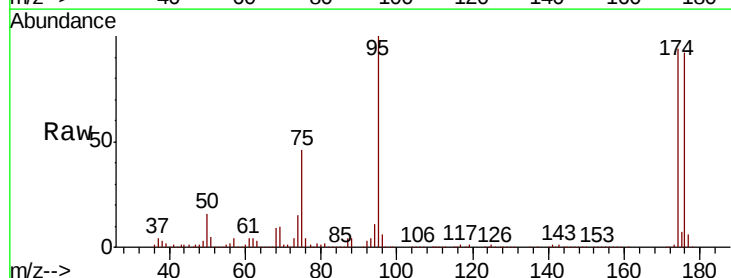
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0259

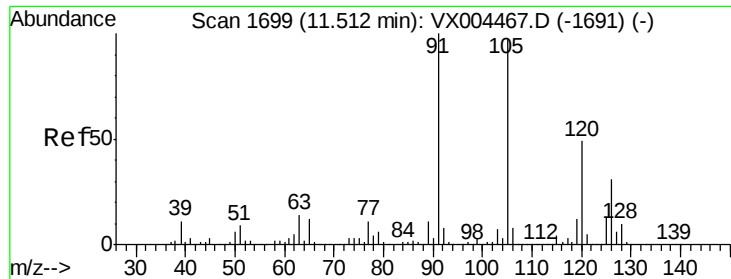
Tot Ion:105 Resp: 35769
 Ion Ratio Lower Upper
 105 100
 120 49.0 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.51 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004567.D
 Acq: 15 Sep 2018 06:42

Tgt Ion: 75 Resp: 95553
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#





#82

4-Chlorotoluene

Concen: 0.35 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

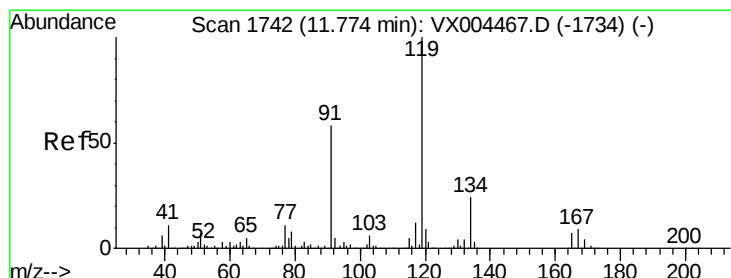
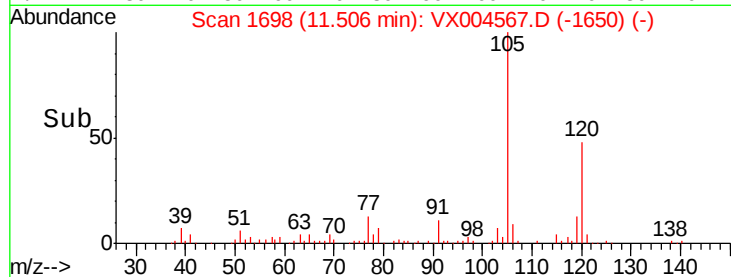
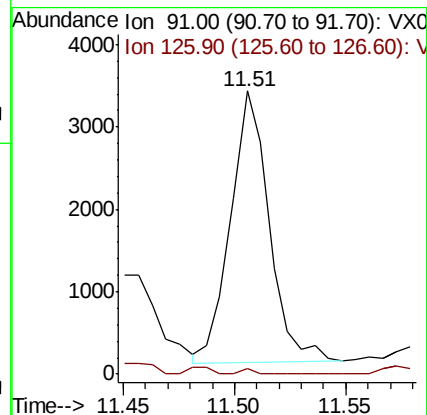
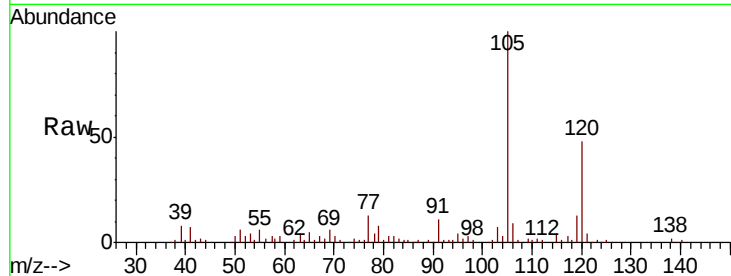
S13-0259

