

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102720\
 Data File : VX019137.D
 Acq On : 27 Oct 2020 15:29
 Operator : JC/MD
 Sample : VX1027WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1027WBL01

Quant Time: Oct 28 02:29:16 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	5.62	168	341540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	570593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	545807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	270059	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	215829	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
35) Dibromofluoromethane	5.46	113	180136	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	8.70	98	711682	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	11.12	95	268376	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	

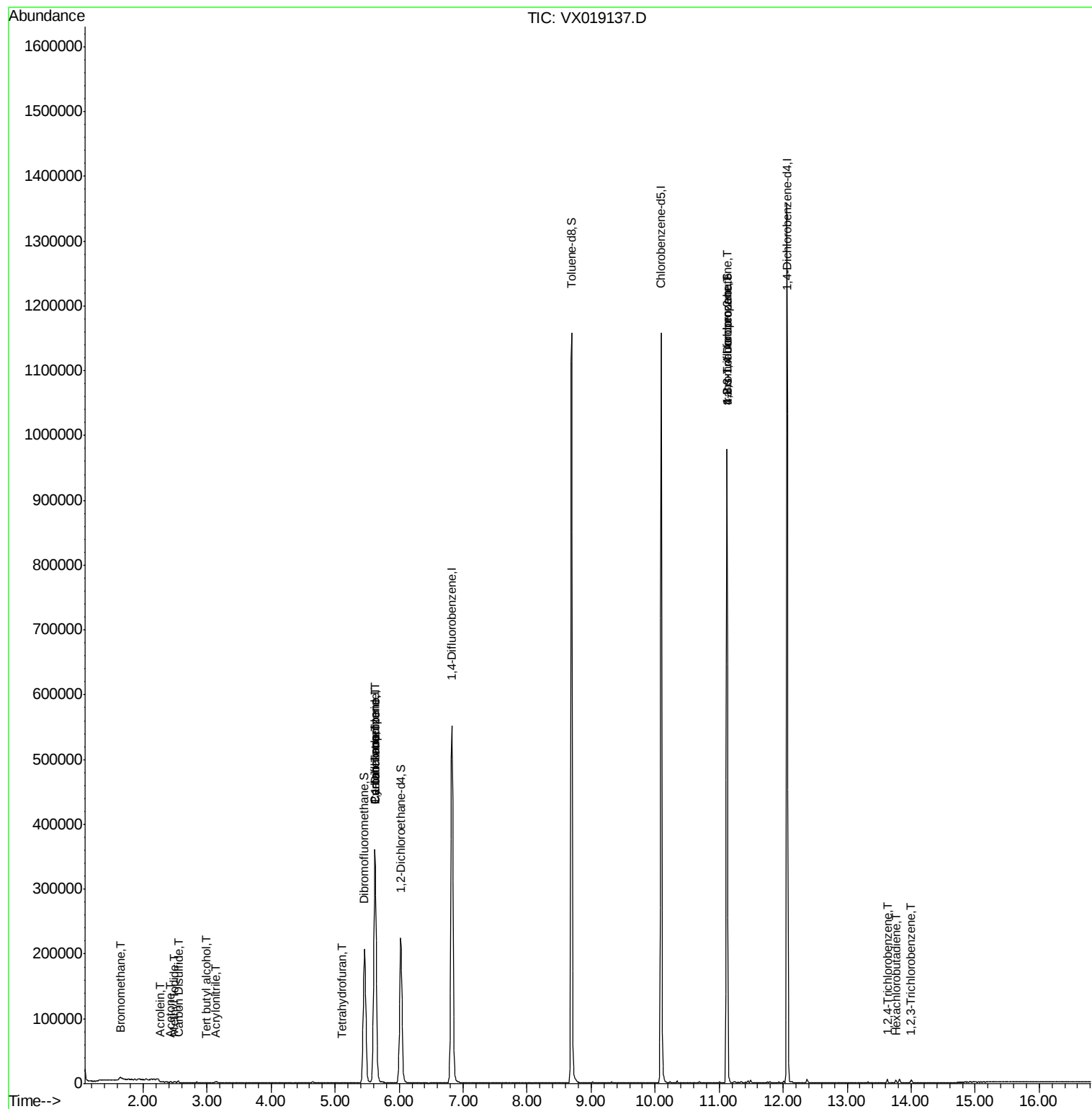
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1186	0.471	ug/l #	76
10) Methyl Iodide	2.49	142	2288	6.905	ug/l	99
11) Tert butyl alcohol	2.98	59	306	0.352	ug/l #	72
13) Acrolein	2.28	56	317	6.444	ug/l #	16
15) Acrylonitrile	3.12	53	818	0.447	ug/l	91
16) Acetone	2.42	43	1409	0.927	ug/l	91
17) Carbon Disulfide	2.55	76	3309	1.105	ug/l #	90
29) Tetrahydrofuran	5.12	42	459	0.304	ug/l #	33
31) Cyclohexane	5.62	56	7148	1.284	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	27009	5.126	ug/l #	49
38) Carbon Tetrachloride	5.62	117	34637	6.449	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	137401	24.641	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	137401	64.879	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	1407	0.221	ug/l	93
94) Hexachlorobutadiene	13.76	225	626	0.223	ug/l	93
96) 1,2,3-Trichlorobenzene	14.00	180	1349	0.218	ug/l	94

