

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004568.D
 Acq On : 15 Sep 2018 07:09
 Operator : JC/MD
 Sample : J4925-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0262

Quant Time: Sep 17 00:55:20 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	287175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208821	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	188821	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	5.51	113	164318	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	
50) Toluene-d8	8.72	98	582582	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
62) 4-Bromofluorobenzene	11.14	95	201245	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1683	0.45	ug/l	# 77
5) Bromomethane	1.65	94	605	Below	Cal	93
10) Methyl Iodide	2.52	142	395	4.35	ug/l	# 77
11) Tert butyl alcohol	3.06	59	1710	1.94	ug/l	# 72
13) Acrolein	2.39	56	4556	13.06	ug/l	# 79
14) Allyl chloride	2.84	41	12895	2.09	ug/l	# 65
15) Acrylonitrile	3.17	53	3828	1.80	ug/l	# 42
16) Acetone	2.44	43	11706	6.48	ug/l	98
18) Methyl Acetate	2.84	43	37957	7.49	ug/l	# 51
20) Methylene Chloride	2.87	84	812	0.22	ug/l	# 42
25) 2-Butanone	4.71	43	2383	0.83	ug/l	97
31) Cyclohexane	5.58	56	125608	23.45	ug/l	95
36) 1,1-Dichloropropene	5.66	75	18146	3.73	ug/l	# 50
38) Carbon Tetrachloride	5.66	117	24975	5.25	ug/l	# 15
39) Methylcyclohexane	7.46	83	130529	25.70	ug/l	96
40) Benzene	6.15	78	483353	33.47	ug/l	95
41) Methacrylonitrile	5.23	41	4845	1.59	ug/l	# 47
42) 1,2-Dichloroethane	6.14	62	3641	0.76	ug/l	# 72
43) Isopropyl Acetate	6.45	43	2932	0.40	ug/l	# 59
45) 1,2-Dichloropropane	7.47	63	1472	0.42	ug/l	# 1
48) Methyl methacrylate	7.73	41	7873	2.16	ug/l	# 53
51) 4-Methyl-2-Pentanone	8.66	43	4053	0.78	ug/l	# 52
55) 1,1,2-Trichloroethane	9.16	97	27165	7.42	ug/l	# 20
56) Ethyl methacrylate	9.16	69	6523	1.26	ug/l	# 11
58) 2-Chloroethyl Vinyl ether	8.40	63	136	7.32	ug/l	# 45
67) Ethyl Benzene	10.26	91	12635	0.87	ug/l	97
68) m/p-Xylenes	10.37	106	7514	1.34	ug/l	94
73) Isopropylbenzene	11.02	105	142919	10.39	ug/l	99
74) N-amyl acetate	10.94	43	10443	1.80	ug/l	# 40
75) 1,1,2,2-Tetrachloroethane	11.27	83	2645	0.60	ug/l	# 79
76) 1,2,3-Trichloropropane	11.14	75	95384	22.70	ug/l	# 37
78) n-propylbenzene	11.36	91	183086	11.58	ug/l	98
79) 2-Chlorotoluene	11.36	91	183086	19.09	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.67	105	52404	4.53	ug/l	71

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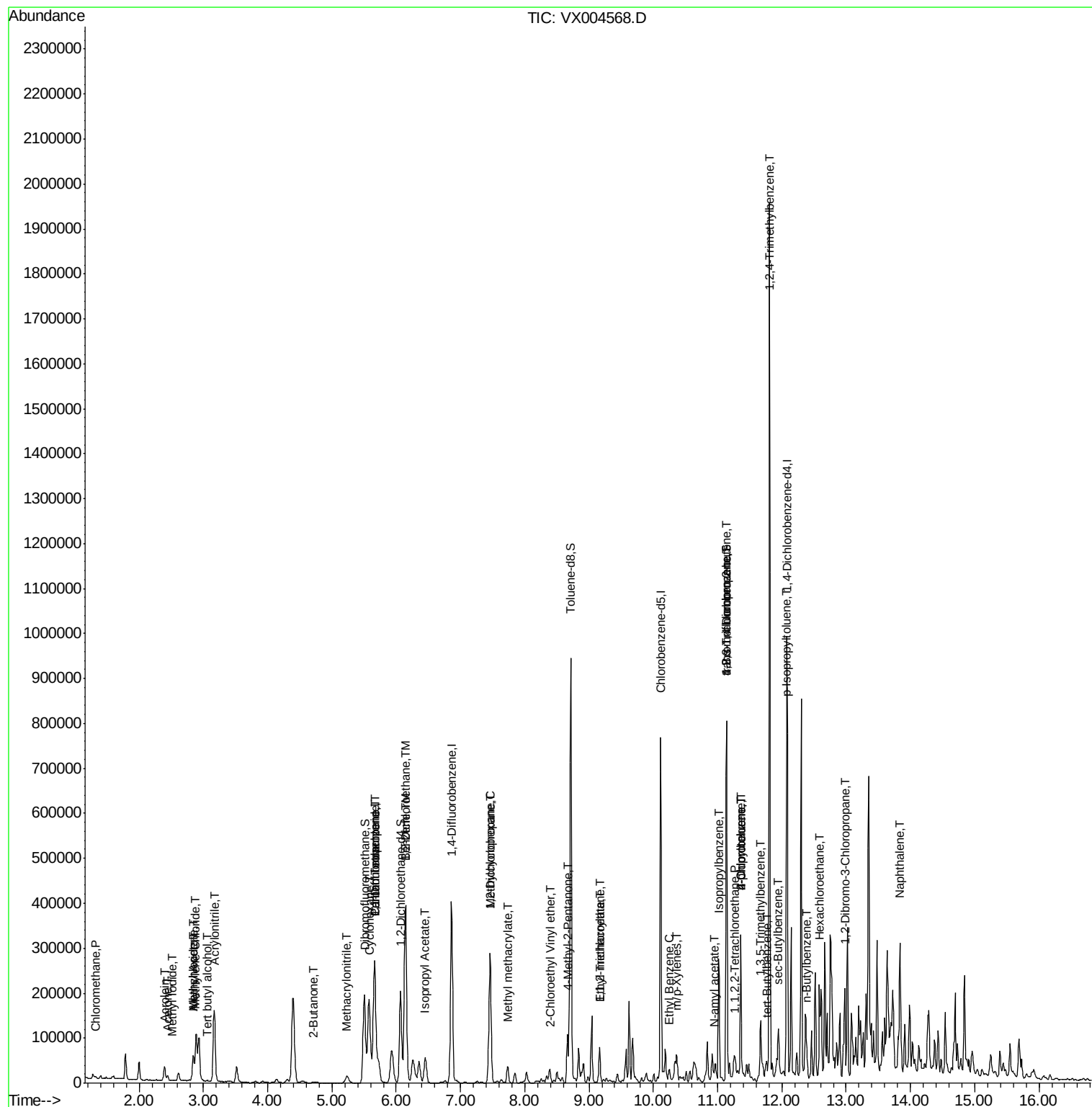
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.14	75	95384	72.37	ug/l #	10
82) 4-Chlorotoluene	11.36	91	183086	16.36	ug/l #	44
83) tert-Butylbenzene	11.77	119	8479	0.77	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	863181	73.13	ug/l	100
85) sec-Butylbenzene	11.94	105	52485	3.74	ug/l	81
86) p-Isopropyltoluene	12.07	119	10318	0.83	ug/l	96
89) n-Butylbenzene	12.39	91	30272	2.68	ug/l #	72
90) Hexachloroethane	12.59	117	9951	5.02	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.98	75	929	0.98	ug/l #	1
95) Naphthalene	13.83	128	170611	11.97	ug/l #	95

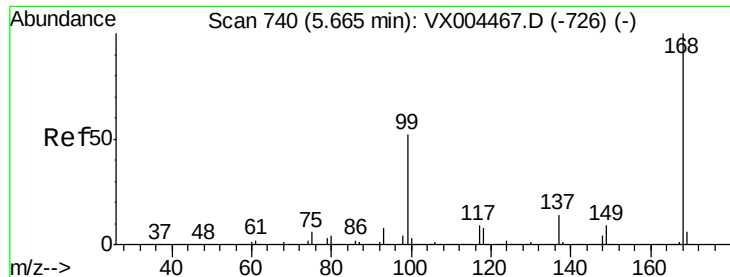
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampled :

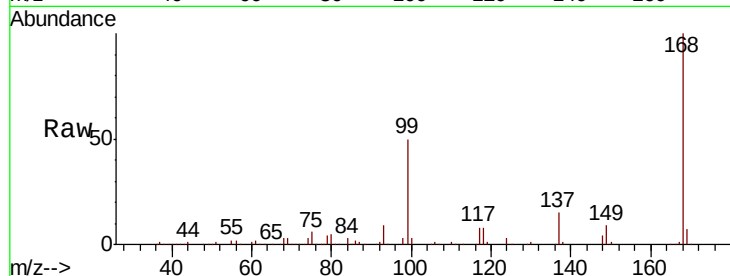
S13-0262

Tot Ion:168 Resp: 287175

Ion Ratio Lower Upper

168 100

99 50.5 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

120000

100000

80000

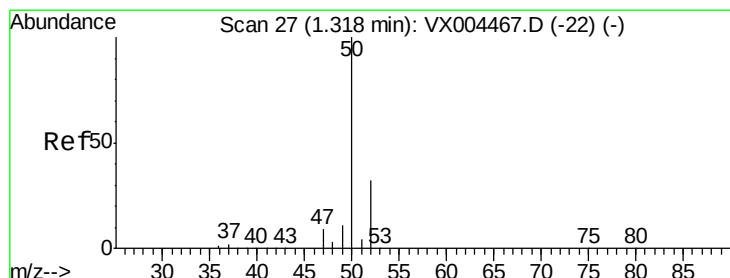
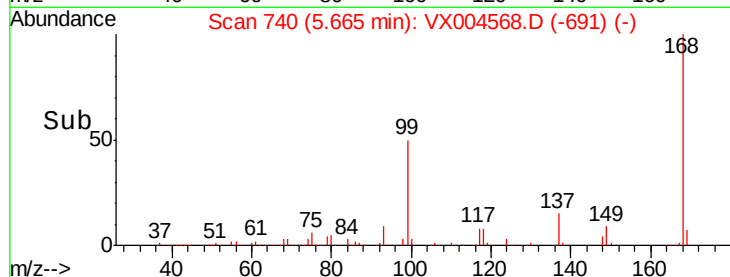
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.45 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004568.D

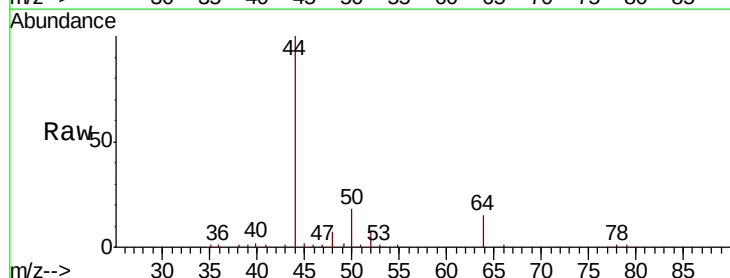
Acq: 15 Sep 2018 07:09

Tgt Ion: 50 Resp: 1683

Ion Ratio Lower Upper

50 100

52 45.9 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

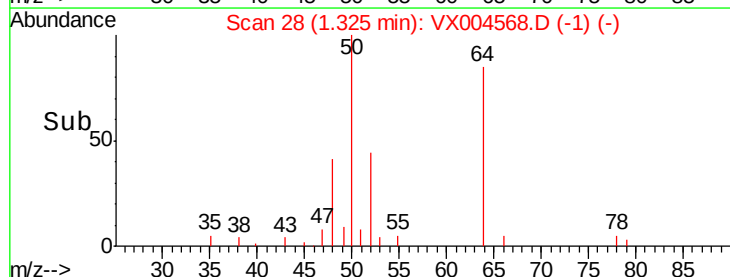
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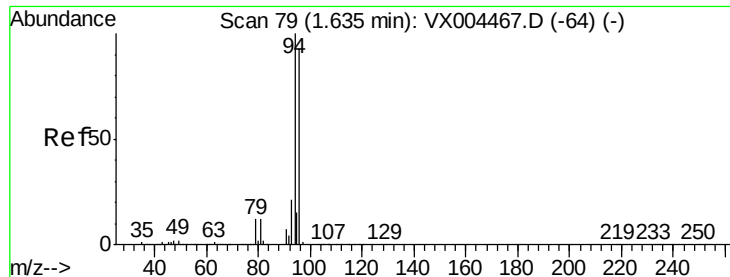
1000

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: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampled :

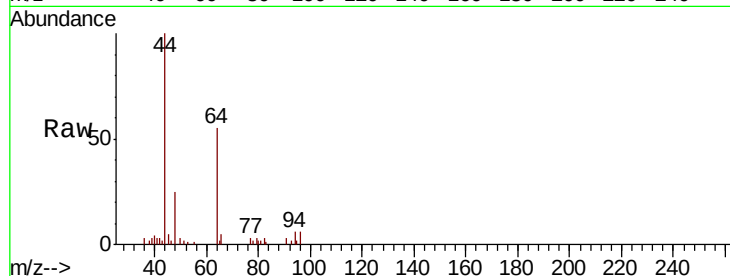
S13-0262

Tot Ion: 94 Resp: 605

Ion Ratio Lower Upper

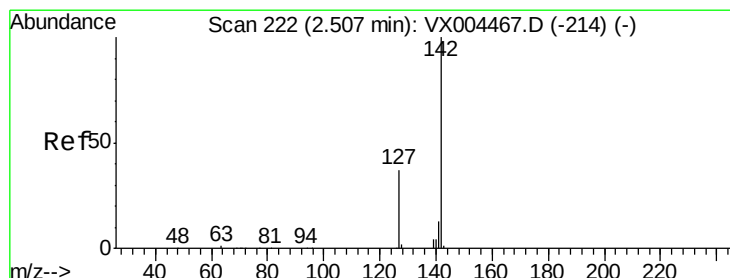
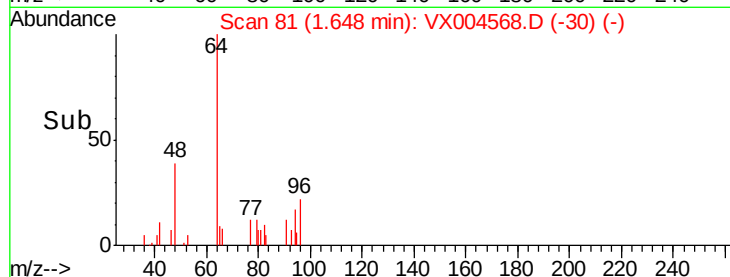
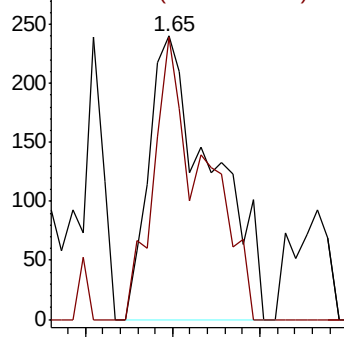
94 100

96 99.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.35 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

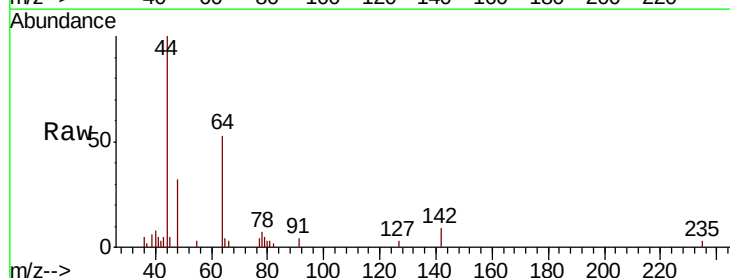
Tgt Ion: 142 Resp: 395

Ion Ratio Lower Upper

142 100

127 30.4 33.8 50.6#

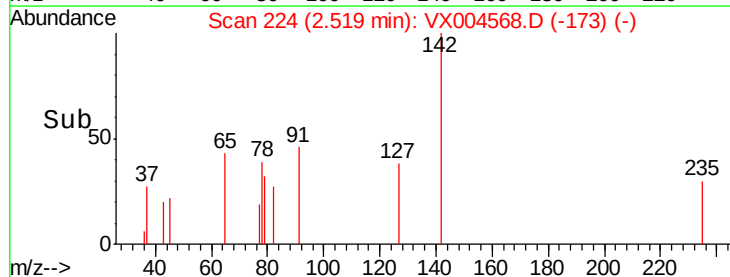
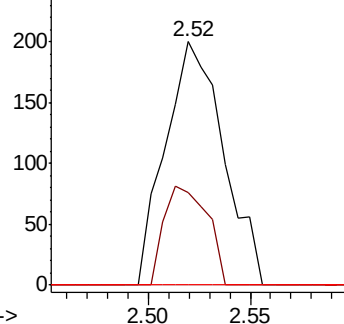
141 0.0 11.4 17.0#

