

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120920\
 Data File : VX019775.D
 Acq On : 09 Dec 2020 13:51
 Operator : JC/MD
 Sample : L4965-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT014-1-3

Quant Time: Dec 10 05:39:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	343725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	565411	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	514833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	226864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	208635	46.18	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.36%		
35) Dibromofluoromethane	5.46	113	173265	47.42	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.84%		
50) Toluene-d8	8.70	98	676590	48.50	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.00%		
62) 4-Bromofluorobenzene	11.12	95	240635	45.32	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.64%		

Target Compounds

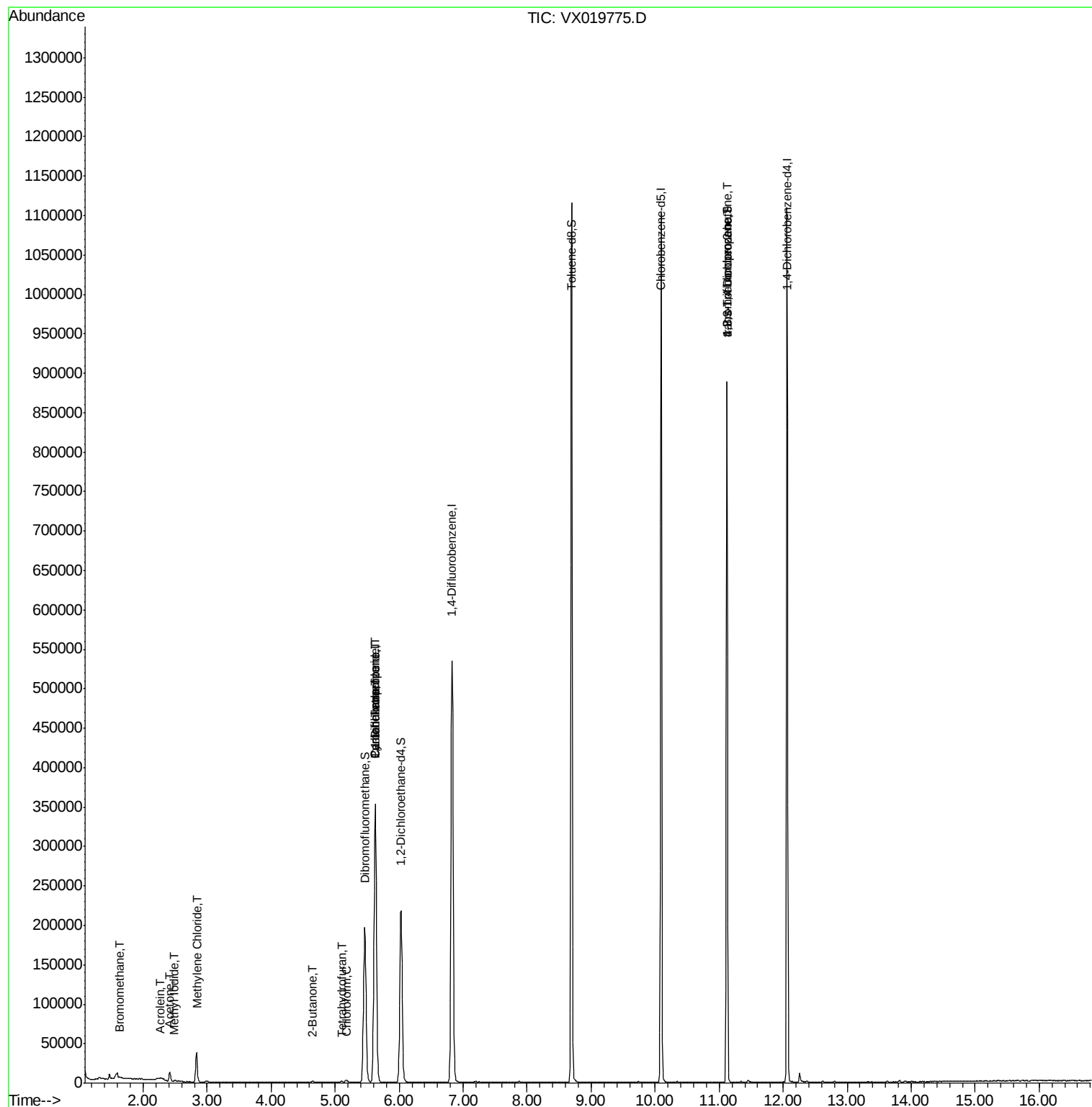
					Qvalue	
5) Bromomethane	1.63	94	830	0.641	ug/l	91
10) Methyl Iodide	2.50	142	2256	0.491	ug/l #	97
11) Tert butyl alcohol	3.00	59	1292	Below Cal	#	73
13) Acrolein	2.26	56	355	0.712	ug/l #	25
16) Acetone	2.42	43	11386	6.705	ug/l	100
20) Methylene Chloride	2.83	84	17761	3.252	ug/l	96
25) 2-Butanone	4.64	43	1365	0.523	ug/l #	45
29) Tetrahydrofuran	5.10	42	1048	0.623	ug/l #	86
30) Chloroform	5.18	83	3165	0.475	ug/l	99
31) Cyclohexane	5.62	56	6409	1.140	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	25863	5.062	ug/l #	48
38) Carbon Tetrachloride	5.63	117	33529	6.701	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	117195	23.033	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	117195	66.584	ug/l #	12

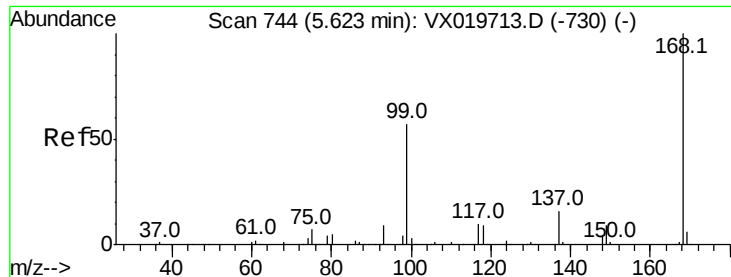
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 10 05:39:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019775.D

Acq: 09 Dec 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

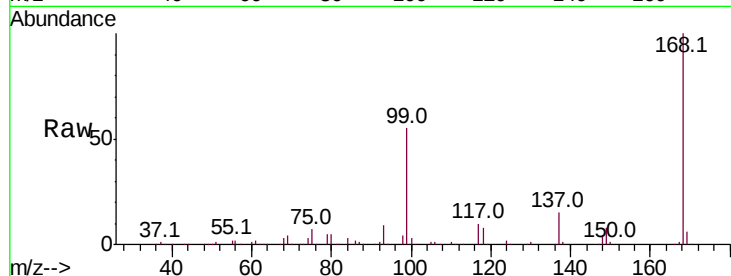
CRT014-1-3

Tot Ion:168 Resp: 343725

Ion Ratio Lower Upper

168 100

99 55.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

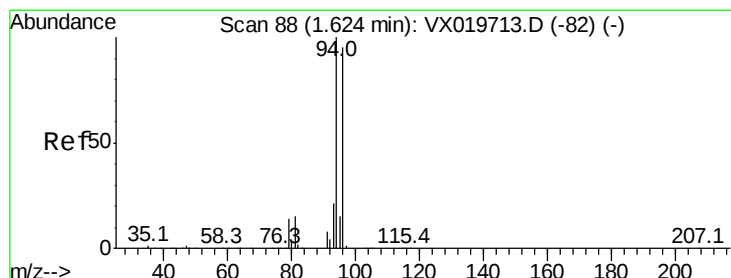
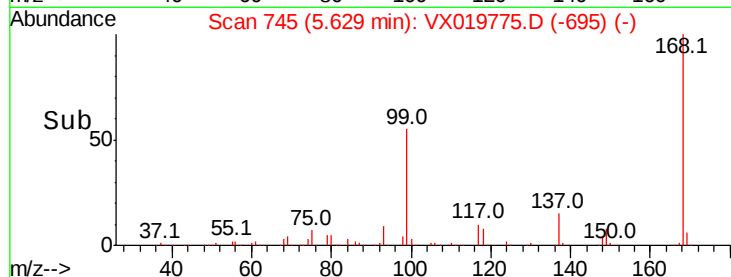
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.641 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019775.D