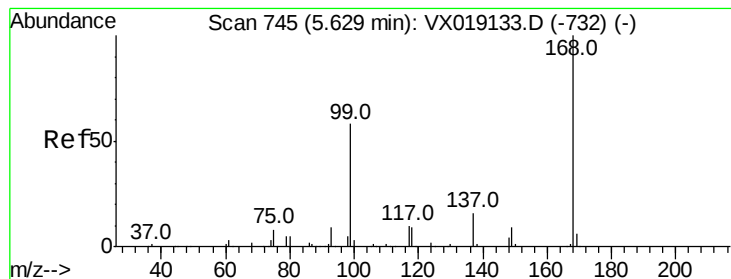
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102720\
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VX1027WBL01

Quant Time: Oct 28 02:29:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

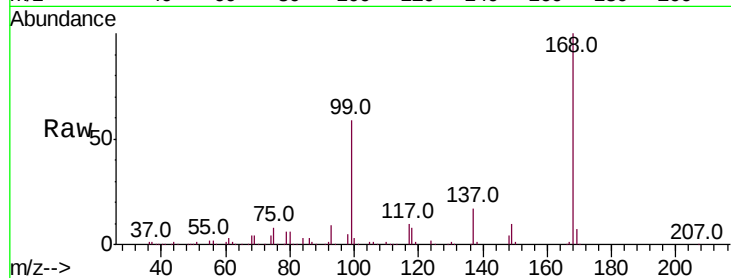
VX1027WBL01

Tot Ion:168 Resp: 341540

Ion Ratio Lower Upper

168 100

99 59.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

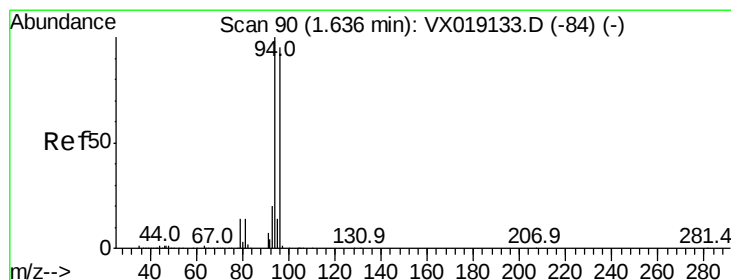
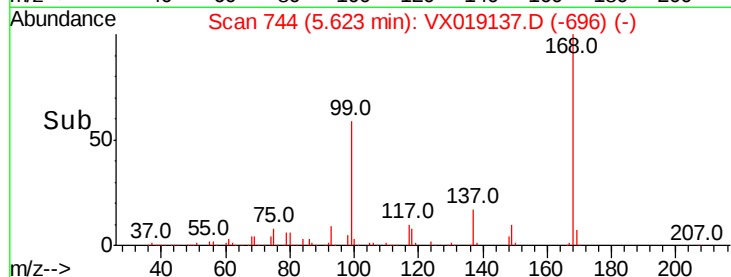
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.471 ug/l

