

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
 Data File : VX004659.D
 Acq On : 18 Sep 2018 15:49
 Operator : JC/MD
 Sample : J4906-05
 Misc : 4.08g/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-PIT-1

Quant Time: Sep 19 02:37:31 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	5.65	168	220005	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	357468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195934	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	132577	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	5.50	113	116890	35.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.46%	
50) Toluene-d8	8.71	98	474740	43.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.56%	
62) 4-Bromofluorobenzene	11.14	95	197297	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	597	0.210	ug/l #	84
5) Bromomethane	1.64	94	812	Below Cal		96
10) Methyl Iodide	2.49	142	678	4.468	ug/l #	93
11) Tert butyl alcohol	3.02	59	2912	4.302	ug/l #	72
13) Acrolein	2.30	56	75	0.281	ug/l #	16
14) Allyl chloride	2.73	41	2436	0.515	ug/l #	27
15) Acrylonitrile	3.13	53	3945	2.420	ug/l #	39
16) Acetone	2.49	43	1645	1.188	ug/l	94
18) Methyl Acetate	2.85	43	202908	52.236	ug/l #	51
20) Methylene Chloride	2.85	84	1232	0.434	ug/l #	1
25) 2-Butanone	4.74	43	2727	1.238	ug/l #	84
26) 2,2-Dichloropropane	4.37	77	1826	0.553	ug/l #	52
29) Tetrahydrofuran	5.19	42	1249	0.940	ug/l #	61
30) Chloroform	5.25	83	3859	0.823	ug/l #	50
31) Cyclohexane	5.56	56	225862	55.042	ug/l #	78
36) 1,1-Dichloropropene	5.66	75	13599	3.134	ug/l #	49
38) Carbon Tetrachloride	5.66	117	18466	4.356	ug/l #	14
39) Methylcyclohexane	7.46	83	867224	191.492	ug/l	93
40) Benzene	6.14	78	10460	0.812	ug/l	95
41) Methacrylonitrile	5.03	41	1579	0.581	ug/l #	45
43) Isopropyl Acetate	6.44	43	15328	2.338	ug/l #	60
45) 1,2-Dichloropropane	7.45	63	7186	2.319	ug/l #	1
46) Dibromomethane	7.62	93	403	0.206	ug/l #	1
47) Bromodichloromethane	7.94	83	5744	1.552	ug/l #	25
48) Methyl methacrylate	7.77	41	1690	0.521	ug/l #	13
51) 4-Methyl-2-Pentanone	8.66	43	61514	13.296	ug/l #	39
52) Toluene	8.79	92	5430	0.716	ug/l	91
55) 1,1,2-Trichloroethane	9.16	97	172781	52.894	ug/l #	20
56) Ethyl methacrylate	9.16	69	39229	8.489	ug/l #	4
58) 2-Chloroethyl Vinyl ether	8.34	63	1073	7.714	ug/l #	45
59) 2-Hexanone	9.44	43	346880	97.750	ug/l #	26
61) 1,2-Dibromoethane	9.67	107	877	0.281	ug/l #	1
67) Ethyl Benzene	10.26	91	78013	6.171	ug/l	96
68) m/p-Xylenes	10.36	106	19460	3.996	ug/l	77

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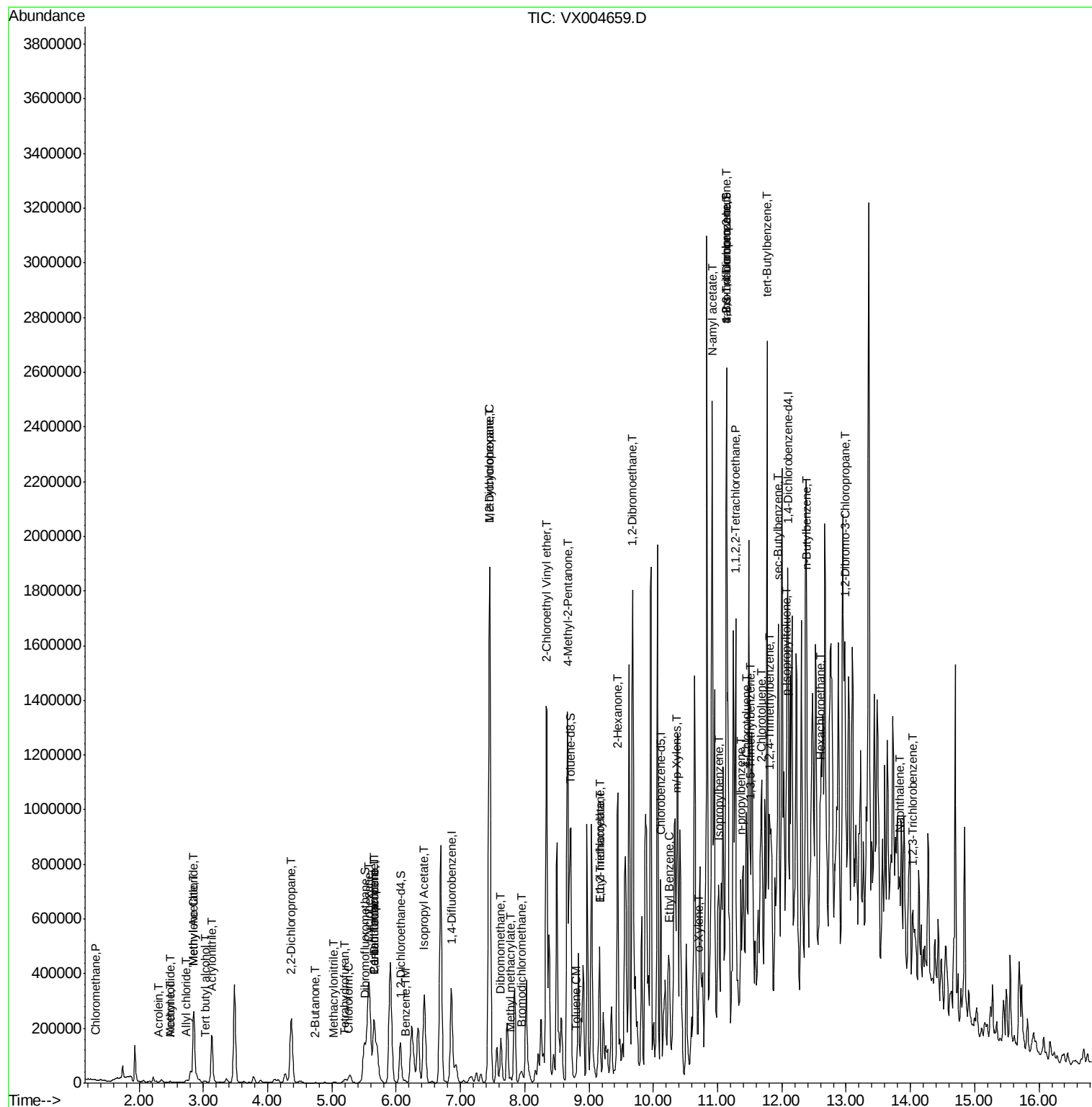
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) o-Xylene	10.70	106	2761	0.590	ug/l	72
73) Isopropylbenzene	11.02	105	177240	13.735	ug/l	100
74) N-amyl acetate	10.91	43	173474	31.939	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	119286	28.659	ug/l #	25
76) 1,2,3-Trichloropropane	11.14	75	83092	21.079	ug/l #	41
78) n-propylbenzene	11.37	91	331991	22.376	ug/l	99
79) 2-Chlorotoluene	11.67	91	13521	1.503	ug/l	86
80) 1,3,5-Trimethylbenzene	11.51	105	70882	6.534	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	83092	67.187	ug/l #	22
82) 4-Chlorotoluene	11.46	91	12293	1.170	ug/l	74
83) tert-Butylbenzene	11.77	119	11717	1.135	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	78966	7.130	ug/l	98
85) sec-Butylbenzene	11.95	105	149288	11.344	ug/l	99
86) p-Isopropyltoluene	12.07	119	155941	13.418	ug/l	97
89) n-Butylbenzene	12.39	91	245164	23.149	ug/l #	62
90) Hexachloroethane	12.59	117	14452	7.768	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.98	75	3127	3.518	ug/l #	1
95) Naphthalene	13.83	128	154491	11.550	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.04	180	3795	0.775	ug/l #	1

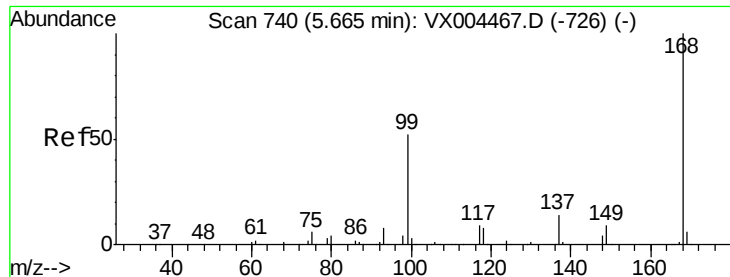
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

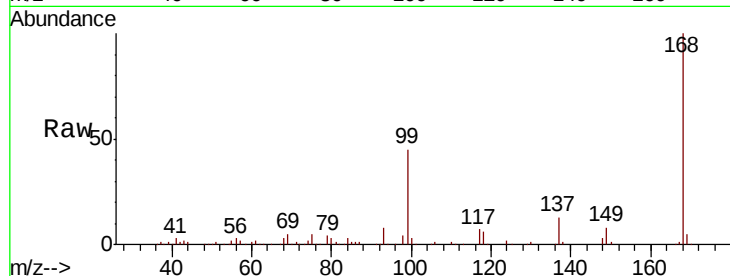
SP-PIT-1

Tgt Ion:168 Resp: 220005

Ion Ratio Lower Upper

168 100

99 45.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

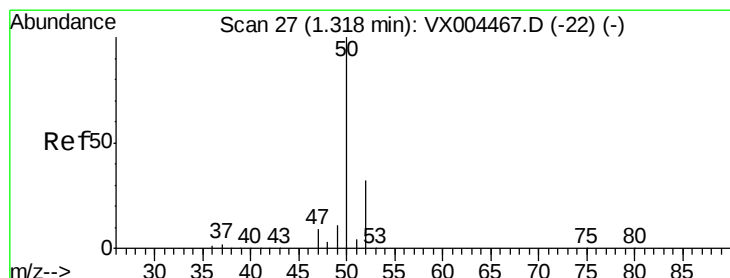
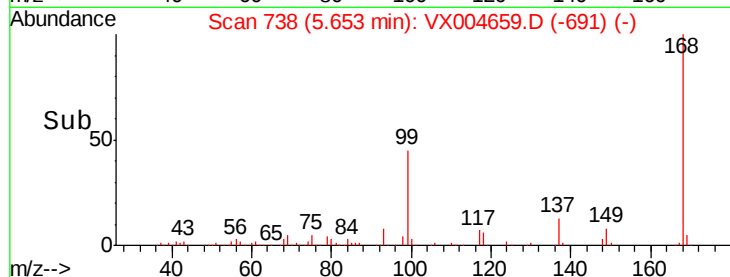
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX004659.D

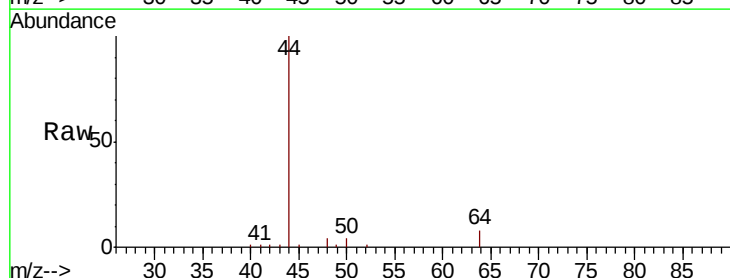
Acq: 18 Sep 2018 15:49

Tgt Ion: 50 Resp: 597

Ion Ratio Lower Upper

50 100

52 41.5 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

400

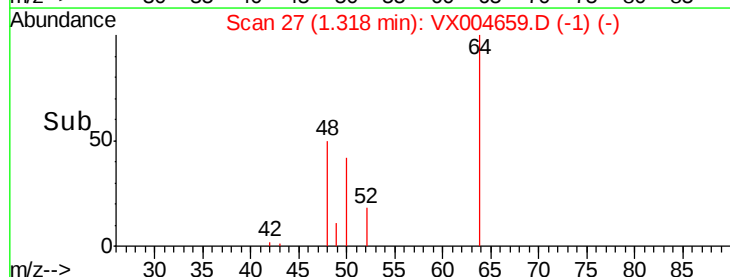
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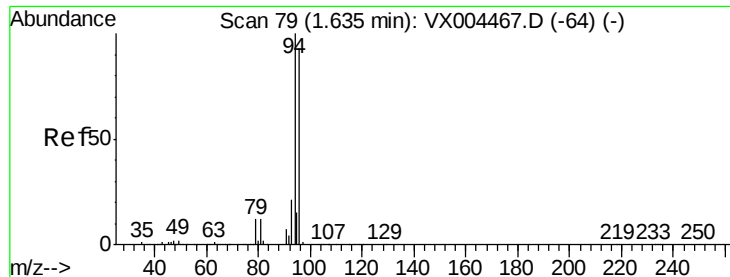
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

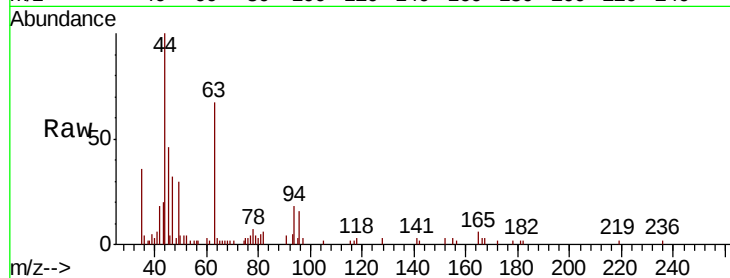
SP-PIT-1

Tgt Ion: 94 Resp: 812

Ion Ratio Lower Upper

94 100

96 97.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

500

400

300

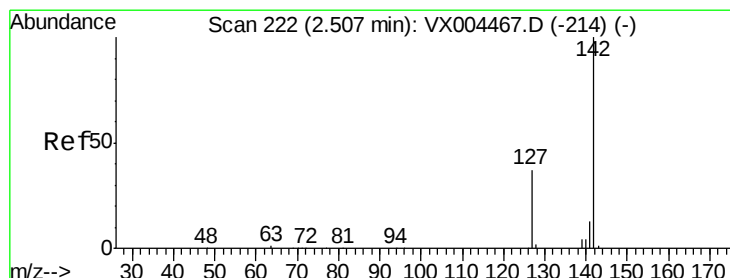
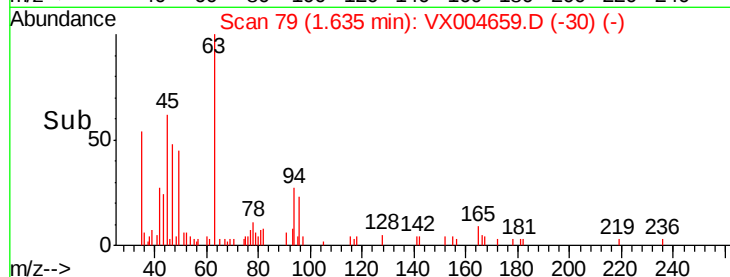
200

100

0

1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 4.468 ug/l

RT: 2.49 min Scan# 219

Delta R.T. -0.02 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

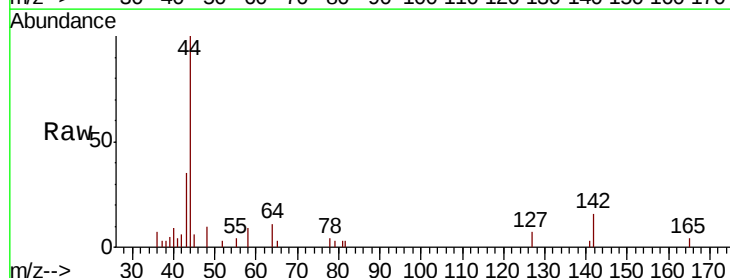
Tgt Ion: 142 Resp: 678

Ion Ratio Lower Upper

142 100

127 39.4 33.8 50.6

141 20.4 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

2.49

400

300

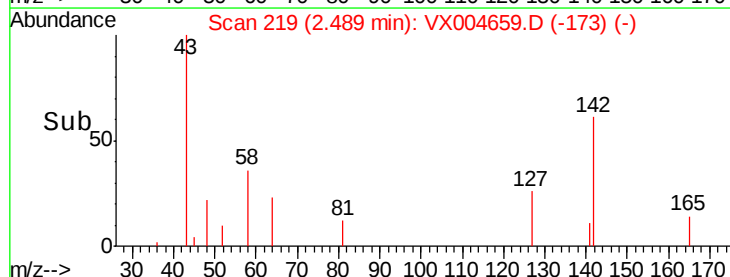
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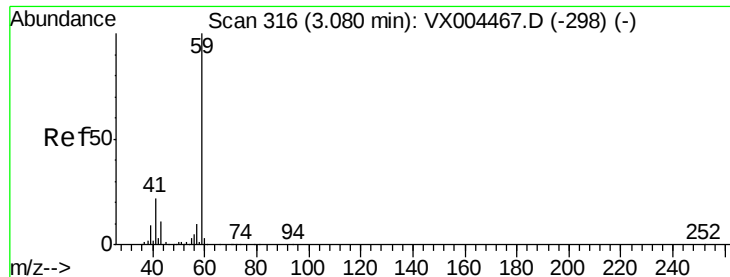
100

0

2.45 2.50 2.55

Time-->

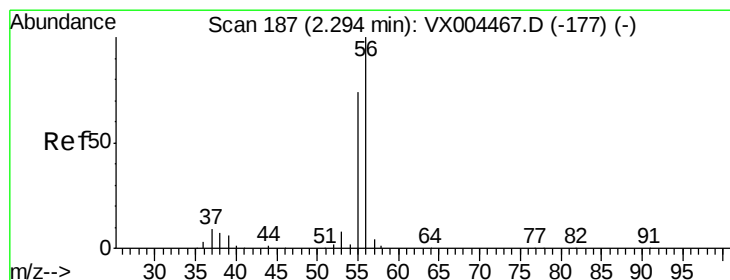
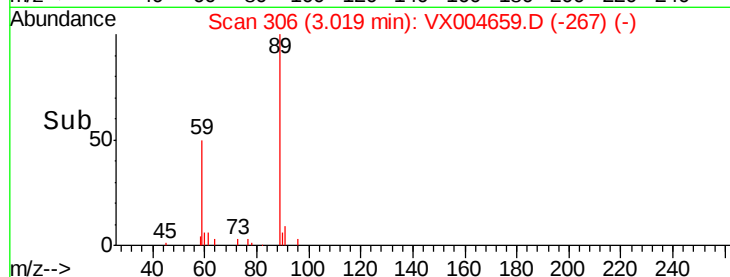
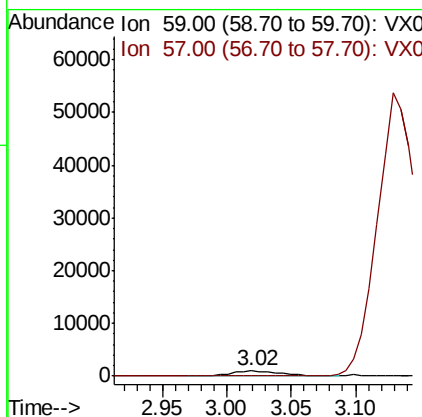
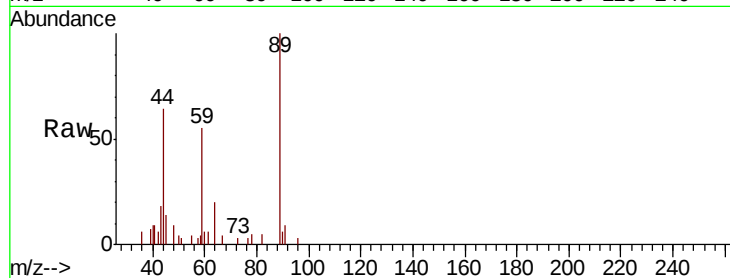




#11
Tert butyl alcohol
Concen: 4.302 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

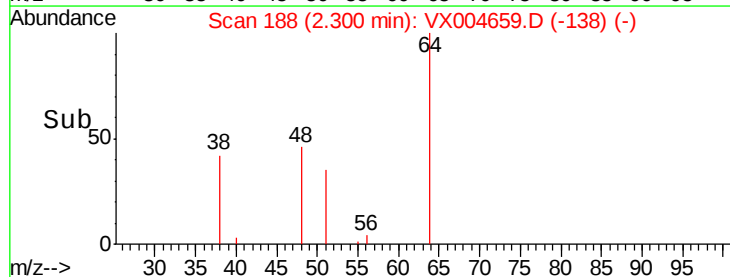
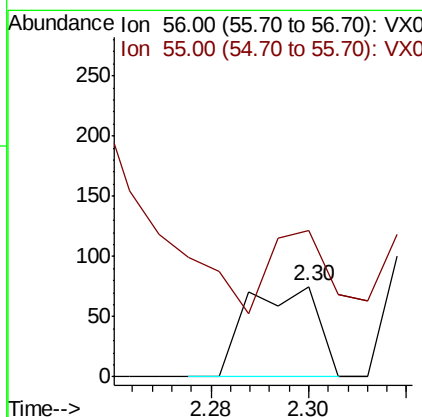
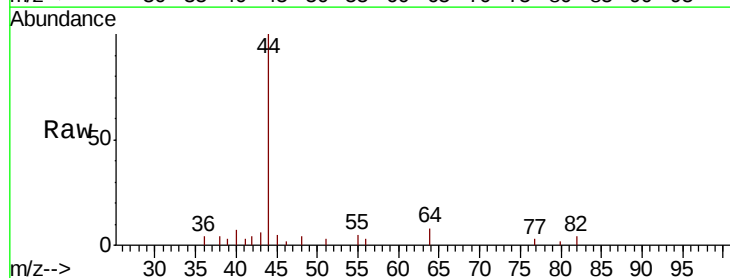
Instrument :
MSVOA_X
ClientSampled :
SP-PIT-1

