

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004690.D
 Acq On : 19 Sep 2018 06:29
 Operator : JC/MD
 Sample : J4952-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 19 12:21:08 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	5.66	168	251591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	340306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	317997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	152904	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	5.50	113	143082	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
50) Toluene-d8	8.71	98	471774	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
62) 4-Bromofluorobenzene	11.14	95	171716	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

Target Compounds

					Qvalue
5) Bromomethane	1.66	94	455	Below Cal	83
10) Methyl Iodide	2.53	142	129	4.292 ug/l #	60
11) Tert butyl alcohol	3.06	59	388	0.501 ug/l #	72
13) Acrolein	2.26	56	208	0.681 ug/l #	1
15) Acrylonitrile	3.17	53	395	0.212 ug/l #	40
16) Acetone	2.45	43	37569	23.728 ug/l	97
18) Methyl Acetate	2.78	43	6678	1.503 ug/l	98
20) Methylene Chloride	2.86	84	11083	3.412 ug/l	92
25) 2-Butanone	4.70	43	8276	3.284 ug/l	95
28) Bromochloromethane	5.22	49	1128	0.449 ug/l #	9
29) Tetrahydrofuran	5.17	42	2018	1.328 ug/l	94
30) Chloroform	5.22	83	15894	2.962 ug/l	94
31) Cyclohexane	5.58	56	23863	5.085 ug/l	91
36) 1,1-Dichloropropene	5.66	75	15431	3.735 ug/l #	49
37) Ethyl Acetate	4.70	43	8276	1.761 ug/l #	67
38) Carbon Tetrachloride	5.67	117	21054	5.217 ug/l #	15
39) Methylcyclohexane	7.46	83	45952	10.658 ug/l	98
41) Methacrylonitrile	5.17	41	1461	0.564 ug/l #	36
43) Isopropyl Acetate	6.46	43	169056	27.088 ug/l	99
47) Bromodichloromethane	7.90	83	2793	0.793 ug/l	99
48) Methyl methacrylate	7.73	41	1582	0.512 ug/l #	2
51) 4-Methyl-2-Pentanone	8.65	43	2920	0.663 ug/l	98
54) cis-1,3-Dichloropropene	8.62	75	1363	0.325 ug/l #	35
55) 1,1,2-Trichloroethane	9.16	97	5400	1.736 ug/l #	20
56) Ethyl methacrylate	9.16	69	1493	0.339 ug/l #	33
58) 2-Chloroethyl Vinyl ether	8.26	63	39	7.289 ug/l #	45
59) 2-Hexanone	9.55	43	11626	3.441 ug/l #	51
60) Dibromochloromethane	9.59	129	603	0.206 ug/l	85
67) Ethyl Benzene	10.25	91	26748	2.083 ug/l	99
68) m/p-Xylenes	10.36	106	5949	1.202 ug/l	99
69) o-Xylene	10.70	106	1167	0.245 ug/l	74
73) Isopropylbenzene	11.02	105	63065	4.592 ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	78736	18.766 ug/l #	37
78) n-propylbenzene	11.36	91	90258	5.715 ug/l	100

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 Response via : Initial Calibration

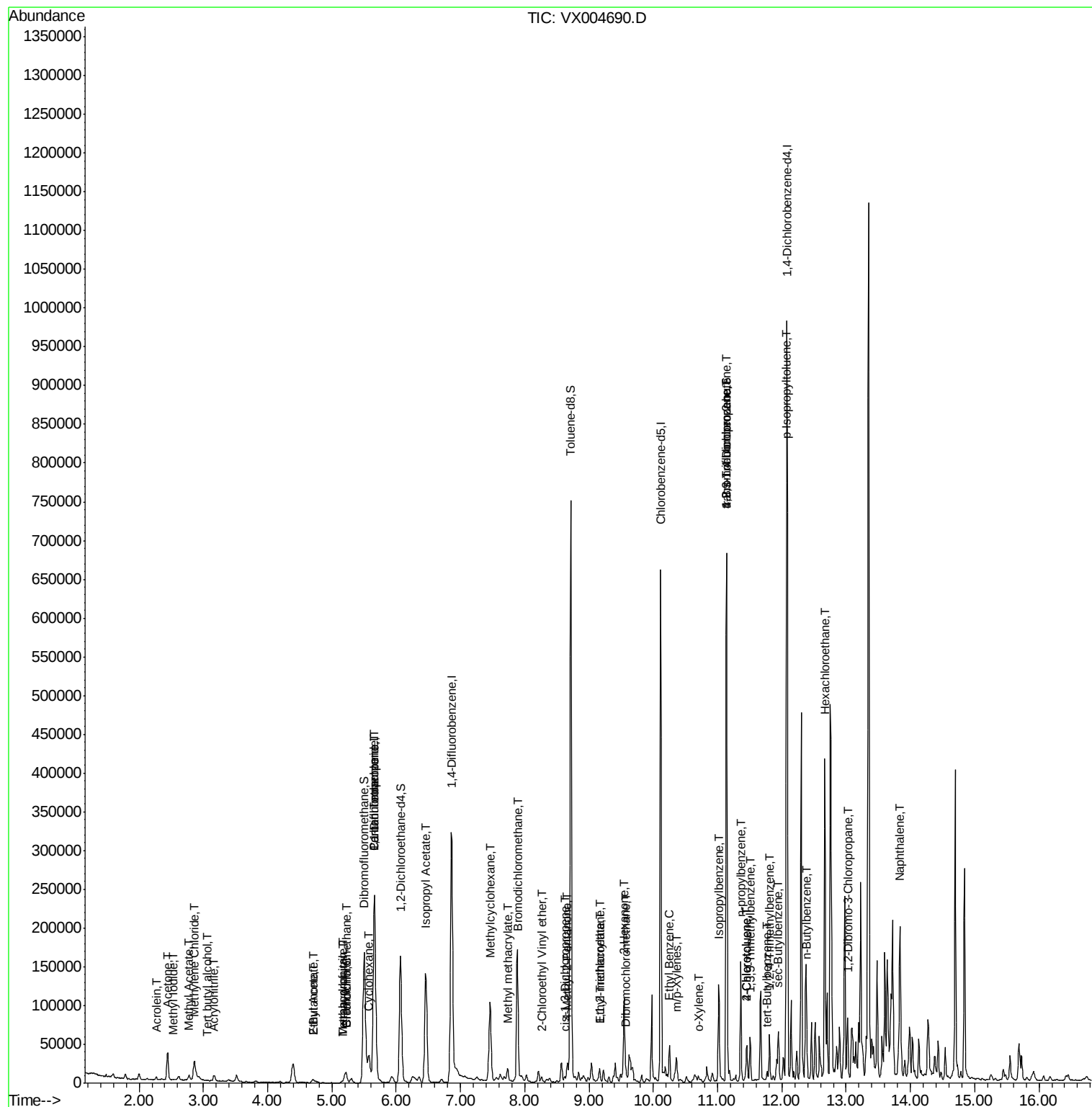
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.46	91	3239	0.338	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	24254	2.101	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.14	75	78736	59.816	ug/l #	10
82) 4-Chlorotoluene	11.46	91	3239	0.290	ug/l #	44
83) tert-Butylbenzene	11.77	119	4399	0.400	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	25444	2.158	ug/l	99
85) sec-Butylbenzene	11.94	105	31883	2.276	ug/l	79
86) p-Isopropyltoluene	12.07	119	32562	2.632	ug/l	96
89) n-Butylbenzene	12.39	91	30852	2.737	ug/l #	48
90) Hexachloroethane	12.67	117	17017	8.593	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	274	0.290	ug/l #	1
95) Naphthalene	13.83	128	127290	8.941	ug/l #	97

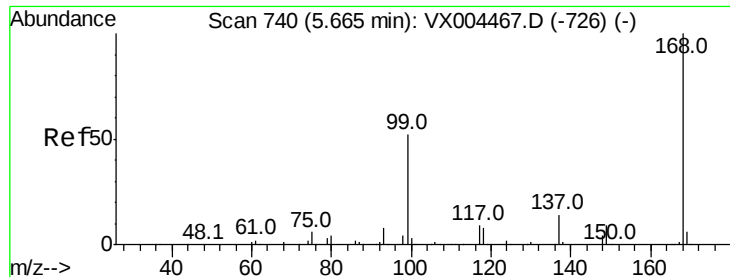
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

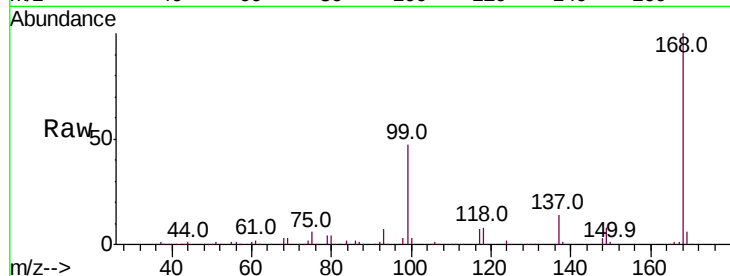
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 251591

Ion Ratio Lower Upper

168 100

99 47.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

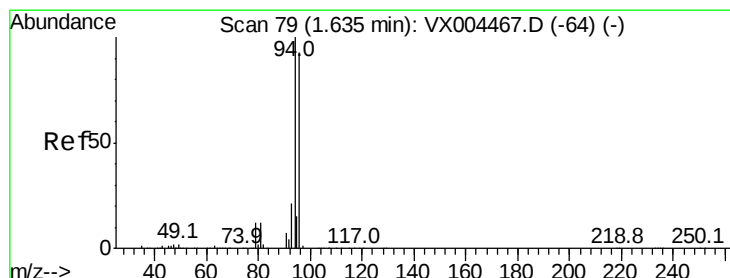
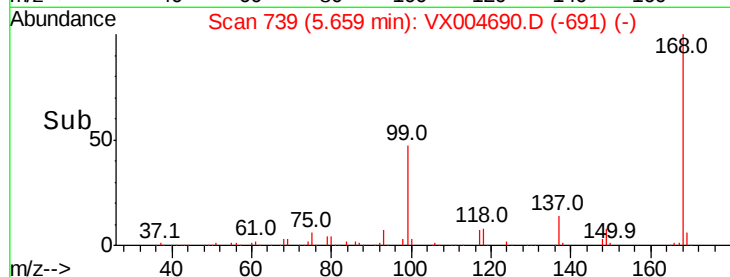
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX004690.D

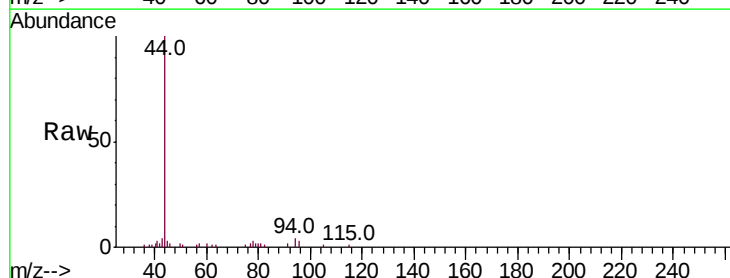
Acq: 19 Sep 2018 06:29

Tgt Ion: 94 Resp: 455

Ion Ratio Lower Upper

94 100

96 76.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

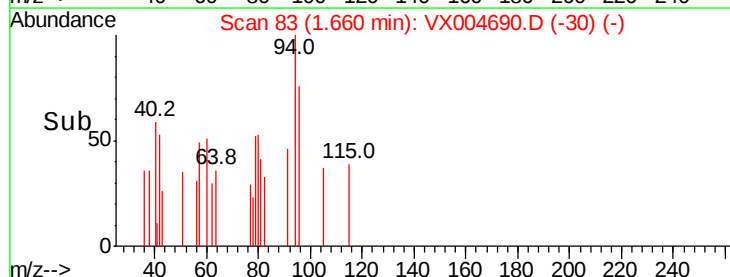
150

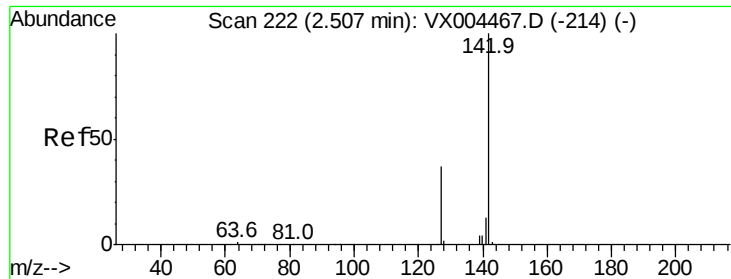
100

50

0

Time--> 1.60 1.65 1.70

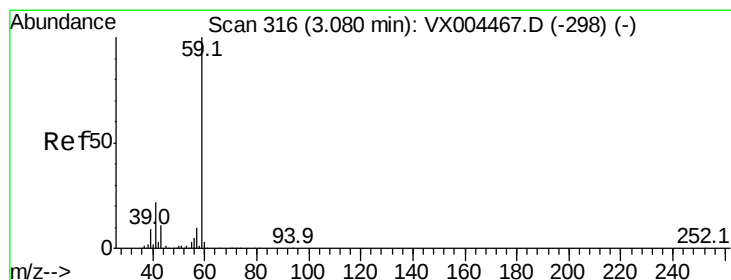
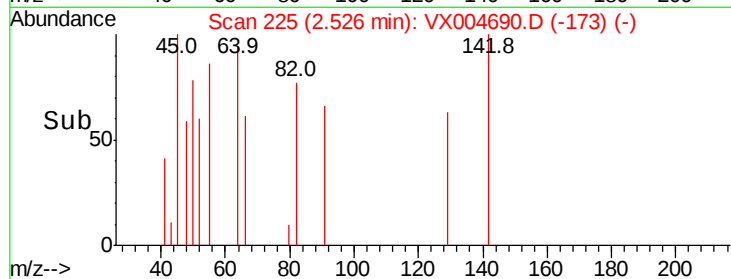
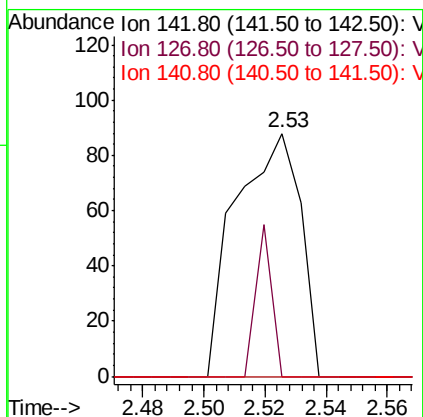
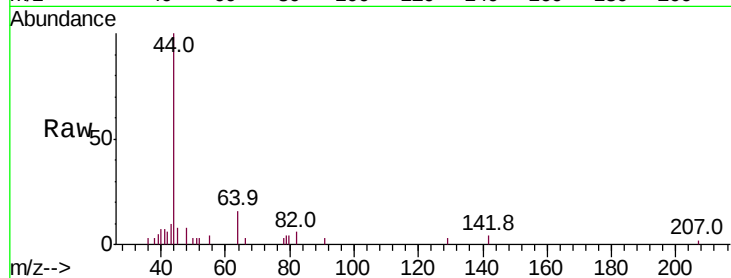




#10
Methyl Iodide
Concen: 4.292 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

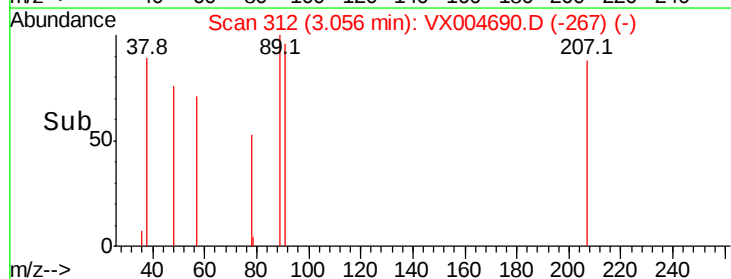
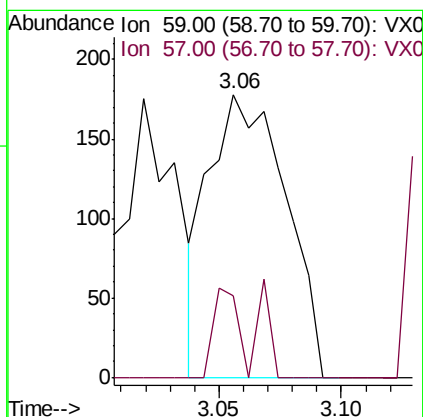
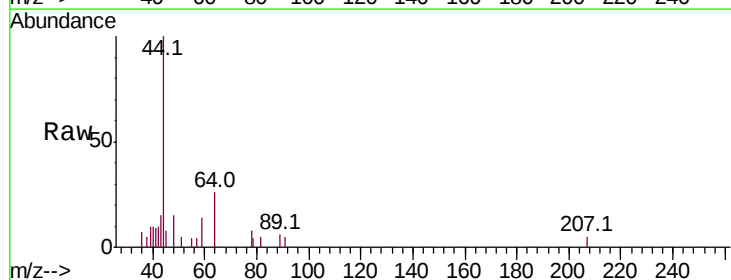
Instrument :
MSVOA_X
ClientSampled :

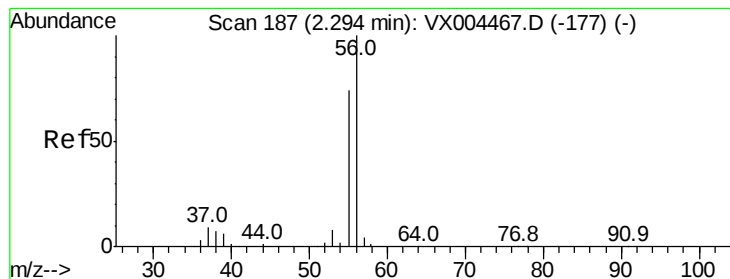
Tot Ion:142 Resp: 129
Ion Ratio Lower Upper
142 100
127 15.5 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.501 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

Tgt Ion: 59 Resp: 388
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.681 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :

MSVOA_X

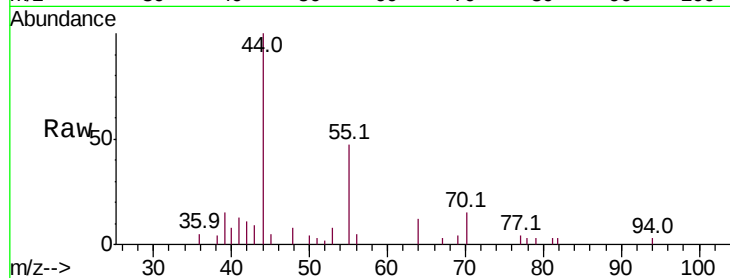
ClientSampled :