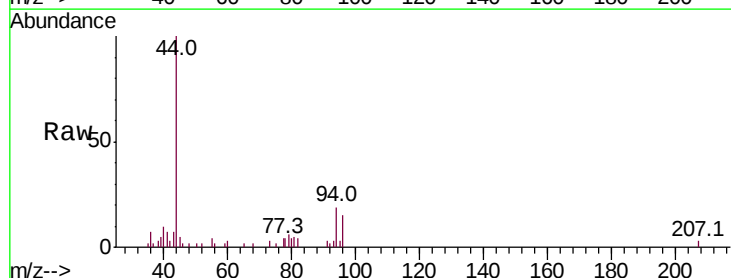
Acq: 09 Dec 2020 13:51

Tgt Ion: 94 Resp: 830

Ion Ratio Lower Upper

94 100

96 86.8 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

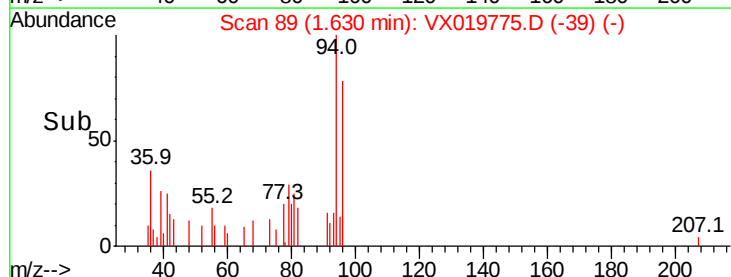
600

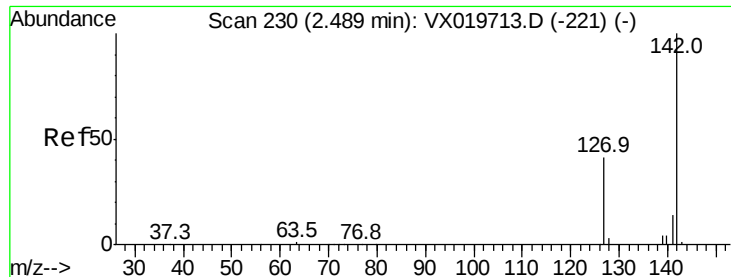
400

200

0

Time-->

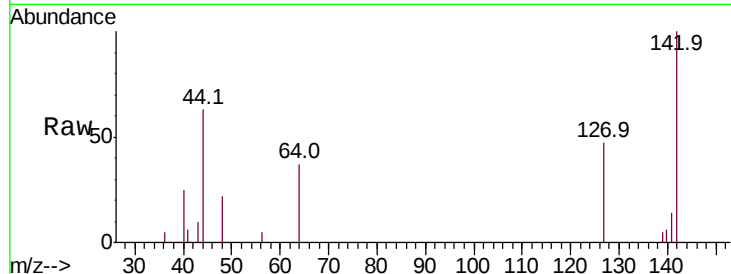




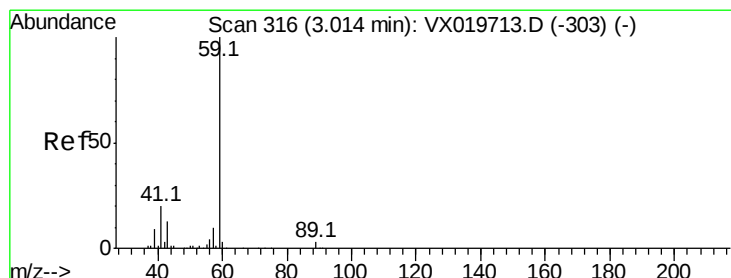
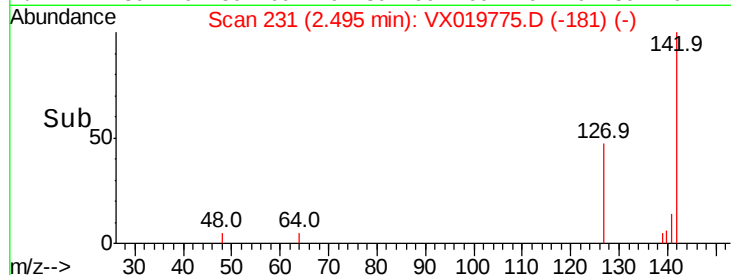
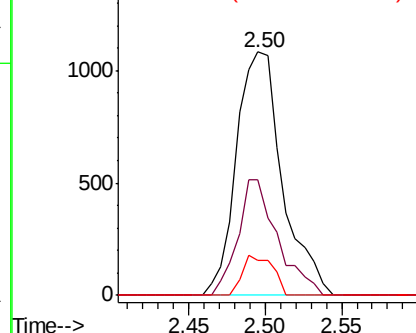
#10
Methyl Iodide
Concen: 0.491 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

Instrument :
MSVOA_X
ClientSampled :
CRT014-1-3

Tot Ion:142 Resp: 2256
Ion Ratio Lower Upper
142 100
127 41.0 33.3 49.9
141 10.7 11.4 17.0#

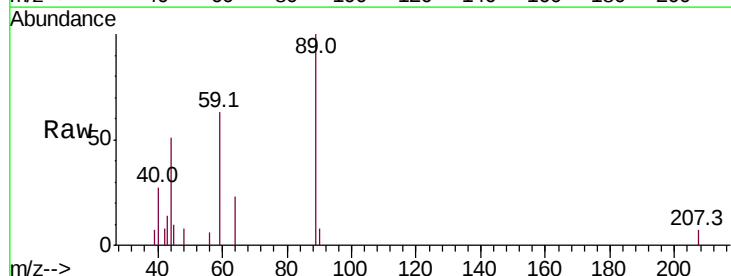


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

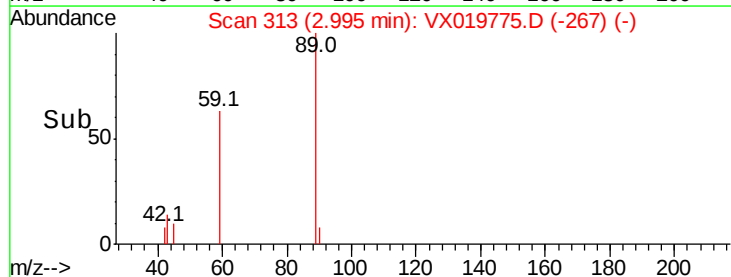
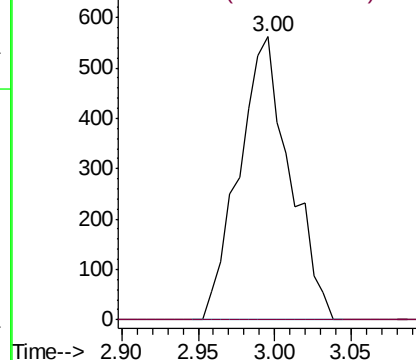


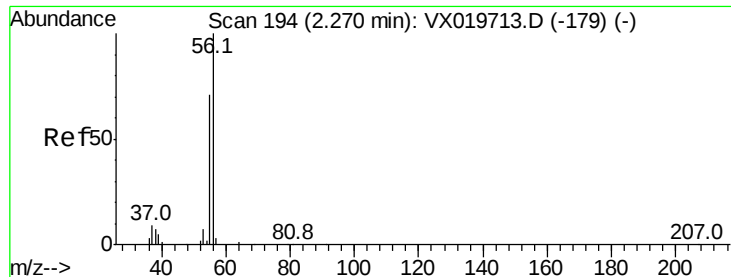
#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

Tgt Ion: 59 Resp: 1292
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.712 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019775.D

Acq: 09 Dec 2020 13:51

Instrument :