Tot Ion: 91 Resp: 3957

Ion Ratio Lower Upper

91 100

126 1.5 15.5 46.5#



#83

tert-Butylbenzene

Concen: 0.39 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

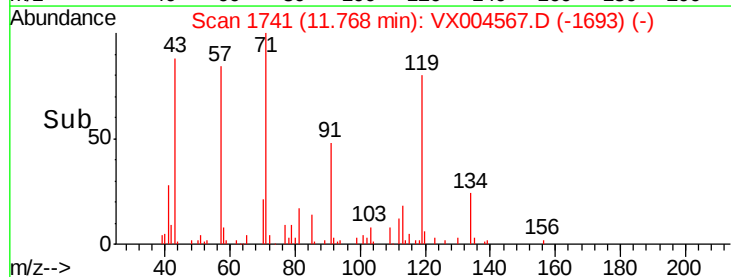
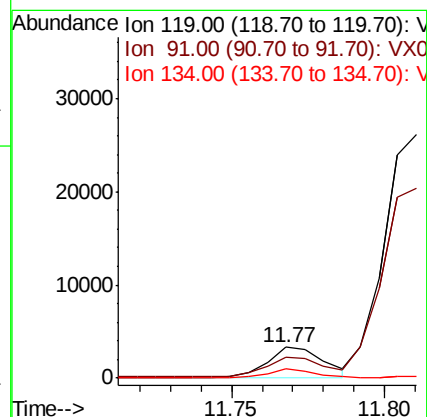
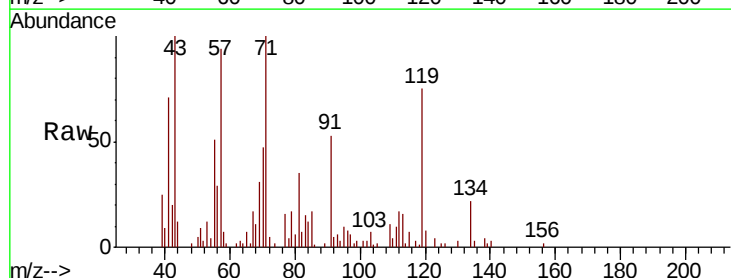
Tgt Ion: 119 Resp: 4313

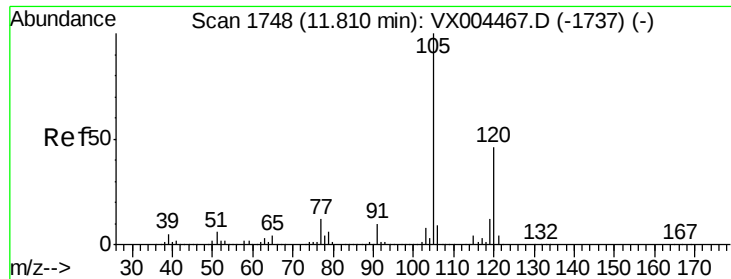
Ion Ratio Lower Upper

119 100

91 64.5 27.0 81.0

134 25.7 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 20.62 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