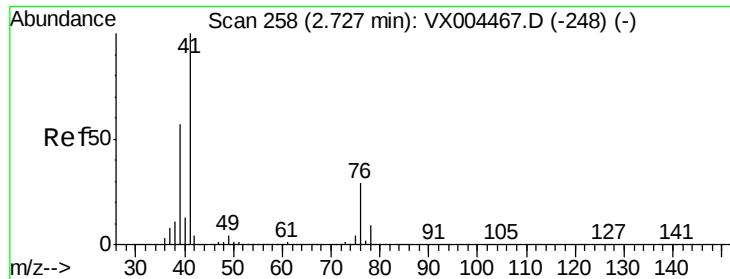
Tgt Ion: 59 Resp: 2912
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.281 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#

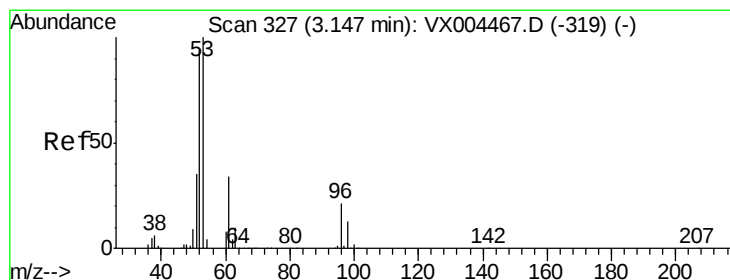
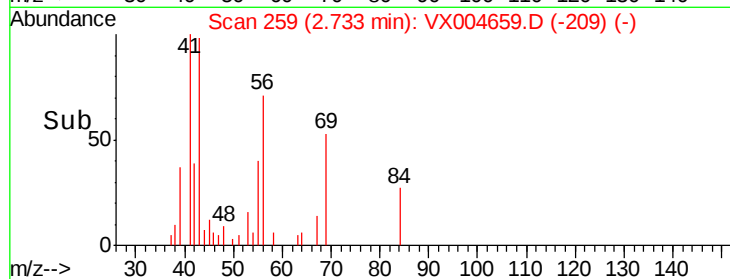
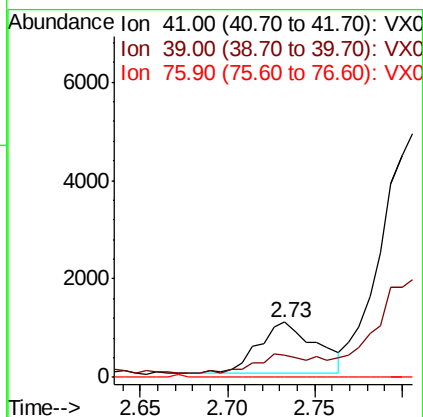
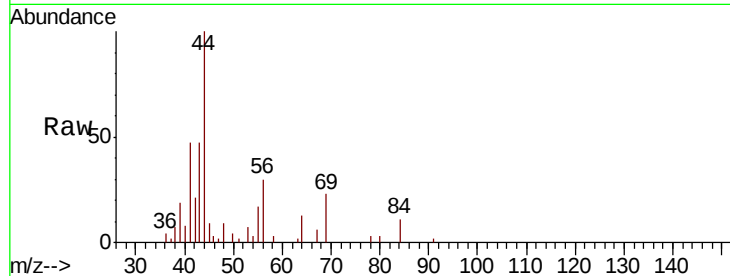




#14
 Allyl chloride
 Concen: 0.515 ug/l
 RT: 2.73 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

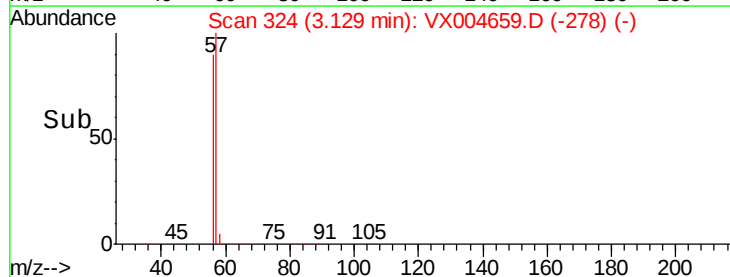
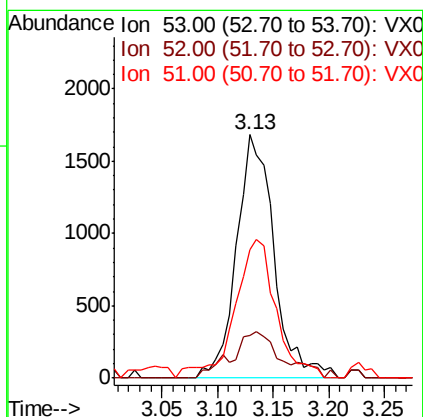
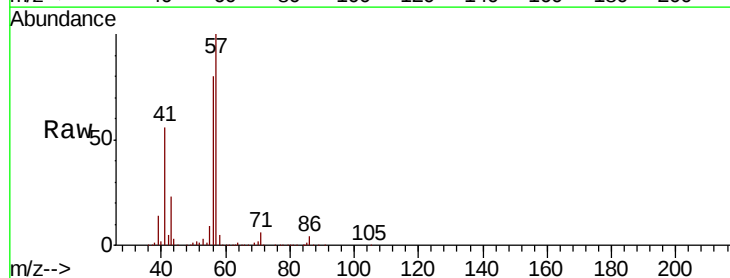
Instrument :
 MSVOA_X
 ClientSampled :
 SP-PIT-1

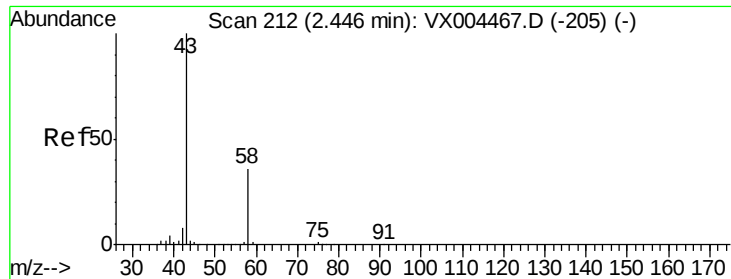
Tgt Ion: 41 Resp: 2436
 Ion Ratio Lower Upper
 41 100
 39 0.0 48.9 73.3#
 76 0.0 26.7 40.1#



#15
 Acrylonitrile
 Concen: 2.420 ug/l
 RT: 3.13 min Scan# 324
 Delta R.T. -0.02 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Tgt Ion: 53 Resp: 3945
 Ion Ratio Lower Upper
 53 100
 52 22.0 65.2 97.8#
 51 62.6 28.2 42.2#

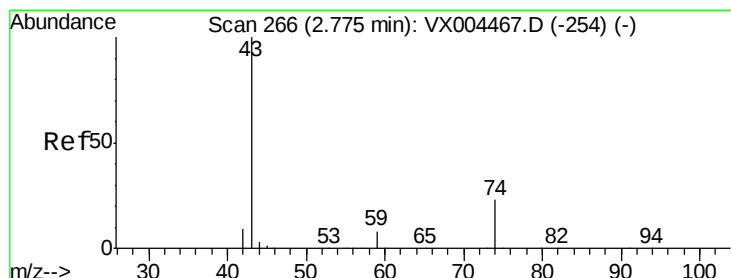
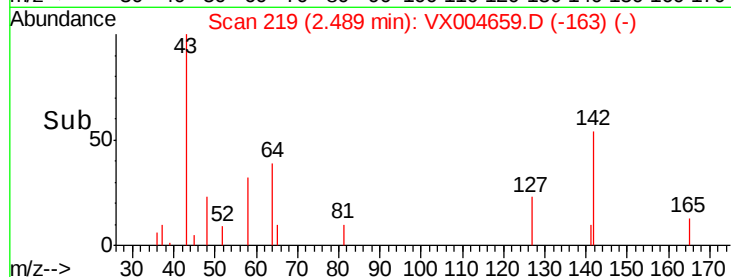
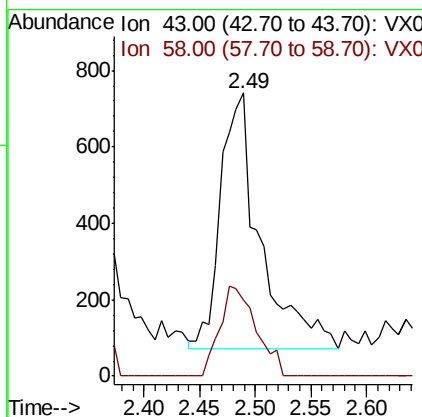
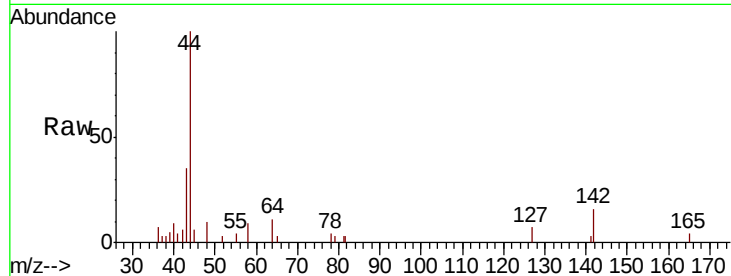




#16
Acetone
Concen: 1.188 ug/l
RT: 2.49 min Scan# 219
Delta R.T. 0.04 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

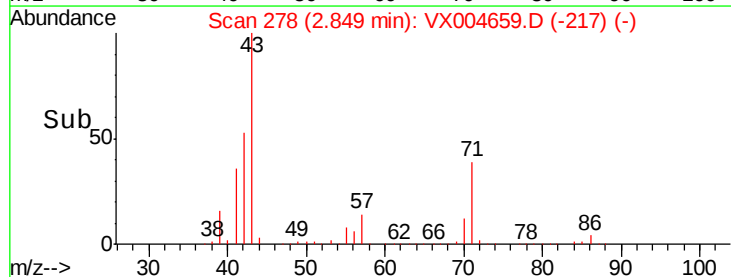
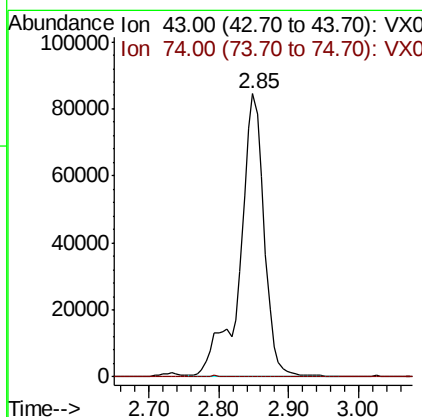
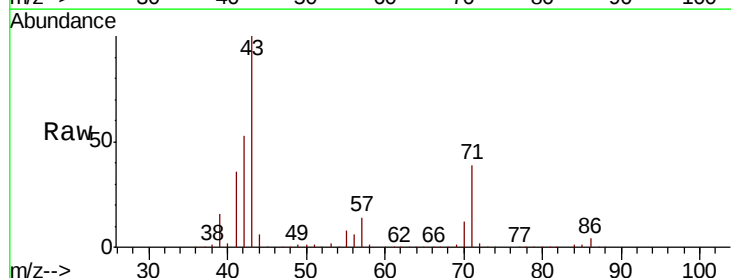
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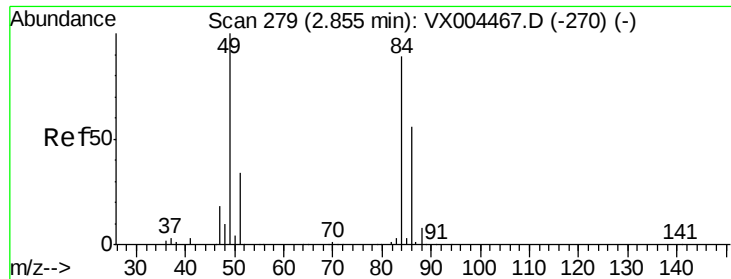
Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
58 29.6 26.2 39.4



#18
Methyl Acetate
Concen: 52.236 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion: 43 Resp: 202908
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#

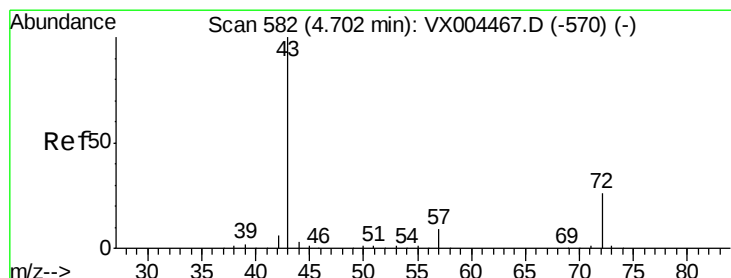
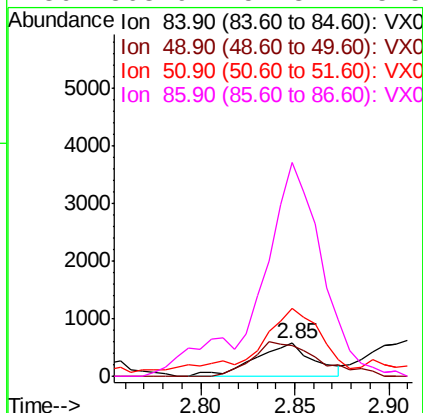
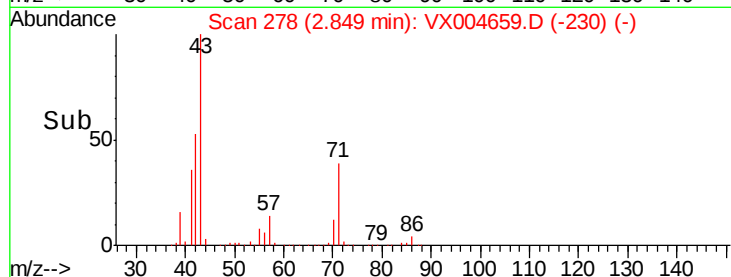
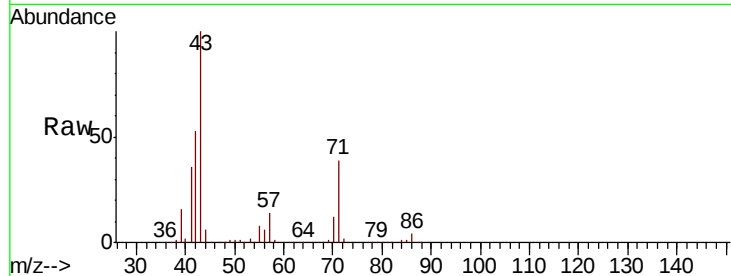




#20
Methylene Chloride
Concen: 0.434 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

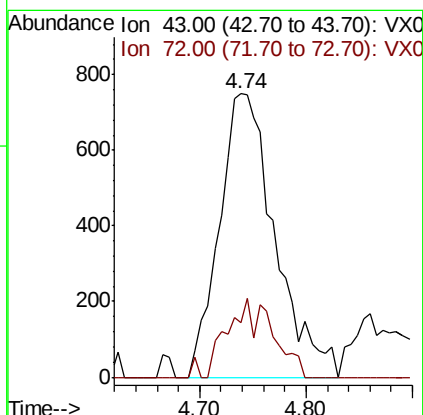
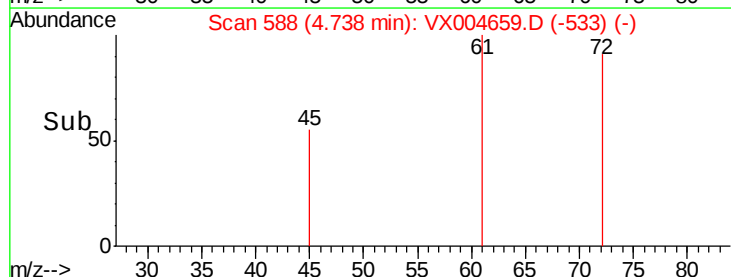
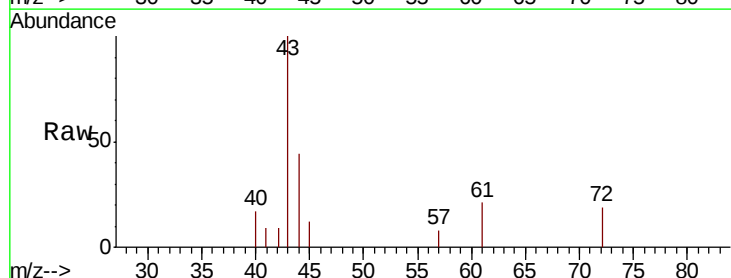
Instrument :
MSVOA_X
ClientSampled :
SP-PIT-1

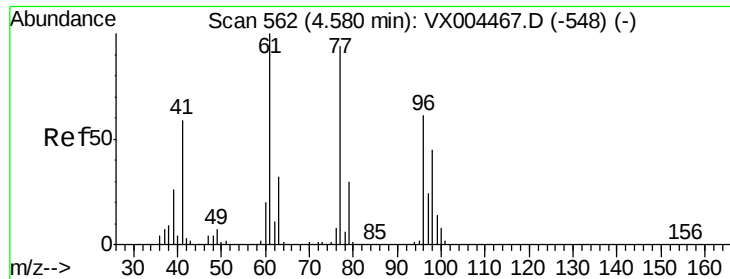
Tgt Ion: 84 Resp: 1232
Ion Ratio Lower Upper
84 100
49 92.3 101.2 151.8#
51 172.3 29.5 44.3#
86 563.9 52.3 78.5#



#25
2-Butanone
Concen: 1.238 ug/l
RT: 4.74 min Scan# 588
Delta R.T. 0.04 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion: 43 Resp: 2727
Ion Ratio Lower Upper
43 100
72 19.4 22.0 33.0#

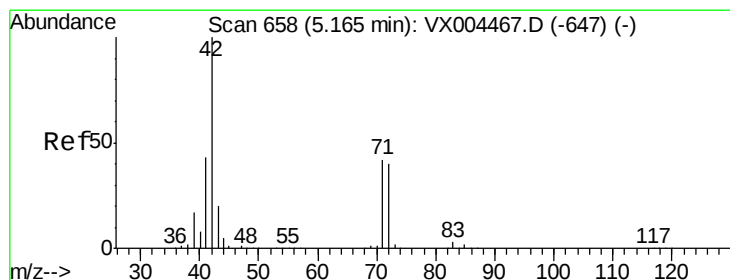
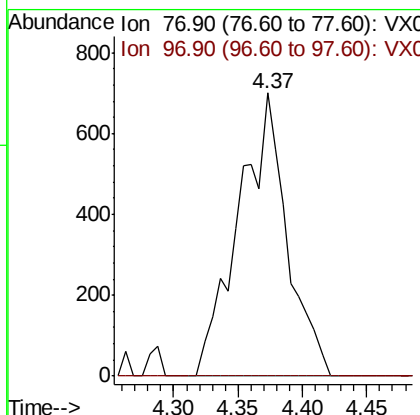
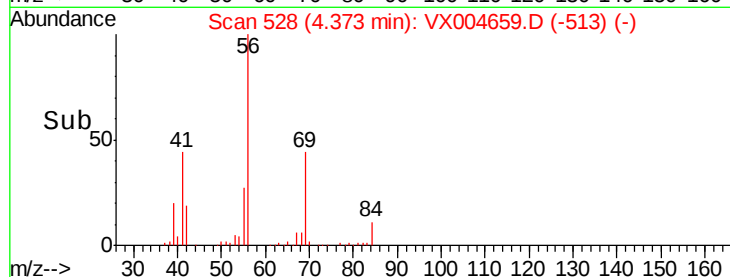
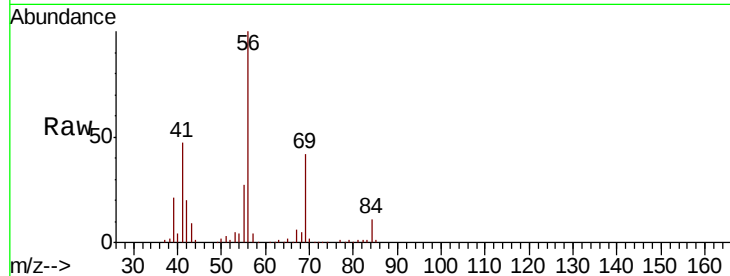




#26
 2,2-Dichloropropane
 Concen: 0.553 ug/l
 RT: 4.37 min Scan# 528
 Delta R.T. -0.21 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