MSVOA_X

ClientSampled :

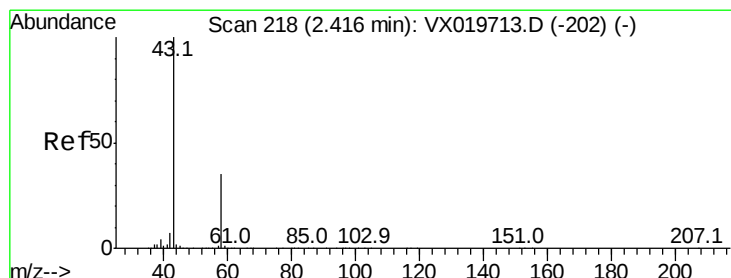
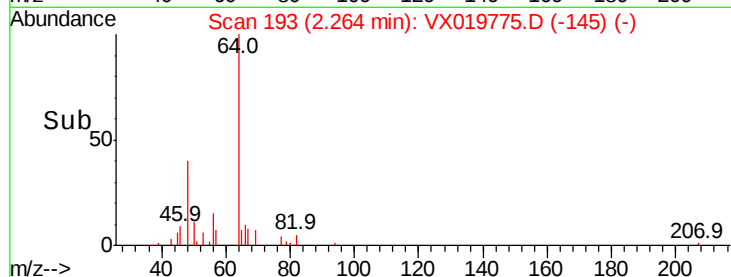
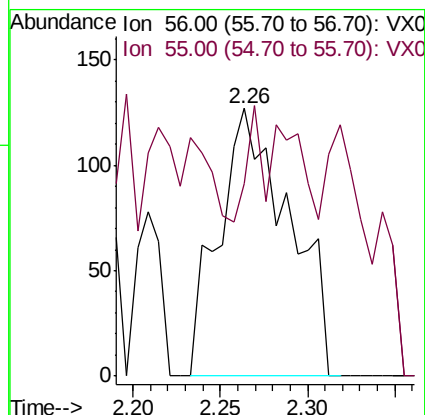
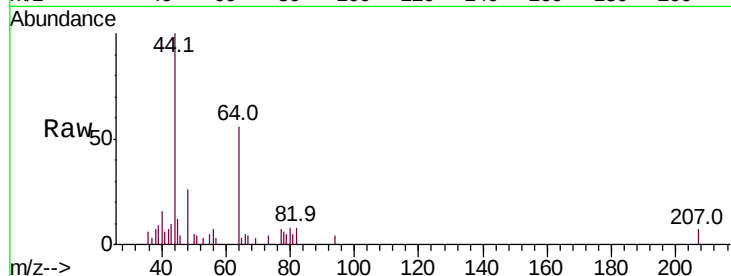
CRT014-1-3

Tot Ion: 56 Resp: 355

Ion Ratio Lower Upper

56 100

55 8.5 56.4 84.6#



#16

Acetone

Concen: 6.705 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019775.D

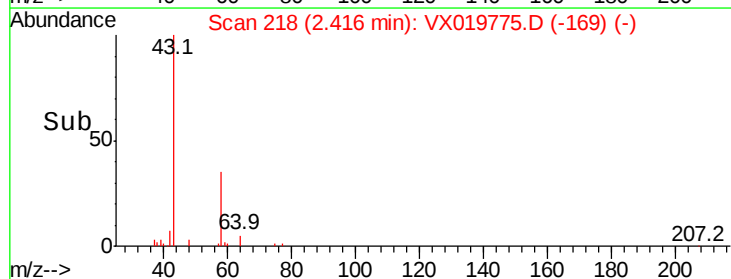
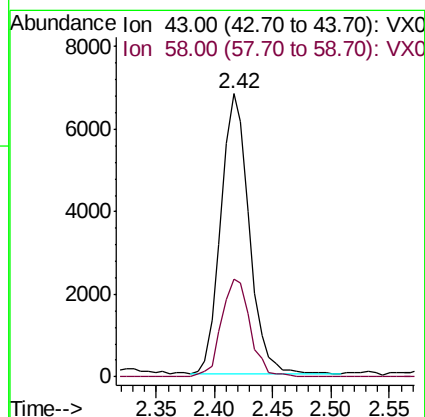
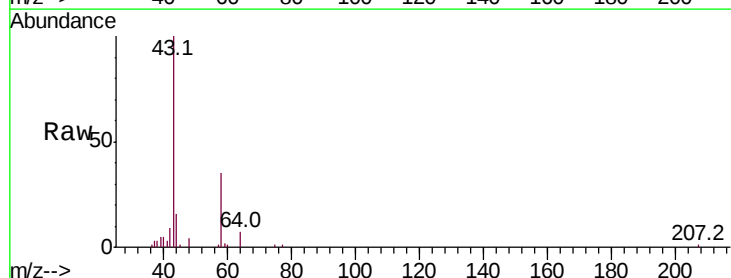
Acq: 09 Dec 2020 13:51

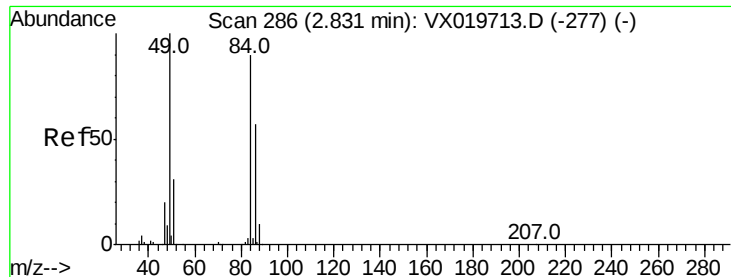
Tgt Ion: 43 Resp: 11386

Ion Ratio Lower Upper

43 100

58 35.1 27.8 41.8

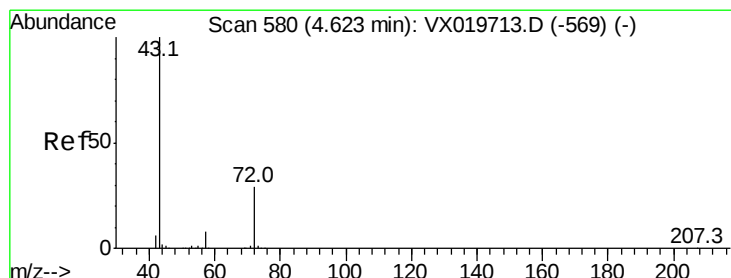
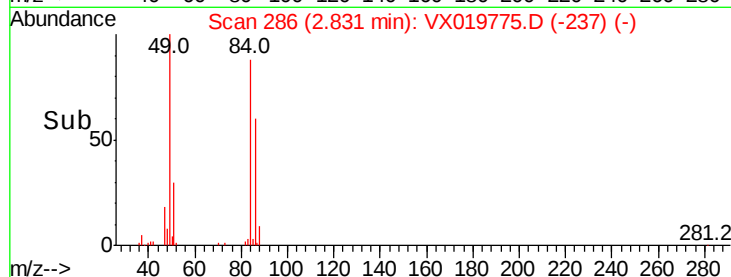
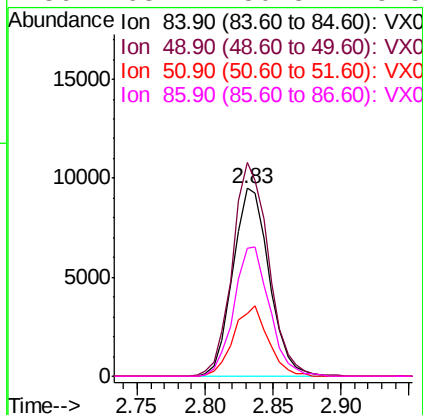
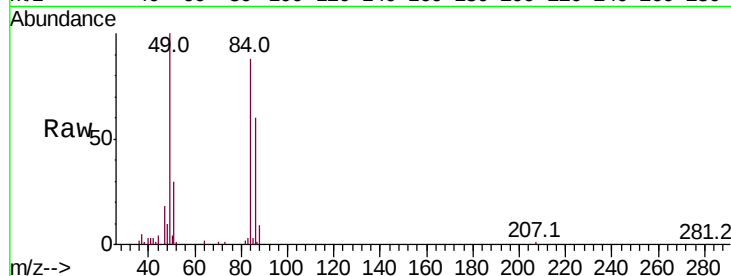