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019137.D

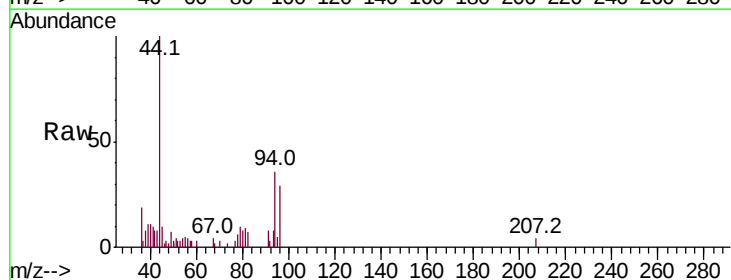
Acq: 27 Oct 2020 15:29

Tgt Ion: 94 Resp: 1186

Ion Ratio Lower Upper

94 100

96 71.9 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

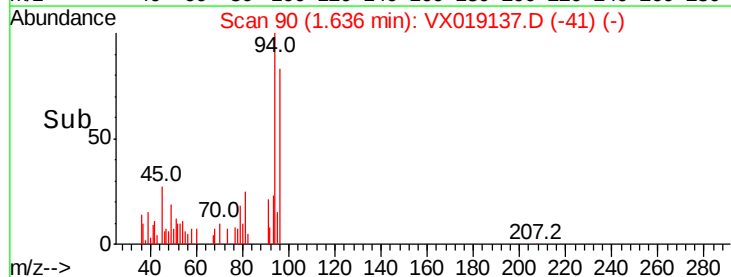
400

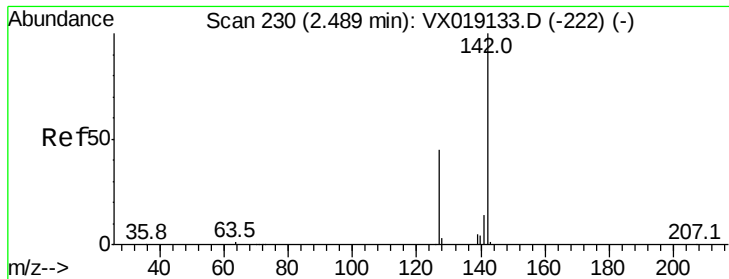
200

0

Time-->

1.60 1.65





#10

Methvl Iodide

Concen: 6.905 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

VX1027WBL01

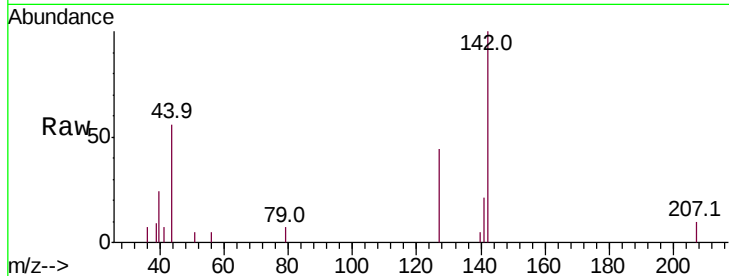
Tot Ion:142 Resp: 2288

Ion Ratio Lower Upper

142 100

127 44.6 36.1 54.1

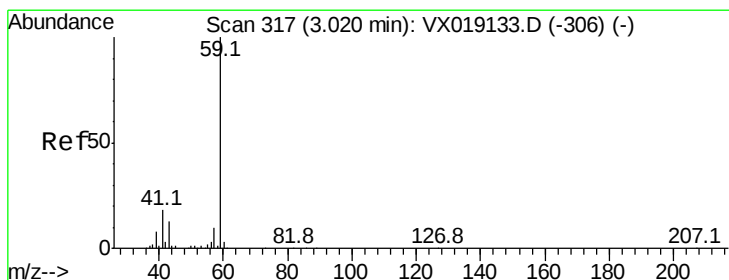
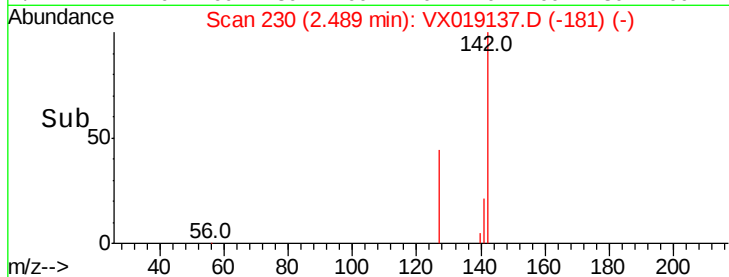
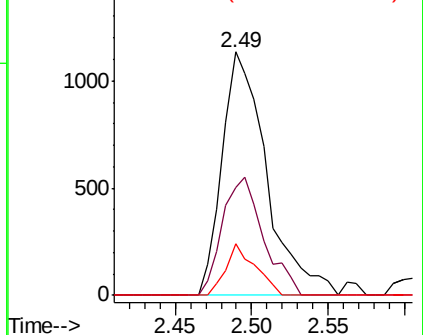
141 14.0 11.3 16.9



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



#11

Tert butyl alcohol

Concen: 0.352 ug/l

RT: 2.98 min Scan# 310

Delta R.T. -0.04 min

Lab File: VX019137.D

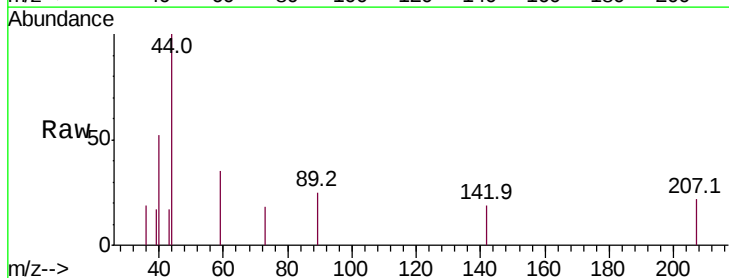
Acq: 27 Oct 2020 15:29

Tgt Ion: 59 Resp: 306

Ion Ratio Lower Upper

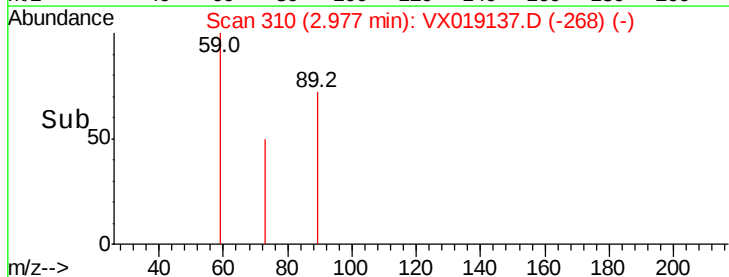
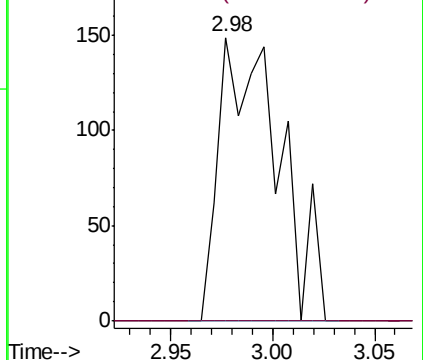
59 100

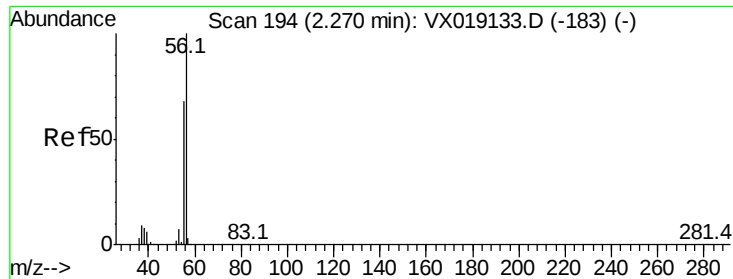
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.444 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