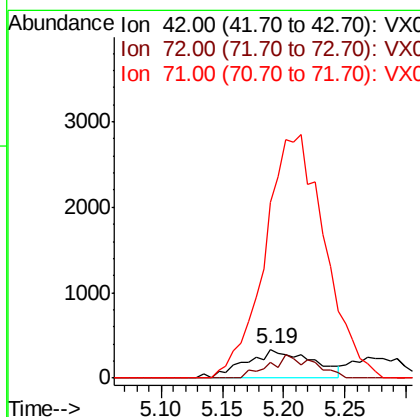
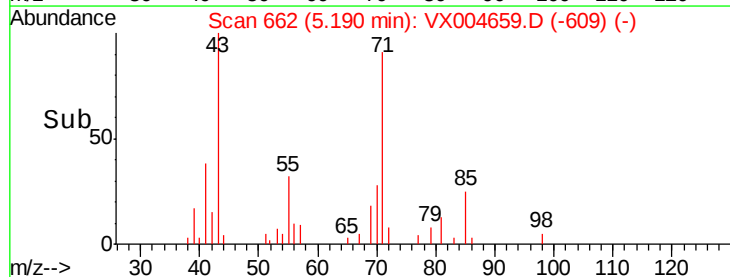
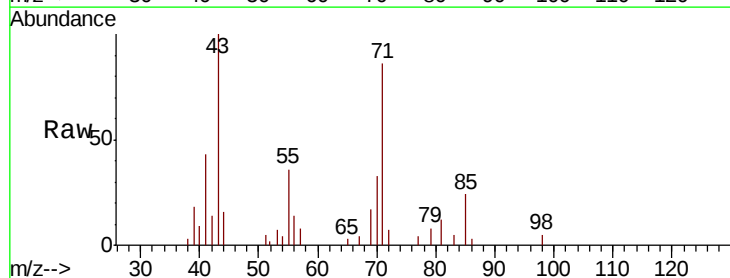
Instrument :
 MSVOA_X
 ClientSampled :
 SP-PIT-1

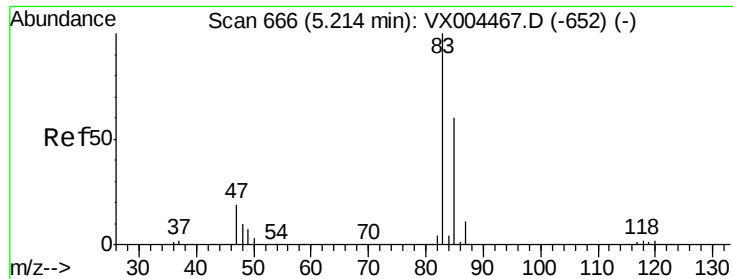
Tgt Ion: 77 Resp: 1826
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#29
 Tetrahydrofuran
 Concen: 0.940 ug/l
 RT: 5.19 min Scan# 662
 Delta R.T. 0.02 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Tgt Ion: 42 Resp: 1249
 Ion Ratio Lower Upper
 42 100
 72 55.6 37.4 56.0
 71 0.0 34.5 51.7#

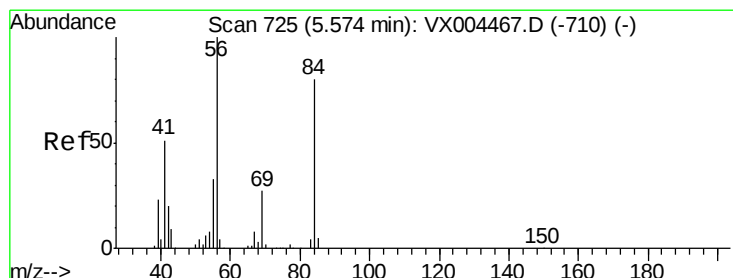
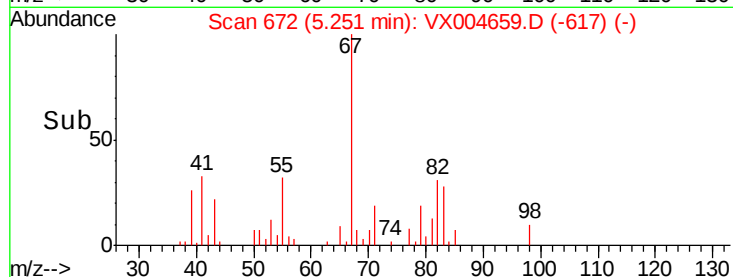
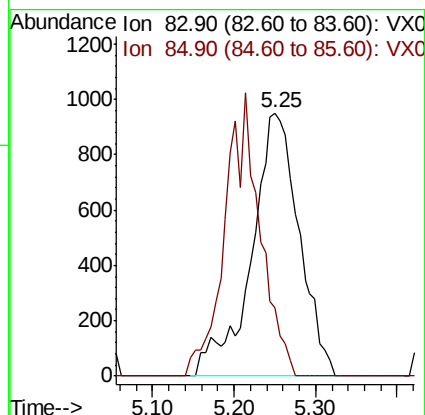
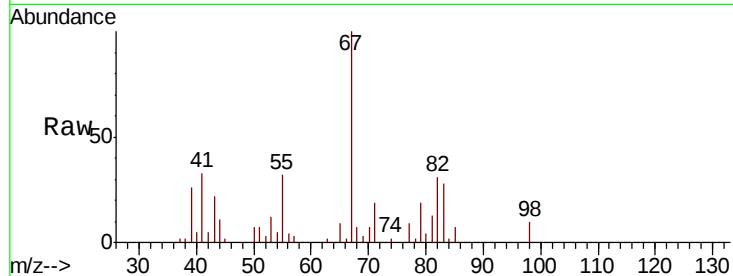




#30
Chloroform
Concen: 0.823 ug/l
RT: 5.25 min Scan# 672
Delta R.T. 0.04 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

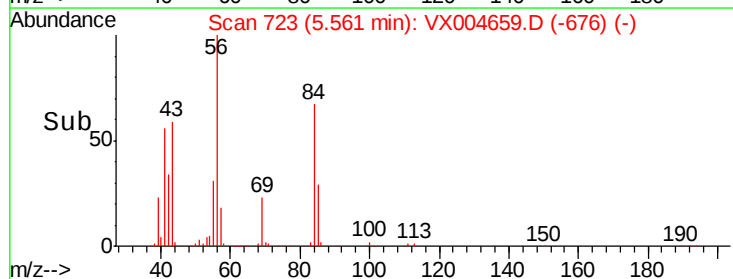
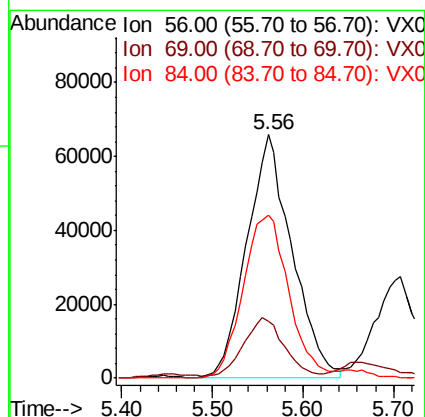
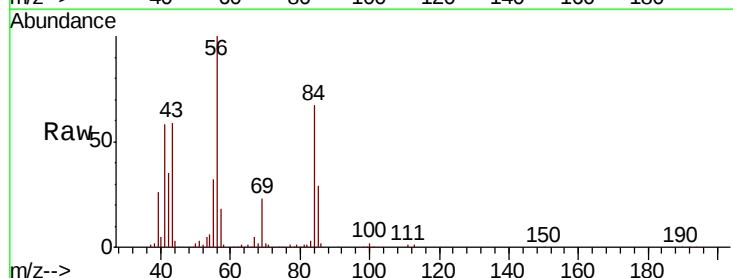
Instrument :
MSVOA_X
ClientSampleId :
SP-PIT-1

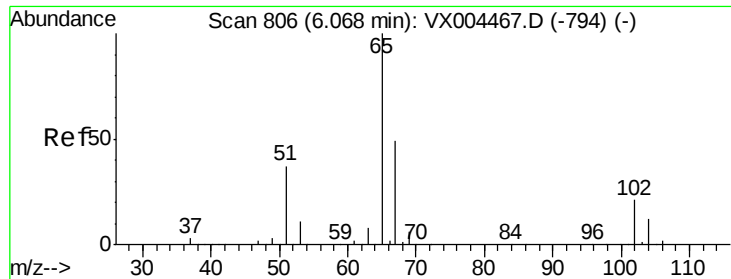
Tgt Ion: 83 Resp: 3859
Ion Ratio Lower Upper
83 100
85 26.1 52.6 79.0#



#31
Cyclohexane
Concen: 55.042 ug/l
RT: 5.56 min Scan# 723
Delta R.T. -0.01 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion: 56 Resp: 225862
Ion Ratio Lower Upper
56 100
69 22.2 25.4 38.2#
84 66.9 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 46.736 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampled :

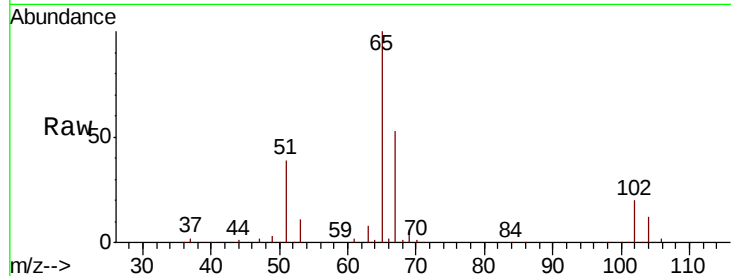
SP-PIT-1

Tgt Ion: 65 Resp: 132577

Ion Ratio Lower Upper

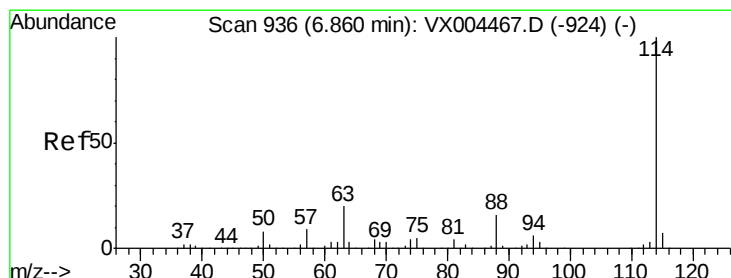
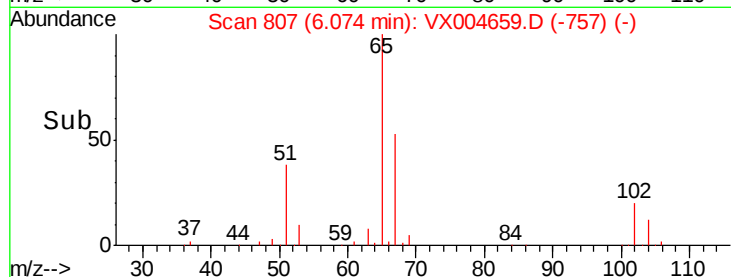
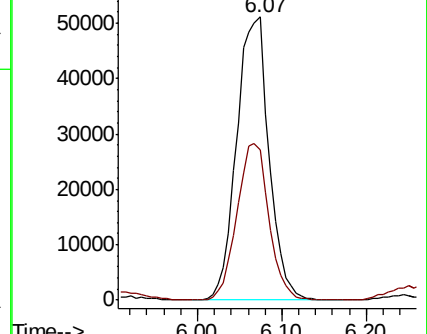
65 100

67 54.7 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: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

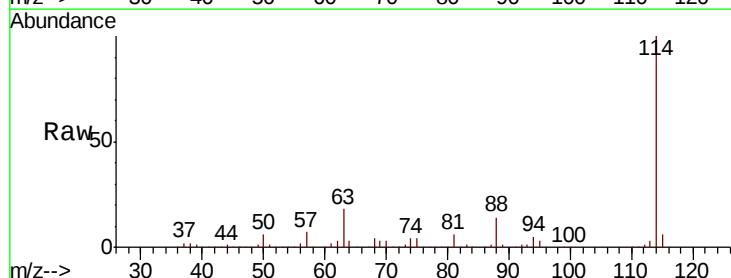
Tgt Ion: 114 Resp: 357468

Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.0

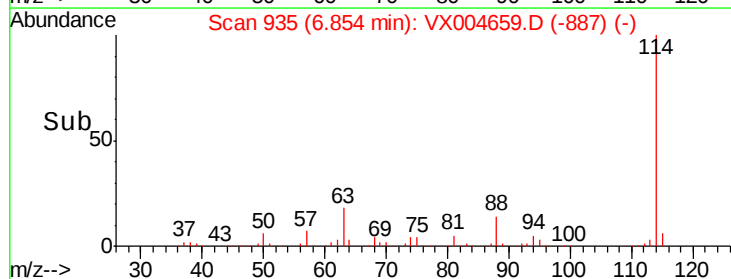
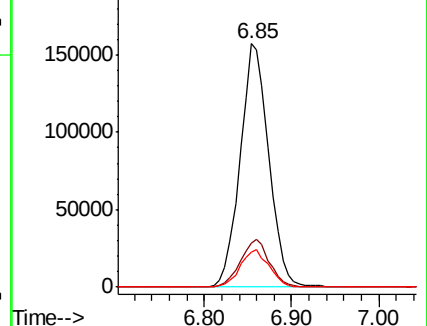
88 14.2 0.0 30.4

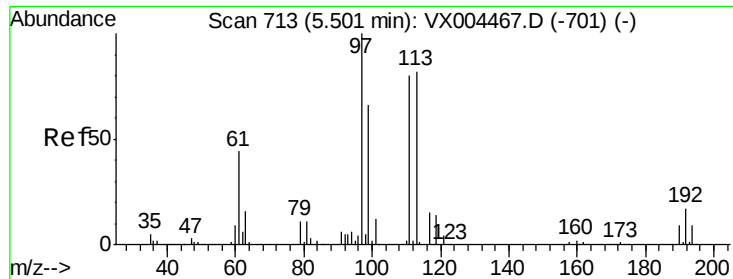


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

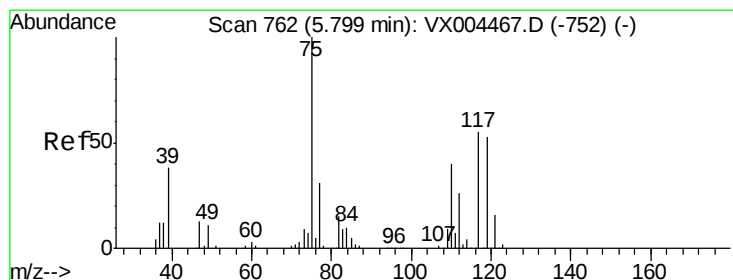
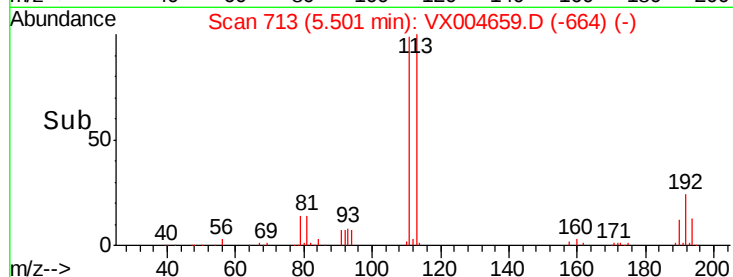
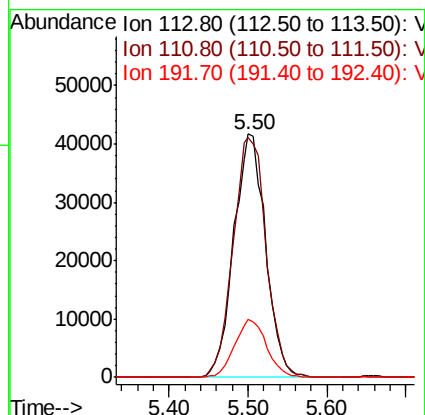
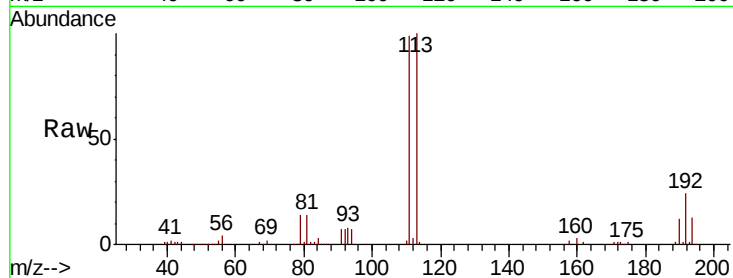




#35
 Dibromofluoromethane
 Concen: 35.733 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

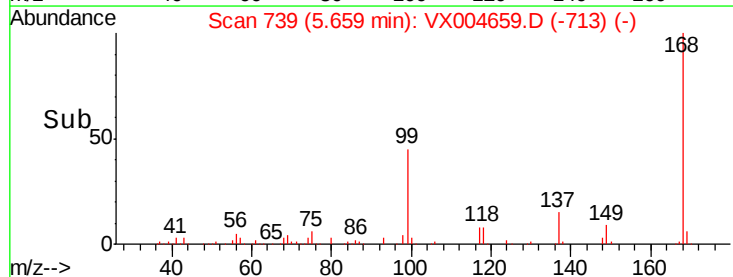
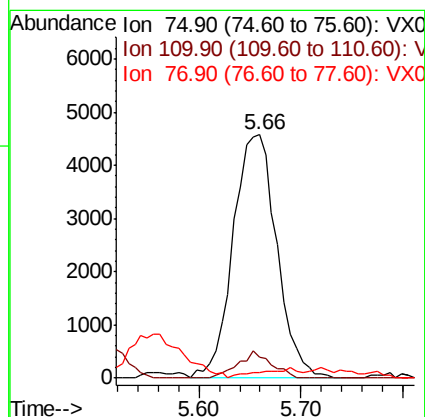
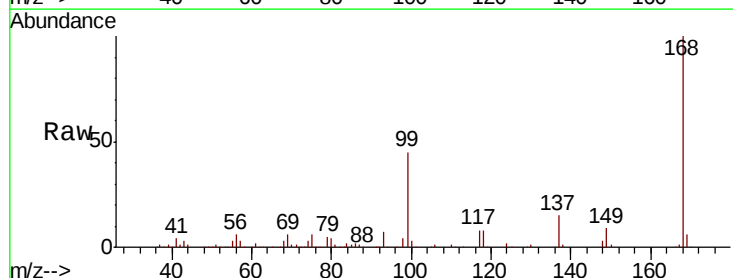
Instrument :
 MSVOA_X
 ClientSampled :
 SP-PIT-1

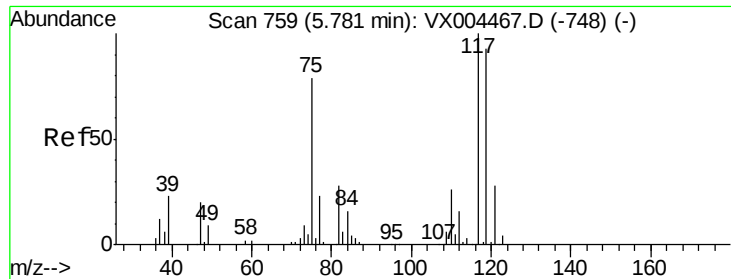
Tgt Ion: 113 Resp: 116890
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.4 123.6
 192 23.9 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.134 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Tgt Ion: 75 Resp: 13599
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.356 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

SP-PIT-1

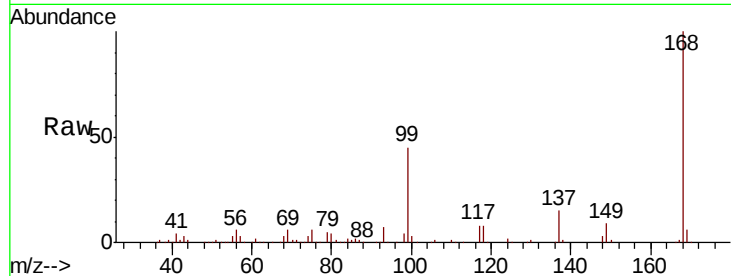
Tgt Ion: 117 Resp: 18466

Ion Ratio Lower Upper

117 100

119 4.2 78.8 118.2#

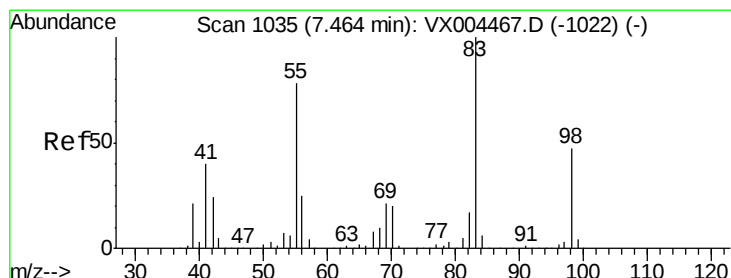
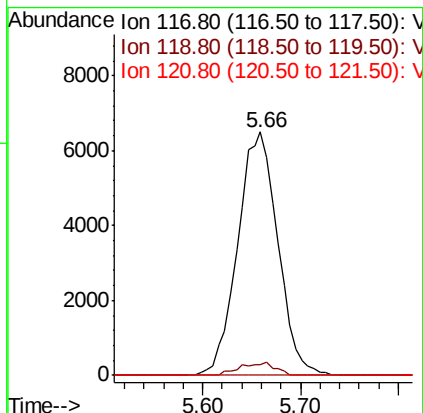
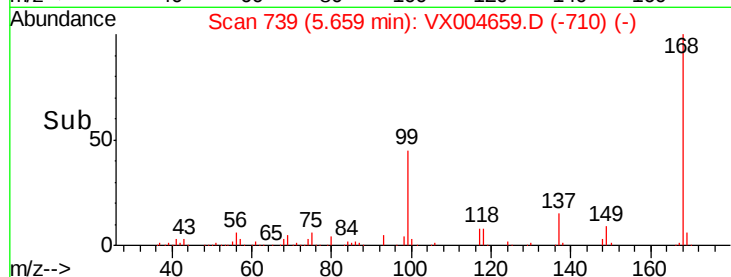
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 191.492 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

