

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120920\
 Data File : VX019796.D
 Acq On : 09 Dec 2020 23:32
 Operator : JC/MD
 Sample : VX1209WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBL02

Quant Time: Dec 10 06:43:20 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	336721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	548498	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	496915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	220465	50.00	ug/l	0.00

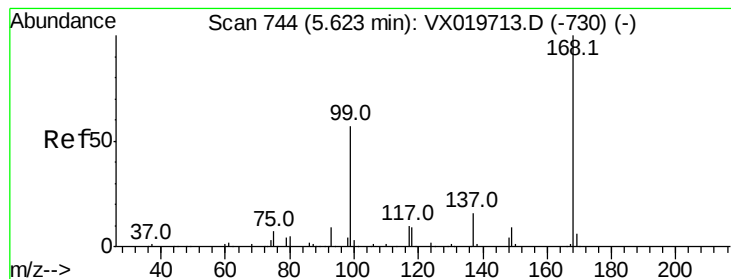
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	207514	46.89	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.78%
35) Dibromofluoromethane	5.46	113	167005	47.11	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.22%
50) Toluene-d8	8.70	98	666755	49.27	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.54%
62) 4-Bromofluorobenzene	11.12	95	232554	45.15	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.30%

Target Compounds

					Qvalue	
5) Bromomethane	1.63	94	1125	0.886	ug/l	85
10) Methyl Iodide	2.50	142	2515	0.559	ug/l	96
11) Tert butyl alcohol	3.00	59	6423	4.493	ug/l #	75
13) Acrolein	2.28	56	296	0.606	ug/l #	44
16) Acetone	2.42	43	1330	0.800	ug/l	98
17) Carbon Disulfide	2.55	76	2007	0.227	ug/l	100
20) Methylene Chloride	2.83	84	913	Below Cal	#	87
25) 2-Butanone	4.64	43	714	0.279	ug/l #	45
31) Cyclohexane	5.63	56	6700	1.217	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25074	5.059	ug/l #	49
38) Carbon Tetrachloride	5.63	117	33113	6.822	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	111149	22.479	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	111149	64.982	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. 0.01 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

Instrument :

MSVOA_X

ClientSampleId :

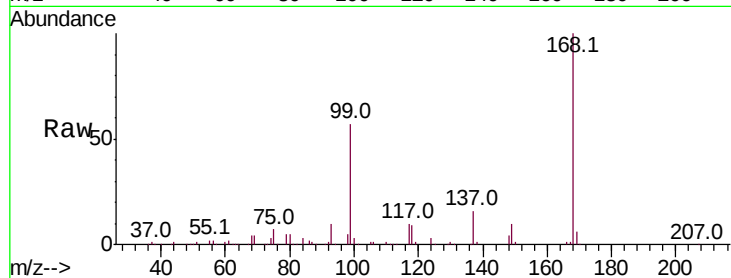
VX1209WBL02

Tot Ion:168 Resp: 336721

Ion Ratio Lower Upper

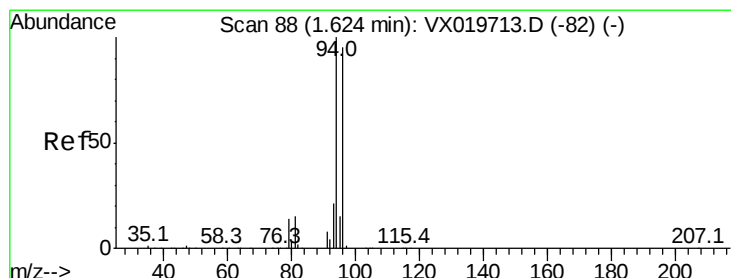
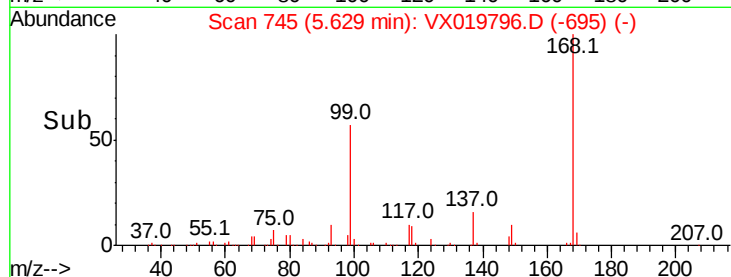
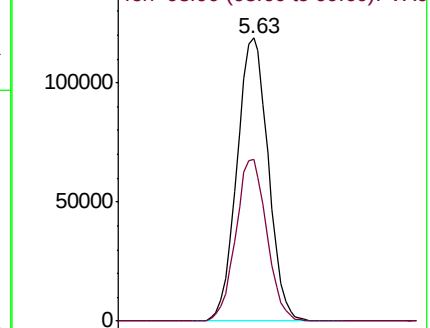
168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.886 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019796.D

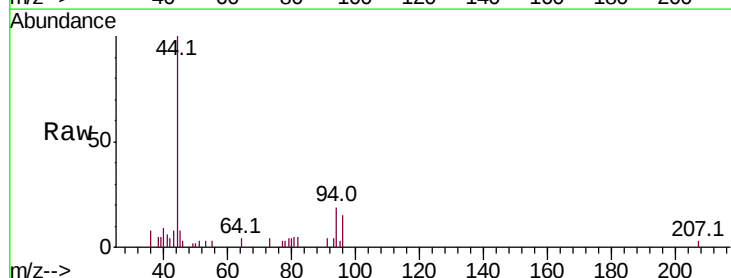
Acq: 09 Dec 2020 23:32

Tgt Ion: 94 Resp: 1125

Ion Ratio Lower Upper

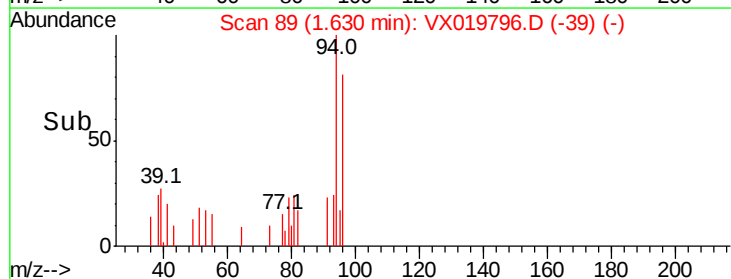
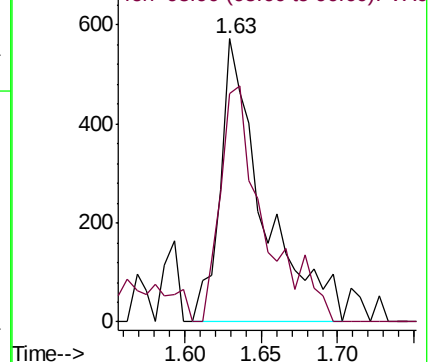
94 100

