

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004562.D
 Acq On : 15 Sep 2018 04:30
 Operator : JC/MD
 Sample : J4925-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0256

Quant Time: Sep 15 06:07:34 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	286467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197807	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	171653	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	5.51	113	156229	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
50) Toluene-d8	8.71	98	542225	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
62) 4-Bromofluorobenzene	11.14	95	185840	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1302	0.35	ug/l	95
5) Bromomethane	1.65	94	1114	Below Cal		81
10) Methyl Iodide	2.52	142	528	4.38	ug/l	94
11) Tert butyl alcohol	3.06	59	547	0.62	ug/l #	72
13) Acrolein	2.40	56	8127	23.36	ug/l #	79
14) Allyl chloride	2.84	41	33240	5.40	ug/l #	61
15) Acrylonitrile	3.17	53	10294	4.85	ug/l #	42
16) Acetone	2.44	43	3768	2.09	ug/l	98
18) Methyl Acetate	2.85	43	91011	17.99	ug/l #	51
25) 2-Butanone	4.72	43	1087	0.38	ug/l	91
26) 2,2-Dichloropropane	4.38	77	5653	1.32	ug/l #	52
29) Tetrahydrofuran	5.23	42	1929	1.11	ug/l #	1
30) Chloroform	5.24	83	1679	0.27	ug/l #	1
31) Cyclohexane	5.57	56	538042	100.70	ug/l	95
36) 1,1-Dichloropropene	5.67	75	18334	3.94	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24453	5.38	ug/l #	15
39) Methylcyclohexane	7.46	83	2226728	458.32	ug/l	97
40) Benzene	6.15	78	4665	0.34	ug/l	97
41) Methacrylonitrile	5.23	41	10950	3.75	ug/l #	51
43) Isopropyl Acetate	6.46	43	27346	3.89	ug/l #	62
45) 1,2-Dichloropropane	7.46	63	18772	5.65	ug/l #	1
47) Bromodichloromethane	7.85	83	5356	1.35	ug/l #	25
48) Methyl methacrylate	7.73	41	111274	31.97	ug/l #	45
51) 4-Methyl-2-Pentanone	8.66	43	46270	9.32	ug/l #	38
55) 1,1,2-Trichloroethane	9.16	97	202306	57.73	ug/l #	20
56) Ethyl methacrylate	9.16	69	43091	8.69	ug/l #	5
58) 2-Chloroethyl Vinyl ether	8.32	63	49	7.29	ug/l #	45
59) 2-Hexanone	9.31	43	1517	0.40	ug/l	68
67) Ethyl Benzene	10.25	91	35966	2.61	ug/l	99
68) m/p-Xylenes	10.36	106	1296	0.24	ug/l #	20
73) Isopropylbenzene	11.02	105	618012	47.44	ug/l	100
74) N-amyl acetate	10.94	43	8419	1.54	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	11.45	83	842	0.20	ug/l	76
76) 1,2,3-Trichloropropane	11.36	75	4697	1.18	ug/l #	1

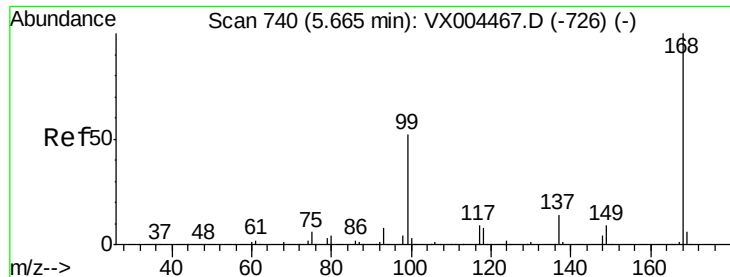
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
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Quant Time: Sep 15 06:07:34 2018
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 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.36	91	795581	53.11	ug/l	99
79) 2-Chlorotoluene	11.36	91	795581	87.58	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.02	75	6570	5.26	ug/l #	59
82) 4-Chlorotoluene	11.36	91	795581	75.03	ug/l #	44
83) tert-Butylbenzene	11.77	119	20503	1.97	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	75954	6.79	ug/l	99
85) sec-Butylbenzene	11.94	105	146839	11.05	ug/l	82
86) p-Isopropyltoluene	12.23	119	56663	4.83	ug/l	96
89) n-Butylbenzene	12.39	91	73811	6.90	ug/l #	74
90) Hexachloroethane	12.67	117	35865	19.09	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.98	75	2390	2.66	ug/l #	1
95) Naphthalene	13.83	128	762682	56.48	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

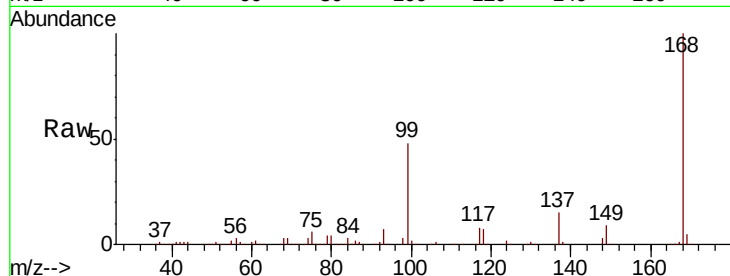
S13-0256

Tot Ion:168 Resp: 286467

Ion Ratio Lower Upper

168 100

99 48.0 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

120000

100000

80000

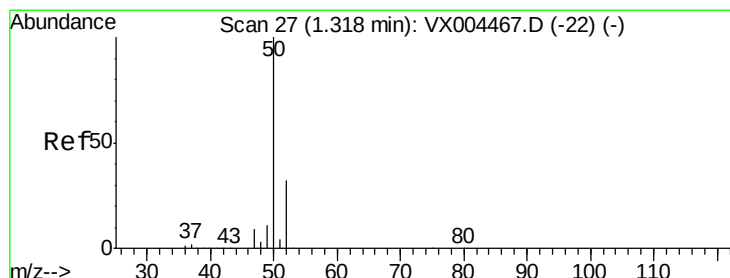
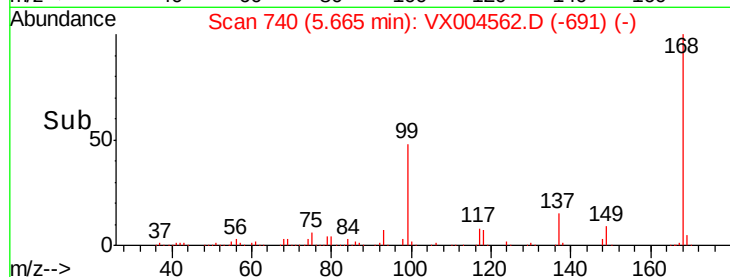
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.35 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004562.D

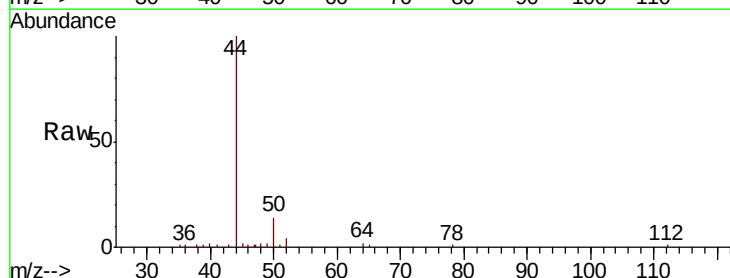
Acq: 15 Sep 2018 04:30

Tgt Ion: 50 Resp: 1302

Ion Ratio Lower Upper

50 100

52 29.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

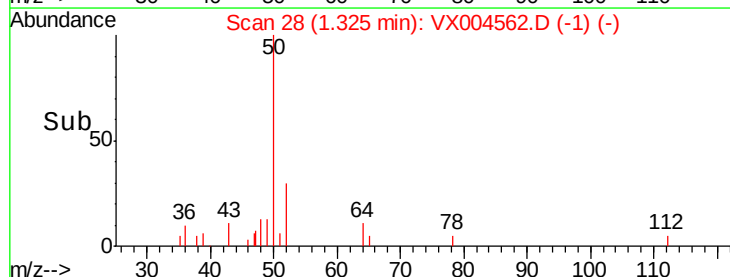
1.32

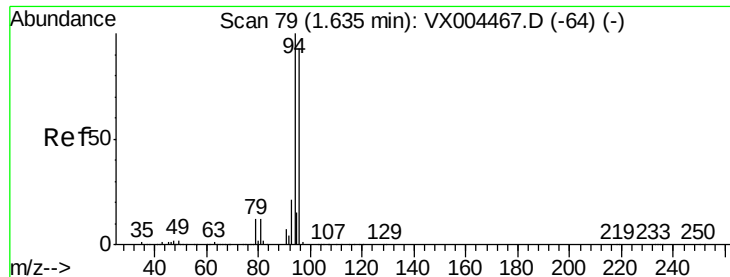
1000

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: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampled :

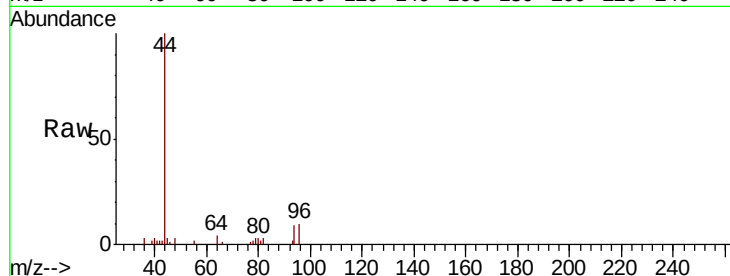
S13-0256

Tot Ion: 94 Resp: 1114

Ion Ratio Lower Upper

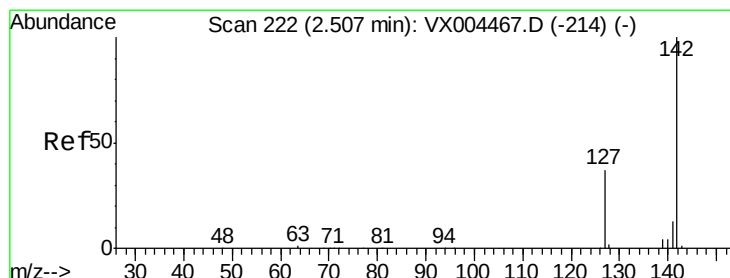
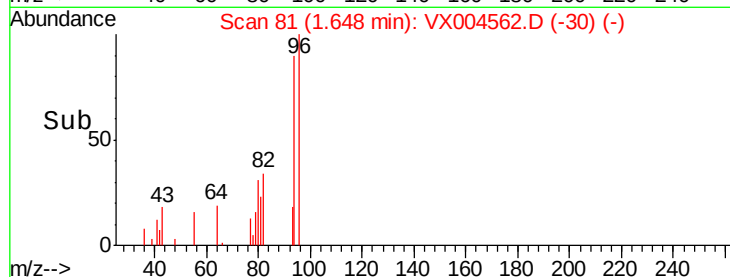
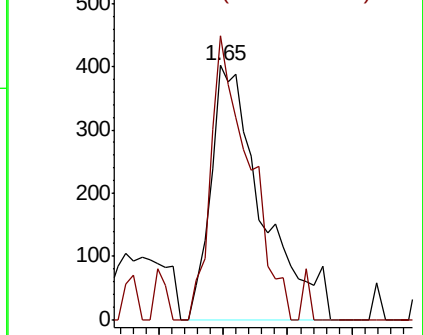
94 100

96 111.4 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: 4.38 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

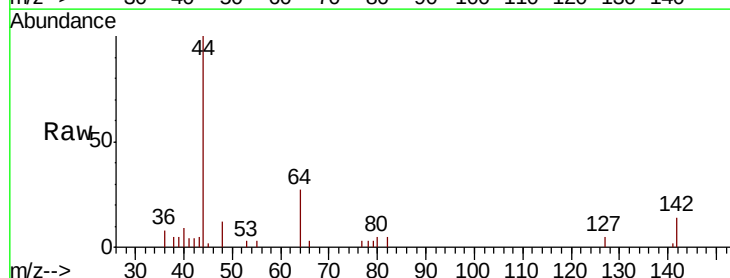
Tgt Ion: 142 Resp: 528

Ion Ratio Lower Upper

142 100

127 46.4 33.8 50.6

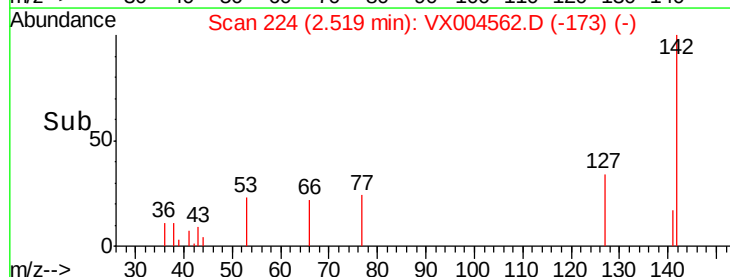
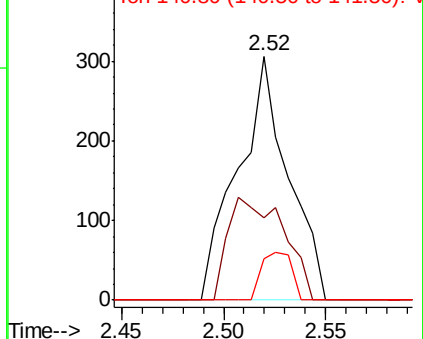
141 11.7 11.4 17.0

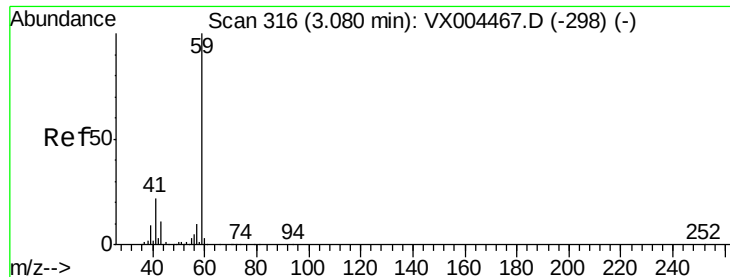


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.62 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

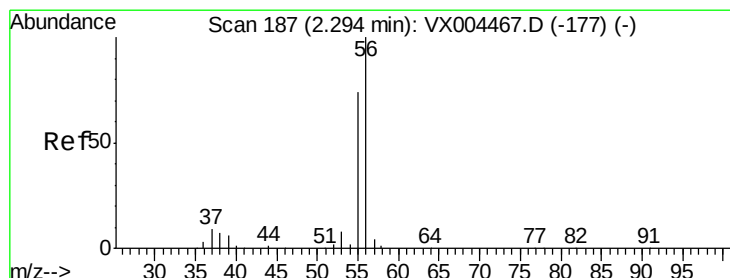
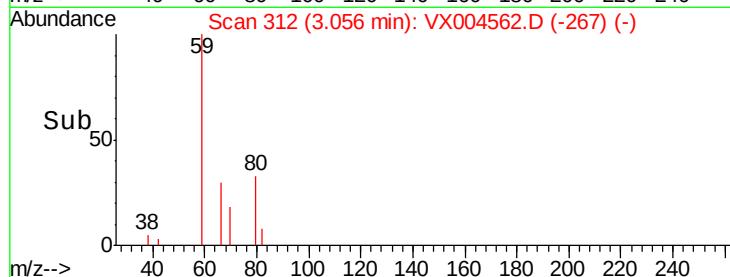
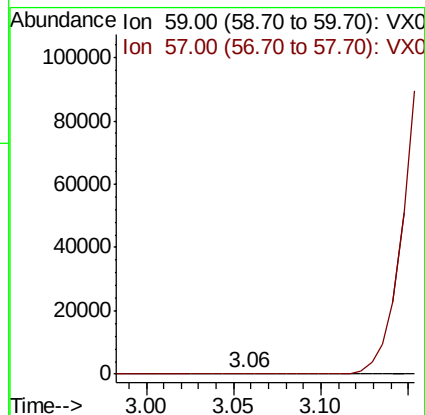
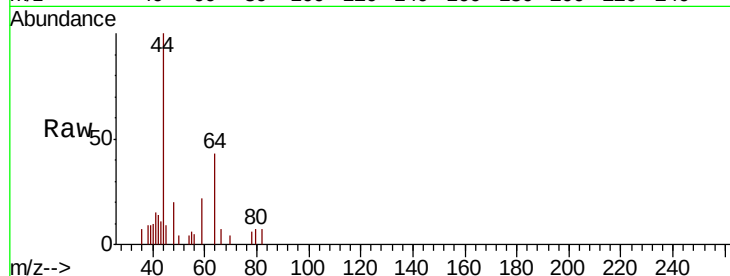
S13-0256

Tot Ion: 59 Resp: 547

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 23.36 ug/l

RT: 2.40 min Scan# 204

Delta R.T. 0.10 min

Lab File: VX004562.D

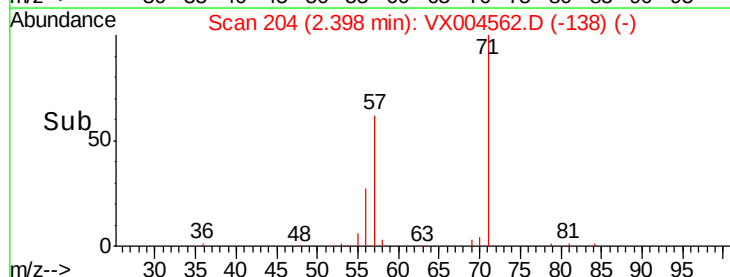
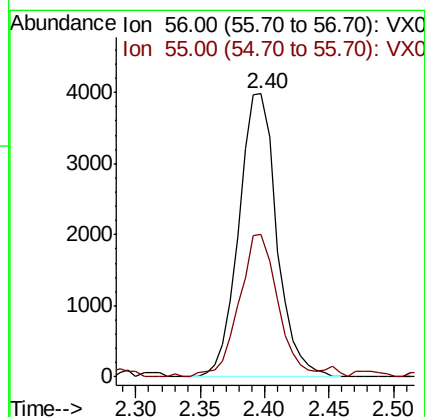
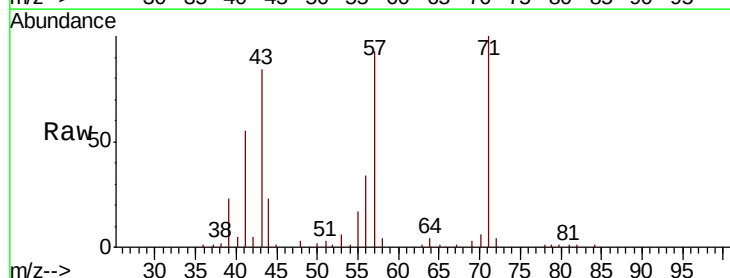
Acq: 15 Sep 2018 04:30