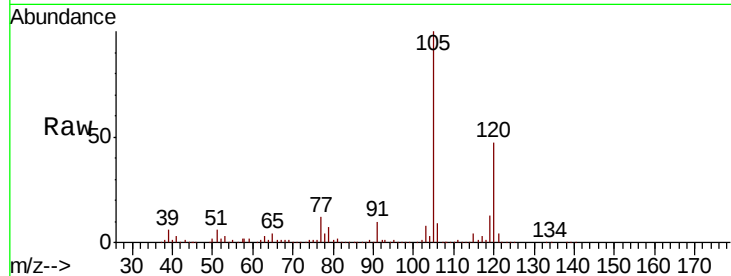
S13-0259

Tot Ion:105 Resp: 246687

Ion Ratio Lower Upper

105 100

120 46.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81

200000

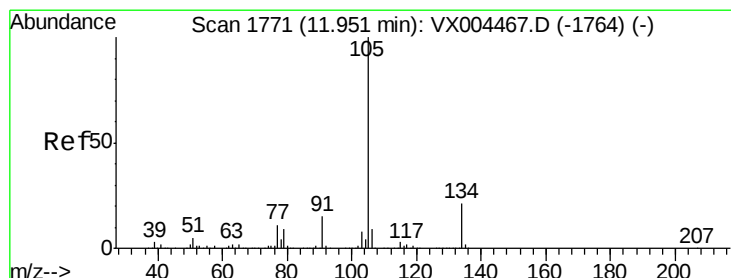
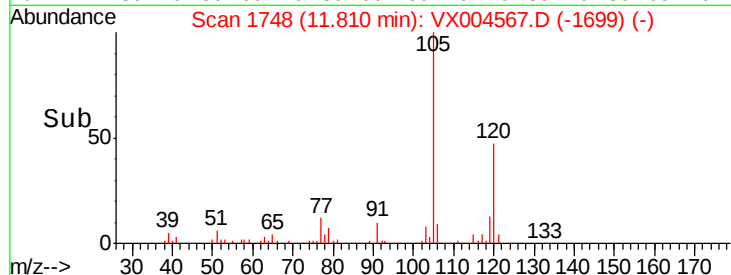
150000

100000

50000

0

Time--> 11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 4.16 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004567.D