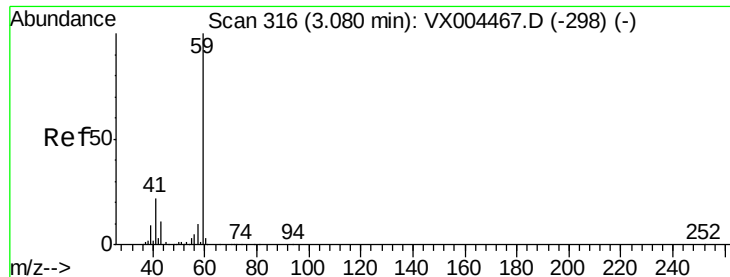


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

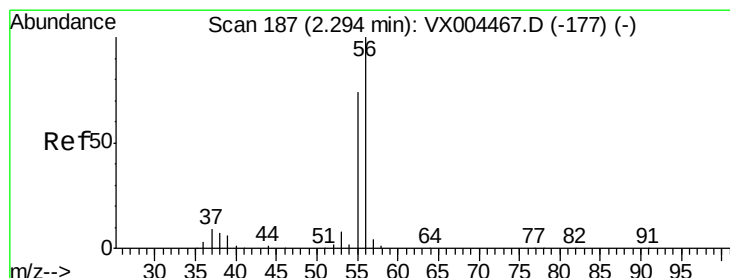
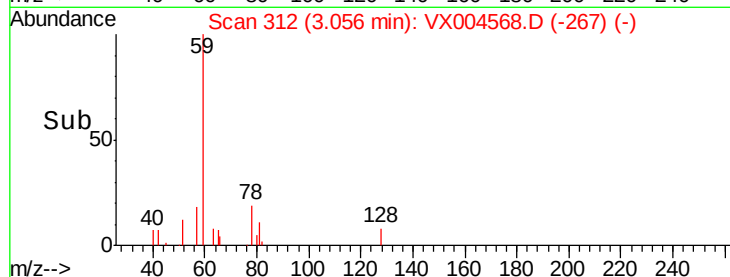
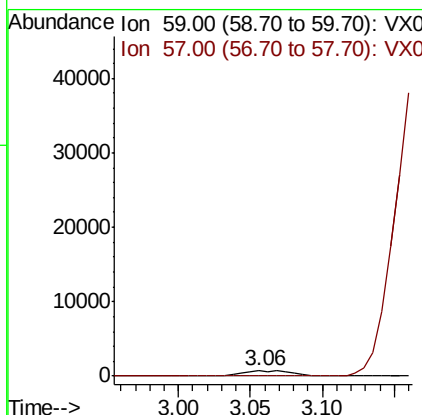
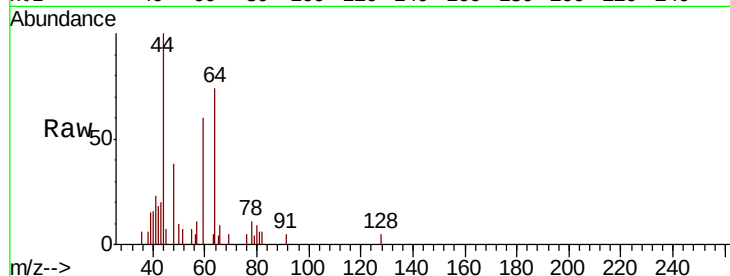




#11
Tert butyl alcohol
Concen: 1.94 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

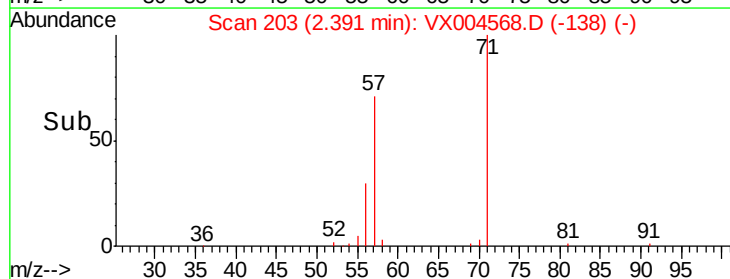
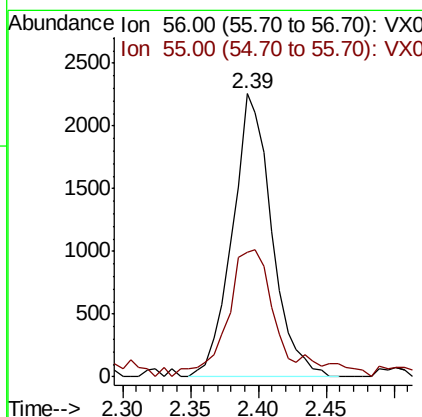
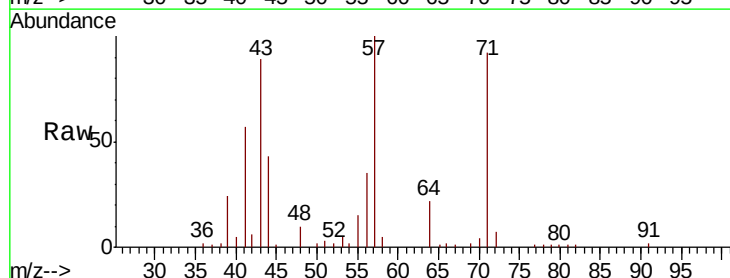
Instrument :
MSVOA_X
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S13-0262

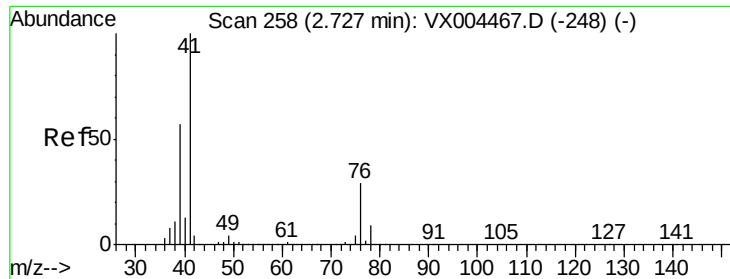
Tot Ion: 59 Resp: 1710
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 13.06 ug/l
RT: 2.39 min Scan# 203
Delta R.T. 0.10 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 56 Resp: 4556
Ion Ratio Lower Upper
56 100
55 51.1 54.7 82.1#

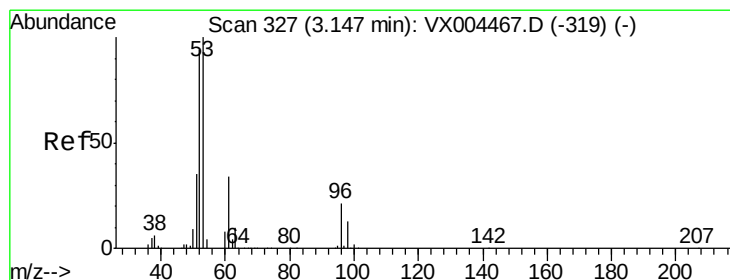
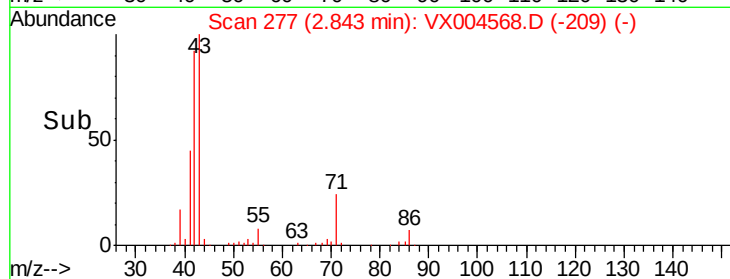
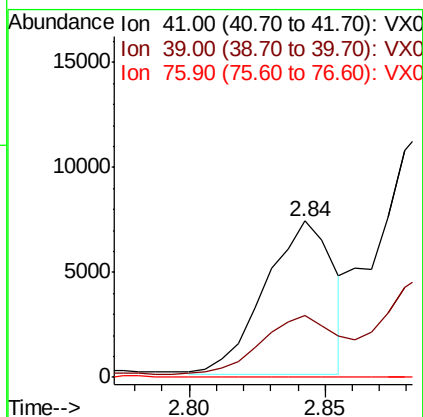
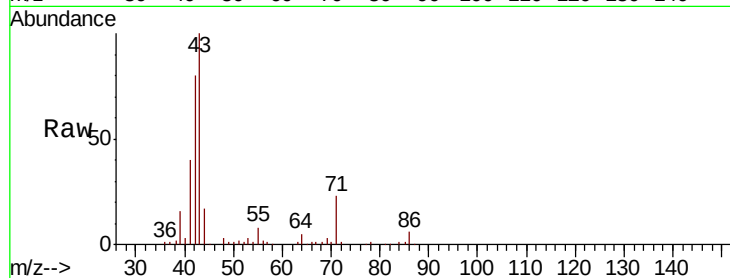




#14
Allvl chloride
Concen: 2.09 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.12 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

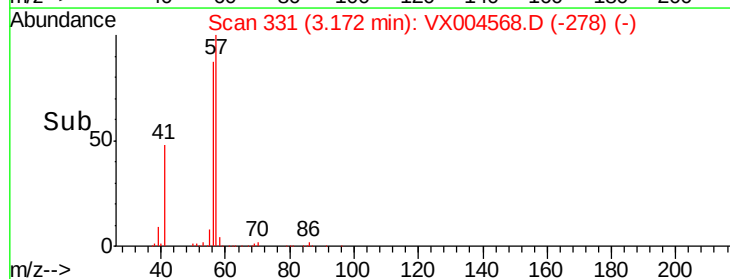
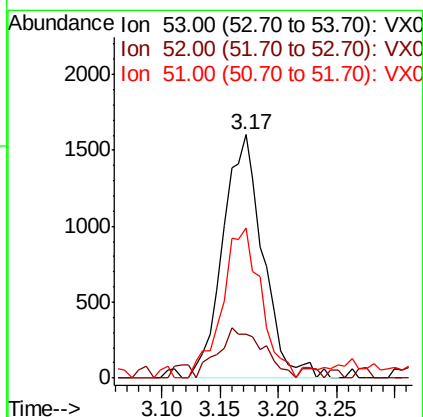
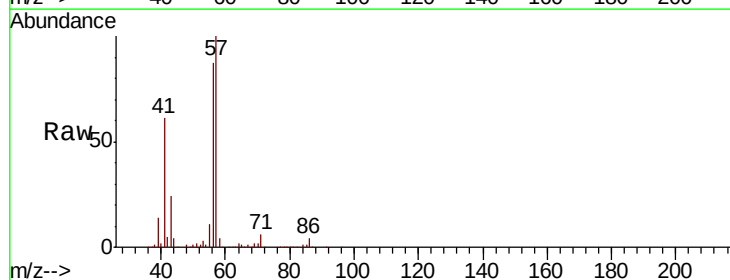
Instrument :
MSVOA_X
ClientSampled :
S13-0262

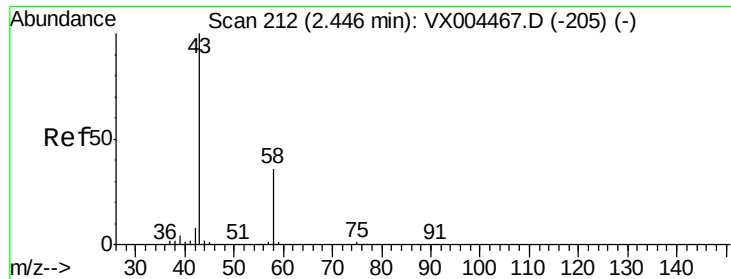
Tot Ion: 41 Resp: 12895
Ion Ratio Lower Upper
41 100
39 44.3 48.9 73.3#
76 0.0 26.7 40.1#



#15
Acrylonitrile
Concen: 1.80 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.02 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 53 Resp: 3828
Ion Ratio Lower Upper
53 100
52 23.1 65.2 97.8#
51 59.8 28.2 42.2#





#16

Acetone

Concen: 6.48 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

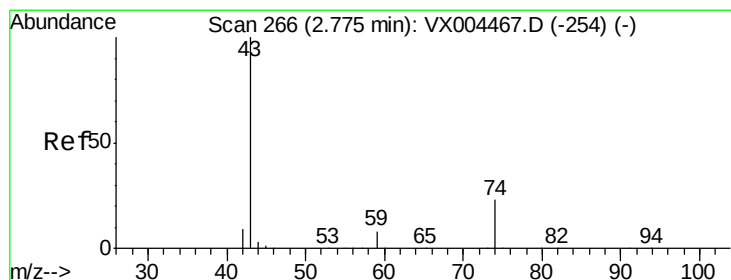
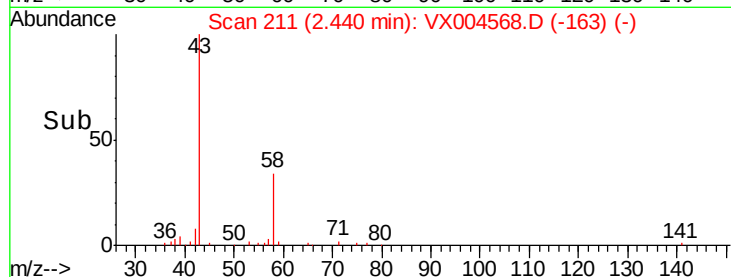
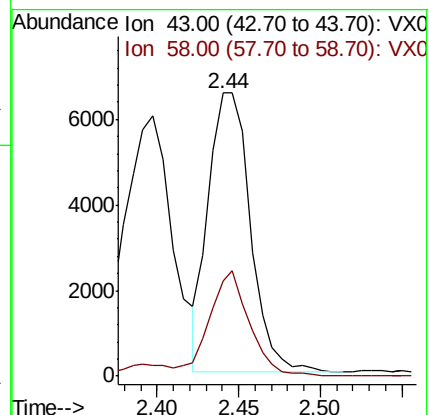
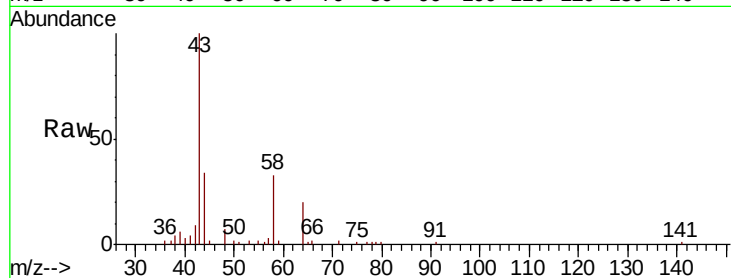
S13-0262

Tot Ion: 43 Resp: 11706

Ion Ratio Lower Upper

43 100

58 33.9 26.2 39.4



#18

Methyl Acetate

Concen: 7.49 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX004568.D

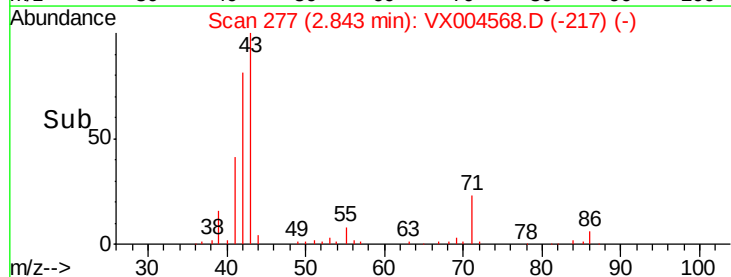
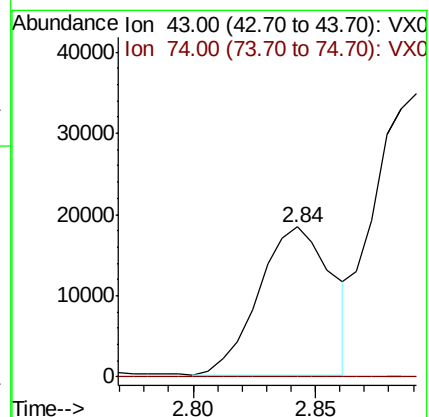
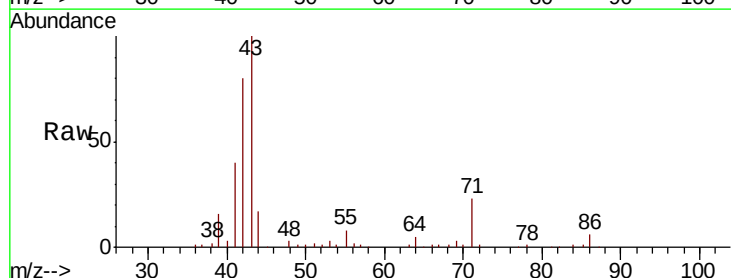
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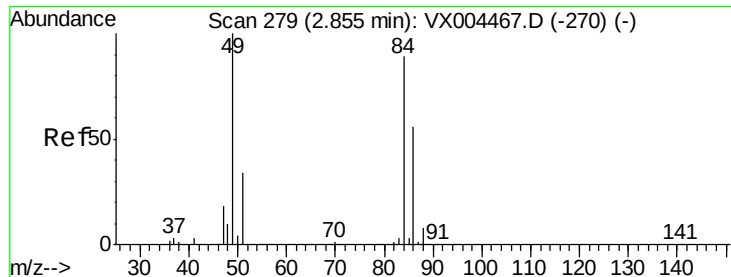
Tgt Ion: 43 Resp: 37957

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#

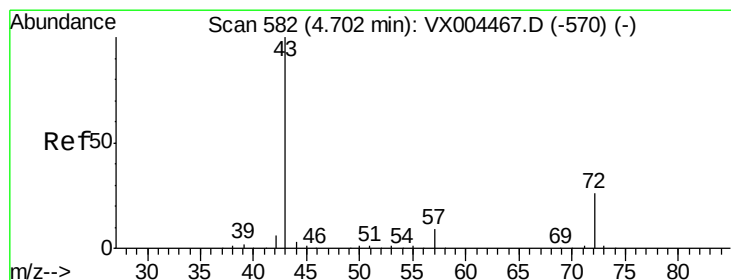
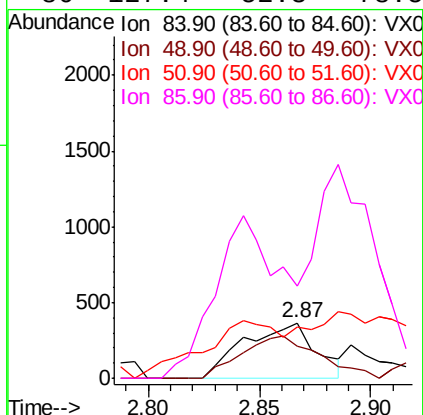
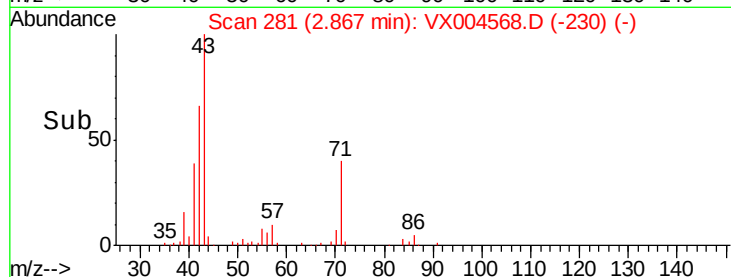
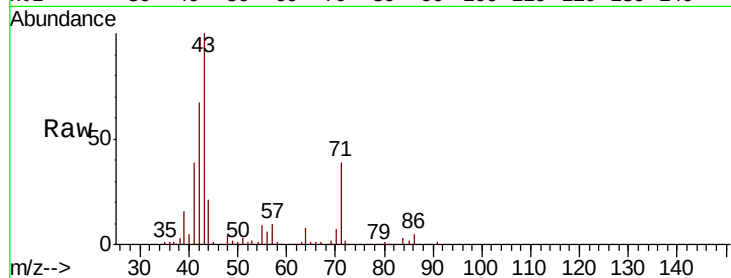