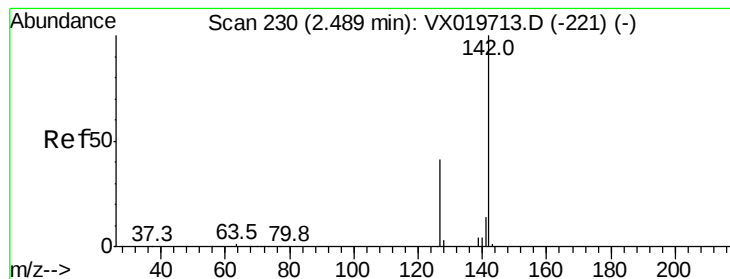
96 80.6 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 0.559 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL02

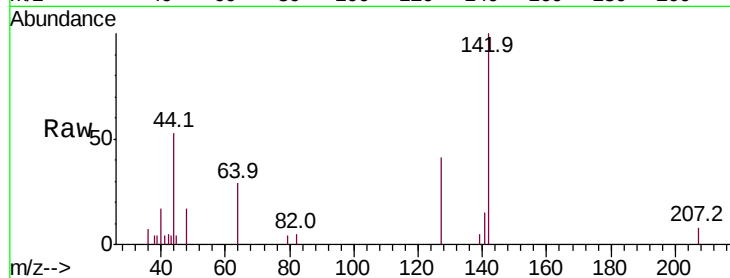
Tot Ion:142 Resp: 2515

Ion Ratio Lower Upper

142 100

127 44.7 33.3 49.9

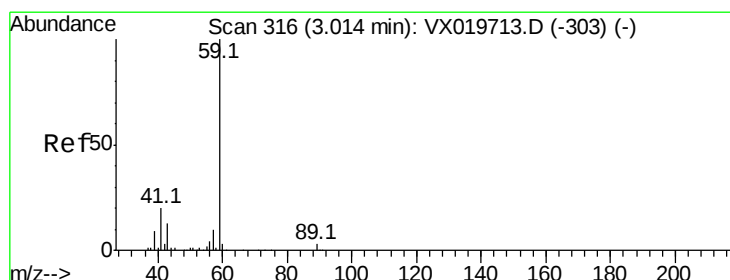
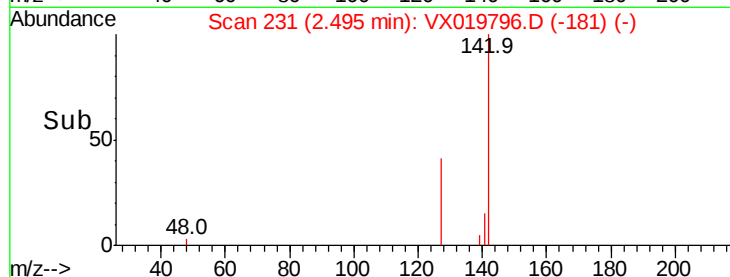
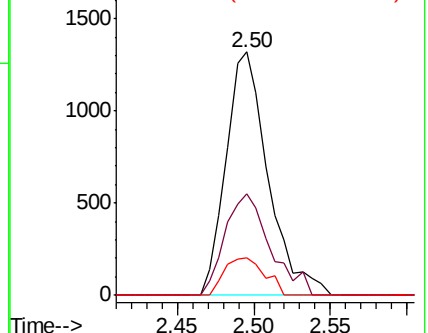
141 14.8 11.4 17.0



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: 4.493 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019796.D

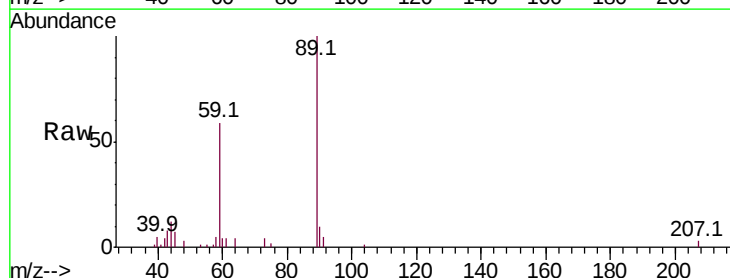
Acq: 09 Dec 2020 23:32

Tgt Ion: 59 Resp: 6423

Ion Ratio Lower Upper

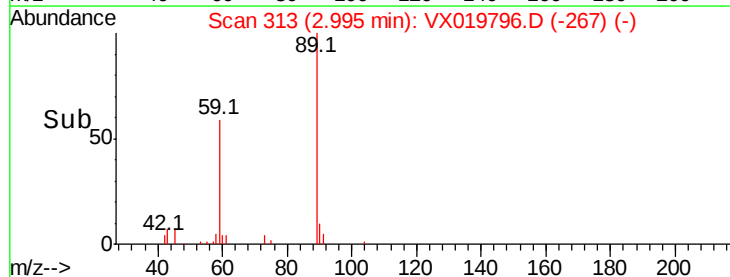
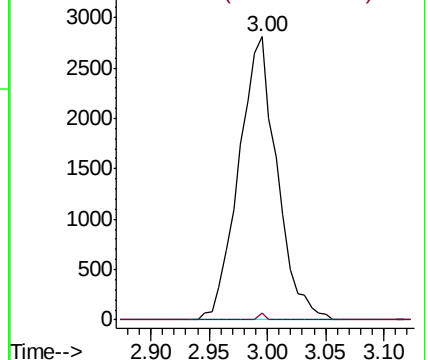
59 100

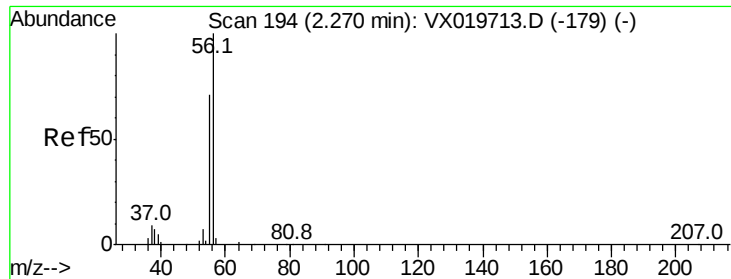
57 0.4 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.606 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

Instrument :

MSVOA_X

ClientSampleId :