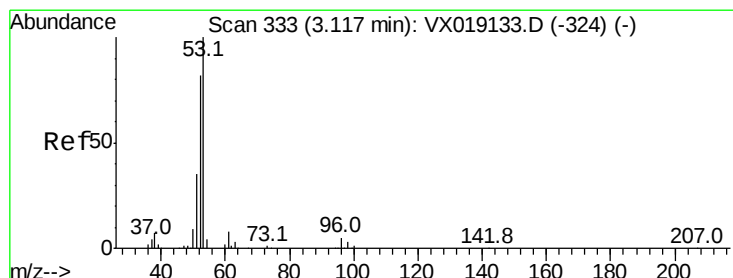
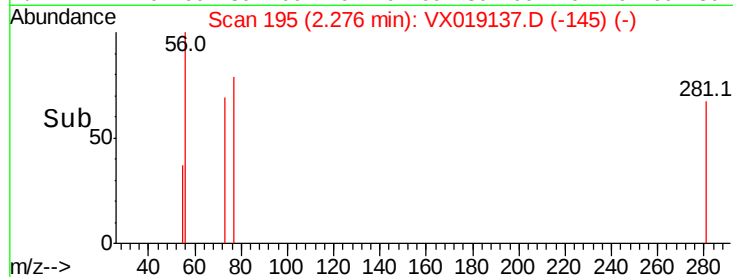
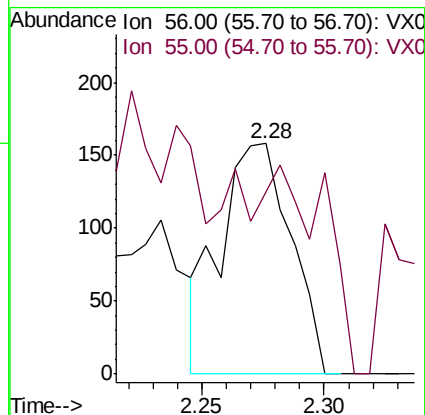
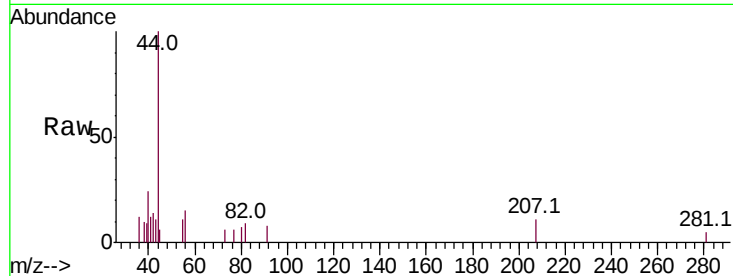
VX1027WBL01

Tot Ion: 56 Resp: 317

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#15

Acrylonitrile

Concen: 0.447 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

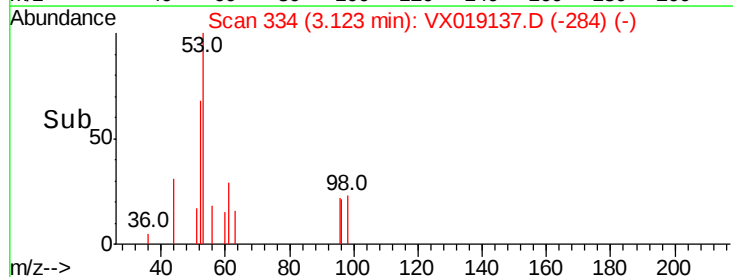
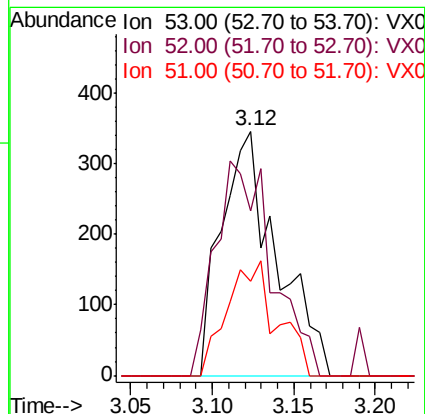
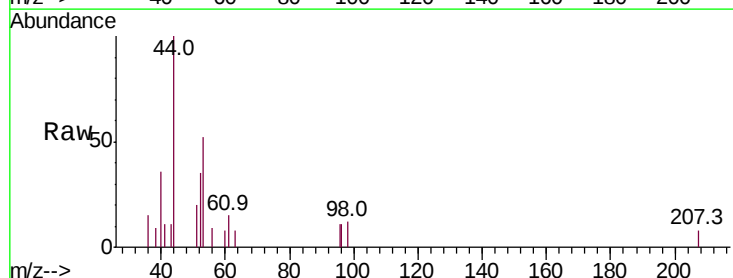
Tgt Ion: 53 Resp: 818

