

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120920\
 Data File : VX019774.D
 Acq On : 09 Dec 2020 13:28
 Operator : JC/MD
 Sample : L4965-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT002-1-3

Quant Time: Dec 10 05:39:33 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	5.62	168	328763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	542644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	496663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	202804	46.94	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.88%
35) Dibromofluoromethane	5.46	113	164863	47.01	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.02%
50) Toluene-d8	8.70	98	651149	48.63	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.26%
62) 4-Bromofluorobenzene	11.12	95	235498	46.21	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.42%

Target Compounds

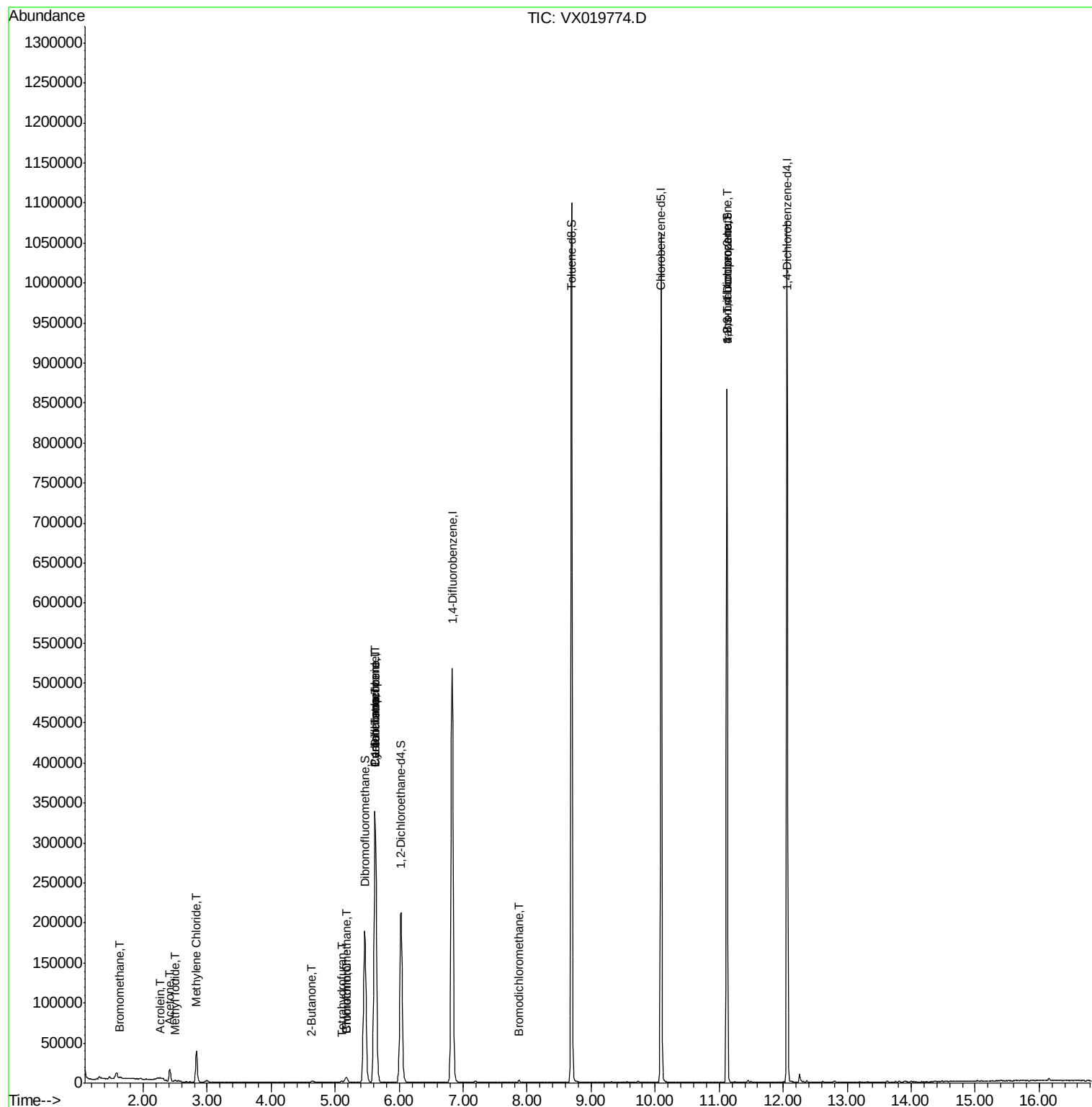
					Qvalue
5) Bromomethane	1.64	94	830	0.670 ug/l #	72
10) Methyl Iodide	2.50	142	2636	0.600 ug/l	97
11) Tert butyl alcohol	2.99	59	1557	Below Cal #	73
13) Acrolein	2.28	56	139	0.291 ug/l #	1
16) Acetone	2.42	43	15271	9.403 ug/l	98
20) Methylene Chloride	2.84	84	19385	3.917 ug/l	97
25) 2-Butanone	4.64	43	1482	0.594 ug/l	90
28) Bromochloromethane	5.18	49	700	0.237 ug/l #	9
29) Tetrahydrofuran	5.10	42	1079	0.671 ug/l #	64
30) Chloroform	5.18	83	7633	1.197 ug/l	99
31) Cyclohexane	5.62	56	6334	1.178 ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24838	5.065 ug/l #	48
38) Carbon Tetrachloride	5.62	117	31862	6.635 ug/l #	17
47) Bromodichloromethane	7.87	83	1763	0.351 ug/l #	98
76) 1,2,3-Trichloropropane	11.12	75	113032	22.357 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	113032	64.629 ug/l #	12

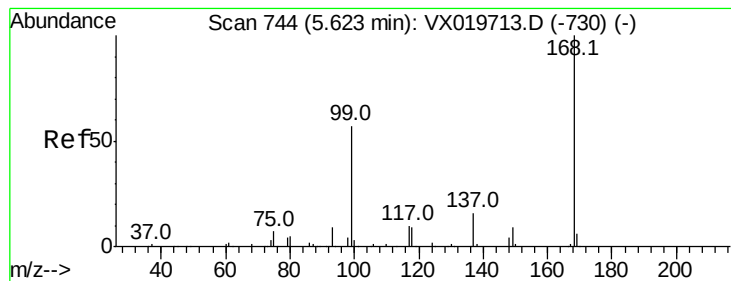
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120920\
Data File : VX019774.D
Acq On : 09 Dec 2020 13:28
Operator : JC/MD
Sample : L4965-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CRT002-1-3

Quant Time: Dec 10 05:39:33 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: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019774.D

Acq: 09 Dec 2020 13:28

Instrument :

MSVOA_X

ClientSampled :

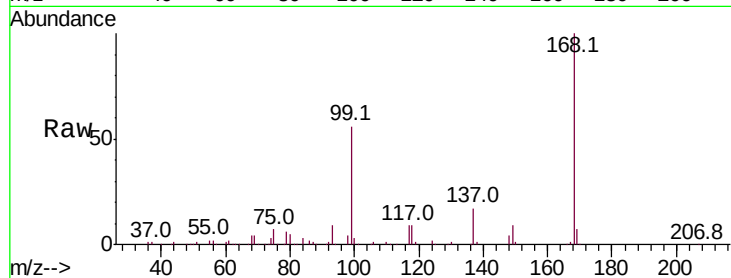
CRT002-1-3

Tot Ion:168 Resp: 328763

Ion Ratio Lower Upper

168 100

99 56.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

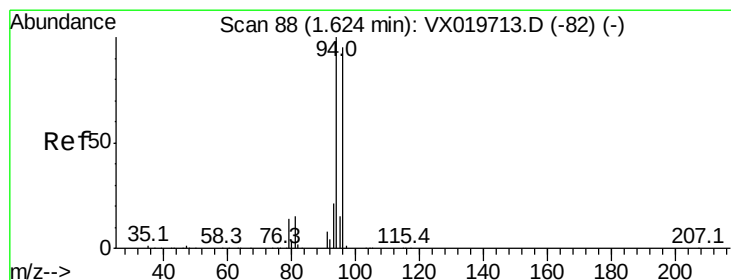
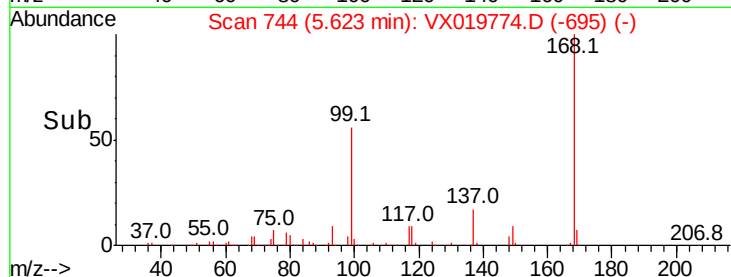
5.62