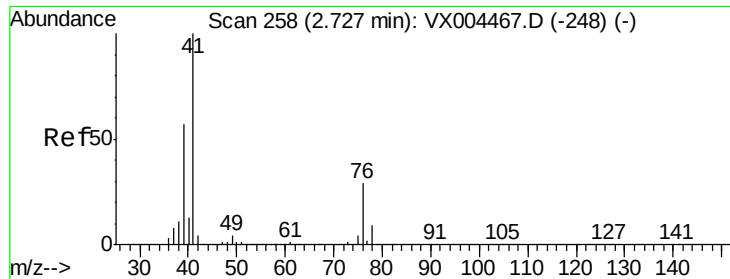
Tgt Ion: 56 Resp: 8127

Ion Ratio Lower Upper

56 100

55 51.3 54.7 82.1#





#14

Allvl chloride

Concen: 5.40 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

S13-0256

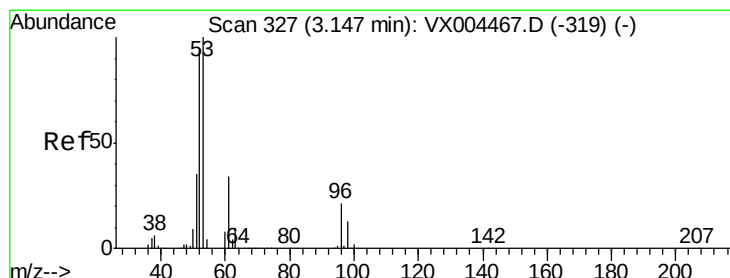
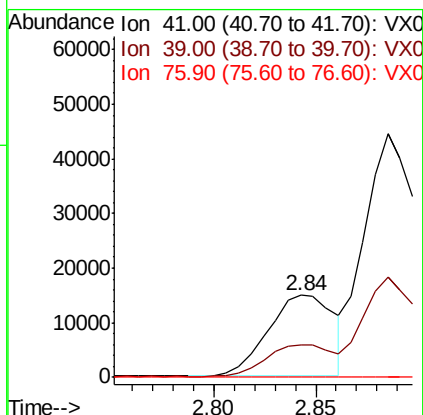
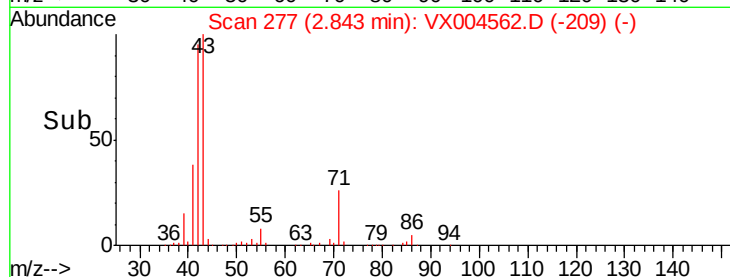
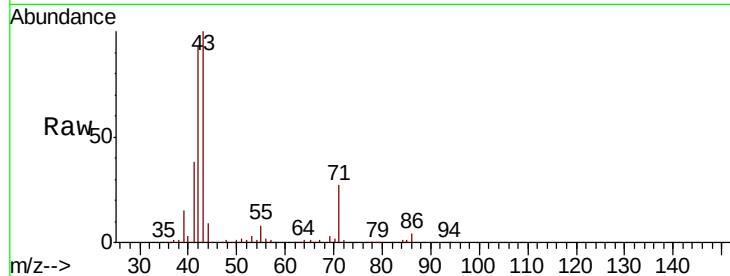
Tot Ion: 41 Resp: 33240

Ion Ratio Lower Upper

41 100

39 39.5 48.9 73.3#

76 0.0 26.7 40.1#



#15

Acrylonitrile

Concen: 4.85 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

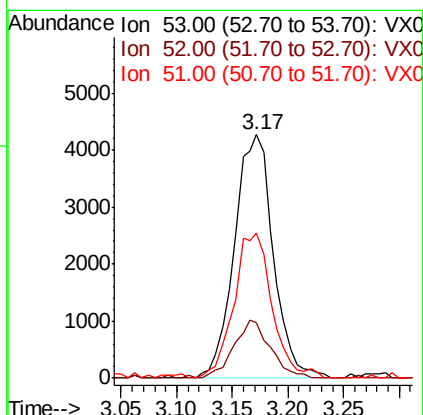
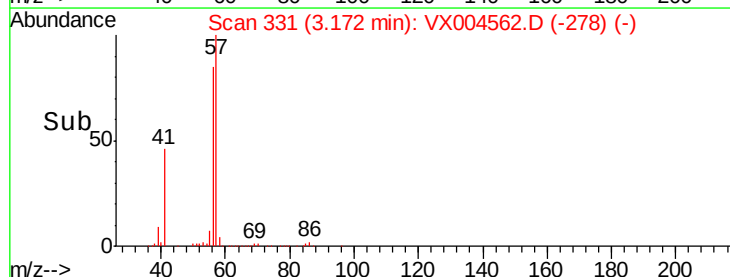
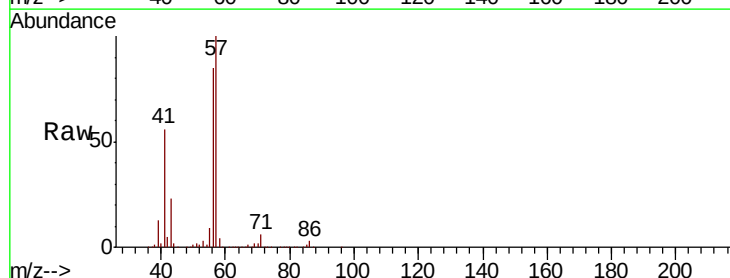
Tgt Ion: 53 Resp: 10294

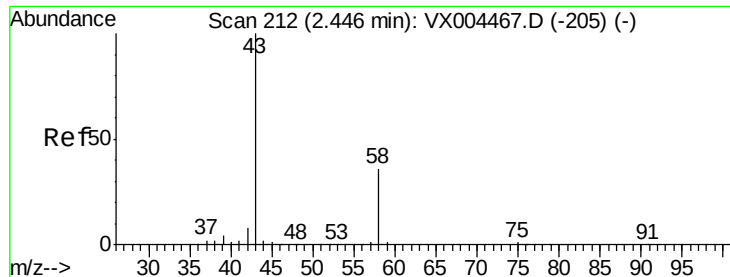
Ion Ratio Lower Upper

53 100

52 22.5 65.2 97.8#

51 58.7 28.2 42.2#





#16

Acetone

Concen: 2.09 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampled :

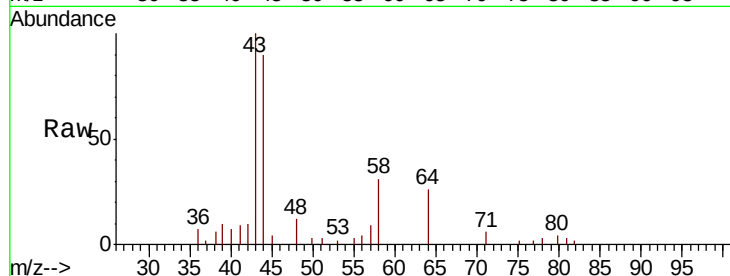
S13-0256

Tot Ion: 43 Resp: 3768

Ion Ratio Lower Upper

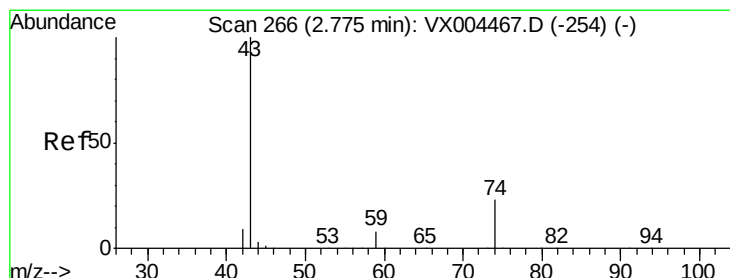
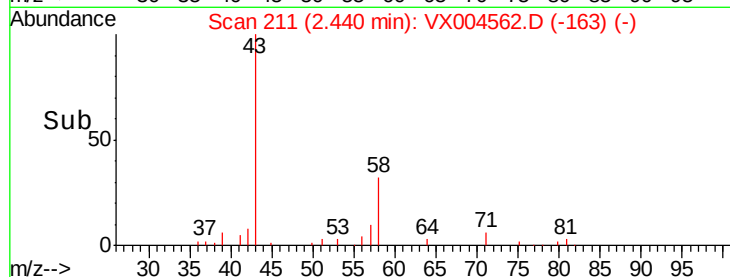
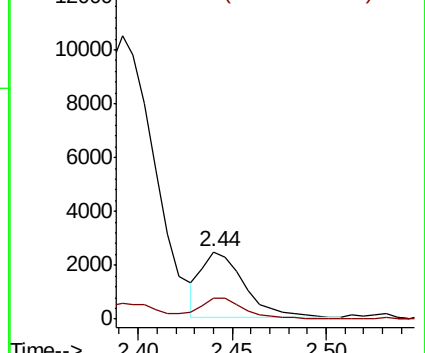
43 100

58 31.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 17.99 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.07 min

Lab File: VX004562.D

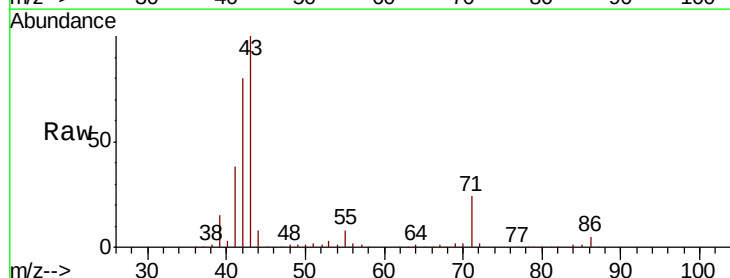
Acq: 15 Sep 2018 04:30

Tgt Ion: 43 Resp: 91011

Ion Ratio Lower Upper

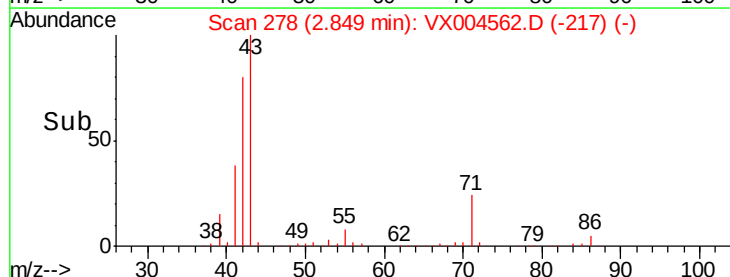
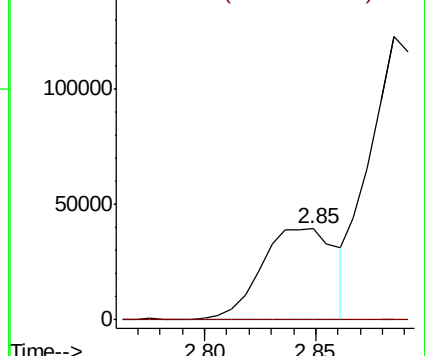
43 100

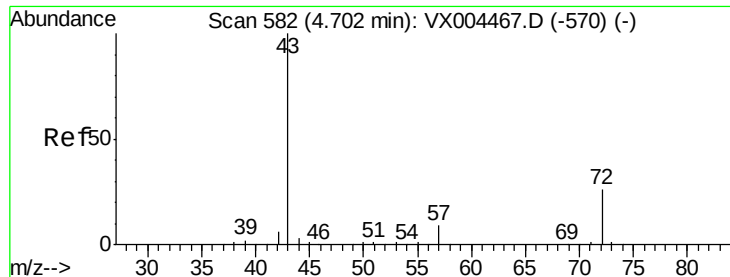
74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.38 ug/l

RT: 4.72 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampled :

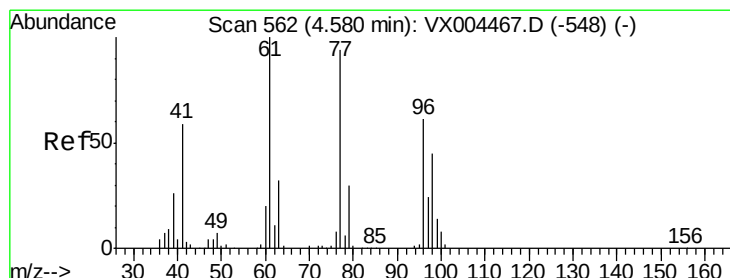
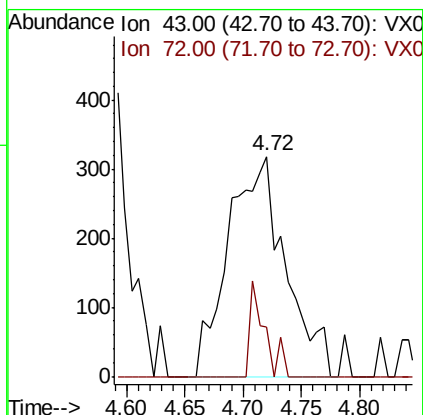
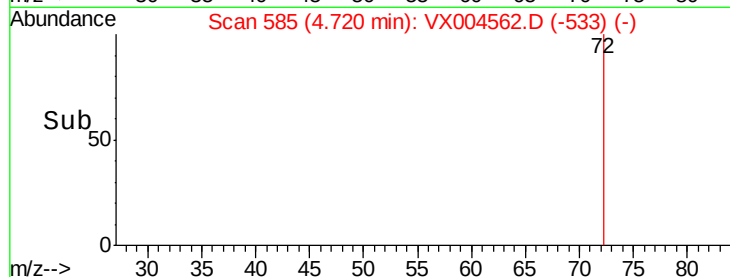
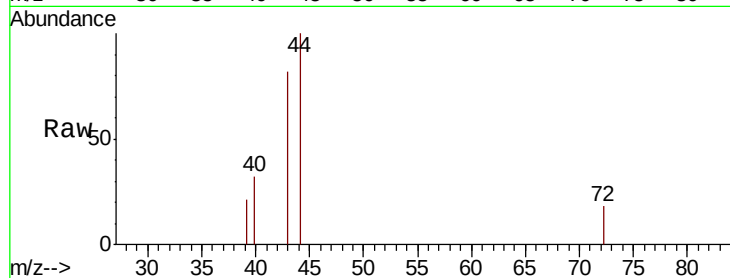
S13-0256

Tot Ion: 43 Resp: 1087

Ion Ratio Lower Upper

43 100

72 22.6 22.0 33.0



#26

2,2-Dichloropropane

Concen: 1.32 ug/l

RT: 4.38 min Scan# 530

Delta R.T. -0.20 min

Lab File: VX004562.D

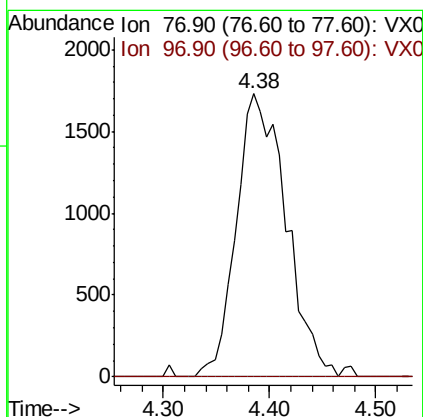
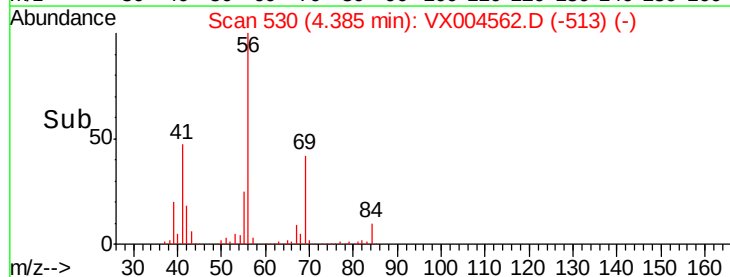
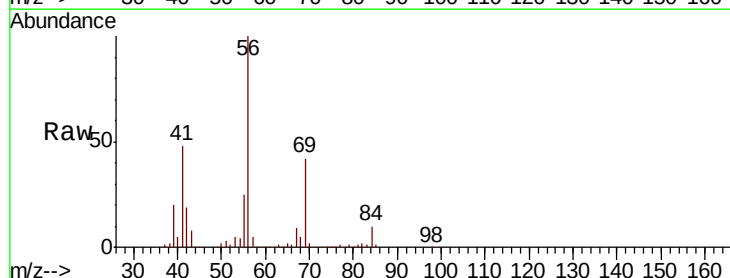
Acq: 15 Sep 2018 04:30

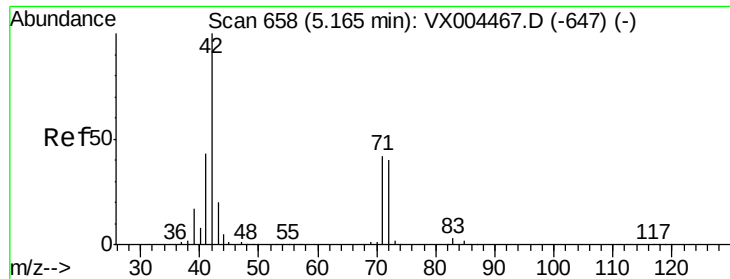
Tgt Ion: 77 Resp: 5653

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#





#29

Tetrahydrofuran

Concen: 1.11 ug/l

RT: 5.23 min Scan# 669

Delta R.T. 0.07 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampled :