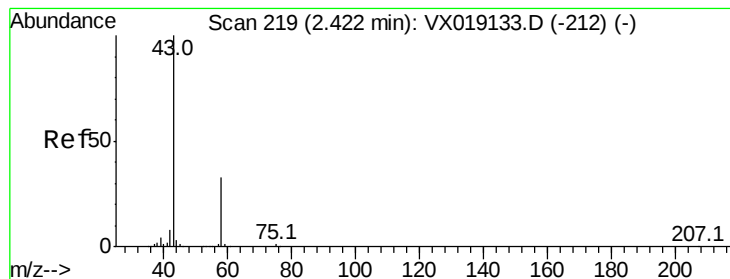
Ion Ratio Lower Upper

53 100

52 90.0 65.7 98.5

51 41.7 28.4 42.6





#16

Acetone

Concen: 0.927 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

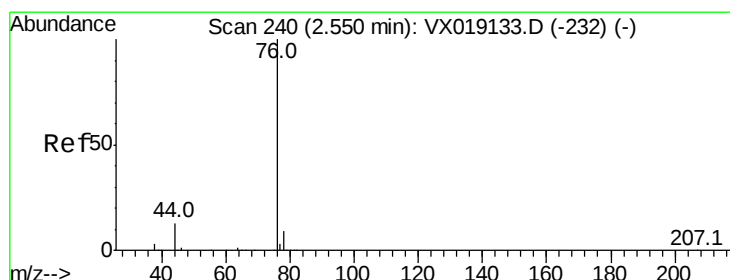
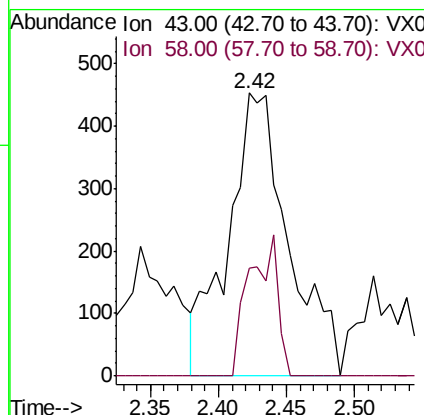
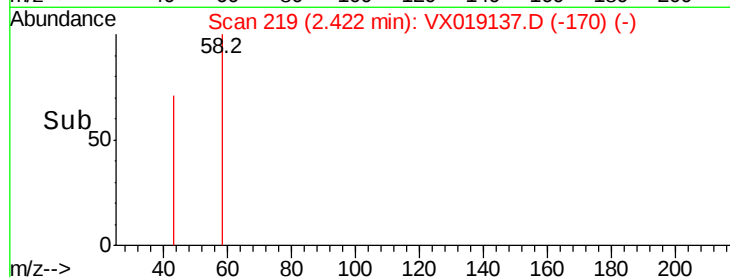
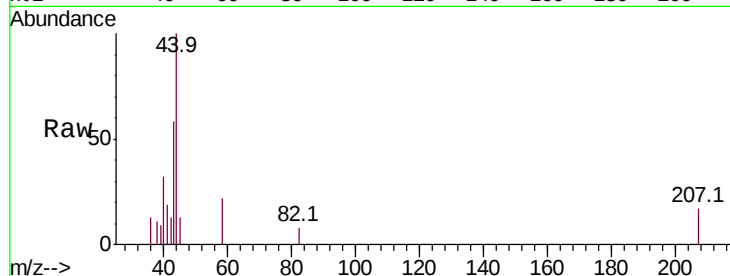
VX1027WBL01

Tot Ion: 43 Resp: 1409

Ion Ratio Lower Upper

43 100

58 38.0 26.3 39.5



#17

Carbon Disulfide

Concen: 1.105 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019137.D

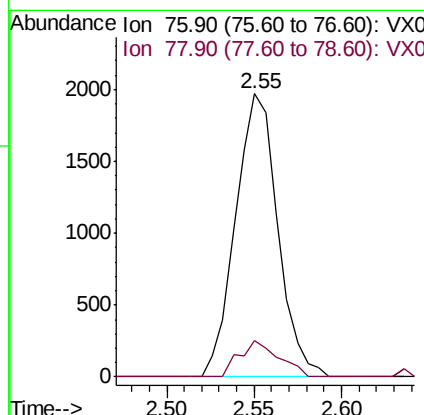
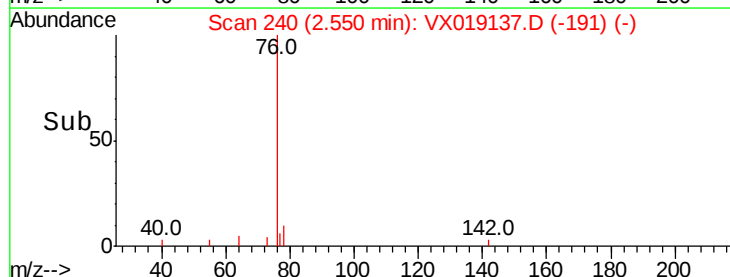
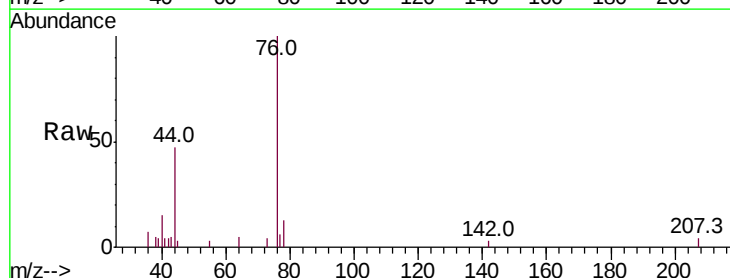
Acq: 27 Oct 2020 15:29

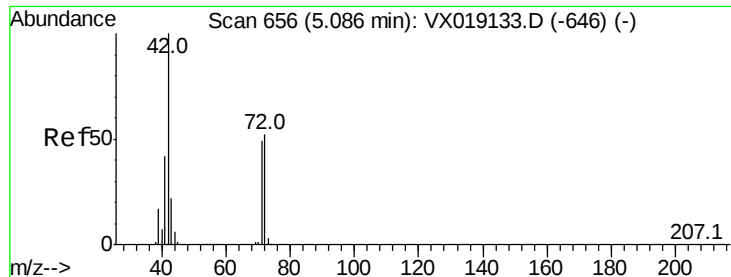
Tgt Ion: 76 Resp: 3309

Ion Ratio Lower Upper

76 100

78 12.8 7.3 10.9#

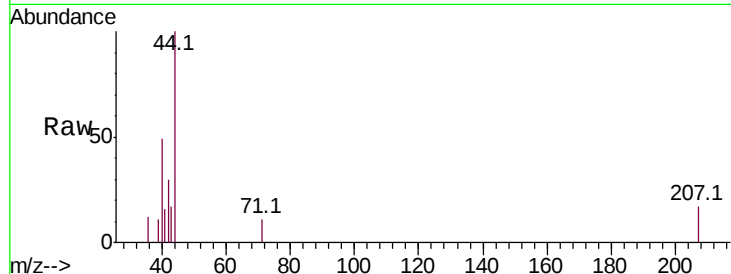




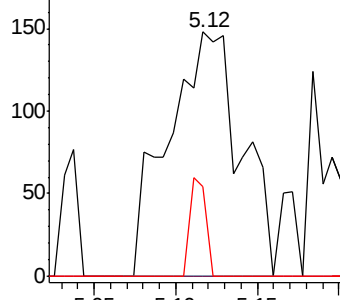
#29
Tetrahydrofuran
Concen: 0.304 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.03 min
Lab File: VX019137.D
Acq: 27 Oct 2020 15:29

