

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019248.D
 Acq On : 03 Nov 2020 21:09
 Operator : JC/MD
 Sample : L4600-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-6

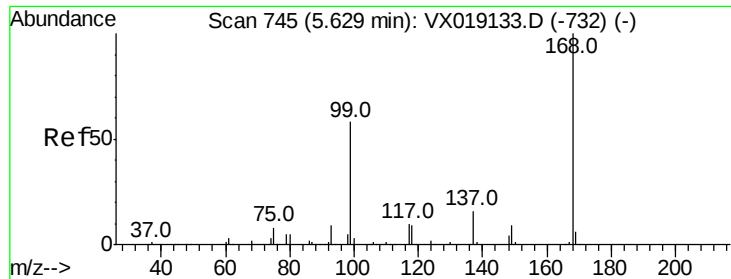
Quant Time: Nov 04 02:25:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	334254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	588130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	578268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	299103	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	223578	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
35) Dibromofluoromethane	5.46	113	181275	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	8.70	98	744447	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	11.12	95	290407	55.07	ug/l	0.00
Spiked Amount			Recovery	=	110.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	22	6.384	ug/l #	39
11) Tert butyl alcohol	3.00	59	1089	1.279	ug/l #	79
13) Acrolein	2.29	56	31	5.727	ug/l #	1
16) Acetone	2.42	43	2464	1.657	ug/l	90
17) Carbon Disulfide	2.56	76	391	0.802	ug/l #	75
20) Methylene Chloride	2.84	84	12811	3.431	ug/l	94
25) 2-Butanone	4.64	43	618	0.264	ug/l #	44
29) Tetrahydrofuran	5.10	42	1303	0.882	ug/l #	84
31) Cyclohexane	5.63	56	7479	1.373	ug/l #	12
36) 1,1-Dichloropropene	5.63	75	27362	5.038	ug/l #	49
38) Carbon Tetrachloride	5.63	117	35044	6.330	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	149169	24.154	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	149169	63.596	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019248.D

Acq: 03 Nov 2020 21:09

Instrument :

MSVOA_X

ClientSampled :

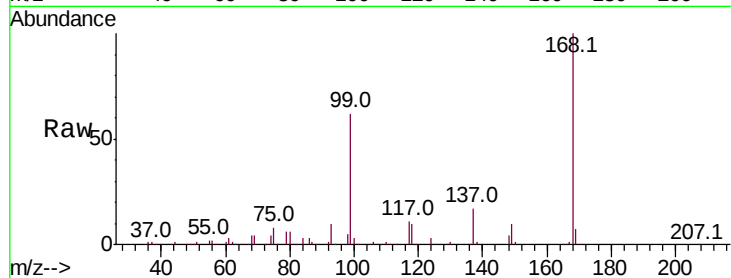
CRT-6

Tot Ion:168 Resp: 334254

Ion Ratio Lower Upper

168 100

99 62.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

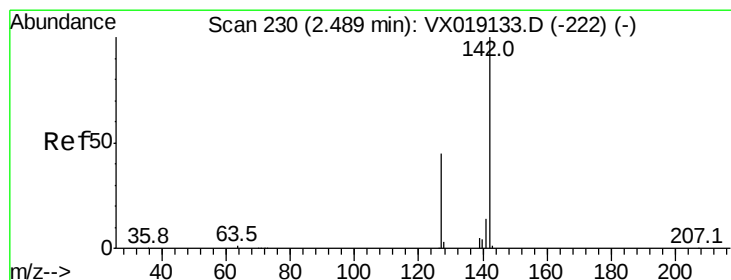
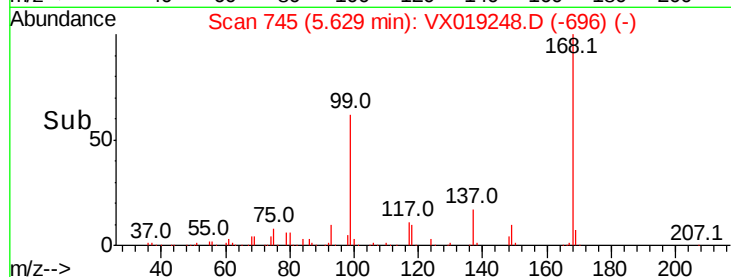
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 6.384 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019248.D

Acq: 03 Nov 2020 21:09

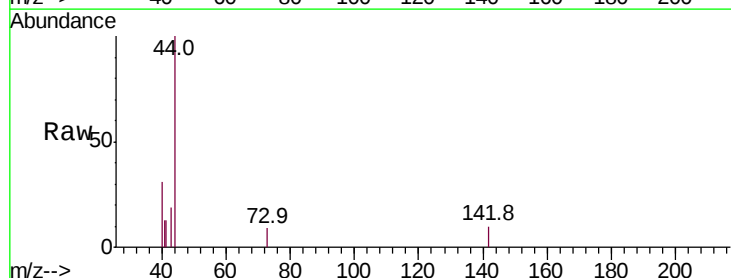
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 36.1 54.1#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50

80

60

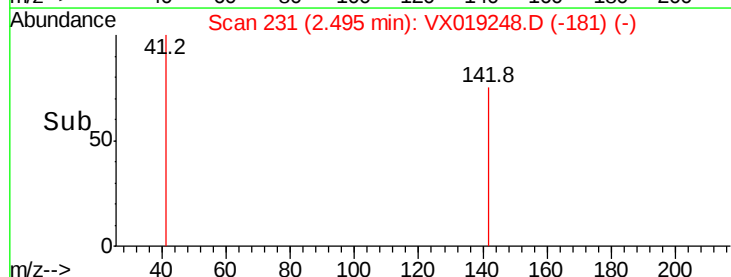
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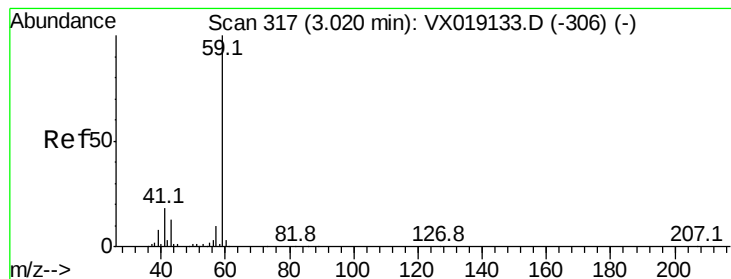
20

0

2.48 2.49 2.50 2.51

Time-->





#11

Tert butyl alcohol

Concen: 1.279 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX019248.D

Acq: 03 Nov 2020 21:09

Instrument :

MSVOA_X

ClientSampleId :