#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

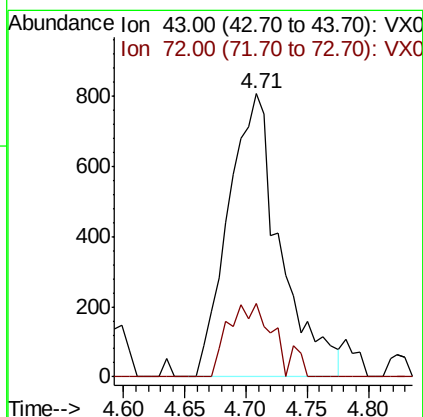
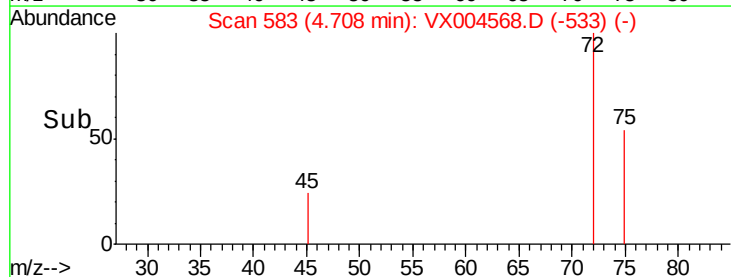
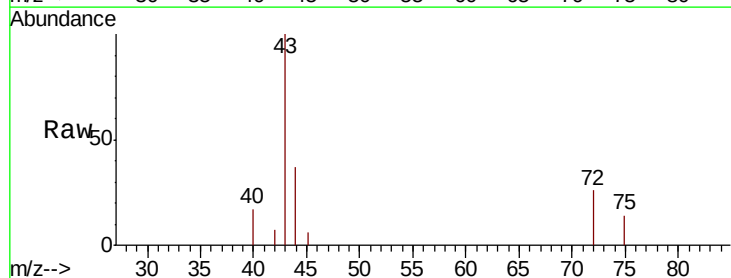
Instrument :
MSVOA_X
ClientSampled :
S13-0262

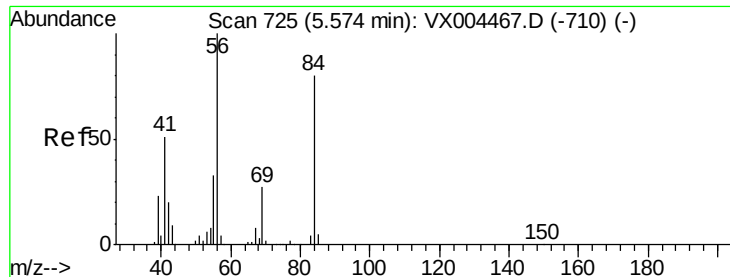
Tot Ion: 84 Resp: 812
Ion Ratio Lower Upper
84 100
49 58.1 101.2 151.8#
51 45.8 29.5 44.3#
86 127.4 52.3 78.5#



#25
2-Butanone
Concen: 0.83 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 43 Resp: 2383
Ion Ratio Lower Upper
43 100
72 26.2 22.0 33.0

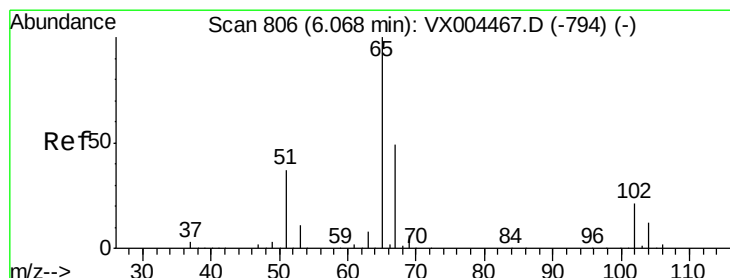
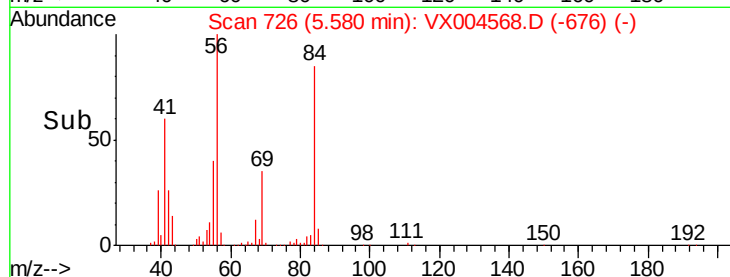
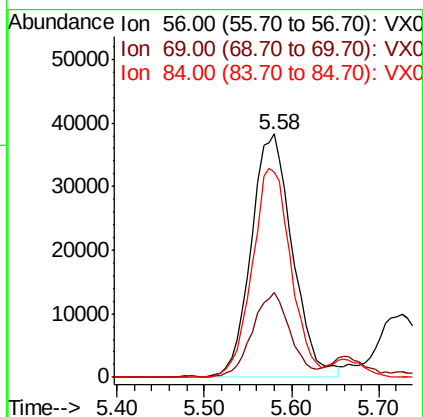
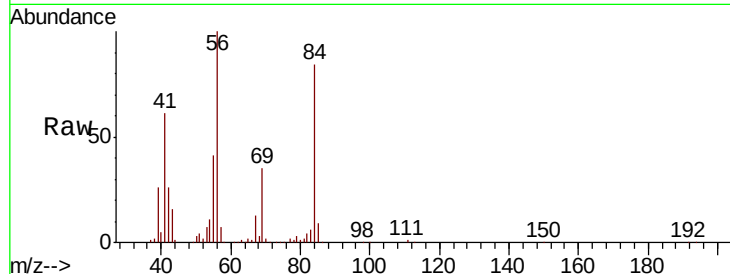




#31
Cyclohexane
Concen: 23.45 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

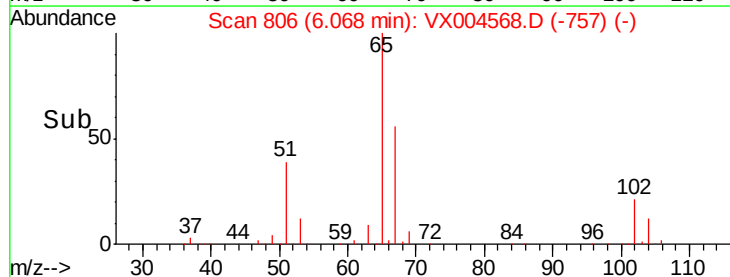
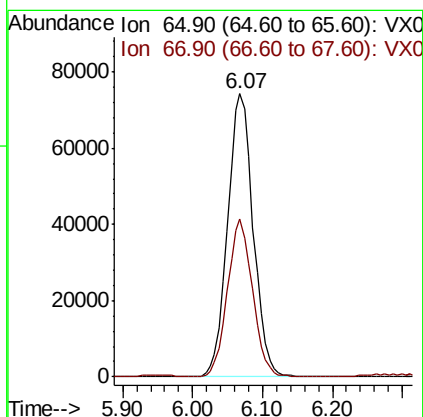
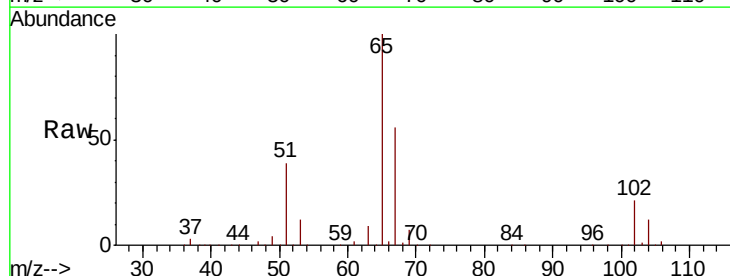
Instrument :
MSVOA_X
ClientSampleId :
S13-0262

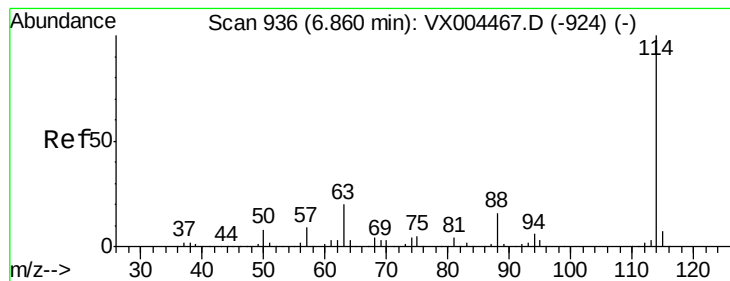
Tot Ion: 56 Resp: 125608
Ion Ratio Lower Upper
56 100
69 34.5 25.4 38.2
84 84.4 71.4 107.2



#33
1,2-Dichloroethane-d4
Concen: 50.99 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 65 Resp: 188821
Ion Ratio Lower Upper
65 100
67 54.5 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: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampled :

S13-0262

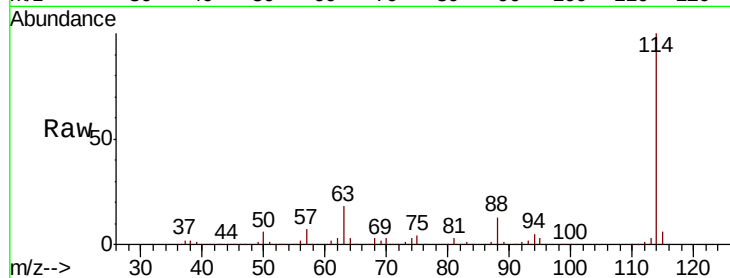
Tot Ion:114 Resp: 400892

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.0

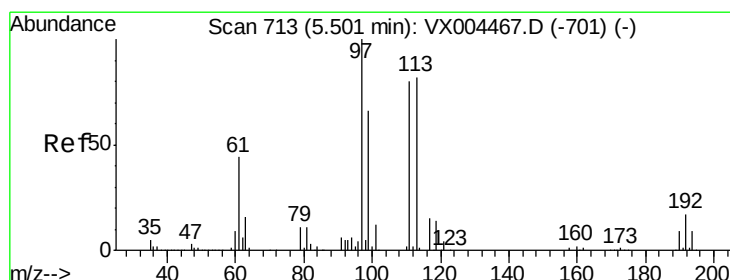
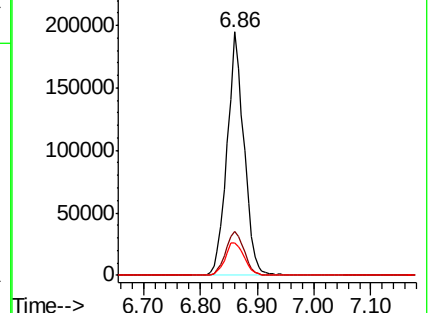
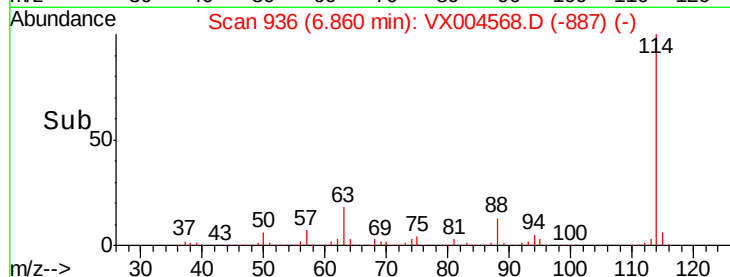
88 13.1 0.0 30.4



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: 44.79 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

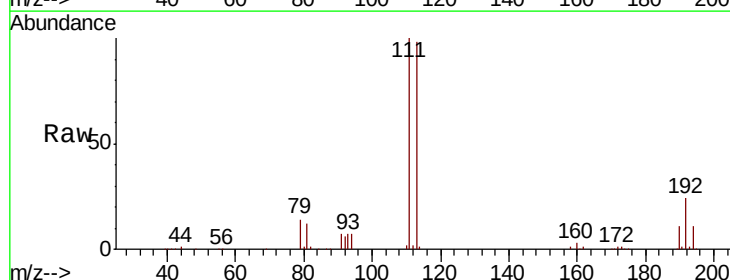
Tgt Ion:113 Resp: 164318

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

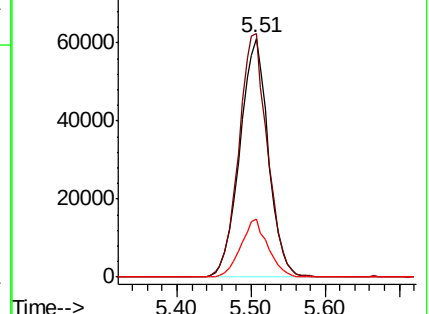
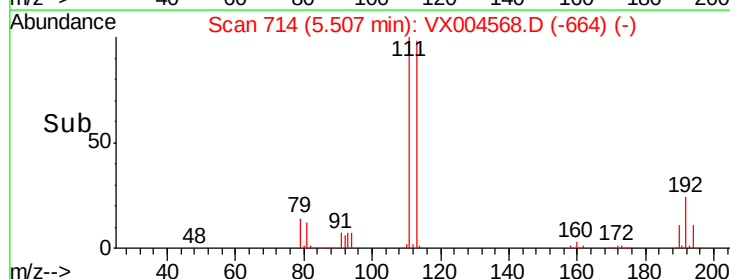
192 23.2 19.4 29.2

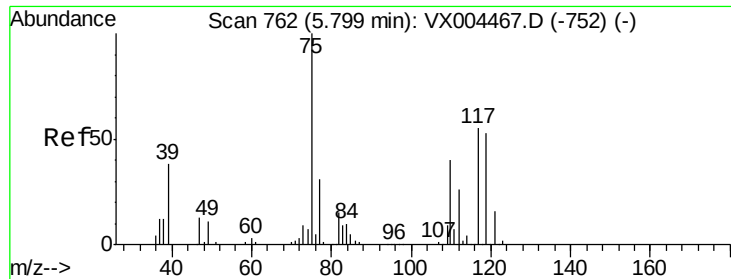


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

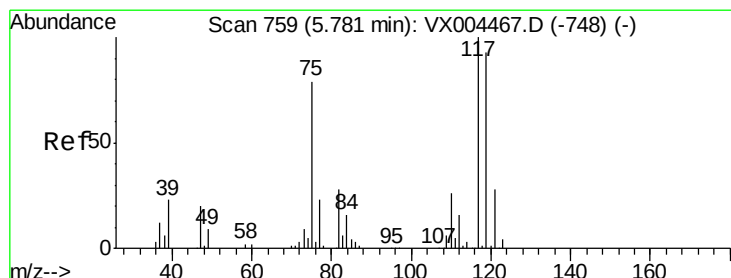
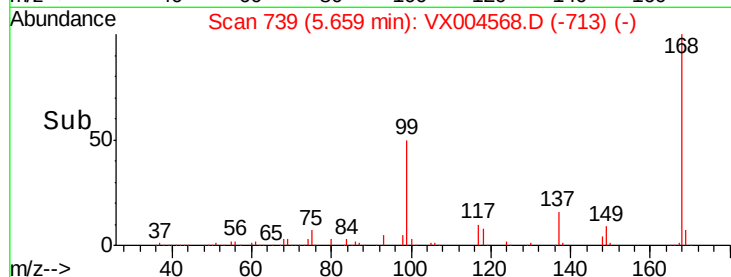
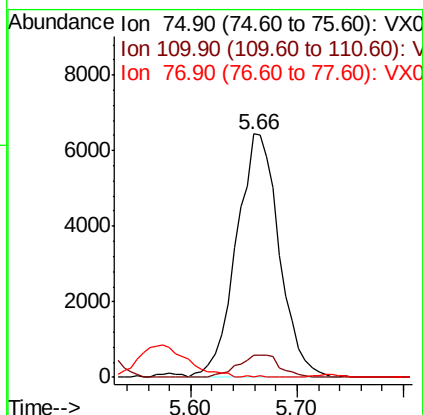
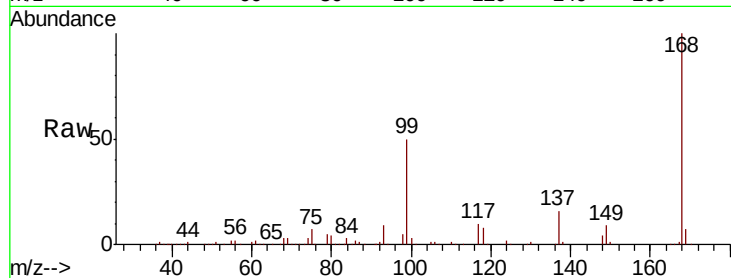




#36
 1,1-Dichloropropene
 Concen: 3.73 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004568.D
 Acq: 15 Sep 2018 07:09

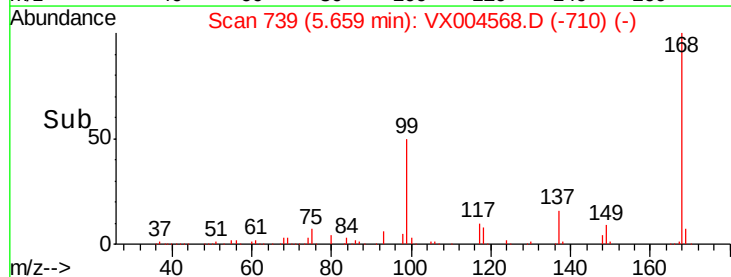
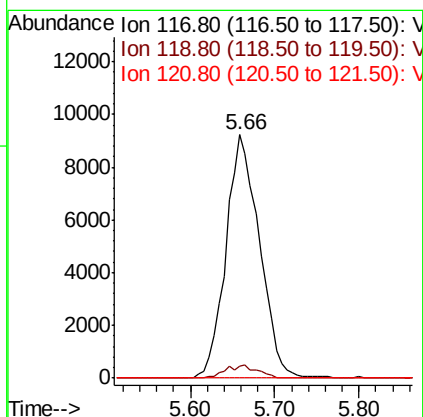
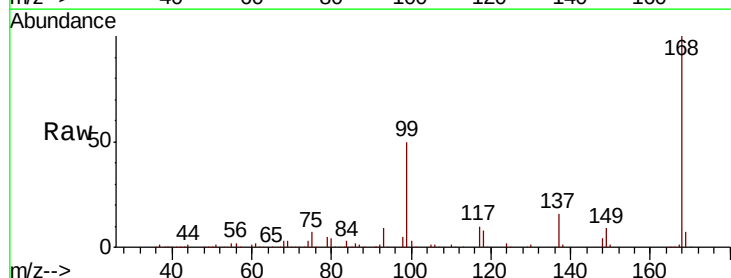
Instrument :
 MSVOA_X
 ClientSampled :
 S13-0262