Instrument :
MSVOA_X
ClientSampleId :
VX1027WBL01

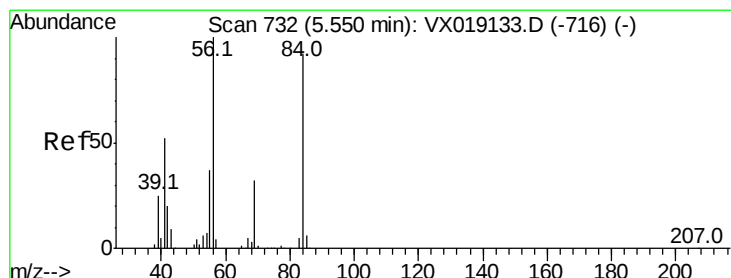
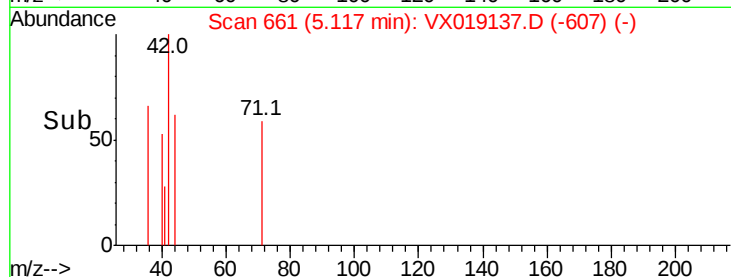
Tot Ion: 42 Resp: 459
Ion Ratio Lower Upper
42 100
72 0.0 42.6 63.8#
71 9.2 39.7 59.5#



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

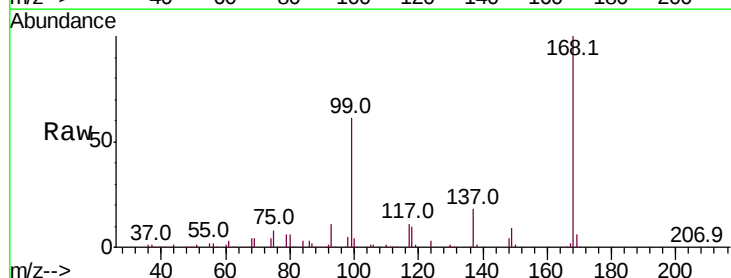


Time-->

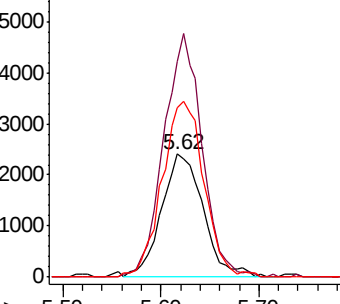


#31
Cyclohexane
Concen: 1.284 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX019137.D
Acq: 27 Oct 2020 15:29

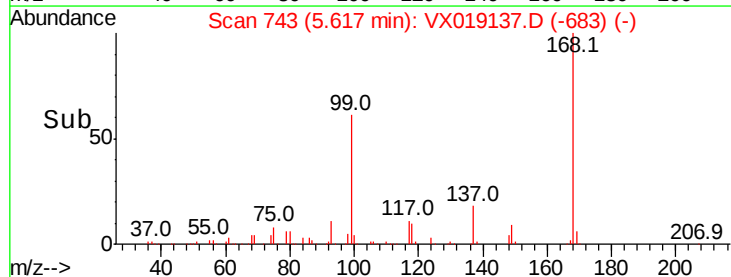
Tgt Ion: 56 Resp: 7148
Ion Ratio Lower Upper
56 100
69 173.2 25.9 38.9#
84 137.6 73.4 110.2#

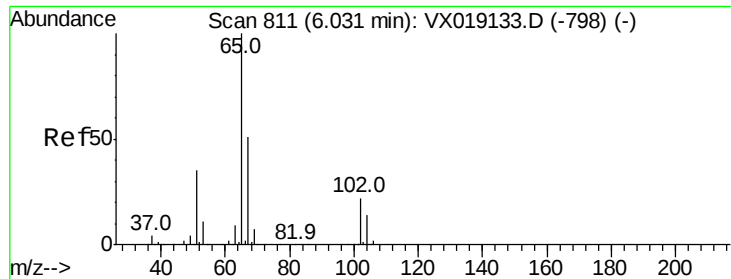


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.001 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