Tot Ion: 56 Resp: 208

Ion Ratio Lower Upper

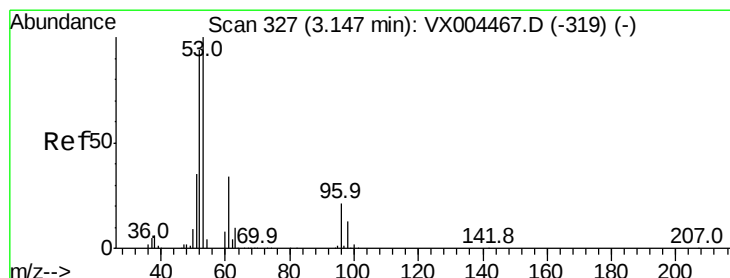
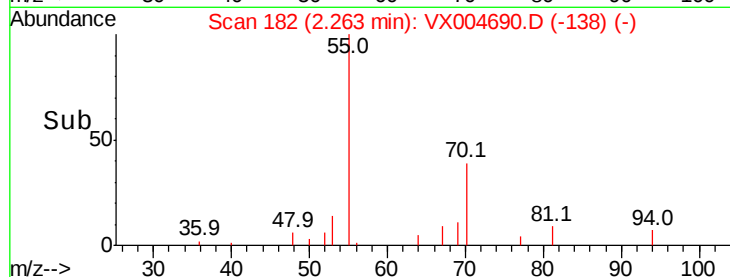
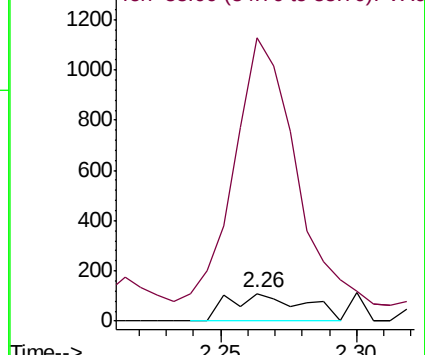
56 100

55 945.2 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.212 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

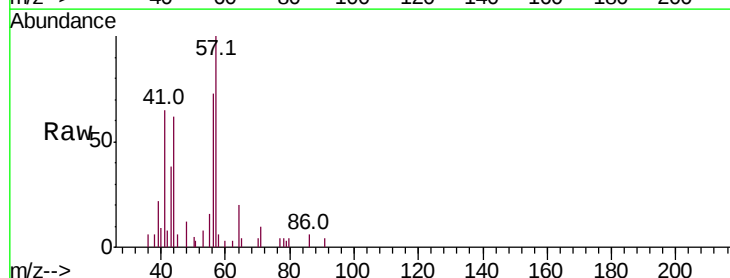
Tgt Ion: 53 Resp: 395

Ion Ratio Lower Upper

53 100

52 10.4 65.2 97.8#

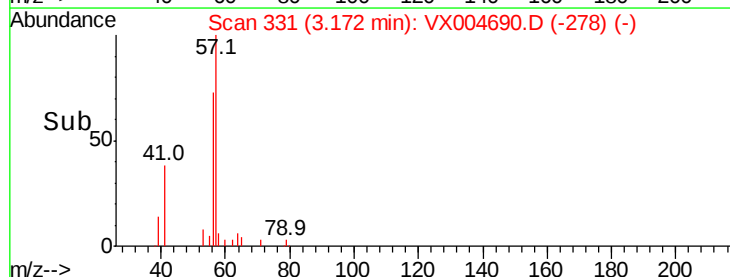
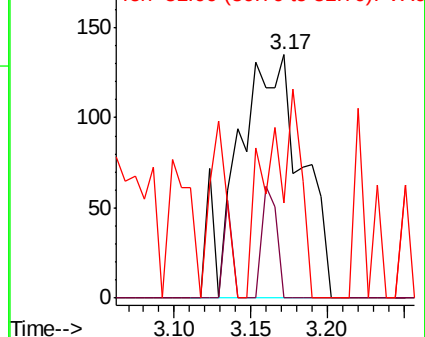
51 43.5 28.2 42.2#

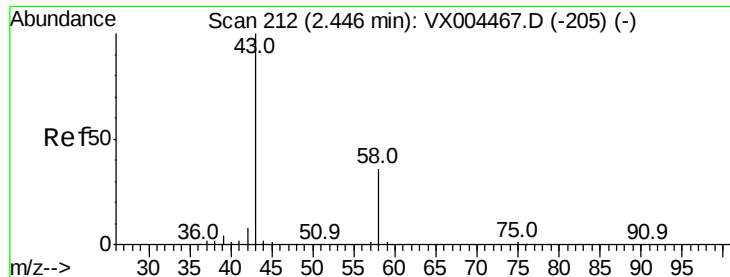


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 23.728 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

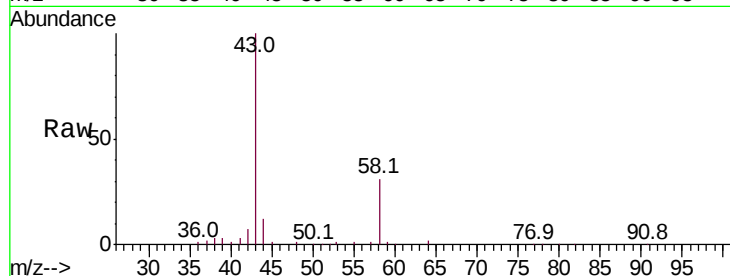
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 37569

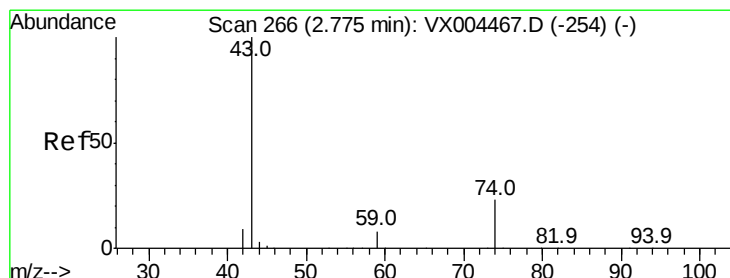
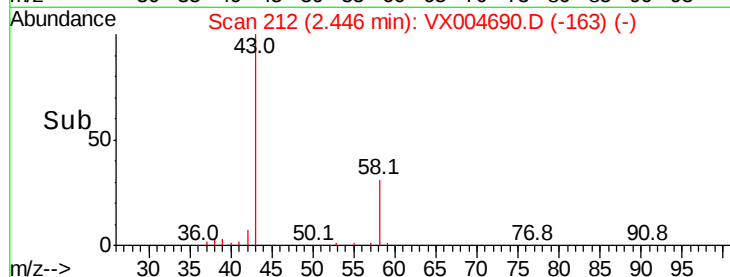
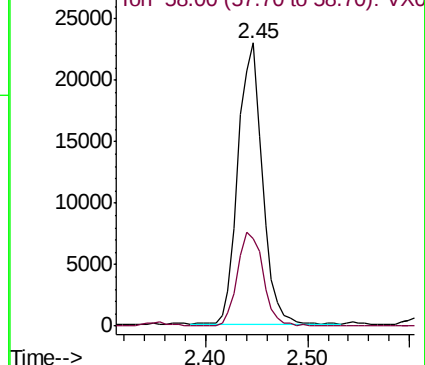
Ion Ratio Lower Upper

43 100

58 31.3 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: 1.503 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004690.D

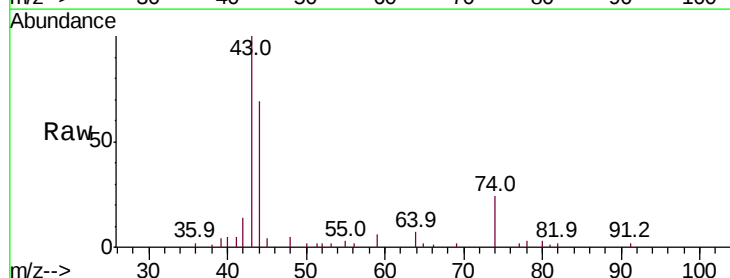
Acq: 19 Sep 2018 06:29

Tgt Ion: 43 Resp: 6678

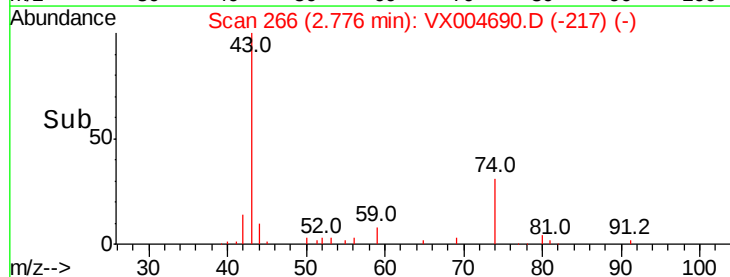
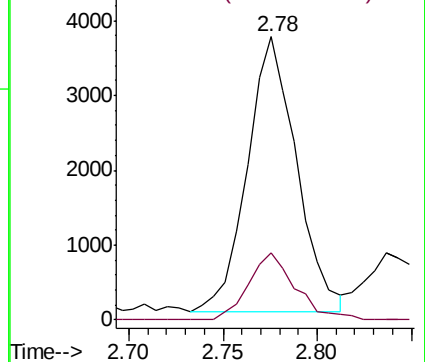
Ion Ratio Lower Upper

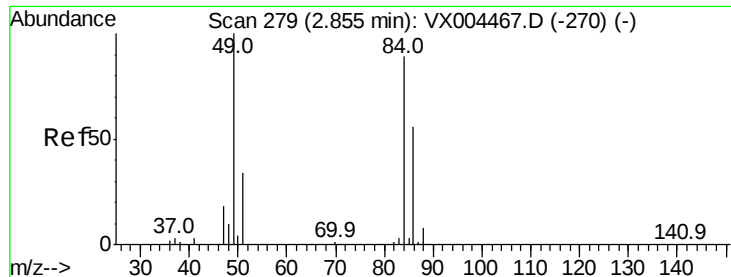
43 100

74 23.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 3.412 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 11083

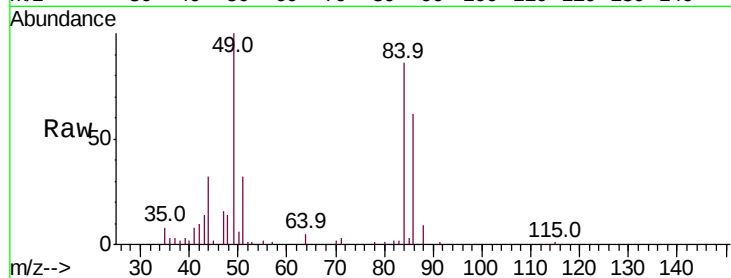
Ion Ratio Lower Upper

84 100

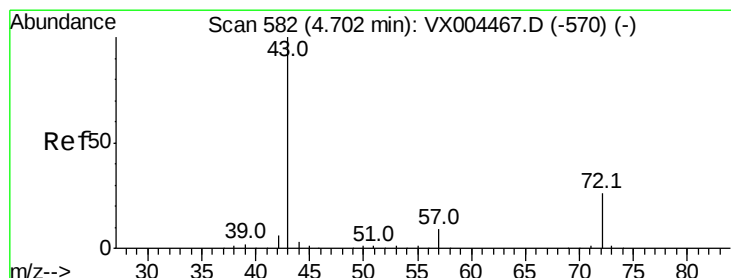
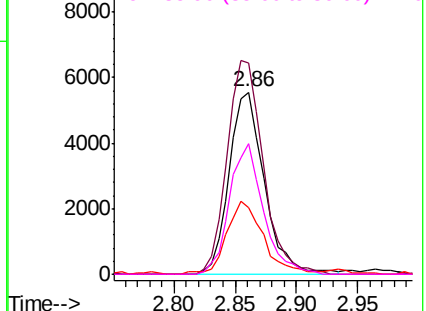
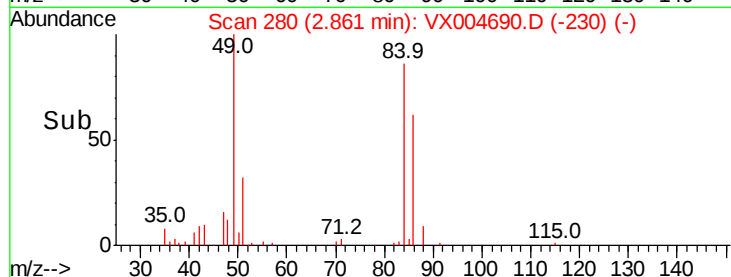
49 115.9 101.2 151.8

51 35.4 29.5 44.3

86 71.5 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 3.284 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004690.D

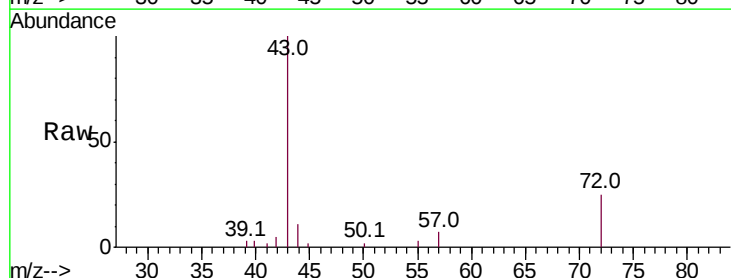
Acq: 19 Sep 2018 06:29

Tgt Ion: 43 Resp: 8276

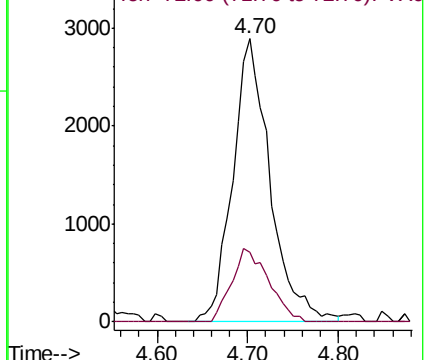
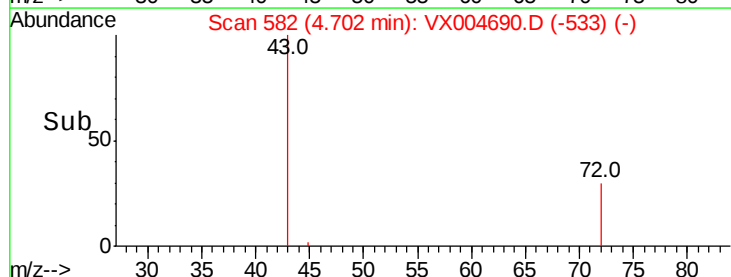
Ion Ratio Lower Upper

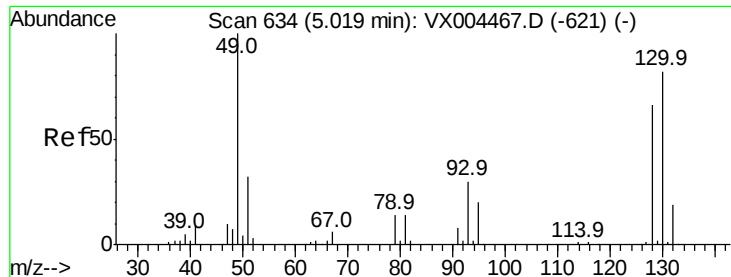
43 100

72 24.7 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 0.449 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.20 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :
MSVOA_X
ClientSampleId :

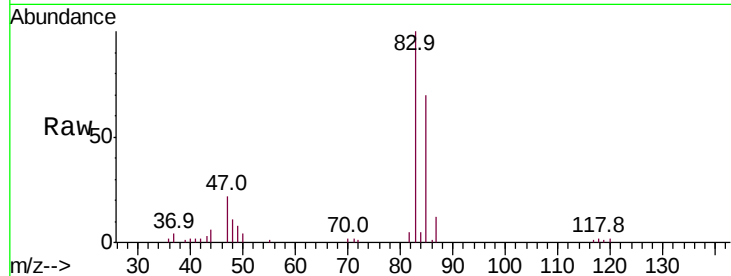
Tot Ion: 49 Resp: 1128

Ion Ratio Lower Upper

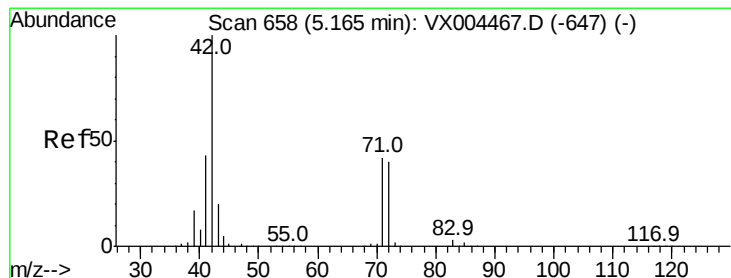
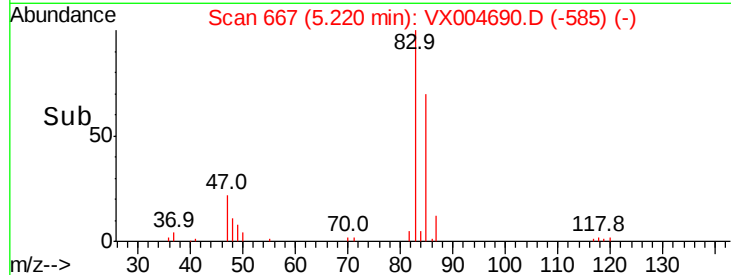
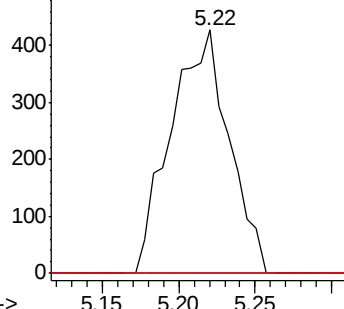
49 100

129 0.0 0.0 4.2

130 0.0 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.328 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

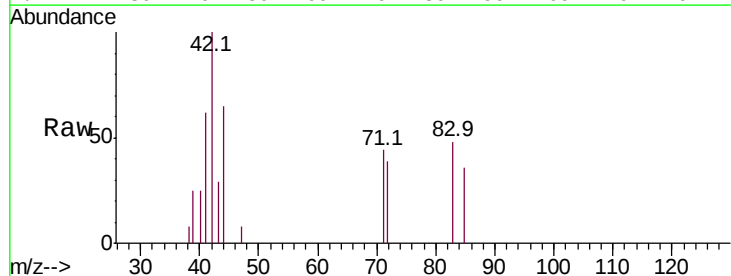
Tgt Ion: 42 Resp: 2018

Ion Ratio Lower Upper

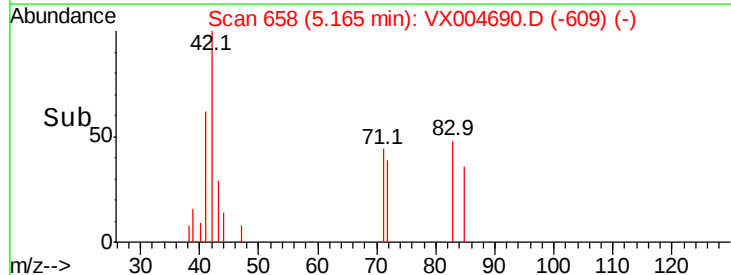
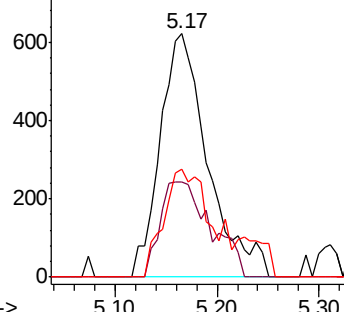
42 100