S13-0256

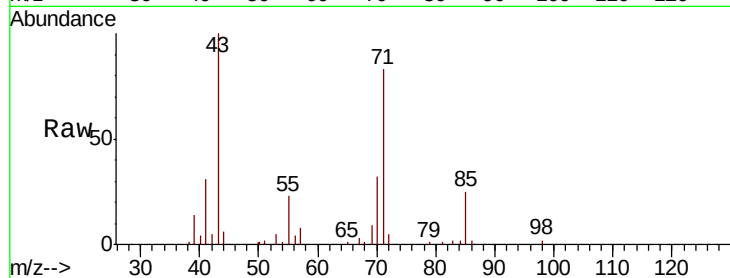
Tot Ion: 42 Resp: 1929

Ion Ratio Lower Upper

42 100

72 93.4 37.4 56.0#

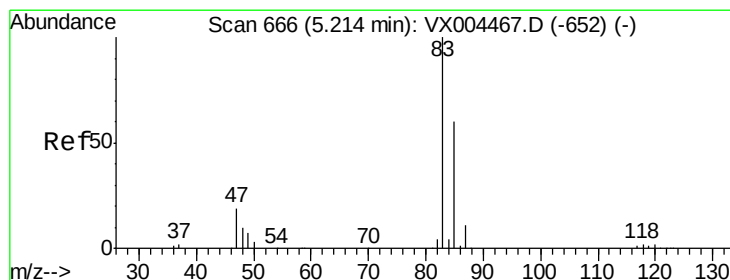
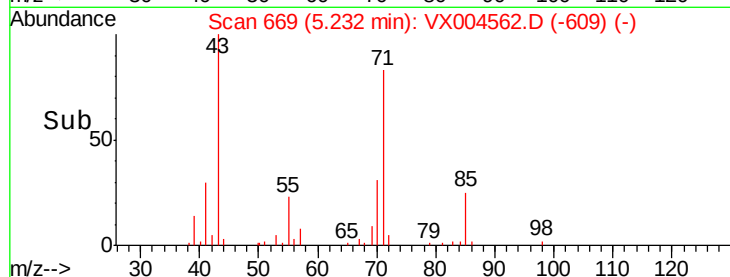
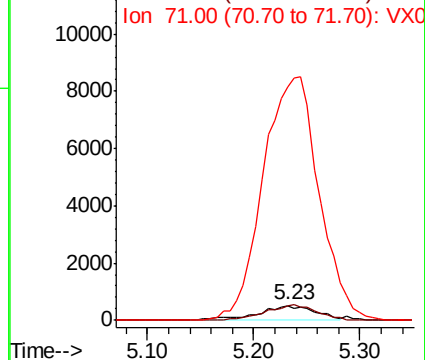
71 1605.8 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.27 ug/l

RT: 5.24 min Scan# 670

Delta R.T. 0.02 min

Lab File: VX004562.D

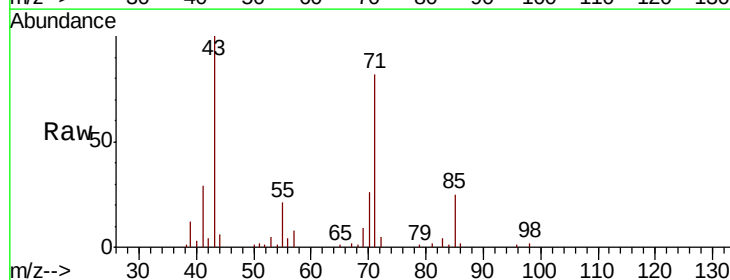
Acq: 15 Sep 2018 04:30

Tgt Ion: 83 Resp: 1679

Ion Ratio Lower Upper

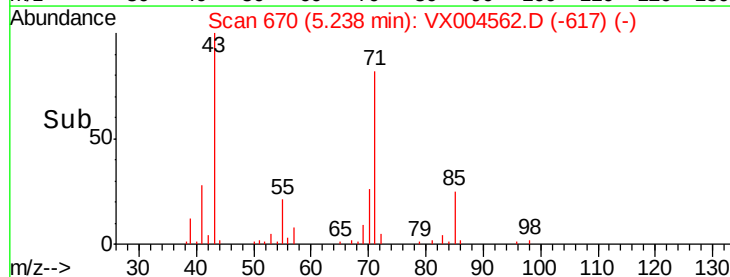
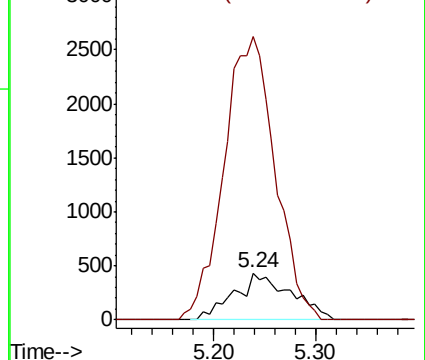
83 100

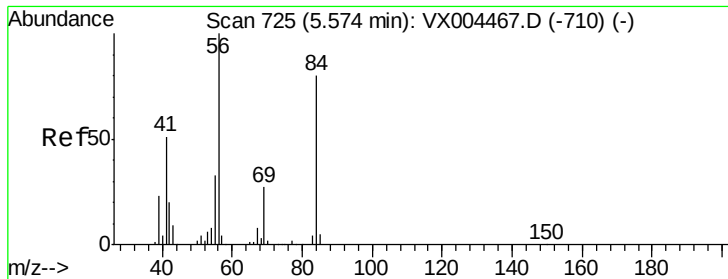
85 600.9 52.6 79.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 100.70 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampled :

S13-0256

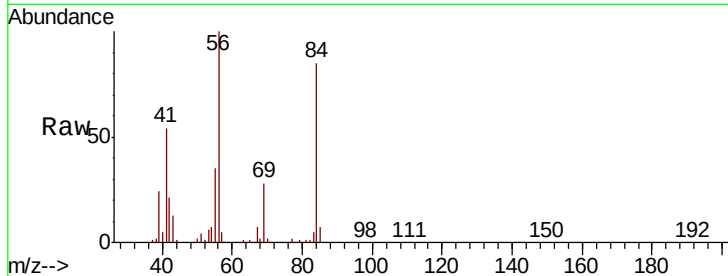
Tot Ion: 56 Resp: 538042

Ion Ratio Lower Upper

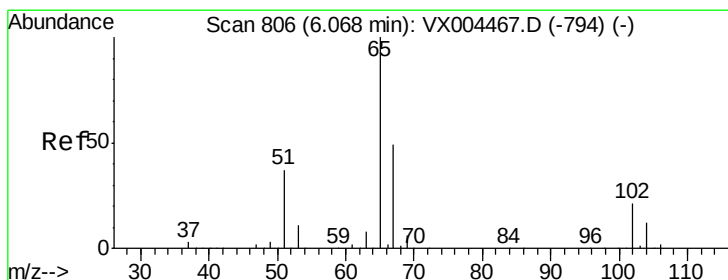
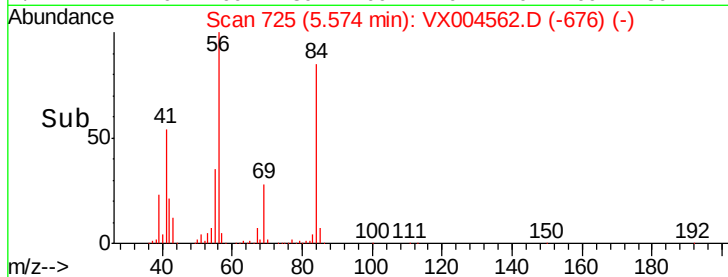
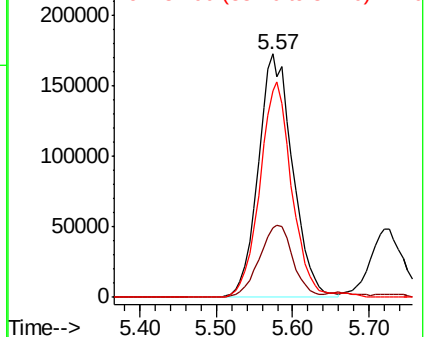
56 100

69 28.4 25.4 38.2

84 84.8 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.47 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004562.D

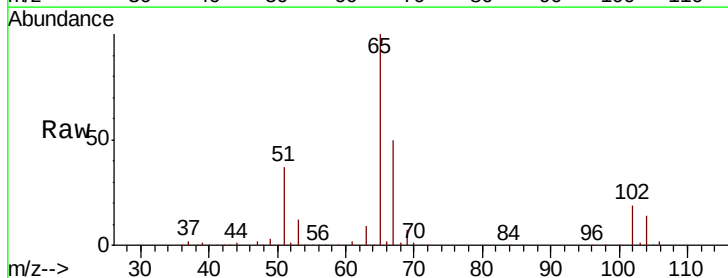
Acq: 15 Sep 2018 04:30

Tgt Ion: 65 Resp: 171653

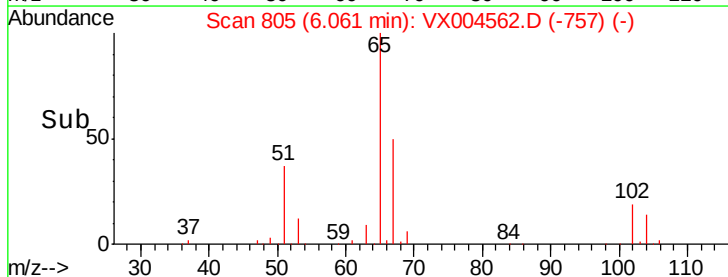
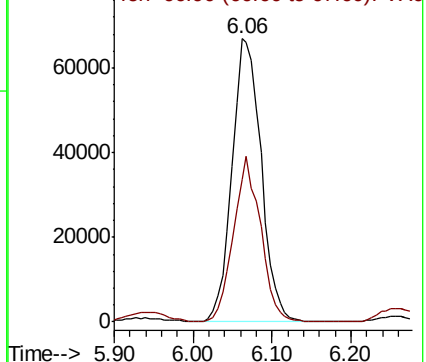
Ion Ratio Lower Upper

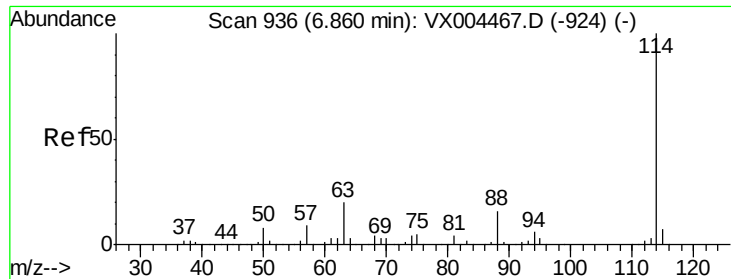
65 100

67 54.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

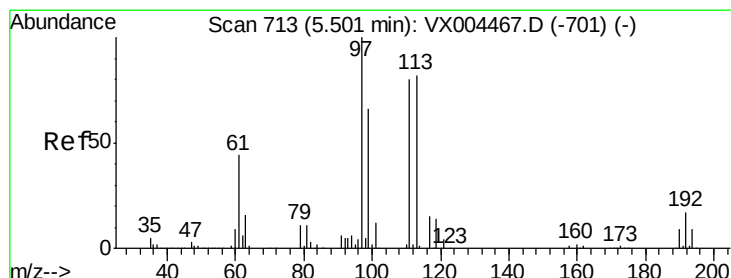
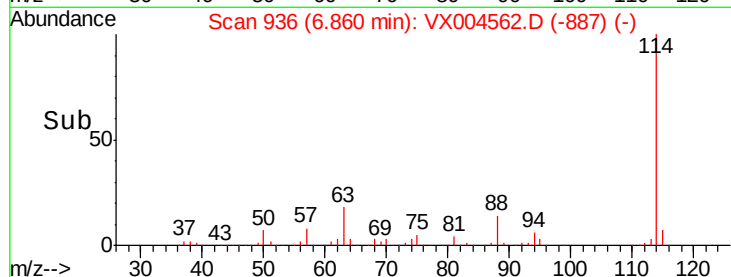
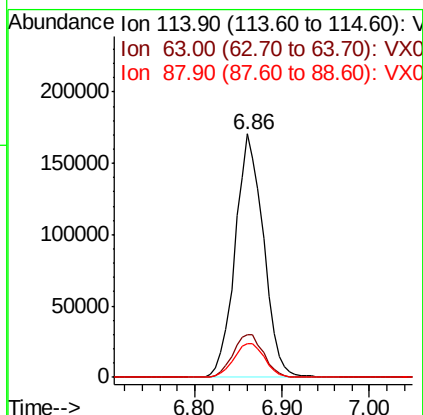
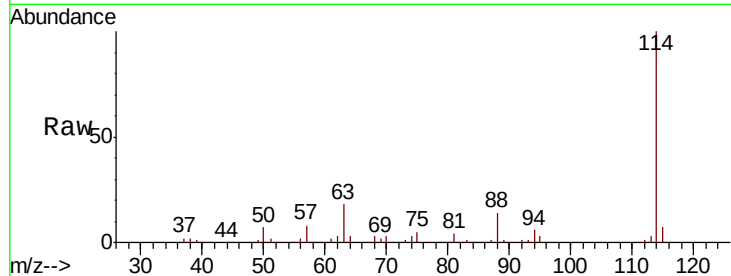




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004562.D
 Acq: 15 Sep 2018 04:30

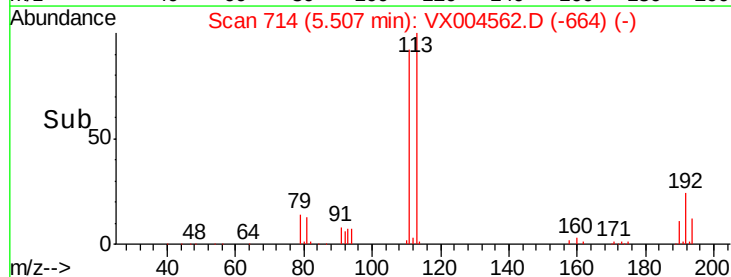
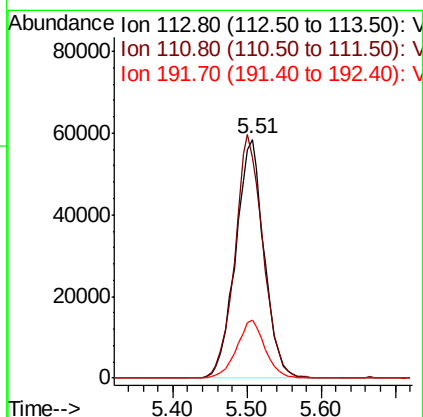
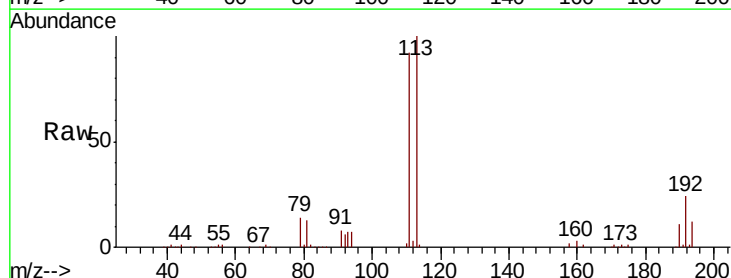
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0256

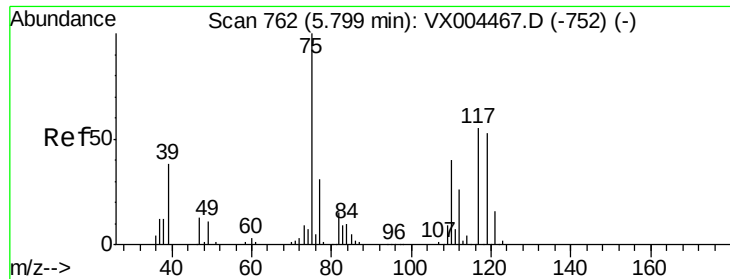
Tot Ion:114 Resp: 383493
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 39.0
 88 13.8 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 44.52 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004562.D
 Acq: 15 Sep 2018 04:30

Tgt Ion:113 Resp: 156229
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.4 123.6
 192 24.1 19.4 29.2

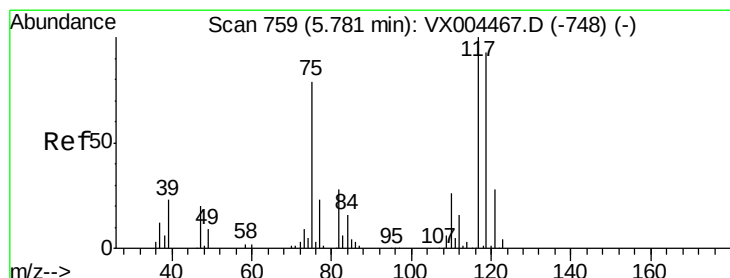
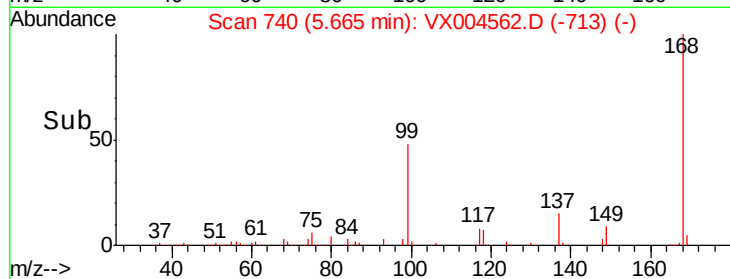
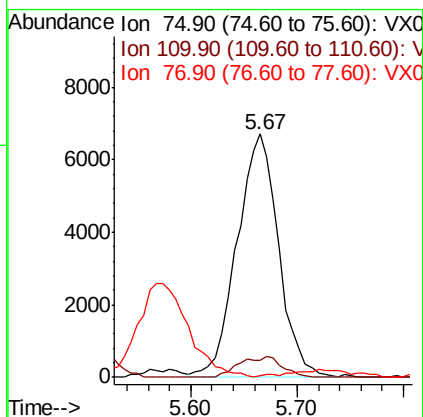
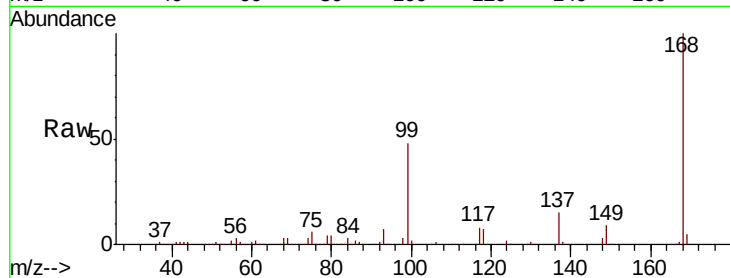




#36
 1,1-Dichloropropene
 Concen: 3.94 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004562.D
 Acq: 15 Sep 2018 04:30