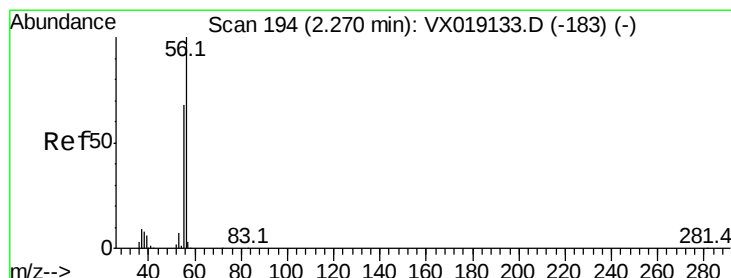
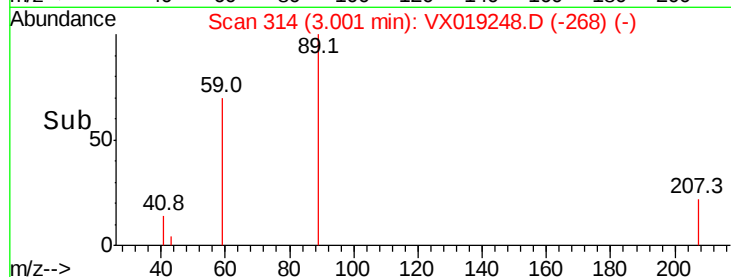
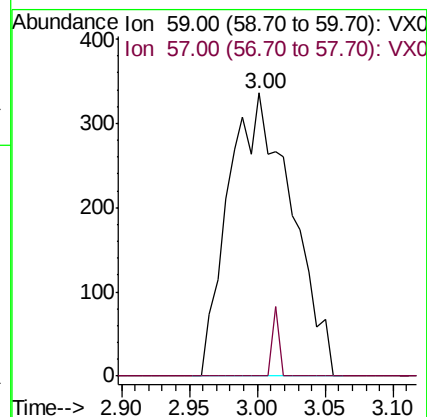
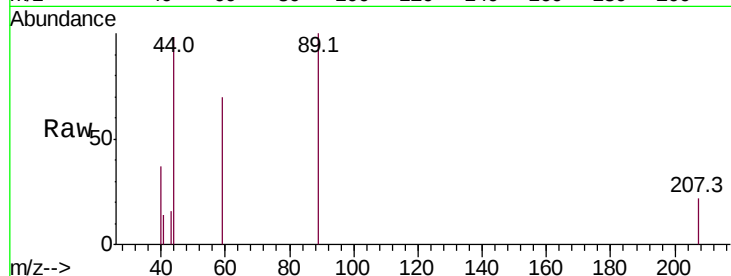
CRT-6

Tot Ion: 59 Resp: 1089

Ion Ratio Lower Upper

59 100

57 2.8 8.4 12.6#



#13

Acrolein

Concen: 5.727 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX019248.D

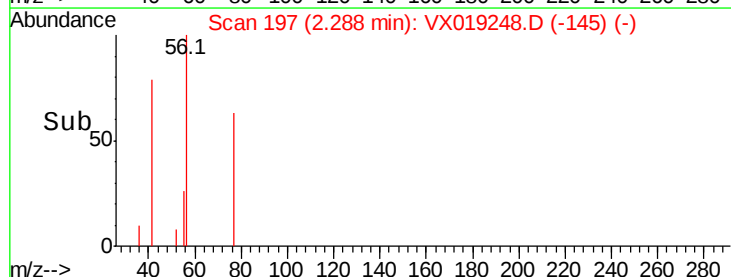
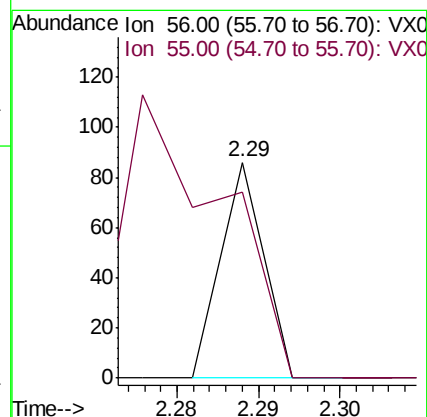
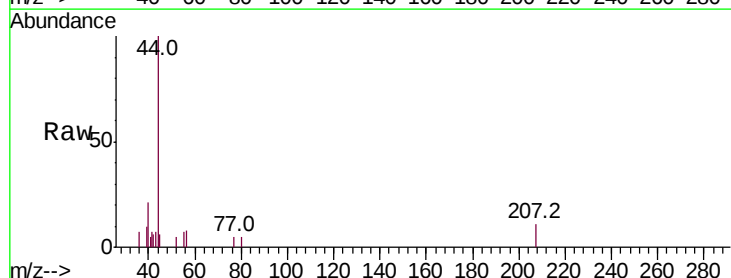
Acq: 03 Nov 2020 21:09

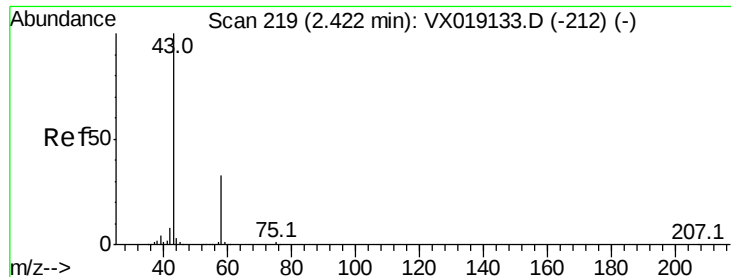
Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

55 300.0 54.7 82.1#





#16

Acetone

Concen: 1.657 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019248.D

Acq: 03 Nov 2020 21:09

Instrument :

MSVOA_X

ClientSampleId :

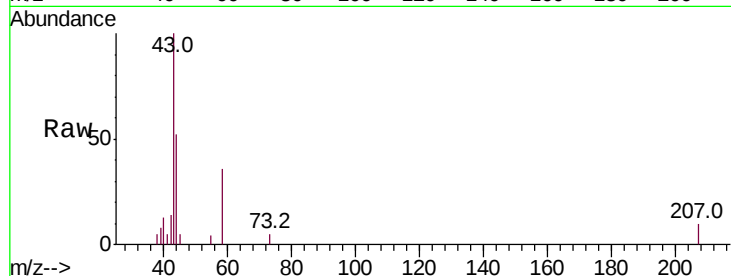
CRT-6

Tot Ion: 43 Resp: 2464

Ion Ratio Lower Upper

43 100

58 38.8 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

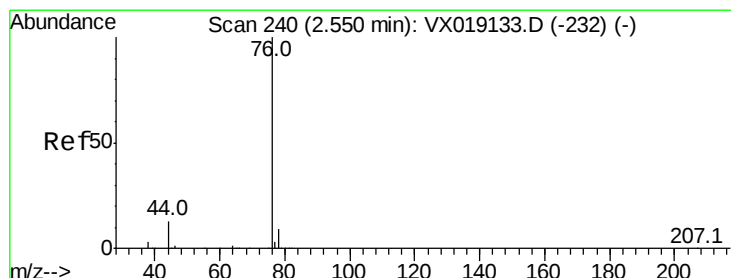
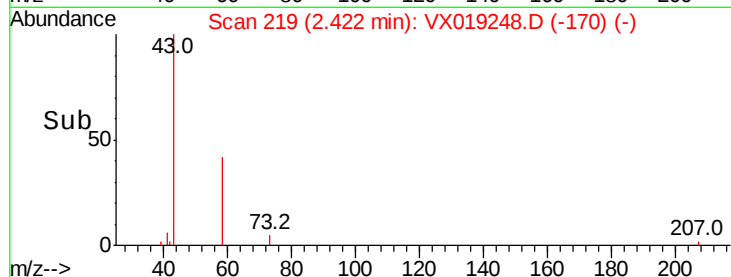
1000