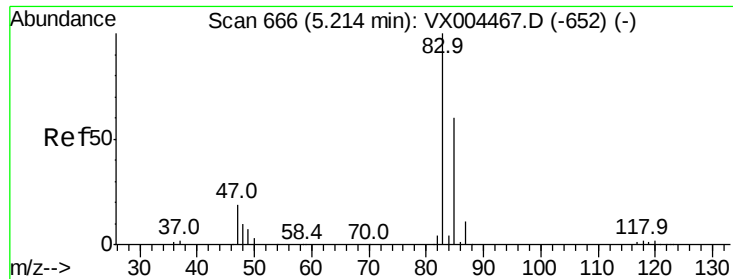
72 41.3 37.4 56.0

71 45.0 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

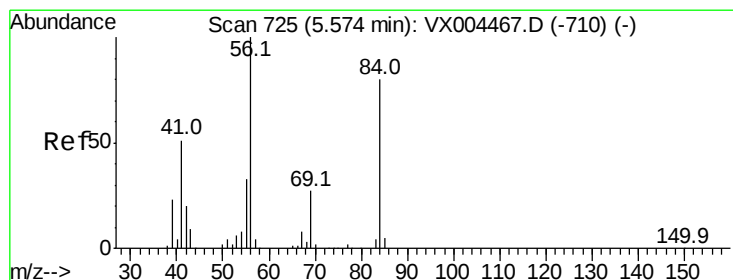
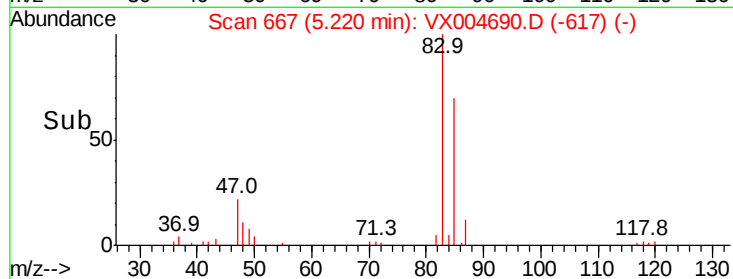
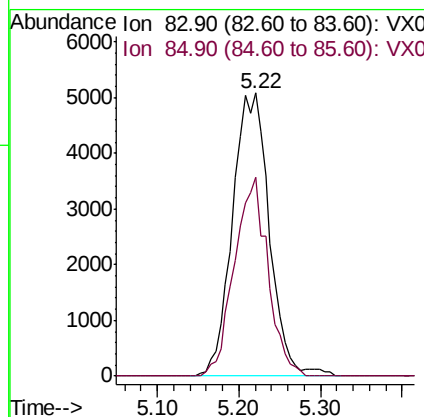
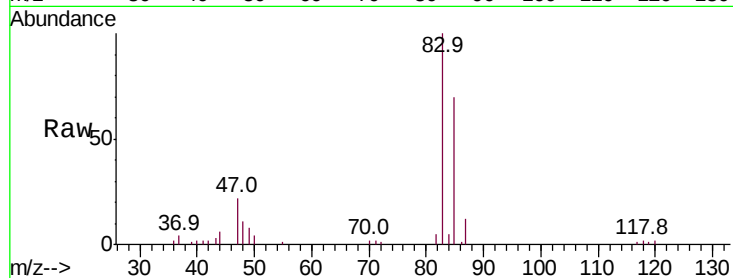




#30
Chloroform
Concen: 2.962 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

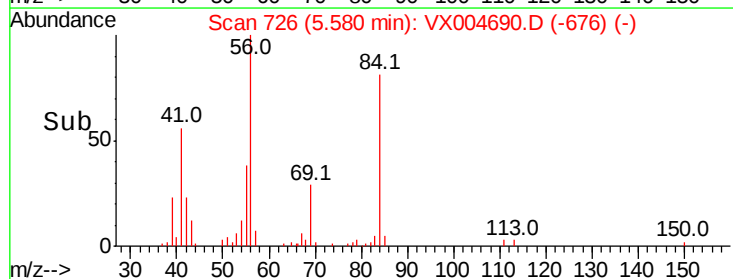
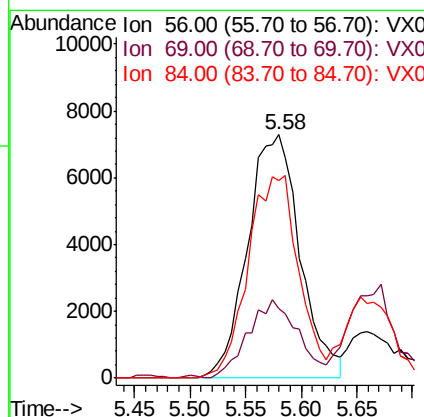
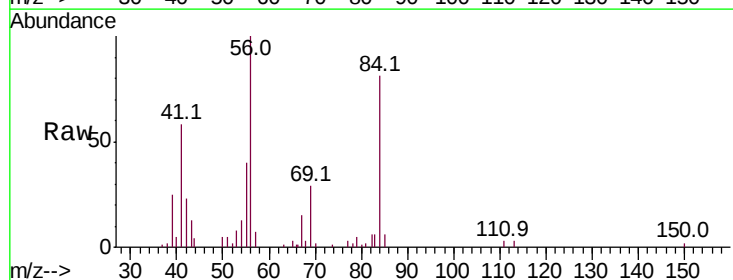
Instrument :
MSVOA_X
ClientSampleId :

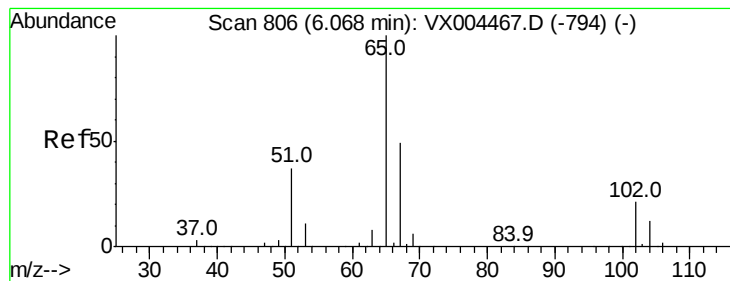
Tot Ion: 83 Resp: 15894
Ion Ratio Lower Upper
83 100
85 70.3 52.6 79.0



#31
Cyclohexane
Concen: 5.085 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

Tgt Ion: 56 Resp: 23863
Ion Ratio Lower Upper
56 100
69 27.6 25.4 38.2
84 80.9 71.4 107.2





#33

1,2-Dichloroethane-d4

Concen: 47.134 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :

MSVOA_X

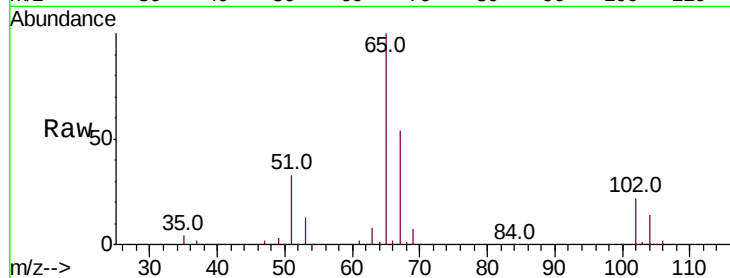
ClientSampleId :

Tot Ion: 65 Resp: 152904

Ion Ratio Lower Upper

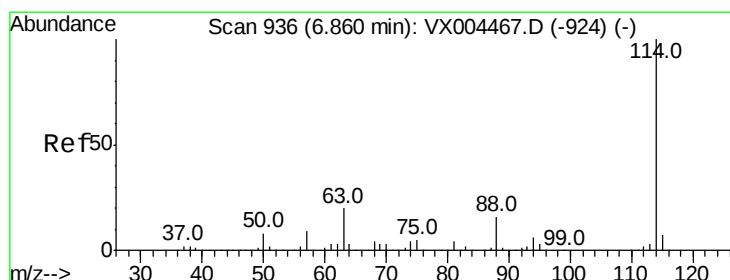
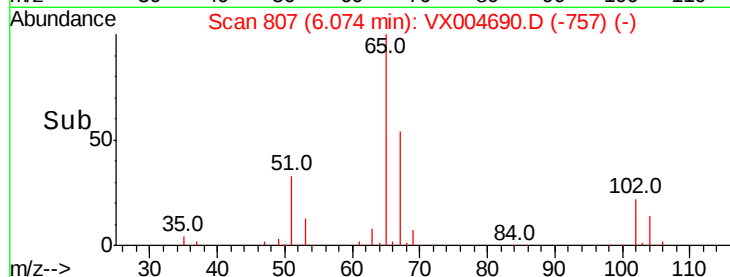
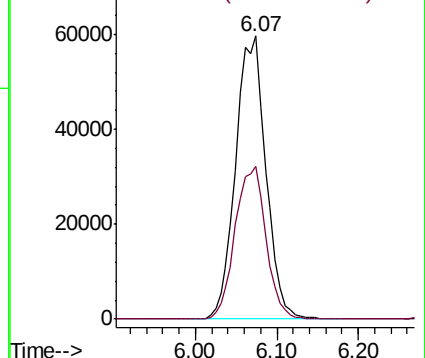
65 100

67 54.9 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: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

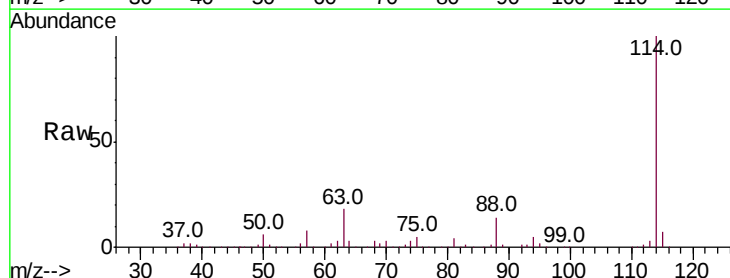
Tgt Ion:114 Resp: 340306

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.0

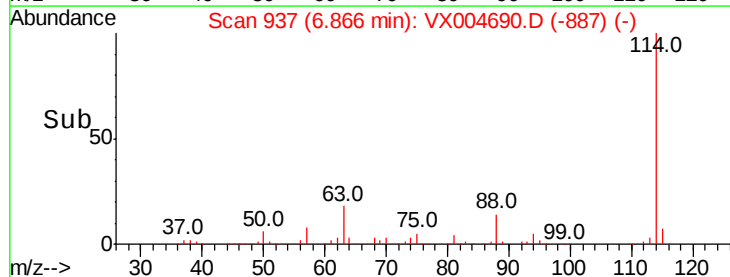
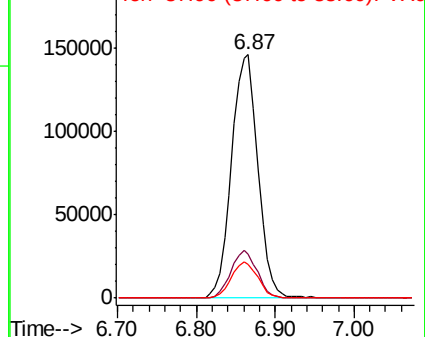
88 13.6 0.0 30.4

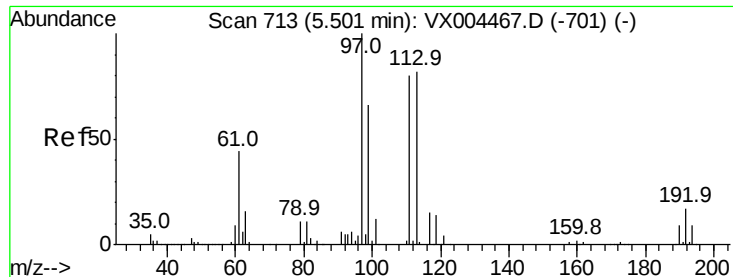


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

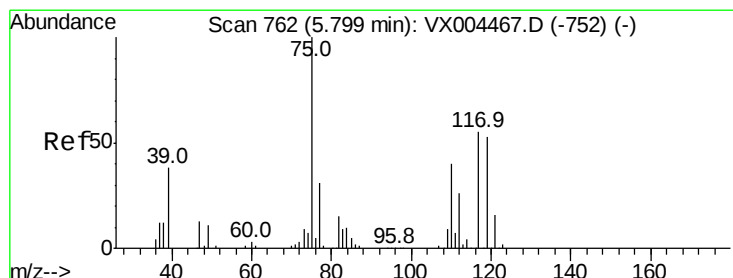
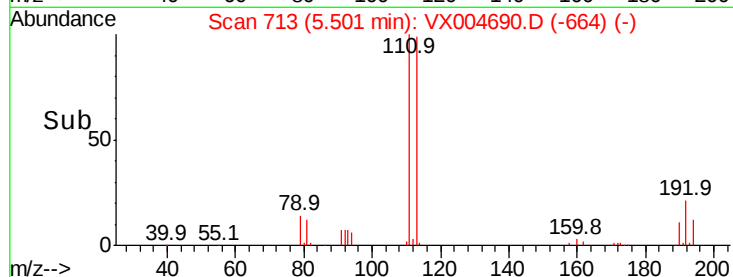
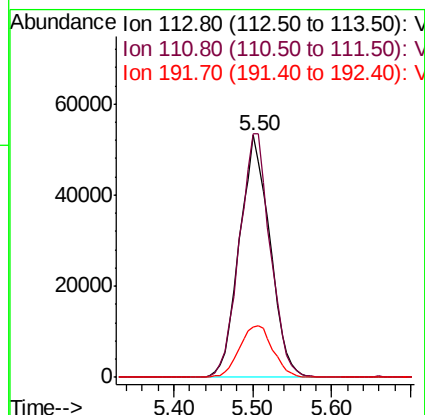
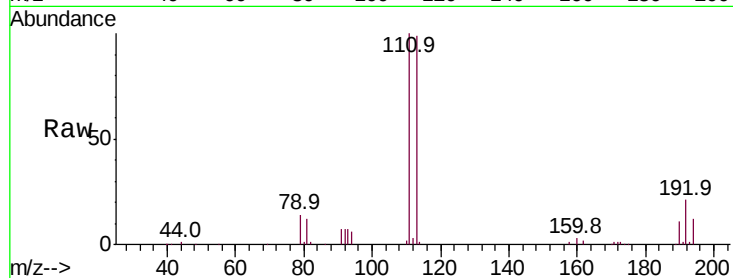




#35
 Dibromofluoromethane
 Concen: 45.946 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004690.D
 Acq: 19 Sep 2018 06:29

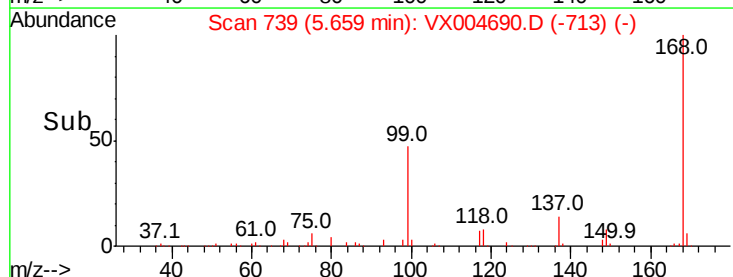
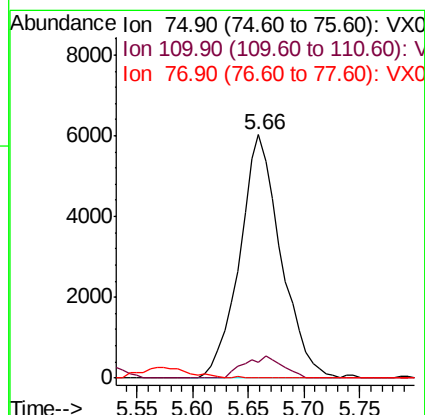
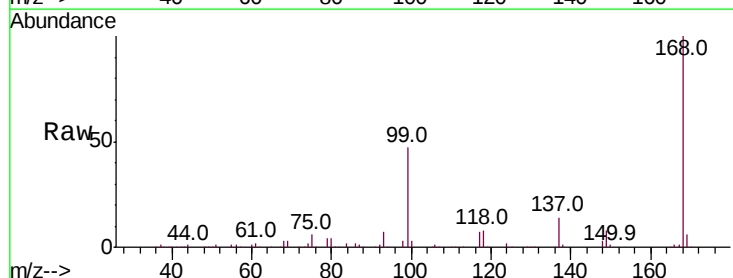
Instrument :
 MSVOA_X
 ClientSampleId :

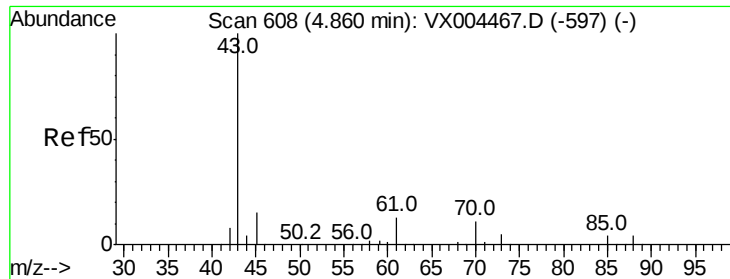
Tot Ion:113 Resp: 143082
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.4 123.6
 192 23.2 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.735 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004690.D
 Acq: 19 Sep 2018 06:29

Tgt Ion: 75 Resp: 15431
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.0 54.0#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.761 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.16 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :

MSVOA_X

ClientSampleId :