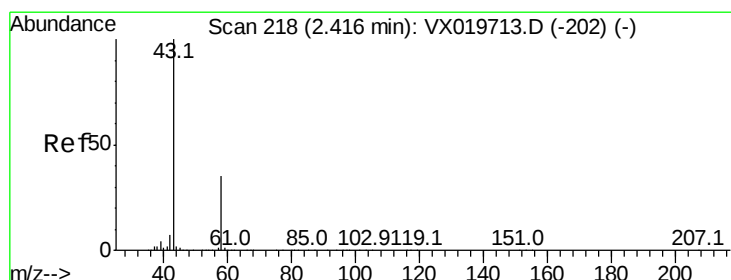
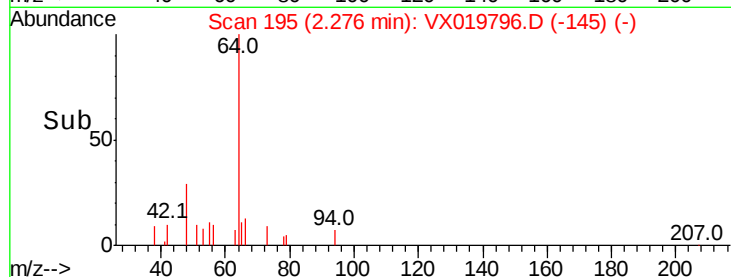
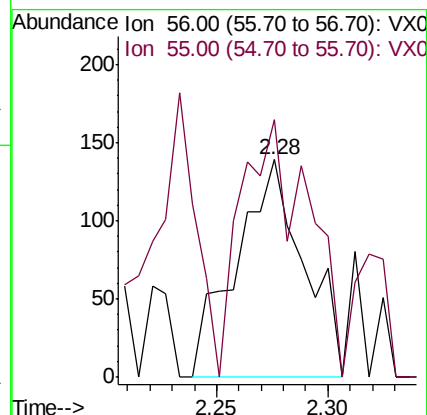
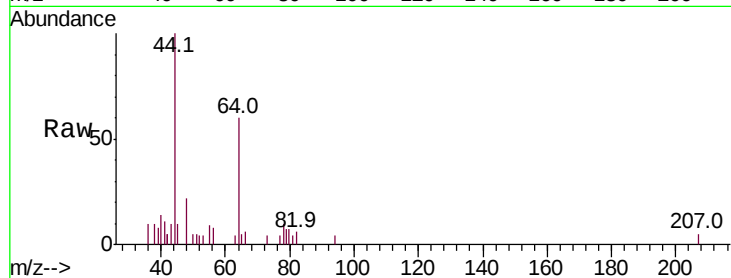
VX1209WBL02

Tot Ion: 56 Resp: 296

Ion Ratio Lower Upper

56 100

55 116.6 56.4 84.6#



#16

Acetone

Concen: 0.800 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019796.D

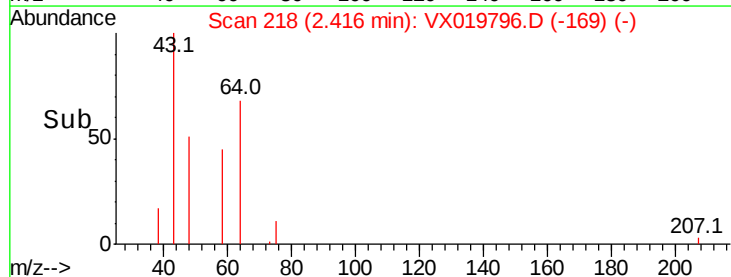
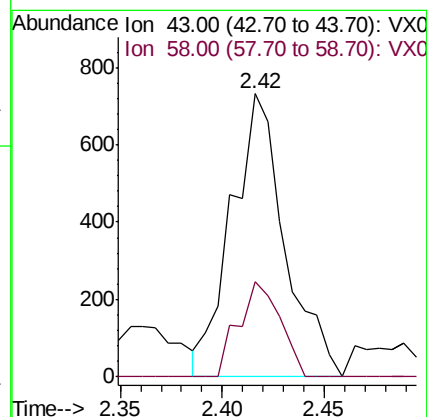
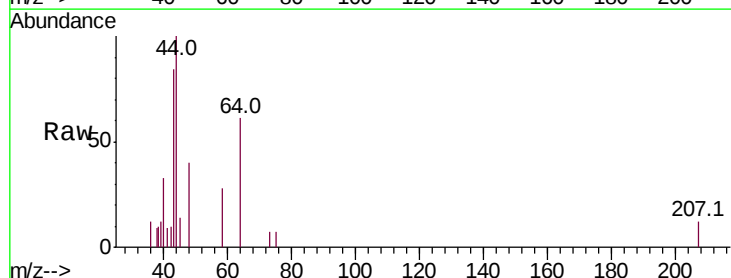
Acq: 09 Dec 2020 23:32

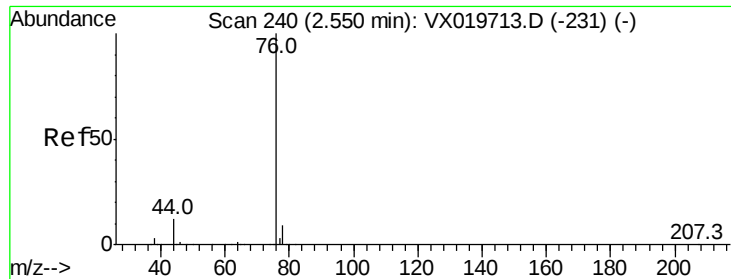
Tgt Ion: 43 Resp: 1330

Ion Ratio Lower Upper

43 100

58 33.5 27.8 41.8

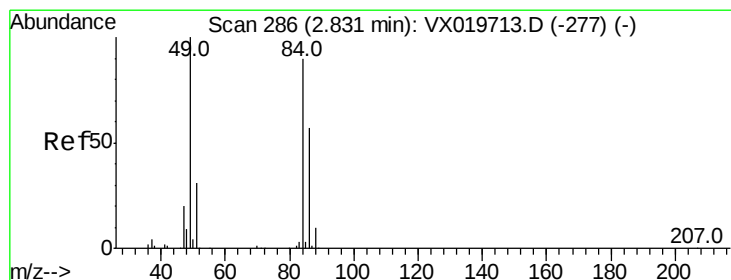
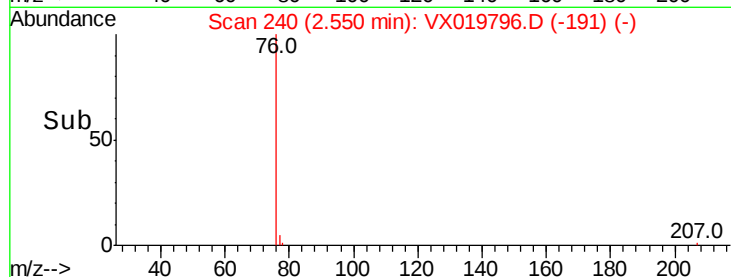
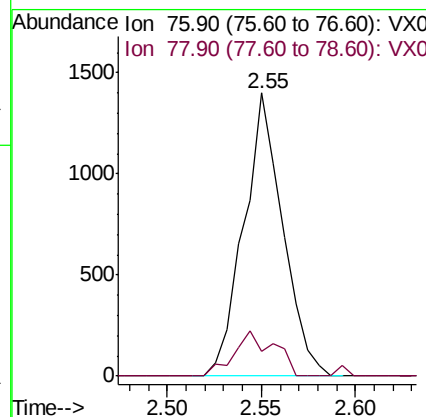
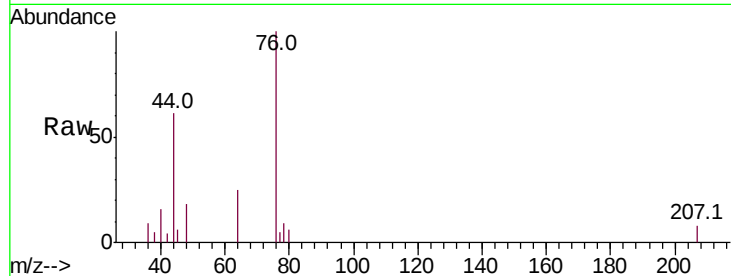




#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX019796.D
Acq: 09 Dec 2020 23:32