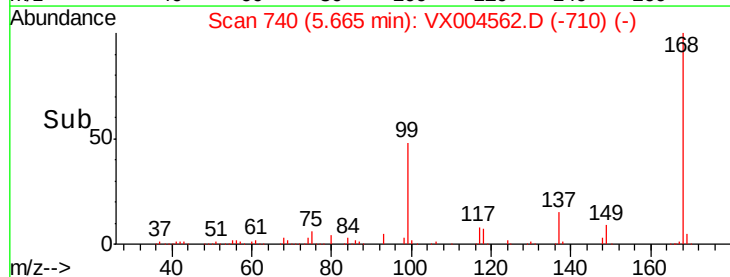
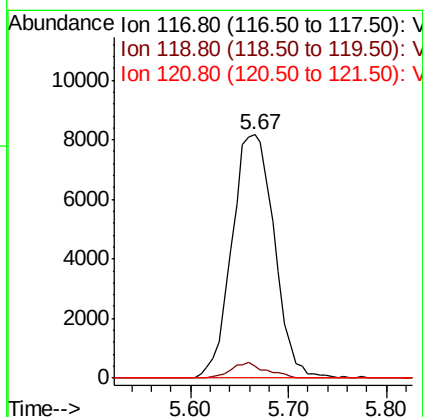
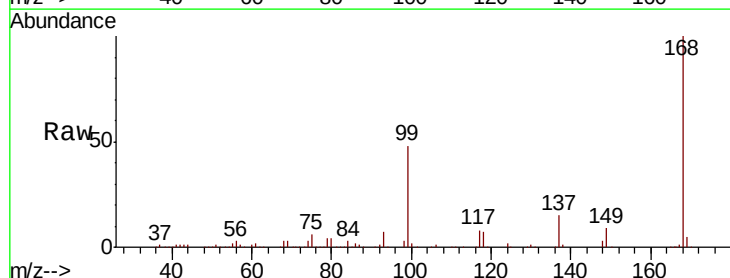
Instrument :
 MSVOA_X
 ClientSampled :
 S13-0256

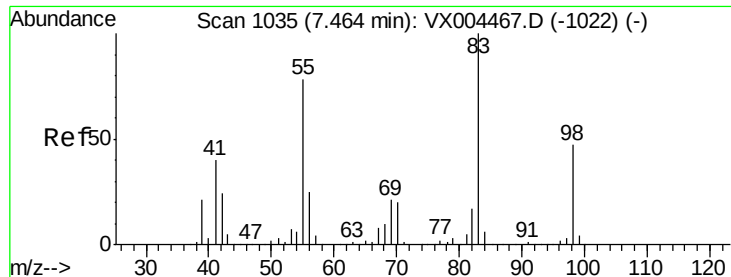
Tot Ion	75	Resp	18334
Ion Ratio	100	Lower	Upper
110	8.9	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.38 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004562.D
 Acq: 15 Sep 2018 04:30

Tgt Ion	117	Resp	24453
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	4.8	78.8	118.2#
121	0.0	24.9	37.3#

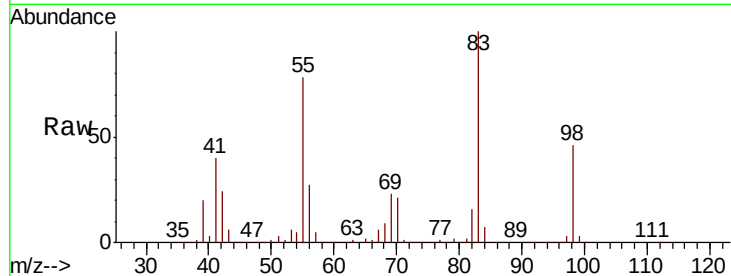




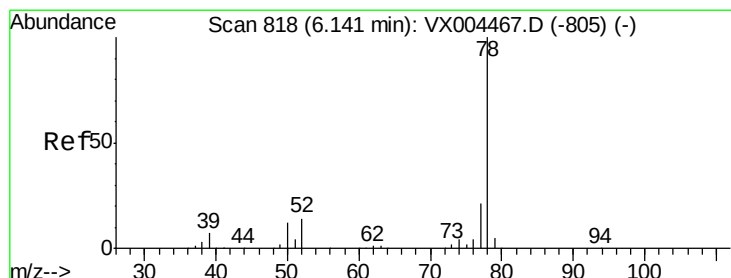
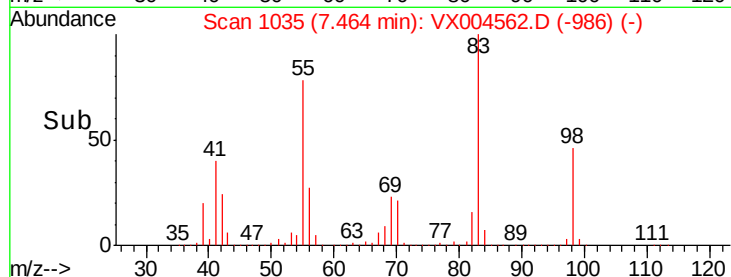
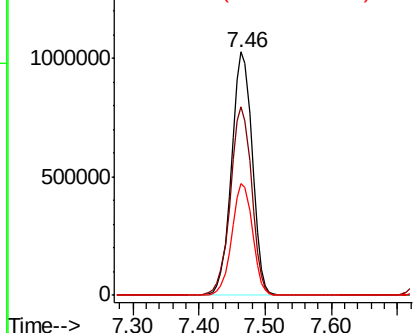
#39
Methylvlcyclohexane
Concen: 458.32 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Instrument :
MSVOA_X
ClientSampled :
S13-0256

Tot Ion: 83 Resp: 2226728
Ion Ratio Lower Upper
83 100
55 77.6 61.0 91.4
98 45.8 39.6 59.4

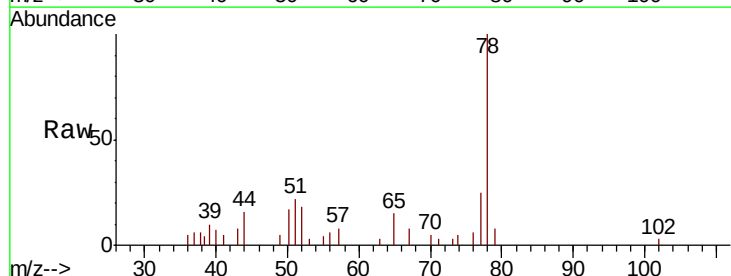


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

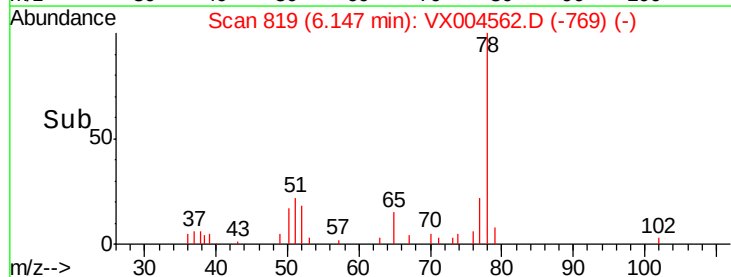
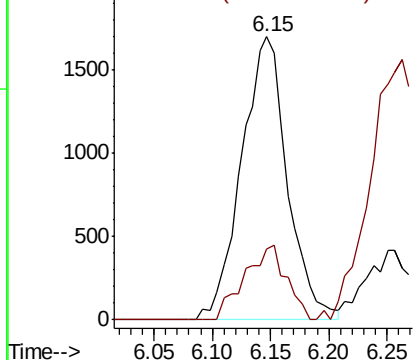


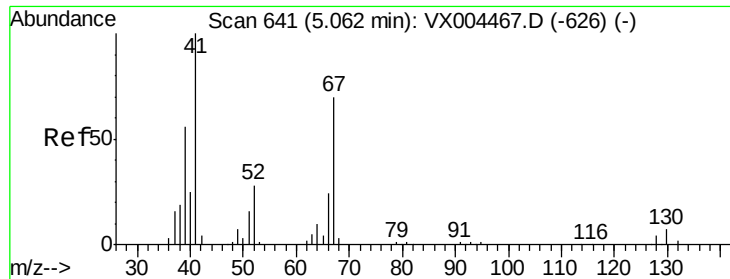
#40
Benzene
Concen: 0.34 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion: 78 Resp: 4665
Ion Ratio Lower Upper
78 100
77 25.2 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: 3.75 ug/l

RT: 5.23 min Scan# 669

Delta R.T. 0.17 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

S13-0256

Tot Ion: 41 Resp: 10950

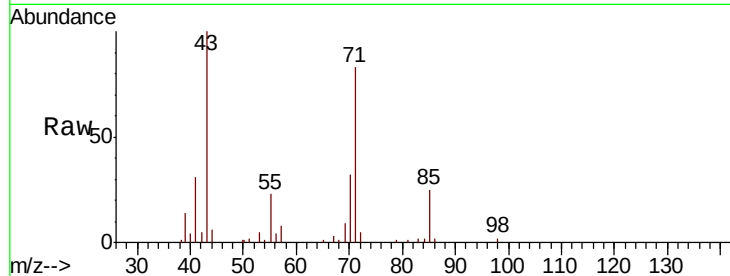
Ion Ratio Lower Upper

41 100

39 48.7 42.4 63.6

67 7.5 59.2 88.8#

52 0.0 23.0 34.4#

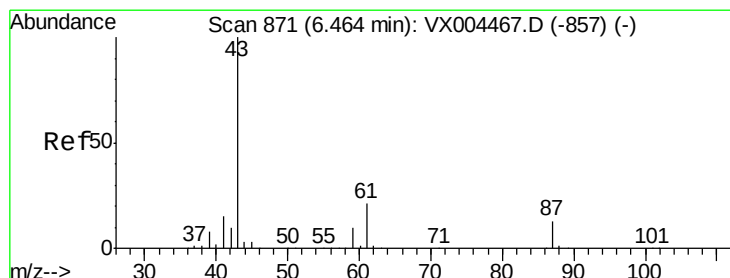
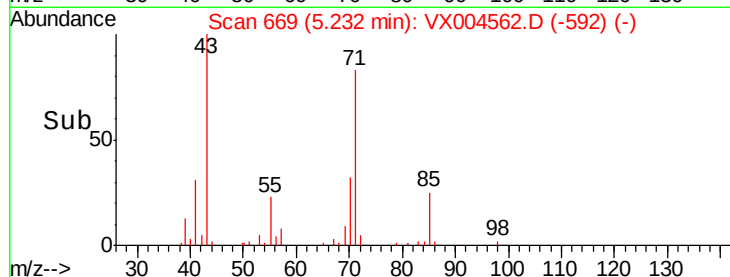
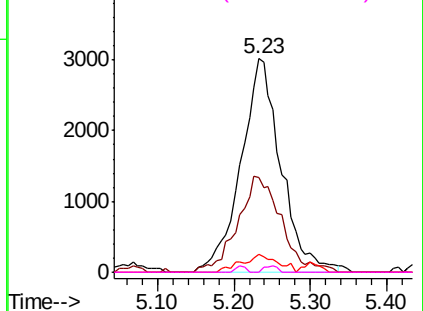


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 3.89 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

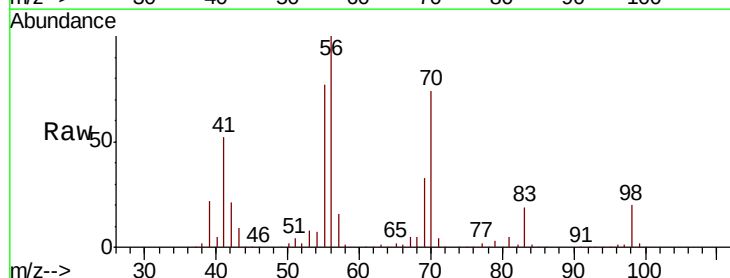
Tgt Ion: 43 Resp: 27346

Ion Ratio Lower Upper

43 100

61 2.0 17.0 25.4#

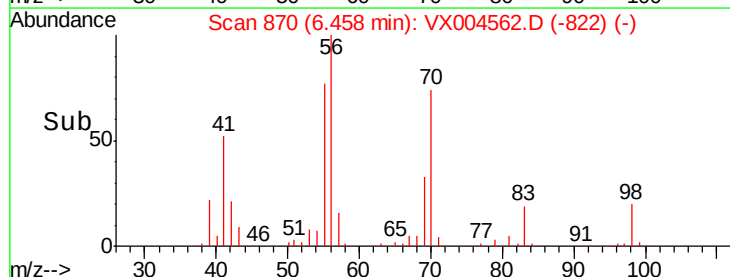
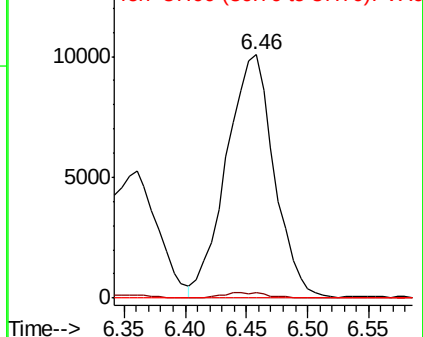
87 0.0 11.4 17.2#

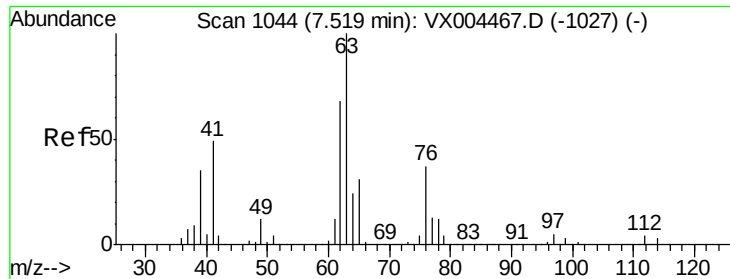


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

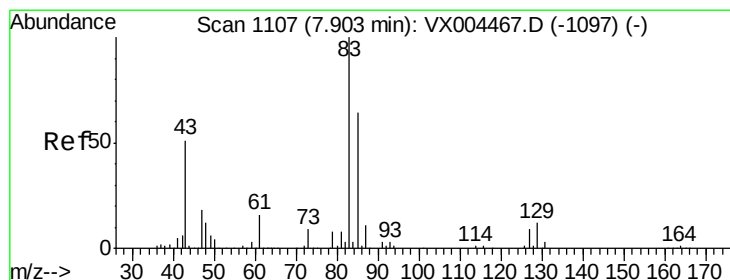
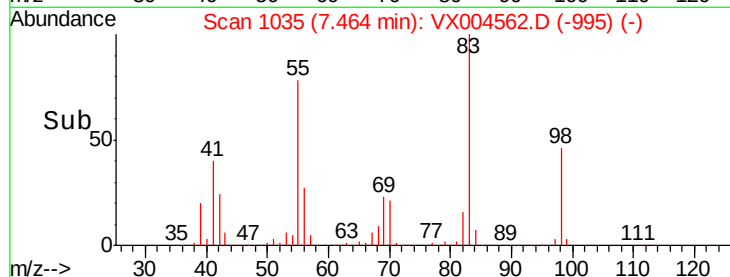
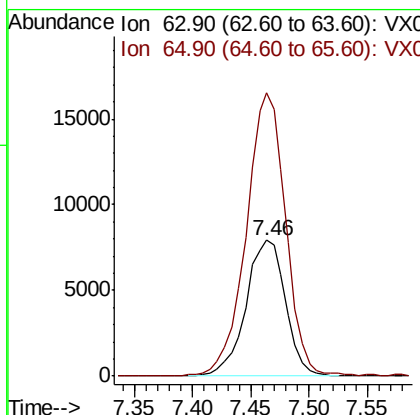
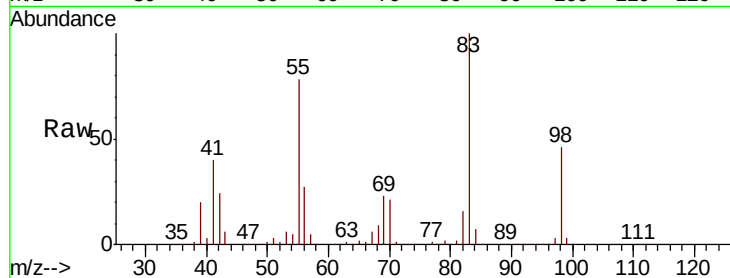




#45
 1,2-Dichloropropane
 Concen: 5.65 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.05 min
 Lab File: VX004562.D
 Acq: 15 Sep 2018 04:30

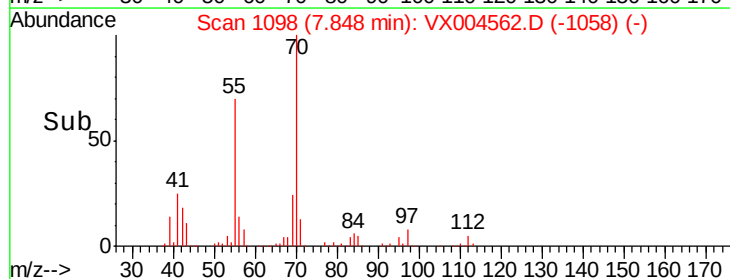
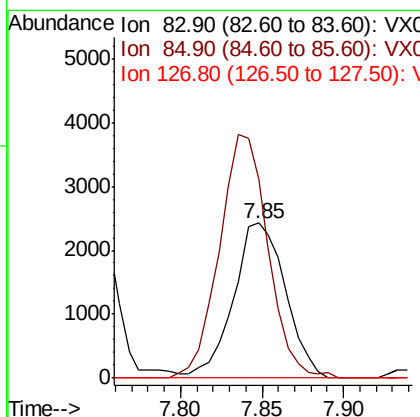
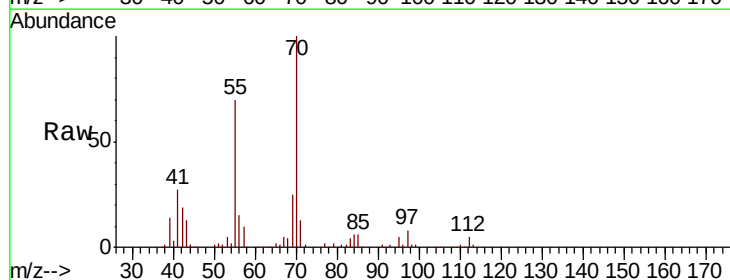
Instrument :
 MSVOA_X
 ClientSampled :
 S13-0256

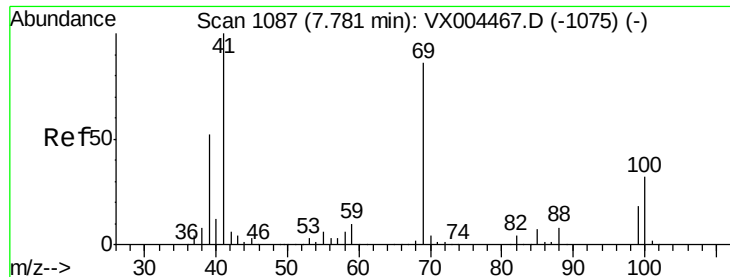
Tot Ion: 63 Resp: 18772
 Ion Ratio Lower Upper
 63 100
 65 207.6 24.3 36.5#