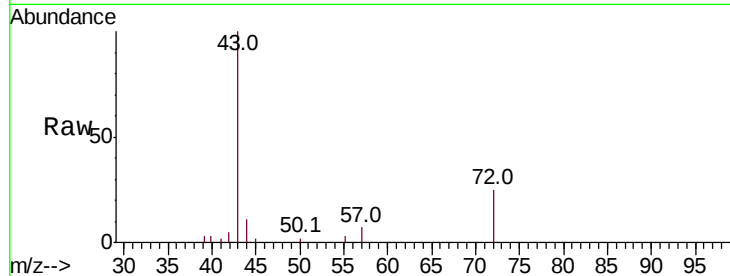
Tot Ion: 43 Resp: 8276

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

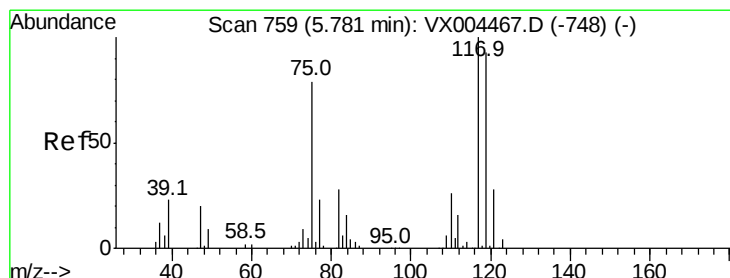
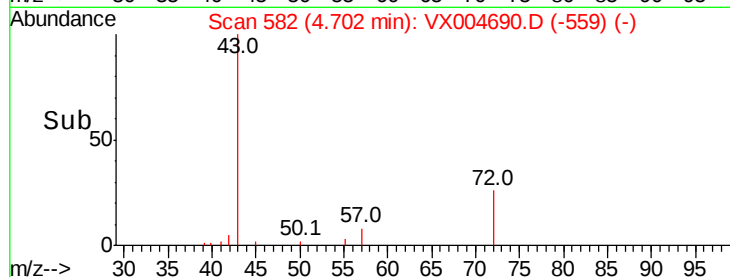
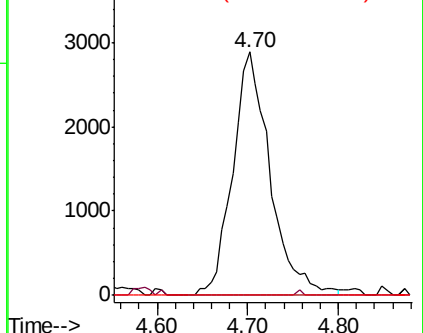
70 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.217 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

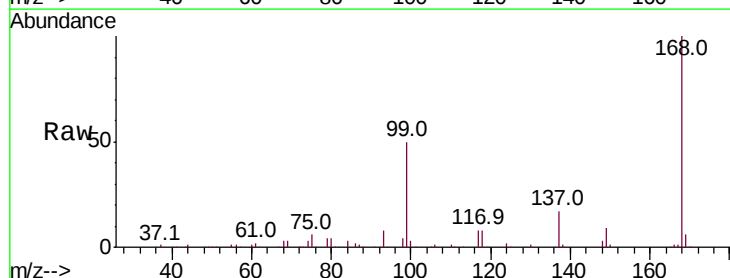
Tgt Ion: 117 Resp: 21054

Ion Ratio Lower Upper

117 100

119 5.1 78.8 118.2#

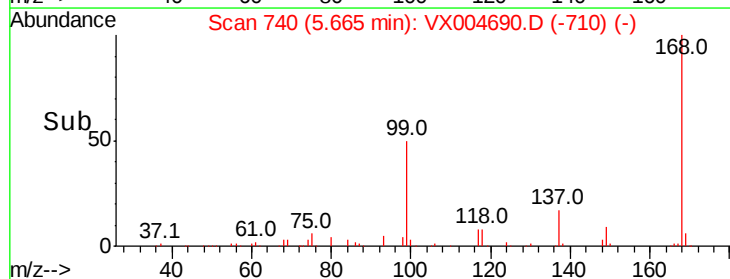
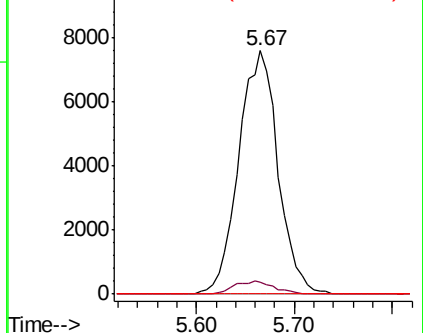
121 0.0 24.9 37.3#

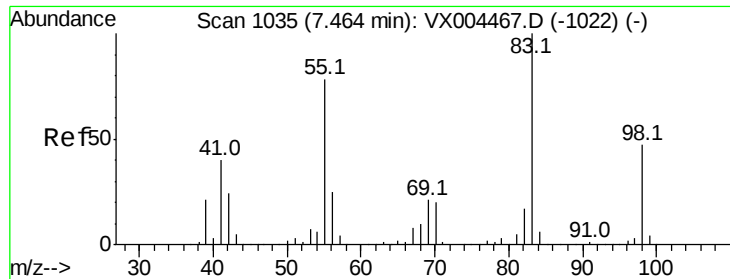


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 10.658 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :
MSVOA_X
ClientSampled :

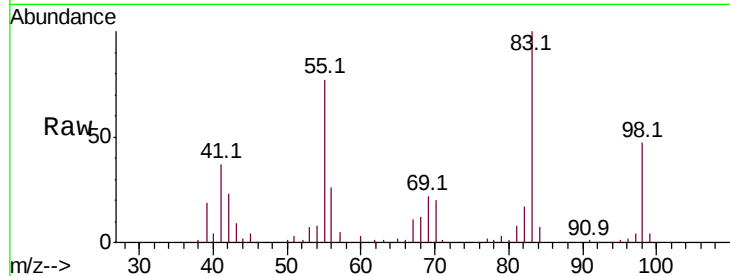
Tot Ion: 83 Resp: 45952

Ion Ratio Lower Upper

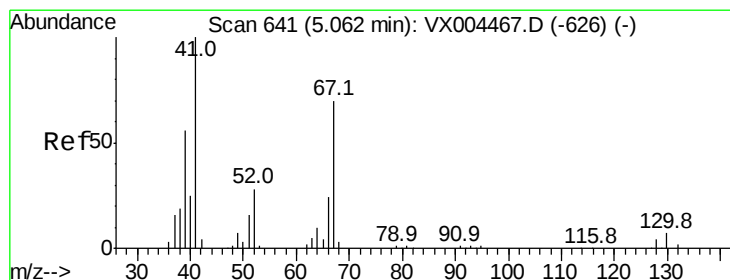
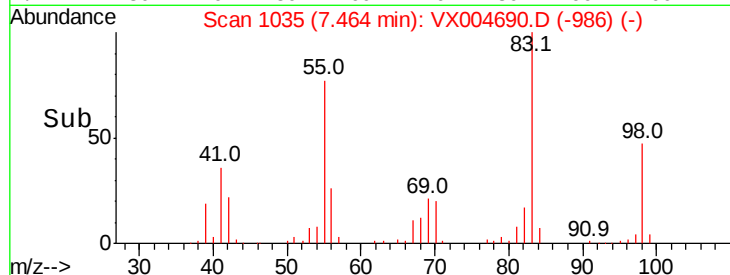
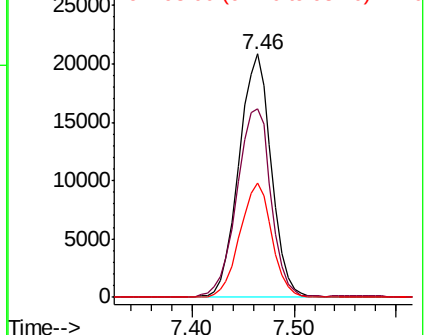
83 100

55 77.1 61.0 91.4

98 46.8 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



#41

Methacrylonitrile

Concen: 0.564 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.10 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Tgt Ion: 41 Resp: 1461

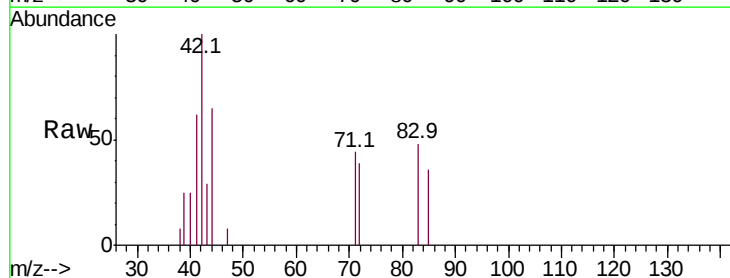
Ion Ratio Lower Upper

41 100

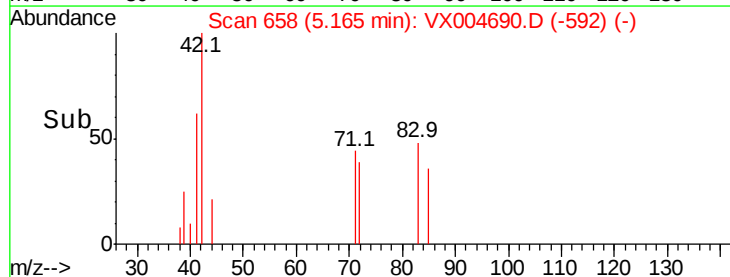
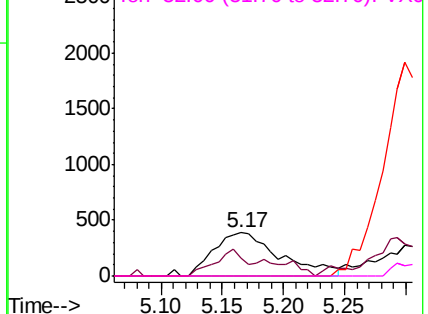
39 26.2 42.4 63.6#

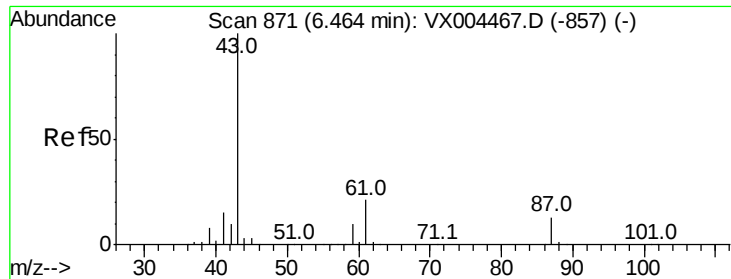
67 0.0 59.2 88.8#

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



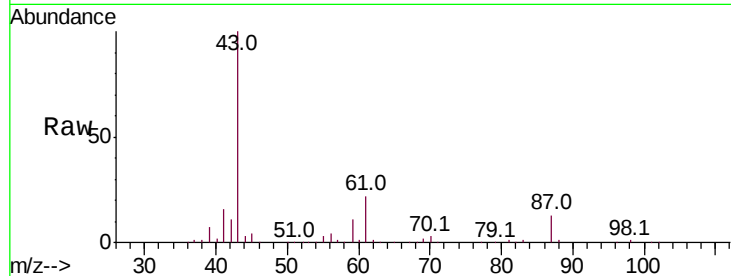


#43

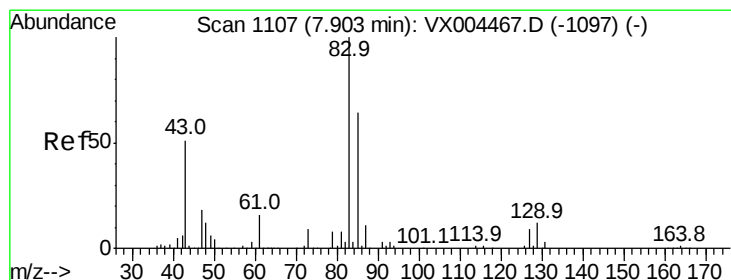
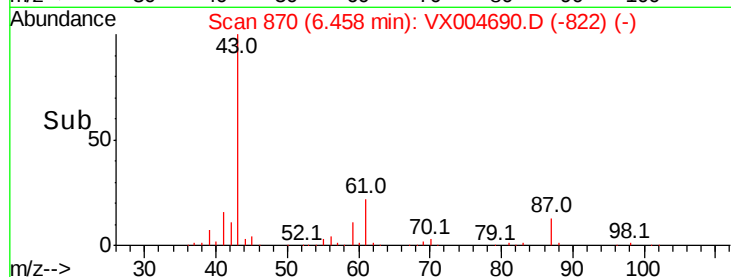
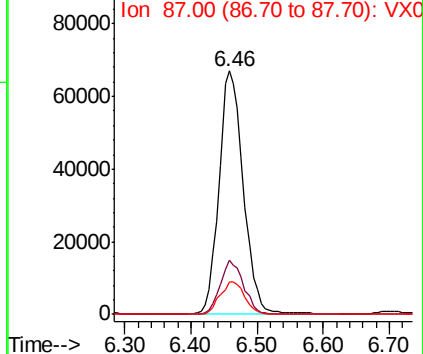
Isopropyl Acetate
 Concen: 27.088 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004690.D
 Acq: 19 Sep 2018 06:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	43	61	87
Resp	169056		
Ratio	100	21.5	13.9
Lower		17.0	11.4
Upper		25.4	17.2



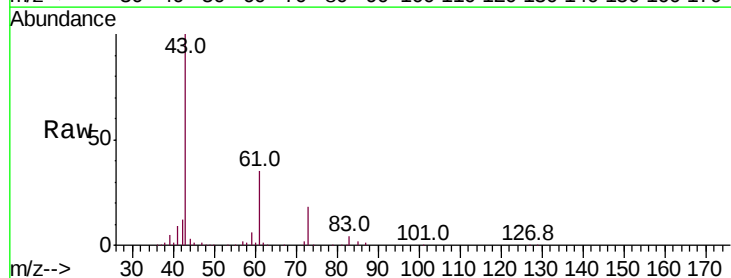
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



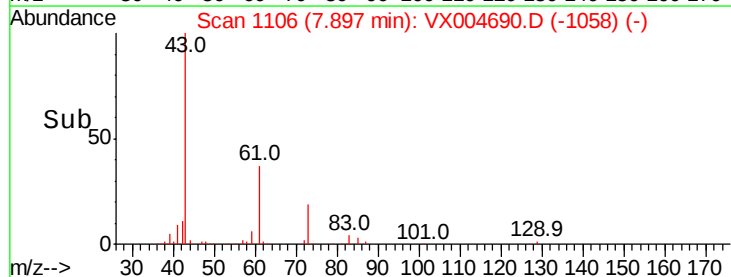
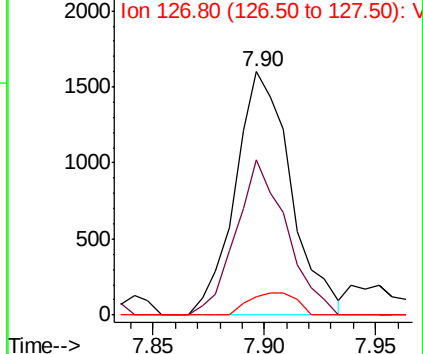
#47

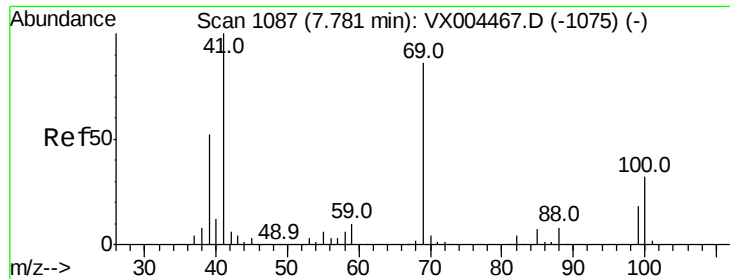
Bromodichloromethane
 Concen: 0.793 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VX004690.D
 Acq: 19 Sep 2018 06:29

Tgt Ion	83	85	127
Resp	2793		
Ratio	100	63.6	7.5
Lower		50.9	7.3
Upper		76.3	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

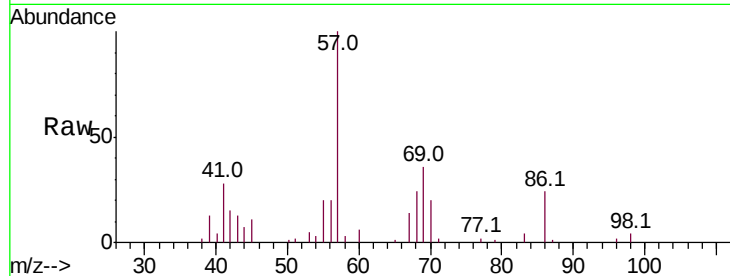




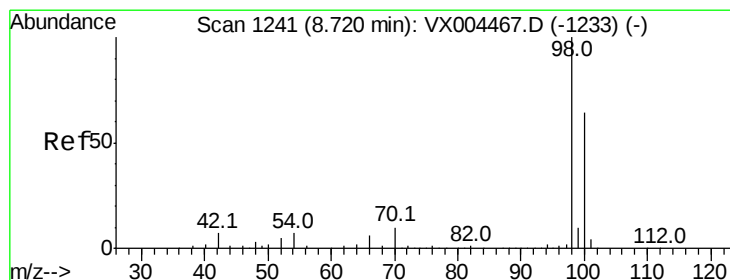
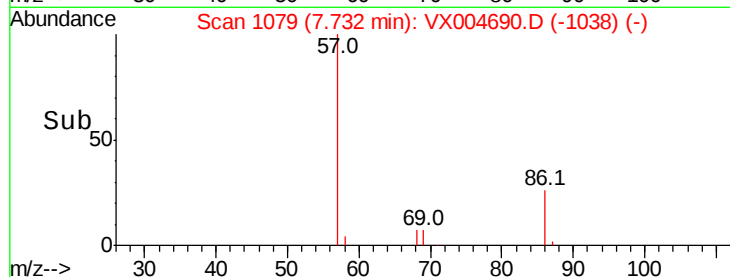
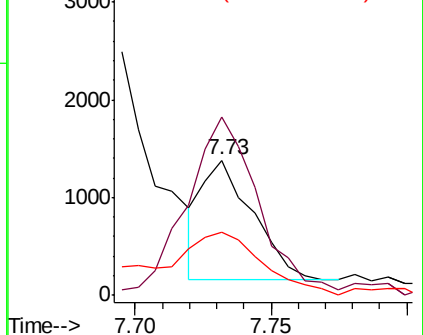
#48
Methvl methacrylate
Concen: 0.512 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.05 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 1582
Ion Ratio Lower Upper
41 100
69 211.6 70.2 105.4#
39 82.8 42.7 64.1#

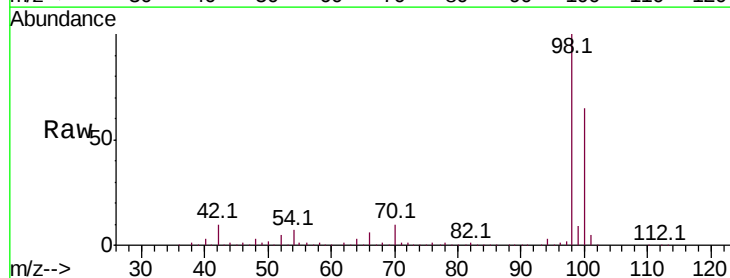


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

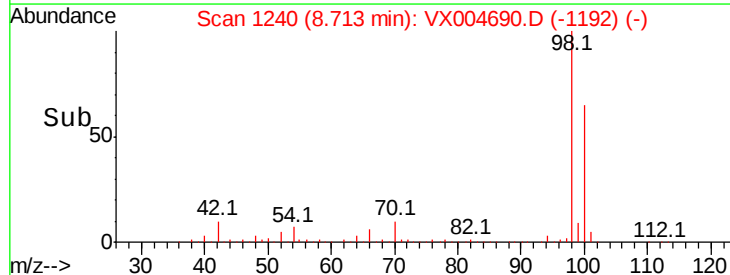
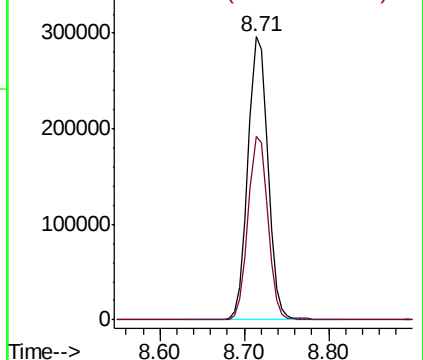