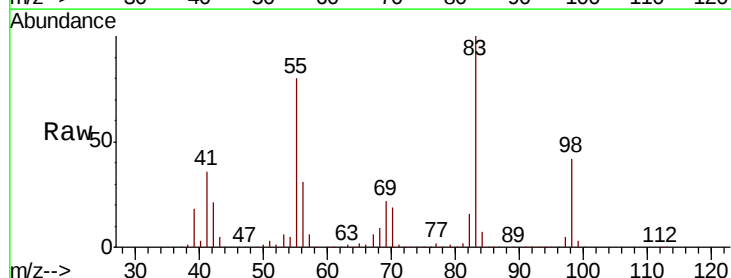
Tgt Ion: 83 Resp: 867224

Ion Ratio Lower Upper

83 100

55 79.9 61.0 91.4

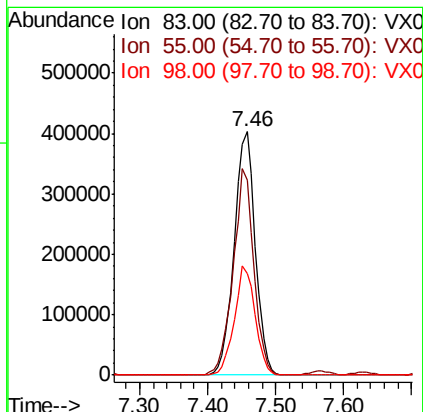
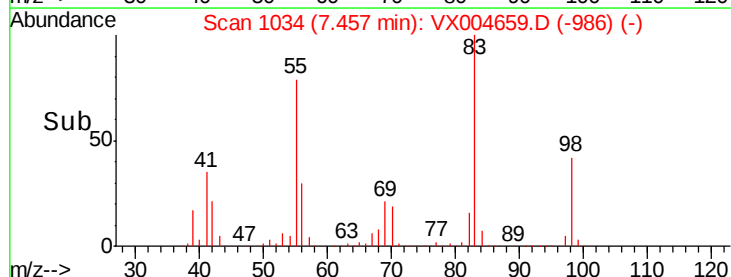
98 41.7 39.6 59.4

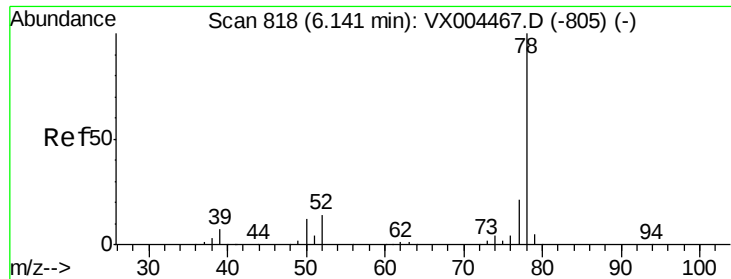


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.812 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

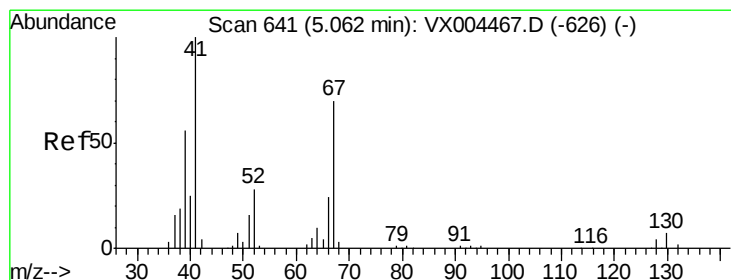
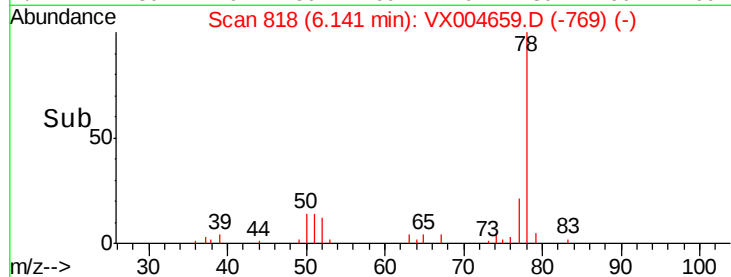
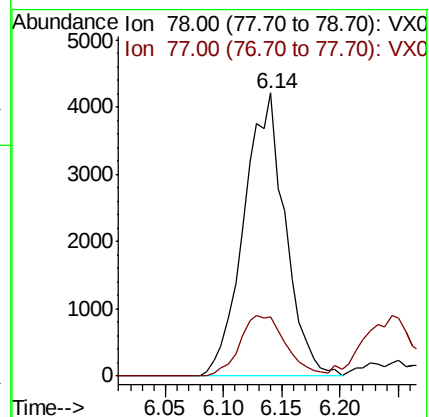
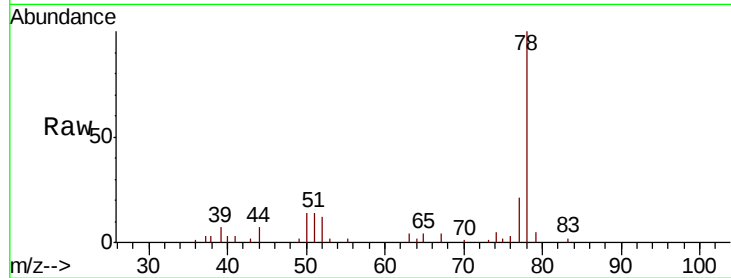
SP-PIT-1

Tgt Ion: 78 Resp: 10460

Ion Ratio Lower Upper

78 100

77 21.1 19.0 28.4



#41

Methacrylonitrile

Concen: 0.581 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.03 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Tgt Ion: 41 Resp: 1579

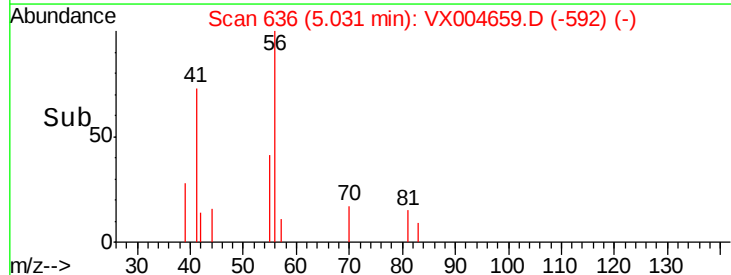
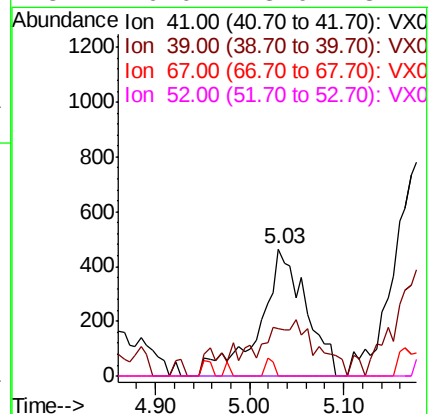
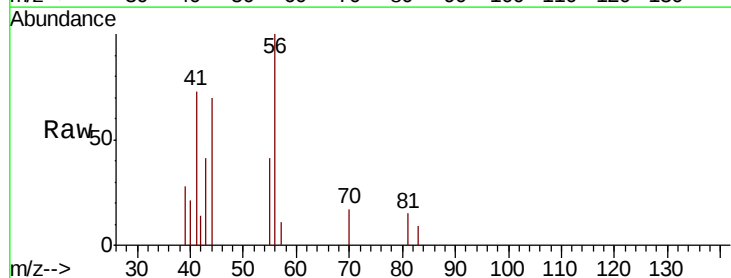
Ion Ratio Lower Upper

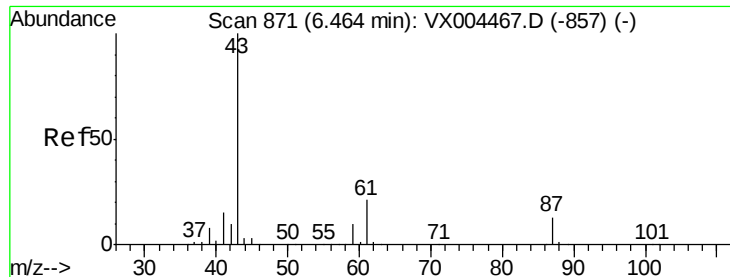
41 100

39 45.1 42.4 63.6

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#





#43

Isopropyl Acetate

Concen: 2.338 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.02 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

SP-PIT-1

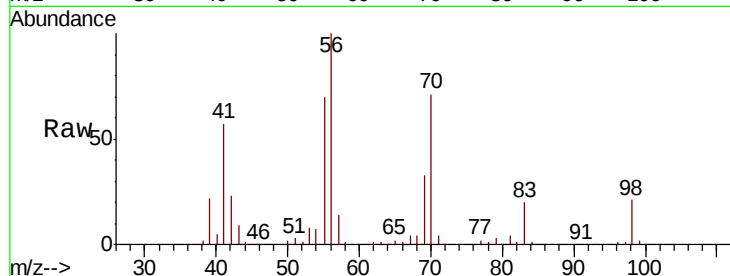
Tgt Ion: 43 Resp: 15328

Ion Ratio Lower Upper

43 100

61 1.0 17.0 25.4#

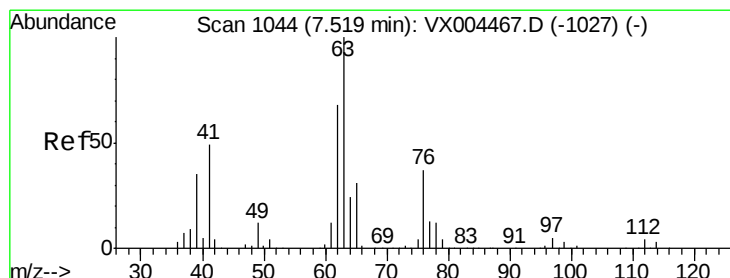
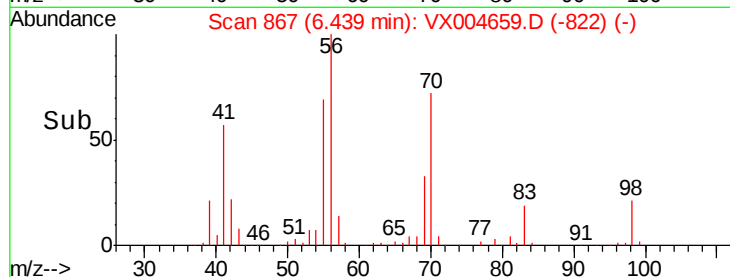
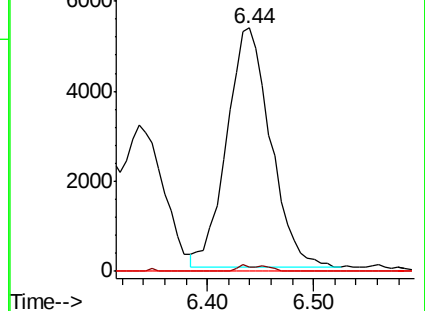
87 0.0 11.4 17.2#



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: 2.319 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.07 min

Lab File: VX004659.D

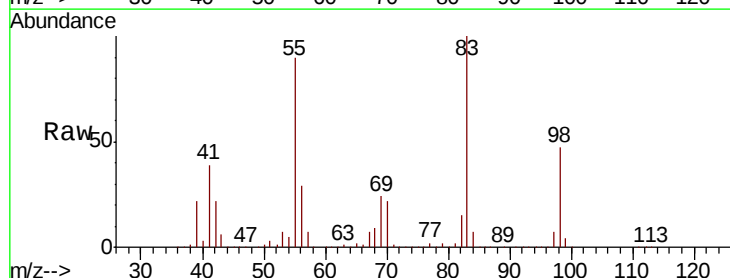
Acq: 18 Sep 2018 15:49

Tgt Ion: 63 Resp: 7186

Ion Ratio Lower Upper

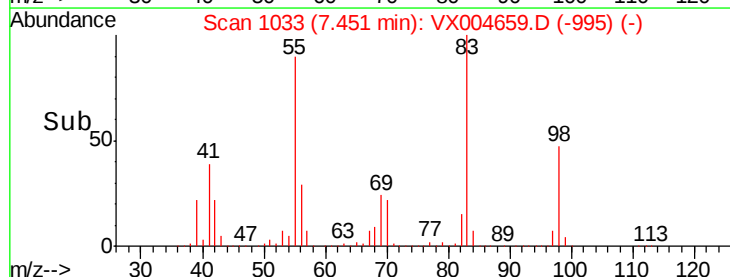
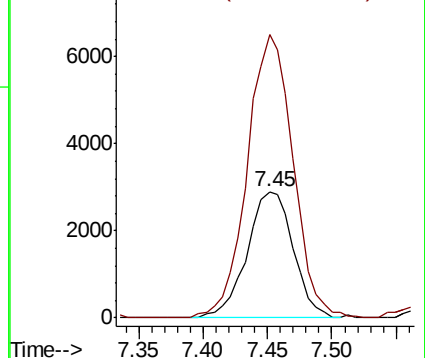
63 100

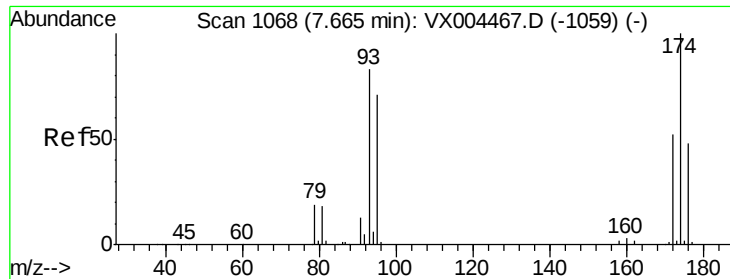
65 224.1 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 0.206 ug/l

RT: 7.62 min Scan# 1061

Delta R.T. -0.04 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampled :

SP-PIT-1

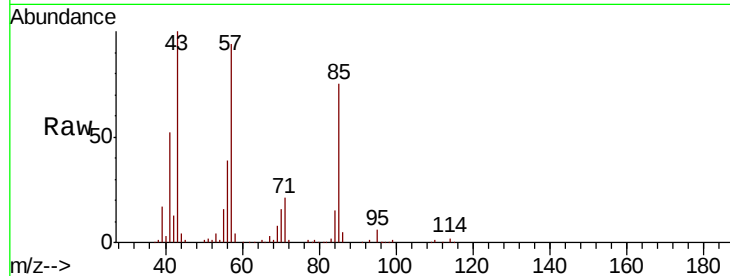
Tgt Ion: 93 Resp: 403

Ion Ratio Lower Upper

93 100

95 1173.9 65.5 98.3#

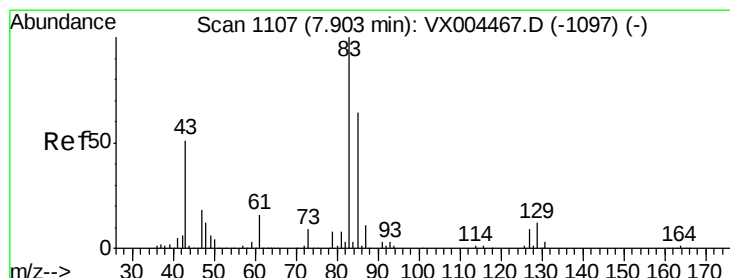
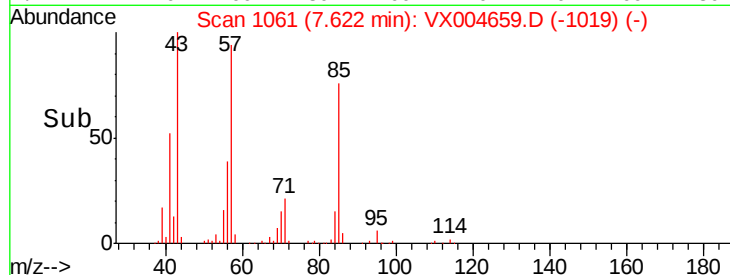
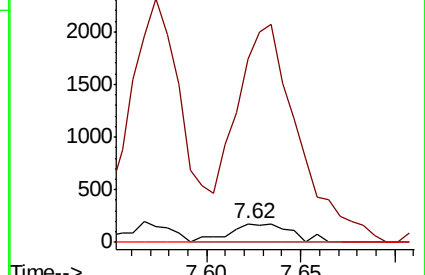
174 0.0 94.2 141.4#



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 1.552 ug/l

RT: 7.94 min Scan# 1113

Delta R.T. 0.04 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

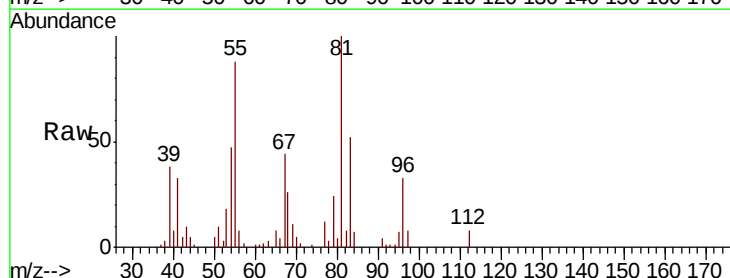
Tgt Ion: 83 Resp: 5744

Ion Ratio Lower Upper

83 100

85 0.0 50.9 76.3#

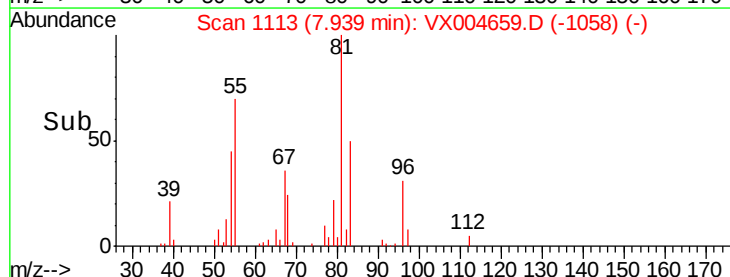
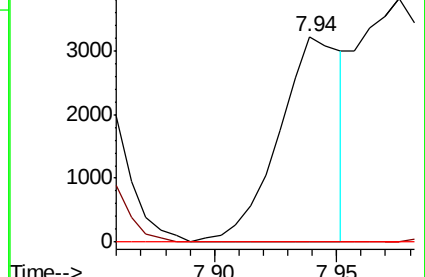
127 0.0 7.3 10.9#

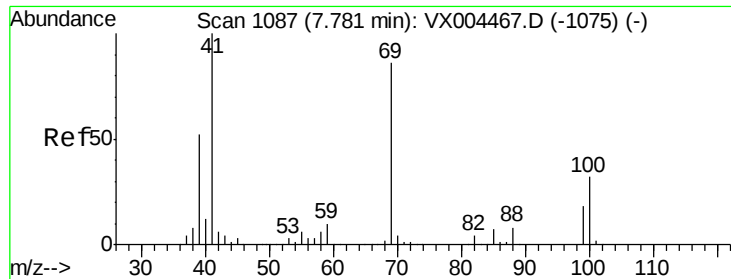


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 0.521 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampled :

SP-PIT-1

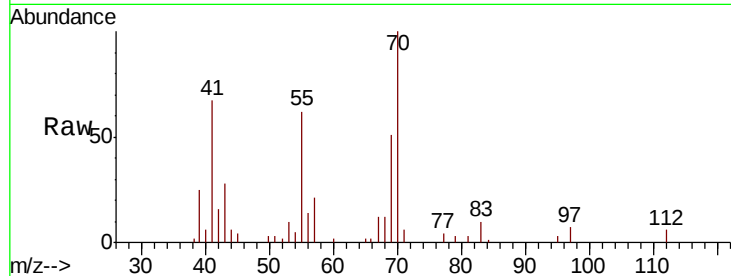
Tgt Ion: 41 Resp: 1690

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

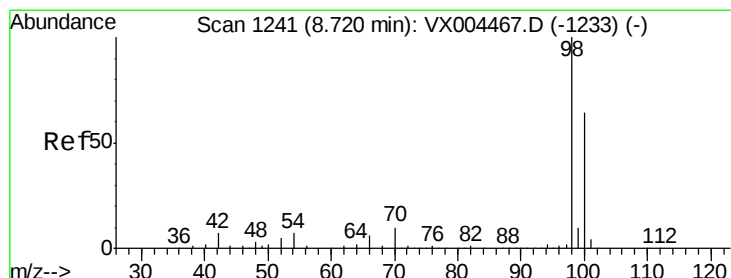
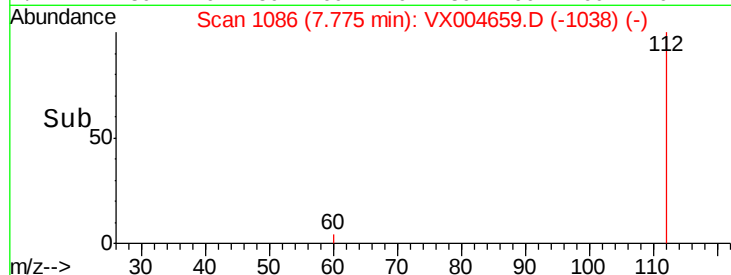
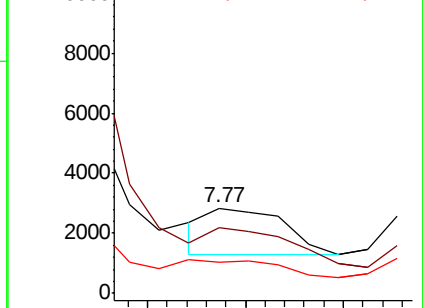
39 0.0 42.7 64.1#