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.670 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019774.D

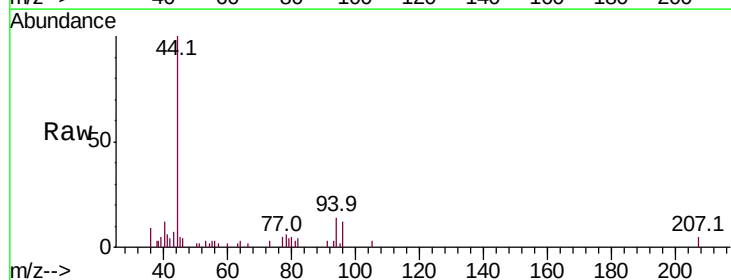
Acq: 09 Dec 2020 13:28

Tgt Ion: 94 Resp: 830

Ion Ratio Lower Upper

94 100

96 67.9 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

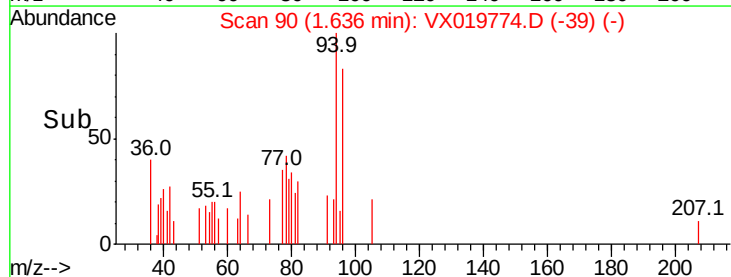
300

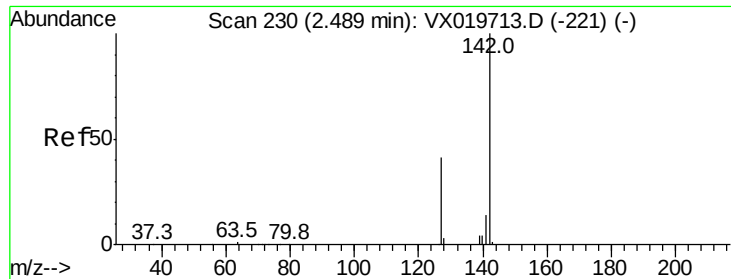
200

100

0

Time-->

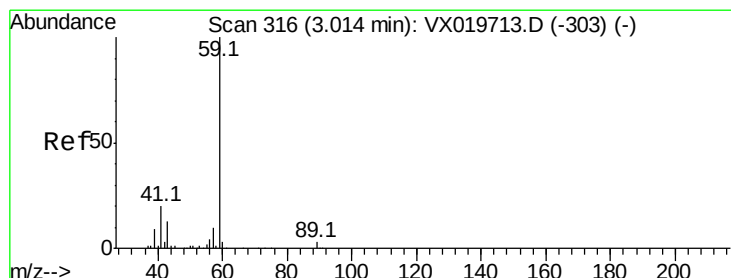
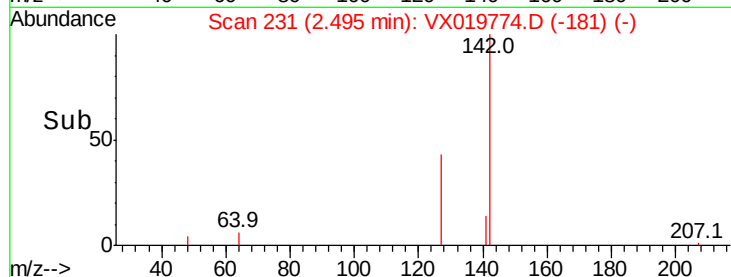
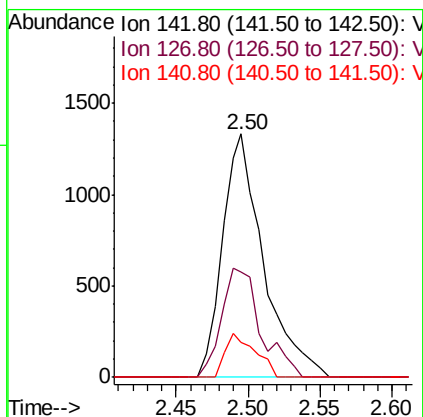
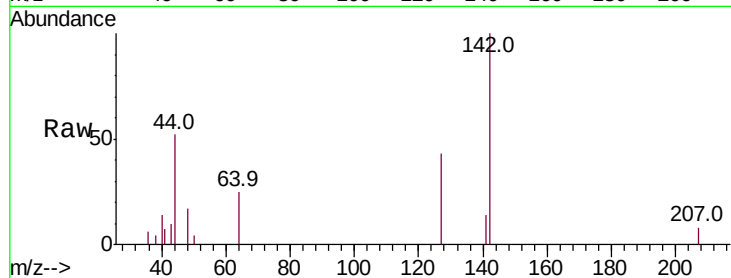




#10
Methyl Iodide
Concen: 0.600 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019774.D
Acq: 09 Dec 2020 13:28

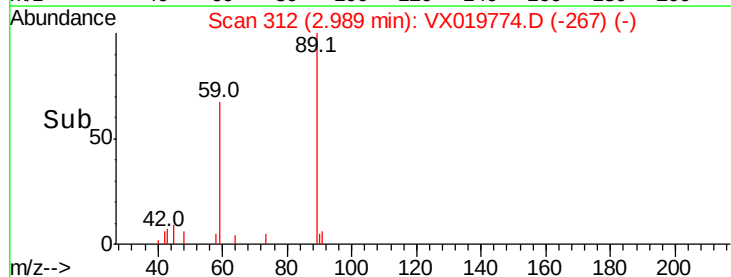
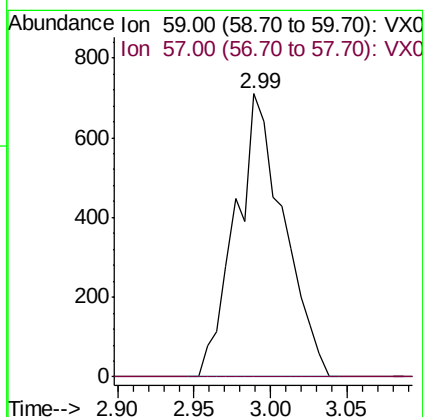
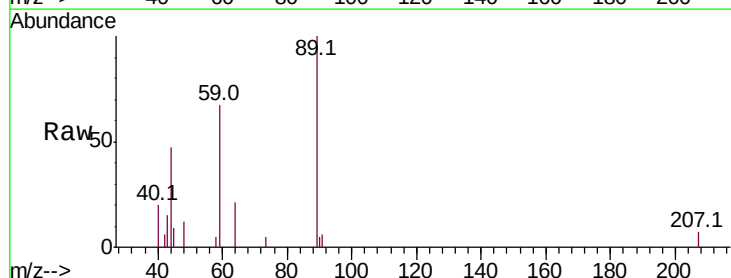
Instrument :
MSVOA_X
ClientSampleId :
CRT002-1-3

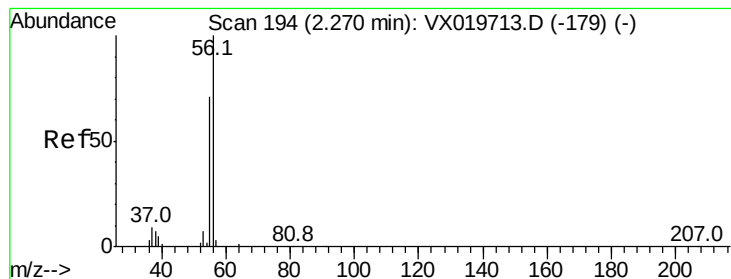
Tot Ion:142 Resp: 2636
Ion Ratio Lower Upper
142 100
127 43.3 33.3 49.9
141 13.3 11.4 17.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019774.D
Acq: 09 Dec 2020 13:28

Tgt Ion: 59 Resp: 1557
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.291 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019774.D