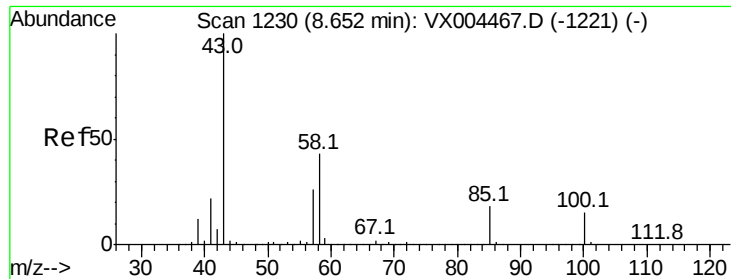
#50
Toluene-d8
Concen: 45.175 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

Tgt Ion: 98 Resp: 471774
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: 0.663 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

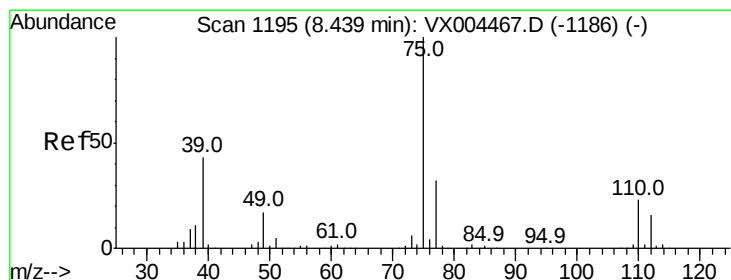
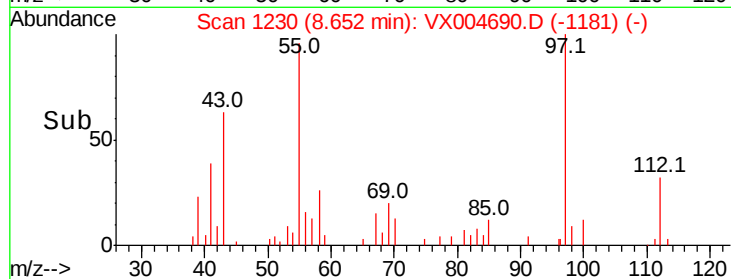
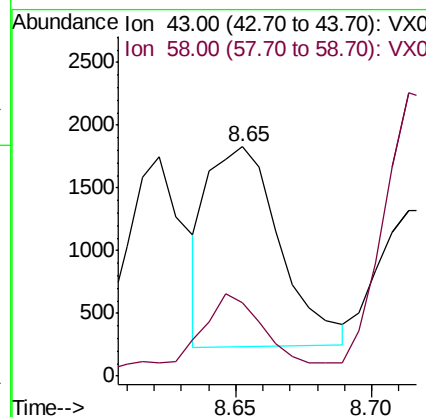
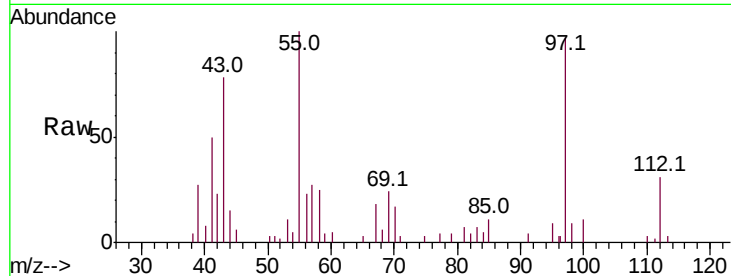
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 2920

Ion Ratio Lower Upper

43 100

58 42.7 33.1 49.7



#54

cis-1,3-Dichloropropene

Concen: 0.325 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

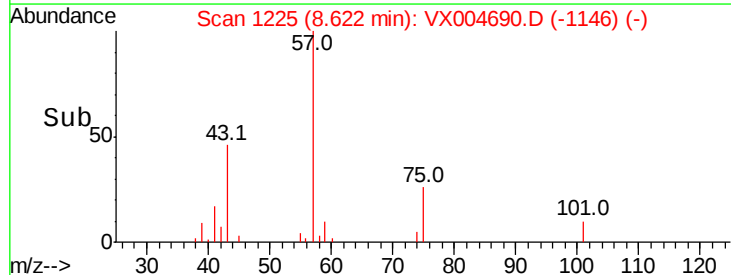
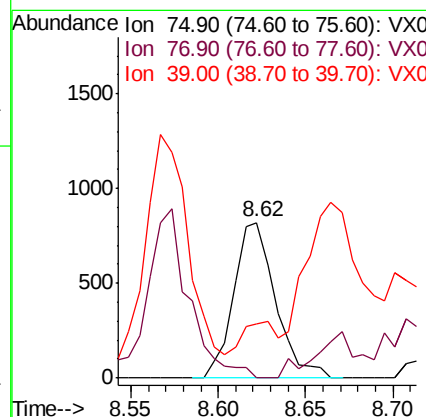
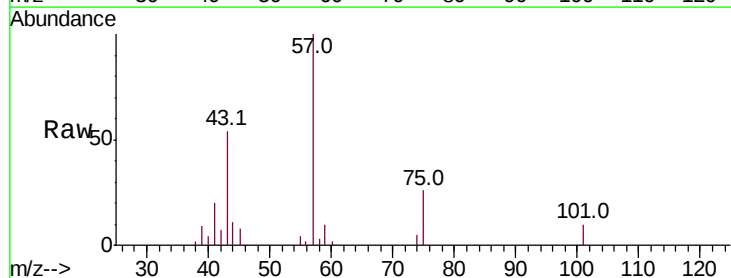
Tgt Ion: 75 Resp: 1363

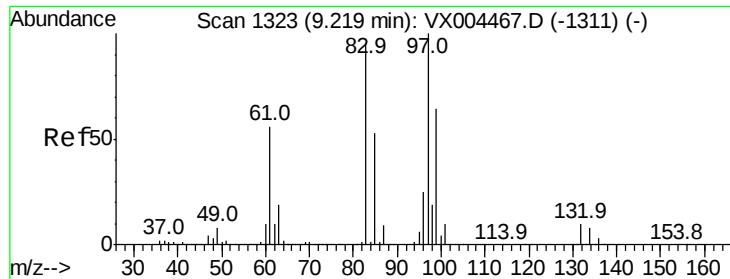
Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

39 0.0 36.4 54.6#





#55

1,1,2-Trichloroethane

Concen: 1.736 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 97 Resp: 5400

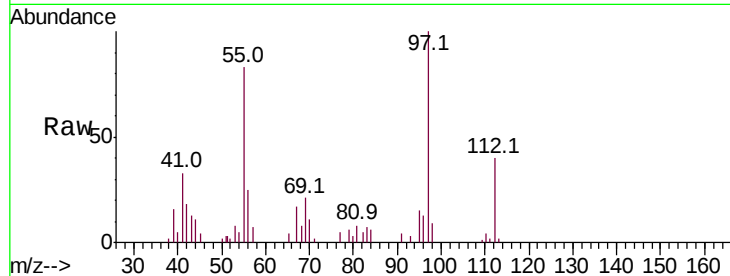
Ion Ratio Lower Upper

97 100

83 7.5 66.4 99.6#

85 0.0 43.3 64.9#

99 0.0 49.0 73.4#

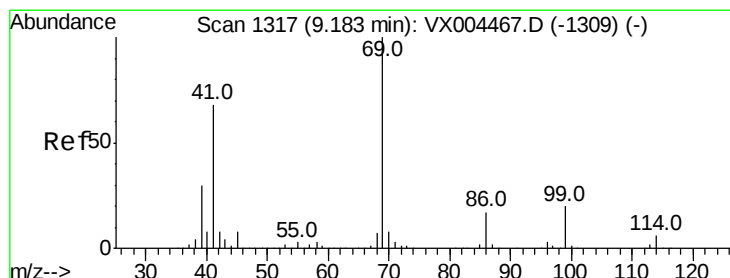
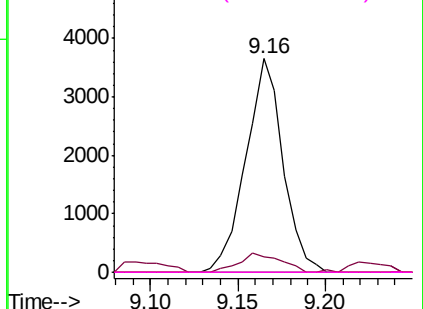
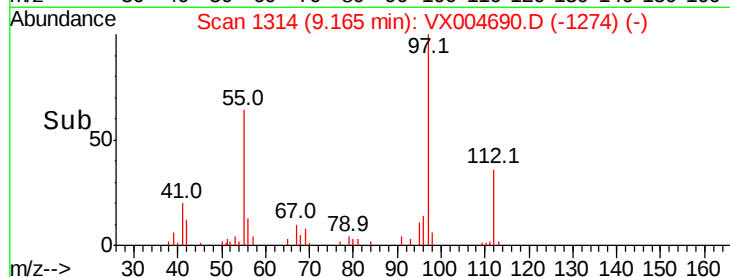


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 0.339 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

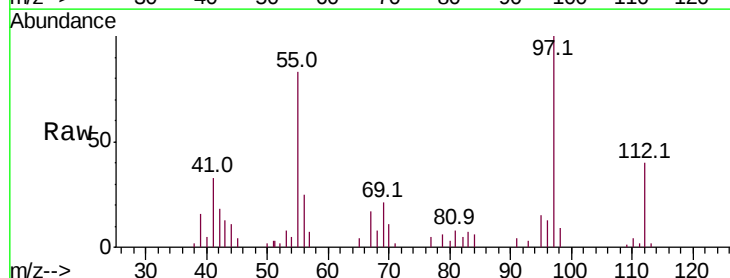
Tgt Ion: 69 Resp: 1493

Ion Ratio Lower Upper

69 100

41 115.0 51.0 76.4#

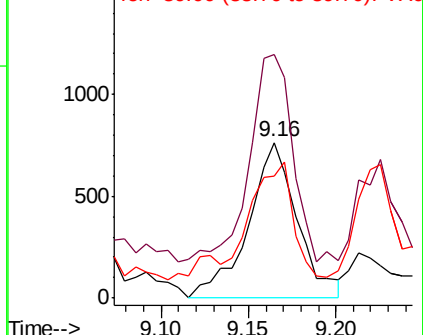
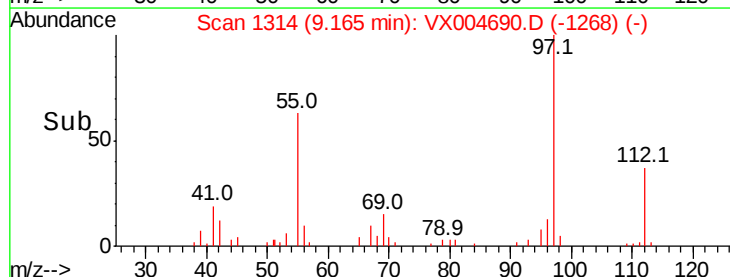
39 72.1 26.1 39.1#

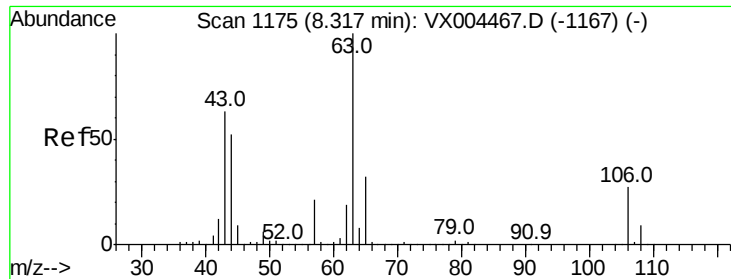


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#58

2-Chloroethyl Vinyl ether

Concen: 7.289 ug/l

RT: 8.26 min Scan# 1166

Delta R.T. -0.05 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :

MSVOA_X

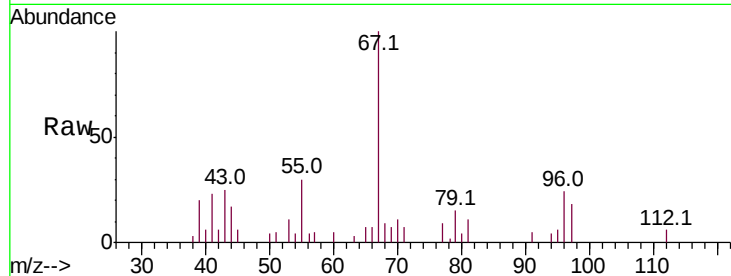
ClientSampleId :

Tot Ion: 63 Resp: 39

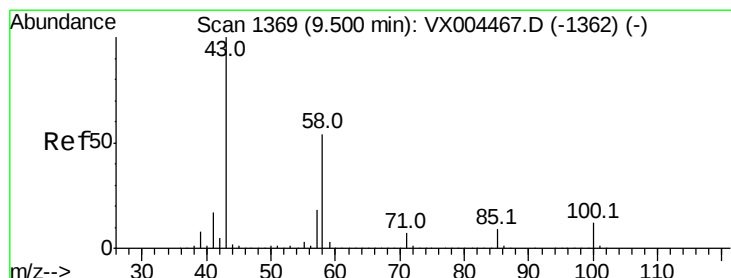
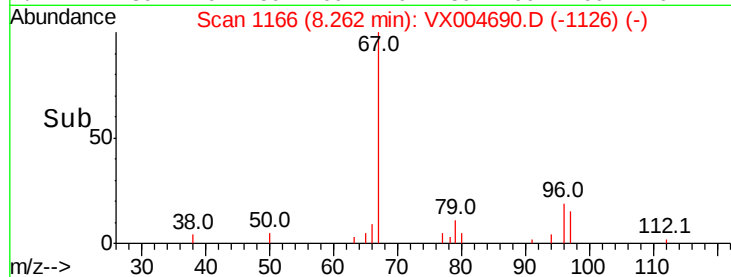
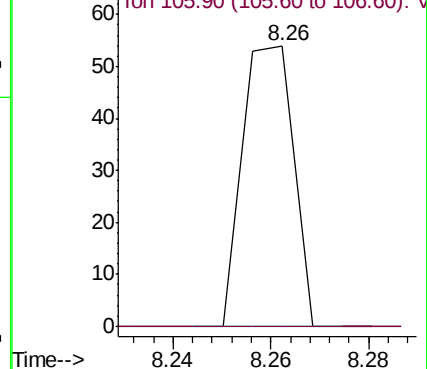
Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0



#59

2-Hexanone

Concen: 3.441 ug/l

RT: 9.55 min Scan# 1377

Delta R.T. 0.05 min

Lab File: VX004690.D

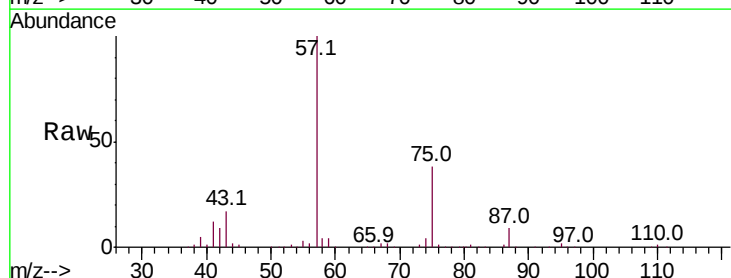
Acq: 19 Sep 2018 06:29

Tgt Ion: 43 Resp: 11626

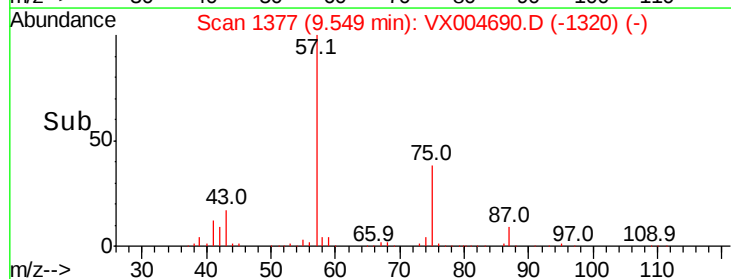
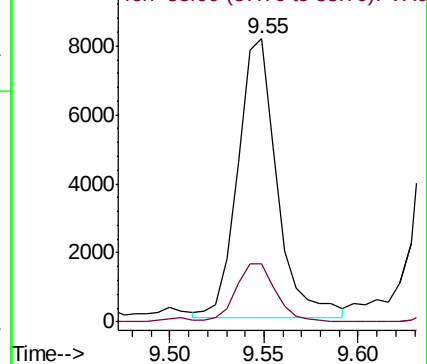
Ion Ratio Lower Upper

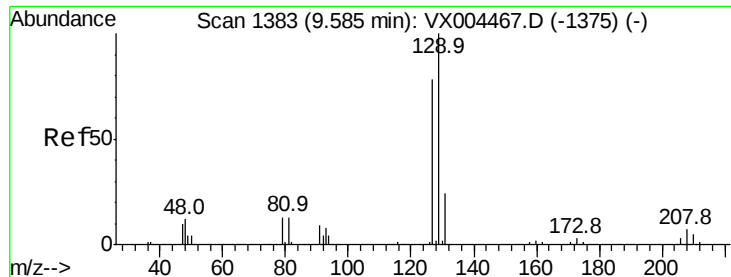
43 100

58 21.5 29.0 87.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

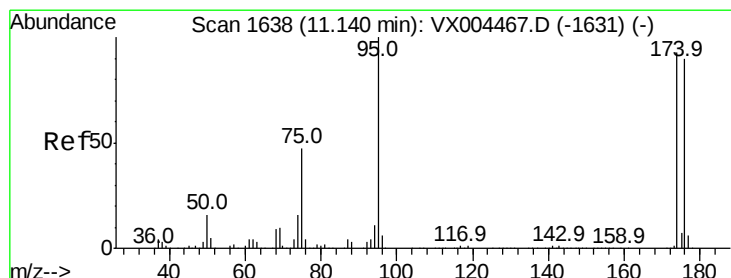
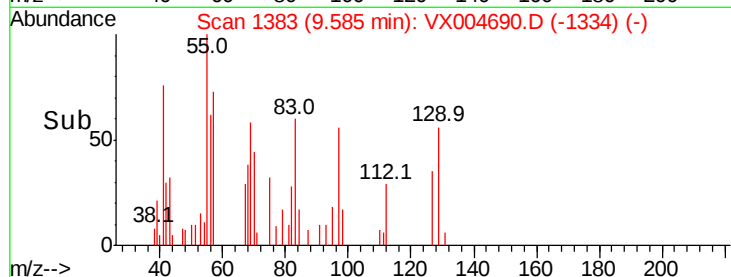
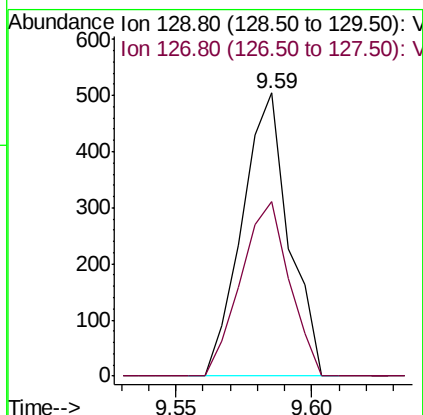
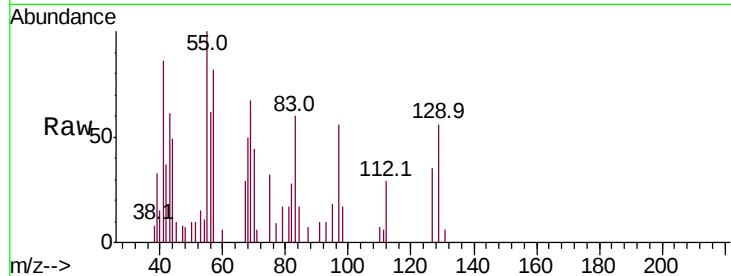