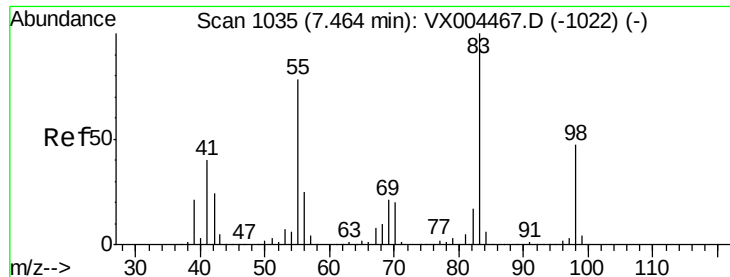
Tot Ion	75	Resp	18146
Ion Ratio	100	Lower	Upper
75	100		
110	9.1	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.25 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004568.D
 Acq: 15 Sep 2018 07:09

Tgt Ion	117	Resp	24975
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.9	78.8	118.2#
121	0.0	24.9	37.3#

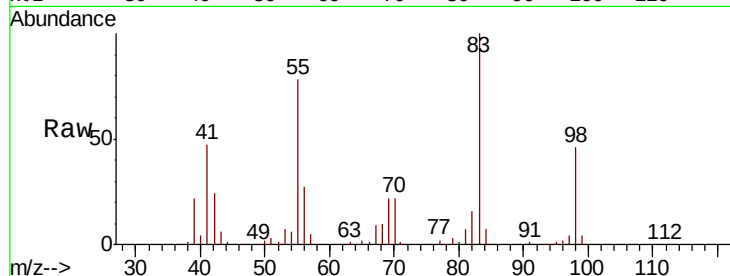




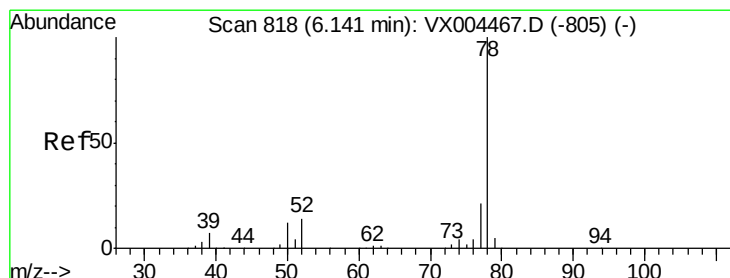
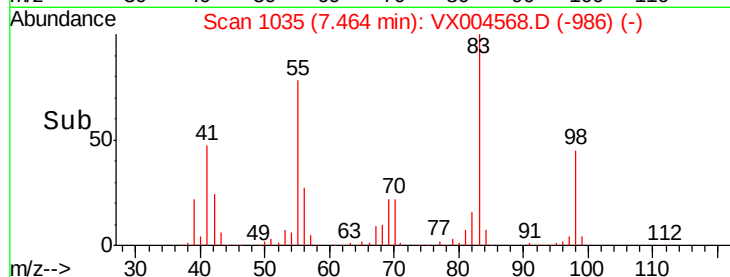
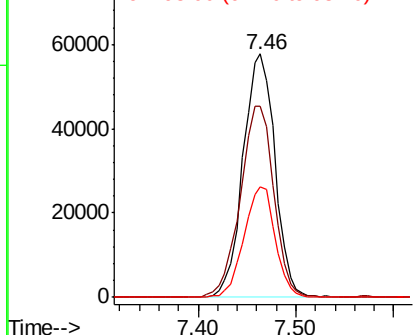
#39
Methylvlcyclohexane
Concen: 25.70 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Instrument :
MSVOA_X
ClientSampleId :
S13-0262

Tot Ion: 83 Resp: 130529
Ion Ratio Lower Upper
83 100
55 78.4 61.0 91.4
98 45.5 39.6 59.4

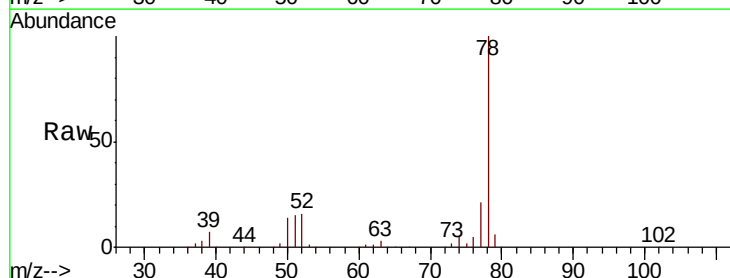


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

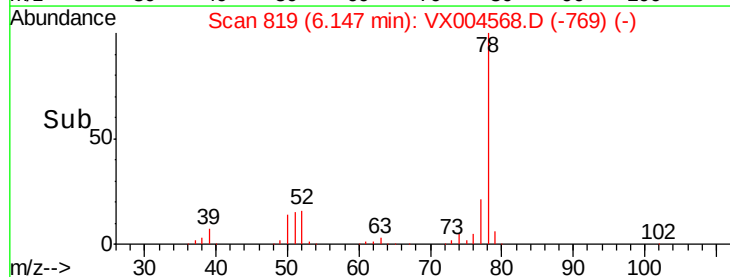
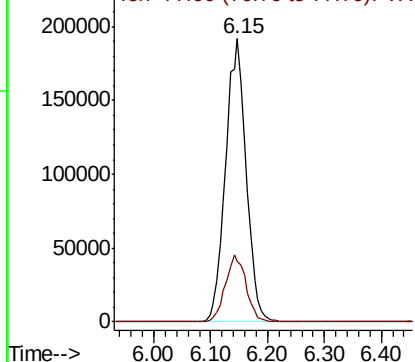


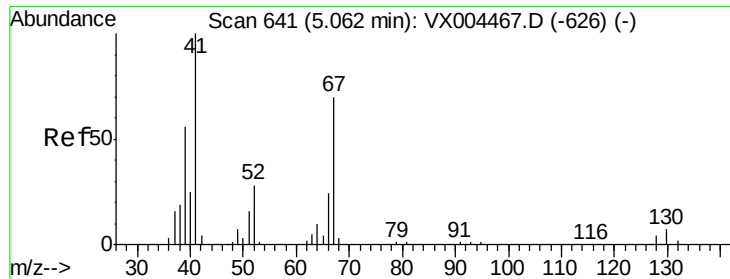
#40
Benzene
Concen: 33.47 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 78 Resp: 483353
Ion Ratio Lower Upper
78 100
77 21.4 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

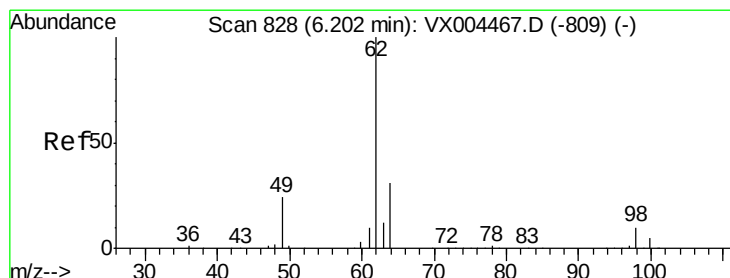
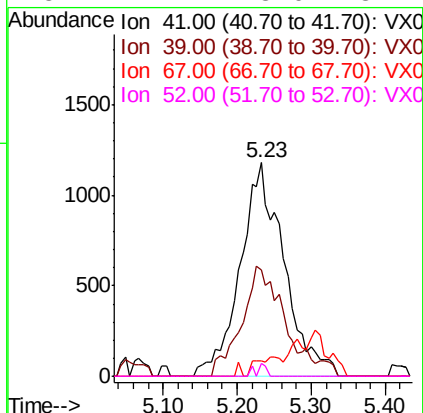
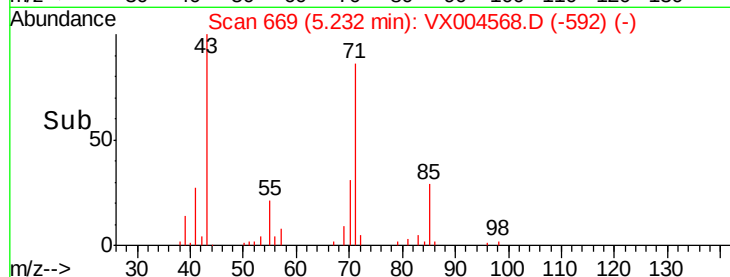
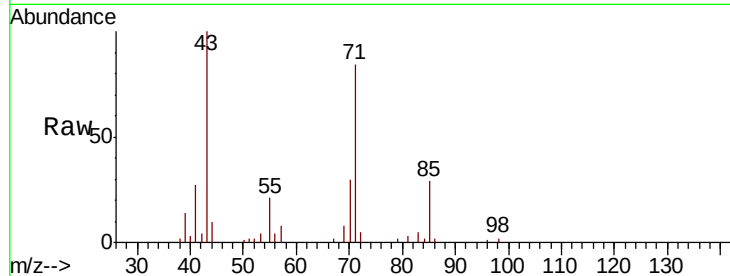




#41
Methacrylonitrile
Concen: 1.59 ug/l
RT: 5.23 min Scan# 669
Delta R.T. 0.17 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

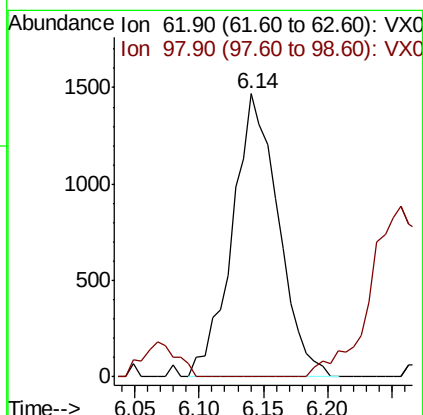
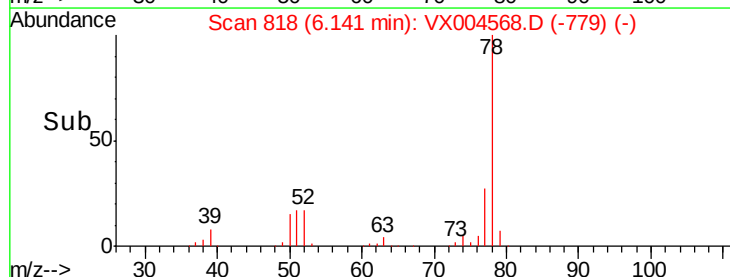
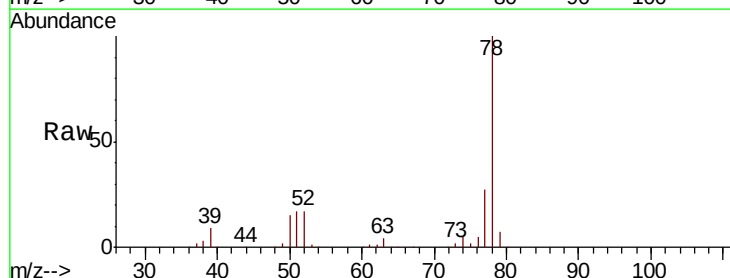
Instrument :
MSVOA_X
ClientSampled :
S13-0262

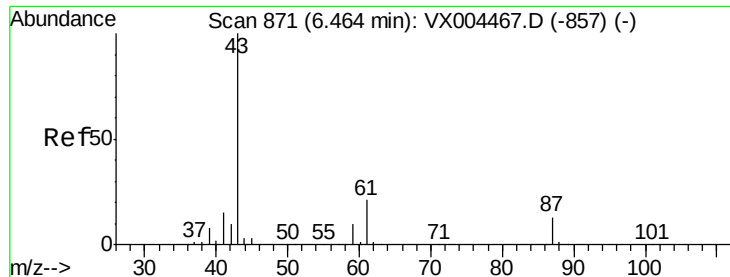
Tot Ion: 41 Resp: 4845
Ion Ratio Lower Upper
41 100
39 49.6 42.4 63.6
67 0.0 59.2 88.8#
52 1.4 23.0 34.4#



#42
1,2-Dichloroethane
Concen: 0.76 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.06 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 62 Resp: 3641
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.6





#43

Isopropyl Acetate

Concen: 0.40 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.02 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

S13-0262

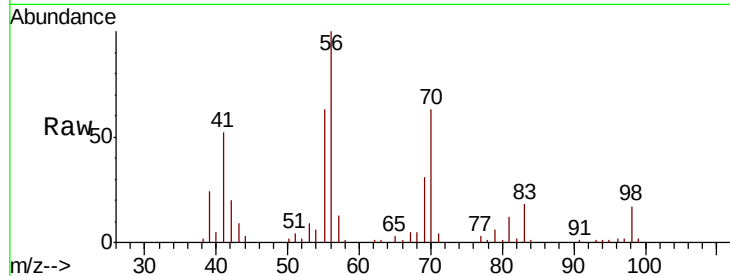
Tot Ion: 43 Resp: 2932

Ion Ratio Lower Upper

43 100

61 0.0 17.0 25.4#

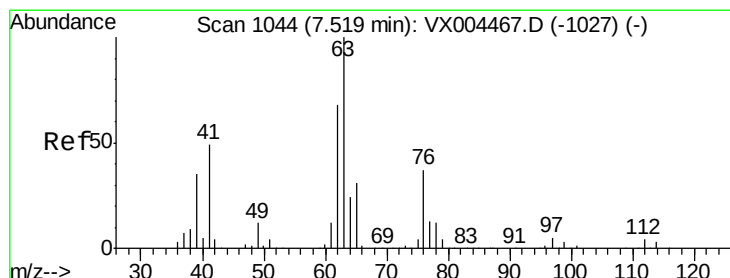
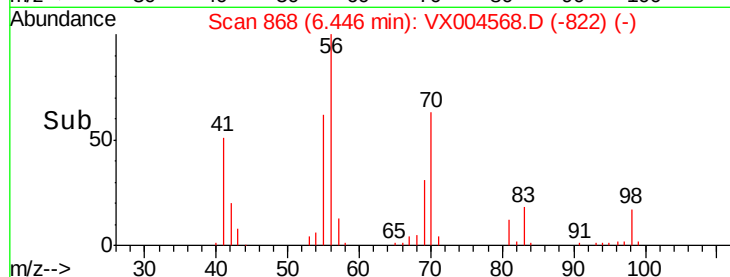
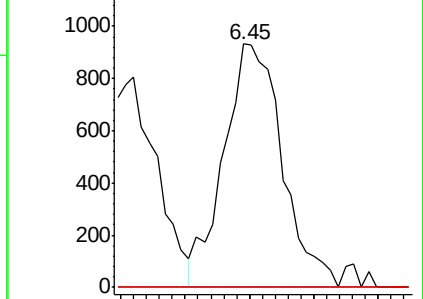
87 0.0 11.4 17.2#



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



#45

1,2-Dichloropropane

Concen: 0.42 ug/l

RT: 7.47 min Scan# 1036

Delta R.T. -0.05 min

Lab File: VX004568.D

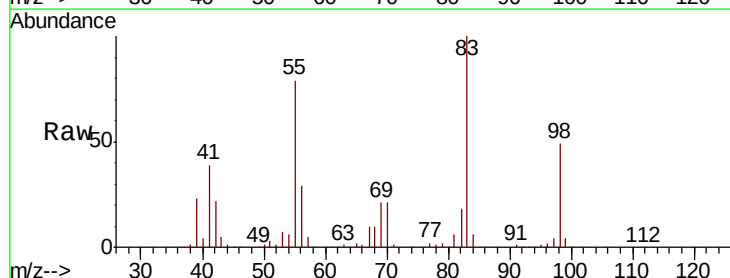
Acq: 15 Sep 2018 07:09

Tgt Ion: 63 Resp: 1472

Ion Ratio Lower Upper

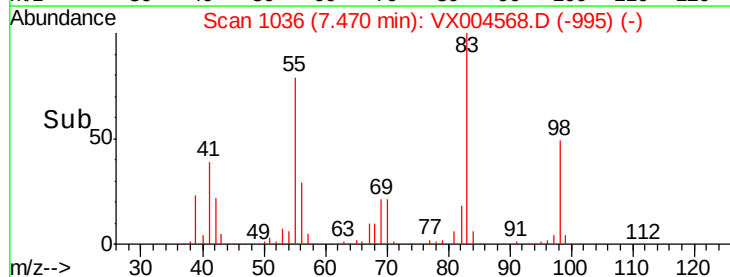
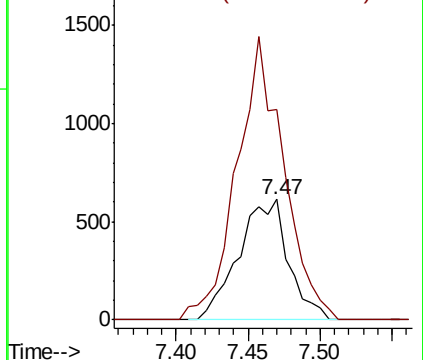
63 100

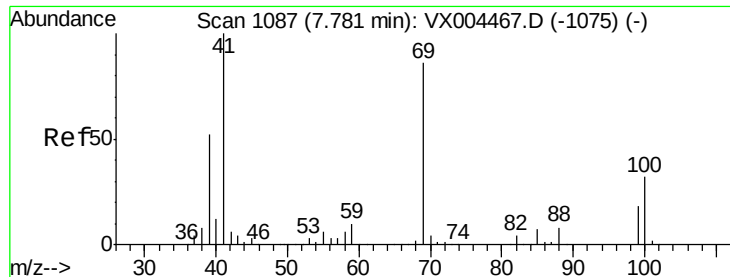
65 175.5 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