#47
 Bromodichloromethane
 Concen: 1.35 ug/l
 RT: 7.85 min Scan# 1098
 Delta R.T. -0.05 min
 Lab File: VX004562.D
 Acq: 15 Sep 2018 04:30

Tgt Ion: 83 Resp: 5356
 Ion Ratio Lower Upper
 83 100
 85 128.0 50.9 76.3#
 127 0.0 7.3 10.9#

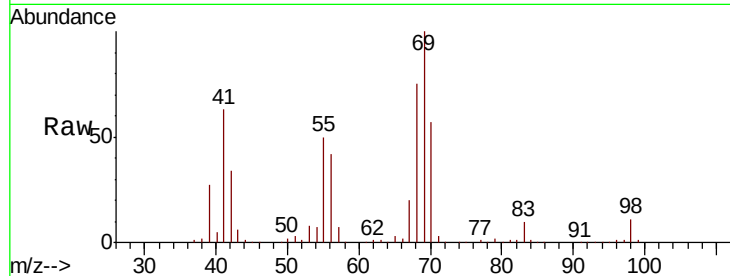




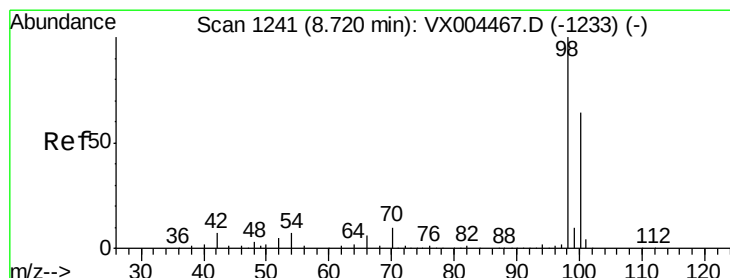
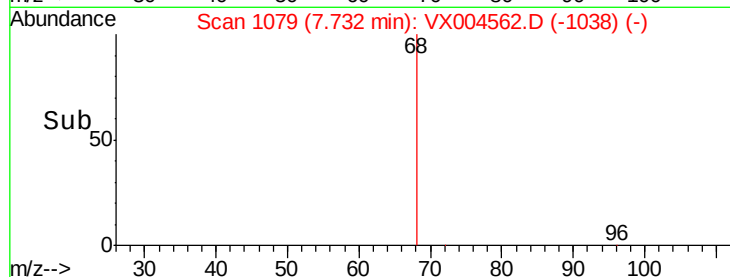
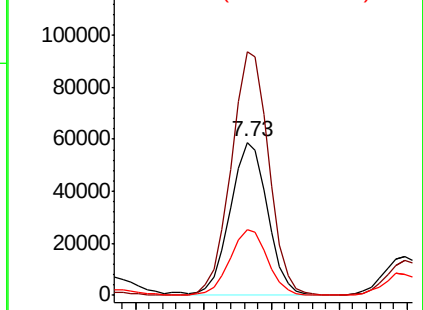
#48
Methvl methacrylate
Concen: 31.97 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.05 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Instrument :
MSVOA_X
ClientSampleId :
S13-0256

Tot Ion: 41 Resp: 111274
Ion Ratio Lower Upper
41 100
69 161.4 70.2 105.4#
39 43.5 42.7 64.1

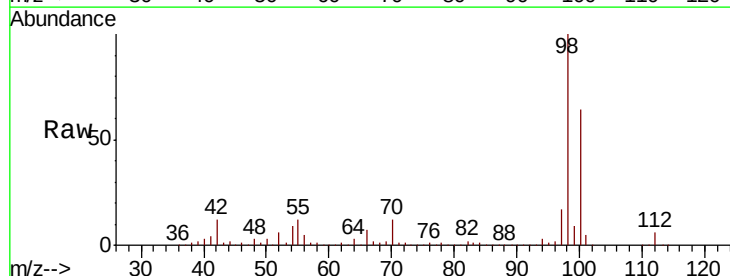


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

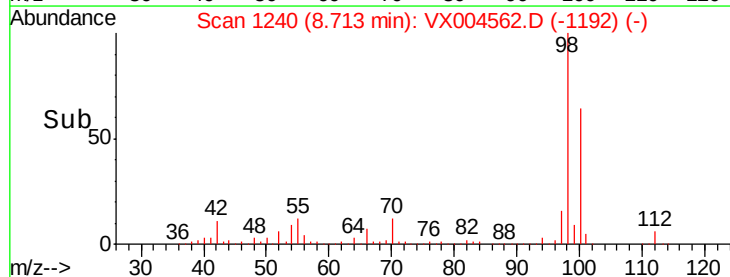
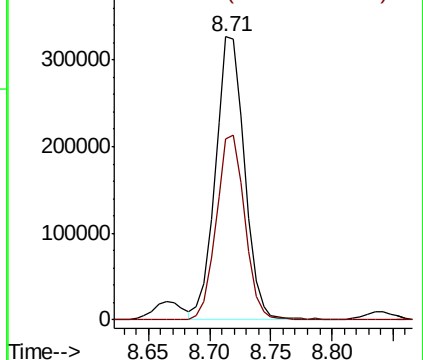


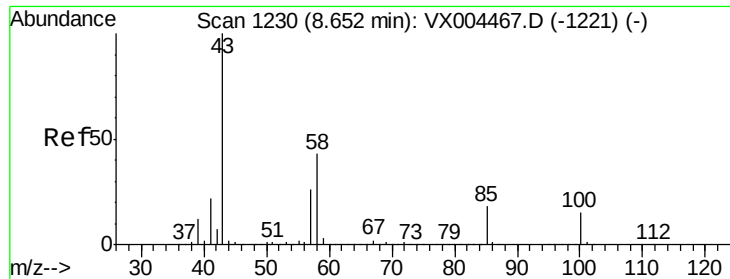
#50
Toluene-d8
Concen: 46.07 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion: 98 Resp: 542225
Ion Ratio Lower Upper
98 100
100 64.1 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: 9.32 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampled :

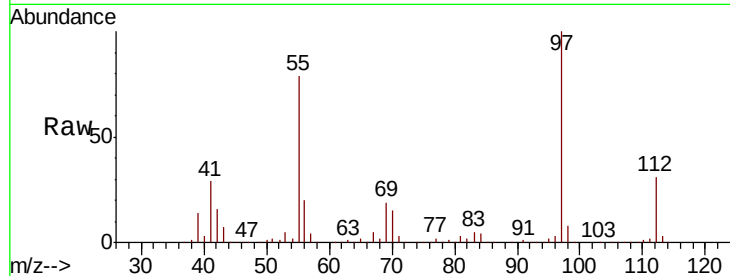
S13-0256

Tot Ion: 43 Resp: 46270

Ion Ratio Lower Upper

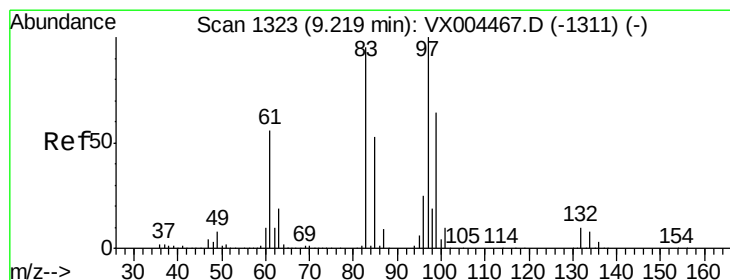
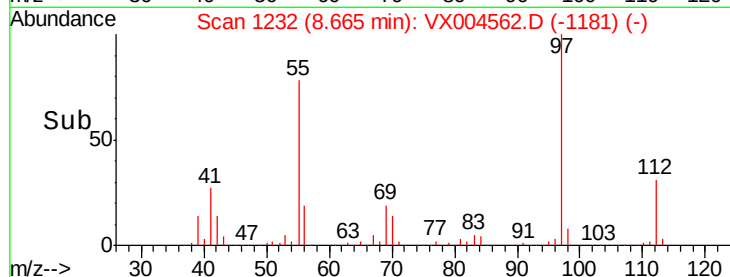
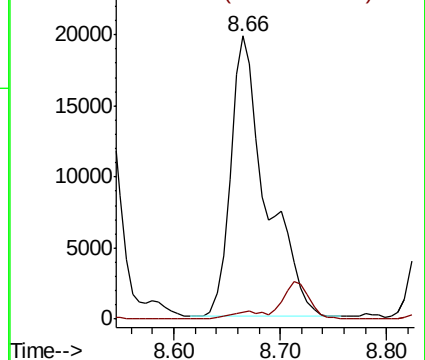
43 100

58 2.5 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: 57.73 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Tgt Ion: 97 Resp: 202306

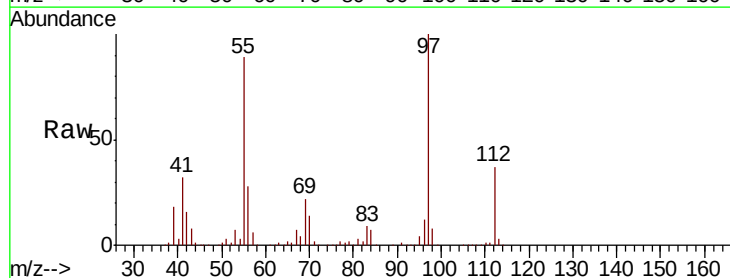
Ion Ratio Lower Upper

97 100

83 8.4 66.4 99.6#

85 0.3 43.3 64.9#

99 0.3 49.0 73.4#

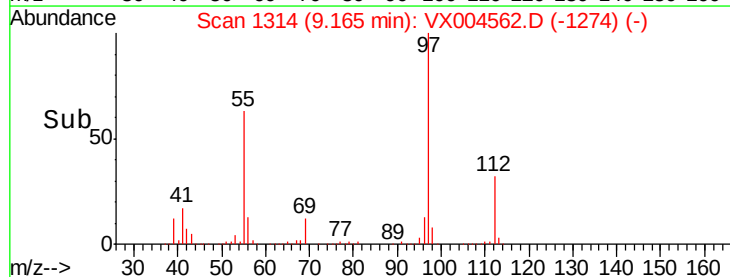
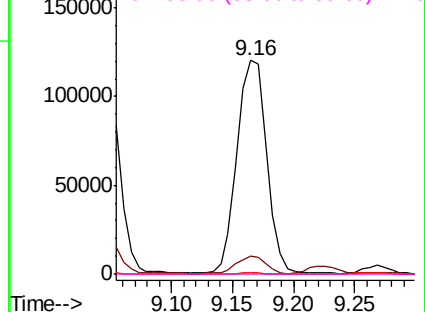


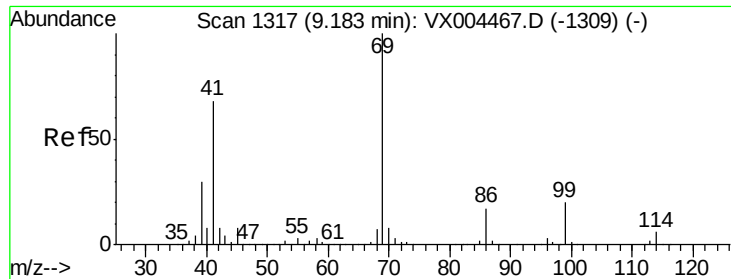
Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 8.69 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampled :

S13-0256

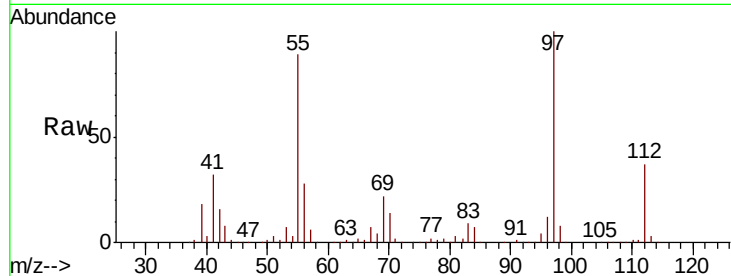
Tot Ion: 69 Resp: 43091

Ion Ratio Lower Upper

69 100

41 145.0 51.0 76.4#

39 75.4 26.1 39.1#

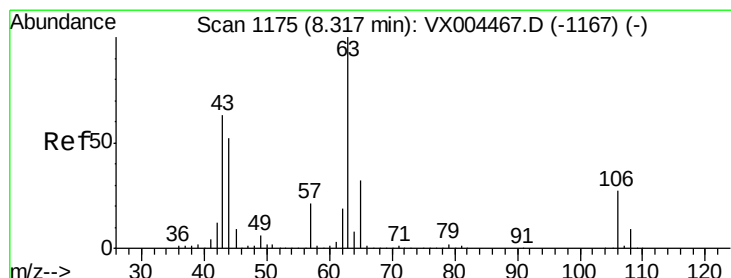
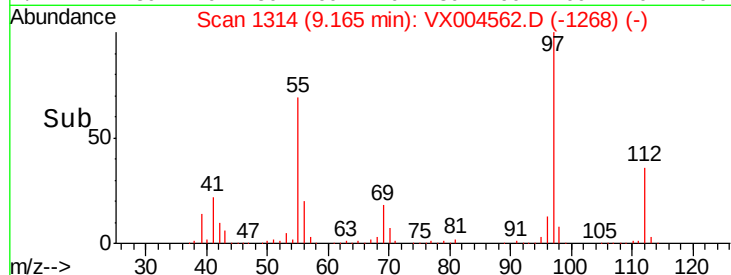
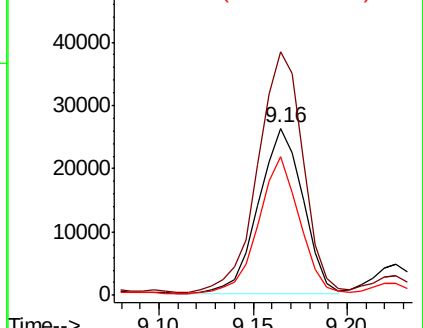


Abundance

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: 8.32 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VX004562.D

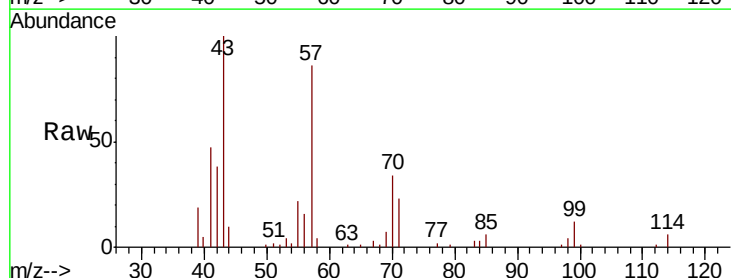
Acq: 15 Sep 2018 04:30

Tgt Ion: 63 Resp: 49

Ion Ratio Lower Upper

63 100

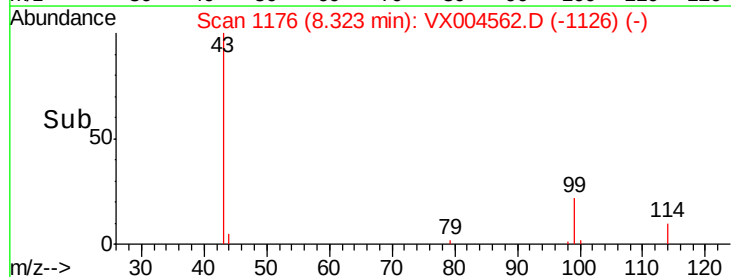
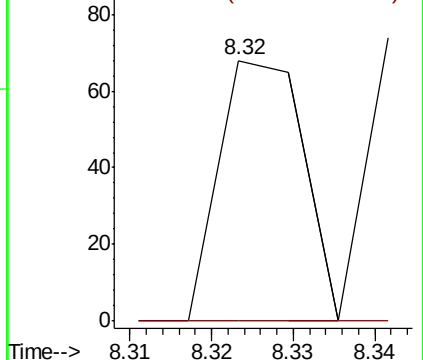
106 0.0 23.9 35.9#

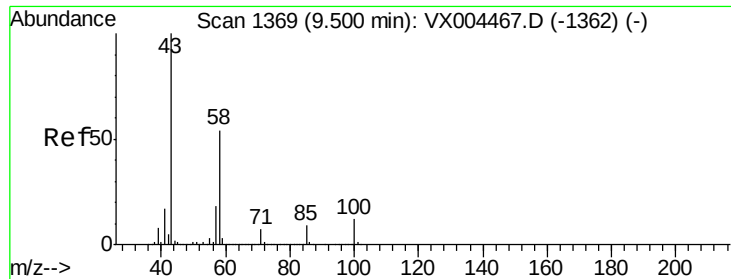


Abundance

Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

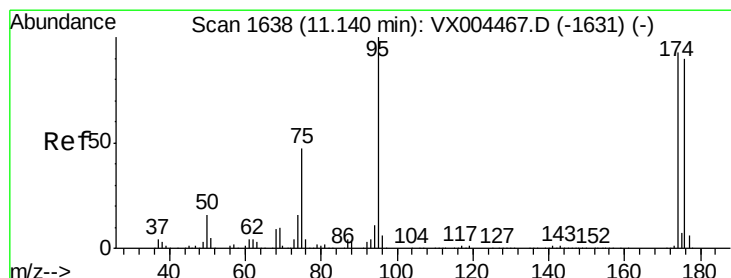
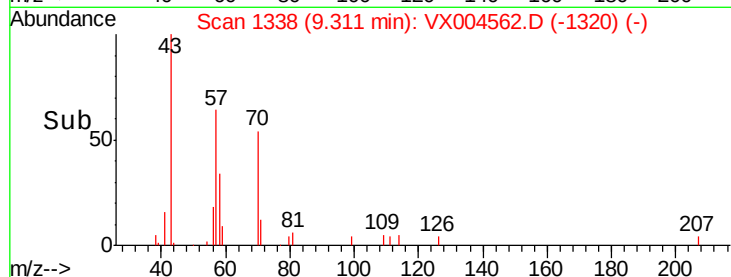
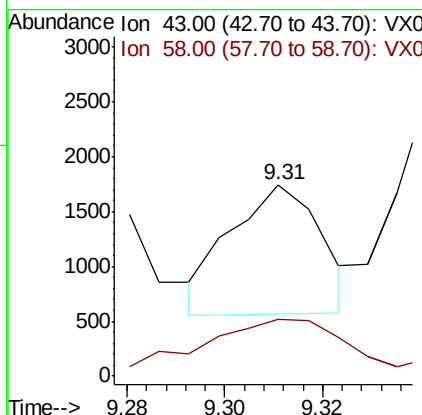
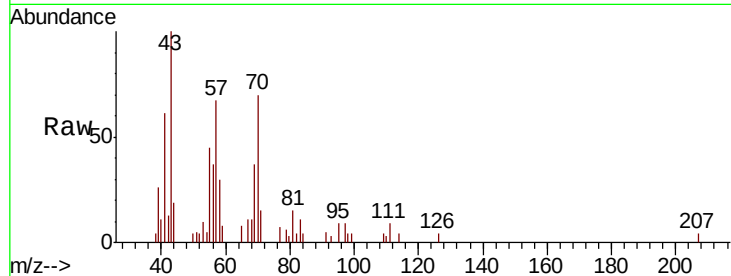