#60
 Dibromochloromethane
 Concen: 0.206 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VX004690.D
 Acq: 19 Sep 2018 06:29

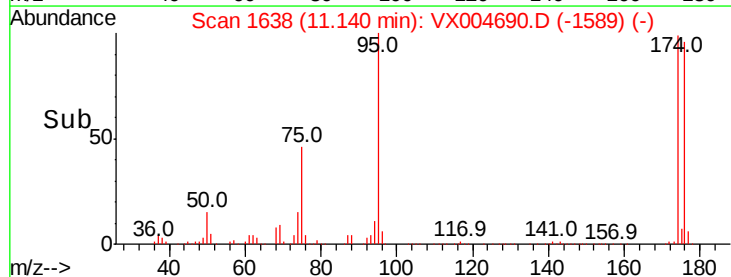
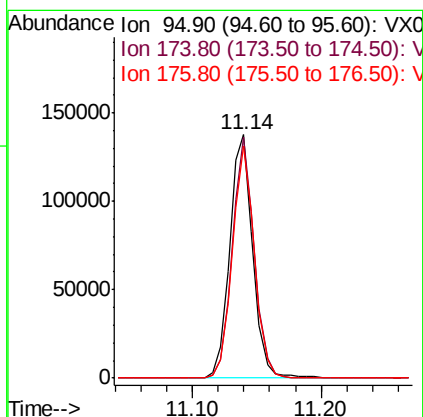
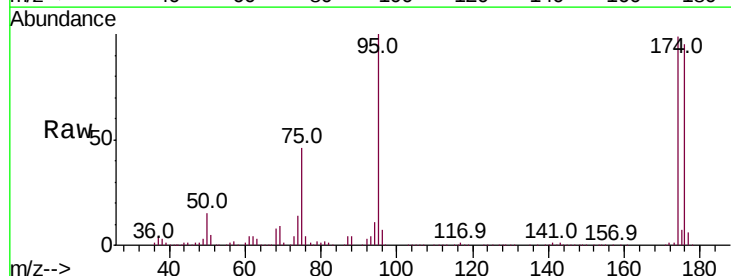
Instrument :
 MSVOA_X
 ClientSampled :

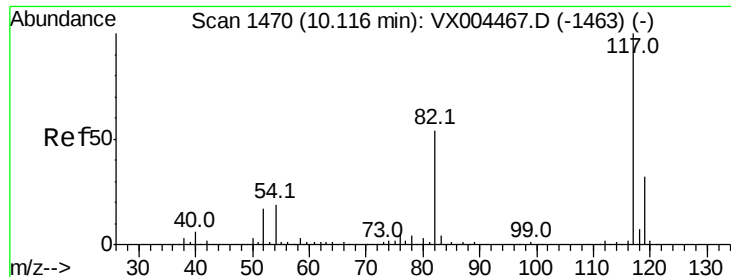
Tot Ion:129 Resp: 603
 Ion Ratio Lower Upper
 129 100
 127 63.7 38.5 115.5



#62
 4-Bromofluorobenzene
 Concen: 46.064 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004690.D
 Acq: 19 Sep 2018 06:29

Tgt Ion: 95 Resp: 171716
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 185.2
 176 91.4 0.0 178.6

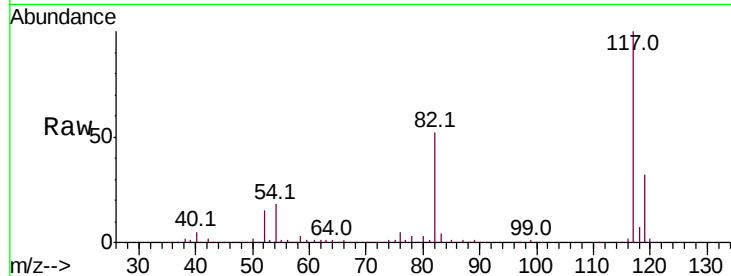




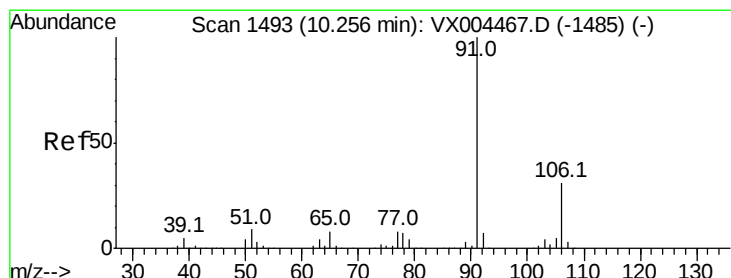
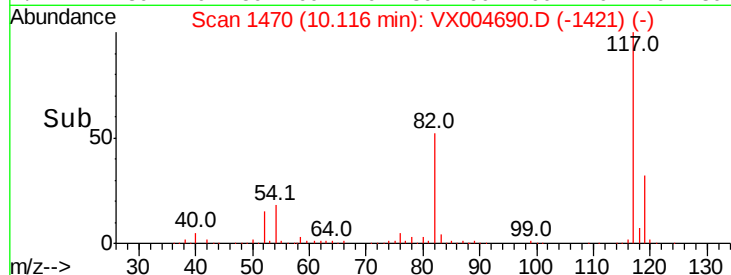
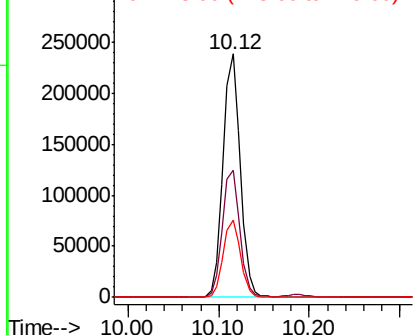
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 317997
Ion Ratio Lower Upper
117 100
82 52.2 47.8 71.6
119 31.9 29.3 43.9

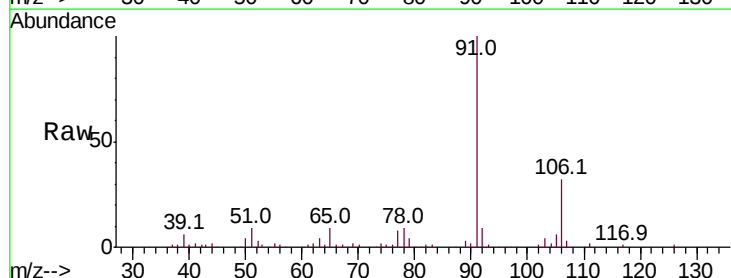


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

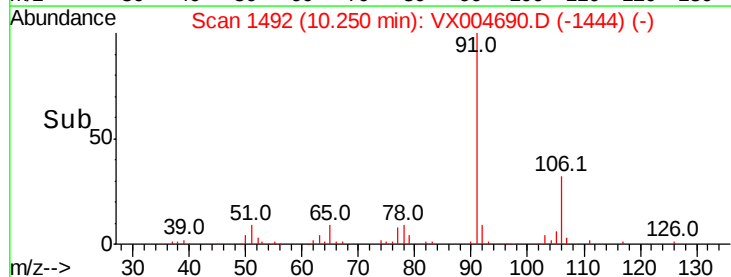
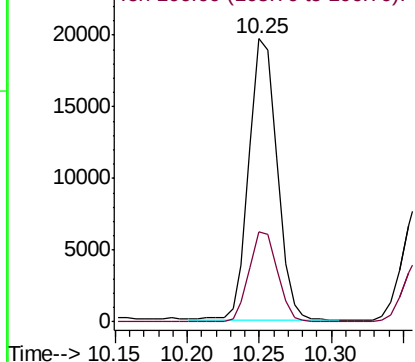


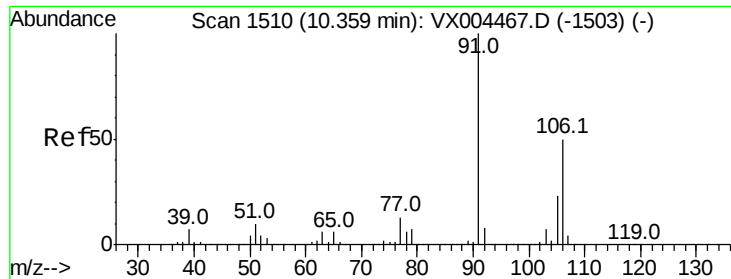
#67
Ethyl Benzene
Concen: 2.083 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

Tgt Ion: 91 Resp: 26748
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9



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

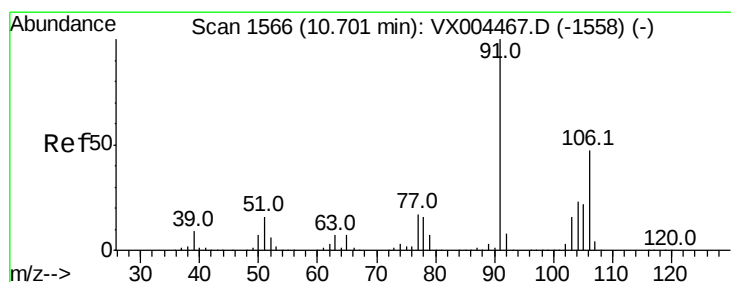
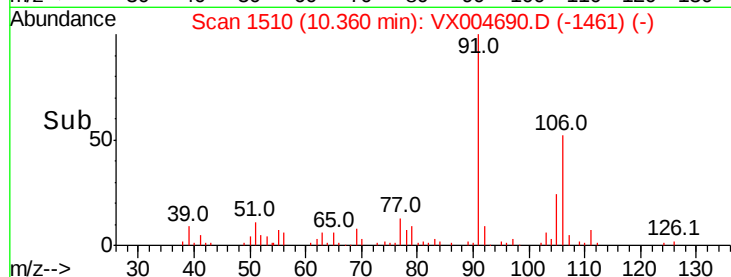
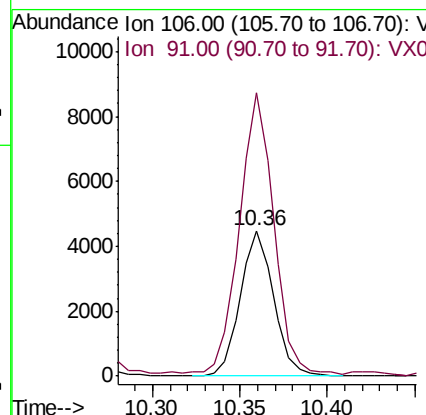
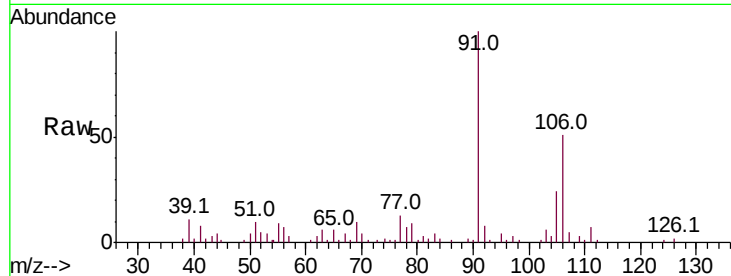




#68
m/p-Xylenes
Concen: 1.202 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

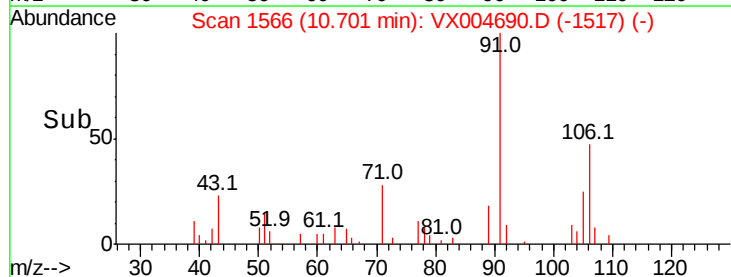
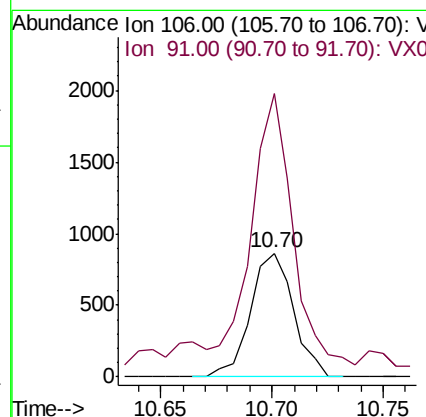
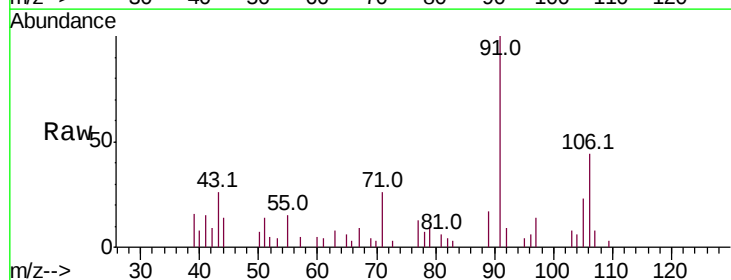
Instrument :
MSVOA_X
ClientSampleId :

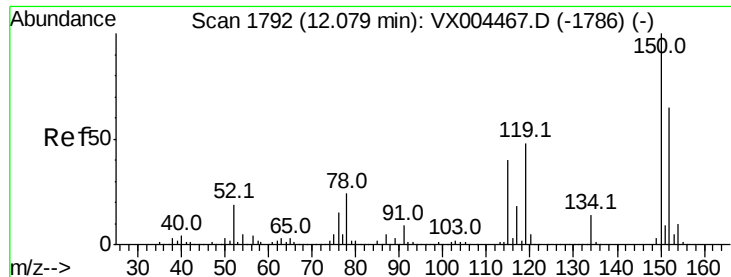
Tot Ion:106 Resp: 5949
Ion Ratio Lower Upper
106 100
91 197.7 157.1 235.7



#69
o-Xylene
Concen: 0.245 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

Tgt Ion:106 Resp: 1167
Ion Ratio Lower Upper
106 100
91 251.2 105.1 315.1



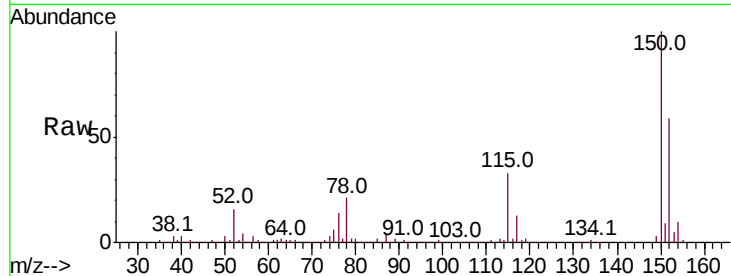


#72

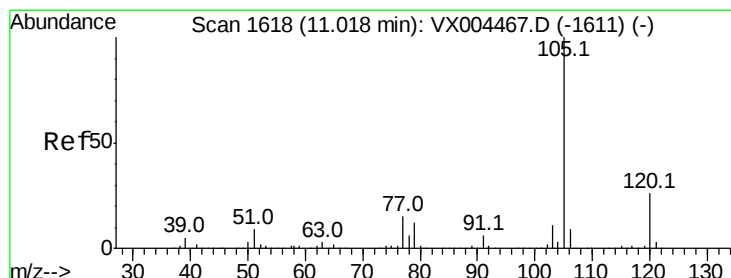
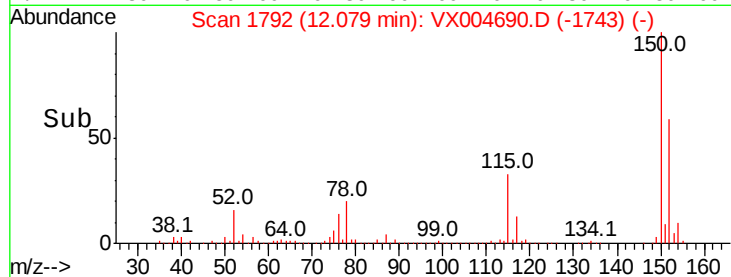
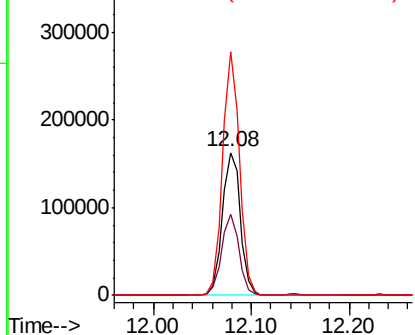
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 208544
Ion Ratio Lower Upper
152 100
115 54.6 39.0 117.0
150 159.8 0.0 351.0



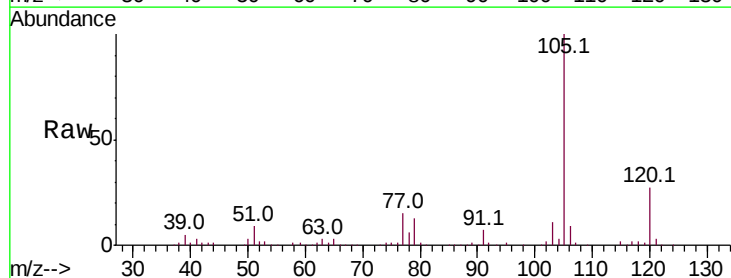
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