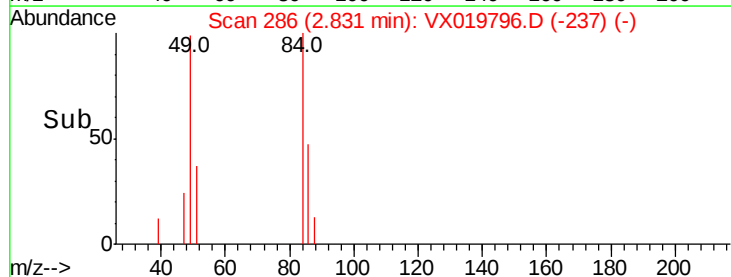
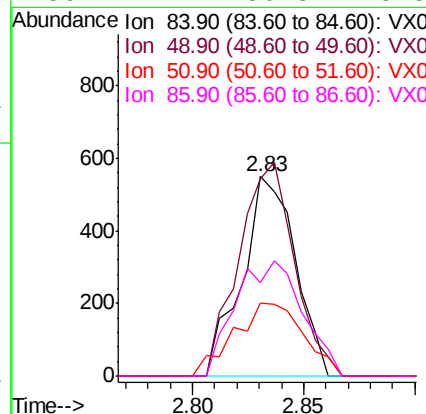
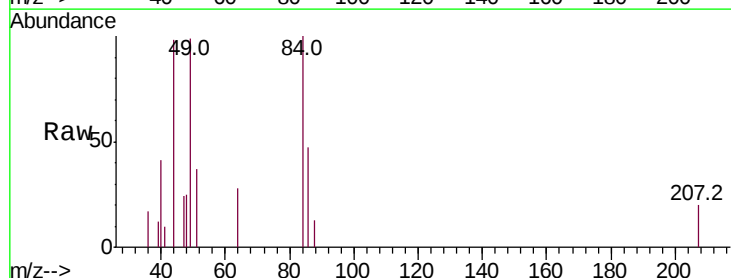
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL02

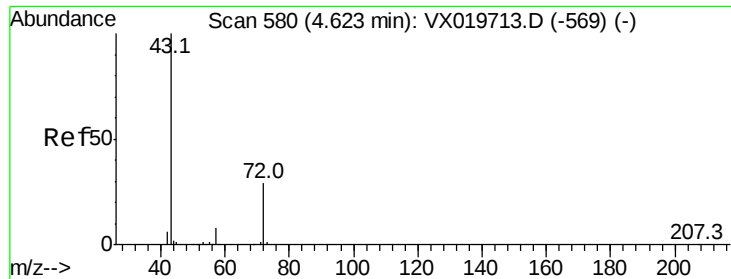
Tot Ion: 76 Resp: 2007
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019796.D
Acq: 09 Dec 2020 23:32

Tgt Ion: 84 Resp: 913
Ion Ratio Lower Upper
84 100
49 98.7 88.6 132.8
51 36.6 27.0 40.6
86 47.2 50.3 75.5#





#25

2-Butanone

Concen: 0.279 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

Instrument :

MSVOA_X

ClientSampleId :

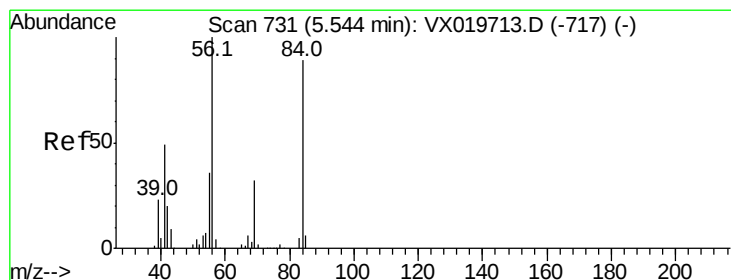
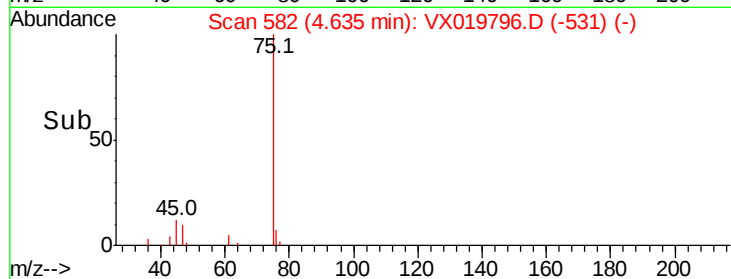
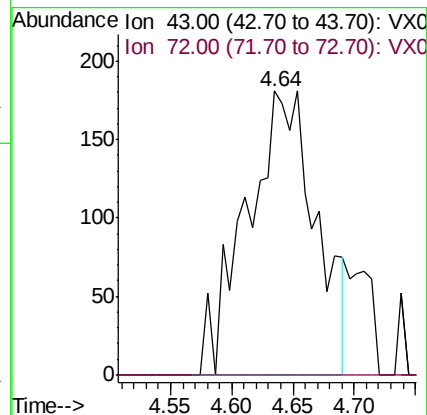
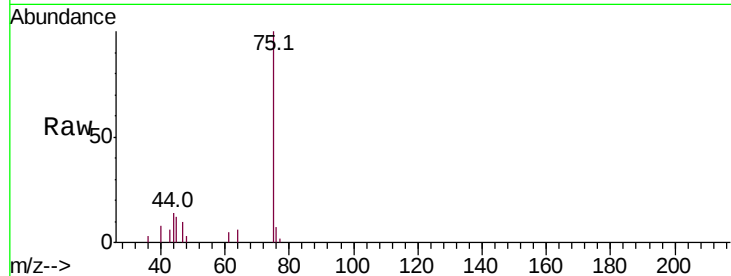
VX1209WBL02

Tot Ion: 43 Resp: 714

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.217 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

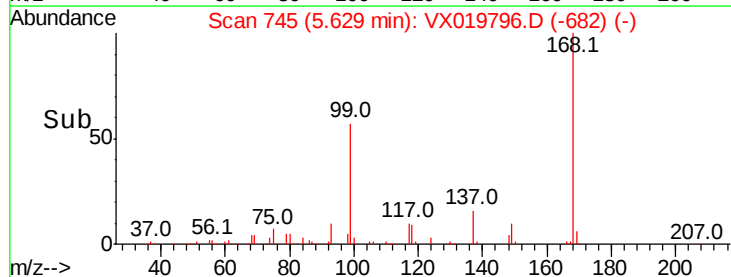
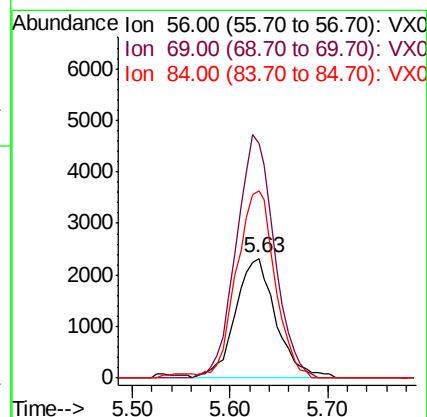
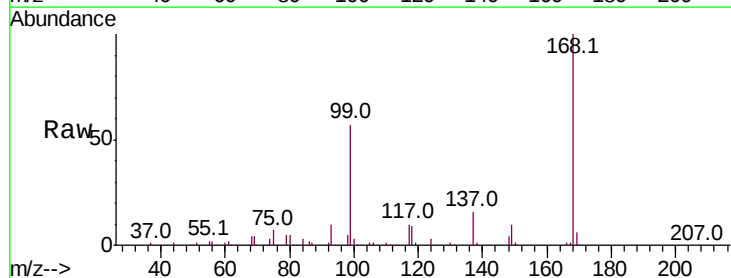
Tgt Ion: 56 Resp: 6700