#20
Methvlene Chloride
Concen: 3.252 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

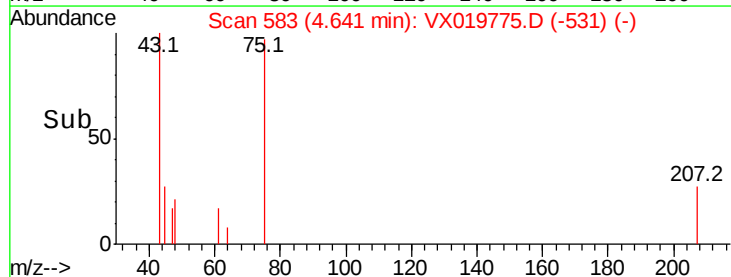
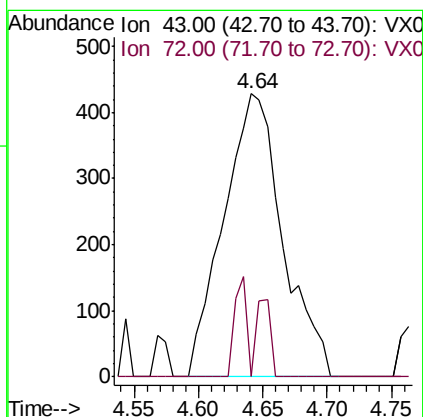
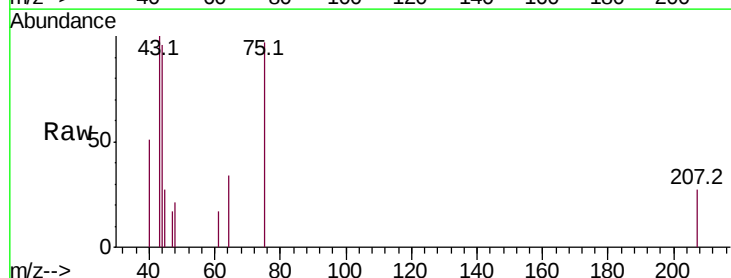
Instrument :
MSVOA_X
ClientSampleId :
CRT014-1-3

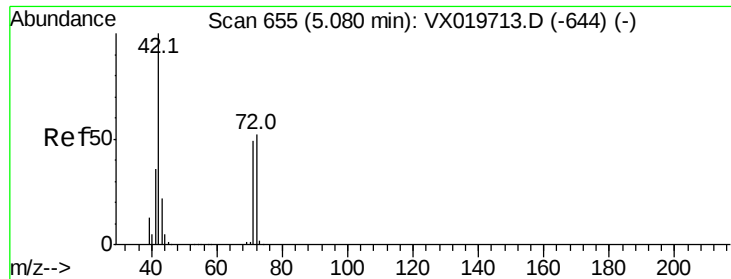
Tot Ion:	84	Resp:	17761
Ion	Ratio	Lower	Upper
84	100		
49	113.7	88.6	132.8
51	33.6	27.0	40.6
86	68.2	50.3	75.5



#25
2-Butanone
Concen: 0.523 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

Tgt Ion:	43	Resp:	1365
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#

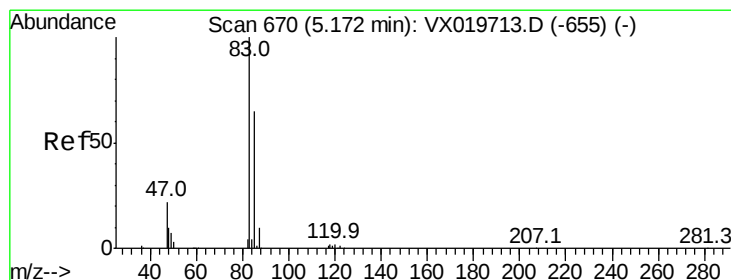
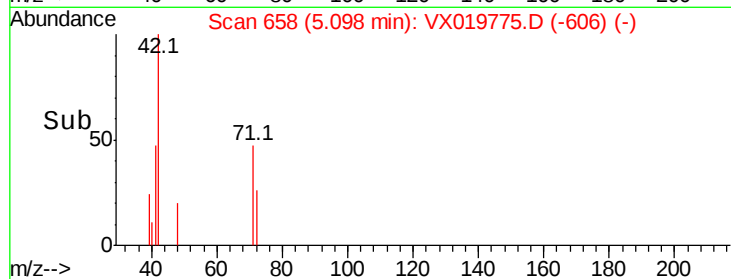
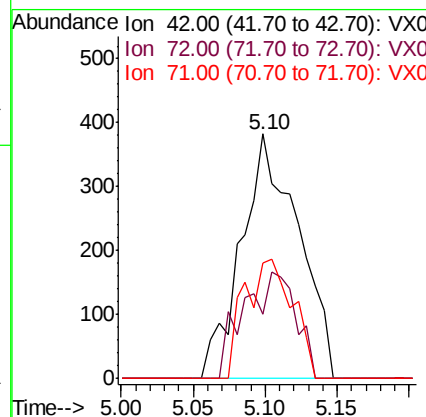
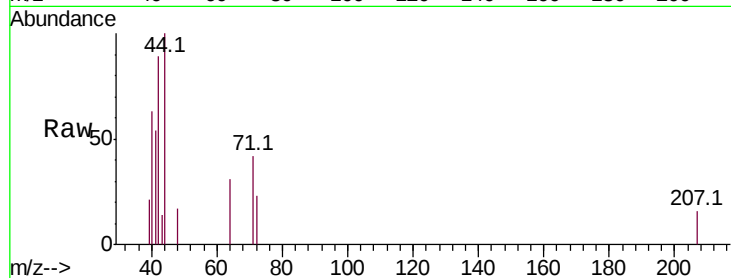




#29
Tetrahydrofuran
Concen: 0.623 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

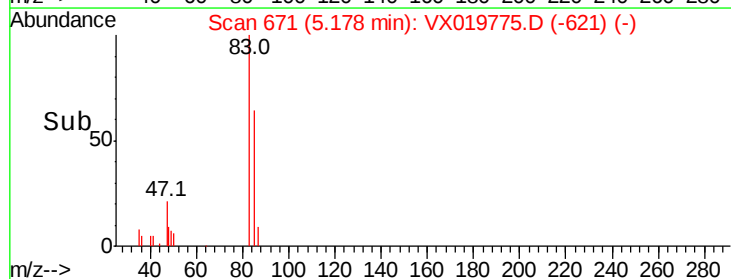
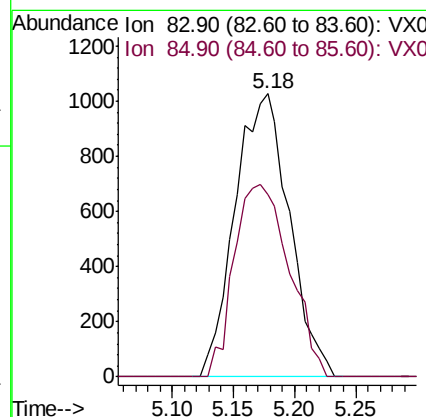
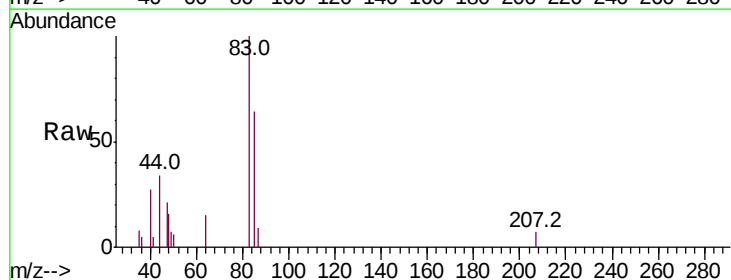
Instrument :
MSVOA_X
ClientSampleId :
CRT014-1-3