500

2.42

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.802 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019248.D

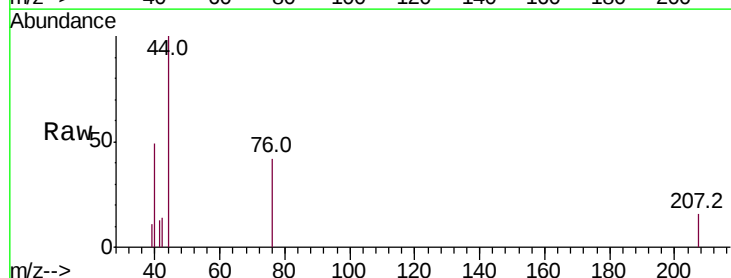
Acq: 03 Nov 2020 21:09

Tgt Ion: 76 Resp: 391

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250

200

150

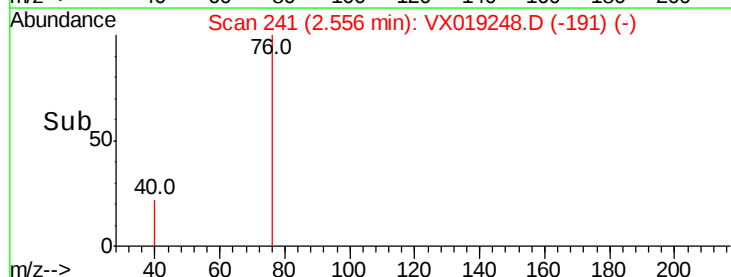
100

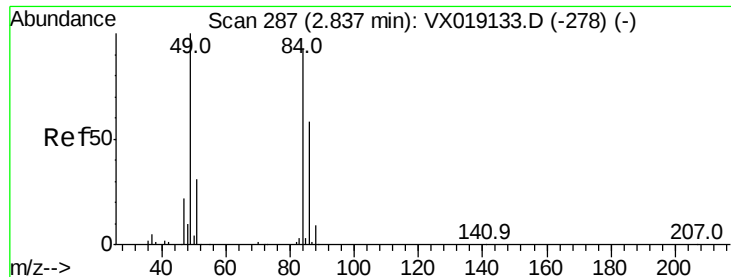
50

2.56

2.50 2.55 2.60

Time-->

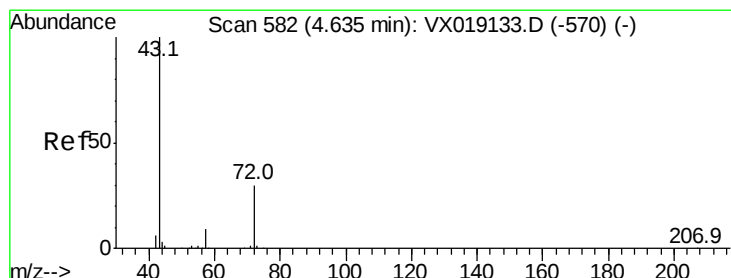
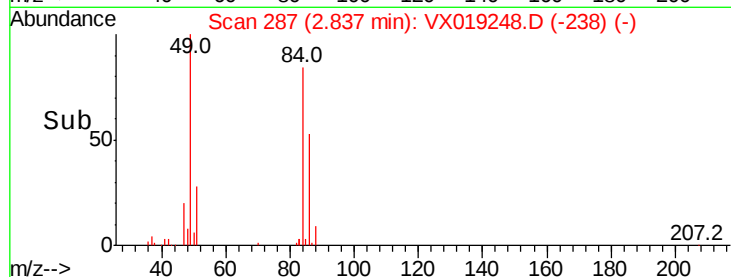
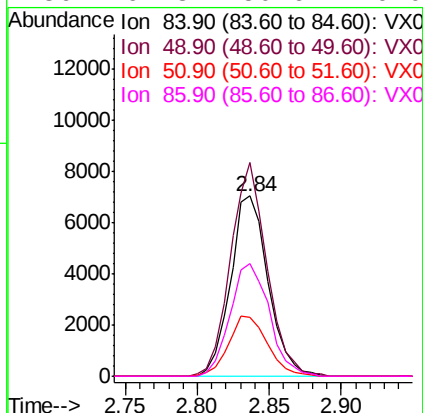
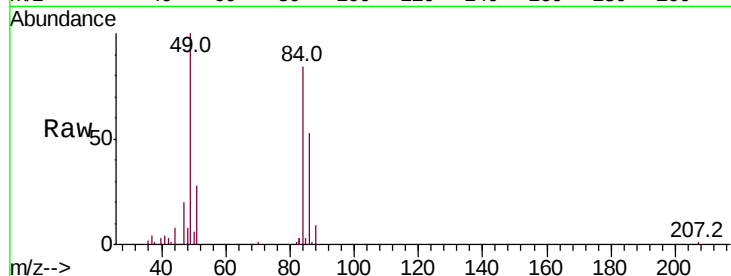




#20
Methvlene Chloride
Concen: 3.431 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019248.D
Acq: 03 Nov 2020 21:09

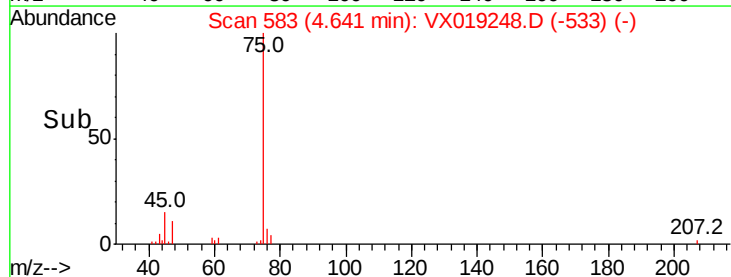
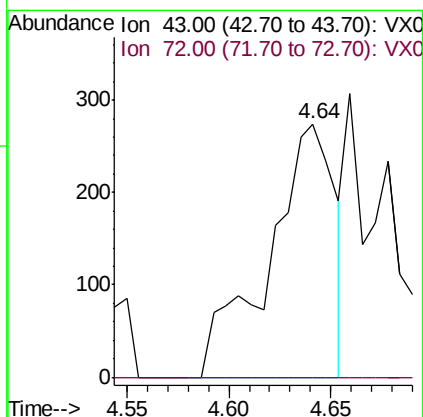
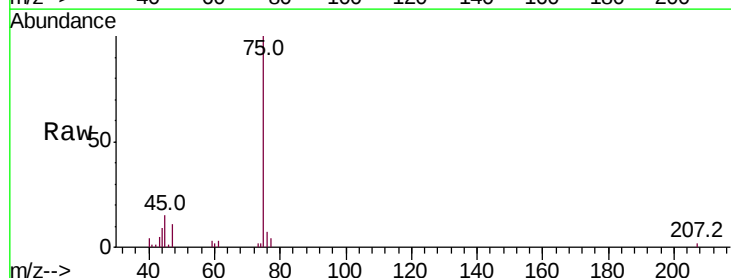
Instrument :
MSVOA_X
ClientSampled :
CRT-6