#59
2-Hexanone
Concen: 0.40 ug/l
RT: 9.31 min Scan# 1338
Delta R.T. -0.19 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

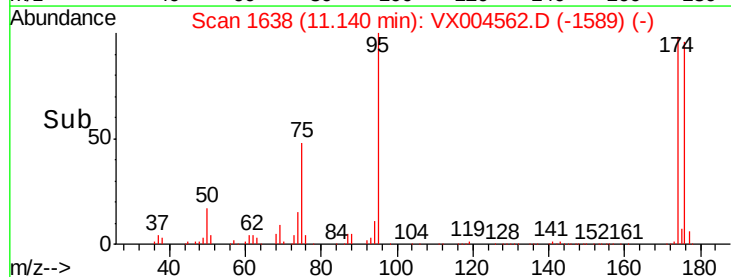
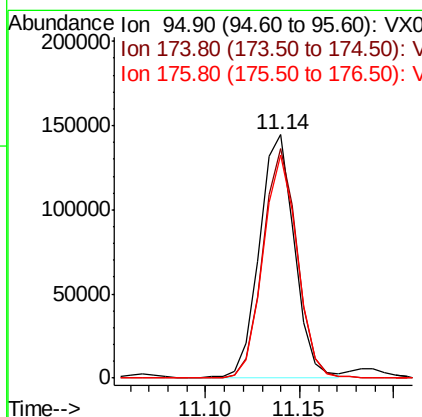
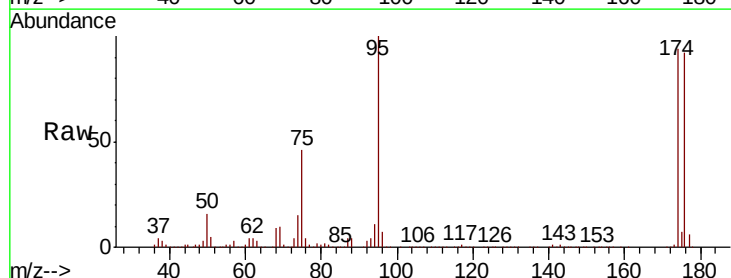
Instrument :
MSVOA_X
ClientSampled :
S13-0256

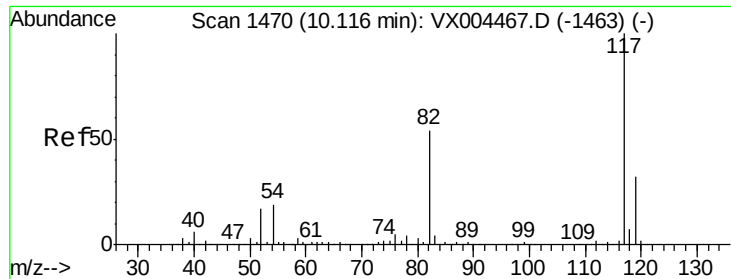
Tot Ion: 43 Resp: 1517
Ion Ratio Lower Upper
43 100
58 82.0 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 44.24 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion: 95 Resp: 185840
Ion Ratio Lower Upper
95 100
174 92.8 0.0 185.2
176 90.2 0.0 178.6

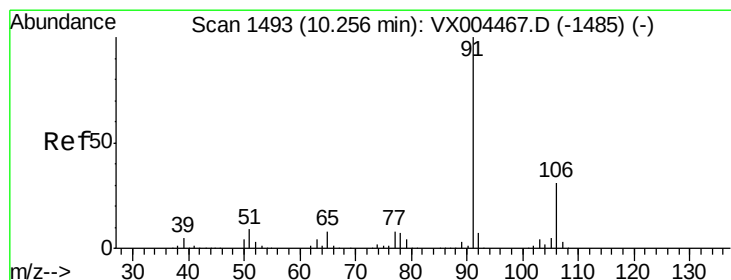
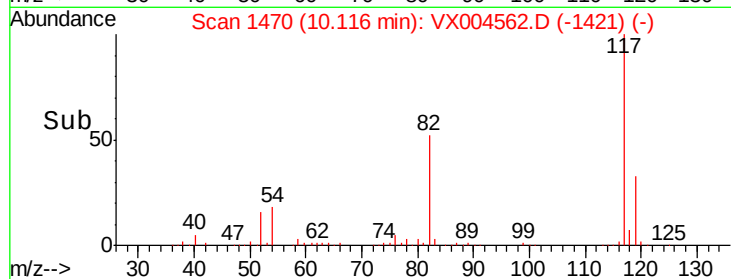
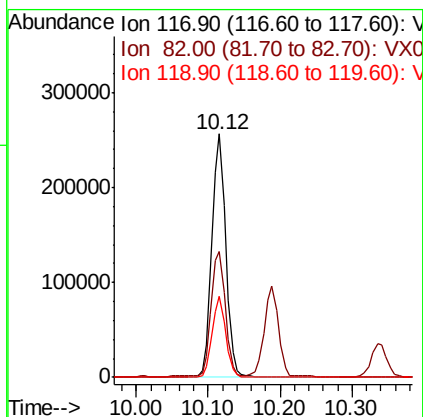
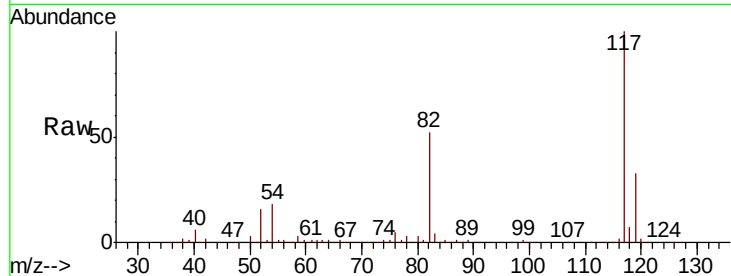




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

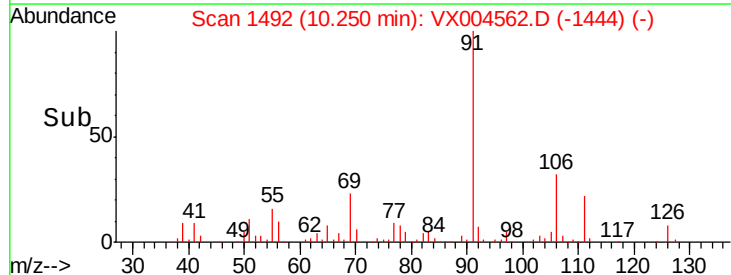
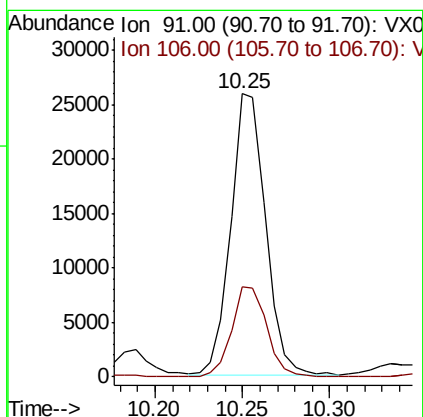
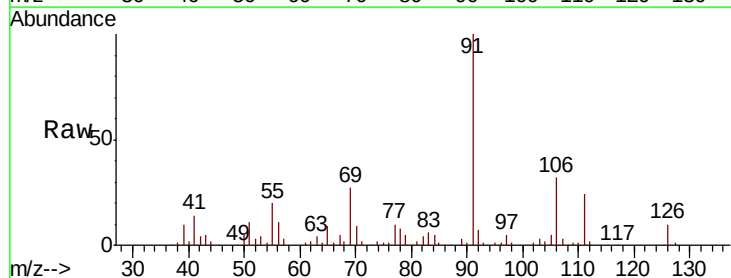
Instrument :
MSVOA_X
ClientSampleId :
S13-0256

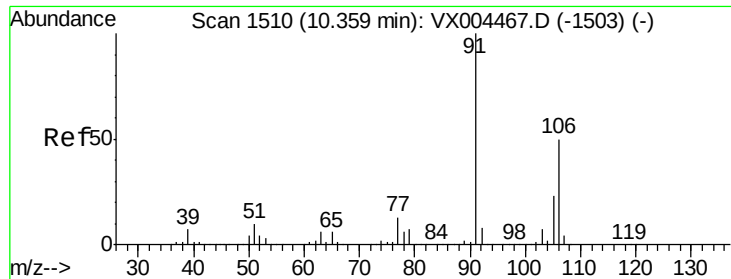
Tot Ion:117 Resp: 341704
Ion Ratio Lower Upper
117 100
82 51.8 47.8 71.6
119 33.2 29.3 43.9



#67
Ethyl Benzene
Concen: 2.61 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion: 91 Resp: 35966
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9





#68

m/p-Xvlenes

Concen: 0.24 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

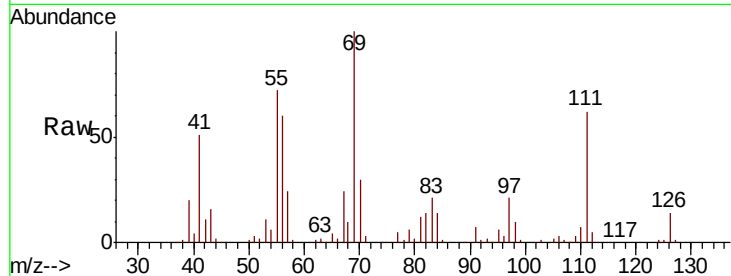
S13-0256

Tot Ion:106 Resp: 1296

Ion Ratio Lower Upper

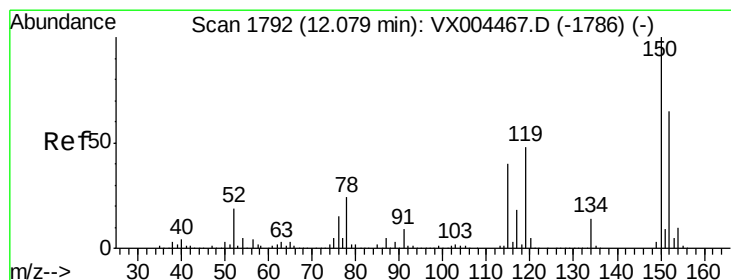
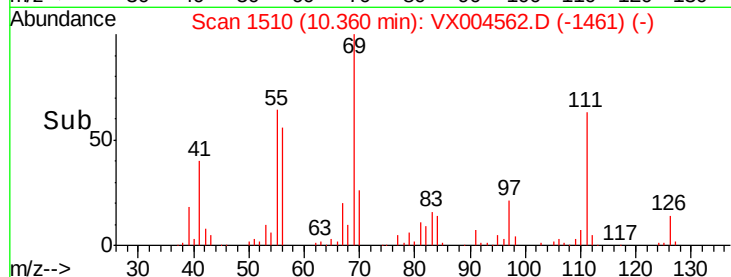
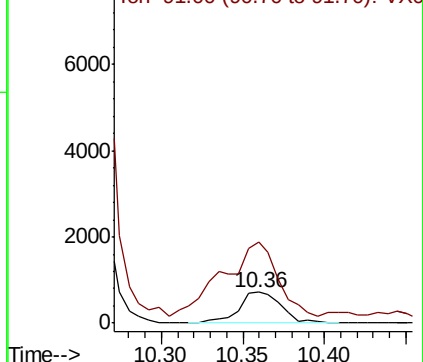
106 100

91 316.4 157.1 235.7#



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: VX004562.D

Acq: 15 Sep 2018 04:30

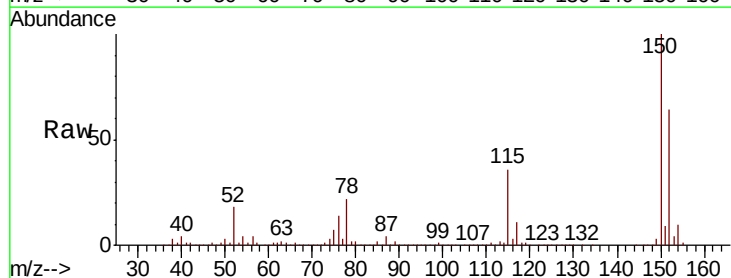
Tgt Ion:152 Resp: 197807

Ion Ratio Lower Upper

152 100

115 56.6 39.0 117.0

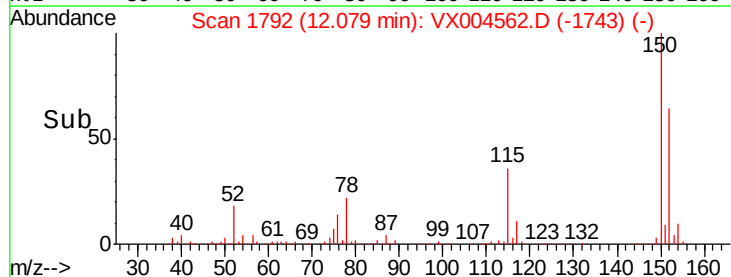
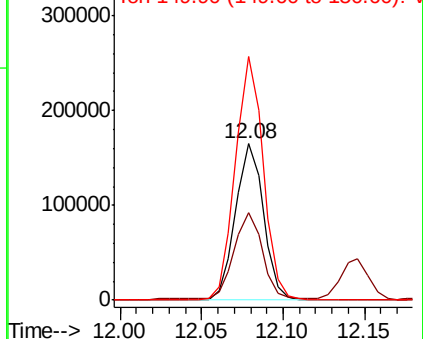
150 154.4 0.0 351.0

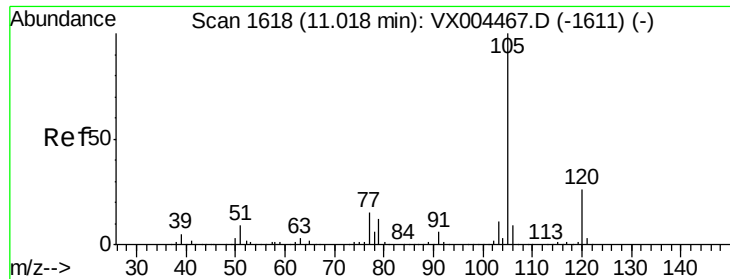


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.44 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampled :

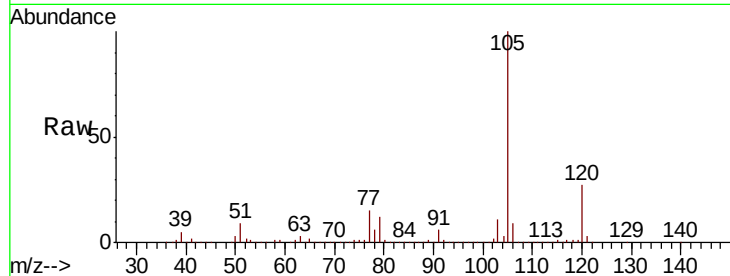
S13-0256

Tot Ion:105 Resp: 618012

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

500000

400000

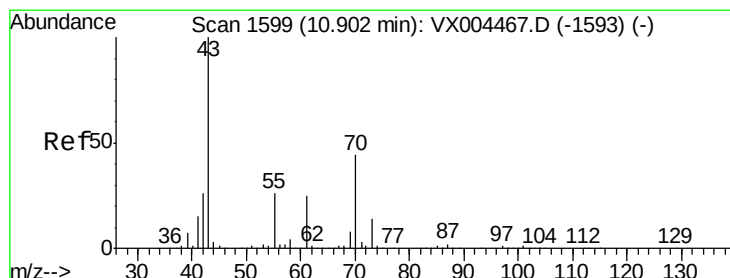
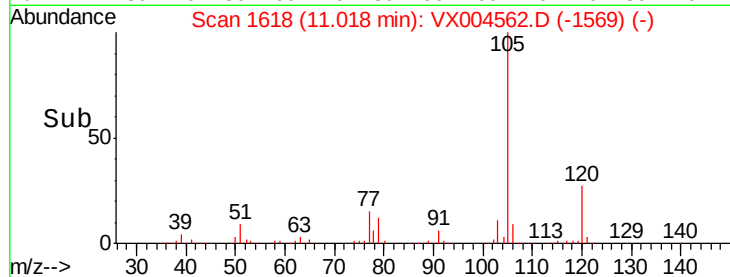
300000

200000

100000

0

Time-->



#74

N-amyl acetate

Concen: 1.54 ug/l

RT: 10.94 min Scan# 1606

Delta R.T. 0.04 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Tgt Ion: 43 Resp: 8419

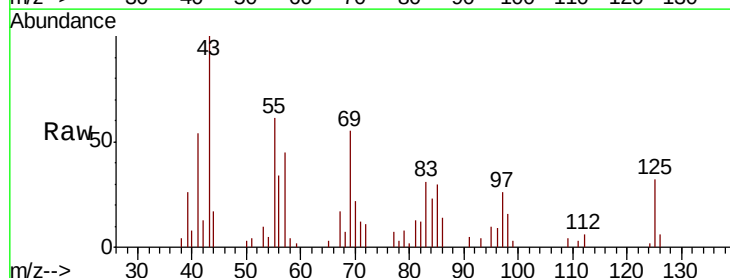
Ion Ratio Lower Upper

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

20000

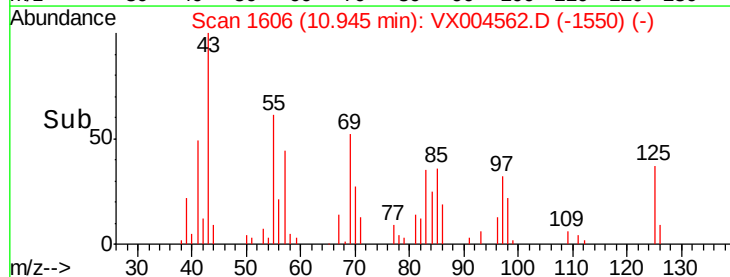
15000

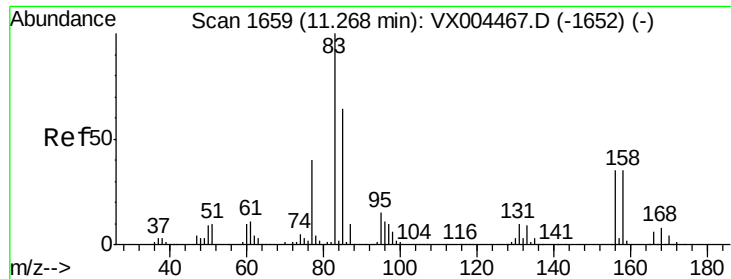
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 0.20 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.18 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