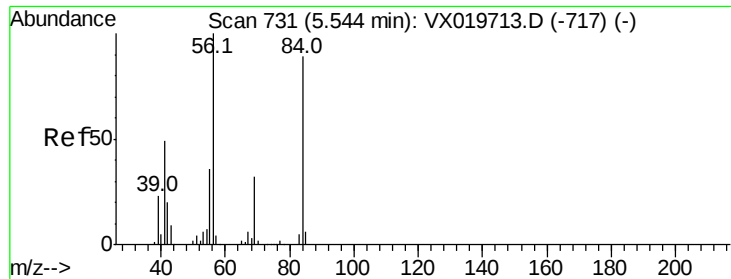
Tot Ion: 42 Resp: 1048
Ion Ratio Lower Upper
42 100
72 39.7 41.7 62.5#
71 41.5 38.4 57.6



#30
Chloroform
Concen: 0.475 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

Tgt Ion: 83 Resp: 3165
Ion Ratio Lower Upper
83 100
85 64.3 52.0 78.0

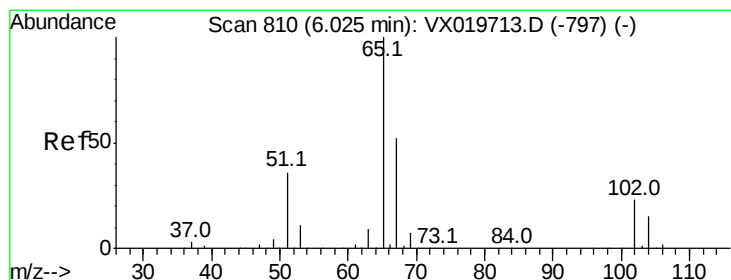
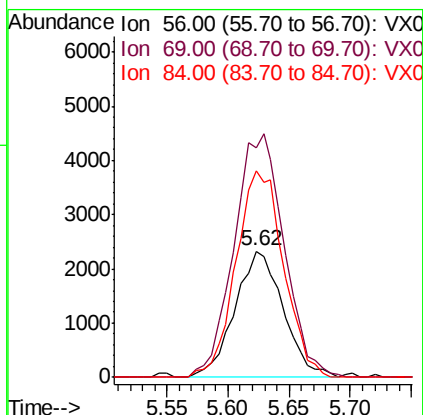
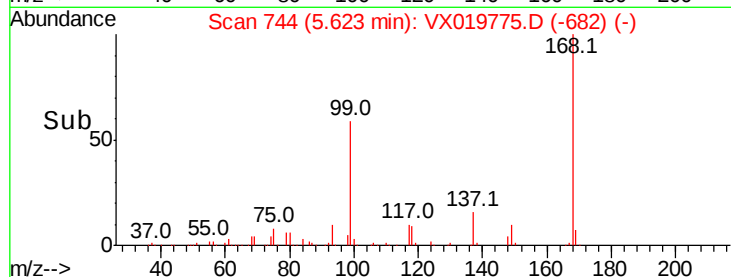
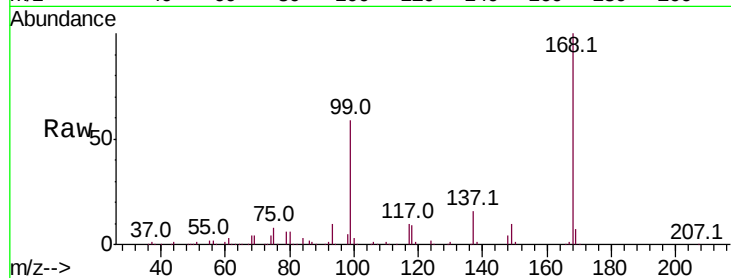




#31
Cvclohexane
Concen: 1.140 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

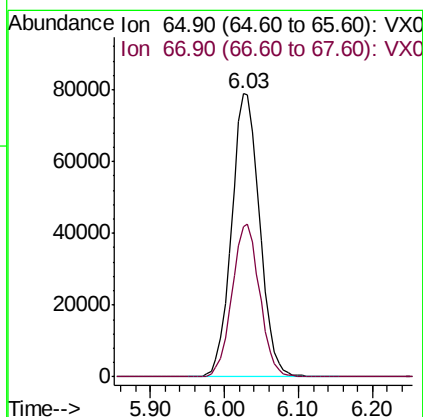
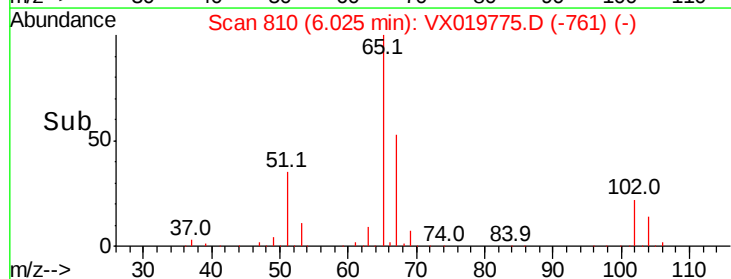
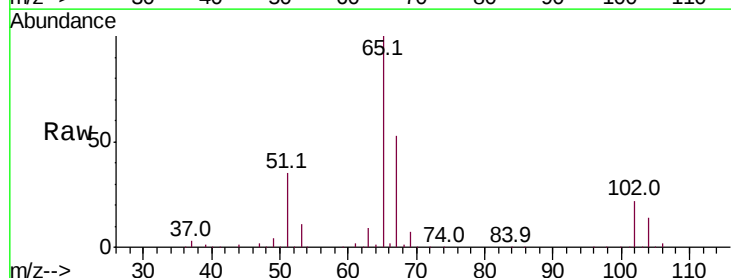
Instrument :
MSVOA_X
ClientSampleId :
CRT014-1-3

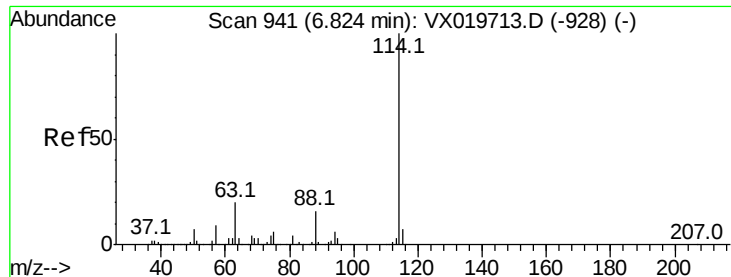
Tot Ion: 56 Resp: 6409
Ion Ratio Lower Upper
56 100
69 181.9 25.3 37.9#
84 163.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 46.183 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.00 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

Tgt Ion: 65 Resp: 208635
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019775.D