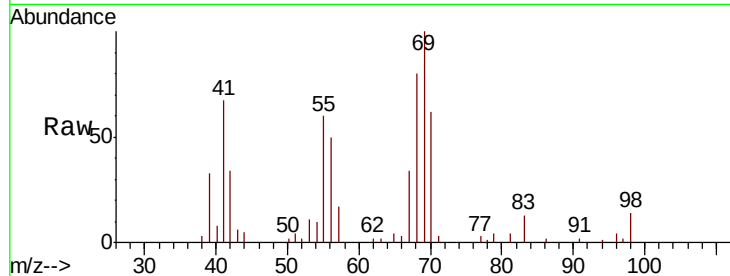




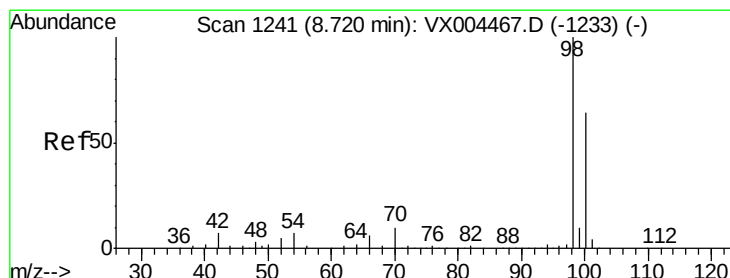
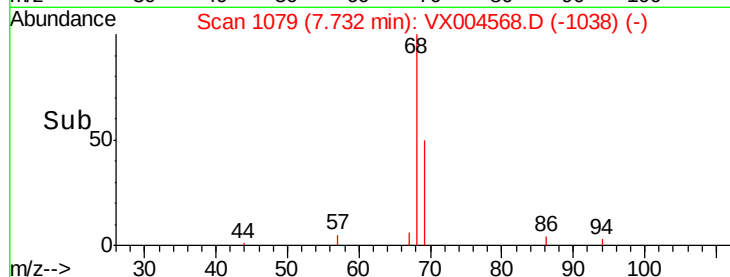
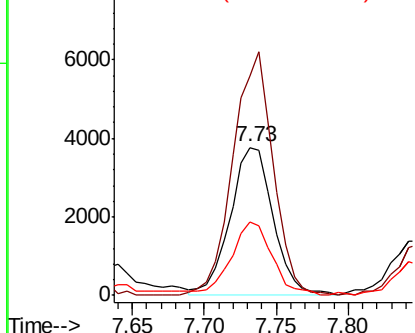
#48
Methvl methacrylate
Concen: 2.16 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.05 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Instrument :
MSVOA_X
ClientSampleId :
S13-0262

Tot Ion: 41 Resp: 7873
Ion Ratio Lower Upper
41 100
69 153.3 70.2 105.4#
39 47.6 42.7 64.1

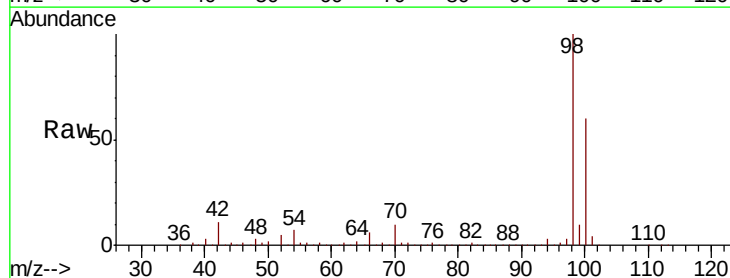


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

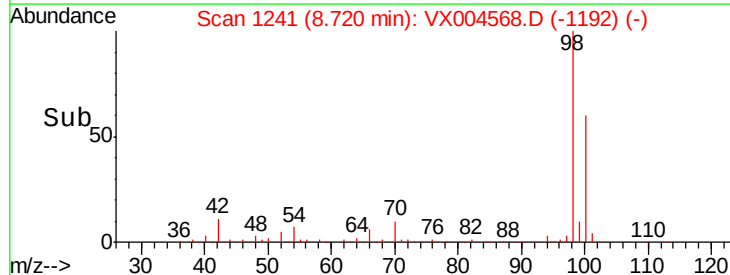
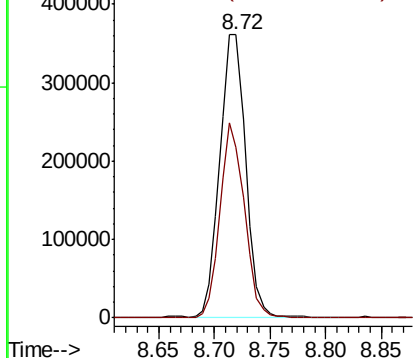


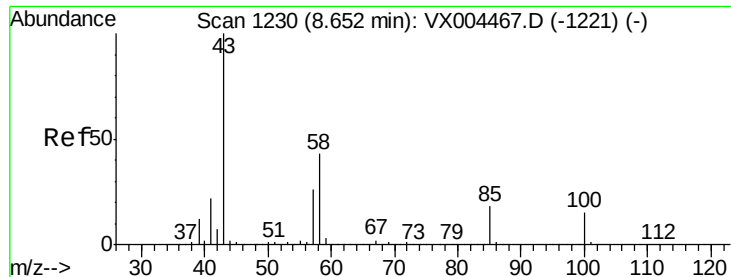
#50
Toluene-d8
Concen: 47.35 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 98 Resp: 582582
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.78 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

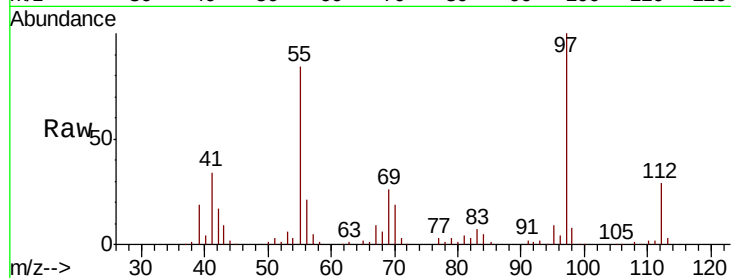
S13-0262

Tot Ion: 43 Resp: 4053

Ion Ratio Lower Upper

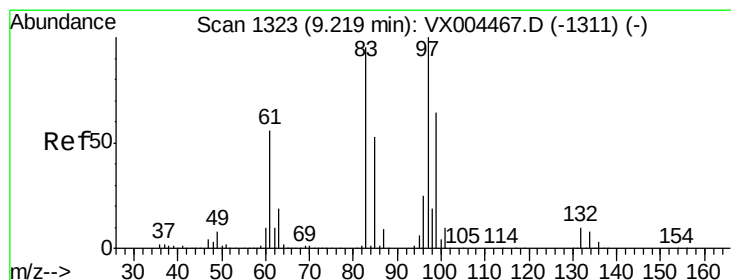
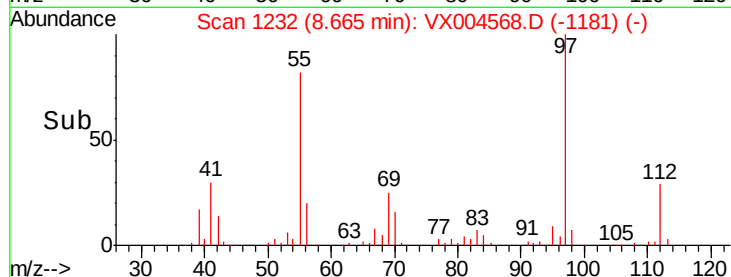
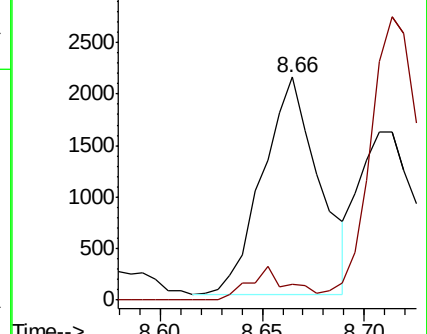
43 100

58 11.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#55

1,1,2-Trichloroethane

Concen: 7.42 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Tgt Ion: 97 Resp: 27165

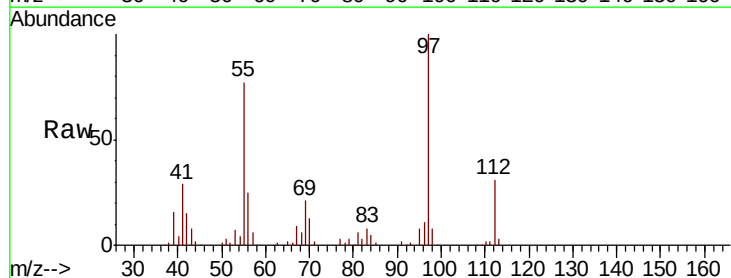
Ion Ratio Lower Upper

97 100

83 7.5 66.4 99.6#

85 0.7 43.3 64.9#

99 0.4 49.0 73.4#

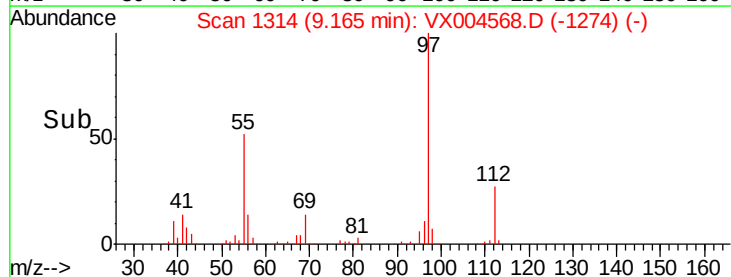
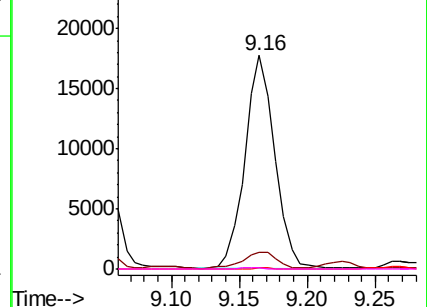


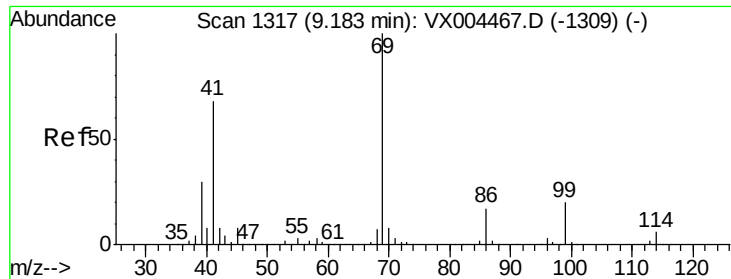
Abundance Ion 96.90 (96.60 to 97.60): VX0

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

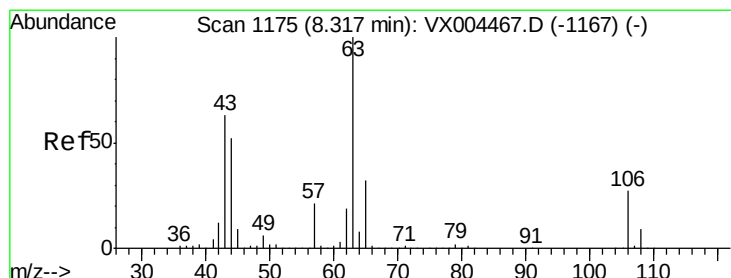
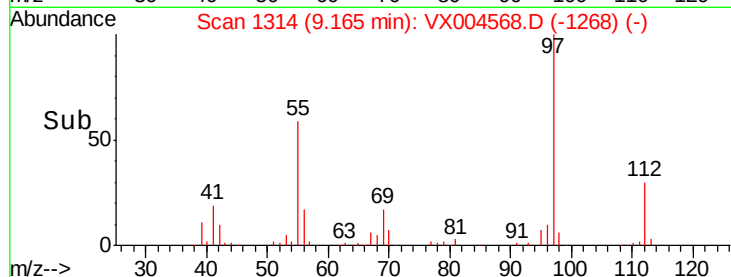
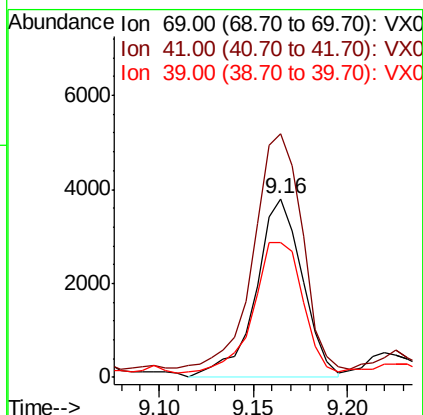
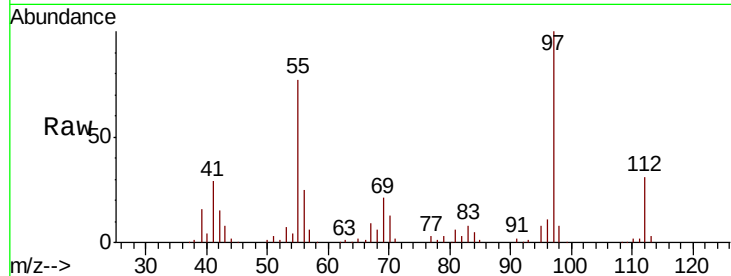




#56
Ethyl methacrylate
Concen: 1.26 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

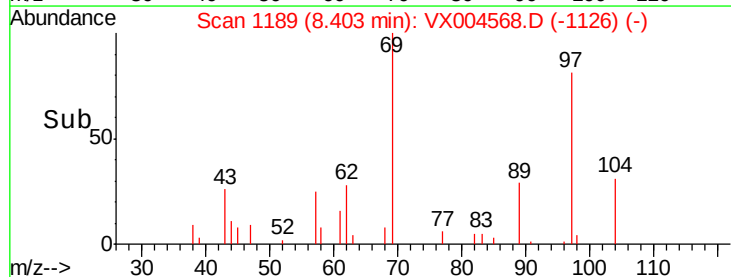
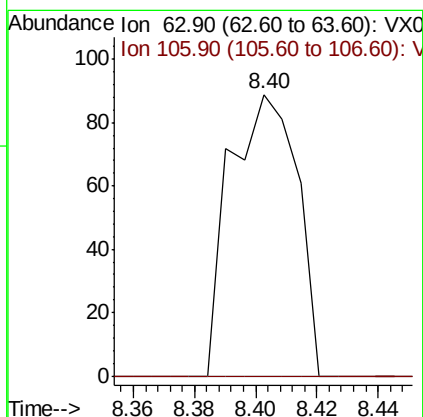
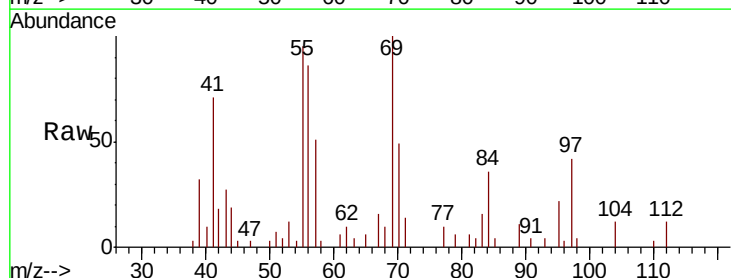
Instrument :
MSVOA_X
ClientSampleId :
S13-0262

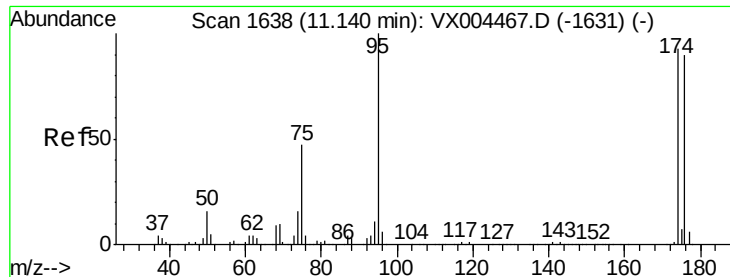
Tot Ion: 69 Resp: 6523
Ion Ratio Lower Upper
69 100
41 137.6 51.0 76.4#
39 76.4 26.1 39.1#



#58
2-Chloroethyl Vinyl ether
Concen: 7.32 ug/l
RT: 8.40 min Scan# 1189
Delta R.T. 0.09 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 63 Resp: 136
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#





#62

4-Bromofluorobenzene

Concen: 45.83 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

S13-0262

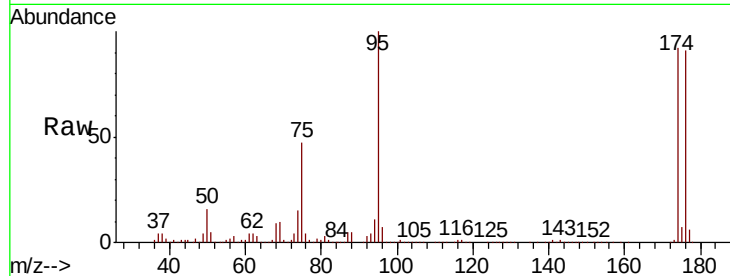
Tot Ion: 95 Resp: 201245

Ion Ratio Lower Upper

95 100

174 92.0 0.0 185.2

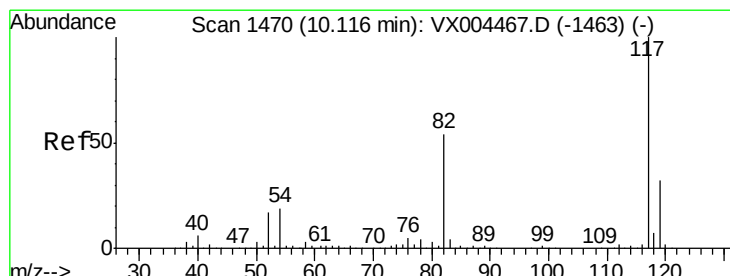
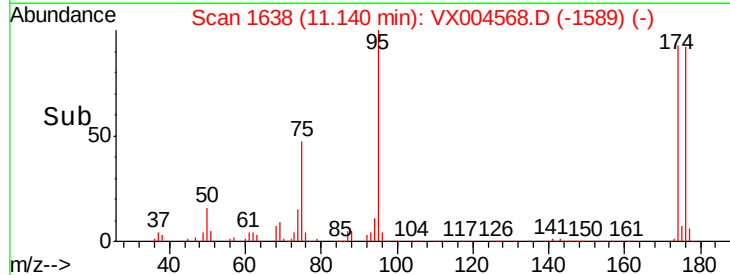
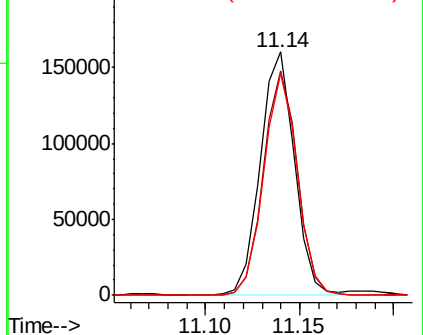
176 89.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