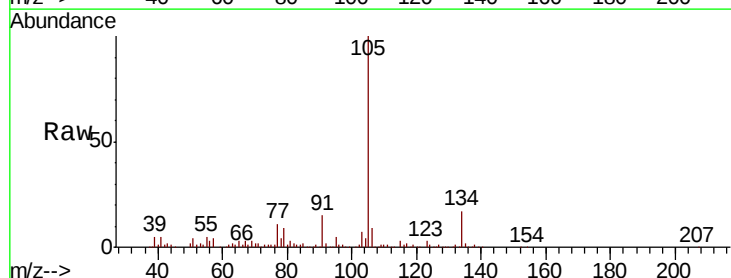
Acq: 15 Sep 2018 06:42

Tgt Ion:105 Resp: 59089

Ion Ratio Lower Upper

105 100

134 29.5 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

60000

50000

40000

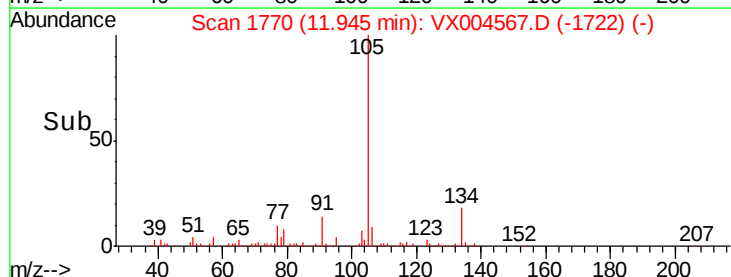
30000

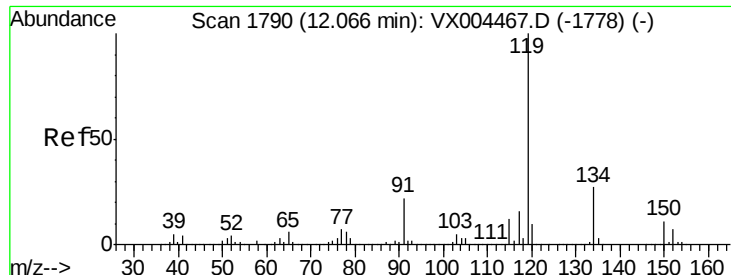
20000

10000

0

Time--> 11.85 11.90 11.95 12.00

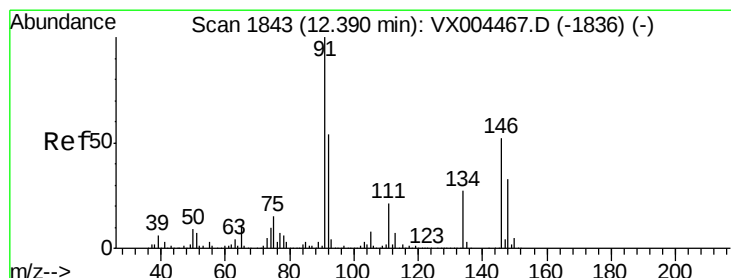
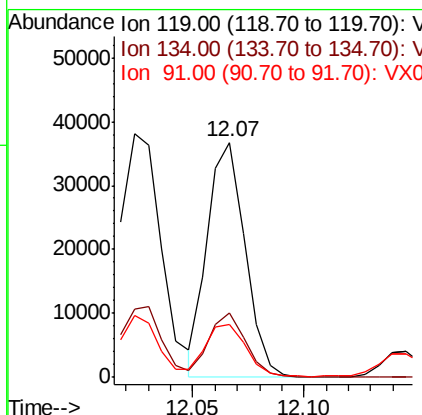
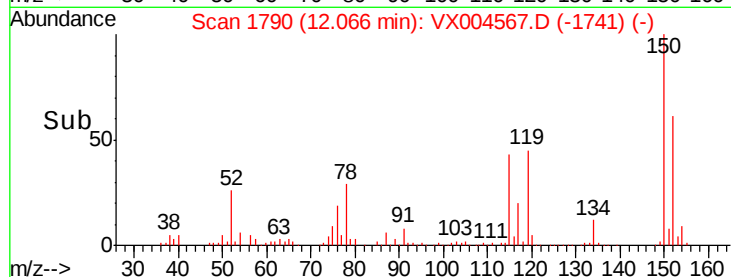
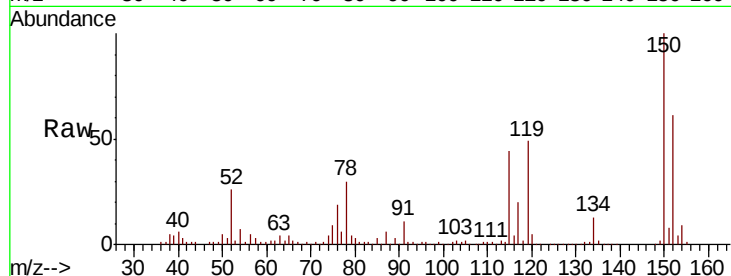




#86
p-Isopropyltoluene
Concen: 3.43 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

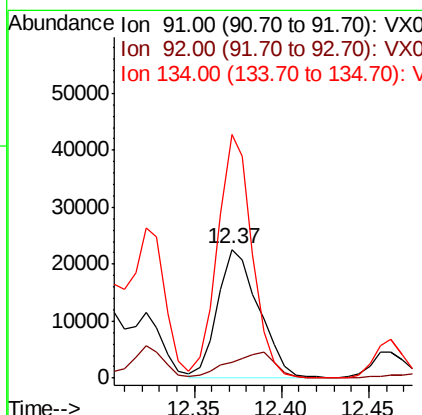
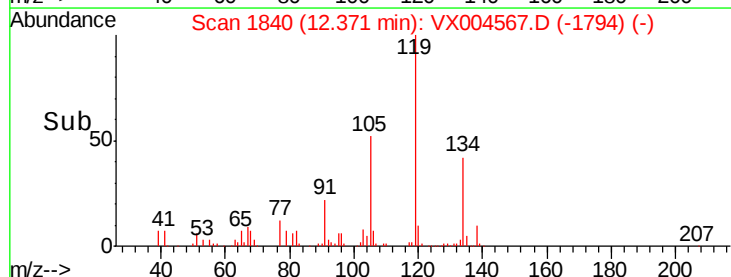
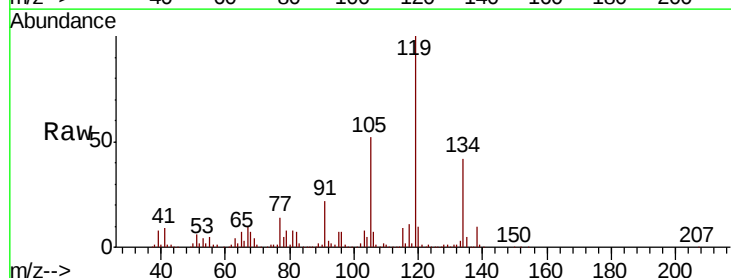
Instrument :
MSVOA_X
ClientSampled :
S13-0259