Acq: 09 Dec 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

CRT014-1-3

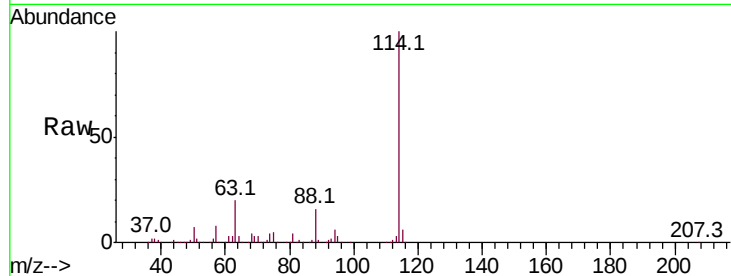
Tot Ion:114 Resp: 565411

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

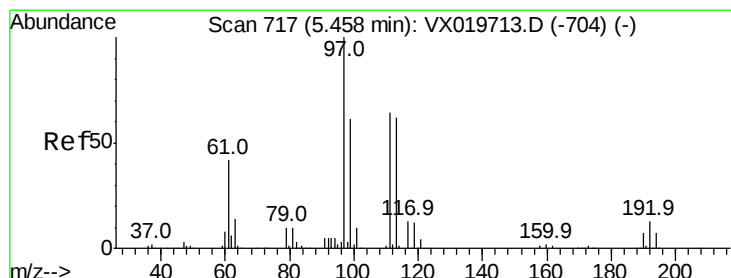
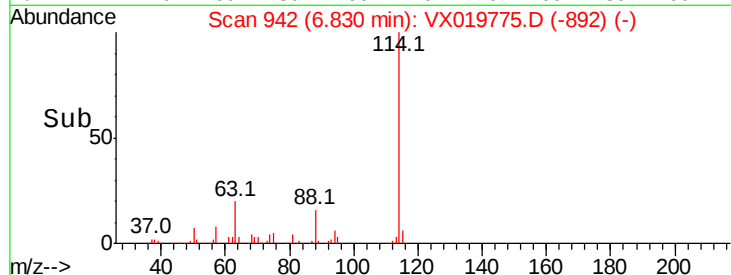
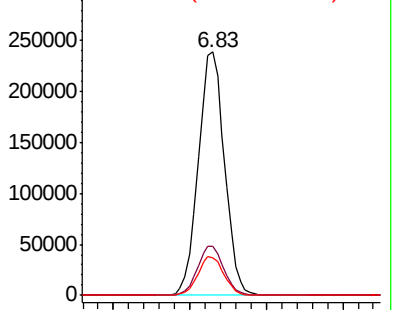
88 15.7 0.0 32.8



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: 47.416 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019775.D

Acq: 09 Dec 2020 13:51

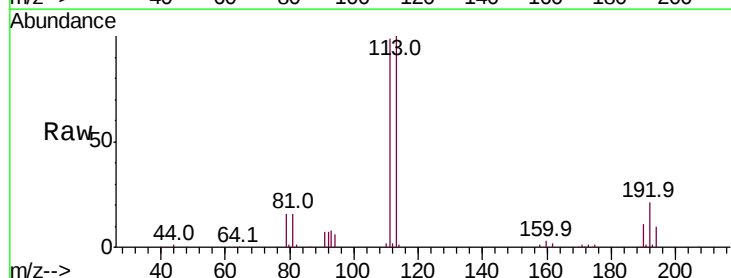
Tgt Ion:113 Resp: 173265

Ion Ratio Lower Upper

113 100

111 100.8 81.9 122.9

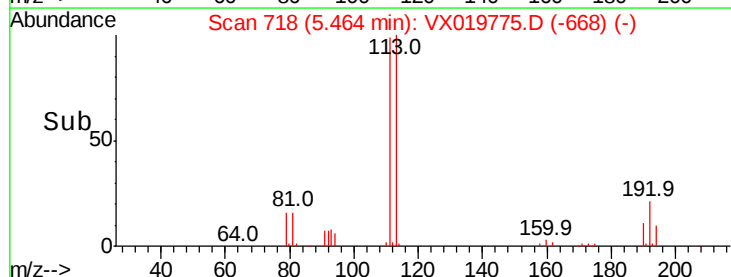
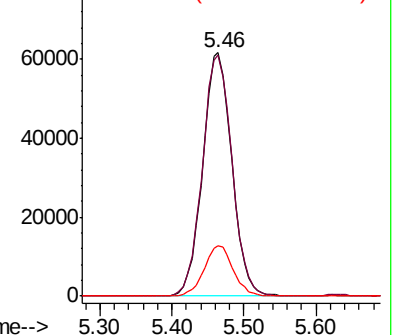
192 20.5 16.7 25.1

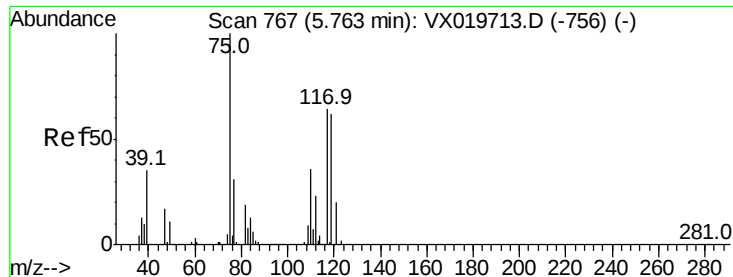


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.062 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019775.D

Acq: 09 Dec 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

CRT014-1-3

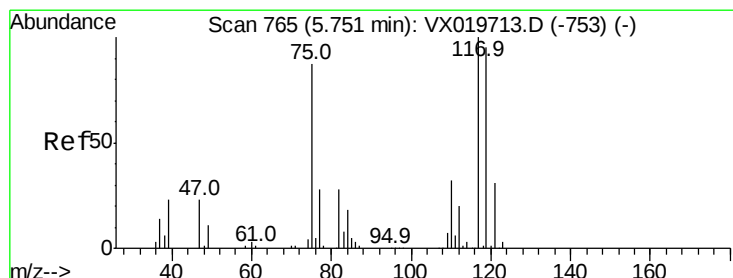
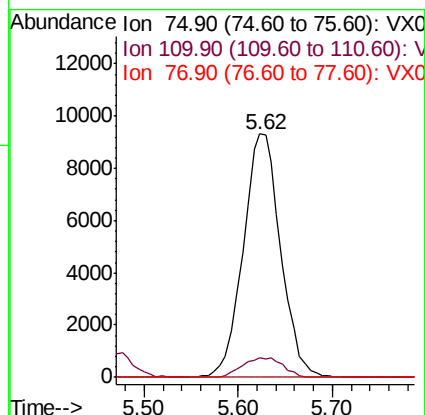
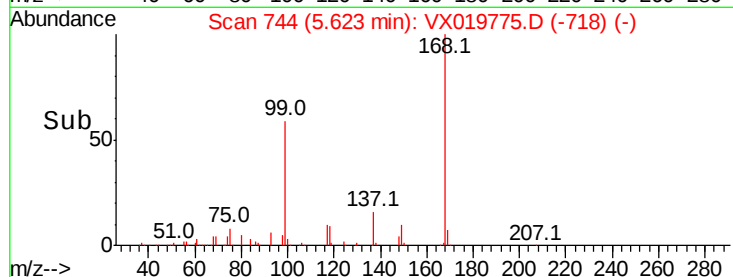
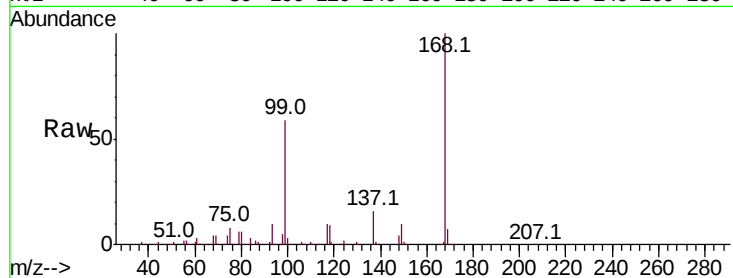
Tot Ion: 75 Resp: 25863

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.701 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019775.D