Acq: 09 Dec 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

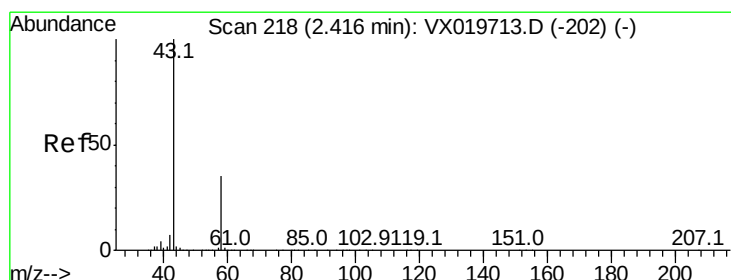
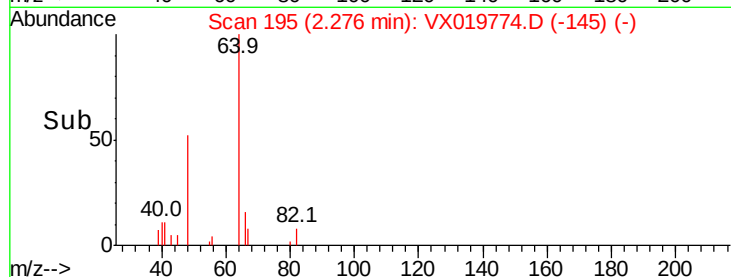
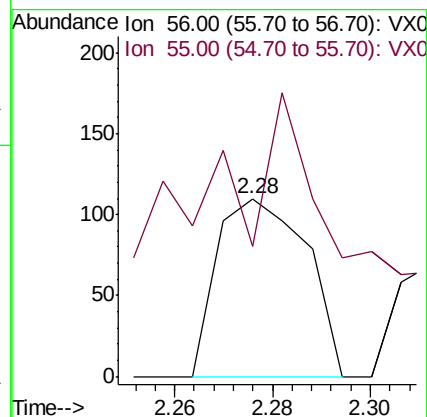
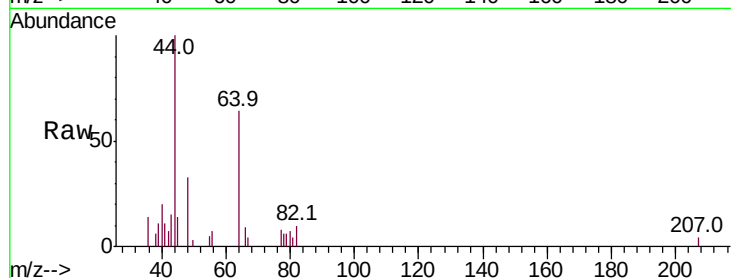
CRT002-1-3

Tot Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

55 277.7 56.4 84.6#



#16

Acetone

Concen: 9.403 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019774.D

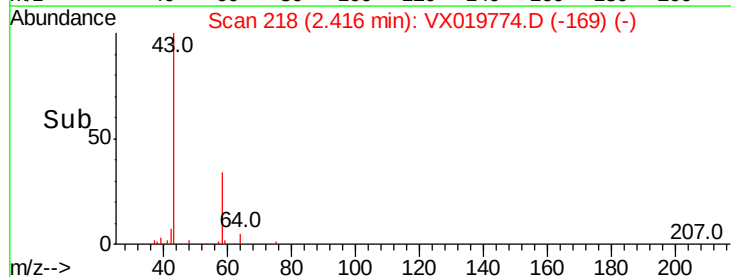
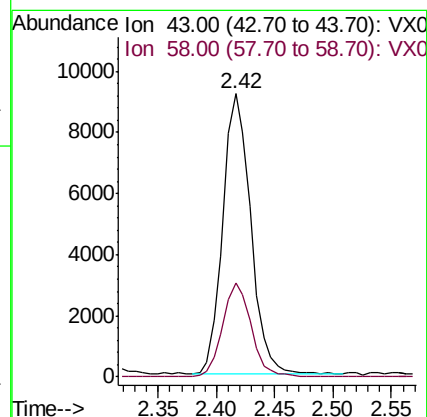
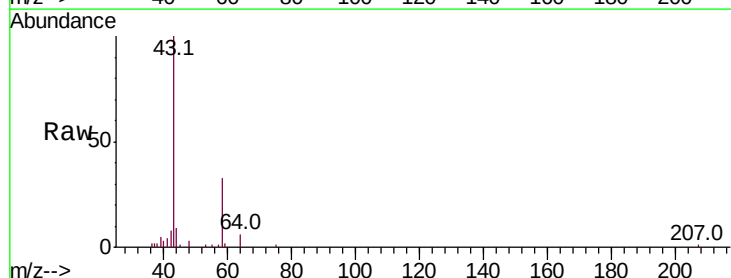
Acq: 09 Dec 2020 13:28

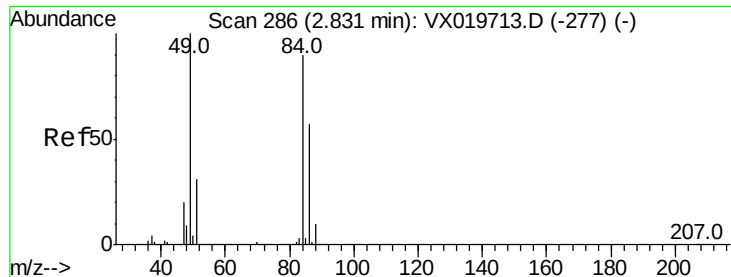
Tgt Ion: 43 Resp: 15271

Ion Ratio Lower Upper

43 100

58 33.5 27.8 41.8

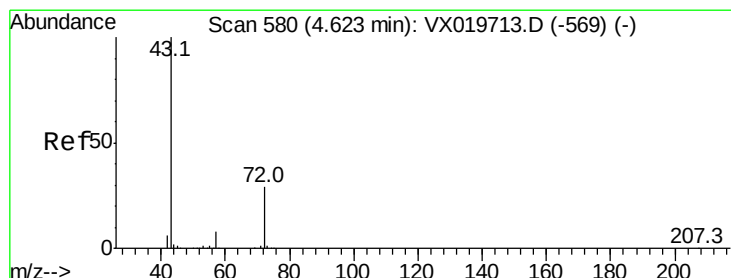
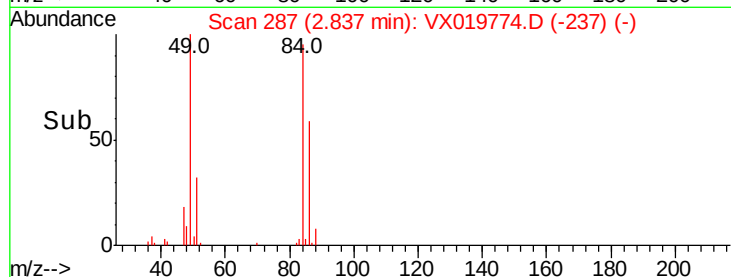
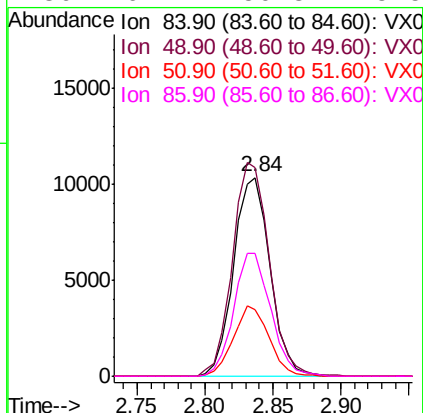
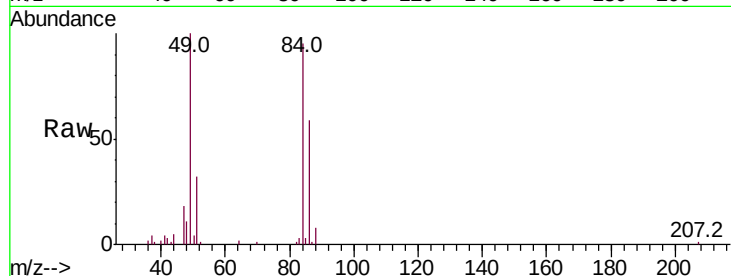




#20
Methvlene Chloride
Concen: 3.917 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019774.D
Acq: 09 Dec 2020 13:28

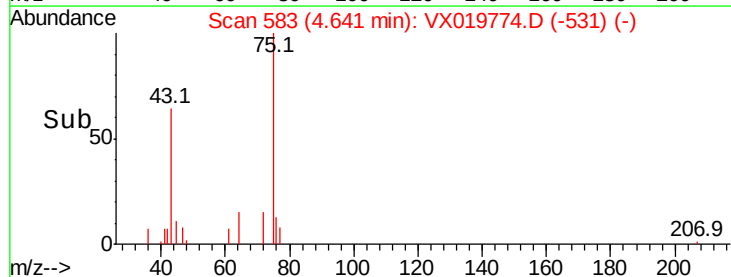
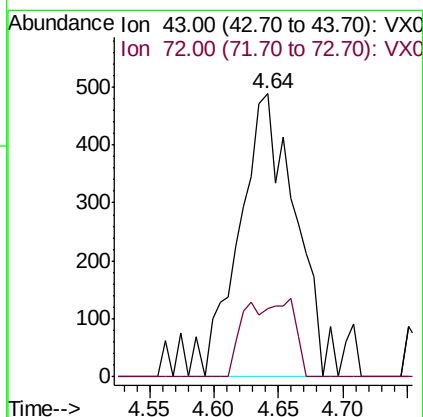
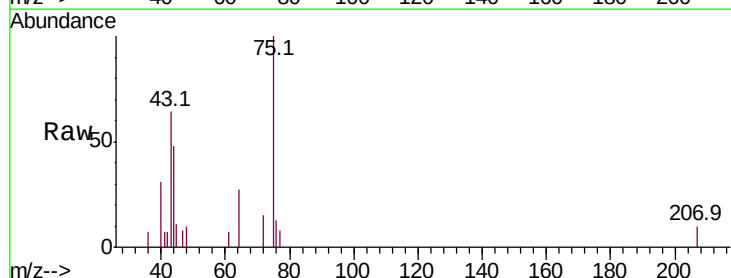
Instrument :
MSVOA_X
ClientSampled :
CRT002-1-3