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: 43.277 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004659.D

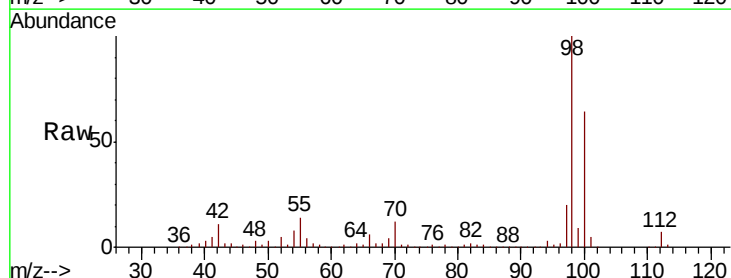
Acq: 18 Sep 2018 15:49

Tgt Ion: 98 Resp: 474740

Ion Ratio Lower Upper

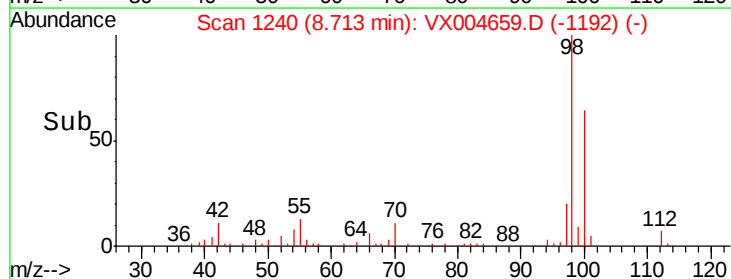
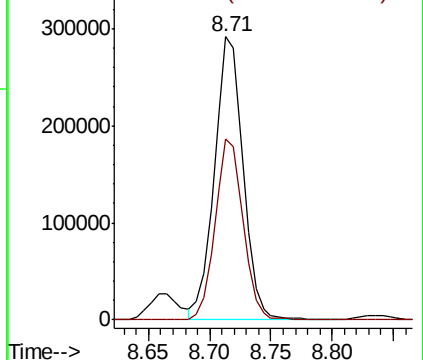
98 100

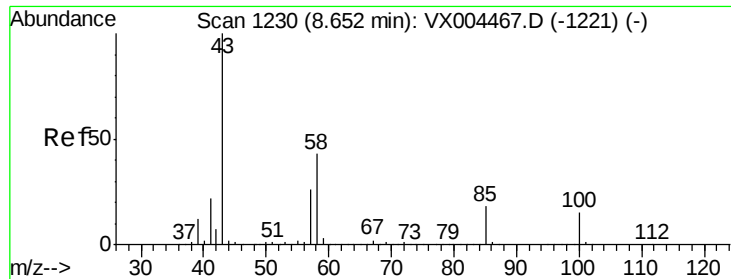
100 62.8 52.9 79.3



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: 13.296 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

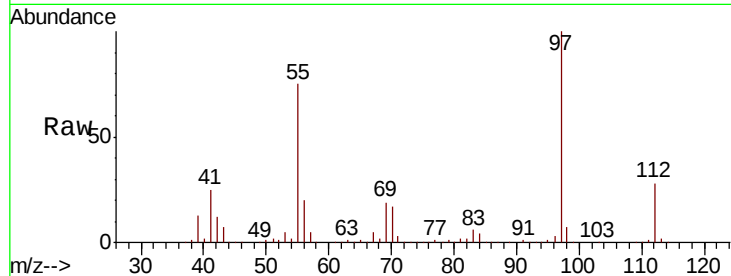
SP-PIT-1

Tgt Ion: 43 Resp: 61514

Ion Ratio Lower Upper

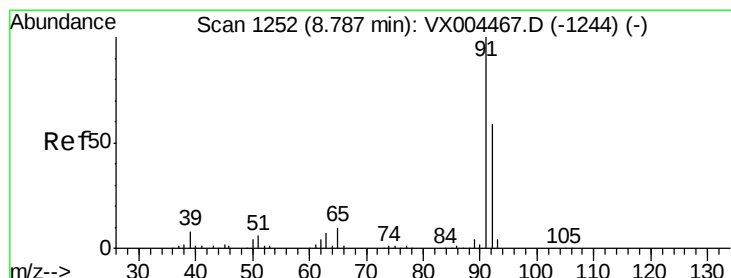
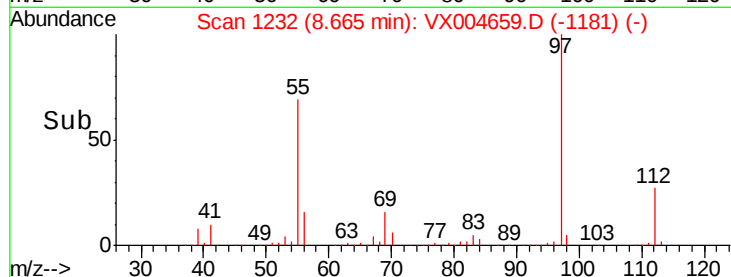
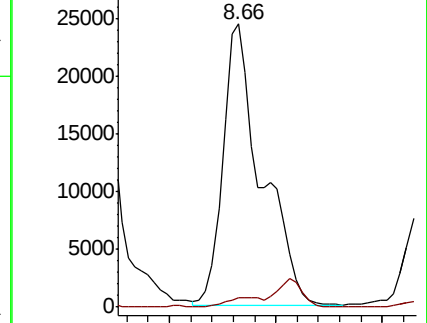
43 100

58 3.2 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.716 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004659.D

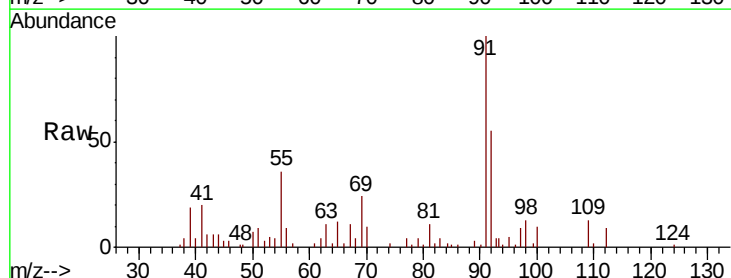
Acq: 18 Sep 2018 15:49

Tgt Ion: 92 Resp: 5430

Ion Ratio Lower Upper

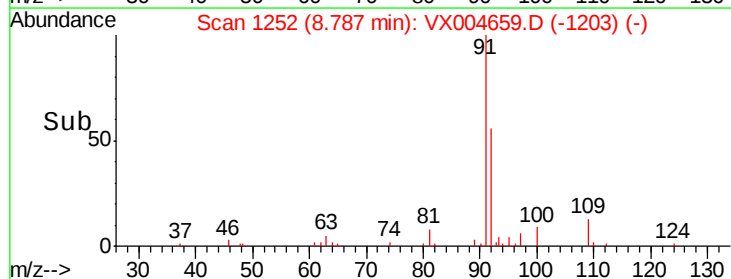
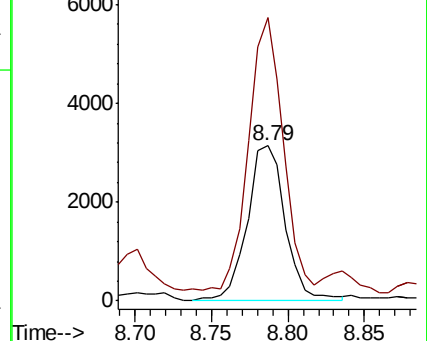
92 100

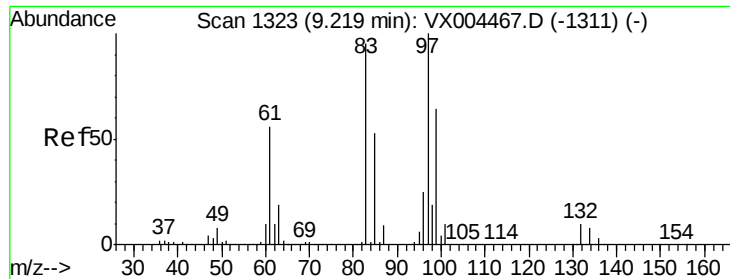
91 157.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

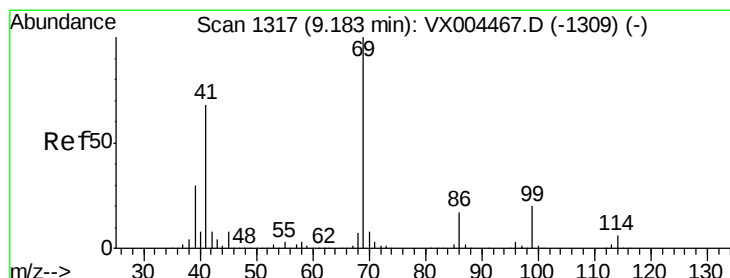
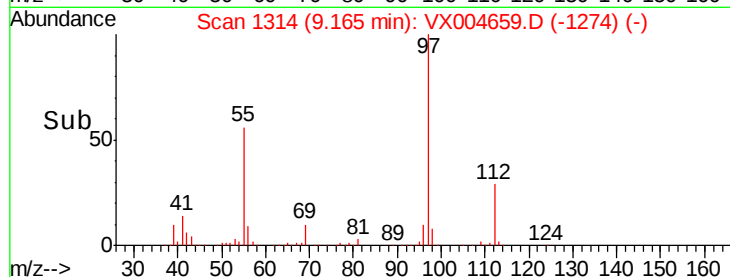
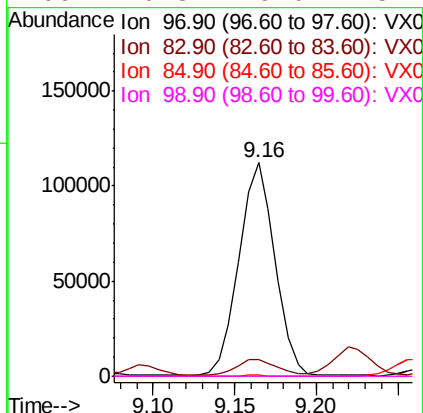
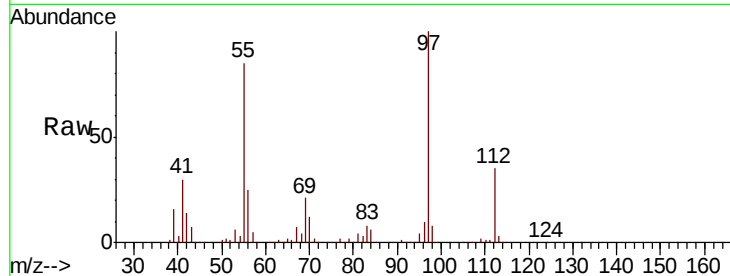




#55
 1,1,2-Trichloroethane
 Concen: 52.894 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

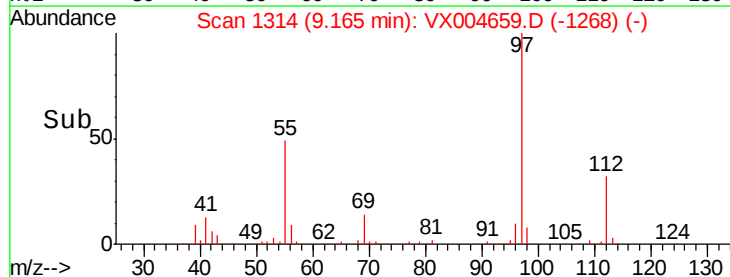
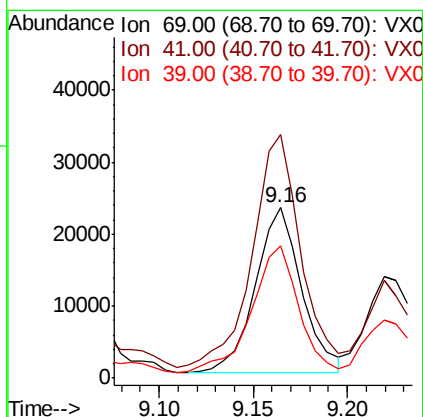
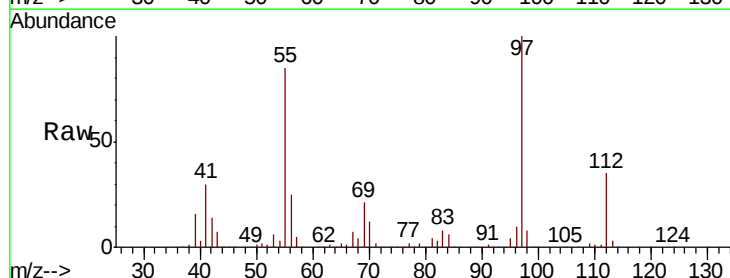
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-PIT-1

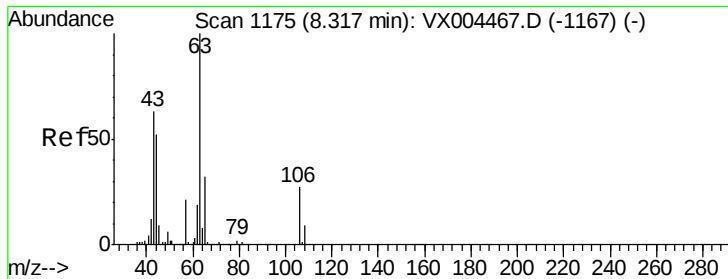
Tgt Ion:	97	Resp:	172781
Ion	Ratio	Lower	Upper
97	100		
83	7.7	66.4	99.6#
85	0.3	43.3	64.9#
99	0.3	49.0	73.4#



#56
 Ethyl methacrylate
 Concen: 8.489 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Tgt Ion:	69	Resp:	39229
Ion	Ratio	Lower	Upper
69	100		
41	145.7	51.0	76.4#
39	77.4	26.1	39.1#

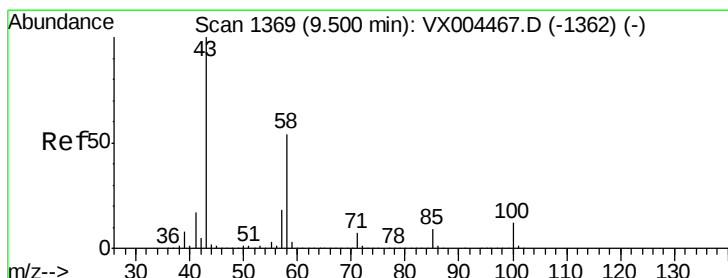
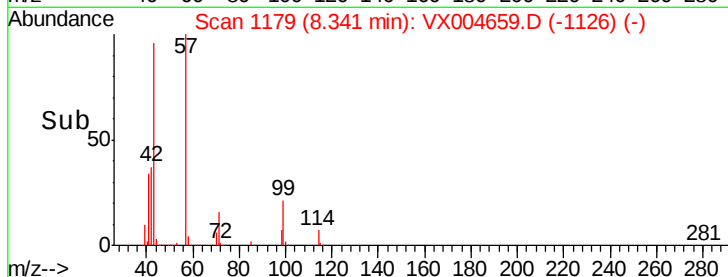
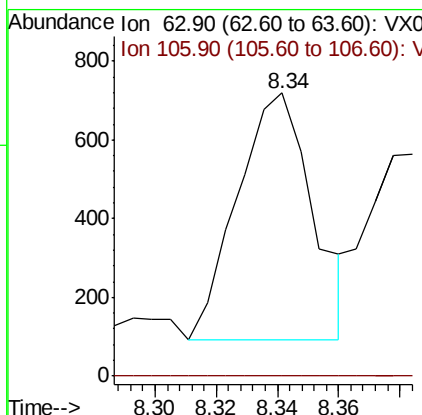
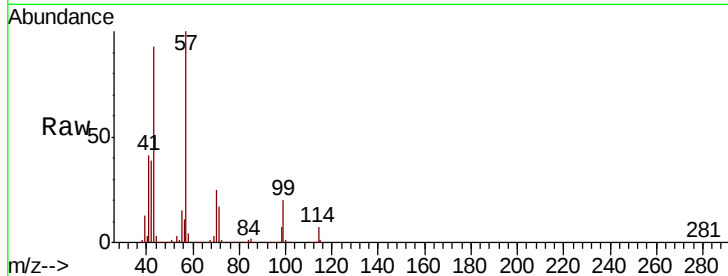




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.714 ug/l
 RT: 8.34 min Scan# 1179
 Delta R.T. 0.02 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

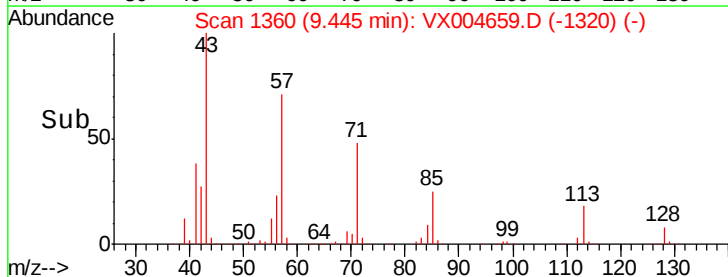
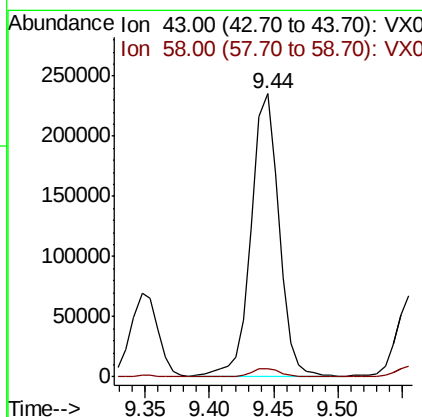
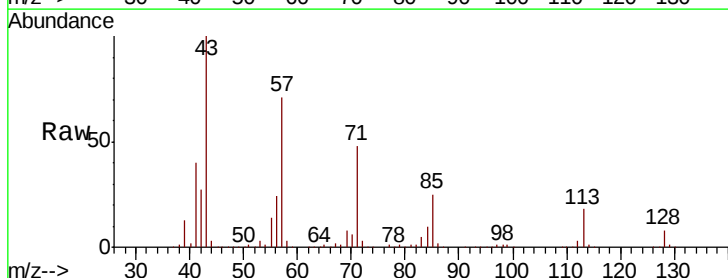
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-PIT-1

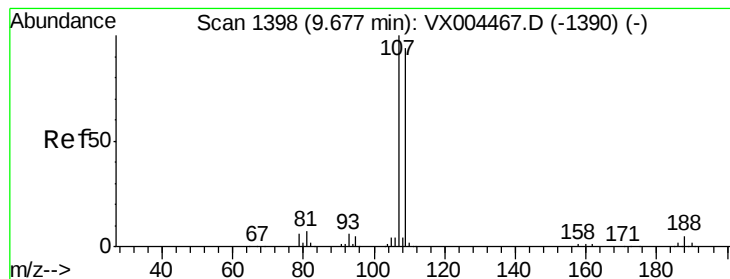
Tgt Ion: 63 Resp: 1073
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#59
 2-Hexanone
 Concen: 97.750 ug/l
 RT: 9.44 min Scan# 1360
 Delta R.T. -0.05 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Tgt Ion: 43 Resp: 346880
 Ion Ratio Lower Upper
 43 100
 58 3.3 29.0 87.0#





#61

1,2-Dibromoethane

Concen: 0.281 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

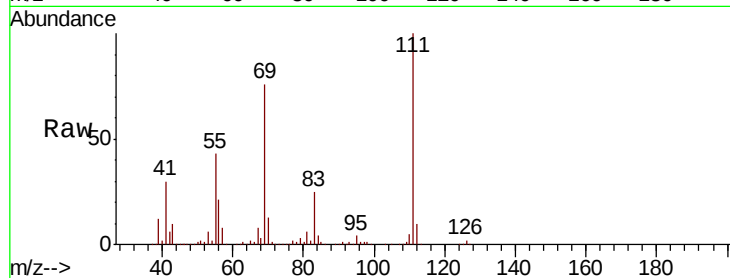
SP-PIT-1

Tgt Ion: 107 Resp: 877

Ion Ratio Lower Upper

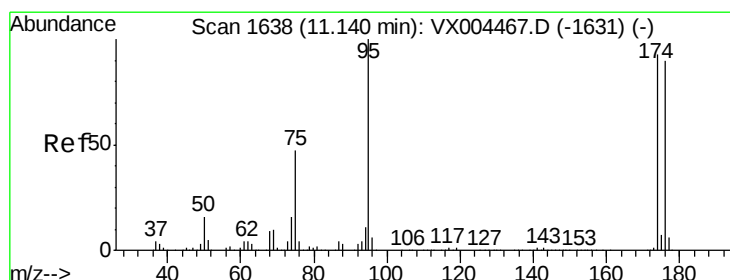
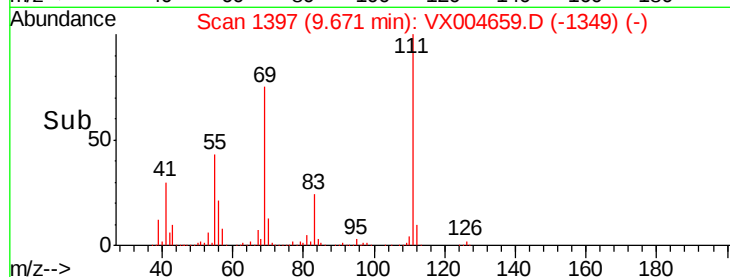
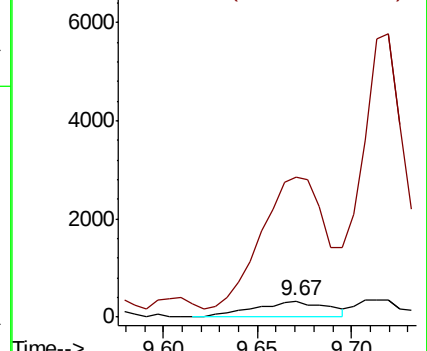
107 100