Acq: 09 Dec 2020 13:51

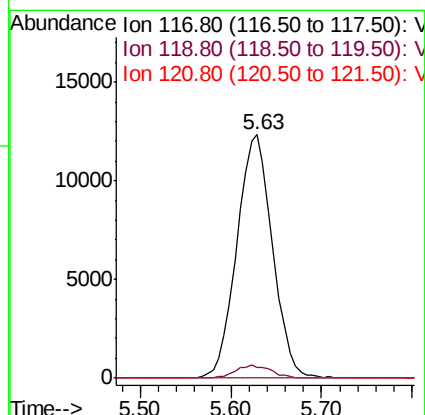
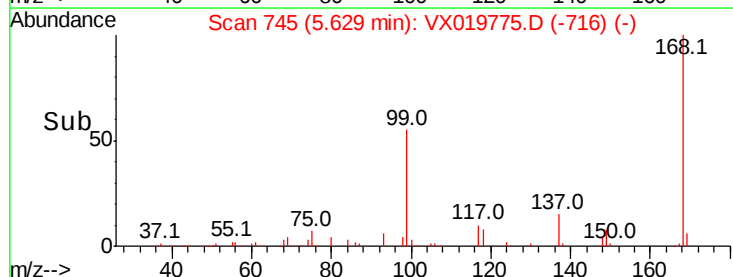
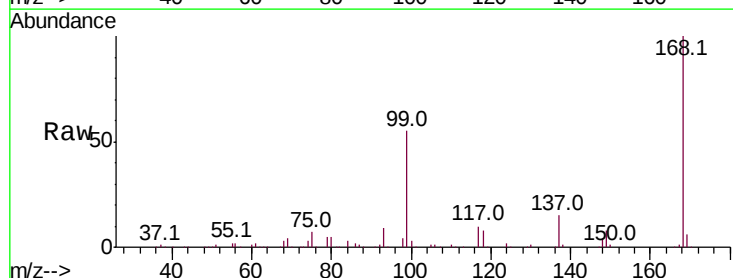
Tgt Ion: 117 Resp: 33529

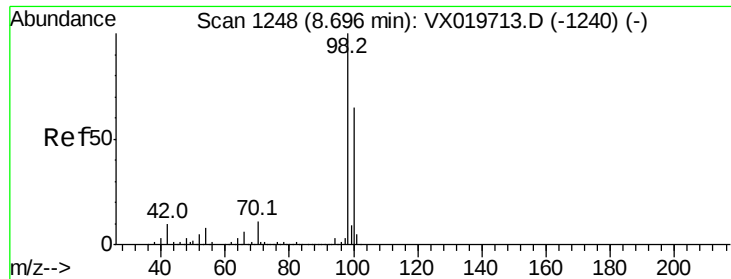
Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.2#

121 0.0 24.8 37.2#

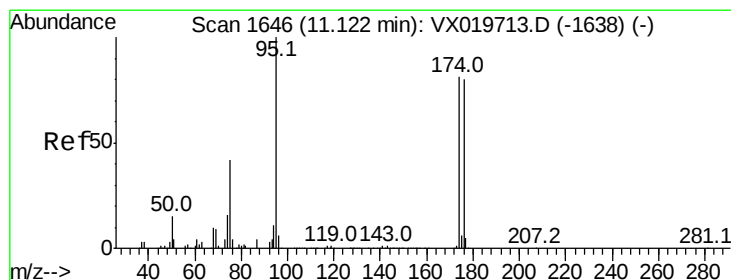
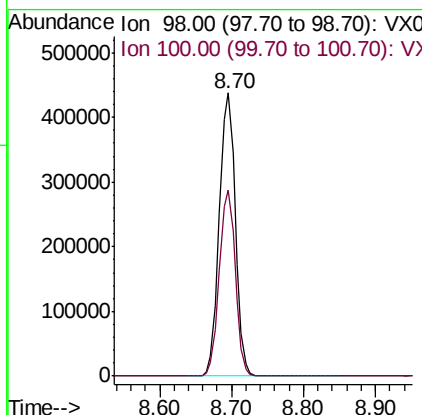
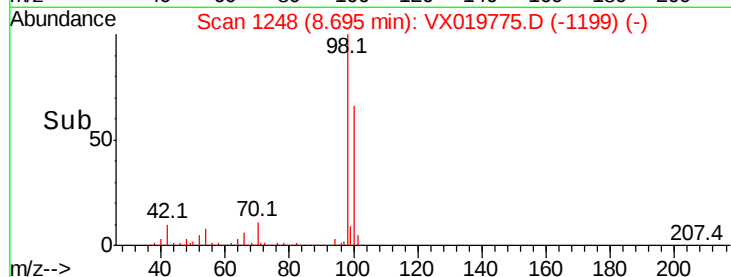
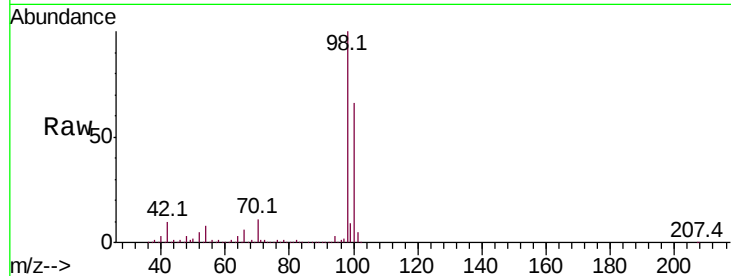




#50
Toluene-d8
Concen: 48.499 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

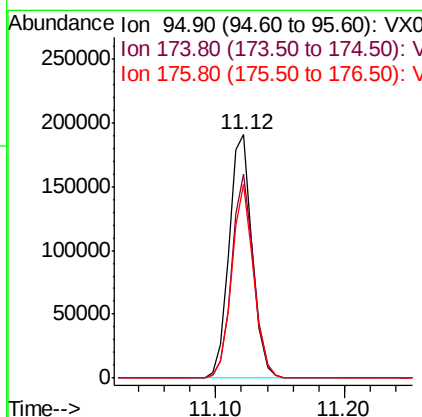
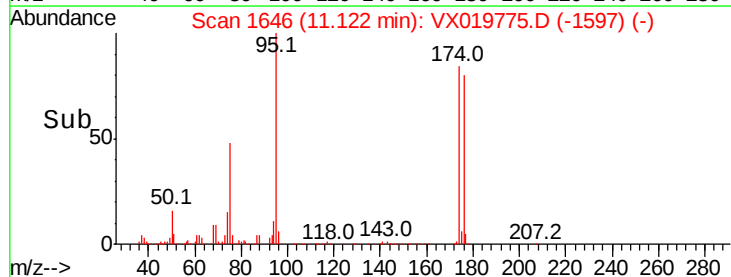
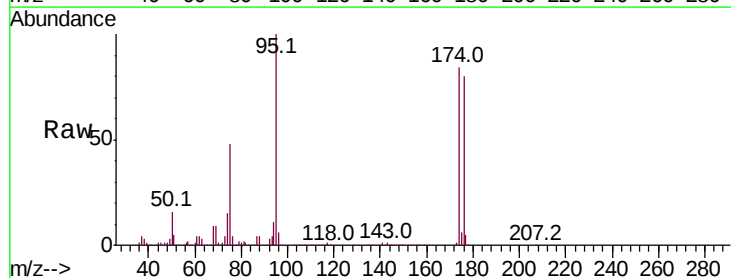
Instrument :
MSVOA_X
ClientSampleId :
CRT014-1-3

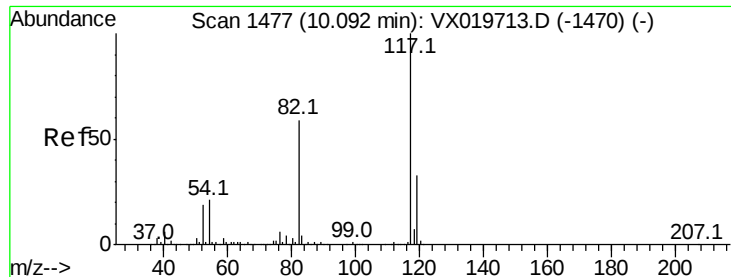
Tot Ion: 98 Resp: 676590
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.319 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

Tgt Ion: 95 Resp: 240635
Ion Ratio Lower Upper
95 100
174 79.6 0.0 154.6
176 75.2 0.0 155.8