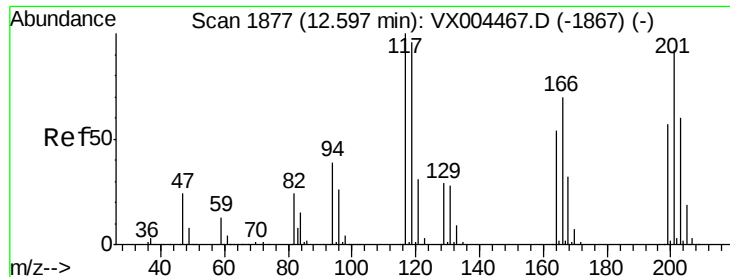
Tot Ion:119 Resp: 43080
Ion Ratio Lower Upper
119 100
134 27.1 13.4 40.2
91 24.7 10.9 32.7



#89
n-Butylbenzene
Concen: 3.18 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.02 min
Lab File: VX004567.D
Acq: 15 Sep 2018 06:42

Tgt Ion: 91 Resp: 36383
Ion Ratio Lower Upper
91 100
92 23.2 27.3 81.9#
134 161.4 13.6 40.7#





#90

Hexachloroethane

Concen: 4.08 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

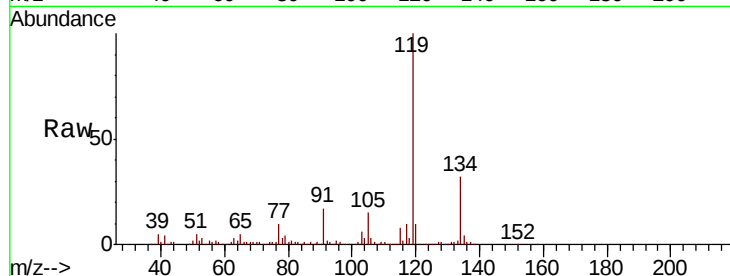
S13-0259

Tot Ion:117 Resp: 8201

Ion Ratio Lower Upper

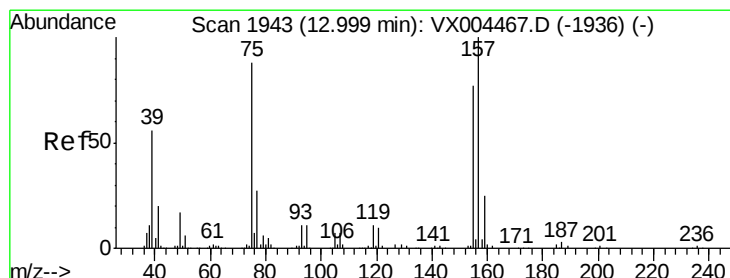
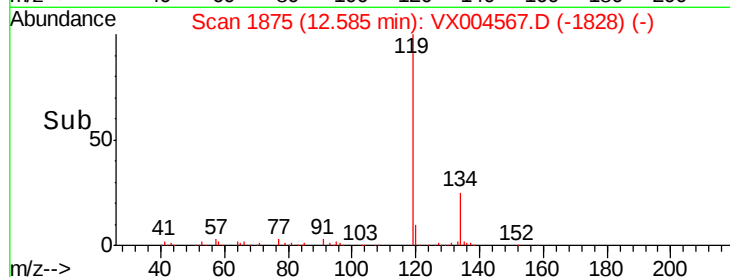
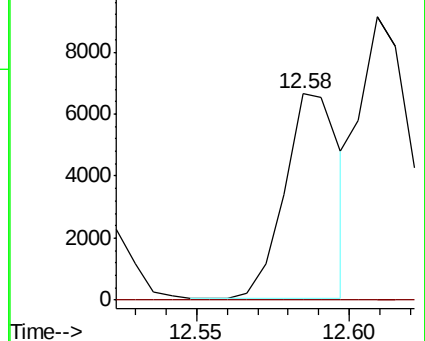
117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.89 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