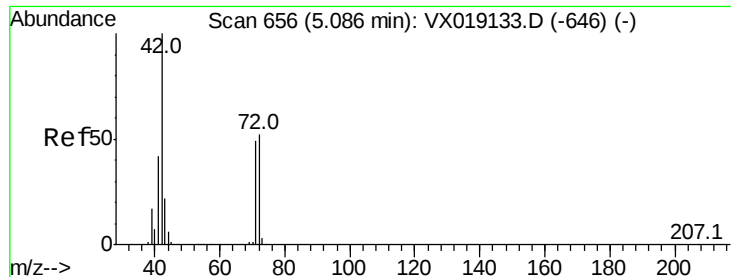
Tot Ion:	84	Resp:	12811
Ion	Ratio	Lower	Upper
84	100		
49	118.4	86.8	130.2
51	32.7	27.3	40.9
86	62.3	50.6	76.0



#25
2-Butanone
Concen: 0.264 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX019248.D
Acq: 03 Nov 2020 21:09

Tgt Ion:	43	Resp:	618
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.6	36.8#





#29

Tetrahydrofuran

Concen: 0.882 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX019248.D

Acq: 03 Nov 2020 21:09

Instrument :

MSVOA_X

ClientSampleId :

CRT-6

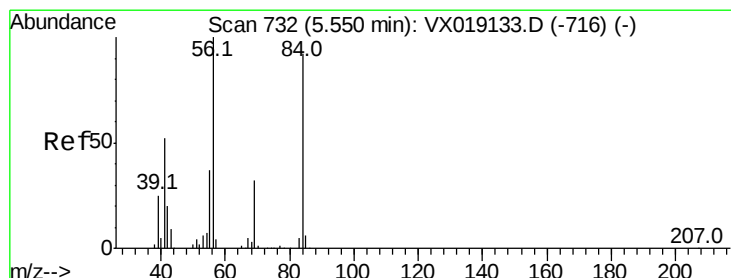
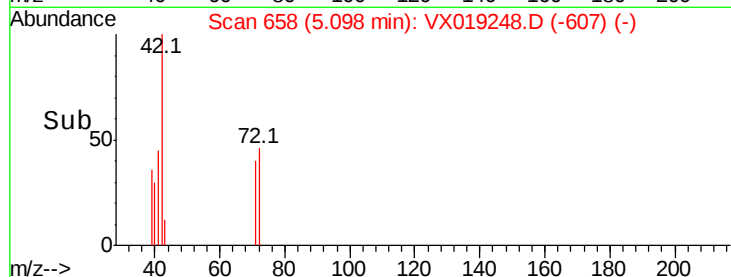
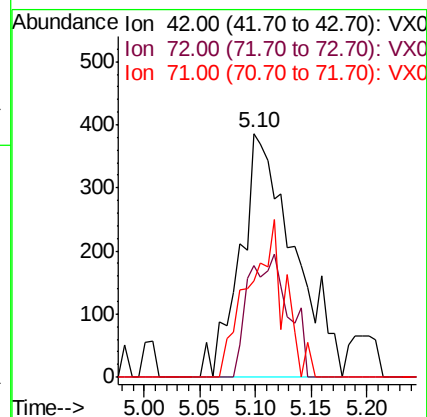
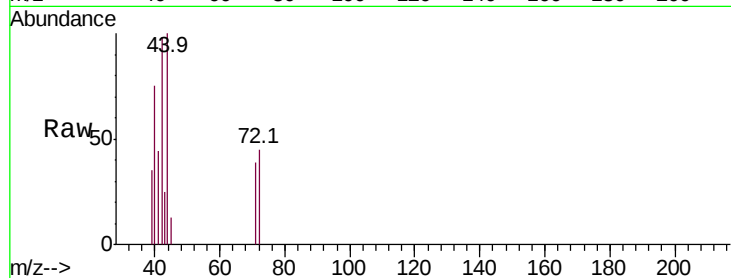
Tot Ion: 42 Resp: 1303

Ion Ratio Lower Upper

42 100

72 37.8 42.6 63.8#

71 43.0 39.7 59.5



#31

Cyclohexane

Concen: 1.373 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019248.D

Acq: 03 Nov 2020 21:09

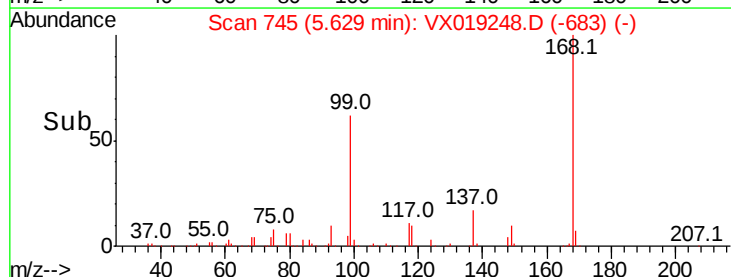
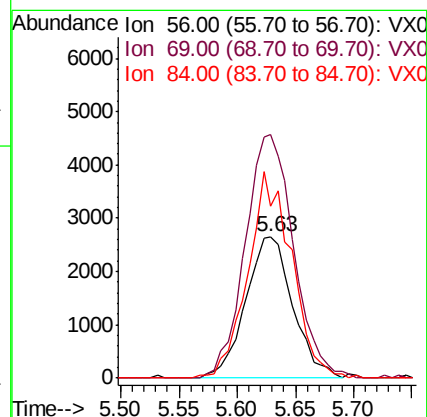
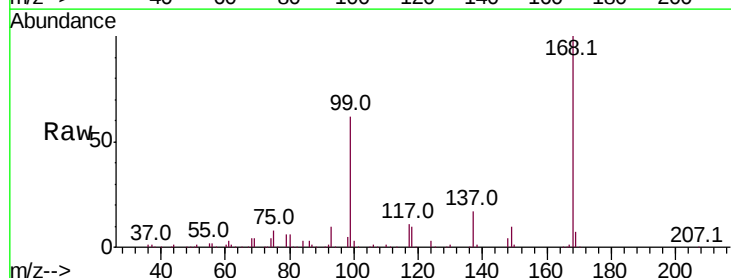
Tgt Ion: 56 Resp: 7479