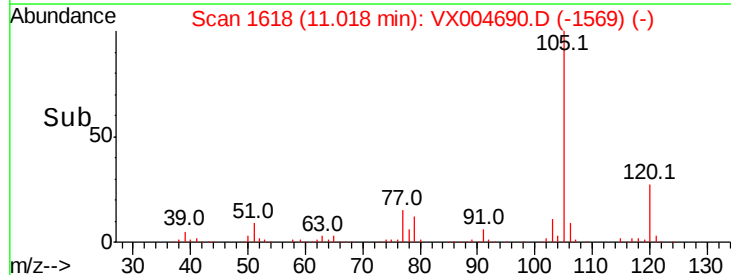
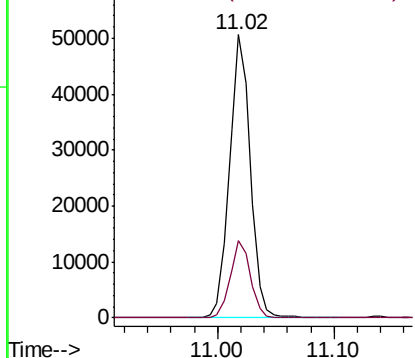
#73

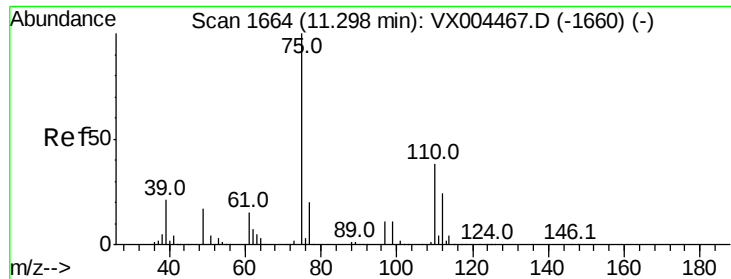
Isopropylbenzene
Concen: 4.592 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

Tgt Ion:105 Resp: 63065
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 18.766 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :

MSVOA_X

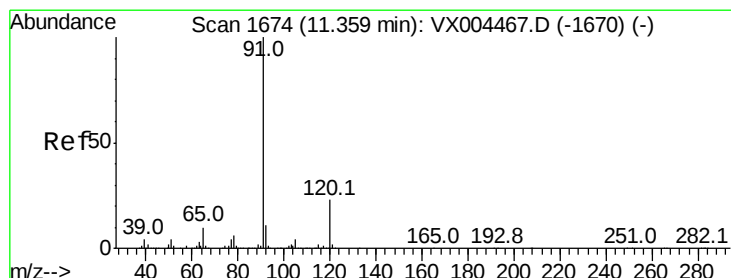
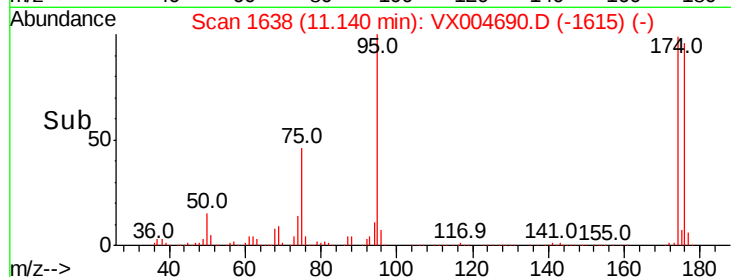
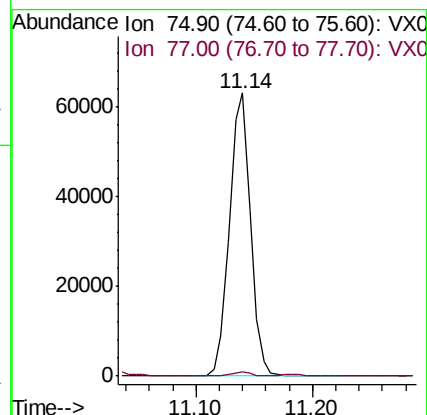
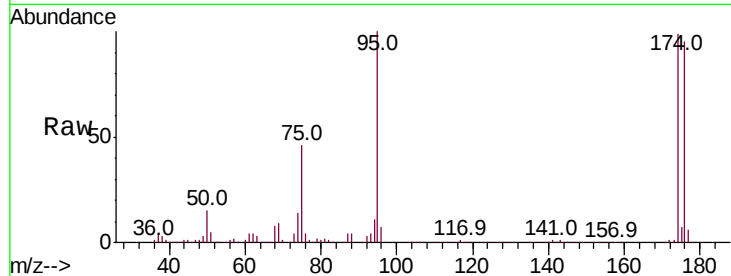
ClientSampleId :

Tot Ion: 75 Resp: 78736

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#78

n-propylbenzene

Concen: 5.715 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004690.D

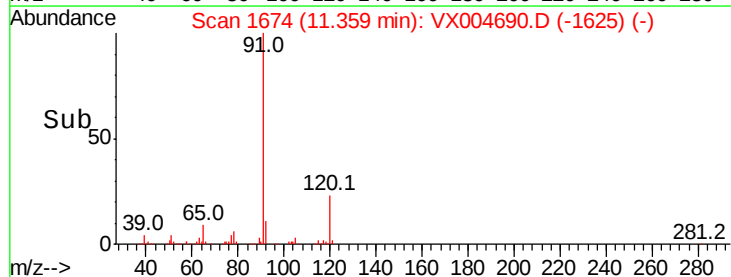
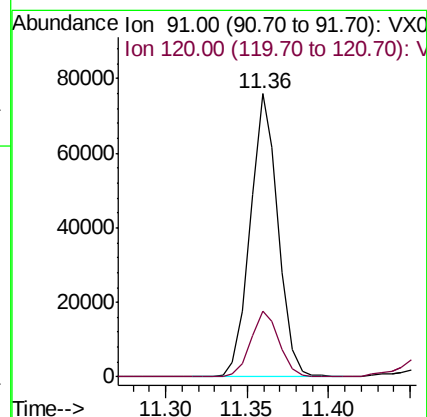
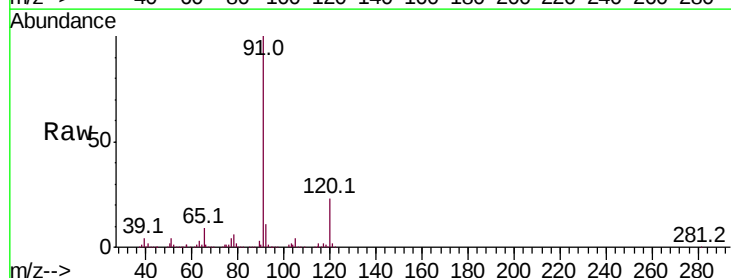
Acq: 19 Sep 2018 06:29

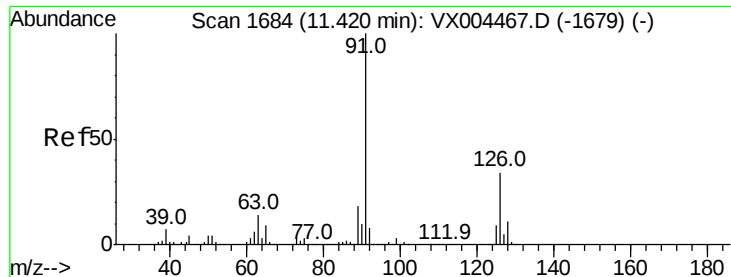
Tgt Ion: 91 Resp: 90258

Ion Ratio Lower Upper

91 100

120 23.7 11.9 35.9





#79

2-Chlorotoluene

Concen: 0.338 ug/l

RT: 11.46 min Scan# 1690

Delta R.T. 0.04 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :

MSVOA_X

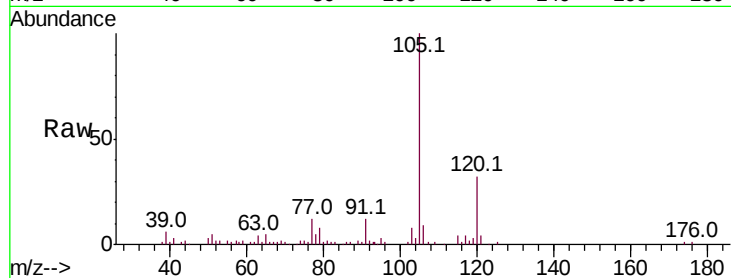
ClientSampleId :

Tot Ion: 91 Resp: 3239

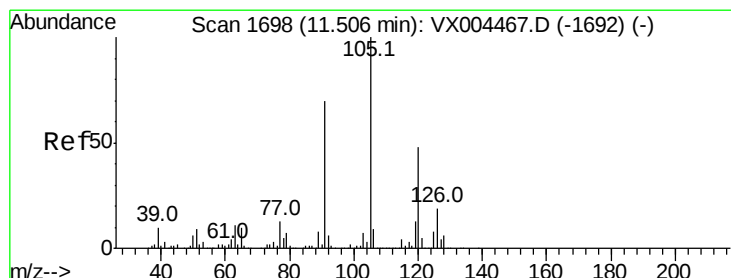
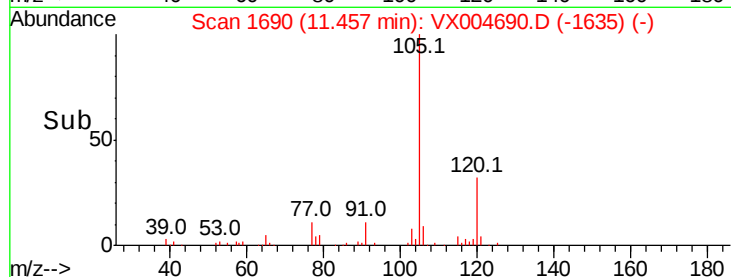
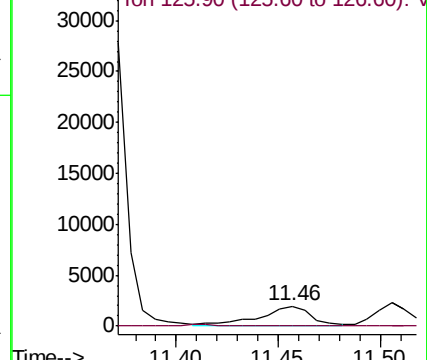
Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.101 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004690.D

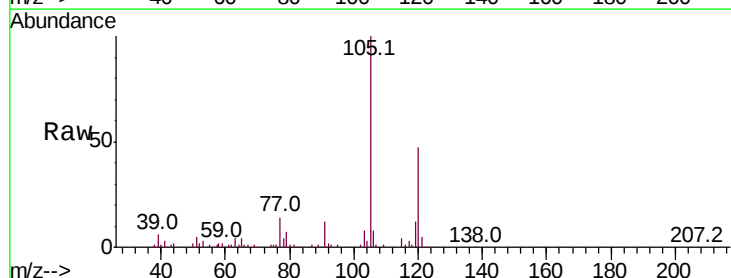
Acq: 19 Sep 2018 06:29

Tgt Ion:105 Resp: 24254

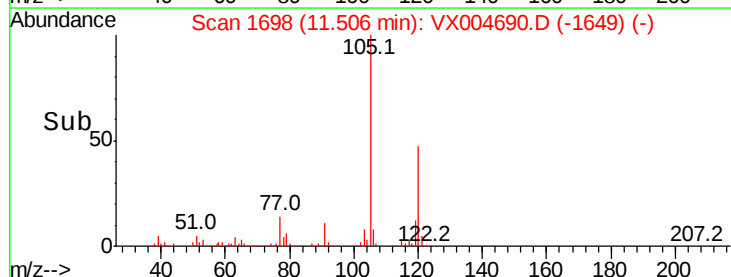
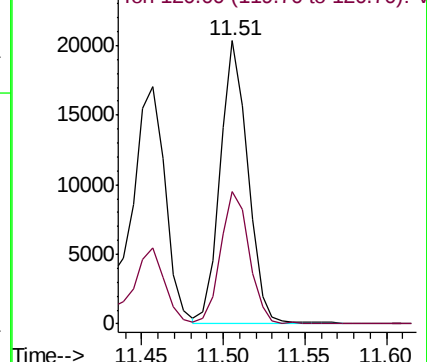
Ion Ratio Lower Upper

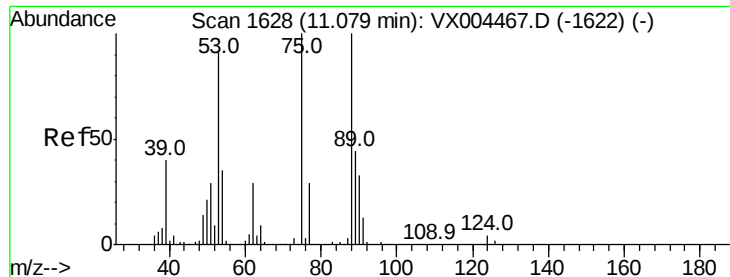
105 100

120 48.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 59.816 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :

MSVOA_X

ClientSampleId :

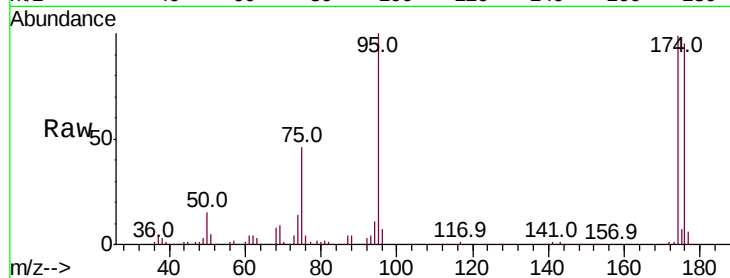
Tot Ion: 75 Resp: 78736

Ion Ratio Lower Upper

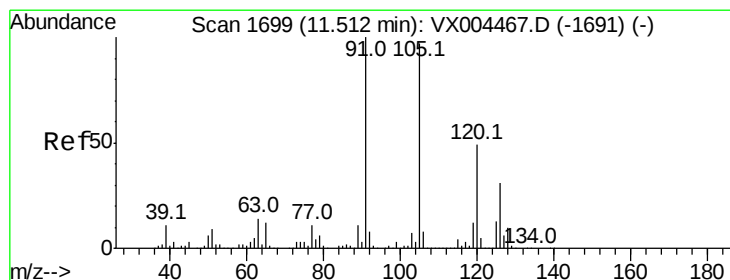
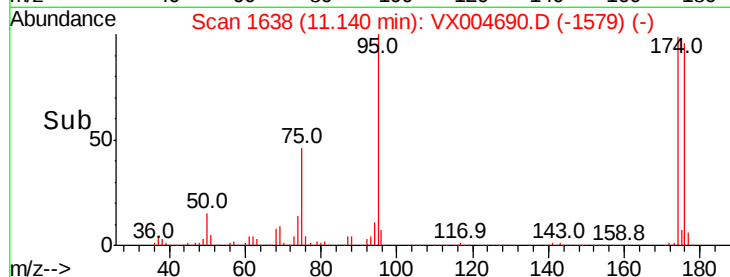
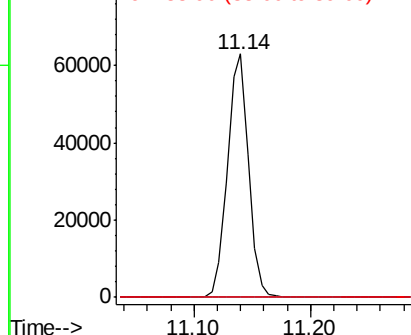
75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#



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



#82

4-Chlorotoluene

Concen: 0.290 ug/l

RT: 11.46 min Scan# 1690

Delta R.T. -0.05 min

Lab File: VX004690.D

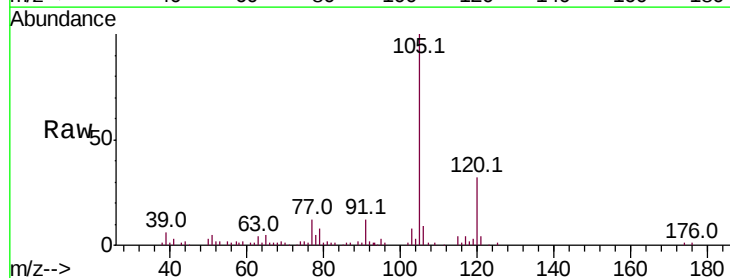
Acq: 19 Sep 2018 06:29

Tgt Ion: 91 Resp: 3239

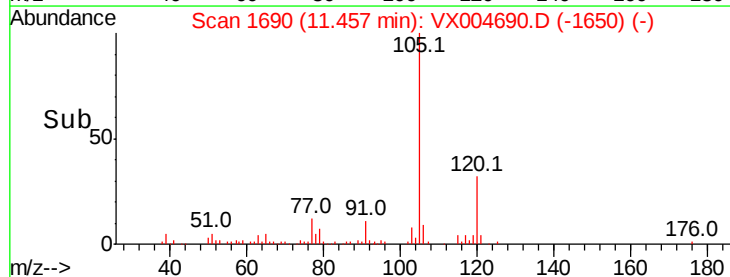
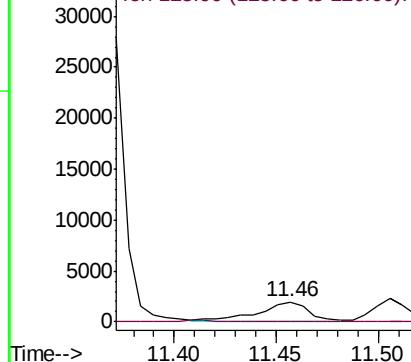
Ion Ratio Lower Upper

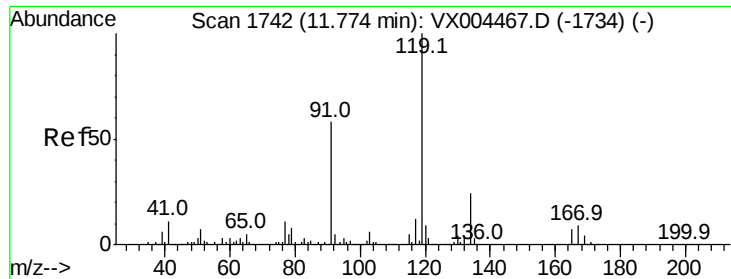
91 100

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: 0.400 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