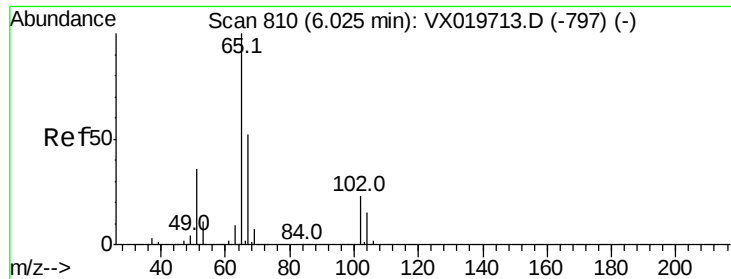
Ion Ratio Lower Upper

56 100

69 195.4 25.3 37.9#

84 156.3 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 46.890 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

Instrument :

MSVOA_X

ClientSampleId :

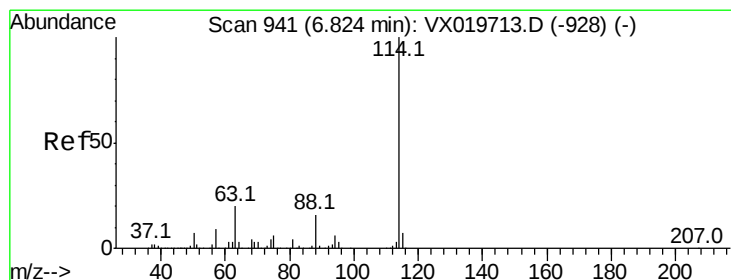
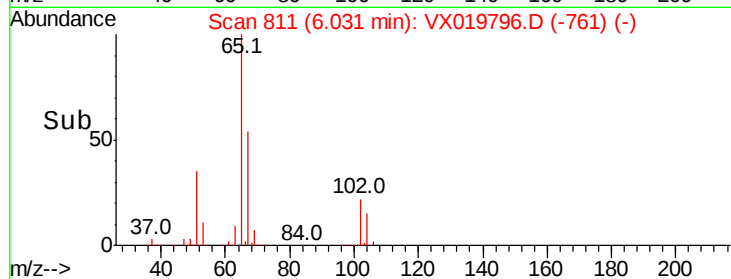
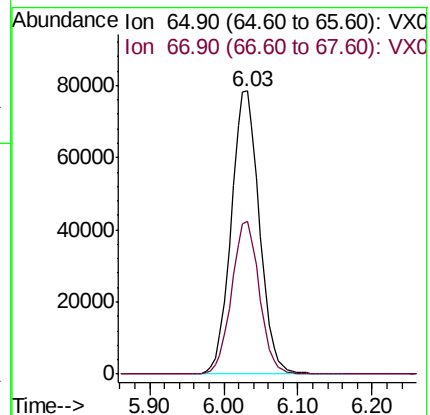
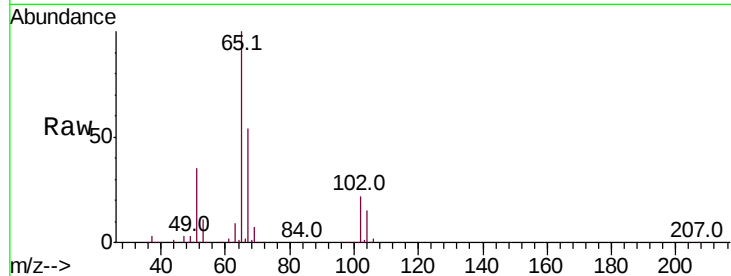
VX1209WBL02

Tot Ion: 65 Resp: 207514

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: VX019796.D

Acq: 09 Dec 2020 23:32

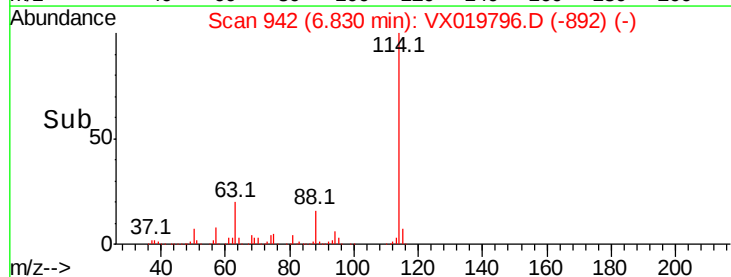
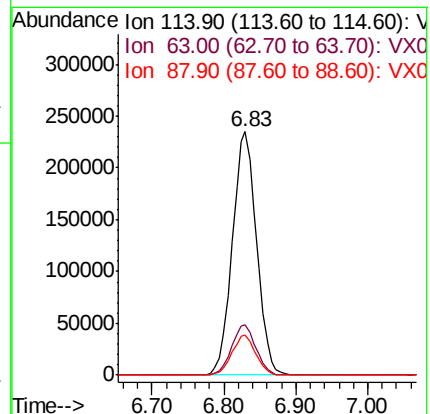
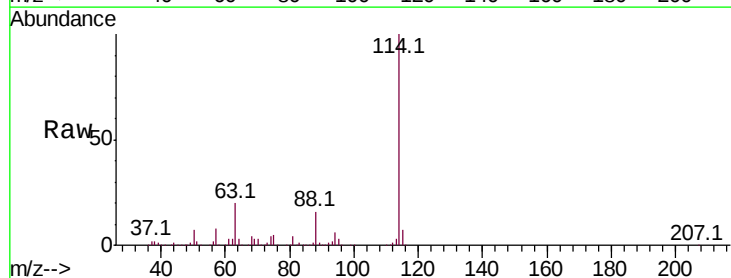
Tgt Ion: 114 Resp: 548498

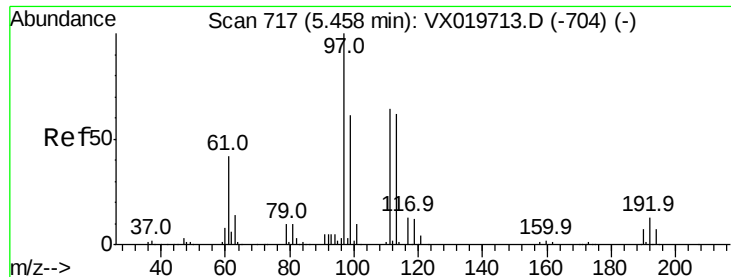
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 16.4 0.0 32.8