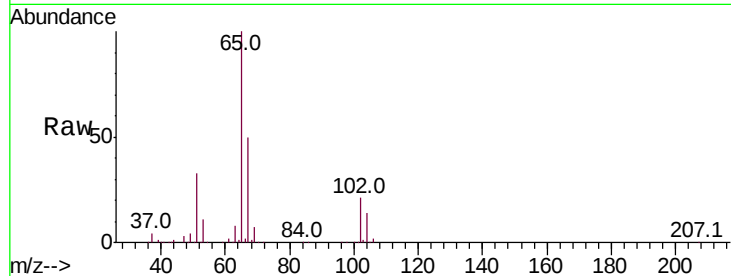
VX1027WBL01

Tot Ion: 65 Resp: 215829

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

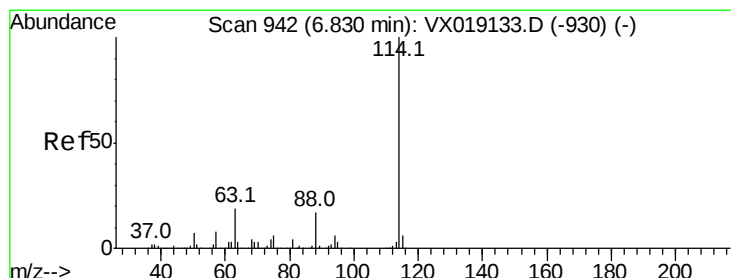
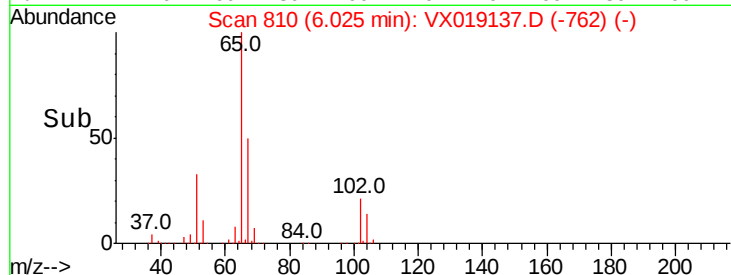
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

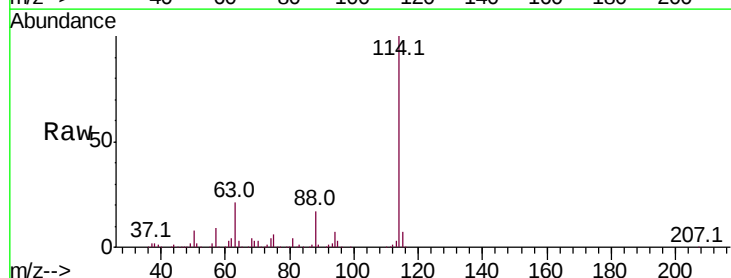
Tgt Ion: 114 Resp: 570593

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

88 16.8 0.0 34.2



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

6.82

300000

250000

200000

150000

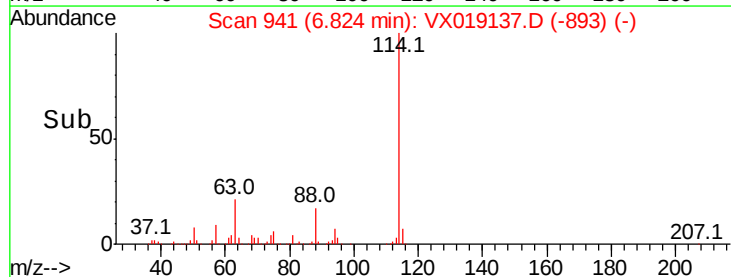
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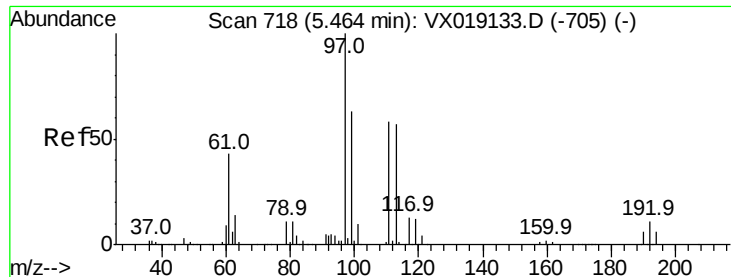
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 50.260 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

VX1027WBL01

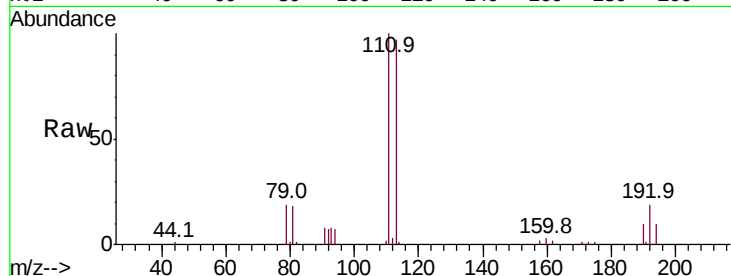
Tot Ion:113 Resp: 180136

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

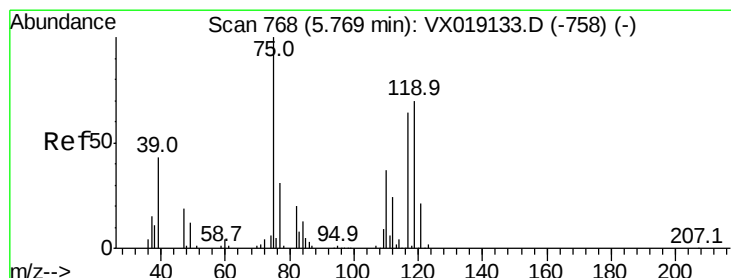
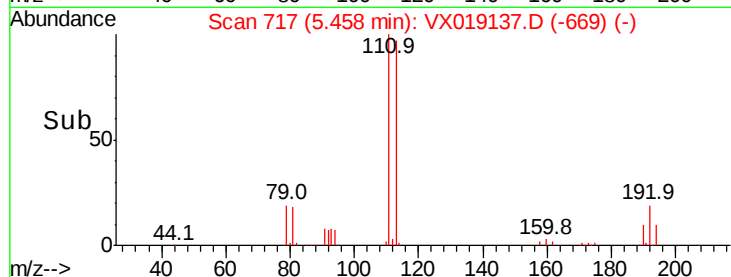
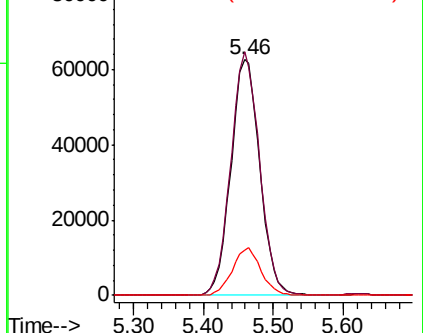
192 19.7 16.2 24.2