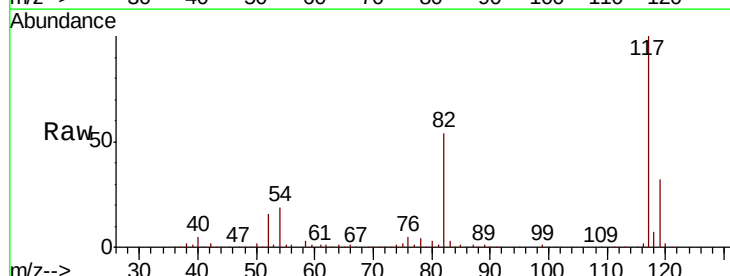
Tgt Ion: 117 Resp: 359422

Ion Ratio Lower Upper

117 100

82 53.7 47.8 71.6

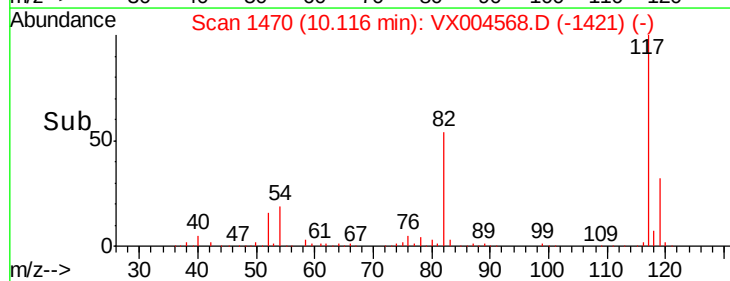
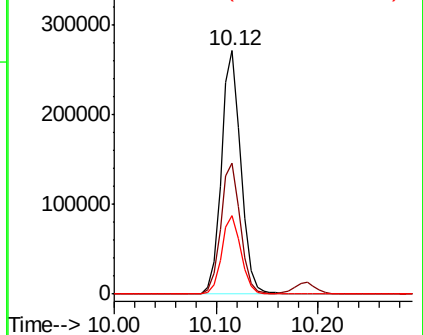
119 32.5 29.3 43.9

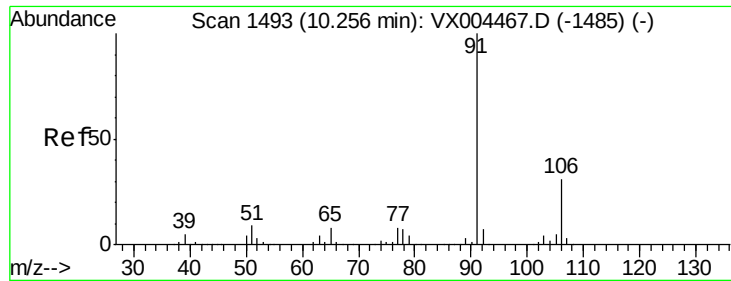


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

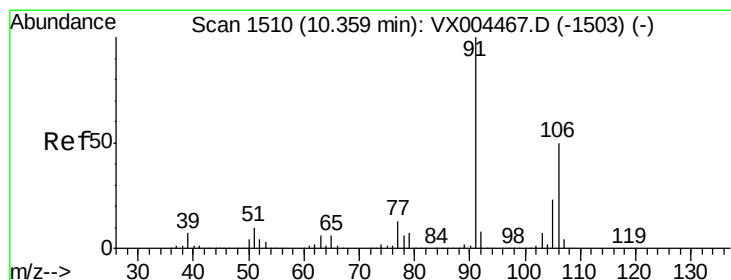
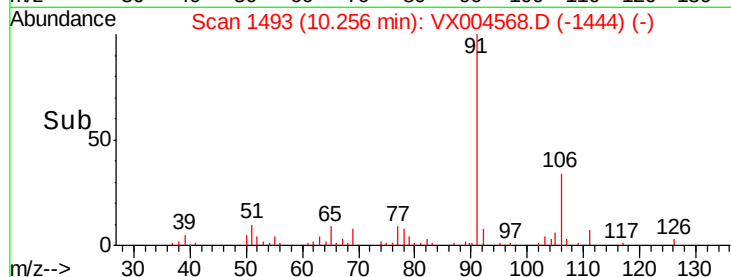
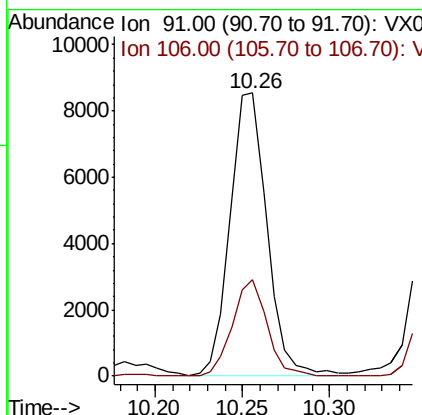
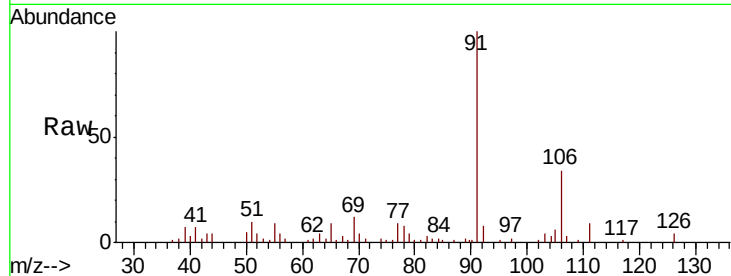




#67
Ethyl Benzene
Concen: 0.87 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

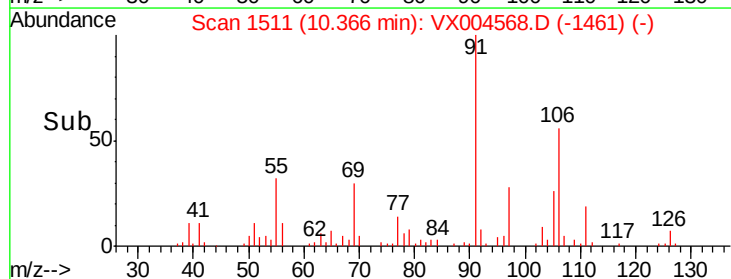
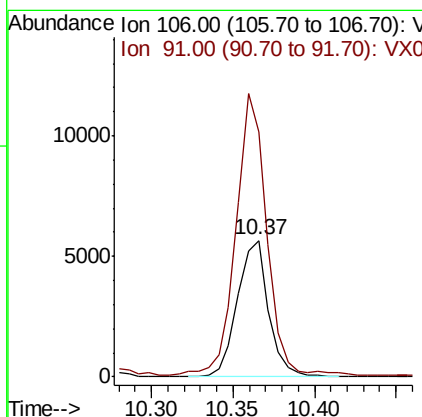
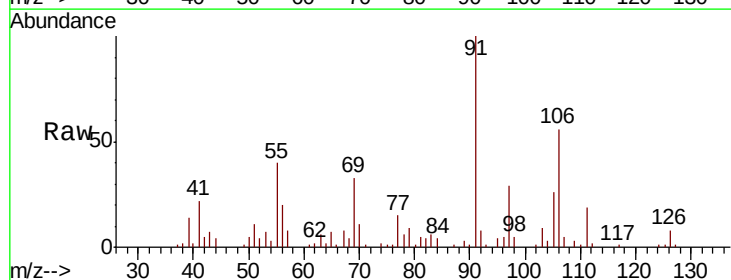
Instrument :
MSVOA_X
ClientSampled :
S13-0262

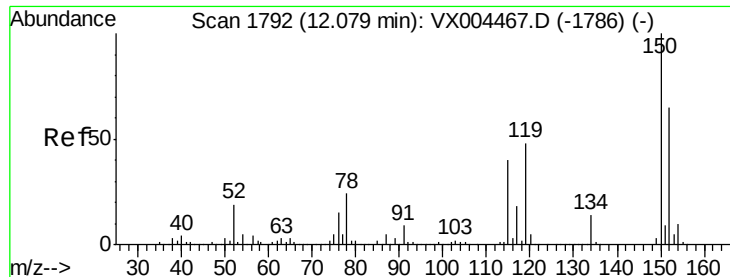
Tot Ion: 91 Resp: 12635
Ion Ratio Lower Upper
91 100
106 33.9 25.9 38.9



#68
m/p-Xylenes
Concen: 1.34 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 106 Resp: 7514
Ion Ratio Lower Upper
106 100
91 205.0 157.1 235.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

S13-0262

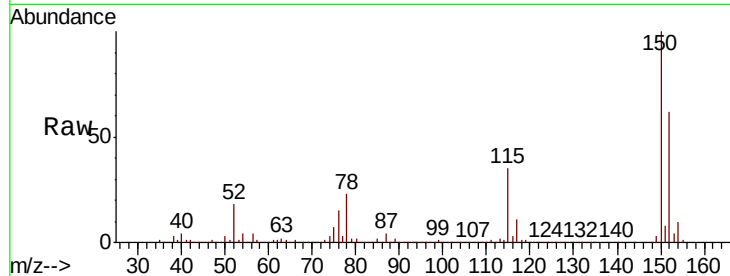
Tot Ion:152 Resp: 208821

Ion Ratio Lower Upper

152 100

115 56.6 39.0 117.0

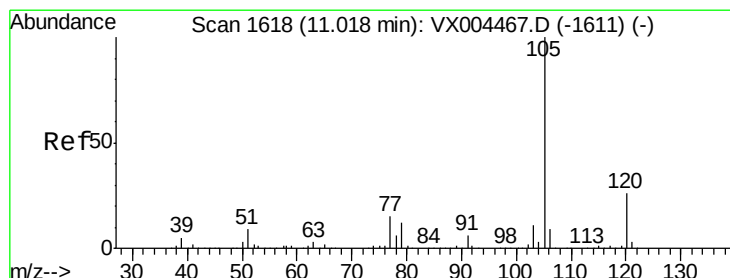
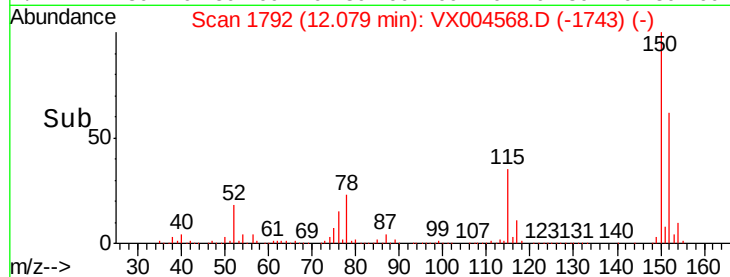
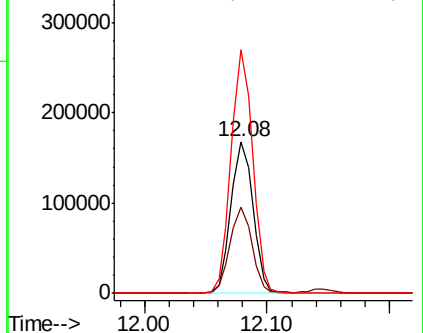
150 158.1 0.0 351.0



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: 10.39 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004568.D

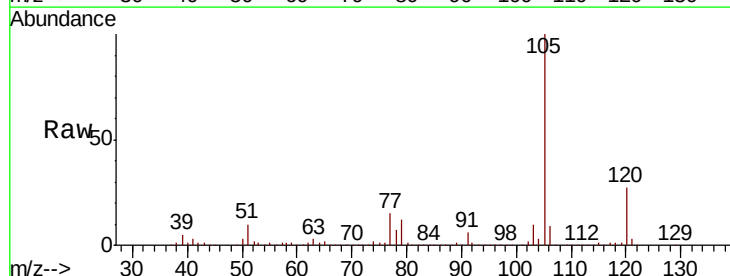
Acq: 15 Sep 2018 07:09

Tgt Ion:105 Resp: 142919

Ion Ratio Lower Upper

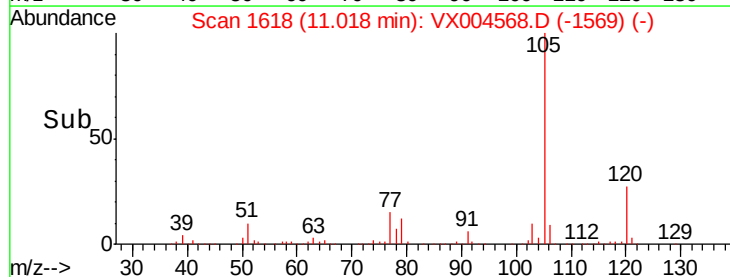
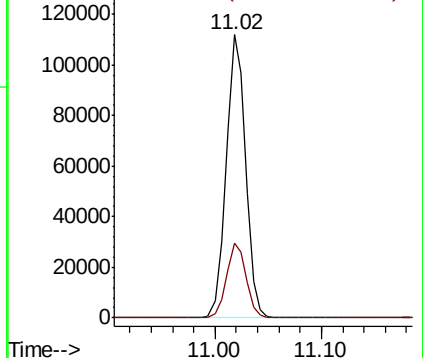
105 100

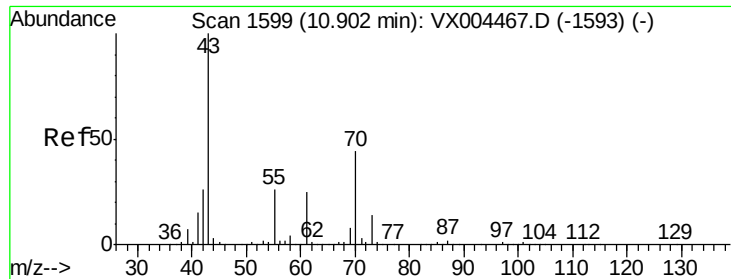
120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.80 ug/l

RT: 10.94 min Scan# 1606

Delta R.T. 0.04 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

S13-0262

Tot Ion: 43 Resp: 10443

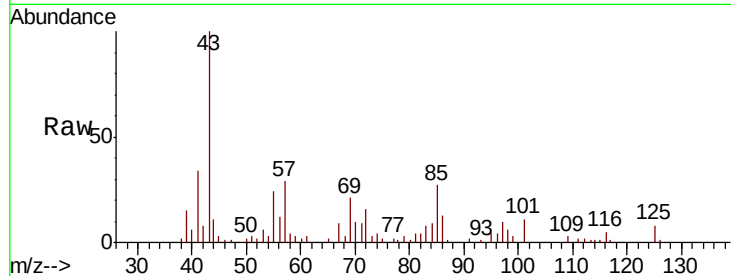
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#

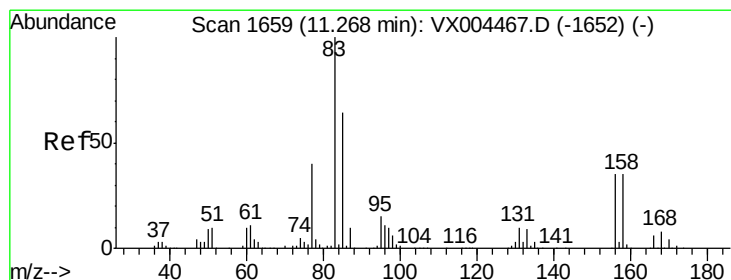
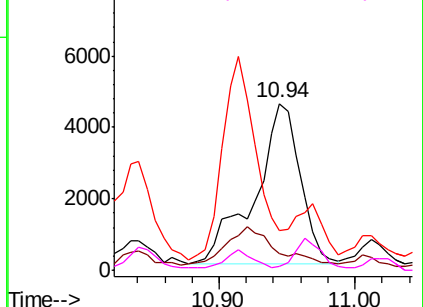
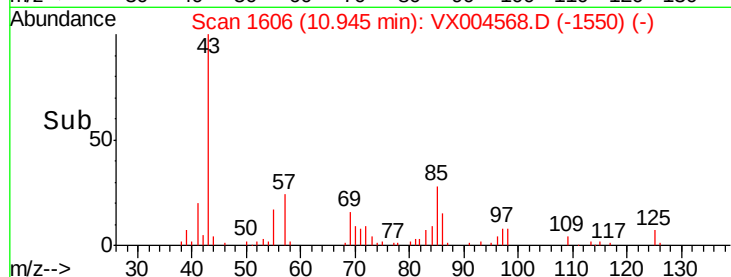


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.60 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

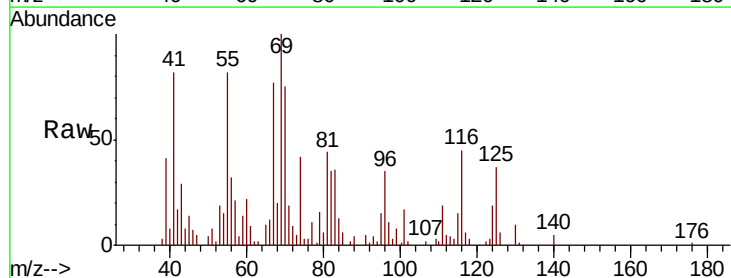
Tgt Ion: 83 Resp: 2645

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

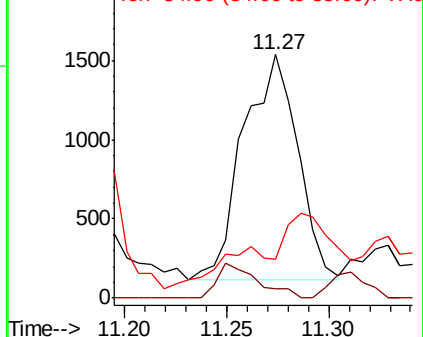
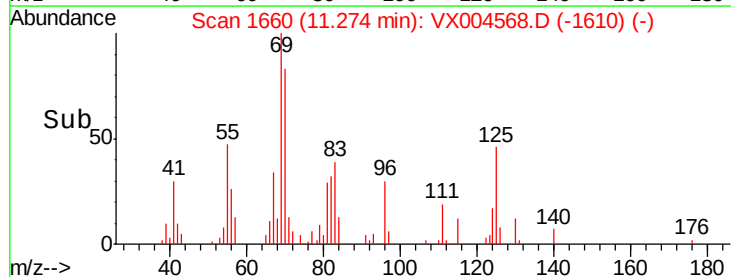
85 48.8 32.3 96.8