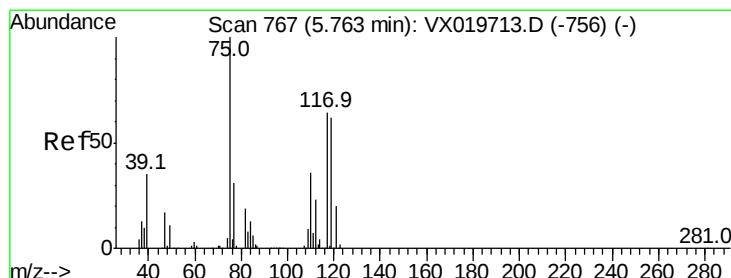
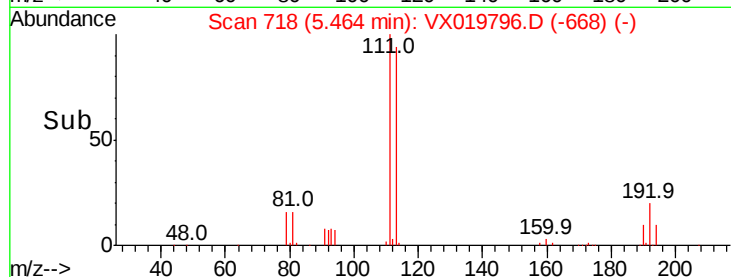
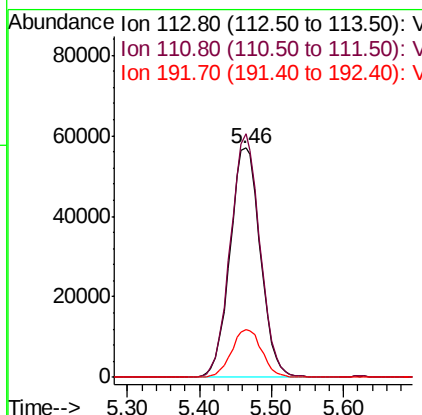
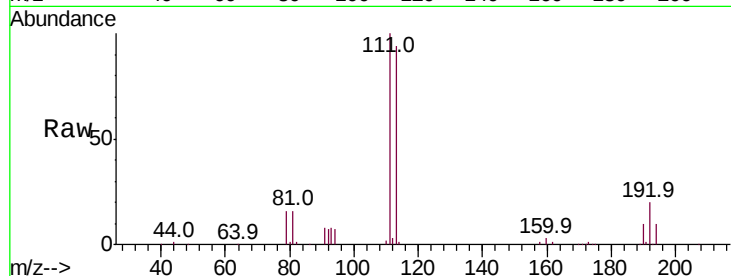




#35
 Dibromofluoromethane
 Concen: 47.112 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019796.D
 Acq: 09 Dec 2020 23:32

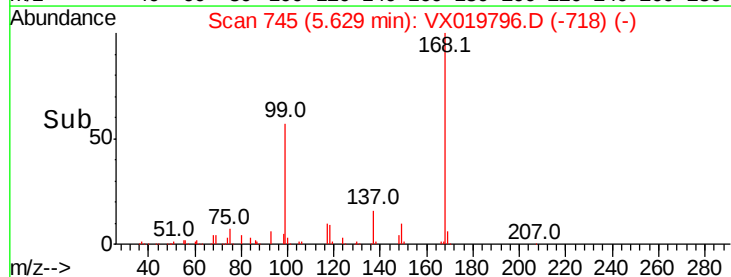
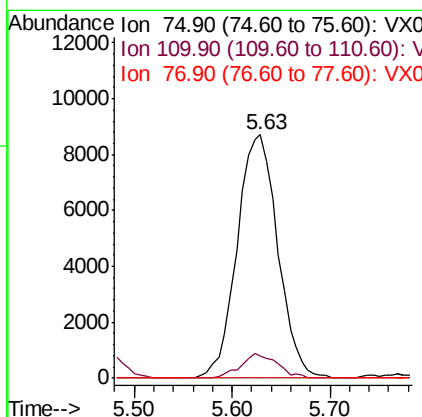
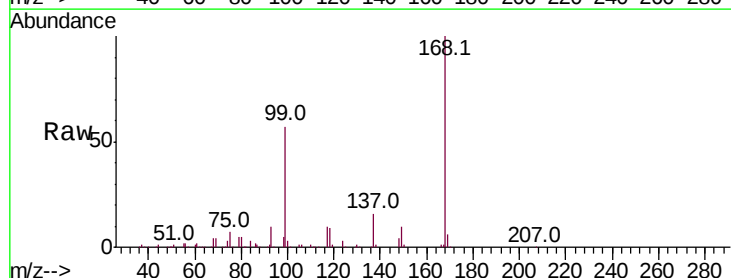
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBL02

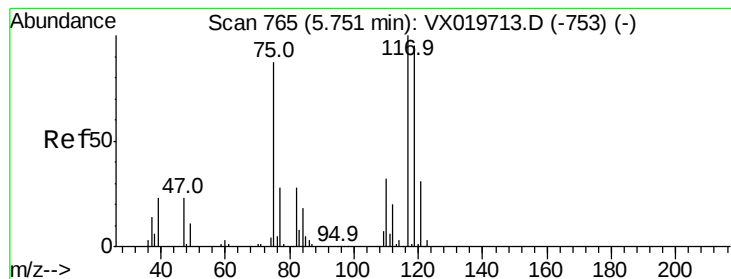
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	20.8	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019796.D
 Acq: 09 Dec 2020 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 6.822 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL02

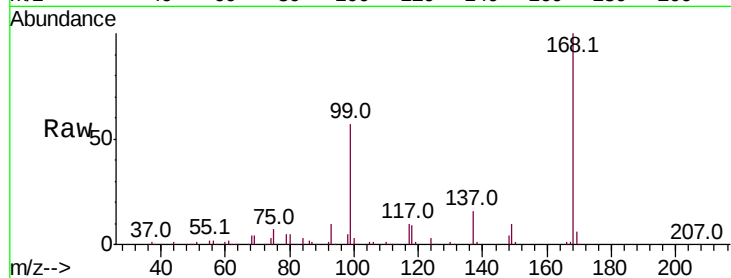
Tot Ion:117 Resp: 33113

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

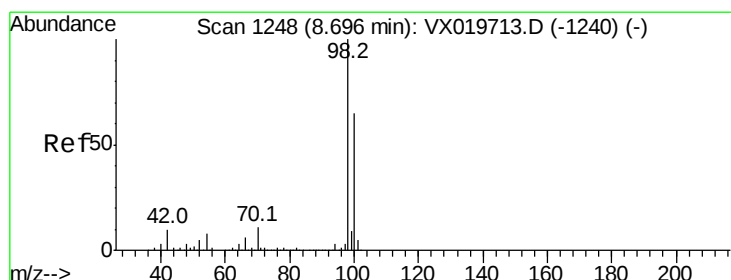
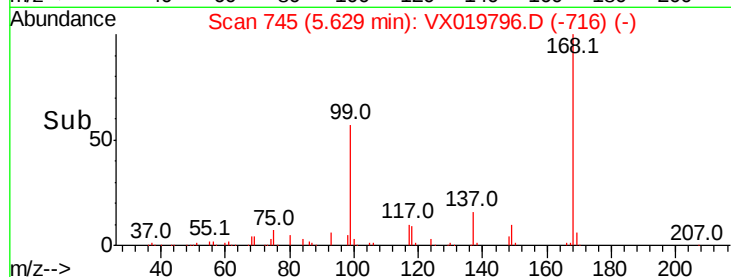
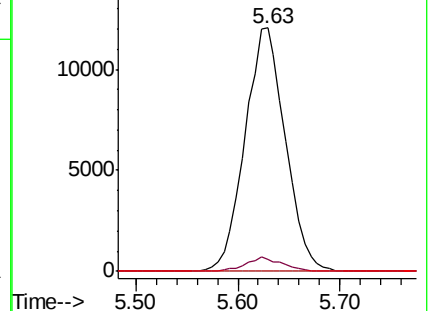
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 49.268 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019796.D