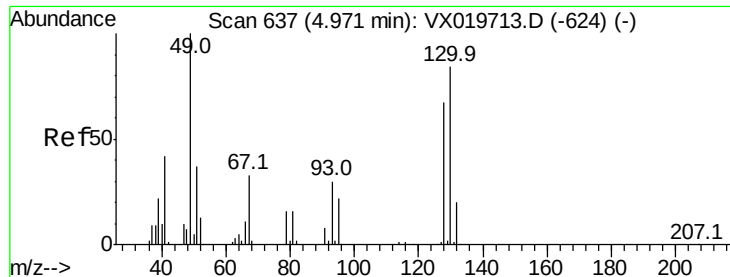
Tot Ion:	84	Resp:	19385
Ion	Ratio	Lower	Upper
84	100		
49	105.1	88.6	132.8
51	33.6	27.0	40.6
86	61.7	50.3	75.5



#25
2-Butanone
Concen: 0.594 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019774.D
Acq: 09 Dec 2020 13:28

Tgt Ion:	43	Resp:	1482
Ion	Ratio	Lower	Upper
43	100		
72	24.2	23.7	35.5





#28

Bromochloromethane

Concen: 0.237 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.21 min

Lab File: VX019774.D

Acq: 09 Dec 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

CRT002-1-3

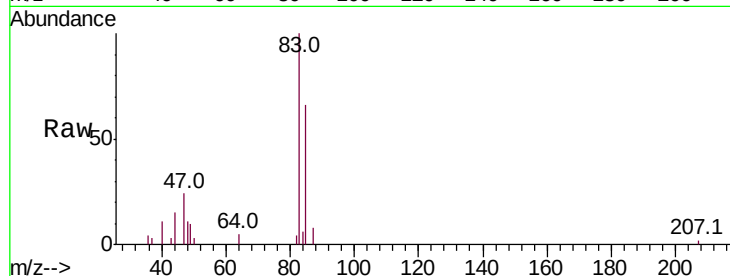
Tot Ion: 49 Resp: 700

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

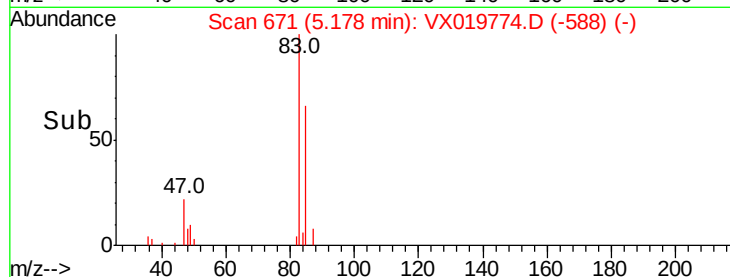
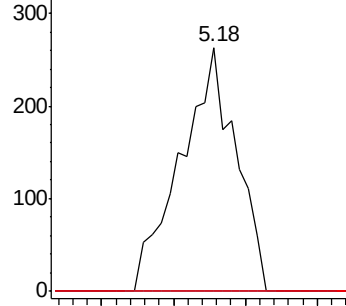
130 0.0 68.2 102.2#



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: 0.671 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.02 min

Lab File: VX019774.D

Acq: 09 Dec 2020 13:28

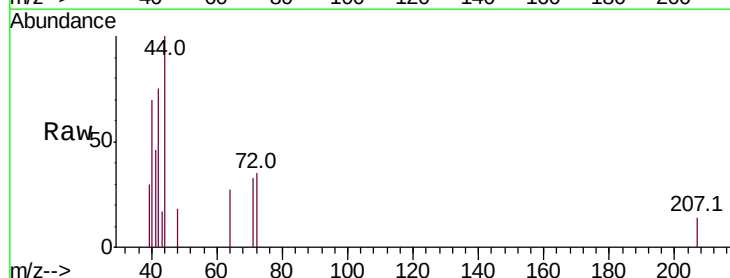
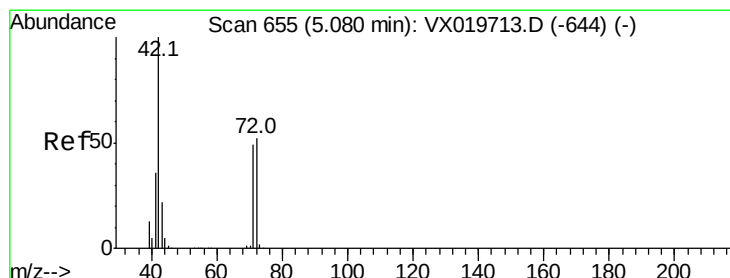
Tgt Ion: 42 Resp: 1079

Ion Ratio Lower Upper

42 100

72 54.4 41.7 62.5

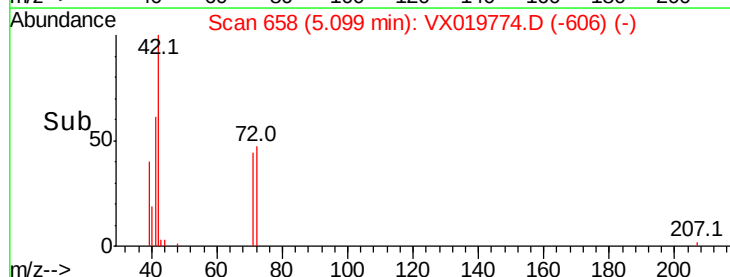
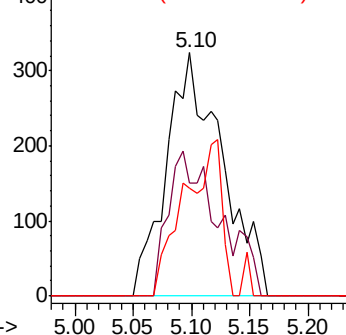
71 0.0 38.4 57.6#