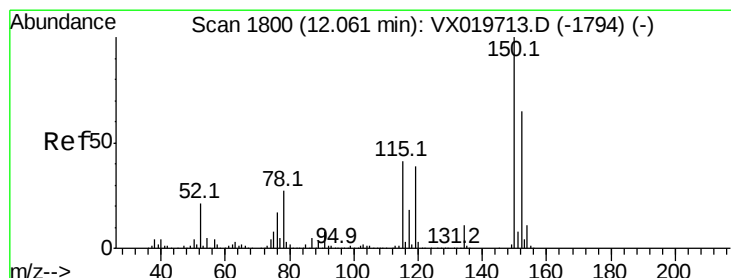
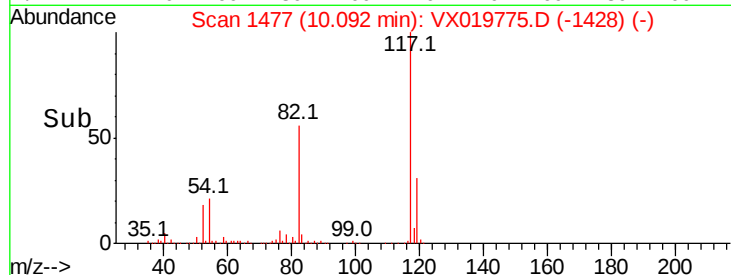
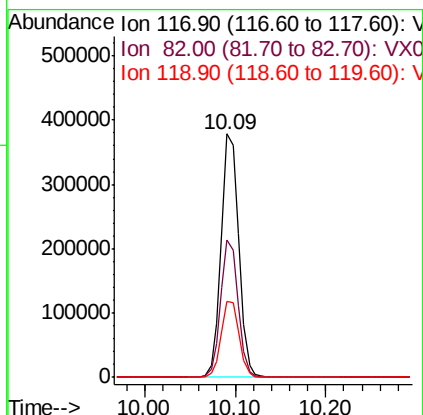
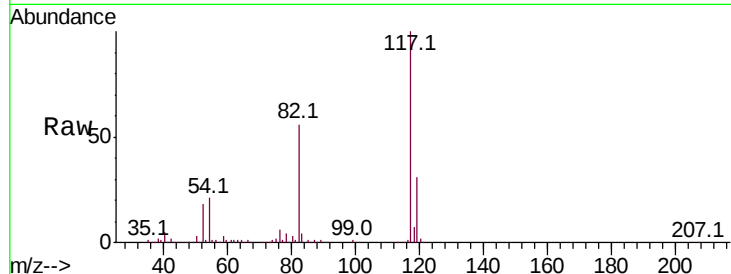




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

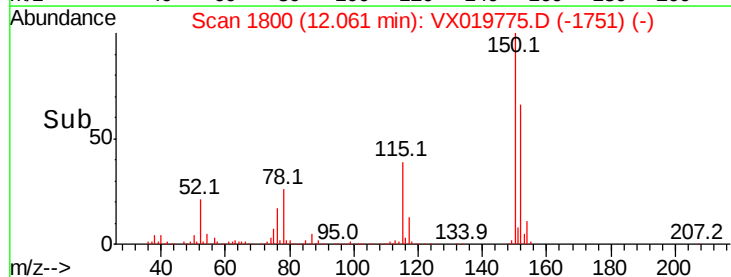
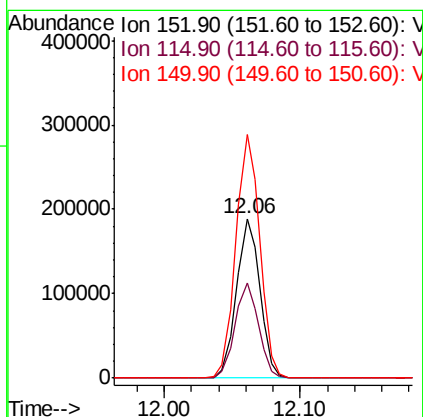
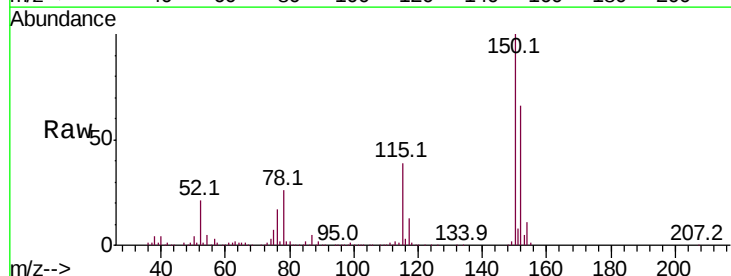
Instrument :
MSVOA_X
ClientSampleId :
CRT014-1-3

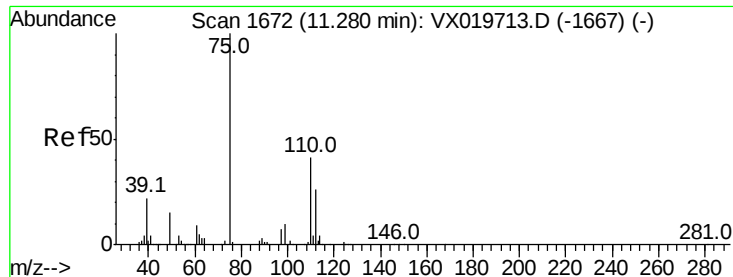
Tot Ion:117 Resp: 514833
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019775.D
Acq: 09 Dec 2020 13:51

Tgt Ion:152 Resp: 226864
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 155.7 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.033 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019775.D

Acq: 09 Dec 2020 13:51

Instrument :

MSVOA_X

ClientSampled :

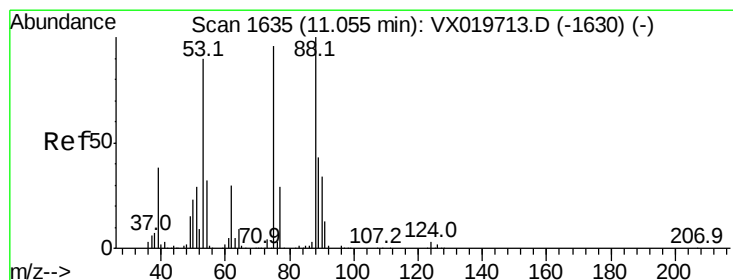
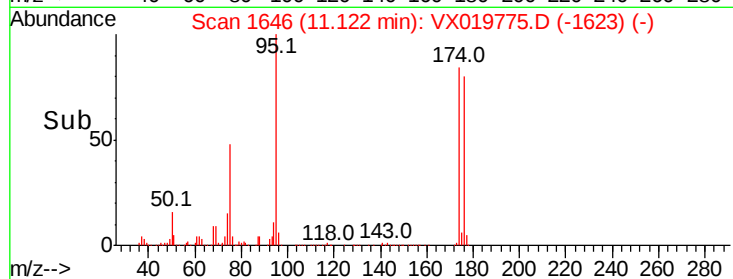
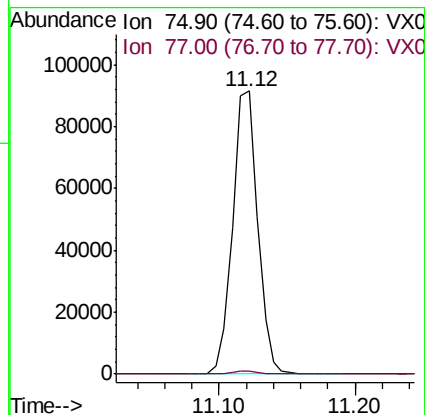
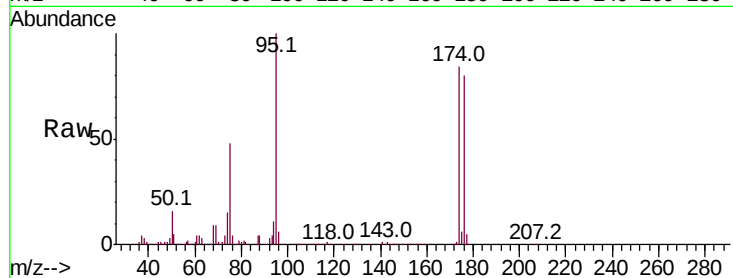
CRT014-1-3

Tot Ion: 75 Resp: 117195

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.584 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019775.D

Acq: 09 Dec 2020 13:51

Tgt Ion: 75 Resp: 117195

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