109 748.2 76.0 114.0#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.385 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

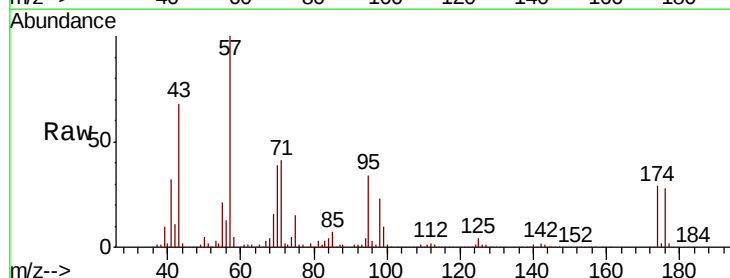
Tgt Ion: 95 Resp: 197297

Ion Ratio Lower Upper

95 100

174 86.5 0.0 185.2

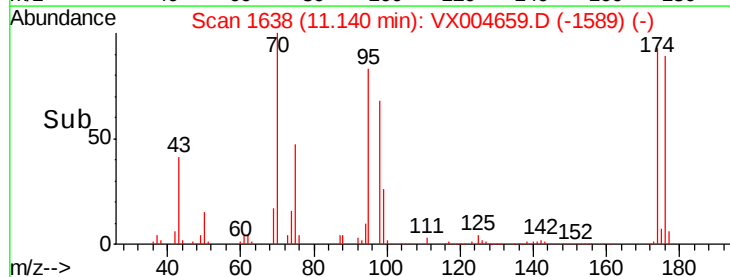
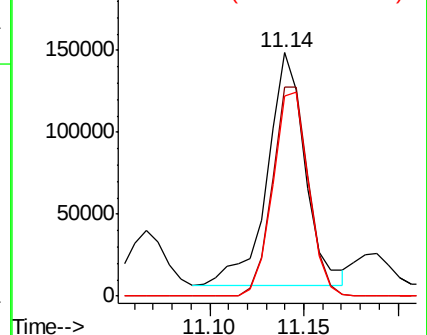
176 83.3 0.0 178.6

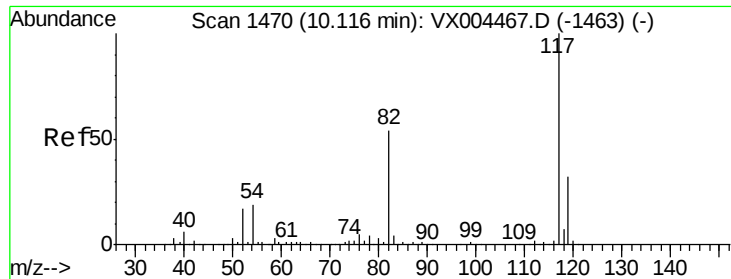


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

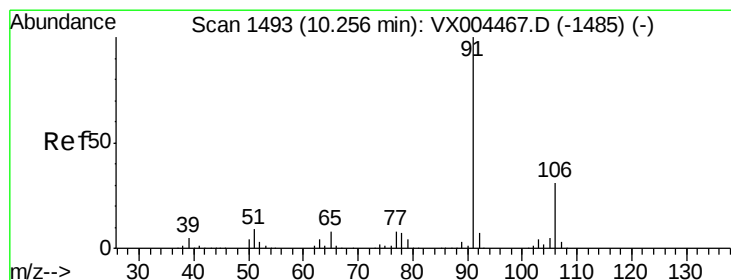
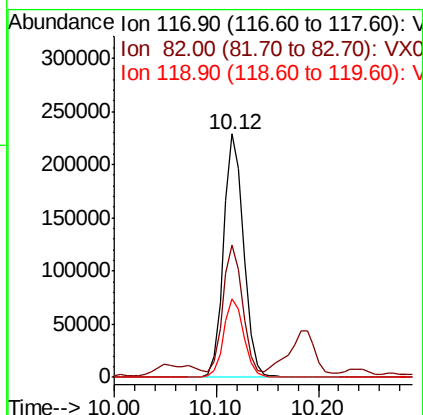
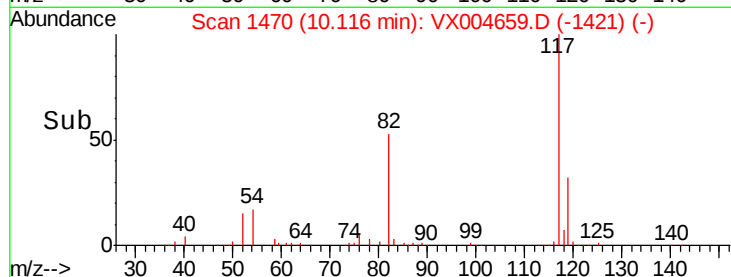
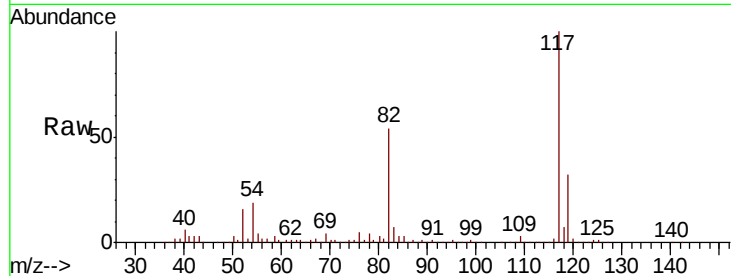




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

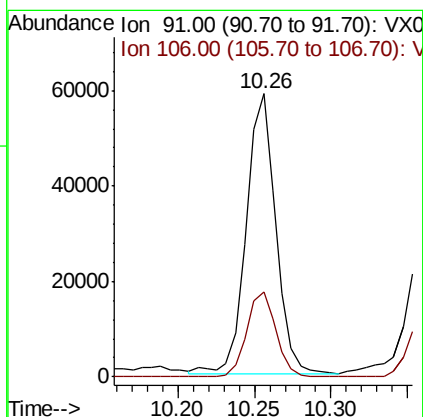
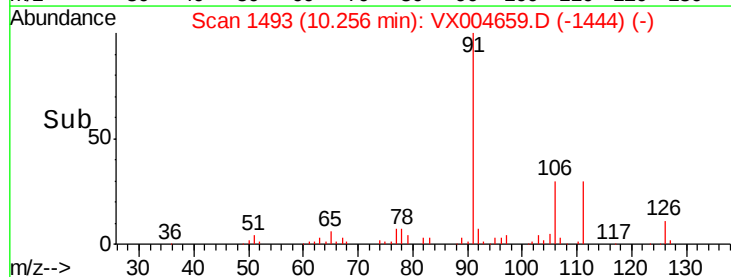
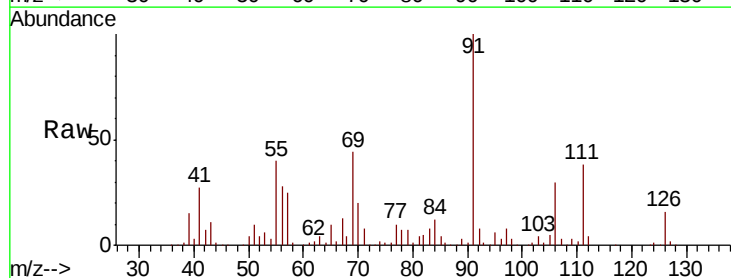
Instrument :
MSVOA_X
ClientSampled :
SP-PIT-1

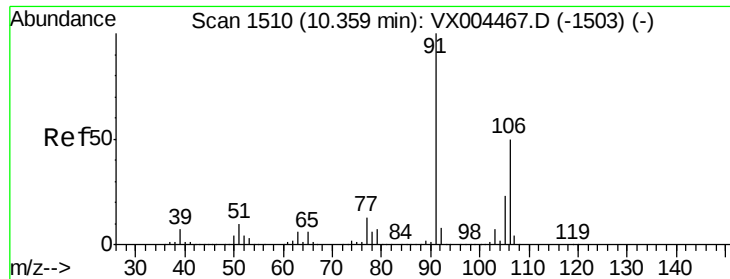
Tgt Ion: 117 Resp: 312973
Ion Ratio Lower Upper
117 100
82 52.8 47.8 71.6
119 32.3 29.3 43.9



#67
Ethyl Benzene
Concen: 6.171 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion: 91 Resp: 78013
Ion Ratio Lower Upper
91 100
106 30.3 25.9 38.9

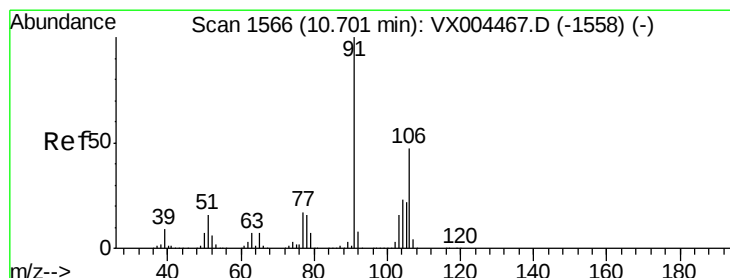
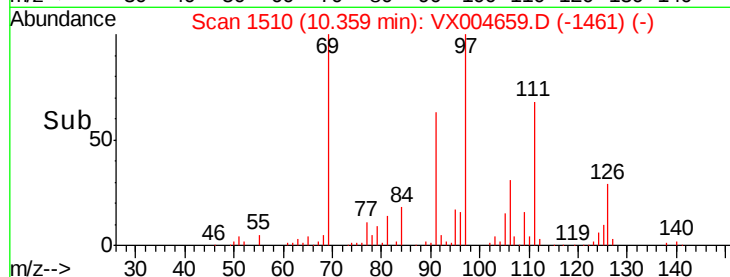
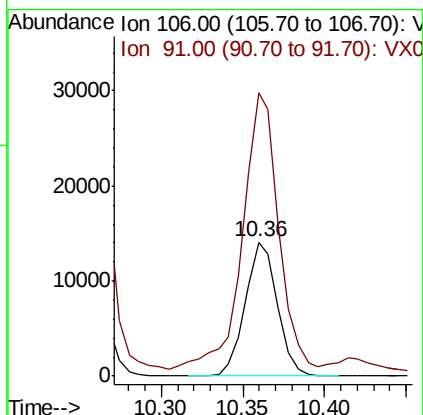
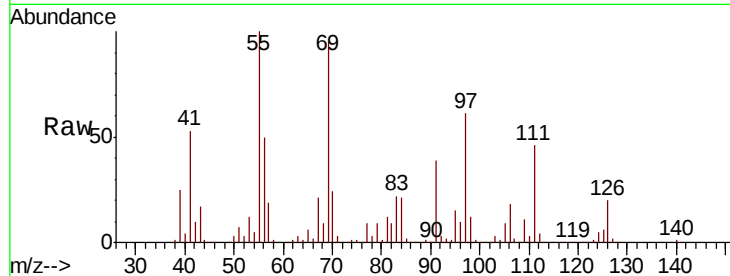




#68
m/p-Xylenes
Concen: 3.996 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

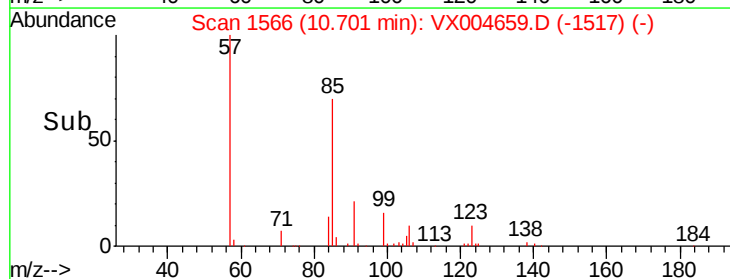
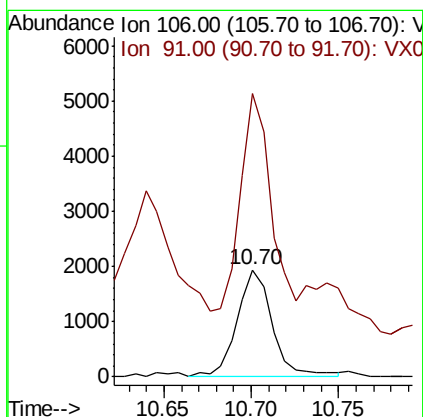
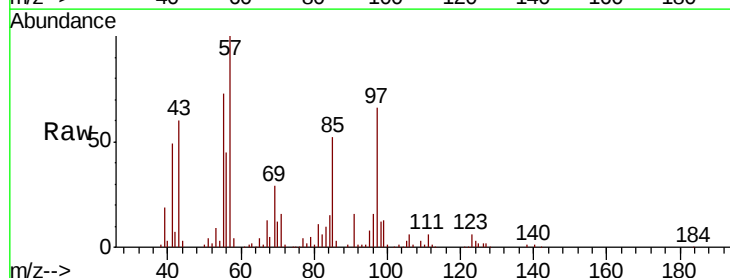
Instrument :
MSVOA_X
ClientSampleId :
SP-PIT-1

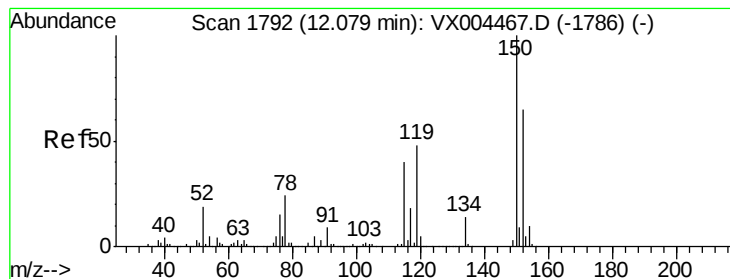
Tgt Ion:106 Resp: 19460
Ion Ratio Lower Upper
106 100
91 231.0 157.1 235.7



#69
o-Xylene
Concen: 0.590 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion:106 Resp: 2761
Ion Ratio Lower Upper
106 100
91 166.3 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

SP-PIT-1

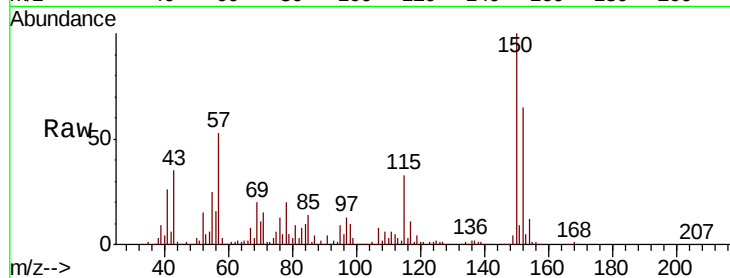
Tgt Ion:152 Resp: 195934

Ion Ratio Lower Upper

152 100

115 59.1 39.0 117.0

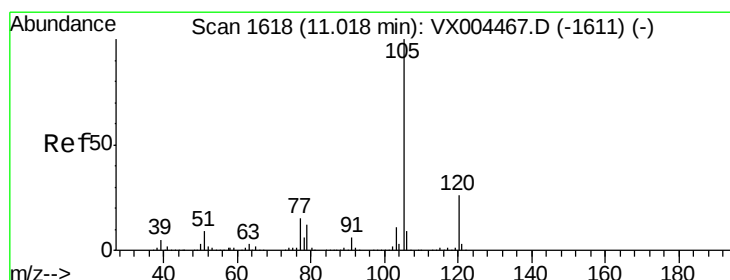
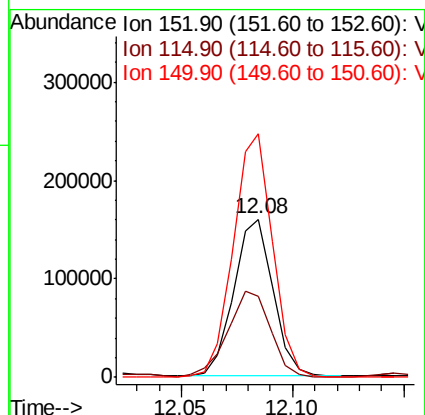
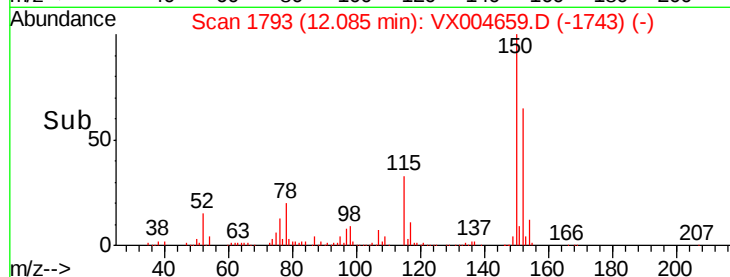
150 154.8 0.0 351.0



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: 13.735 ug/l

RT: 11.02 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VX004659.D

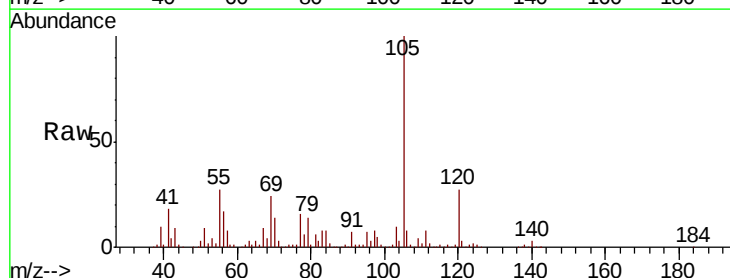
Acq: 18 Sep 2018 15:49

Tgt Ion:105 Resp: 177240

Ion Ratio Lower Upper

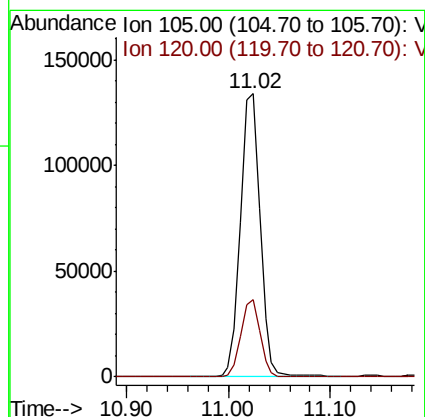
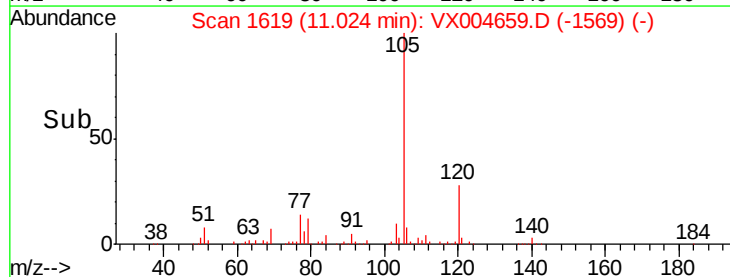
105 100

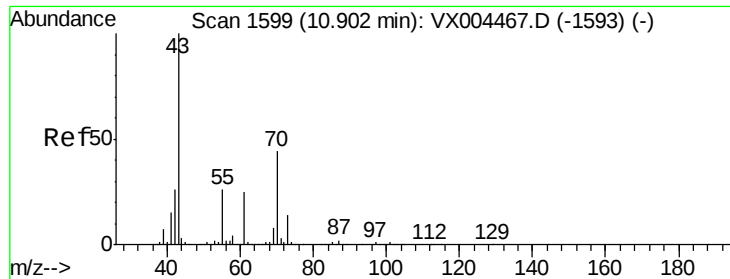
120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 31.939 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampled :

SP-PIT-1

Tgt Ion: 43 Resp: 173474

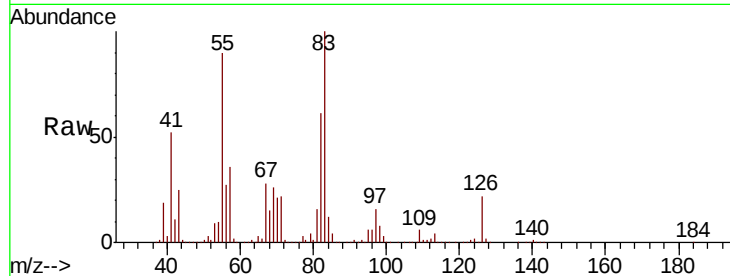
Ion Ratio Lower Upper

43 100

70 95.8 37.4 56.0#

55 333.4 21.8 32.8#

61 0.2 20.6 30.8#

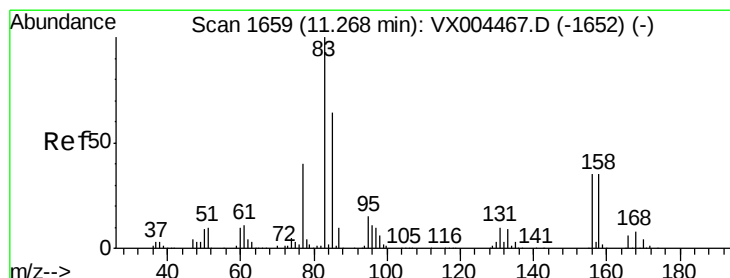
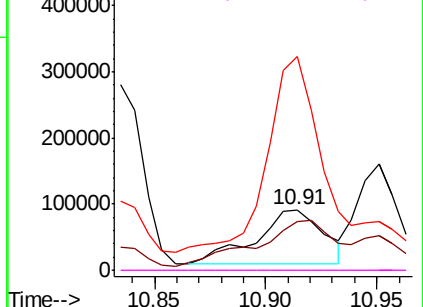
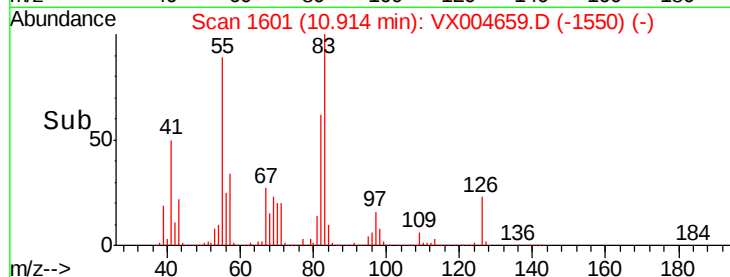