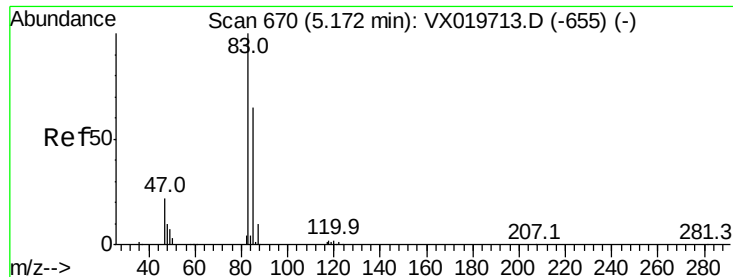


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

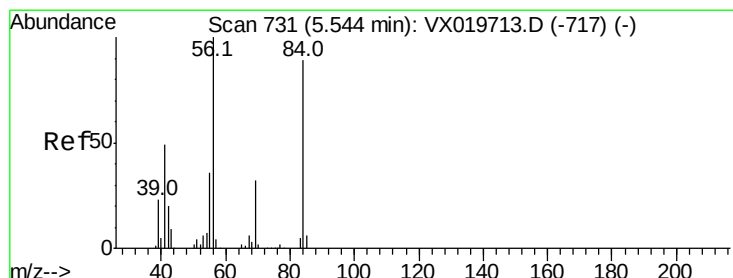
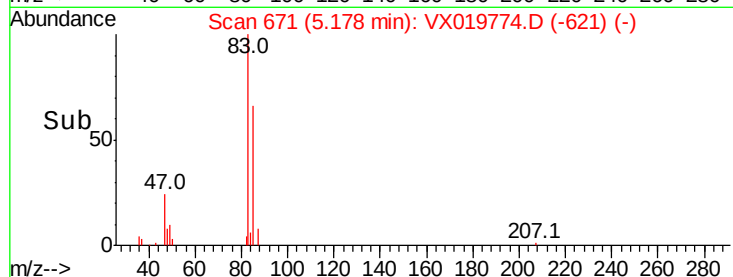
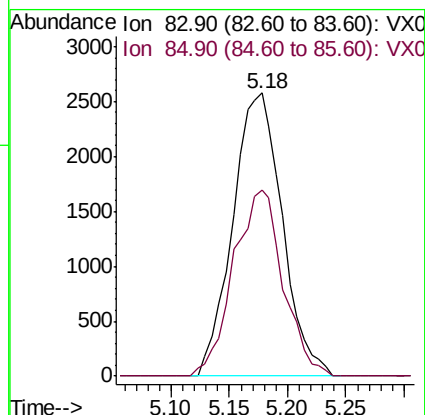
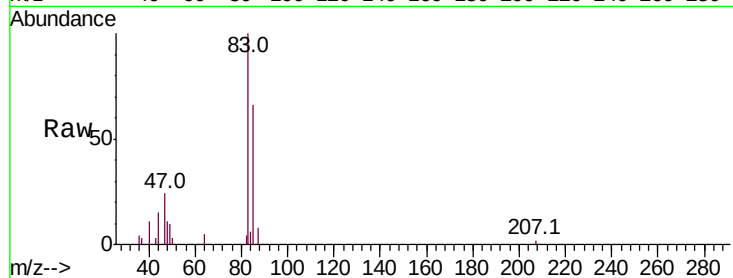




#30
Chloroform
Concen: 1.197 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX019774.D
Acq: 09 Dec 2020 13:28

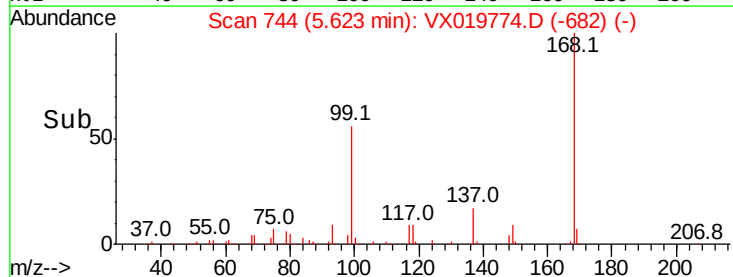
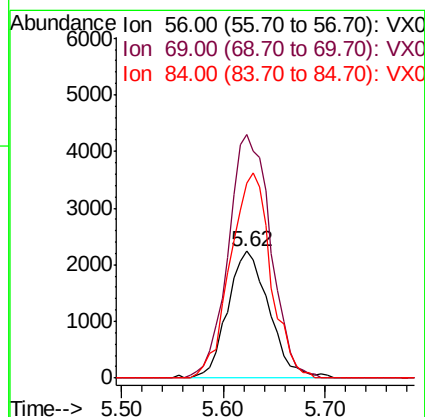
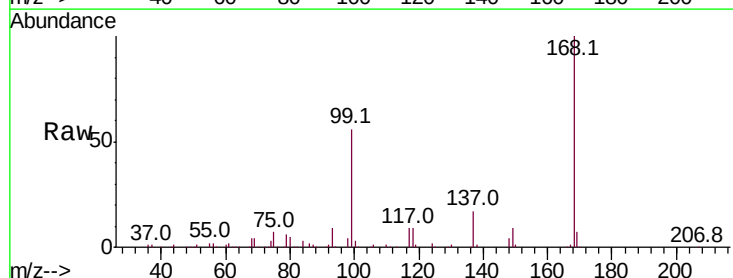
Instrument :
MSVOA_X
ClientSampleId :
CRT002-1-3

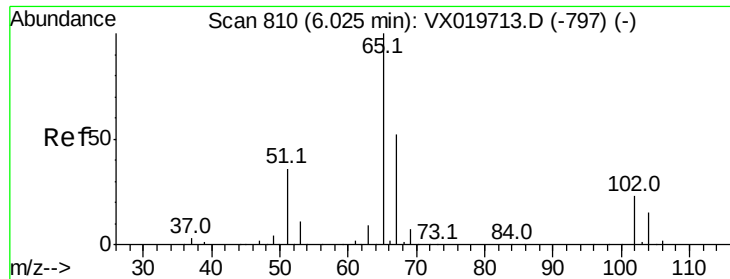
Tot Ion: 83 Resp: 7633
Ion Ratio Lower Upper
83 100
85 65.9 52.0 78.0



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019774.D
Acq: 09 Dec 2020 13:28

Tgt Ion: 56 Resp: 6334
Ion Ratio Lower Upper
56 100
69 191.8 25.3 37.9#
84 153.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 46.935 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019774.D

Acq: 09 Dec 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

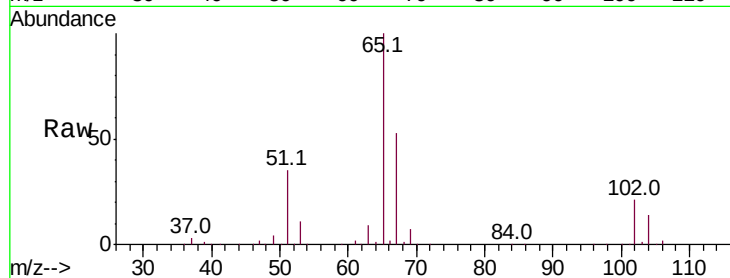
CRT002-1-3

Tot Ion: 65 Resp: 202804

Ion Ratio Lower Upper

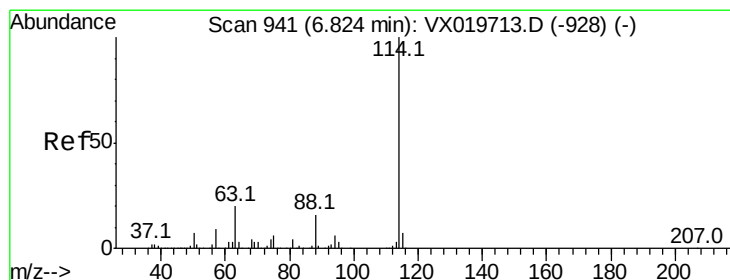
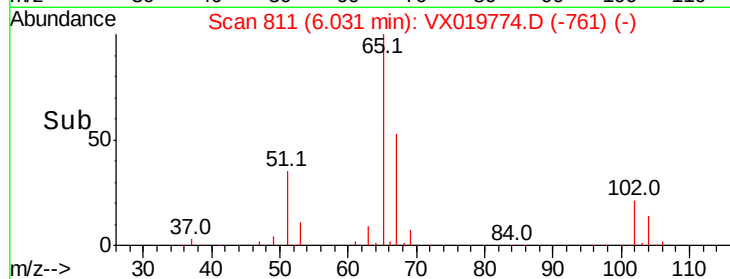
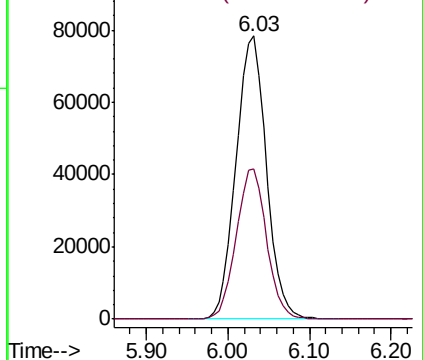
65 100

67 53.0 0.0 105.4



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: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019774.D

Acq: 09 Dec 2020 13:28

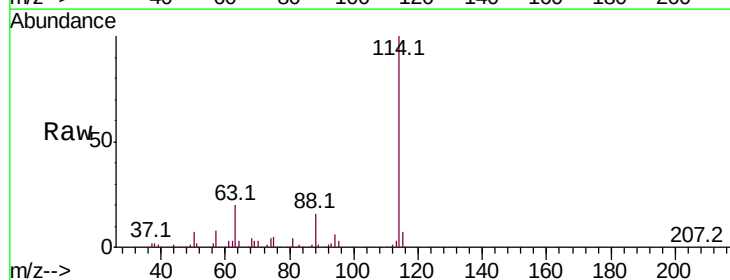
Tgt Ion: 114 Resp: 542644

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

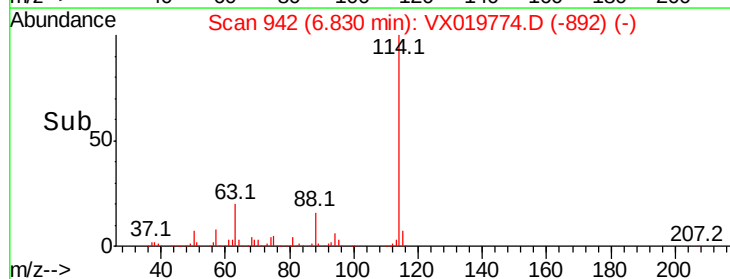
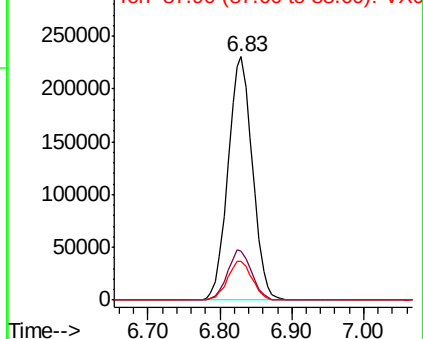
88 16.0 0.0 32.8