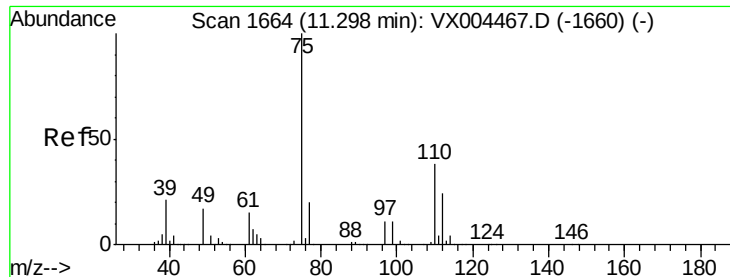


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

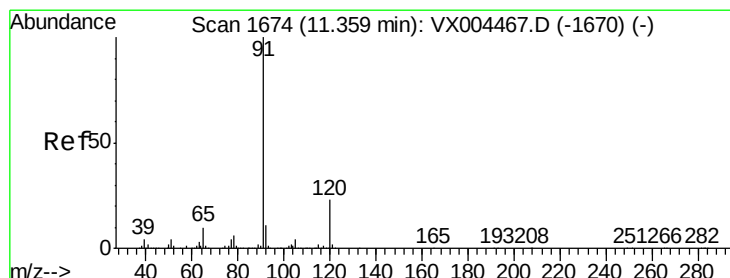
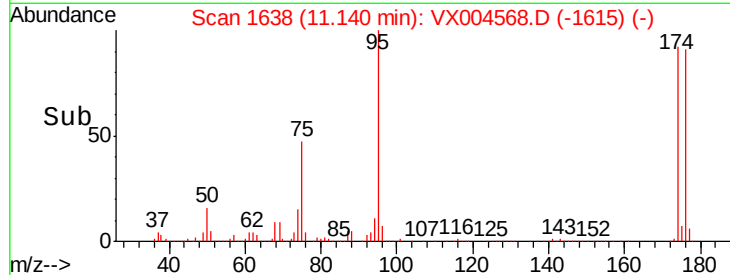
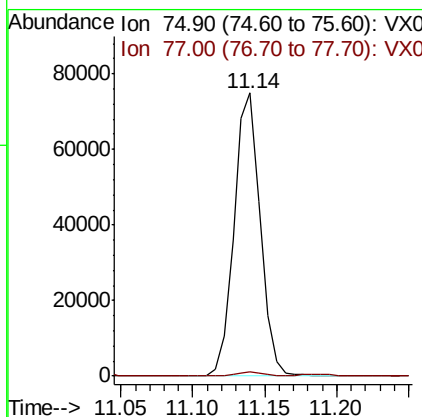
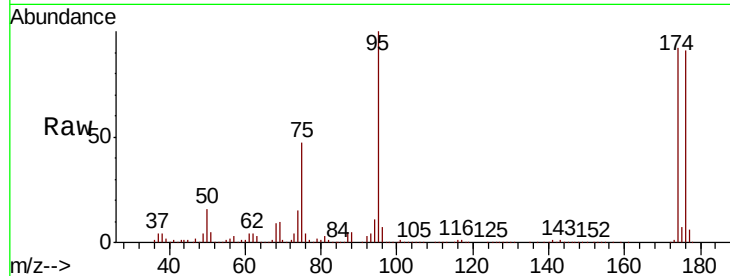




#76
 1,2,3-Trichloropropane
 Concen: 22.70 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004568.D
 Acq: 15 Sep 2018 07:09

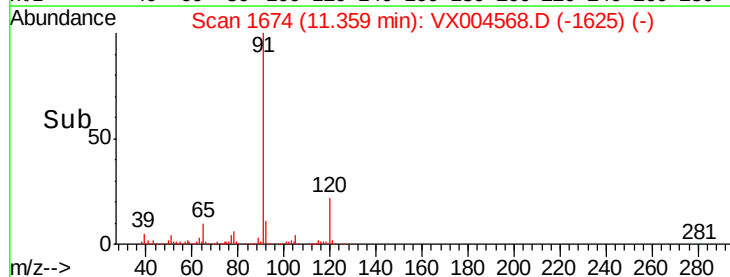
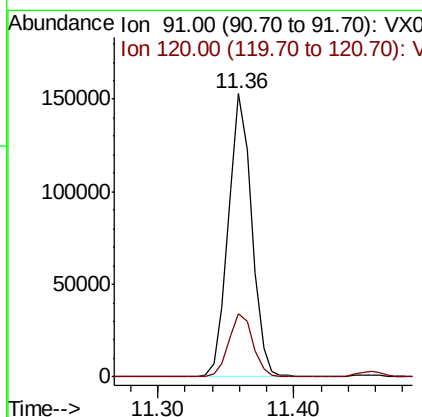
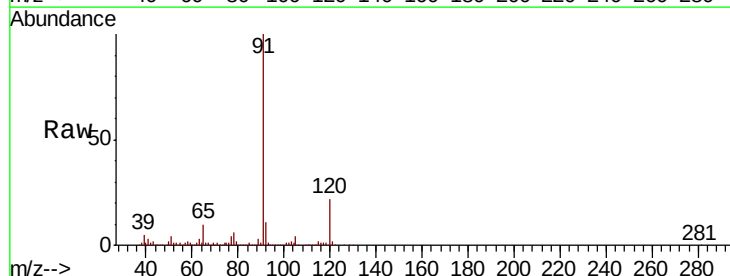
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0262

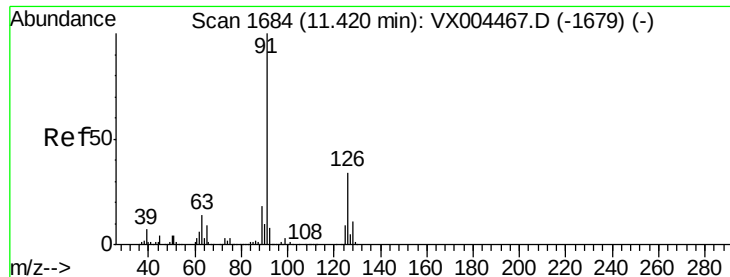
Tot Ion: 75 Resp: 95384
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#78
 n-propylbenzene
 Concen: 11.58 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VX004568.D
 Acq: 15 Sep 2018 07:09

Tgt Ion: 91 Resp: 183086
 Ion Ratio Lower Upper
 91 100
 120 23.1 11.9 35.9





#79

2-Chlorotoluene

Concen: 19.09 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

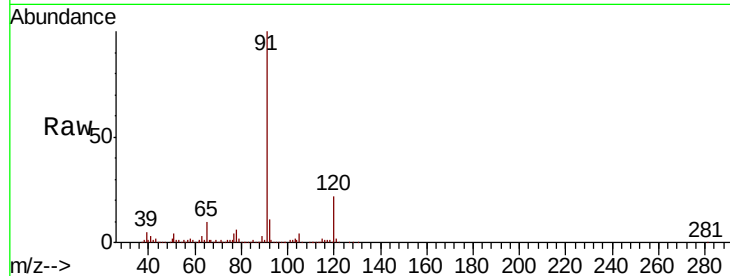
S13-0262

Tot Ion: 91 Resp: 183086

Ion Ratio Lower Upper

91 100

126 0.1 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

150000

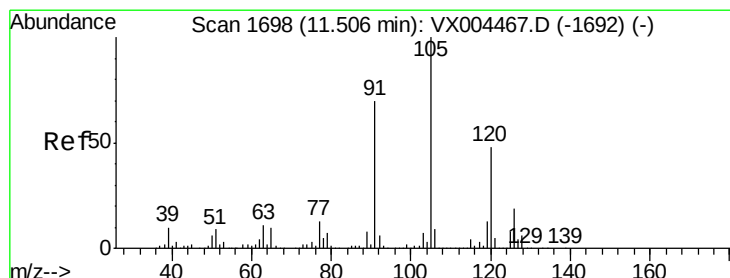
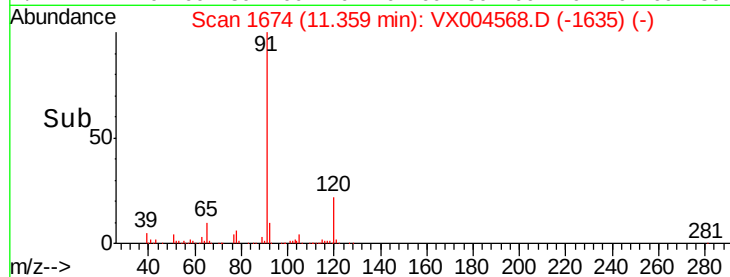
11.36

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.53 ug/l

RT: 11.67 min Scan# 1725

Delta R.T. 0.16 min

Lab File: VX004568.D

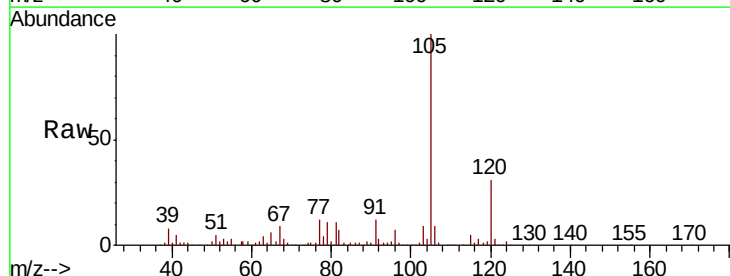
Acq: 15 Sep 2018 07:09

Tgt Ion:105 Resp: 52404

Ion Ratio Lower Upper

105 100

120 30.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

50000

11.67

40000

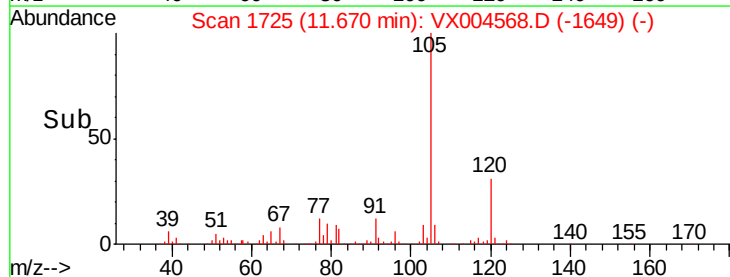
30000

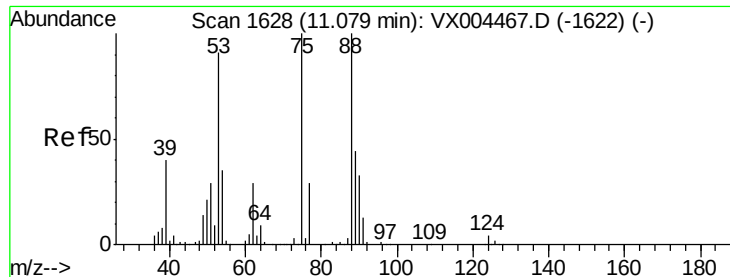
20000

10000

0

Time-->

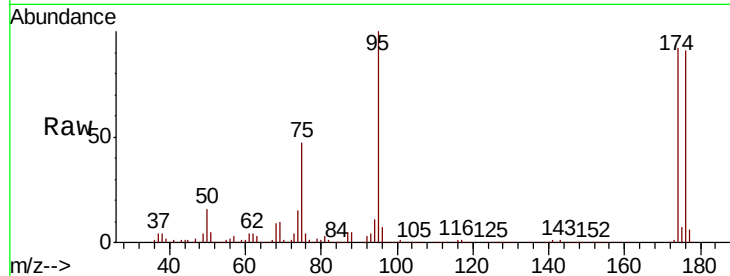




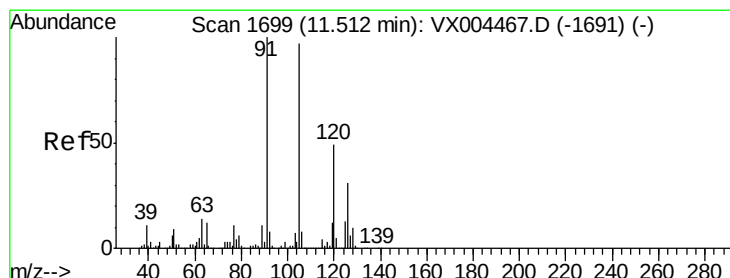
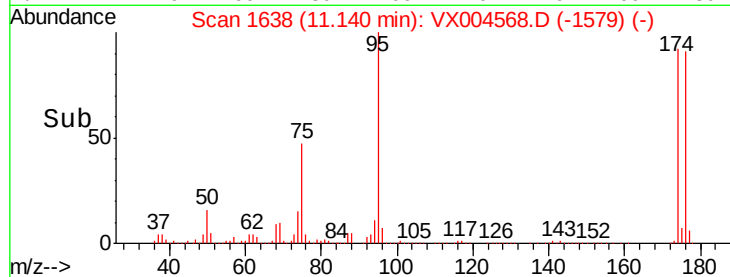
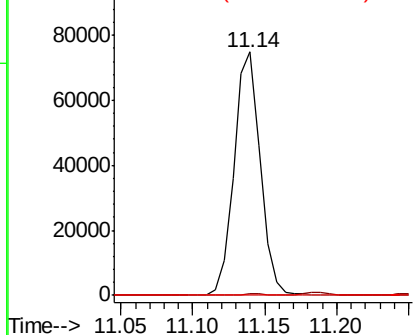
#81
trans-1,4-Dichloro-2-butene
Concen: 72.37 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Instrument :
MSVOA_X
ClientSampleId :
S13-0262

Tot Ion: 75 Resp: 95384
Ion Ratio Lower Upper
75 100
53 0.5 80.1 120.1#
89 0.0 37.2 55.8#

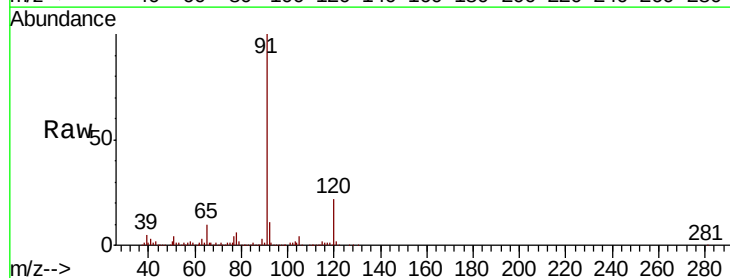


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

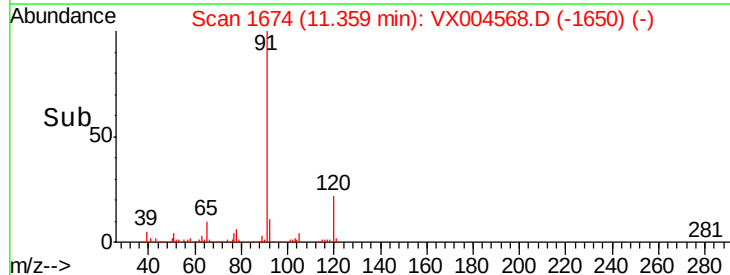
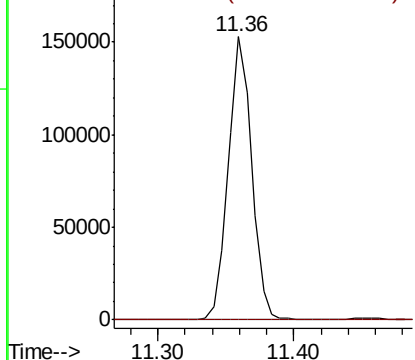


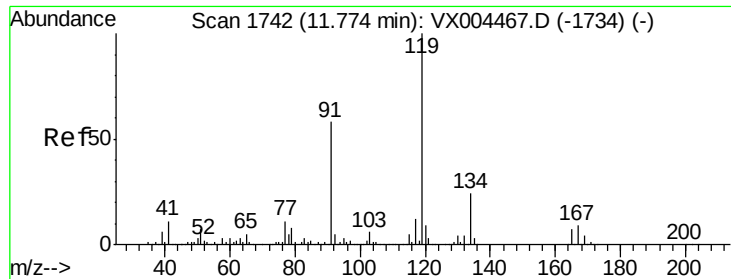
#82
4-Chlorotoluene
Concen: 16.36 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.15 min
Lab File: VX004568.D
Acq: 15 Sep 2018 07:09

Tgt Ion: 91 Resp: 183086
Ion Ratio Lower Upper
91 100
126 0.1 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

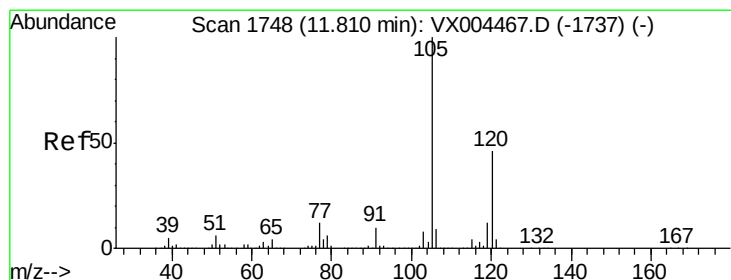
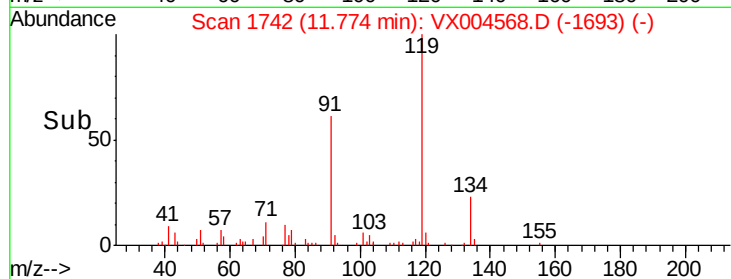
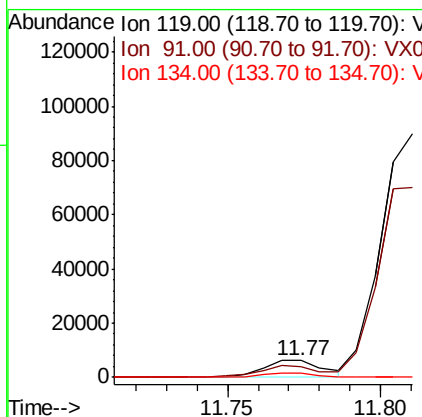
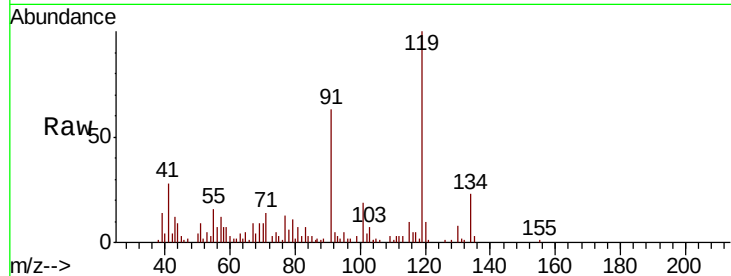