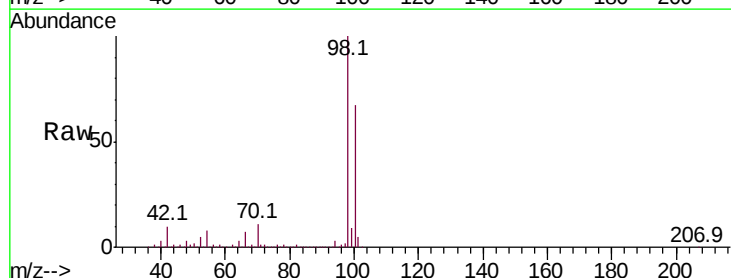
Acq: 09 Dec 2020 23:32

Tgt Ion: 98 Resp: 666755

Ion Ratio Lower Upper

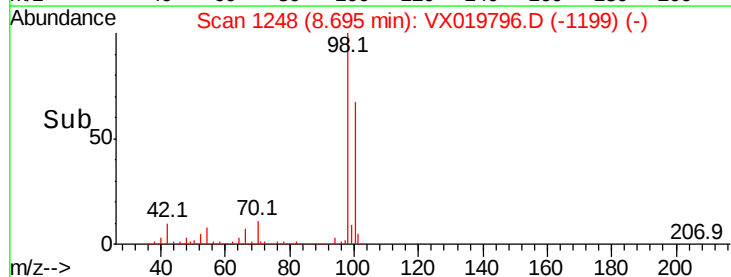
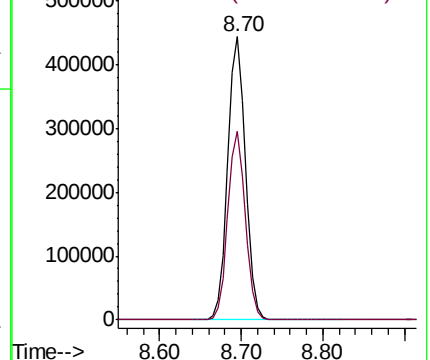
98 100

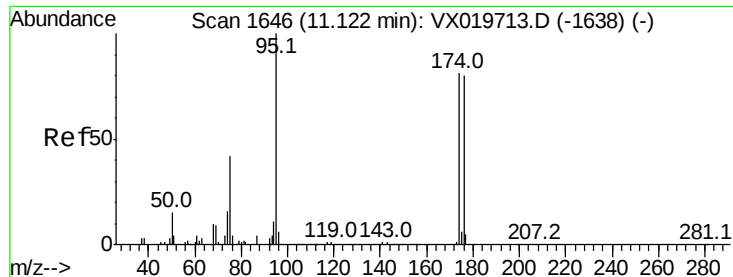
100 65.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.148 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL02

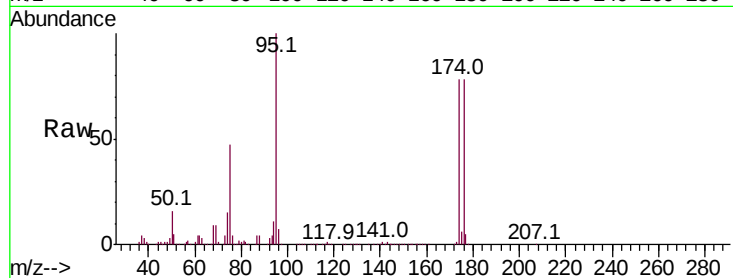
Tot Ion: 95 Resp: 232554

Ion Ratio Lower Upper

95 100

174 78.2 0.0 154.6

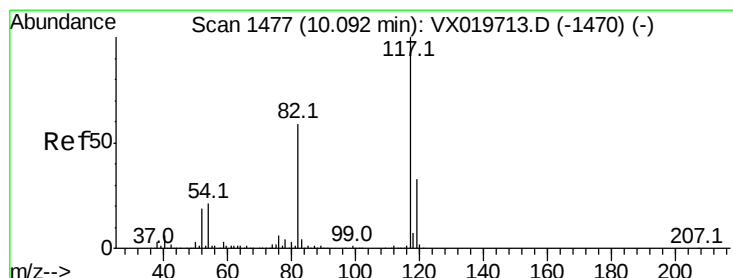
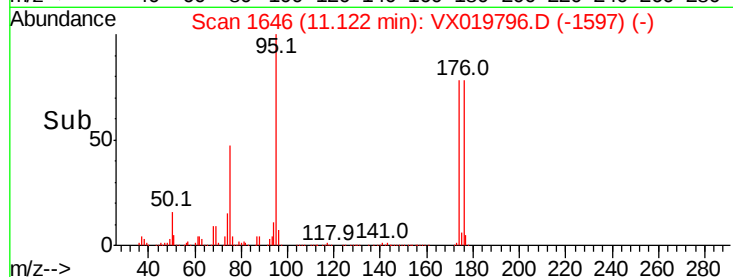
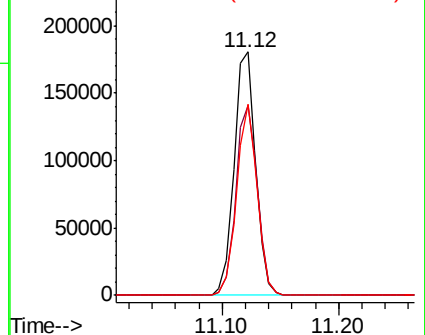
176 74.9 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

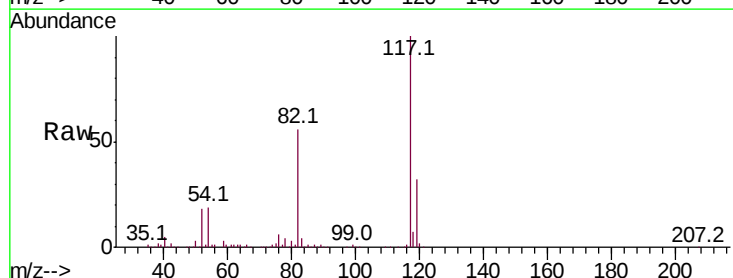
Tgt Ion: 117 Resp: 496915

Ion Ratio Lower Upper

117 100

82 55.9 47.4 71.2

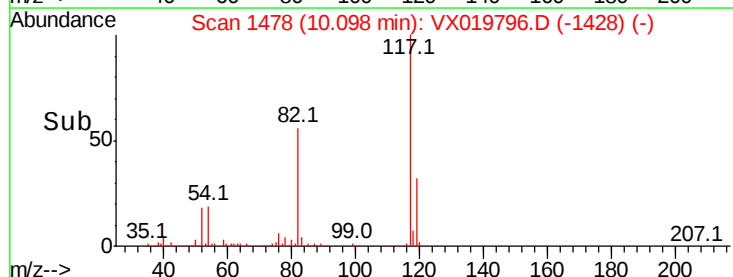
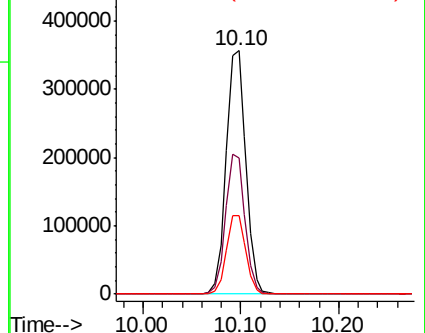
119 32.4 26.6 39.8