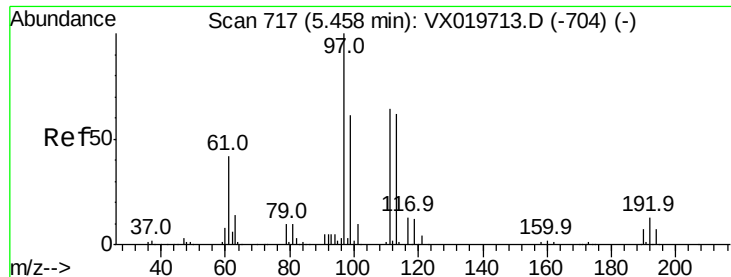


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

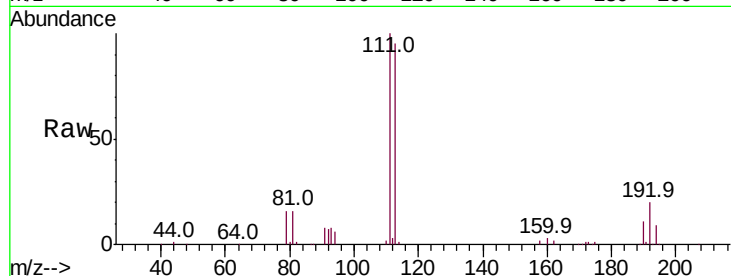




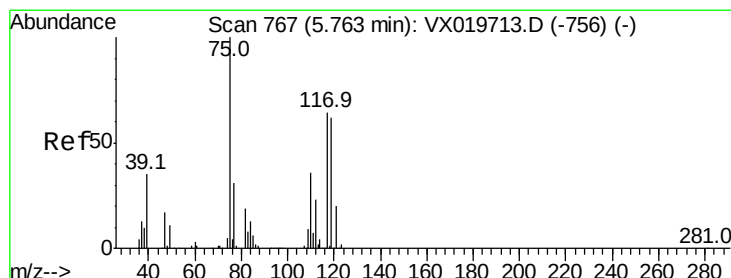
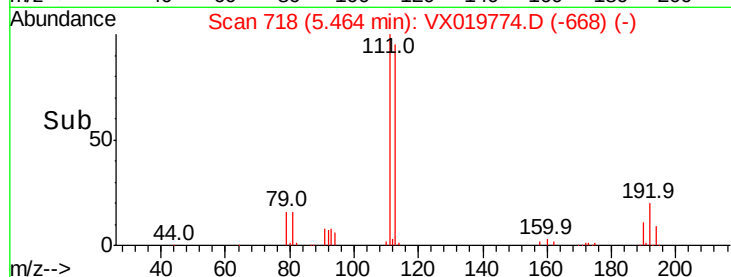
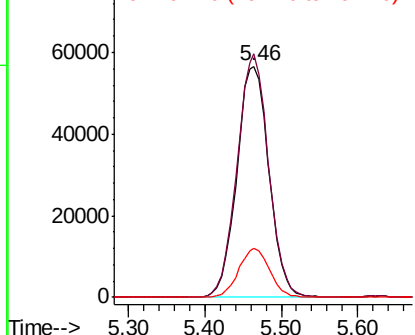
#35
 Dibromofluoromethane
 Concen: 47.009 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019774.D
 Acq: 09 Dec 2020 13:28

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT002-1-3

Tot Ion:113 Resp: 164863
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.9 122.9
 192 20.6 16.7 25.1

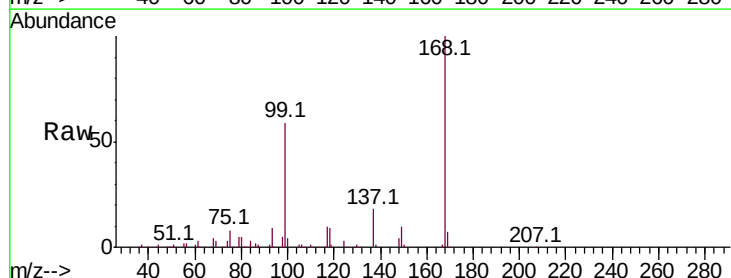


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

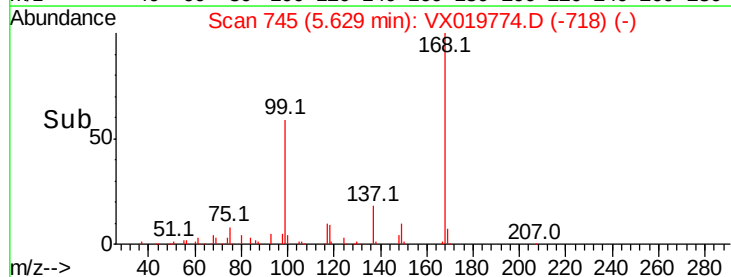
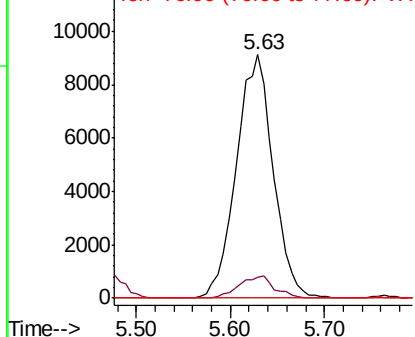


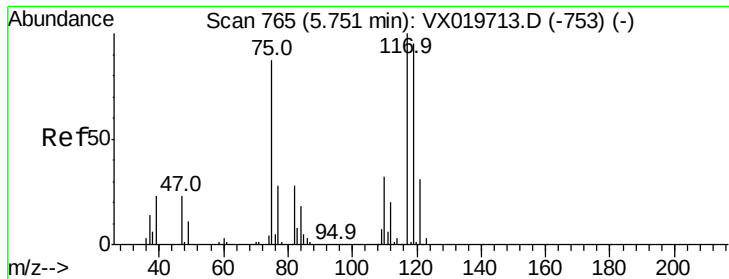
#36
 1,1-Dichloropropene
 Concen: 5.065 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019774.D
 Acq: 09 Dec 2020 13:28

Tgt Ion: 75 Resp: 24838
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.4#
 77 0.0 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.635 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019774.D

Acq: 09 Dec 2020 13:28

Instrument :

MSVOA_X

ClientSampled :

CRT002-1-3

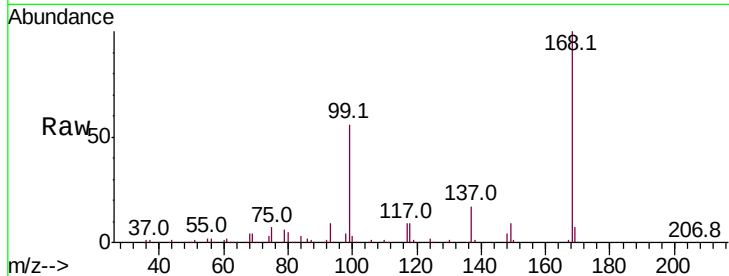
Tot Ion:117 Resp: 31862

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

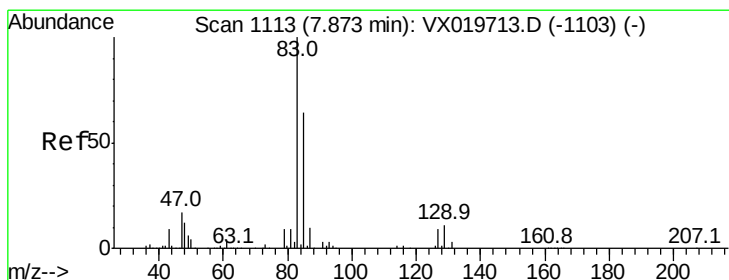
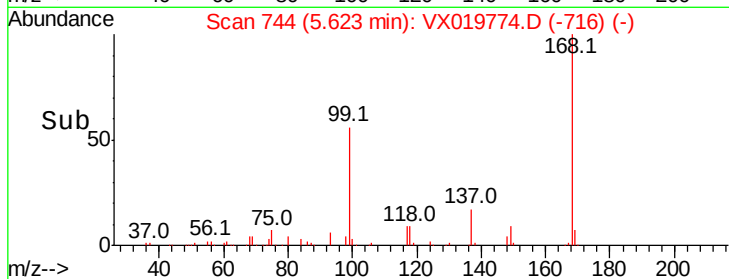
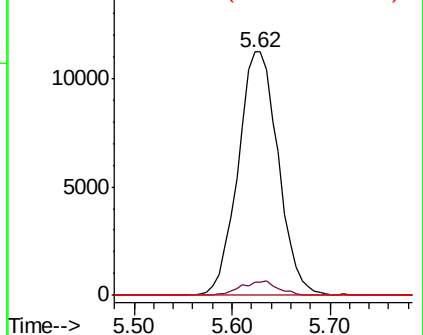
121 0.0 24.8 37.2#