#83
 tert-Butylbenzene
 Concen: 0.77 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004568.D
 Acq: 15 Sep 2018 07:09

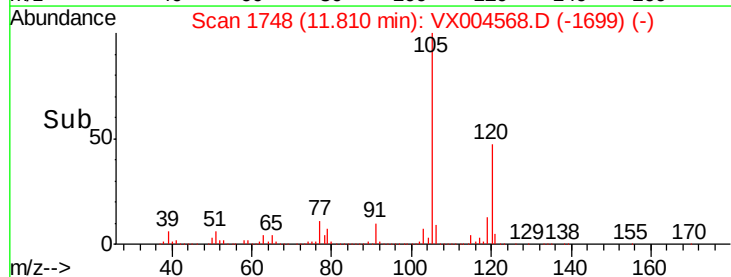
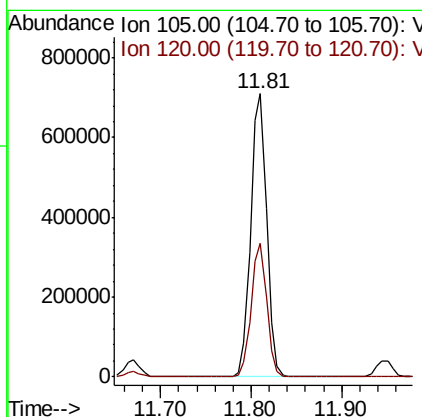
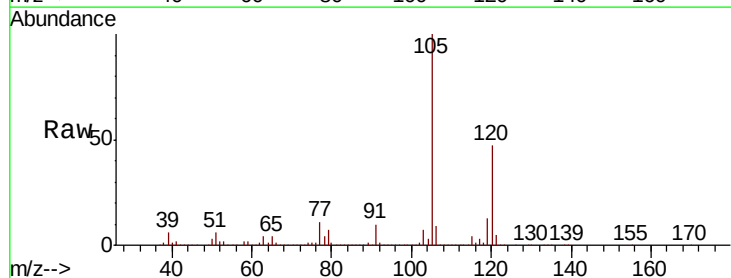
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0262

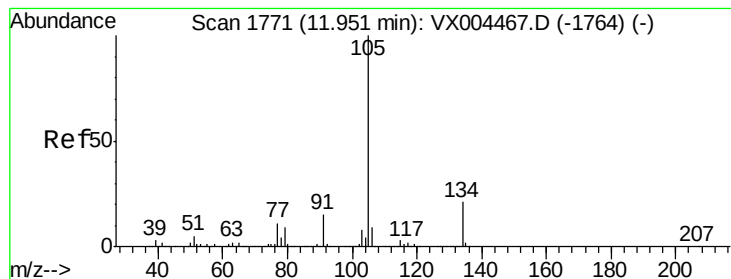
Tot Ion:119 Resp: 8479
 Ion Ratio Lower Upper
 119 100
 91 59.4 27.0 81.0
 134 24.1 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 73.13 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004568.D
 Acq: 15 Sep 2018 07:09

Tgt Ion:105 Resp: 863181
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 3.74 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

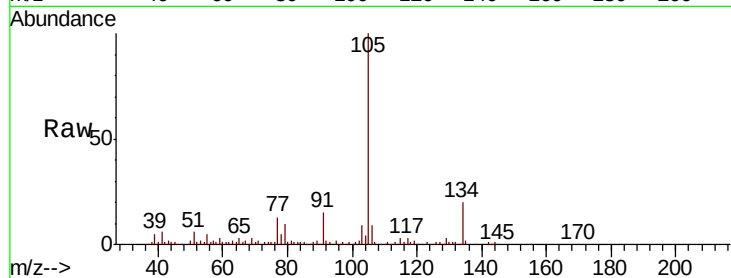
S13-0262

Tot Ion:105 Resp: 52485

Ion Ratio Lower Upper

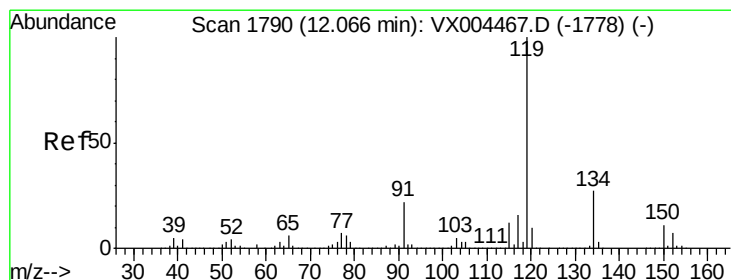
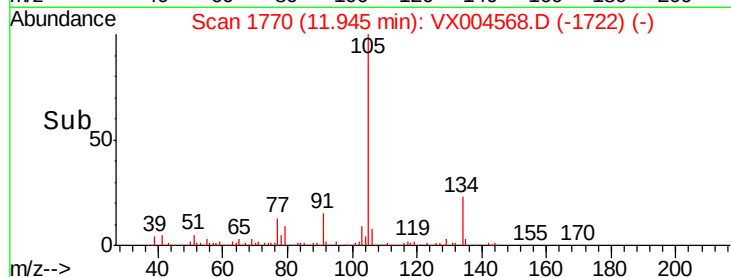
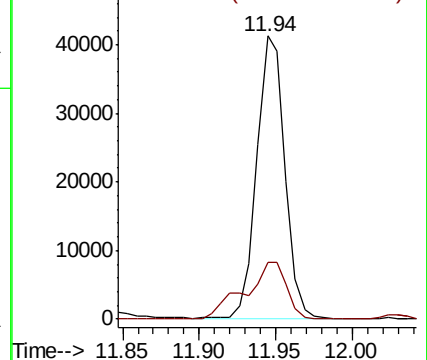
105 100

134 29.8 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.83 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

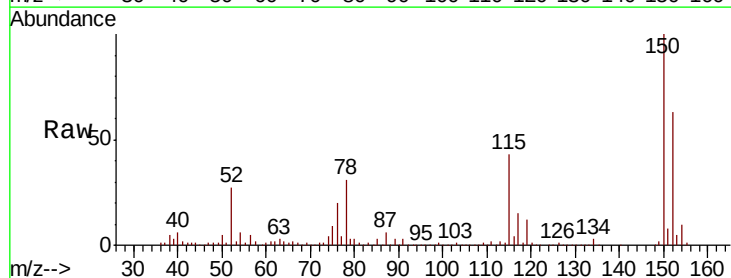
Tgt Ion:119 Resp: 10318

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

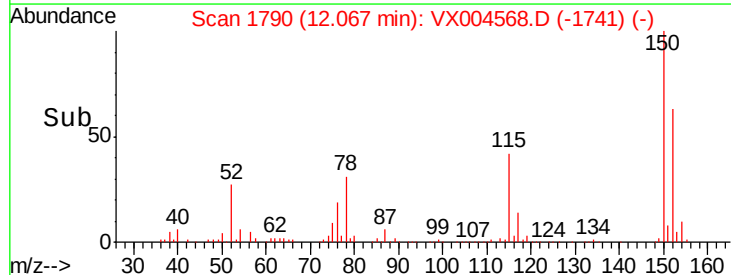
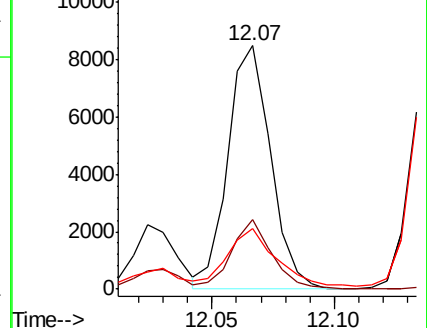
91 25.6 10.9 32.7

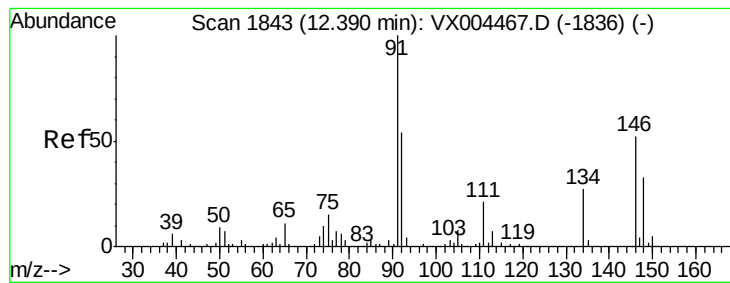


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 2.68 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

S13-0262

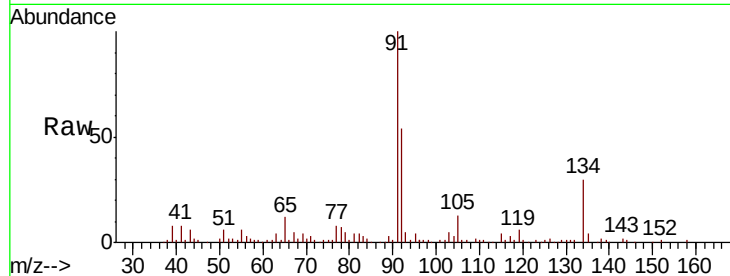
Tot Ion: 91 Resp: 30272

Ion Ratio Lower Upper

91 100

92 43.1 27.3 81.9

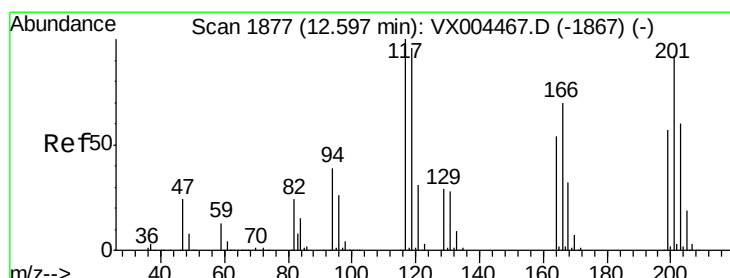
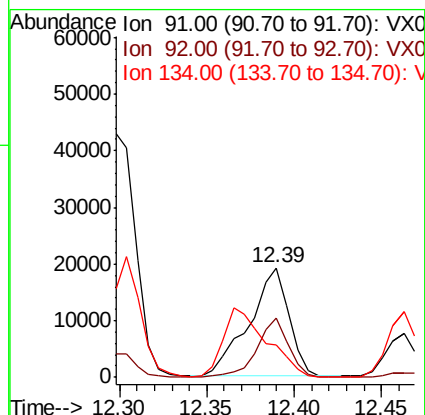
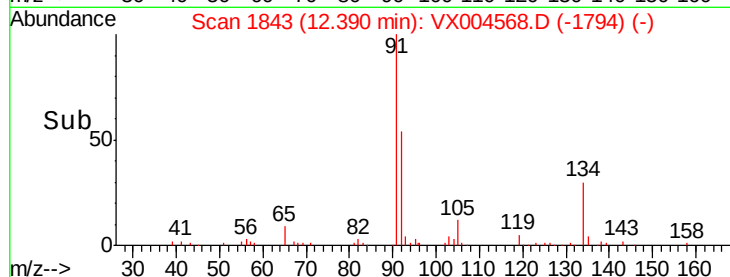
134 0.0 13.6 40.7#



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX004467.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX004467.D (-1836) (-)



#90

Hexachloroethane

Concen: 5.02 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX004568.D

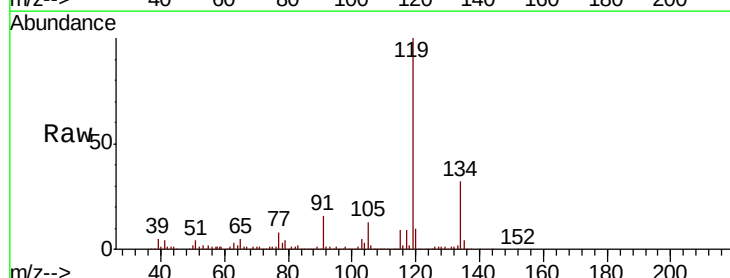
Acq: 15 Sep 2018 07:09

Tgt Ion: 117 Resp: 9951

Ion Ratio Lower Upper

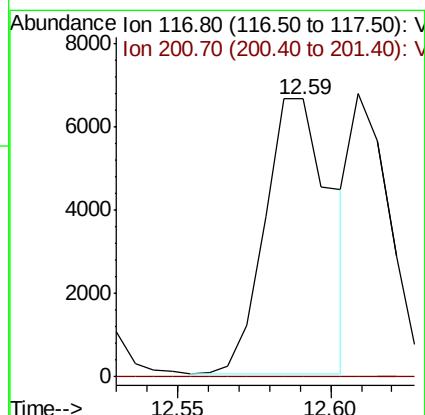
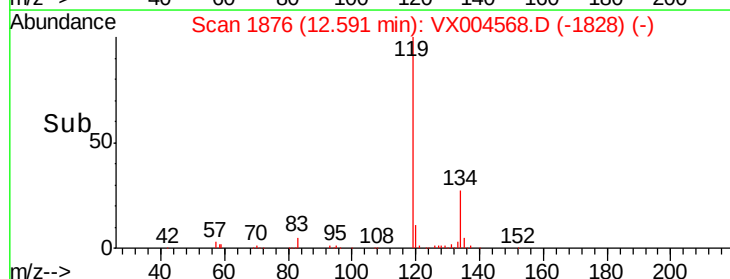
117 100

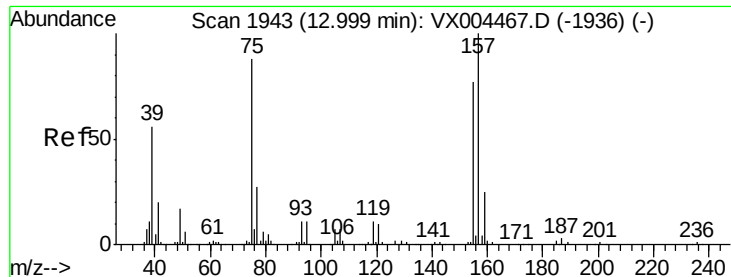
201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): VX004467.D (-1867) (-)

Ion 200.70 (200.40 to 201.40): VX004467.D (-1867) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.98 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

Instrument :

MSVOA_X

ClientSampled :

S13-0262

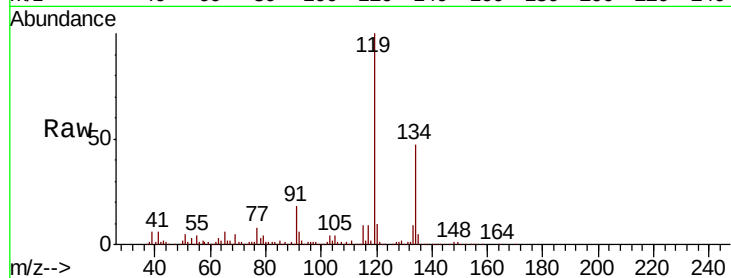
Tot Ion: 75 Resp: 929

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

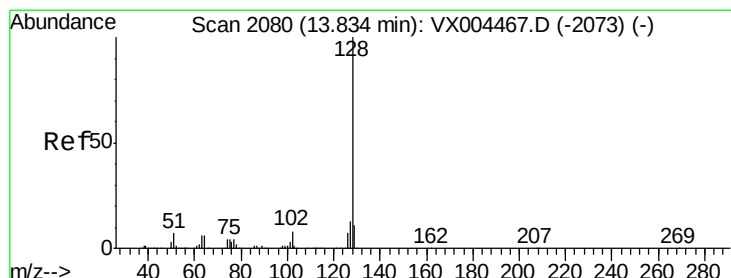
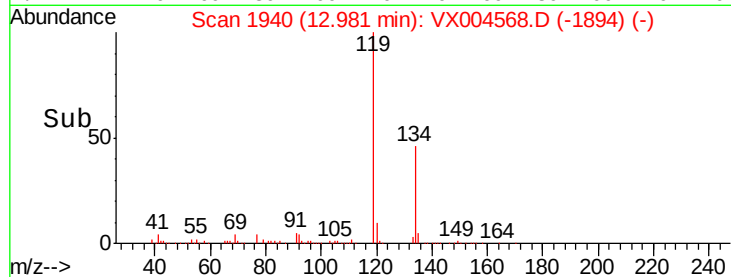
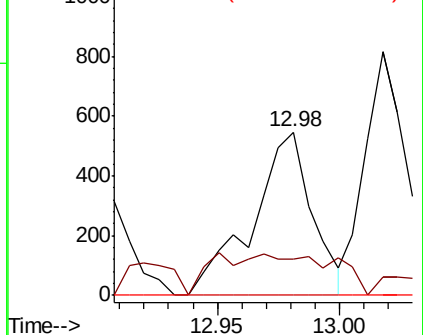
157 0.0 61.4 184.1#



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: 11.97 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004568.D

Acq: 15 Sep 2018 07:09

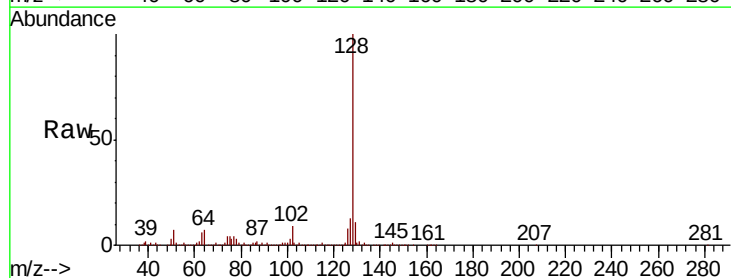
Tgt Ion: 128 Resp: 170611

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.2

129 13.6 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