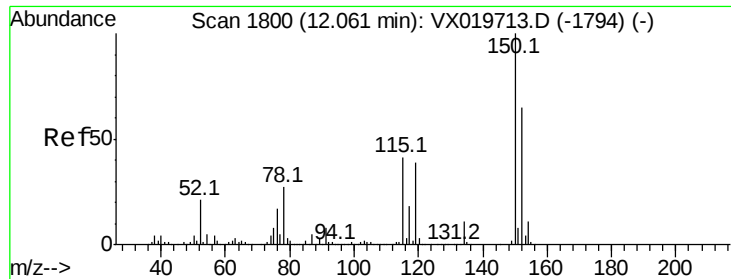


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL02

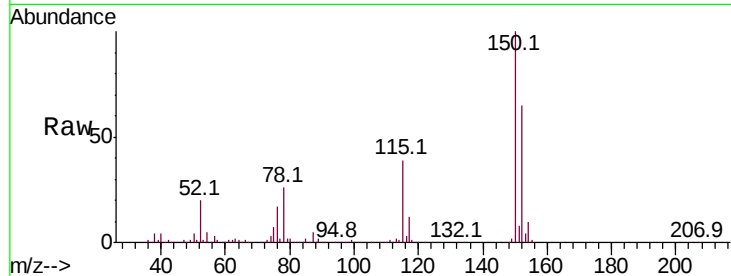
Tot Ion:152 Resp: 220465

Ion Ratio Lower Upper

152 100

115 59.5 41.1 123.3

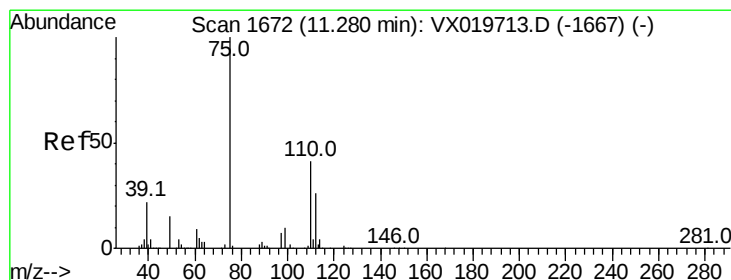
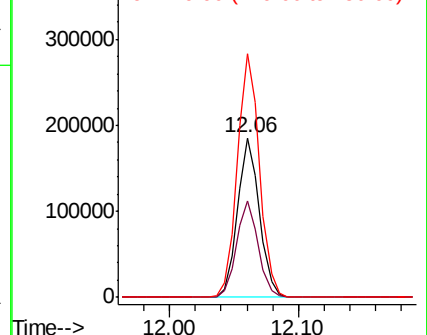
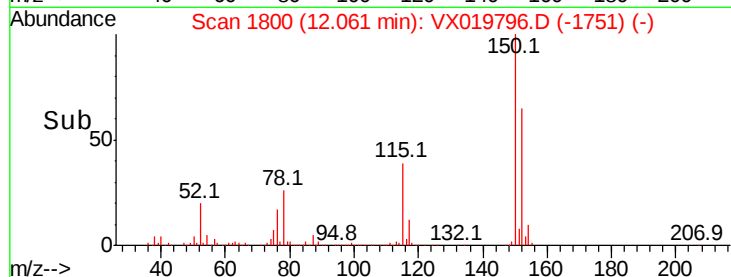
150 154.7 0.0 349.0



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: 22.479 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019796.D

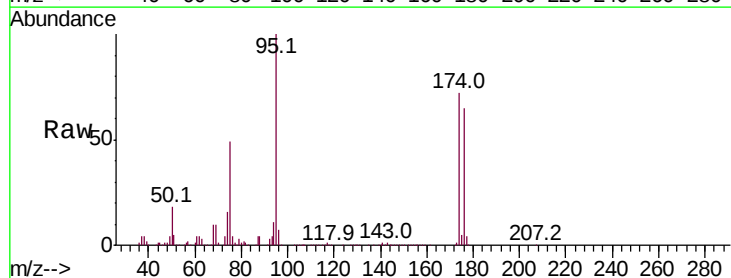
Acq: 09 Dec 2020 23:32

Tgt Ion: 75 Resp: 111149

Ion Ratio Lower Upper

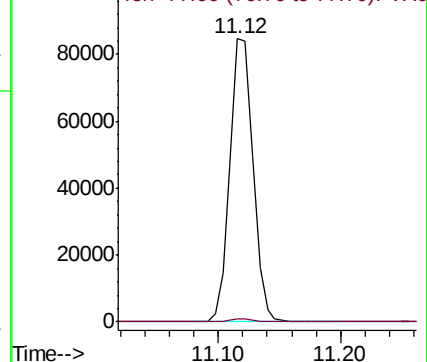
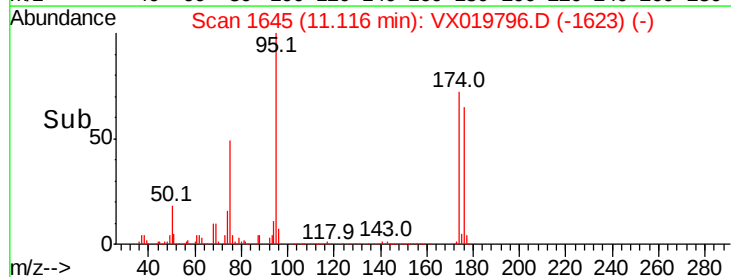
75 100

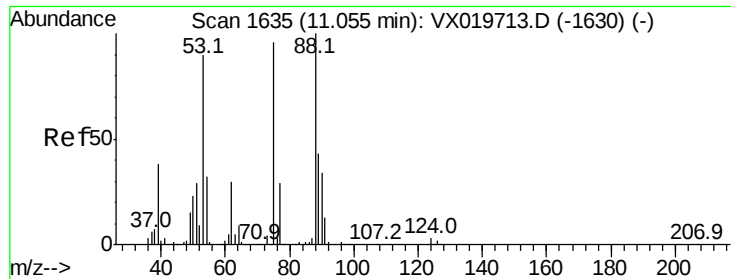
77 1.2 19.1 57.5#



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: 64.982 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019796.D

Acq: 09 Dec 2020 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL02

Tot Ion: 75 Resp: 111149

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