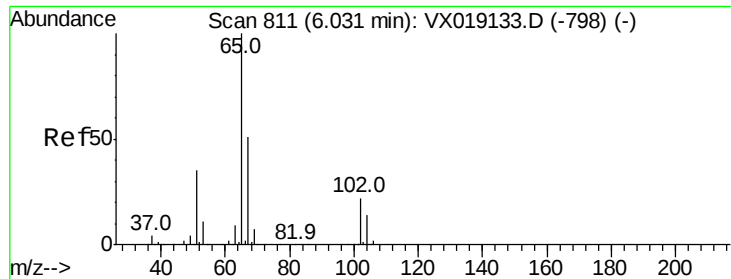
Ion Ratio Lower Upper

56 100

69 172.2 25.9 38.9#

84 121.7 73.4 110.2#

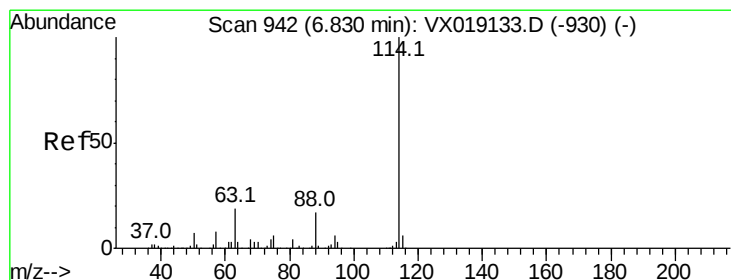
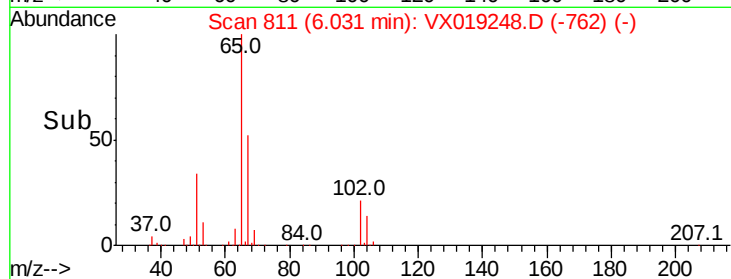
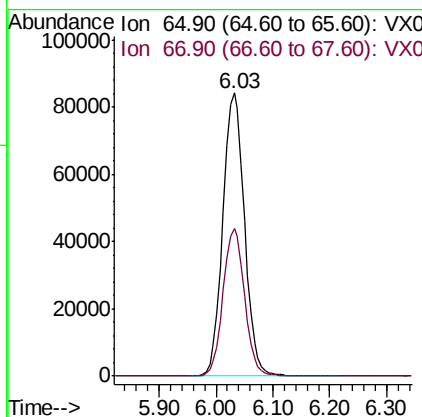
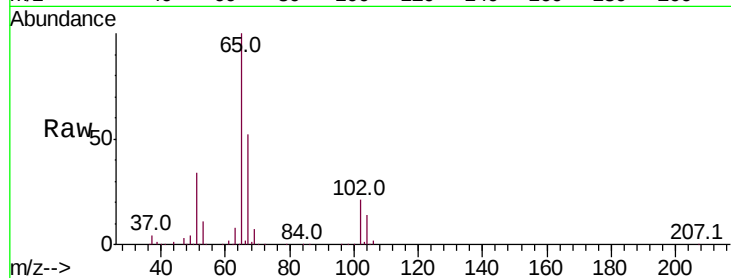




#33
 1,2-Dichloroethane-d4
 Concen: 51.867 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019248.D
 Acq: 03 Nov 2020 21:09

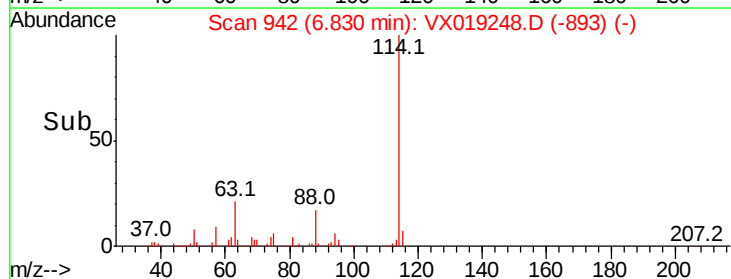
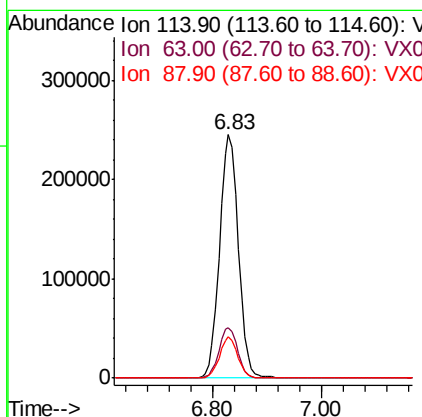
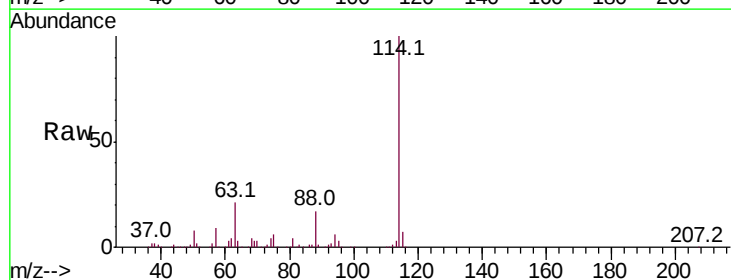
Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-6

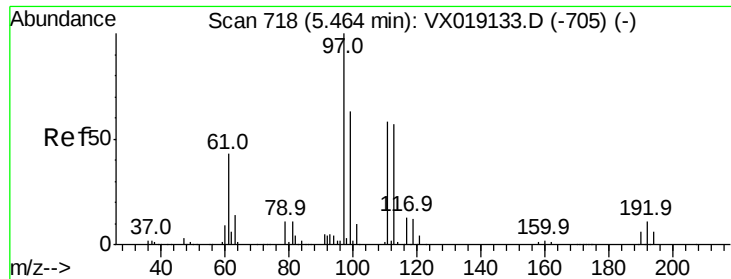
Tot Ion: 65 Resp: 223578
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019248.D
 Acq: 03 Nov 2020 21:09

Tgt Ion: 114 Resp: 588130
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 38.8
 88 16.8 0.0 34.2

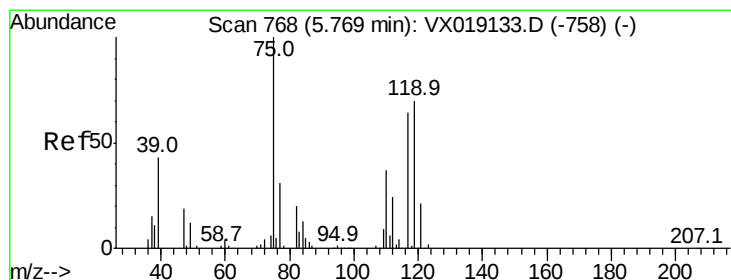
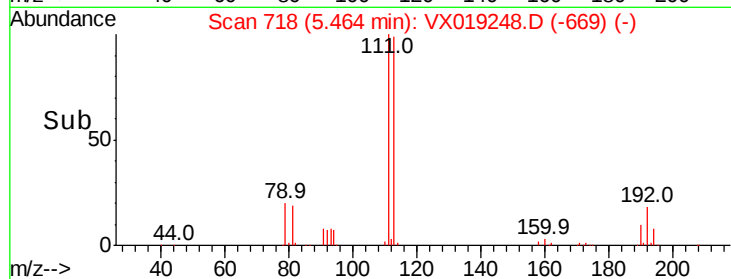
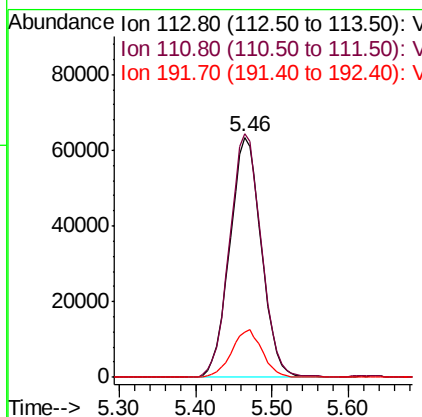
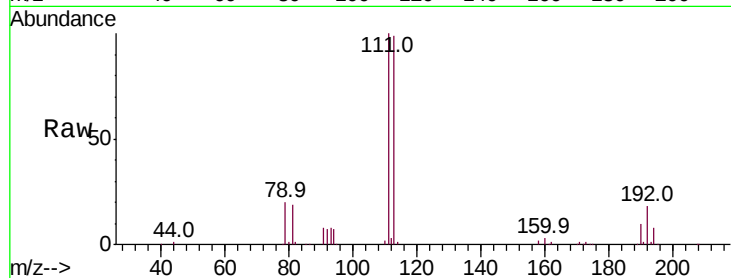