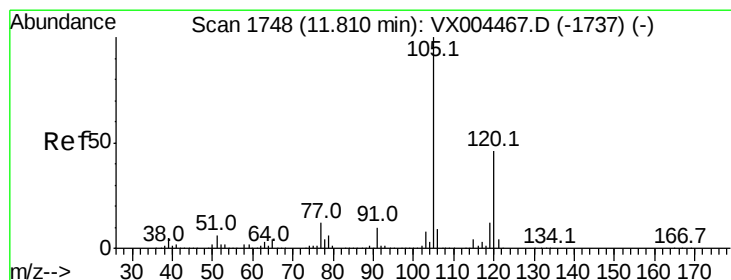
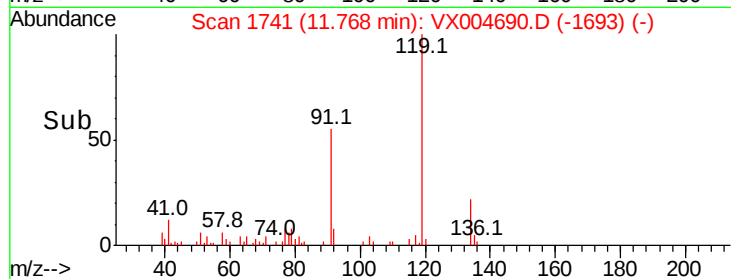
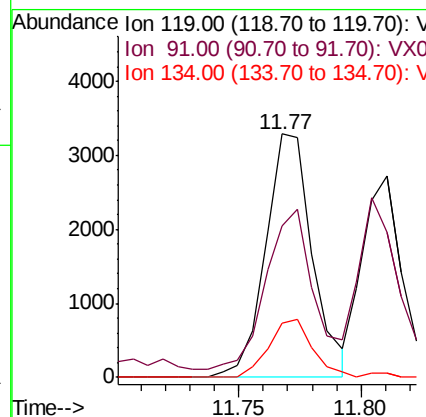
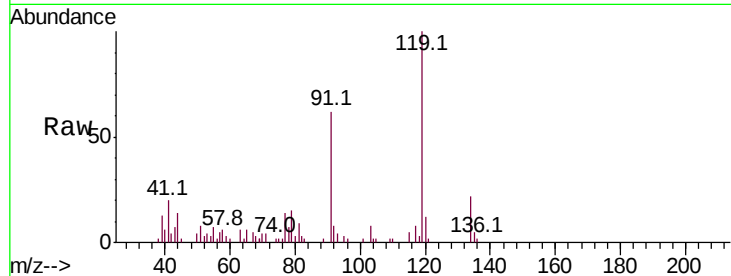
Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:119 Resp: 4399

Ion	Ratio	Lower	Upper
119	100		
91	67.0	27.0	81.0
134	22.0	11.7	35.1



#84

1,2,4-Trimethylbenzene

Concen: 2.158 ug/l

RT: 11.80 min Scan# 1747

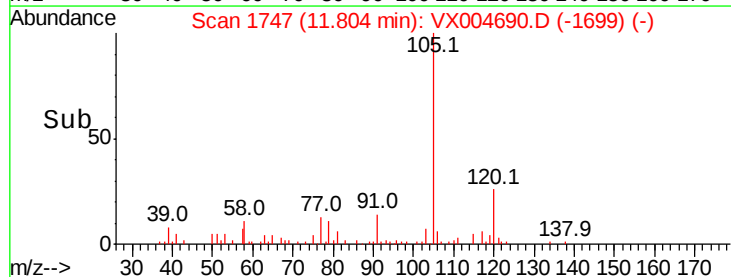
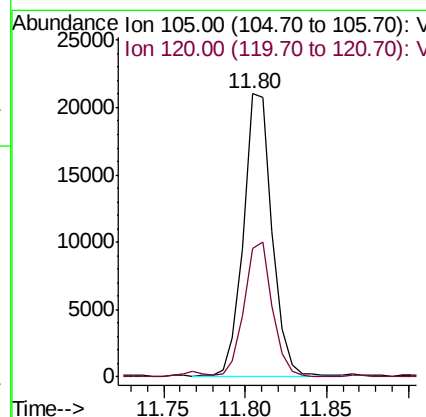
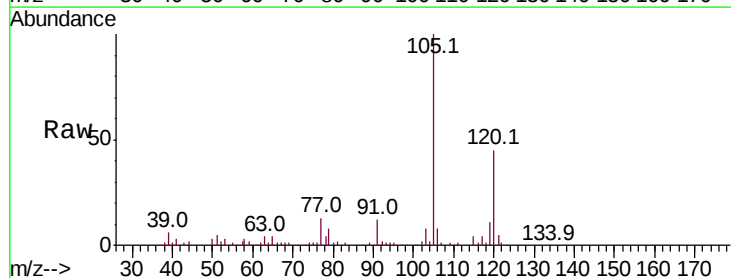
Delta R.T. -0.01 min

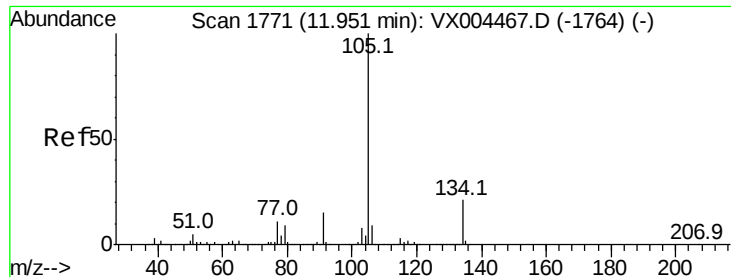
Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Tgt Ion:105 Resp: 25444

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.2	69.6





#85

sec-Butylbenzene

Concen: 2.276 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :

MSVOA_X

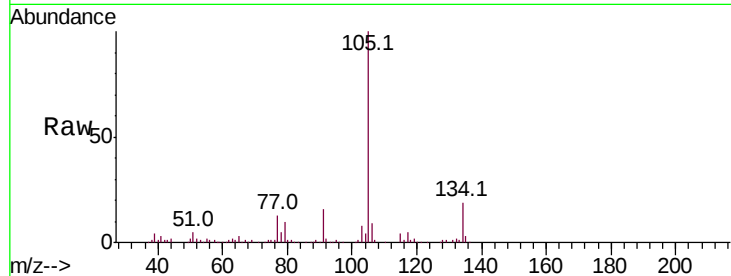
ClientSampleId :

Tot Ion:105 Resp: 31883

Ion Ratio Lower Upper

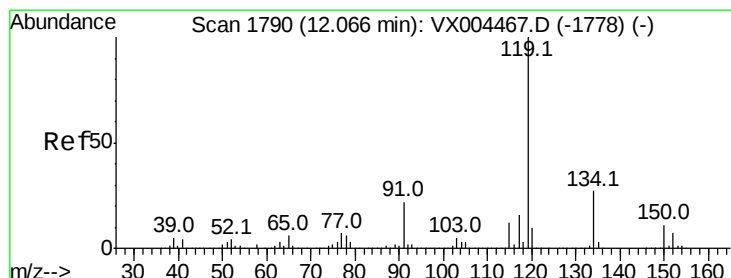
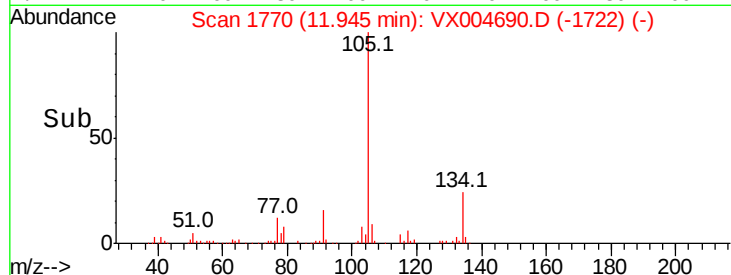
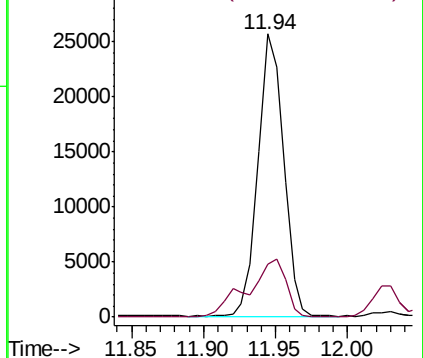
105 100

134 30.8 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.632 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

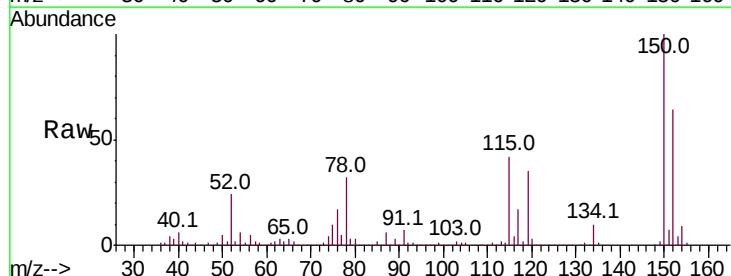
Tgt Ion:119 Resp: 32562

Ion Ratio Lower Upper

119 100

134 28.3 13.4 40.2

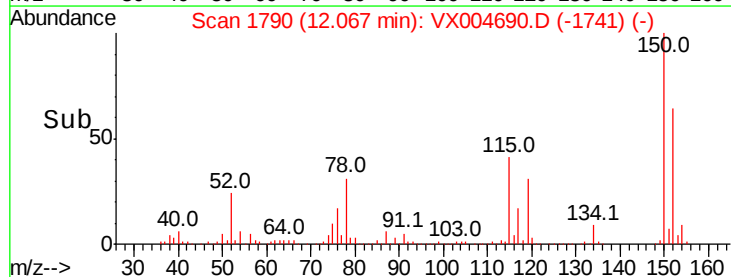
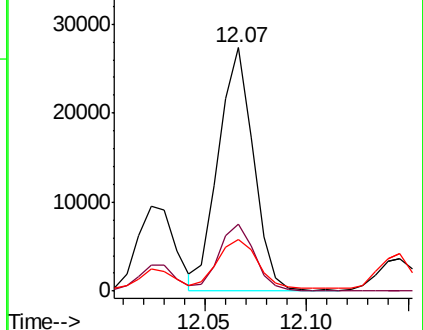
91 24.7 10.9 32.7

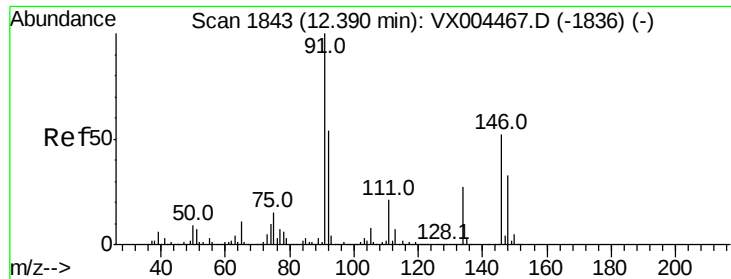


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

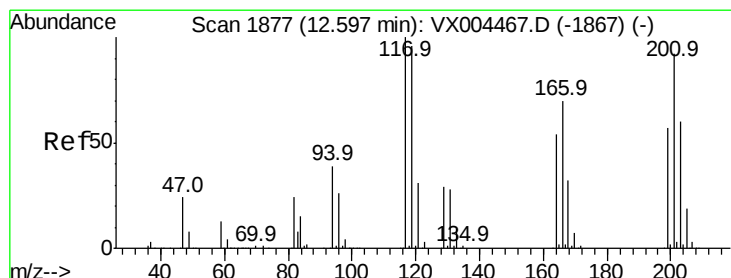
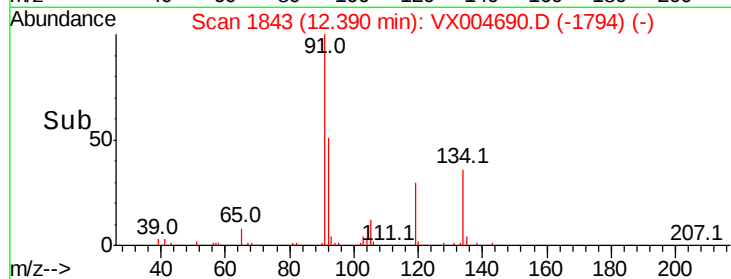
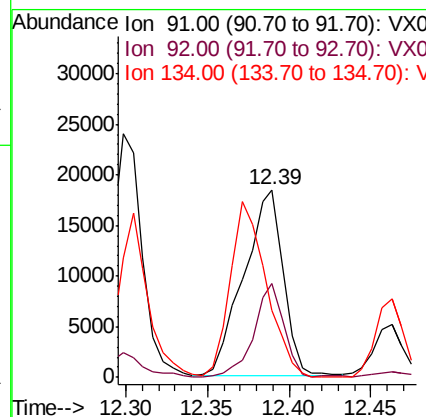
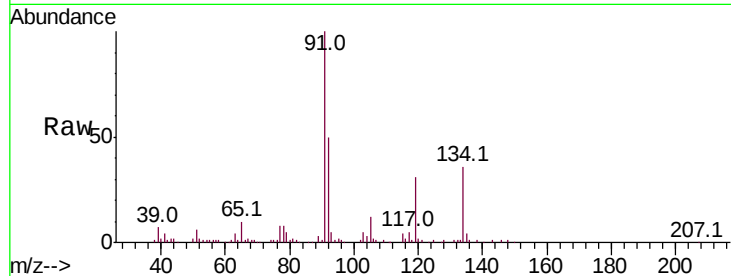




#89
n-Butylbenzene
Concen: 2.737 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

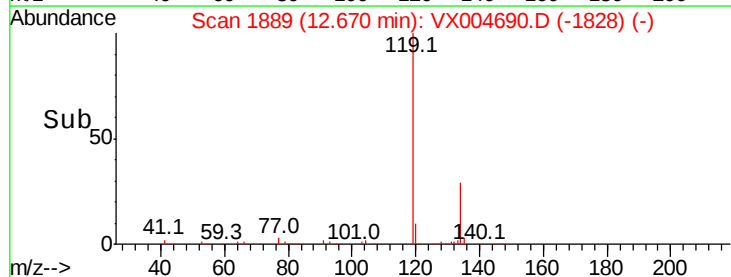
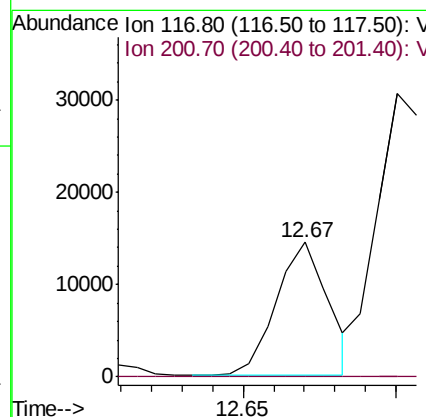
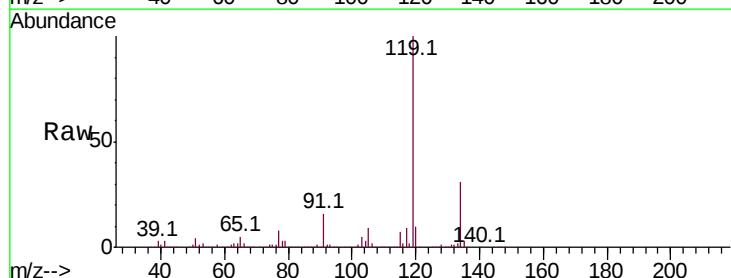
Instrument :
MSVOA_X
ClientSampled :

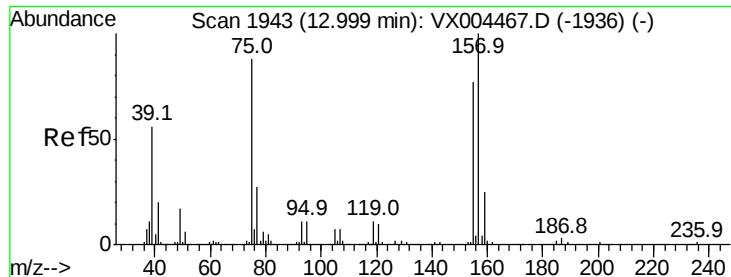
Tot Ion: 91 Resp: 30852
Ion Ratio Lower Upper
91 100
92 38.8 27.3 81.9
134 86.1 13.6 40.7#



#90
Hexachloroethane
Concen: 8.593 ug/l
RT: 12.67 min Scan# 1889
Delta R.T. 0.07 min
Lab File: VX004690.D
Acq: 19 Sep 2018 06:29

Tgt Ion: 117 Resp: 17017
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.290 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

Instrument :

MSVOA_X

ClientSampleId :

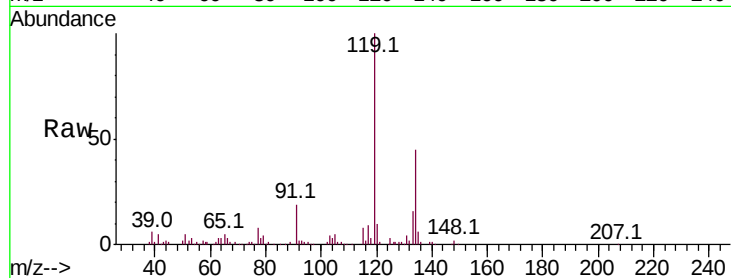
Tot Ion: 75 Resp: 274

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

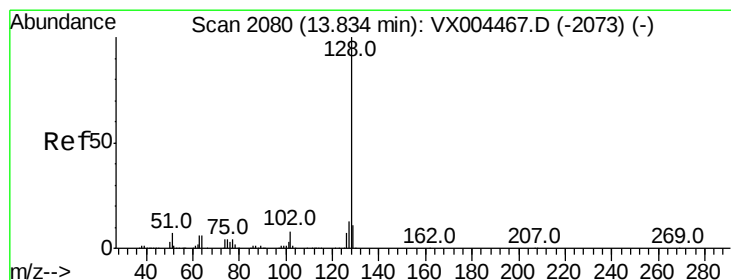
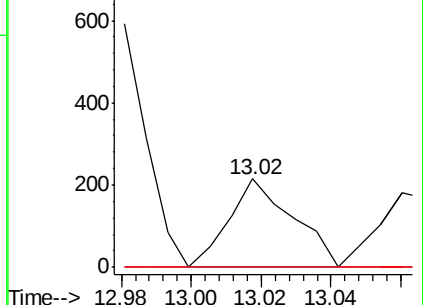
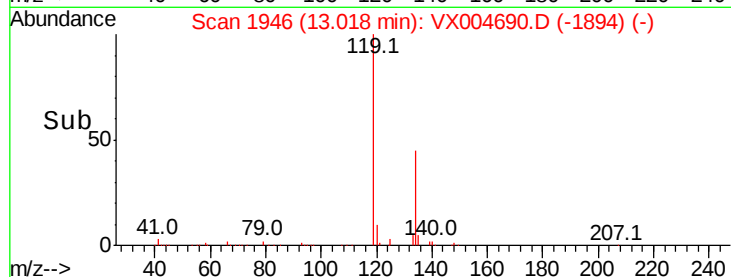
157 0.0 61.4 184.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 8.941 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004690.D

Acq: 19 Sep 2018 06:29

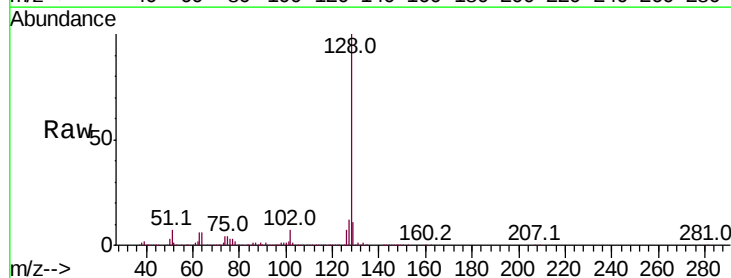
Tgt Ion: 128 Resp: 127290

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 13.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