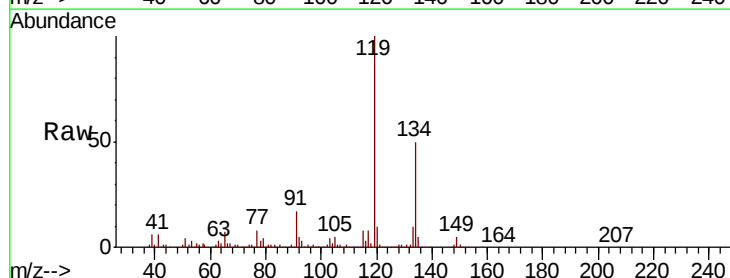
Tgt Ion: 75 Resp: 855

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

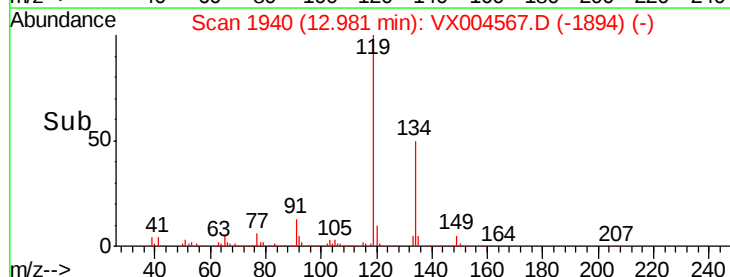
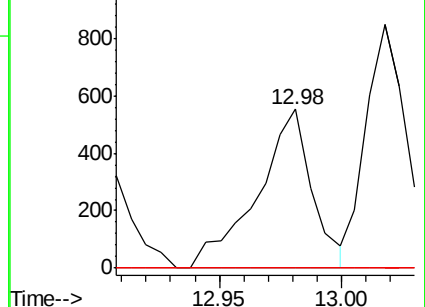
157 0.0 61.4 184.1#

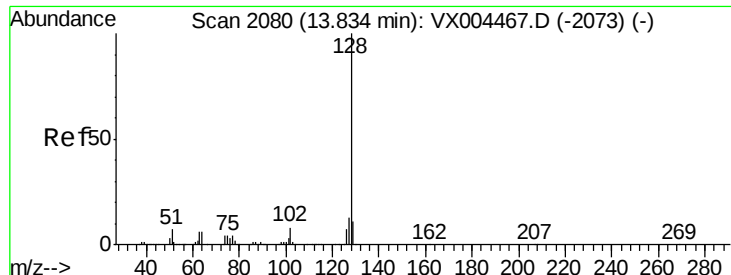


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 6.39 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004567.D

Acq: 15 Sep 2018 06:42

Instrument :

MSVOA_X

ClientSampleId :

S13-0259

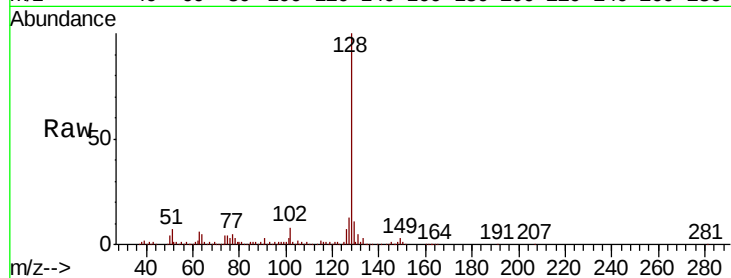
Tot Ion:128 Resp: 92359

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.2

129 15.5 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