#35
 Dibromofluoromethane
 Concen: 49.069 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019248.D
 Acq: 03 Nov 2020 21:09

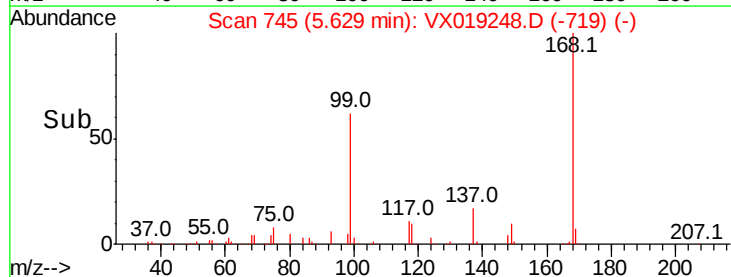
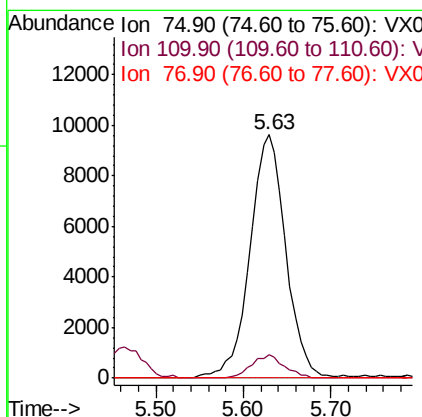
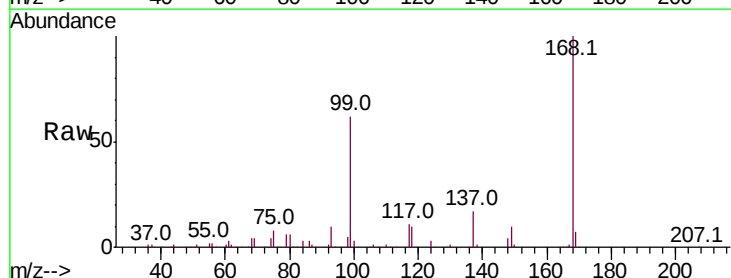
Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-6

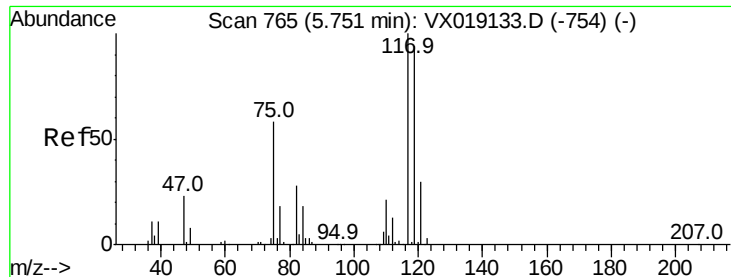
Tot Ion:113 Resp: 181275
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.3 123.5
 192 19.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019248.D
 Acq: 03 Nov 2020 21:09

Tgt Ion: 75 Resp: 27362
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.3 54.9#
 77 0.0 24.9 37.3#

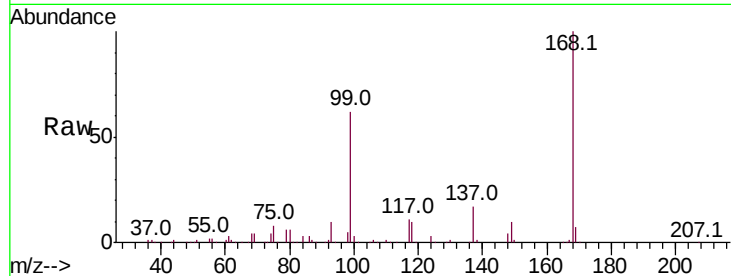




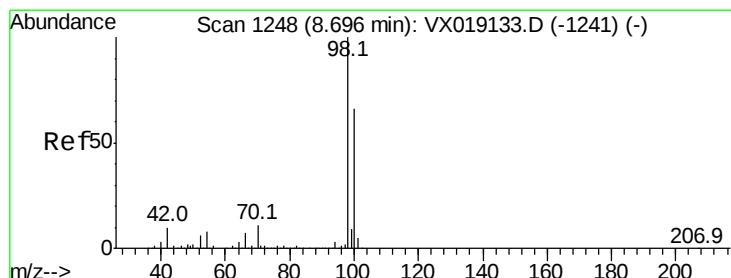
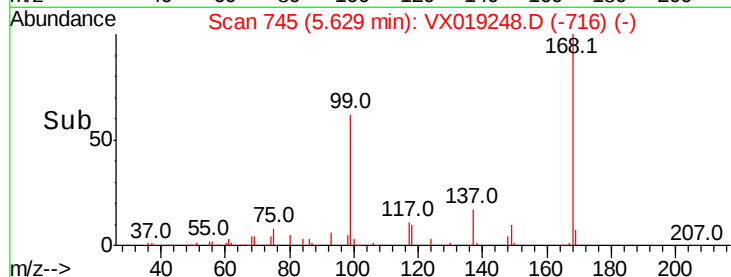
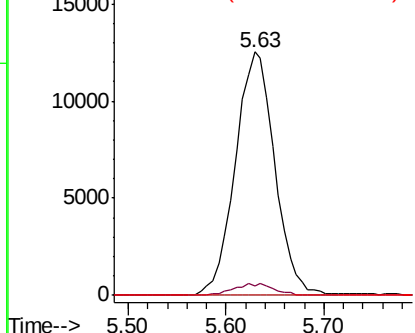
#38
Carbon Tetrachloride
Concen: 6.330 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019248.D
Acq: 03 Nov 2020 21:09

Instrument :
MSVOA_X
ClientSampleId :
CRT-6

Tot Ion:117 Resp: 35044
Ion Ratio Lower Upper
117 100
119 4.0 75.0 112.6#
121 0.0 23.9 35.9#