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



#47

Bromodichloromethane

Concen: 0.351 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019774.D

Acq: 09 Dec 2020 13:28

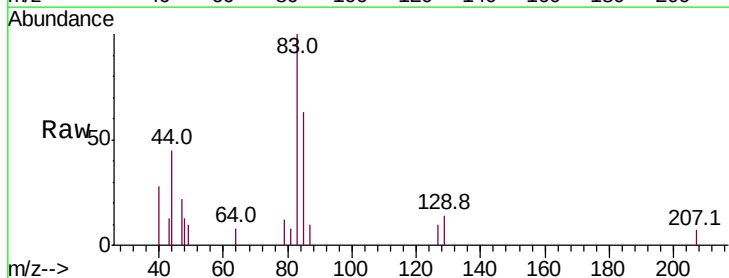
Tgt Ion: 83 Resp: 1763

Ion Ratio Lower Upper

83 100

85 63.3 51.4 77.0

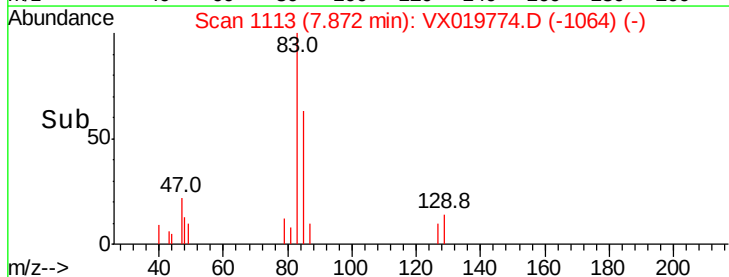
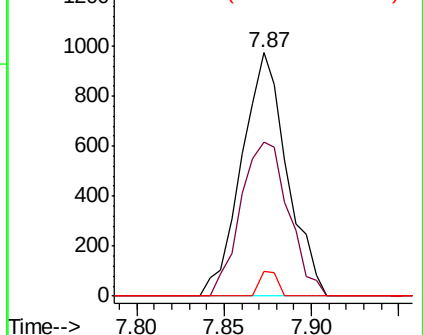
127 10.4 6.8 10.2#

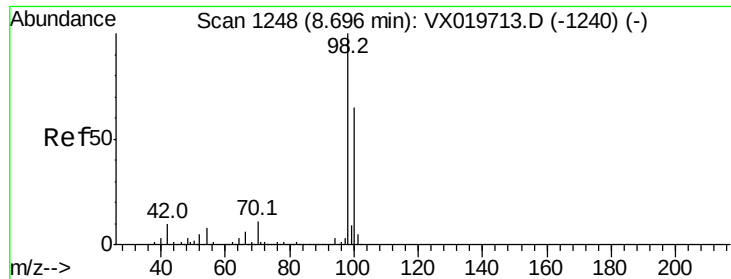


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

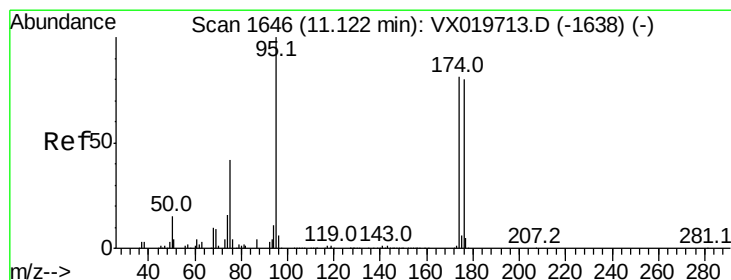
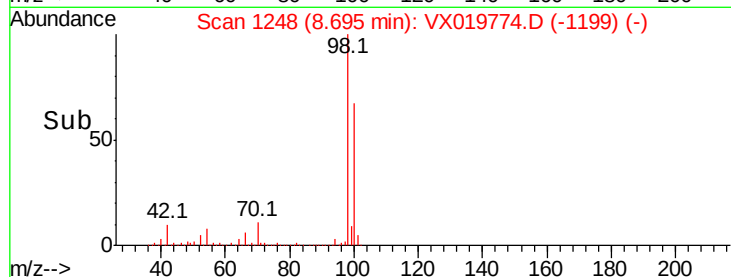
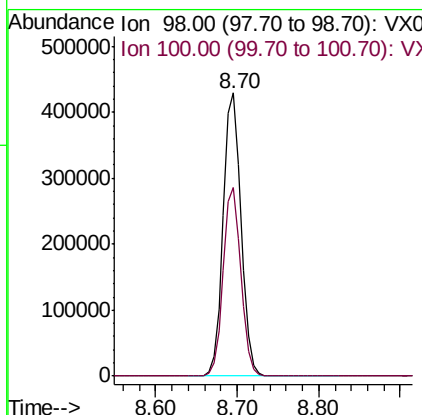
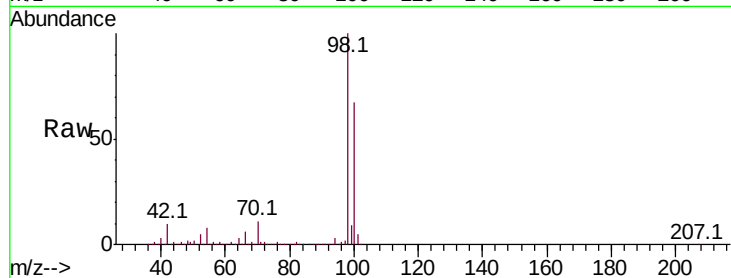




#50
Toluene-d8
Concen: 48.633 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019774.D
Acq: 09 Dec 2020 13:28

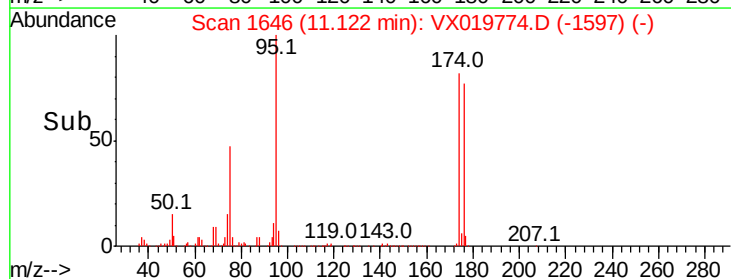
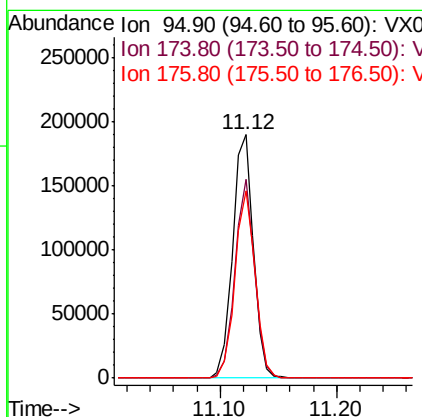
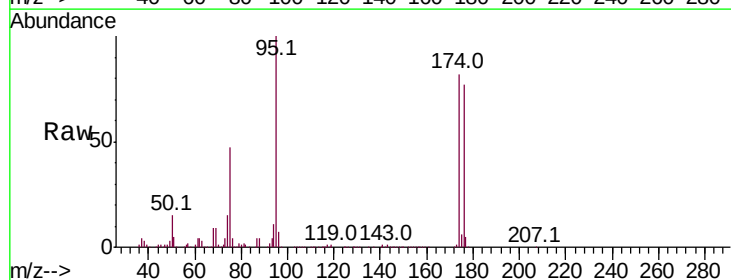
Instrument :
MSVOA_X
ClientSampleId :
CRT002-1-3

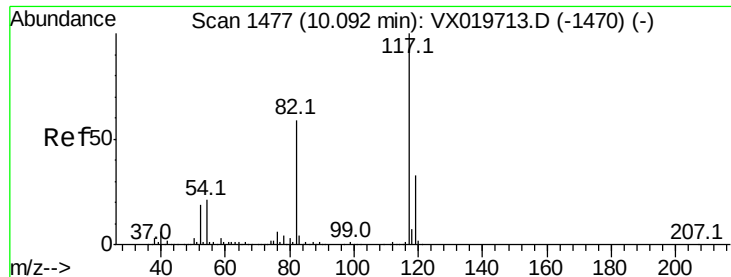
Tot Ion: 98 Resp: 651149
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 46.212 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019774.D
Acq: 09 Dec 2020 13:28