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 28.659 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

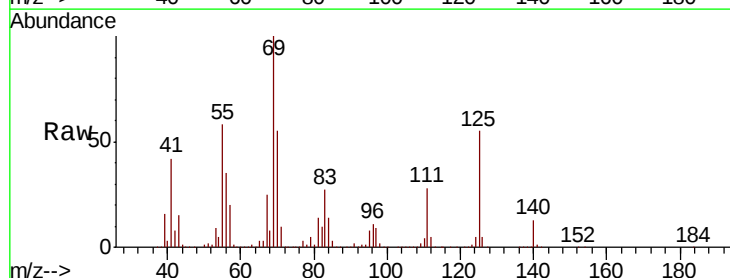
Tgt Ion: 83 Resp: 119286

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

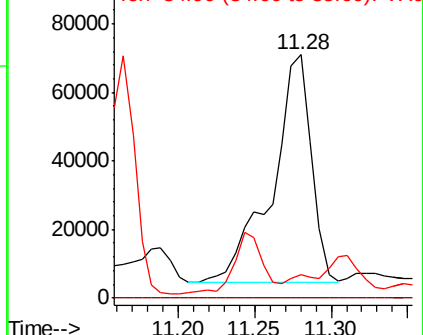
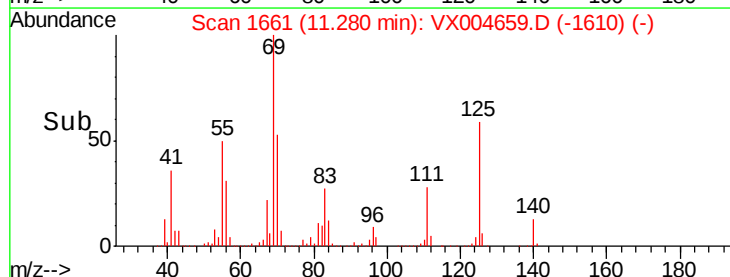
85 0.0 32.3 96.8#

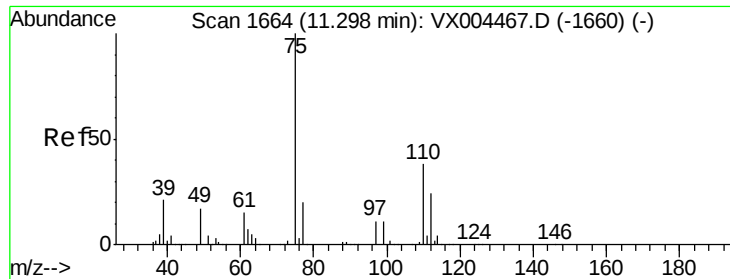


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

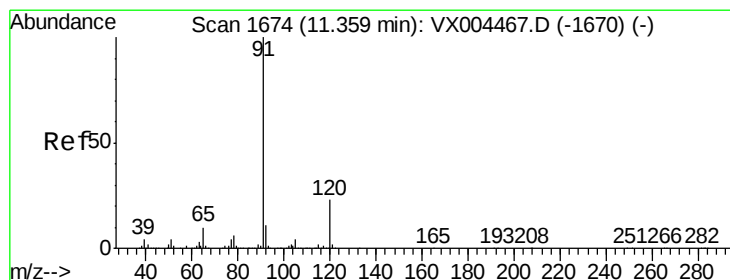
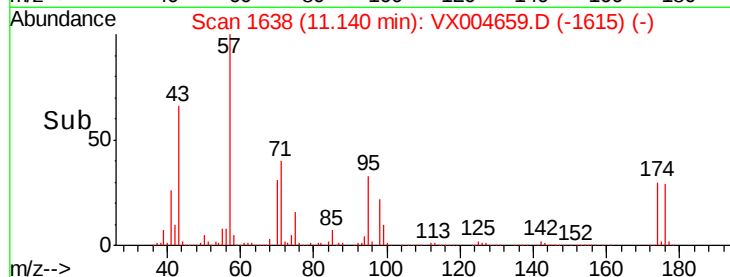
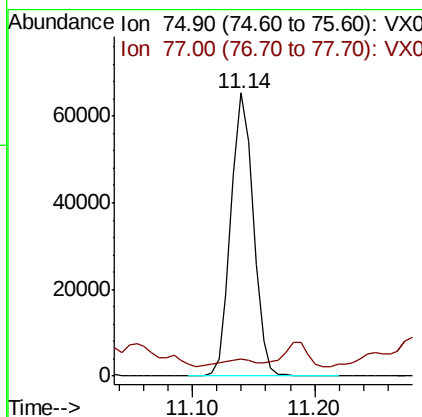
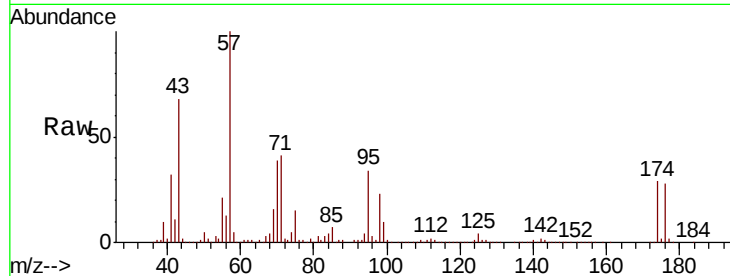




#76
 1,2,3-Trichloropropane
 Concen: 21.079 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

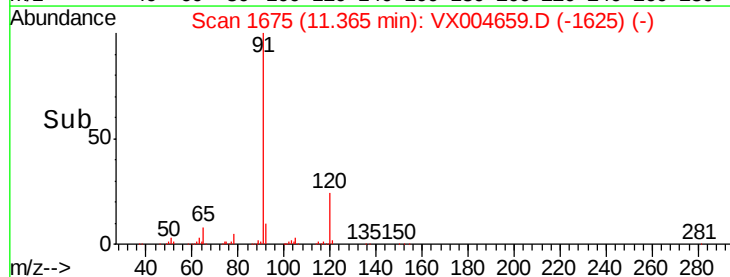
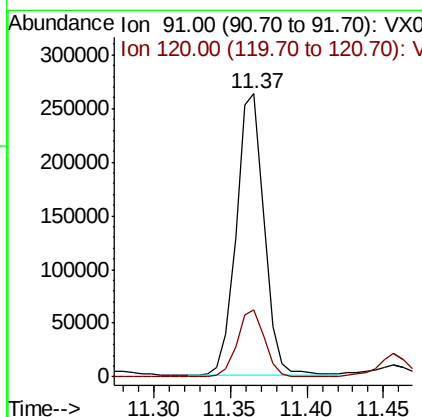
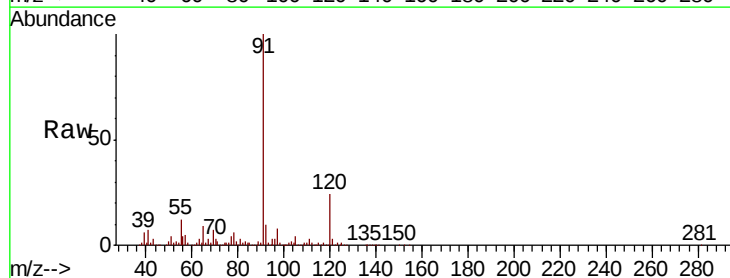
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-PIT-1

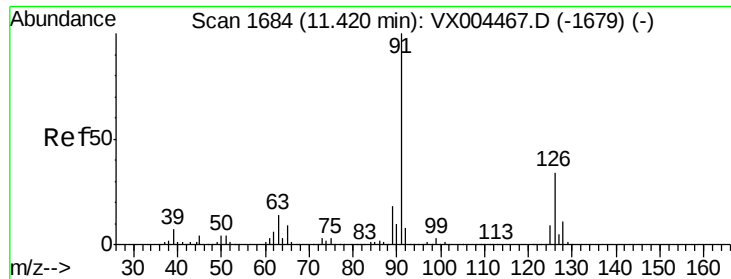
Tgt Ion: 75 Resp: 83092
 Ion Ratio Lower Upper
 75 100
 77 3.6 20.2 60.6#



#78
 n-propylbenzene
 Concen: 22.376 ug/l
 RT: 11.37 min Scan# 1675
 Delta R.T. 0.01 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Tgt Ion: 91 Resp: 331991
 Ion Ratio Lower Upper
 91 100
 120 23.3 11.9 35.9

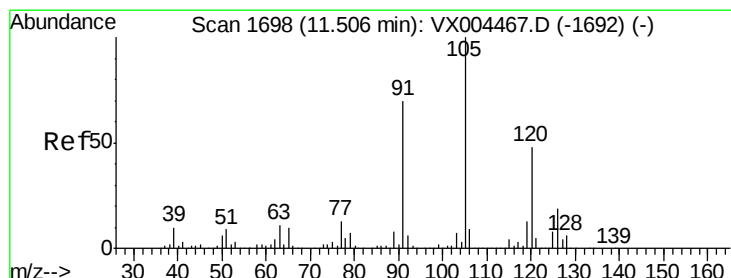
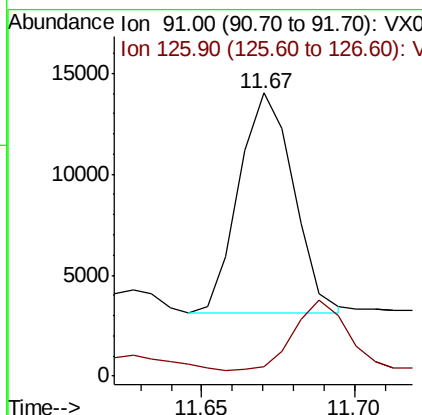
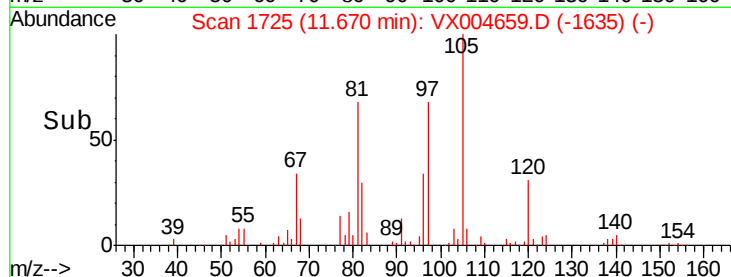
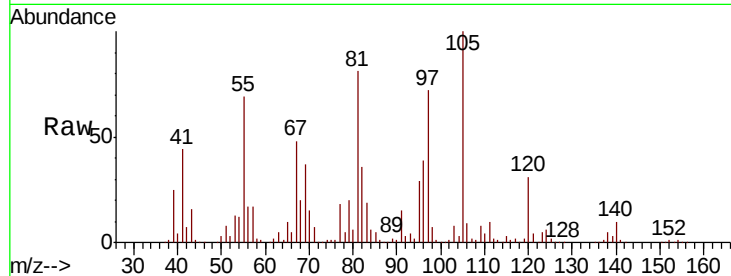




#79
 2-Chlorotoluene
 Concen: 1.503 ug/l
 RT: 11.67 min Scan# 1725
 Delta R.T. 0.25 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

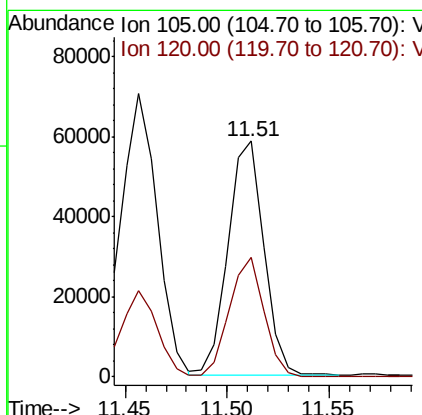
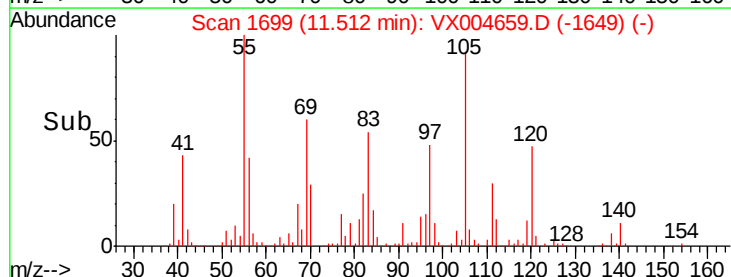
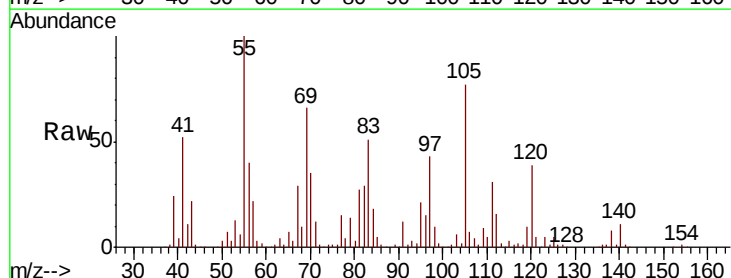
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-PIT-1

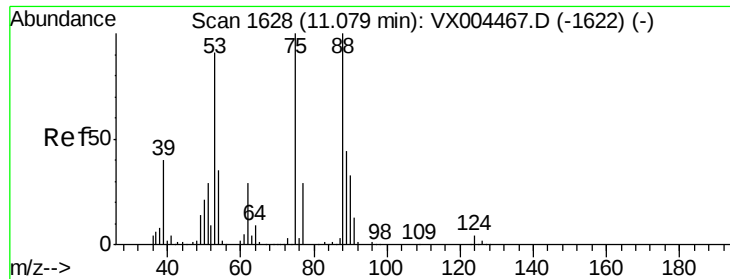
Tgt Ion: 91 Resp: 13521
 Ion Ratio Lower Upper
 91 100
 126 27.4 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 6.534 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Tgt Ion: 105 Resp: 70882
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.6 76.8

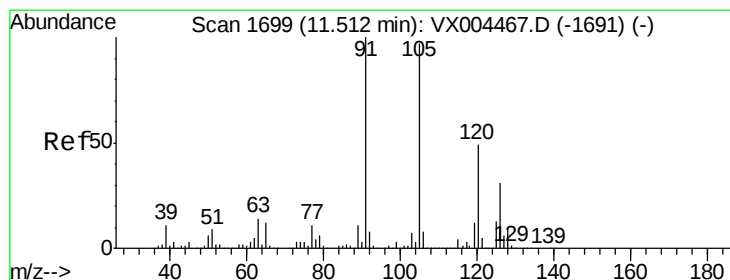
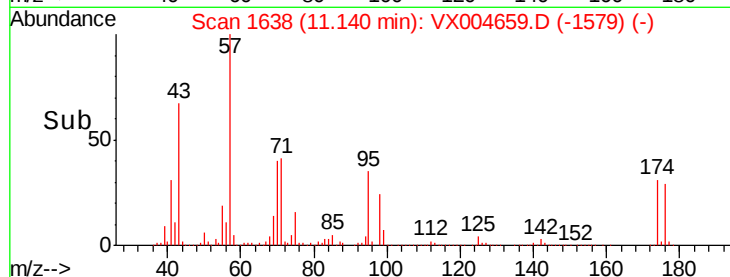
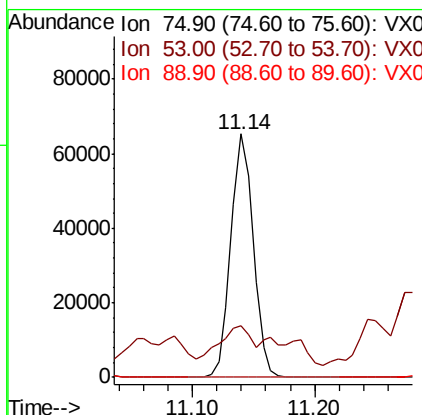
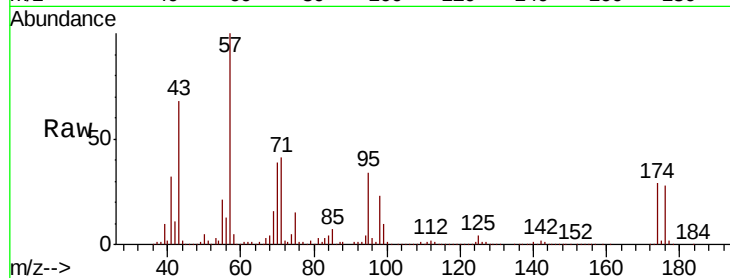




#81
trans-1,4-Dichloro-2-butene
Concen: 67.187 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

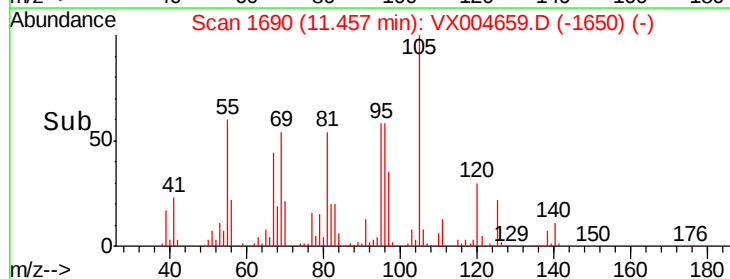
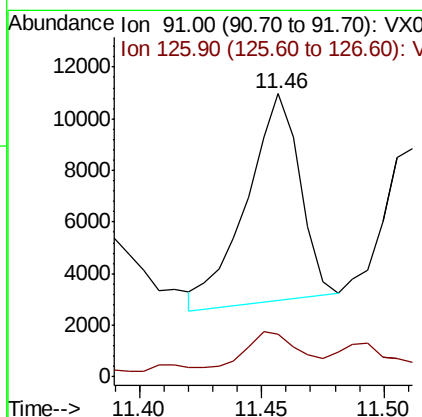
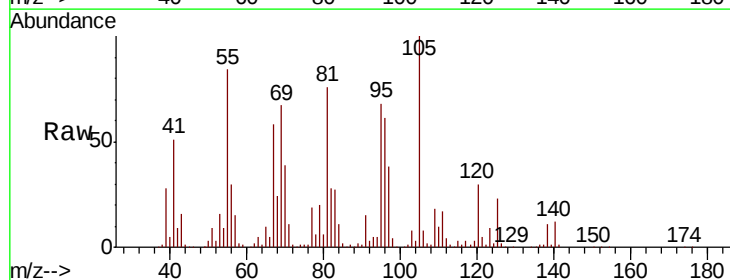
Instrument :
MSVOA_X
ClientSampled :
SP-PIT-1

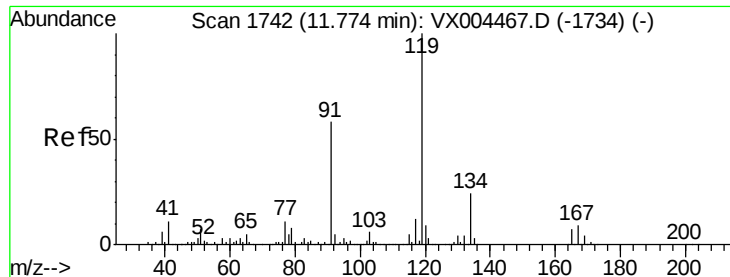
Tgt Ion: 75 Resp: 83092
Ion Ratio Lower Upper
75 100
53 17.8 80.1 120.1#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 1.170 ug/l
RT: 11.46 min Scan# 1690
Delta R.T. -0.05 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion: 91 Resp: 12293
Ion Ratio Lower Upper
91 100
126 16.6 15.5 46.5