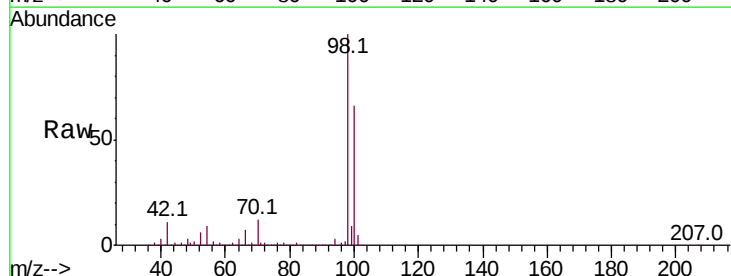


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

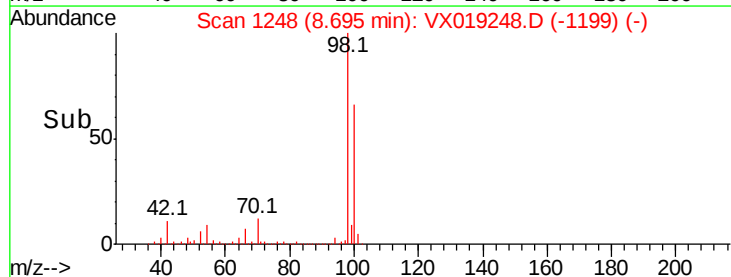
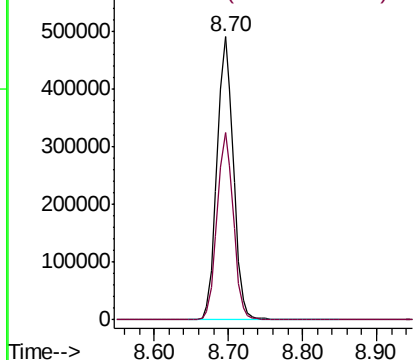


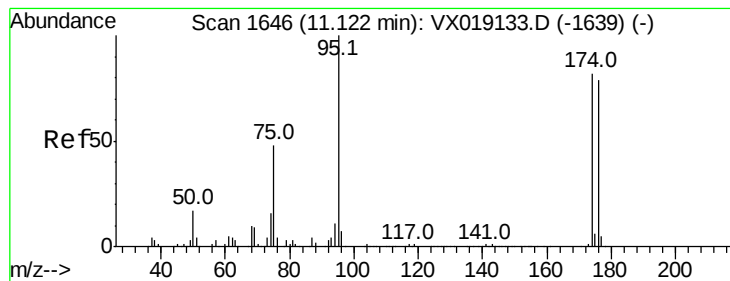
#50
Toluene-d8
Concen: 53.457 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019248.D
Acq: 03 Nov 2020 21:09

Tgt Ion: 98 Resp: 744447
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 55.065 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019248.D

Acq: 03 Nov 2020 21:09

Instrument :

MSVOA_X

ClientSampleId :

CRT-6

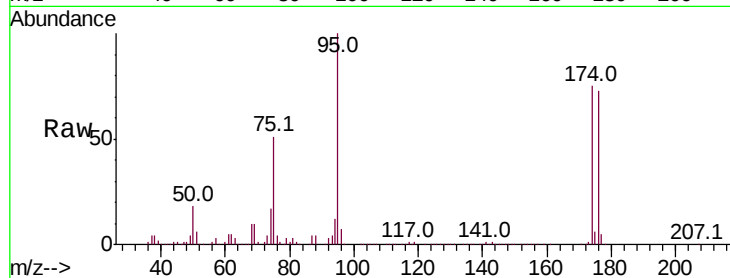
Tot Ion: 95 Resp: 290407

Ion Ratio Lower Upper

95 100

174 75.7 0.0 156.0

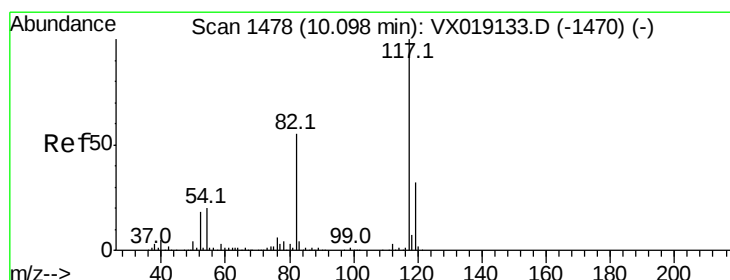
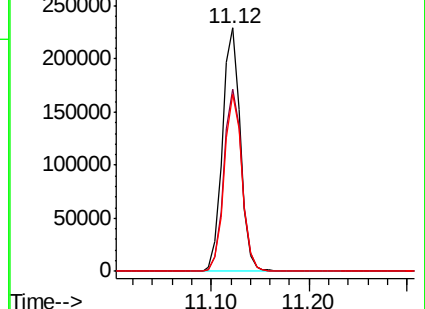
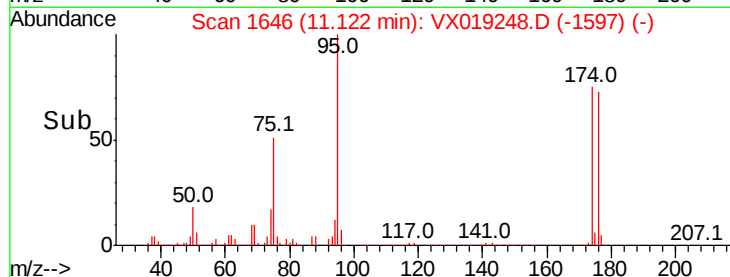
176 72.7 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX019248.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019248.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019248.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019248.D

Acq: 03 Nov 2020 21:09

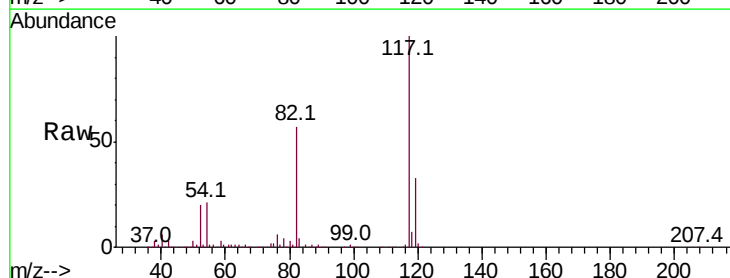
Tgt Ion: 117 Resp: 578268

Ion Ratio Lower Upper

117 100

82 57.0 43.6 65.4

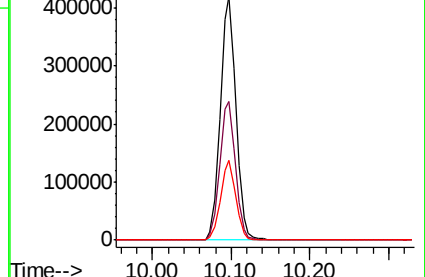
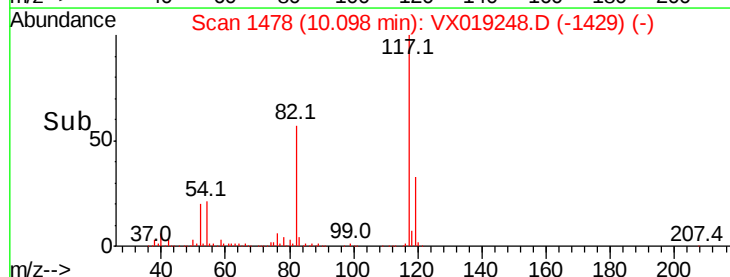
119 32.6 25.5 38.3