S13-0256

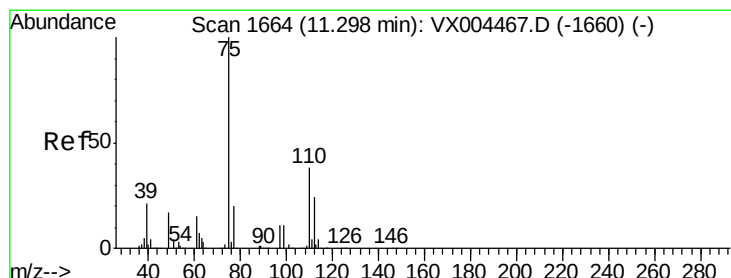
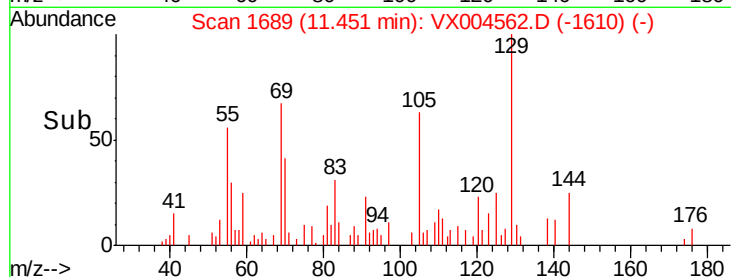
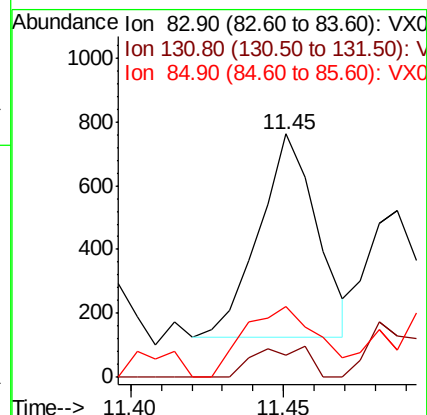
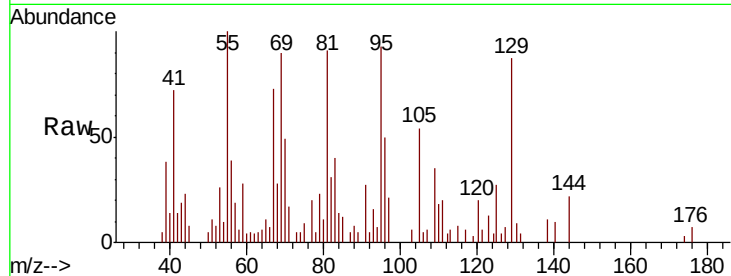
Tot Ion: 83 Resp: 842

Ion Ratio Lower Upper

83 100

131 13.9 5.2 15.6

85 44.1 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 1.18 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.06 min

Lab File: VX004562.D

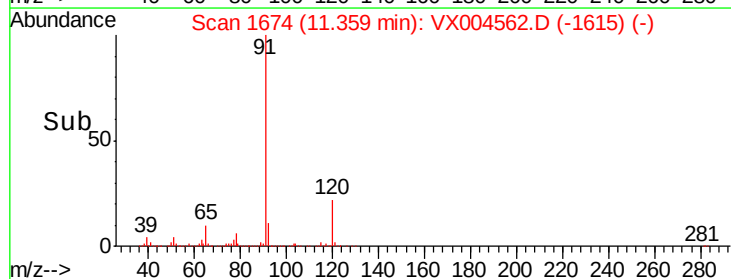
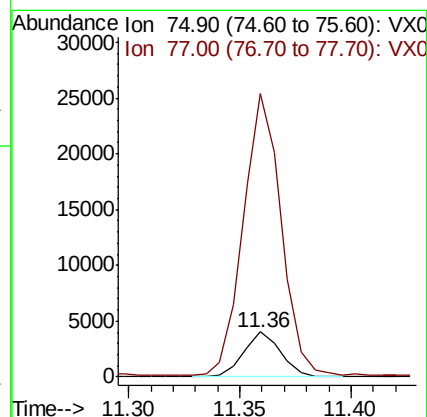
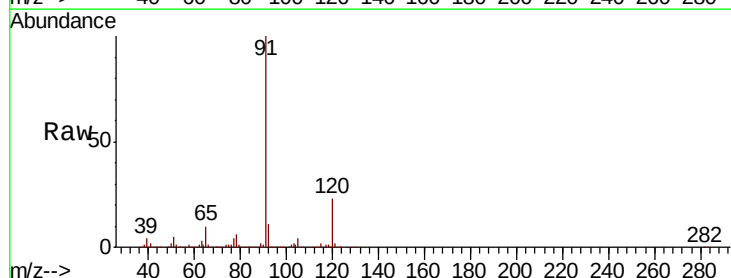
Acq: 15 Sep 2018 04:30

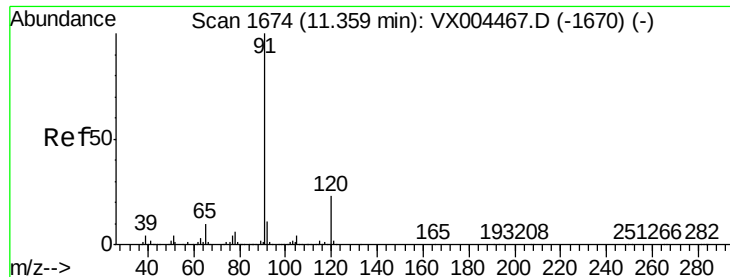
Tgt Ion: 75 Resp: 4697

Ion Ratio Lower Upper

75 100

77 635.7 20.2 60.6#





#78

n-propylbenzene

Concen: 53.11 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

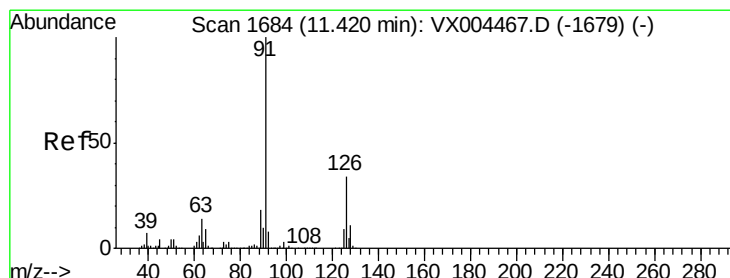
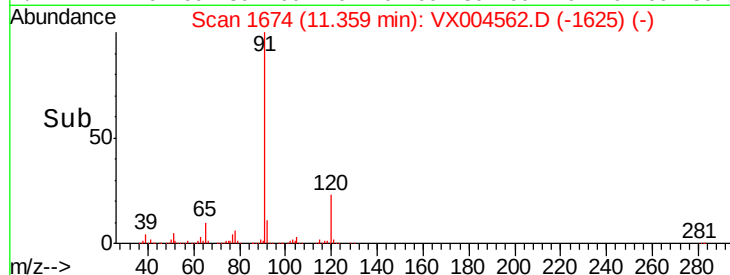
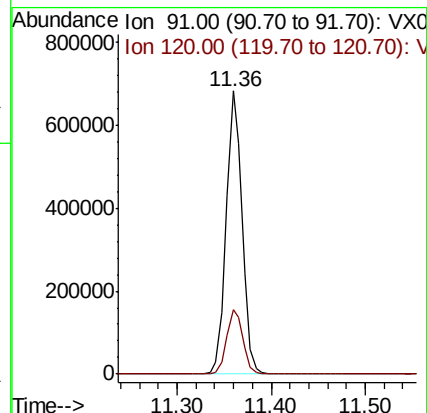
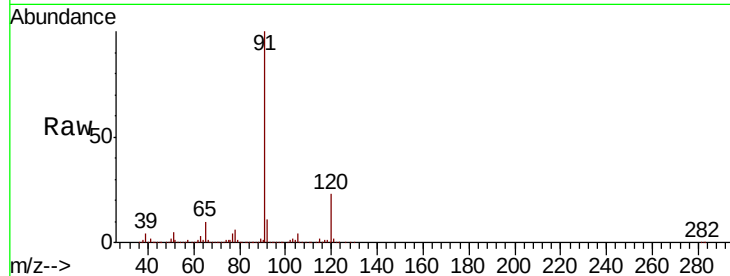
S13-0256

Tot Ion: 91 Resp: 795581

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.9



#79

2-Chlorotoluene

Concen: 87.58 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX004562.D

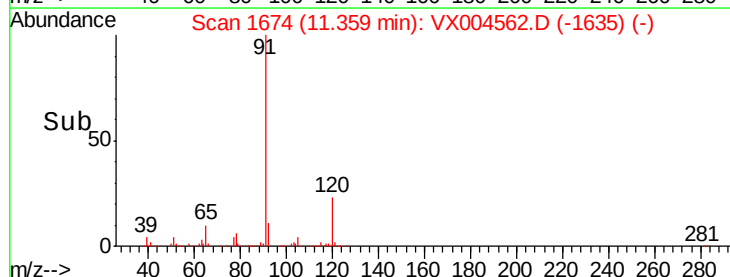
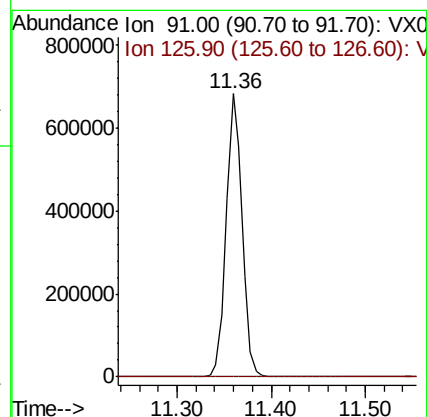
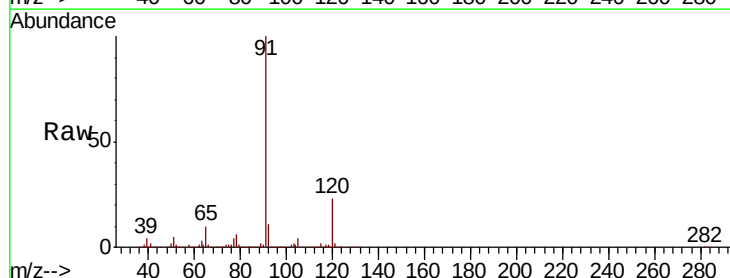
Acq: 15 Sep 2018 04:30

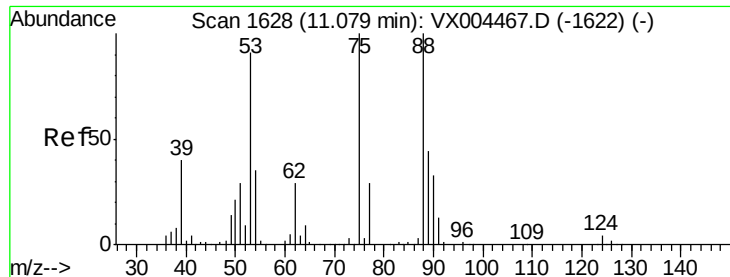
Tgt Ion: 91 Resp: 795581

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#

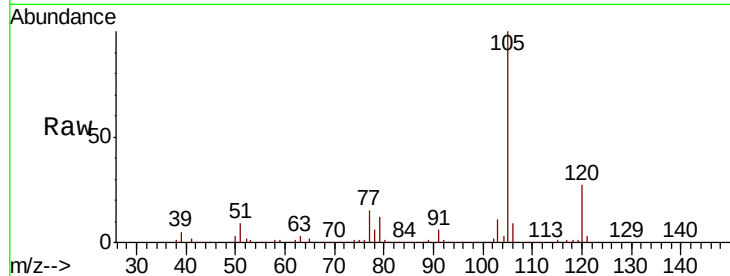




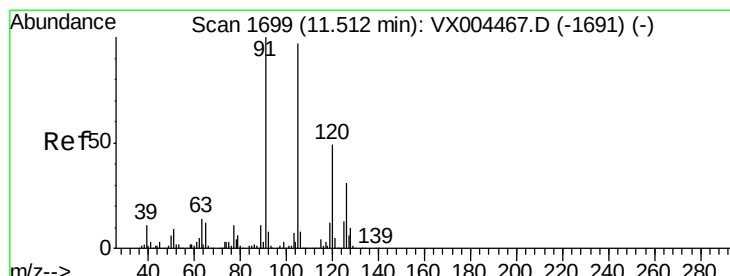
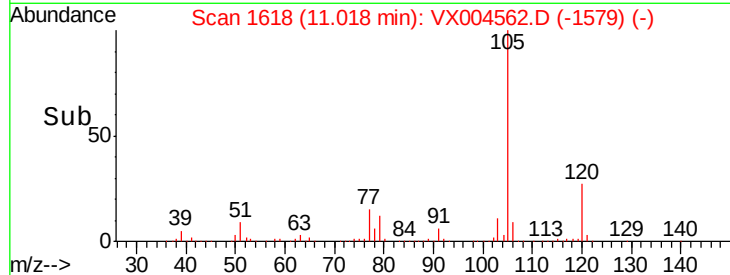
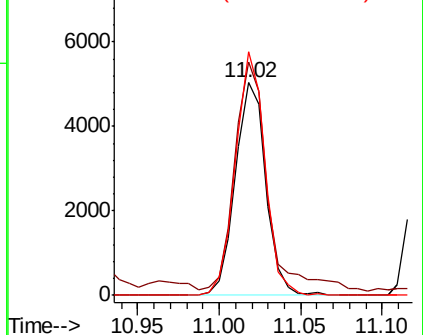
#81
trans-1,4-Dichloro-2-butene
Concen: 5.26 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.06 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Instrument :
MSVOA_X
ClientSampleId :
S13-0256

Tot Ion: 75 Resp: 6570
Ion Ratio Lower Upper
75 100
53 116.1 80.1 120.1
89 110.2 37.2 55.8#

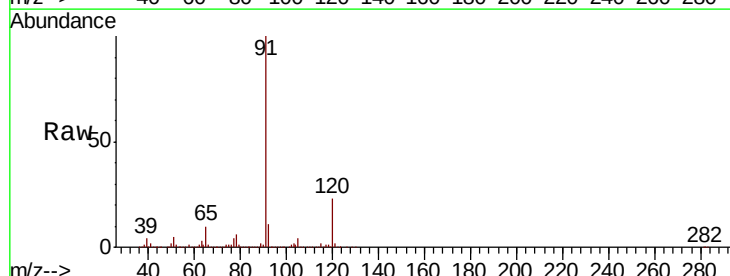


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

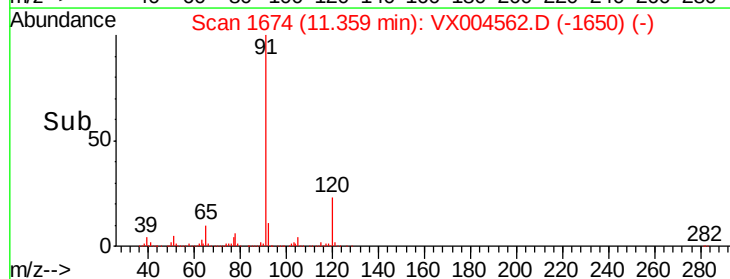
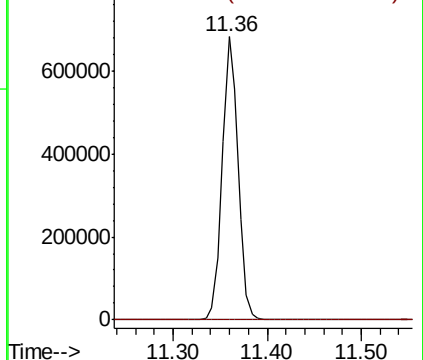


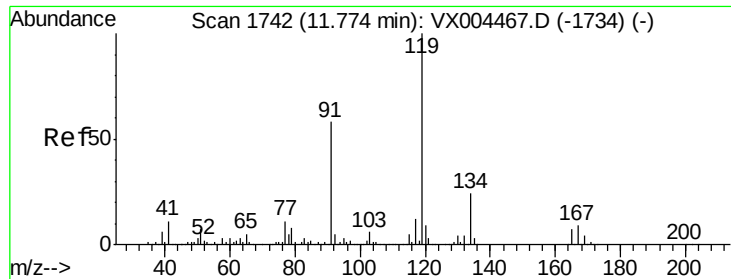
#82
4-Chlorotoluene
Concen: 75.03 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.15 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion: 91 Resp: 795581
Ion Ratio Lower Upper
91 100
126 0.0 15.5 46.5#