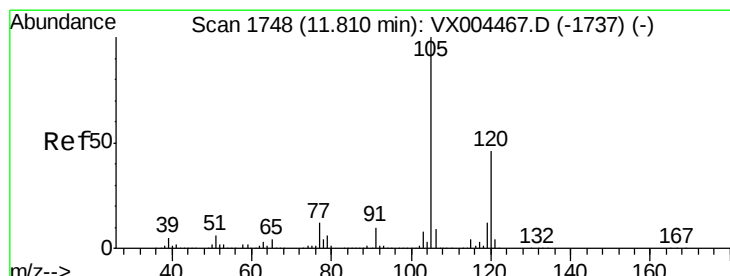
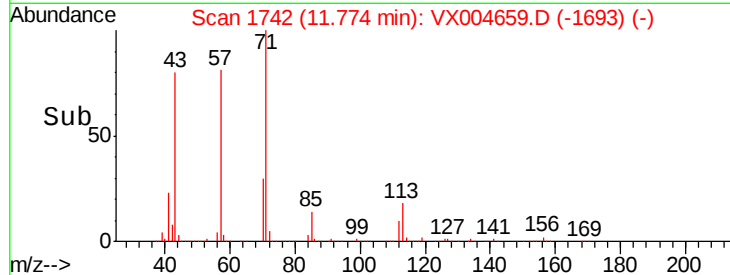
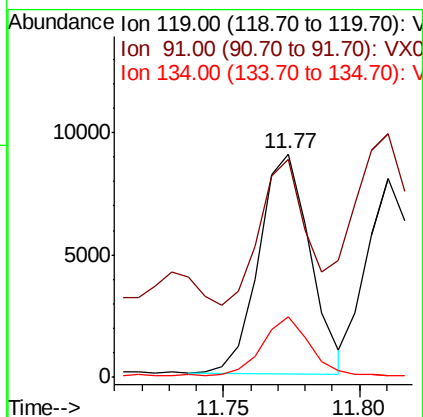
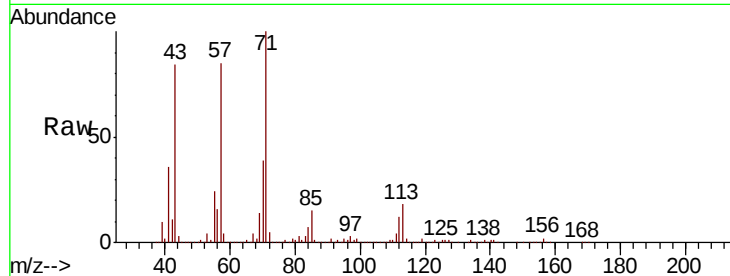




#83
tert-Butylbenzene
Concen: 1.135 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

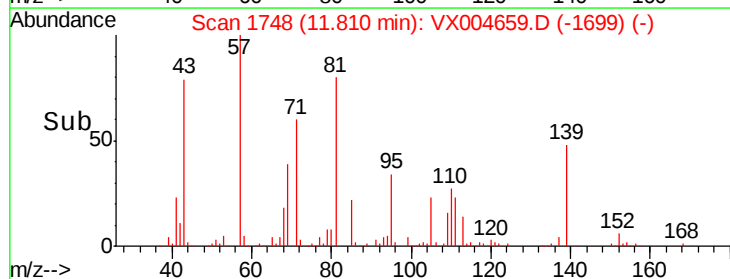
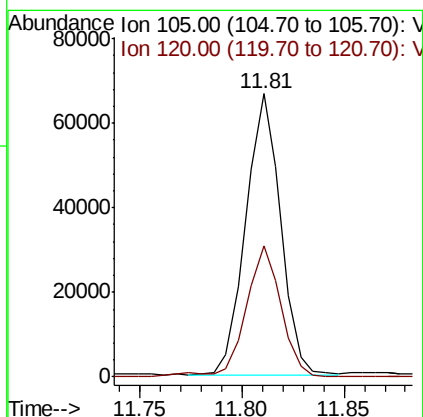
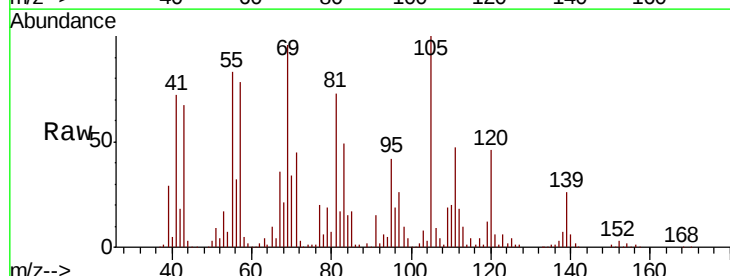
Instrument :
MSVOA_X
ClientSampled :
SP-PIT-1

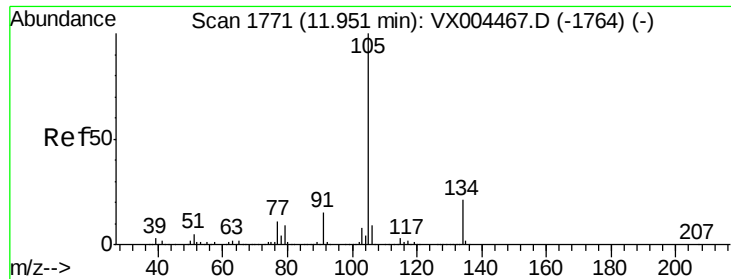
Tgt Ion:119 Resp: 11717
Ion Ratio Lower Upper
119 100
91 58.7 27.0 81.0
134 27.2 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 7.130 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion:105 Resp: 78966
Ion Ratio Lower Upper
105 100
120 45.3 23.2 69.6

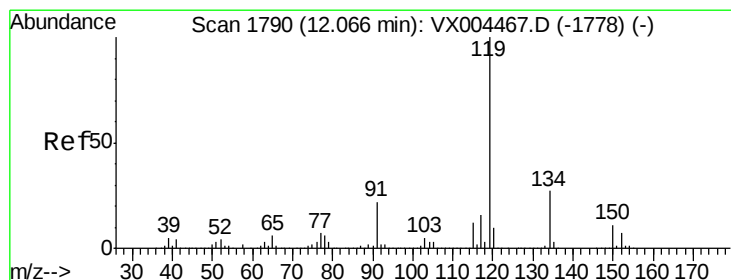
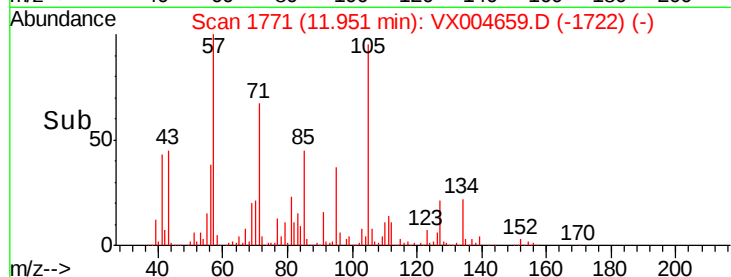
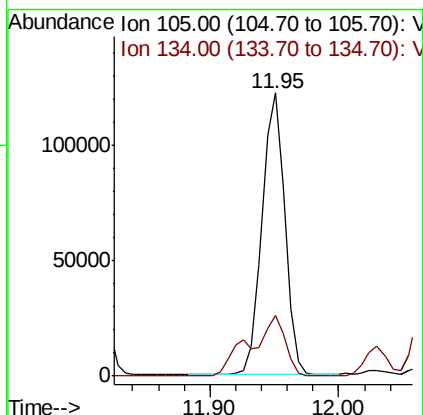
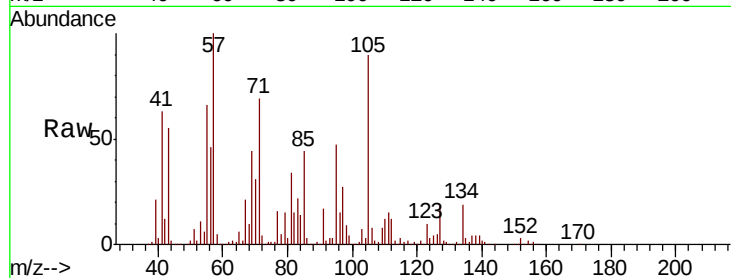




#85
 sec-Butylbenzene
 Concen: 11.344 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

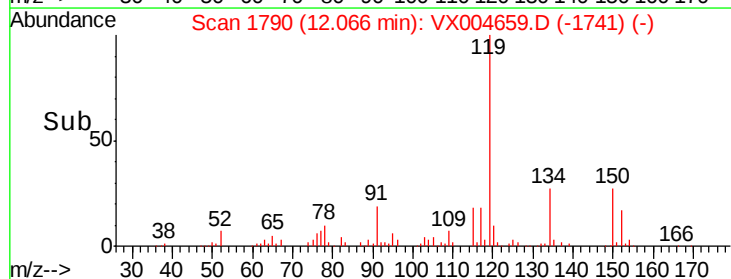
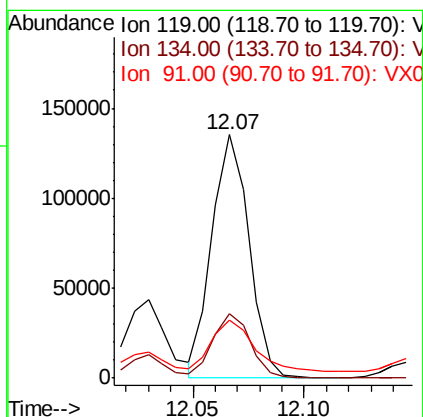
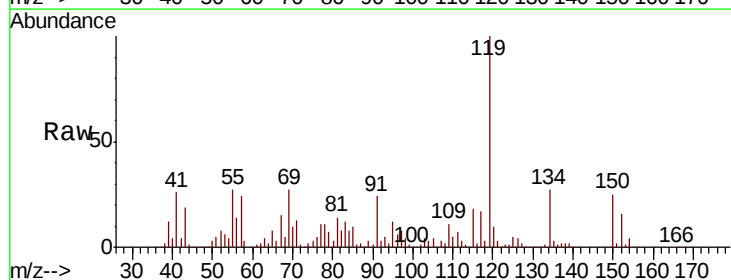
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-PIT-1

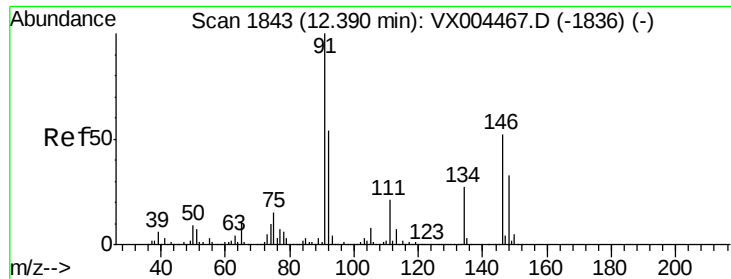
Tgt Ion:105 Resp: 149288
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 13.418 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Tgt Ion:119 Resp: 155941
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.2
 91 24.9 10.9 32.7

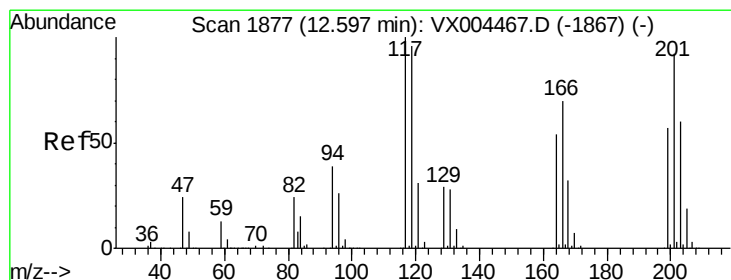
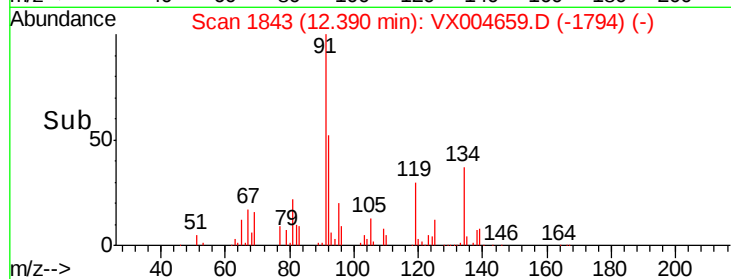
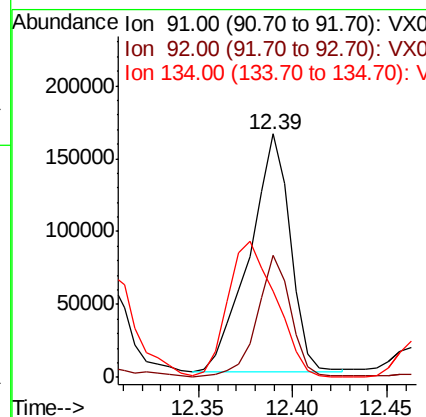
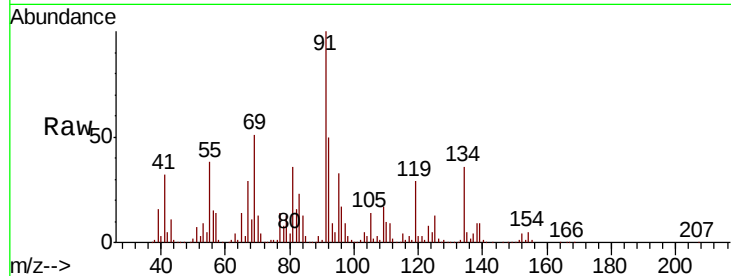




#89
n-Butylbenzene
Concen: 23.149 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

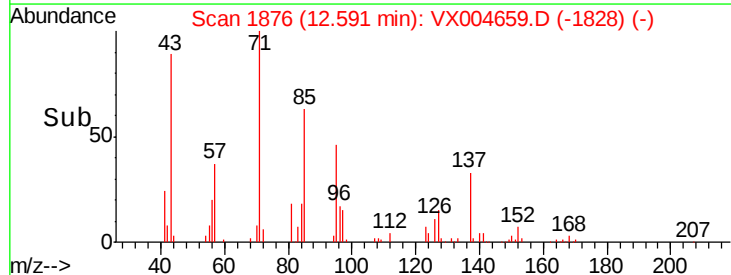
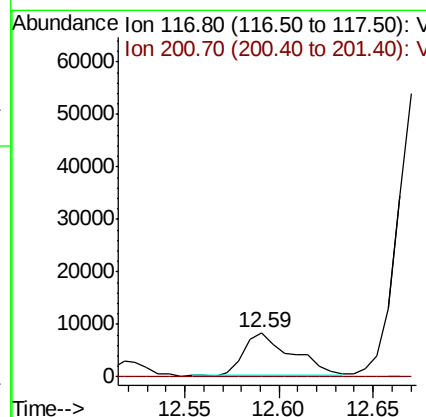
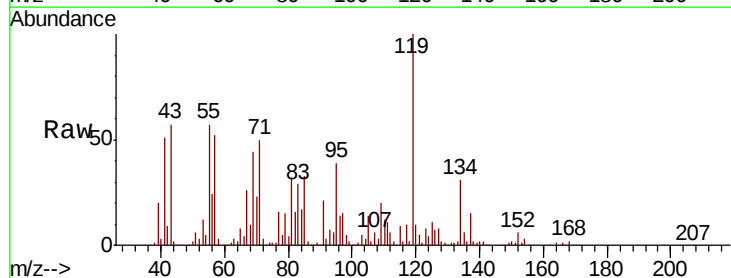
Instrument :
MSVOA_X
ClientSampled :
SP-PIT-1

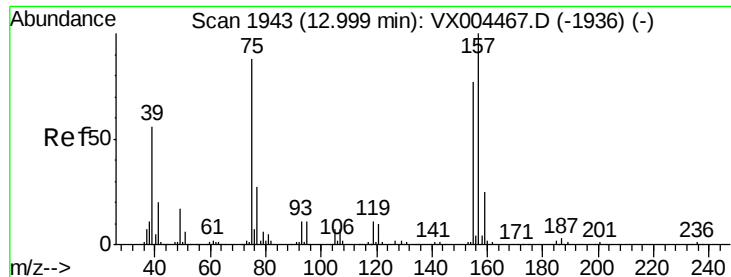
Tgt Ion: 91 Resp: 245164
Ion Ratio Lower Upper
91 100
92 41.0 27.3 81.9
134 66.9 13.6 40.7#



#90
Hexachloroethane
Concen: 7.768 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion: 117 Resp: 14452
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.518 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

SP-PIT-1

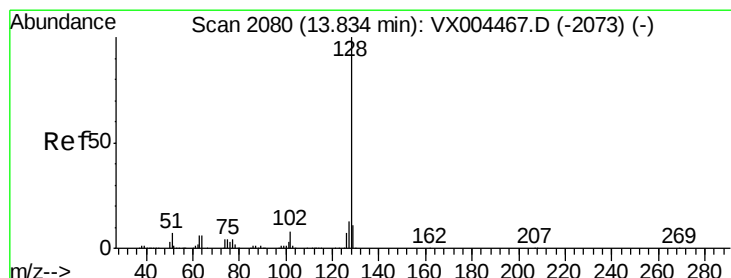
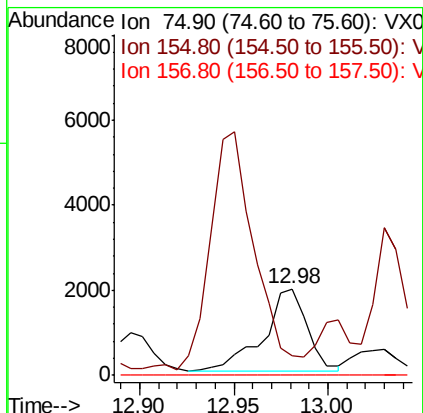
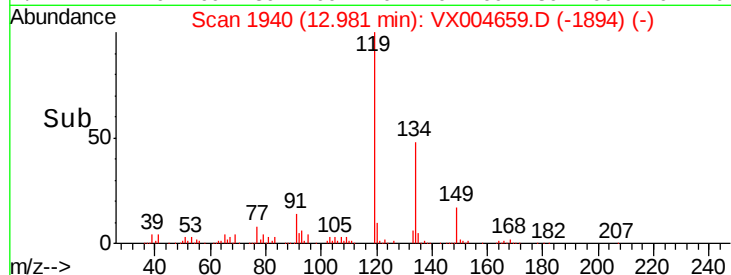
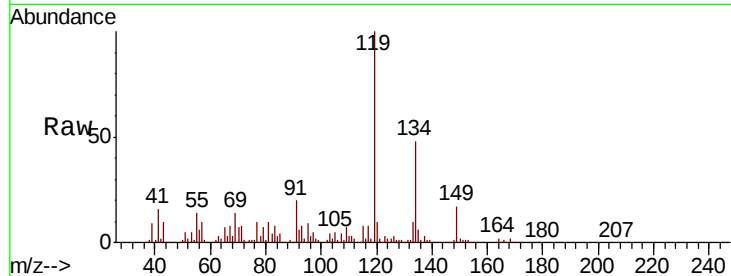
Tgt Ion: 75 Resp: 3127

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

157 0.0 61.4 184.1#



#95

Naphthalene

Concen: 11.550 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

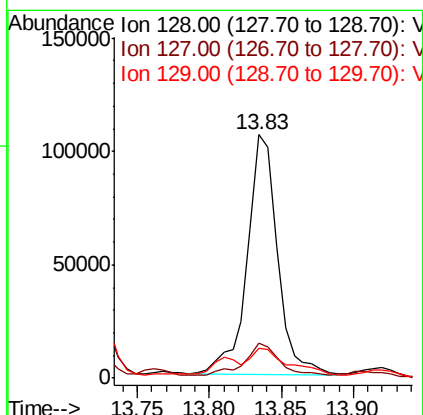
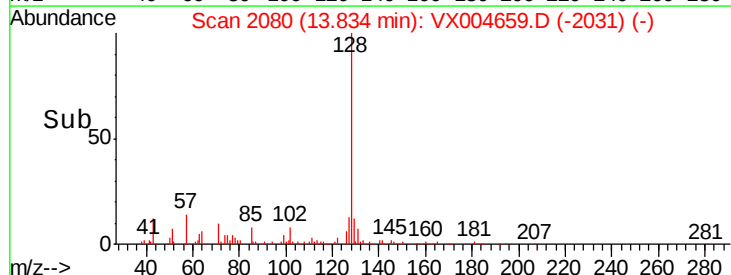
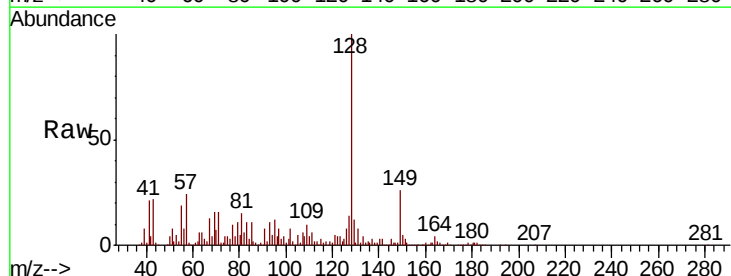
Tgt Ion: 128 Resp: 154491

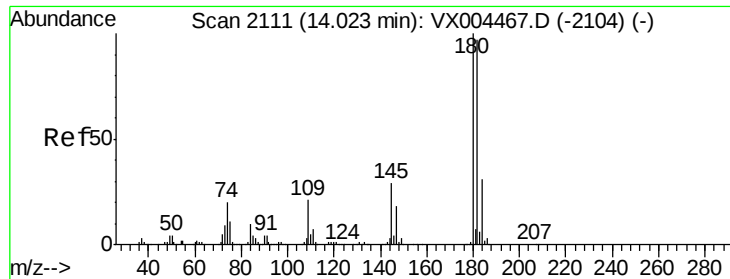
Ion Ratio Lower Upper

128 100

127 15.5 10.2 15.2#

129 14.2 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.775 ug/l
 RT: 14.04 min Scan# 2113
 Delta R.T. 0.01 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-PIT-1

Tgt Ion:180 Resp: 3795
 Ion Ratio Lower Upper
 180 100
 182 24.0 48.5 145.6#
 145 1849.3 14.9 44.9#