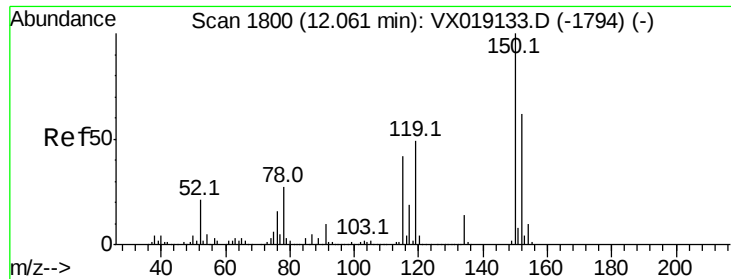


Abundance Ion 116.90 (116.60 to 117.60): VX019248.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX019248.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX019248.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019248.D

Acq: 03 Nov 2020 21:09

Instrument :

MSVOA_X

ClientSampled :

CRT-6

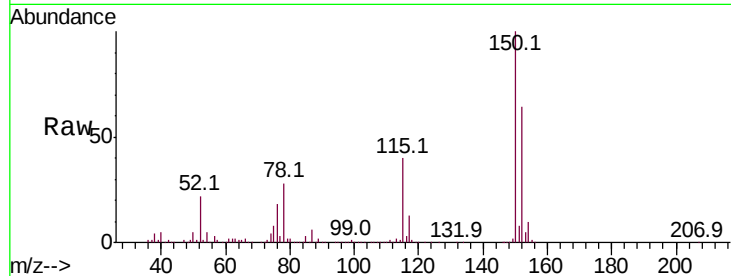
Tot Ion:152 Resp: 299103

Ion Ratio Lower Upper

152 100

115 61.5 41.9 125.7

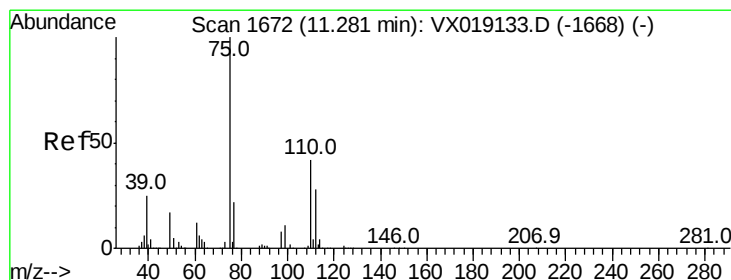
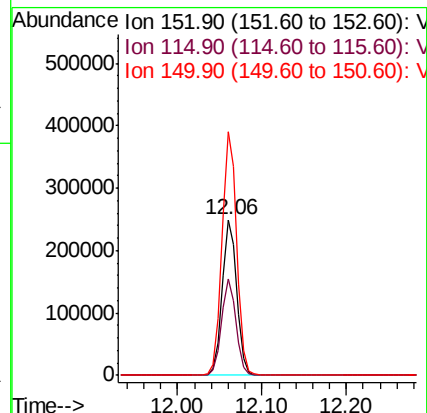
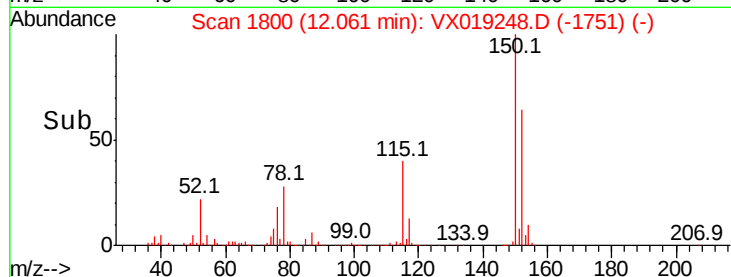
150 158.3 0.0 347.8



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: 24.154 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019248.D

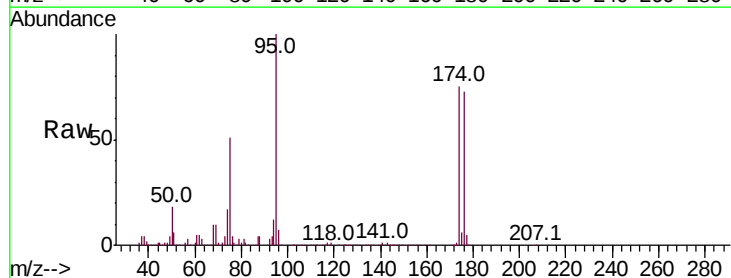
Acq: 03 Nov 2020 21:09

Tgt Ion: 75 Resp: 149169

Ion Ratio Lower Upper

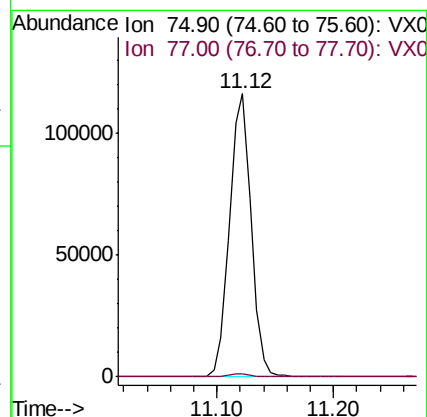
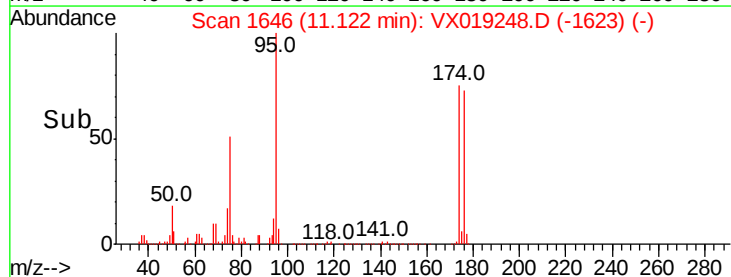
75 100

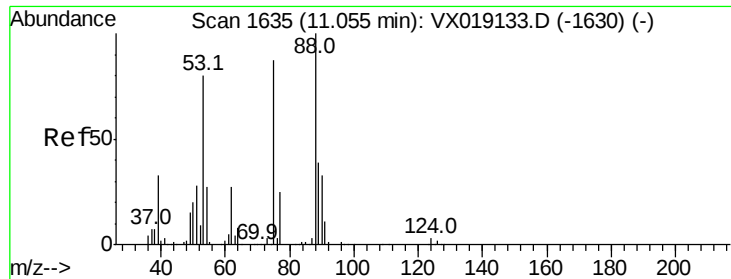
77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.596 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019248.D

Acq: 03 Nov 2020 21:09

Instrument :

MSVOA_X

ClientSampleId :

CRT-6

Tot Ion: 75 Resp: 149169

Ion Ratio Lower Upper

75 100

53 0.1 73.3 109.9#

89 0.0 38.2 57.2#