Tgt Ion: 95 Resp: 235498
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.6
176 75.2 0.0 155.8

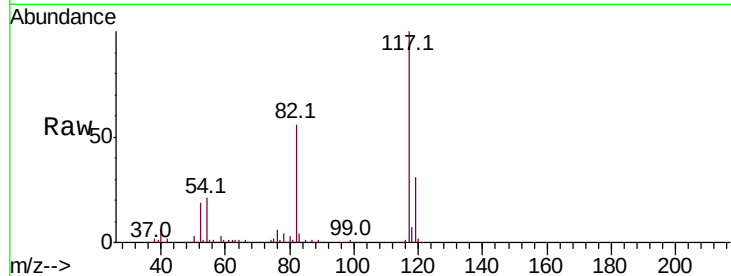




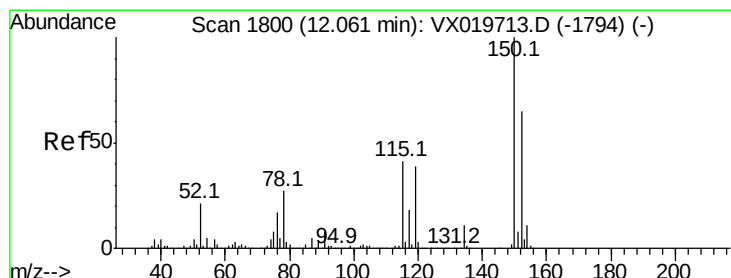
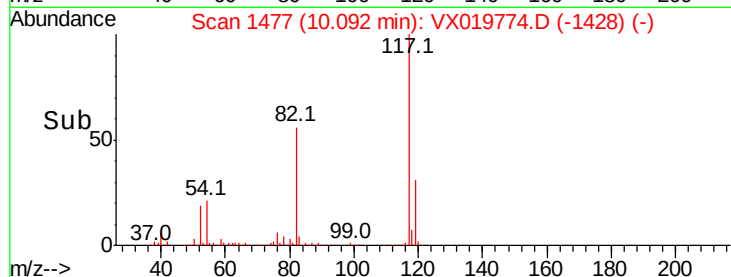
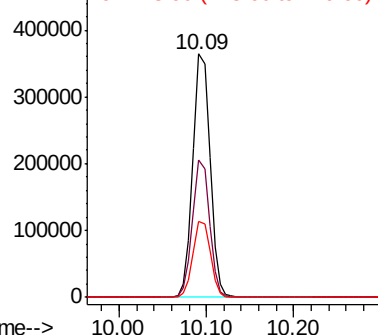
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019774.D
Acq: 09 Dec 2020 13:28

Instrument :
MSVOA_X
ClientSampleId :
CRT002-1-3

Tot Ion:117 Resp: 496663
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.1 26.6 39.8

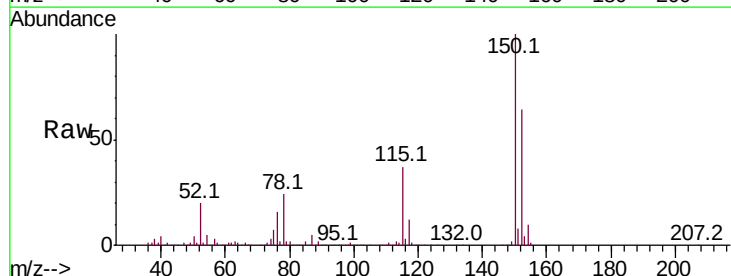


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

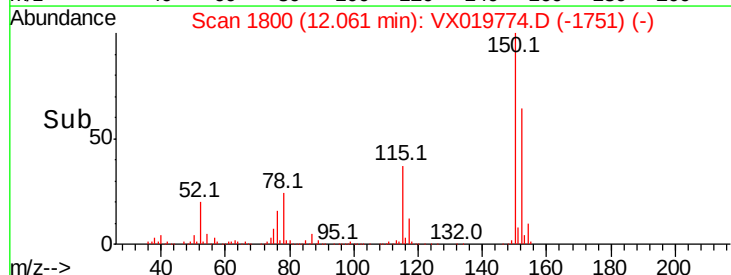
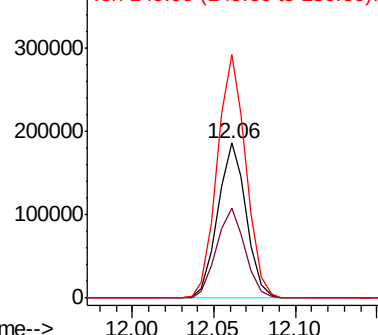


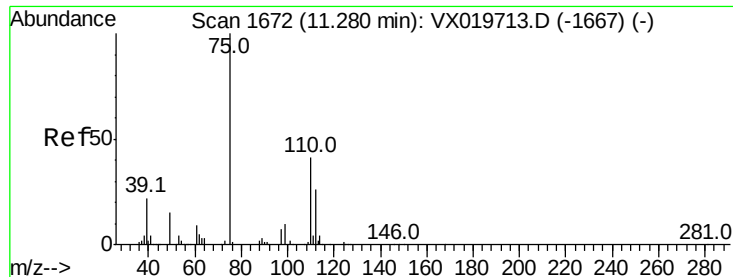
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019774.D
Acq: 09 Dec 2020 13:28

Tgt Ion:152 Resp: 225423
Ion Ratio Lower Upper
152 100
115 58.2 41.1 123.3
150 159.1 0.0 349.0



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





#76

1,2,3-Trichloropropane

Concen: 22.357 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019774.D

Acq: 09 Dec 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

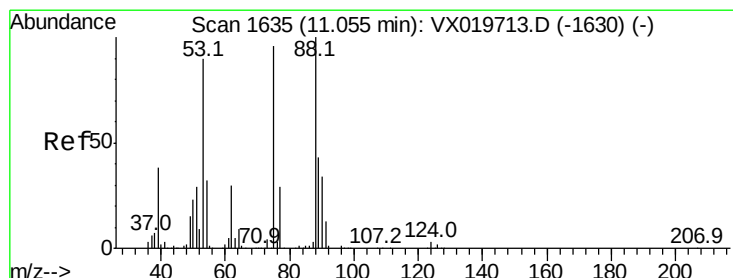
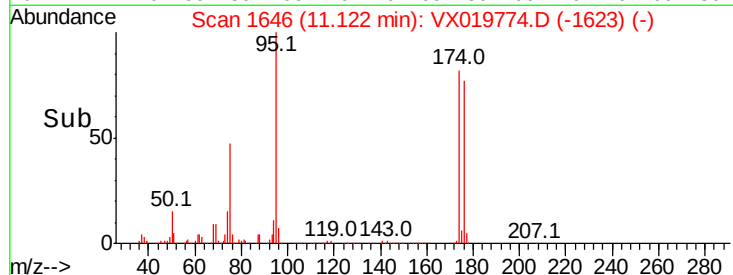
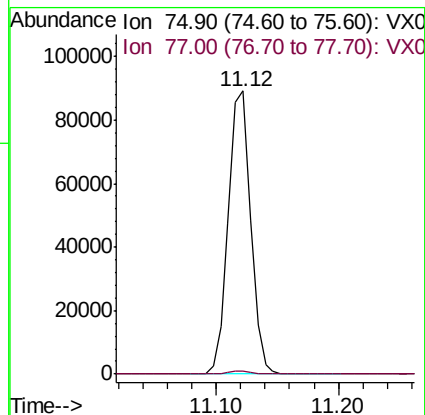
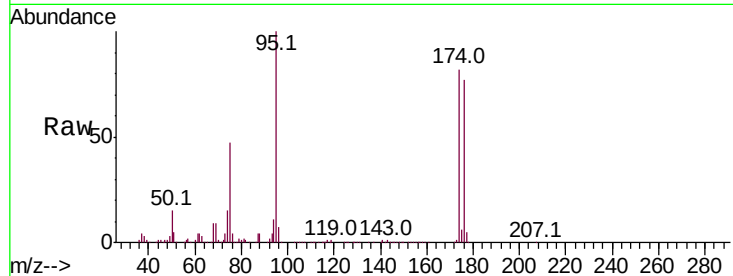
CRT002-1-3

Tot Ion: 75 Resp: 113032

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.629 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019774.D

Acq: 09 Dec 2020 13:28

Tgt Ion: 75 Resp: 113032

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