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

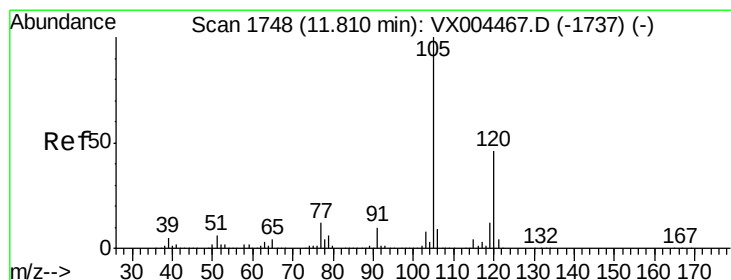
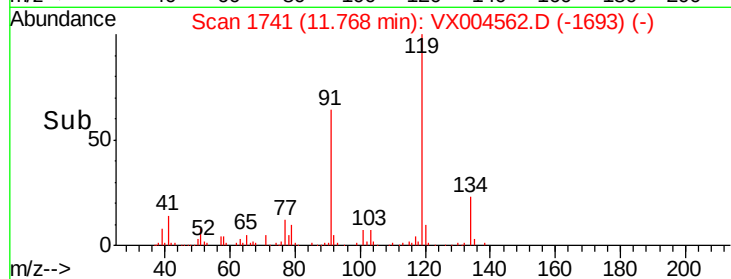
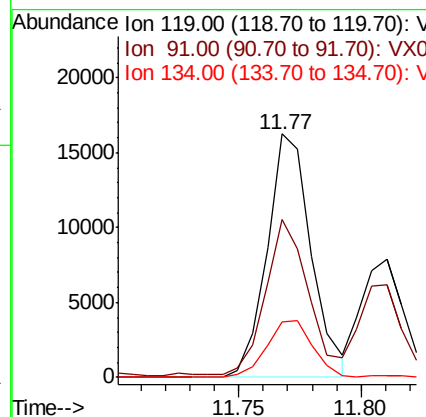
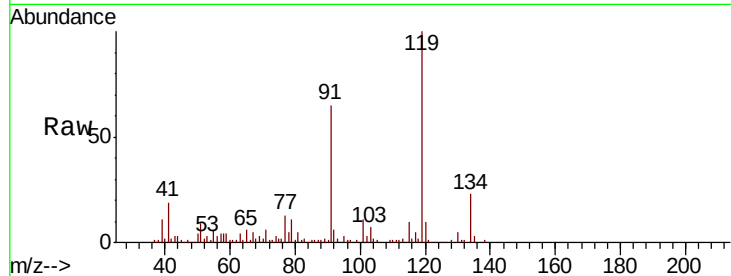




#83
 tert-Butylbenzene
 Concen: 1.97 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX004562.D
 Acq: 15 Sep 2018 04:30

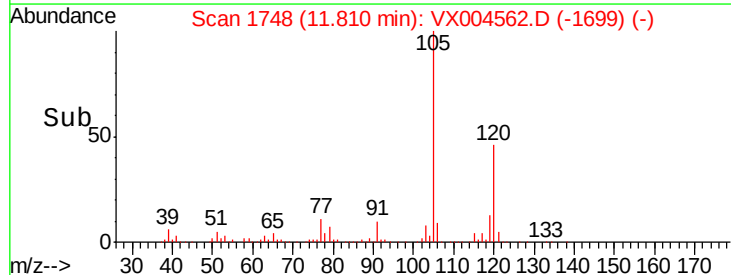
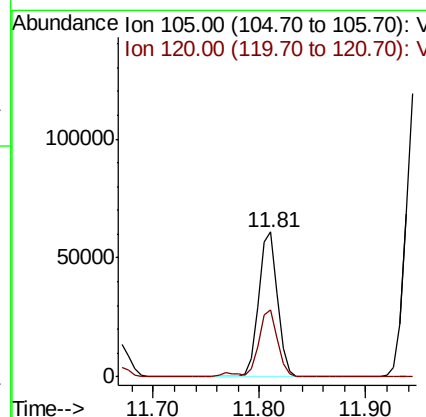
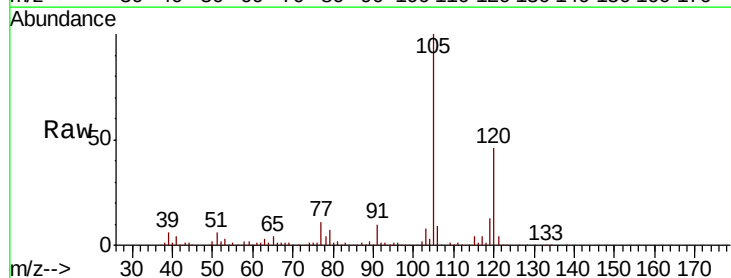
Instrument :
 MSVOA_X
 ClientSampled :
 S13-0256

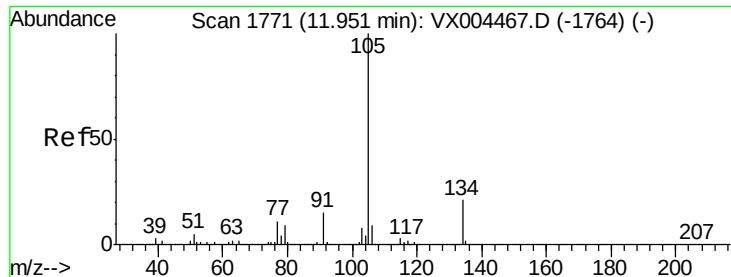
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	27.0	81.0
134	24.6	11.7	35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 6.79 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004562.D
 Acq: 15 Sep 2018 04:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.2	69.6





#85

sec-Butylbenzene

Concen: 11.05 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampled :

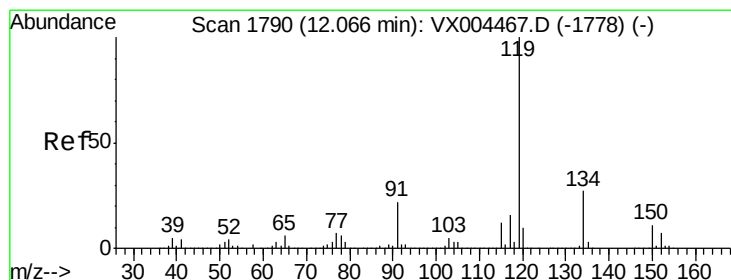
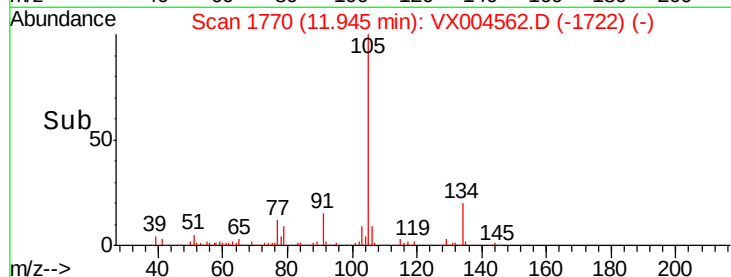
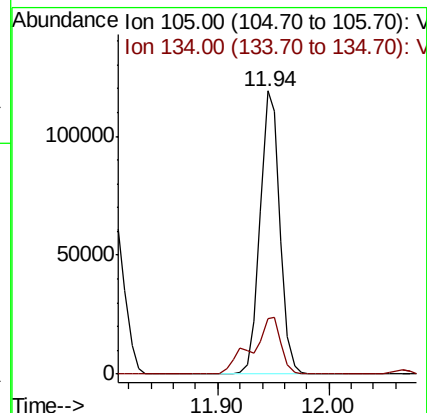
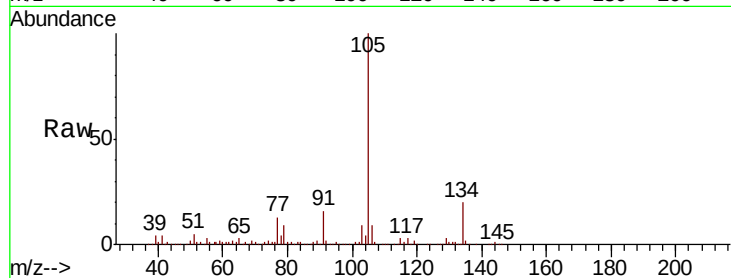
S13-0256

Tot Ion:105 Resp: 146839

Ion Ratio Lower Upper

105 100

134 29.5 10.5 31.5



#86

p-Isopropyltoluene

Concen: 4.83 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.16 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

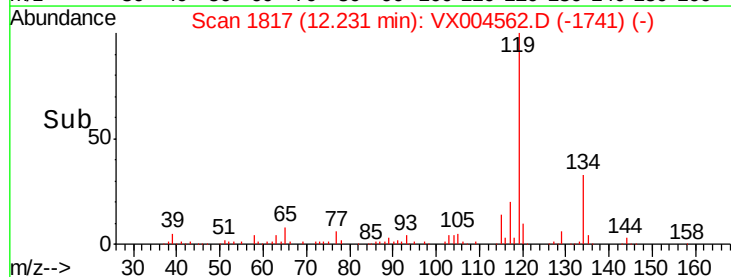
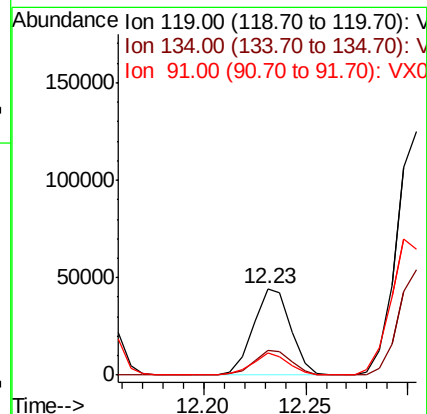
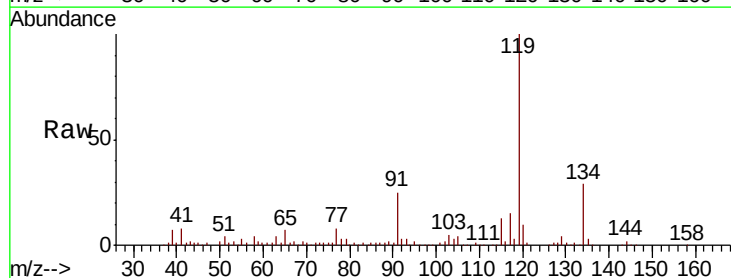
Tgt Ion:119 Resp: 56663

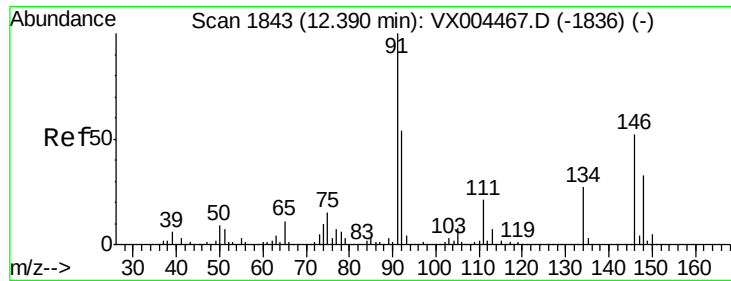
Ion Ratio Lower Upper

119 100

134 29.2 13.4 40.2

91 23.5 10.9 32.7

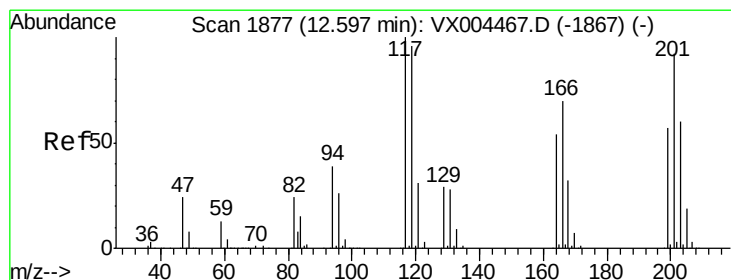
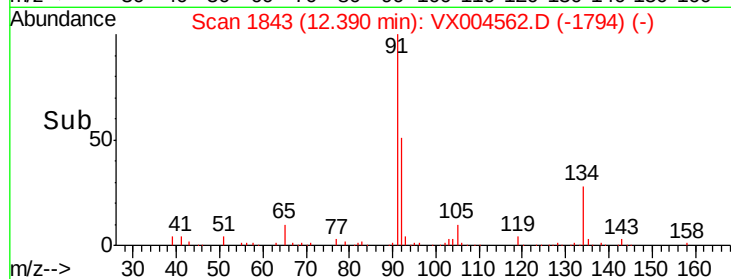
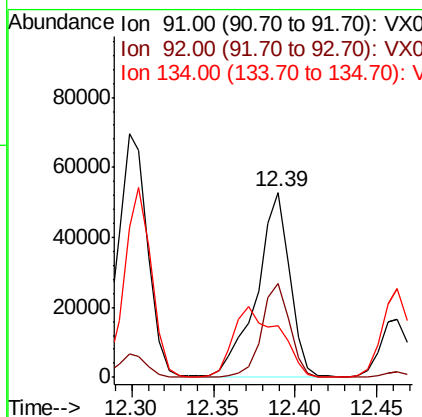
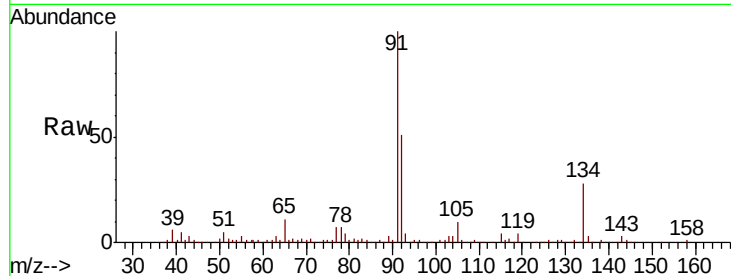




#89
n-Butylbenzene
Concen: 6.90 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

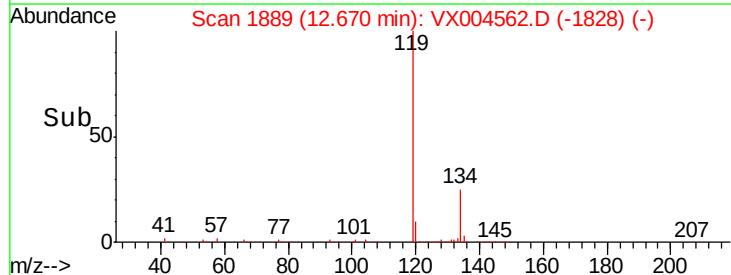
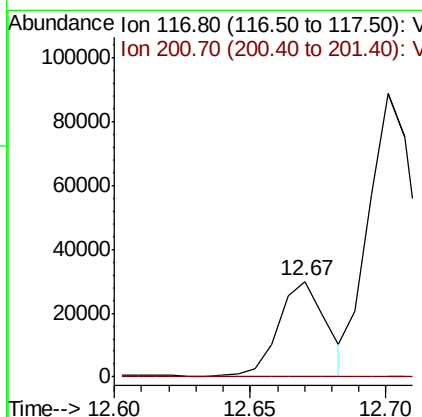
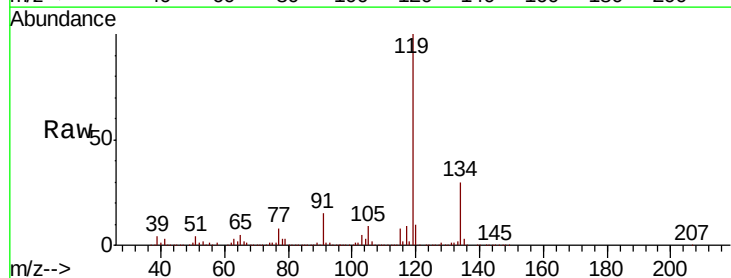
Instrument :
MSVOA_X
ClientSampled :
S13-0256

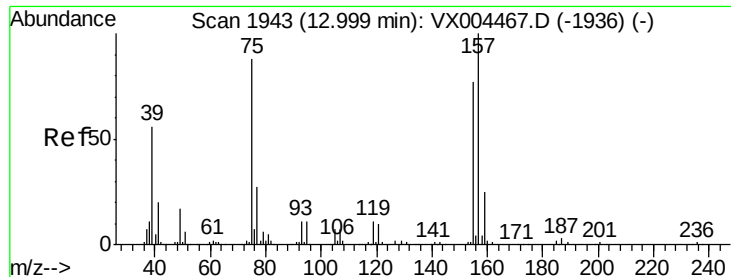
Tot Ion: 91 Resp: 73811
Ion Ratio Lower Upper
91 100
92 44.3 27.3 81.9
134 52.7 13.6 40.7#



#90
Hexachloroethane
Concen: 19.09 ug/l
RT: 12.67 min Scan# 1889
Delta R.T. 0.07 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion: 117 Resp: 35865
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.66 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

S13-0256

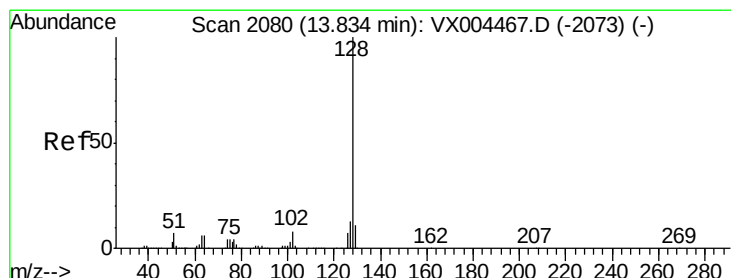
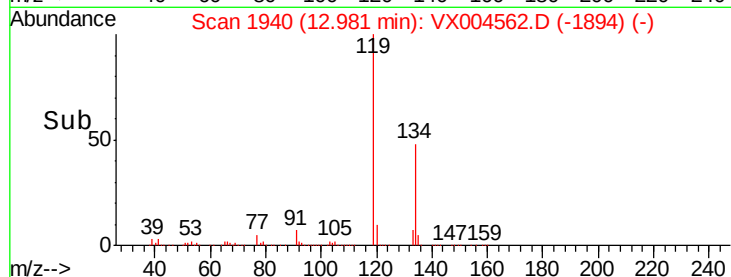
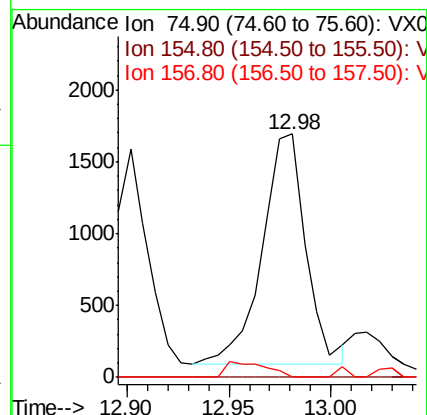
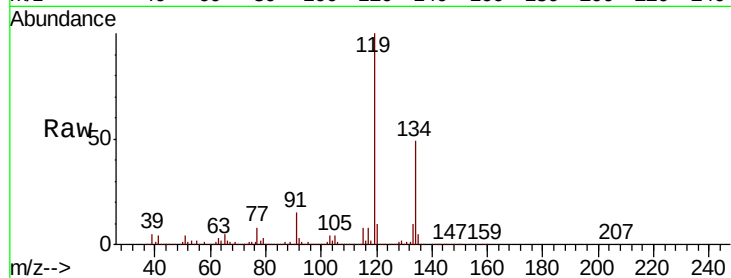
Tot Ion: 75 Resp: 2390

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

157 0.0 61.4 184.1#



#95

Naphthalene

Concen: 56.48 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Tgt Ion: 128 Resp: 762682

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.8 8.6 12.8