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: 5.126 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

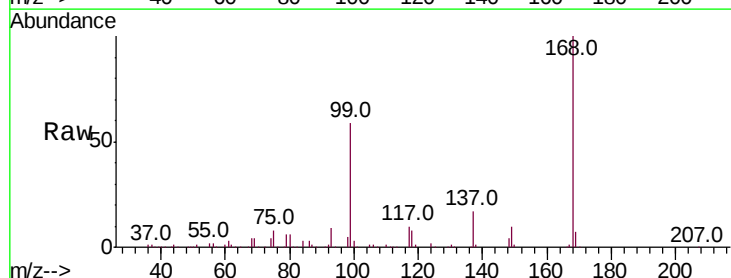
Tgt Ion: 75 Resp: 27009

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.9#

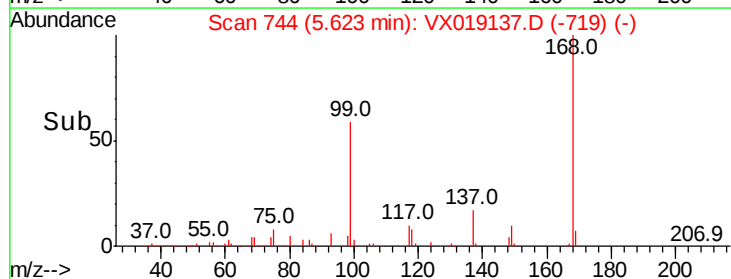
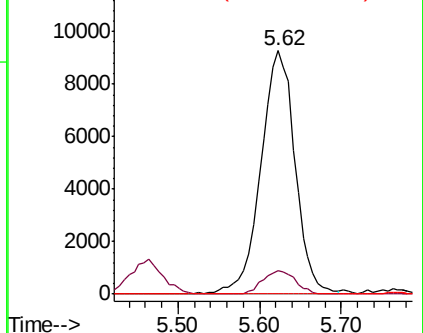
77 0.0 24.9 37.3#

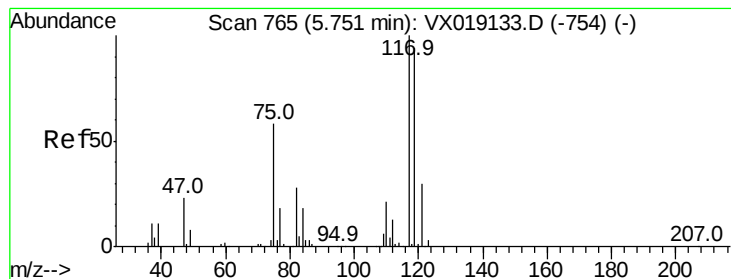


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.449 ug/l

RT: 5.62 min Scan# 743

Delta R.T. -0.13 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

VX1027WBL01

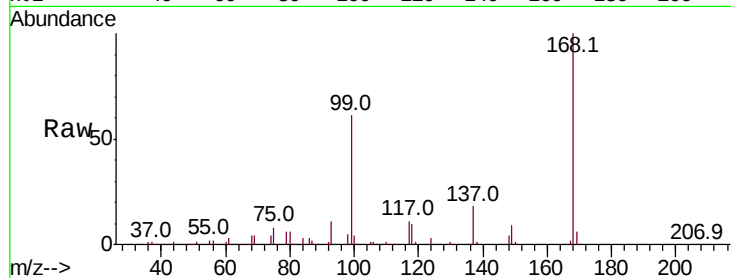
Tot Ion:117 Resp: 34637

Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.6#

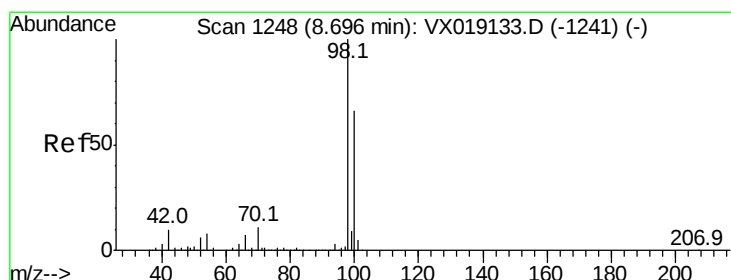
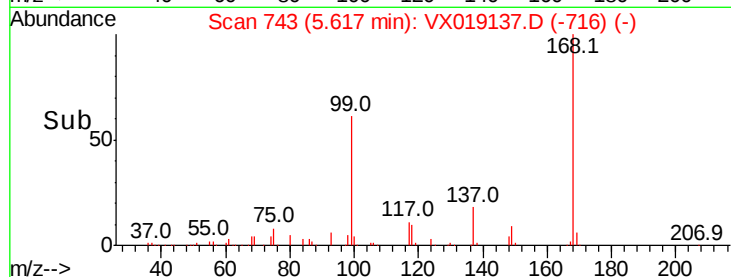
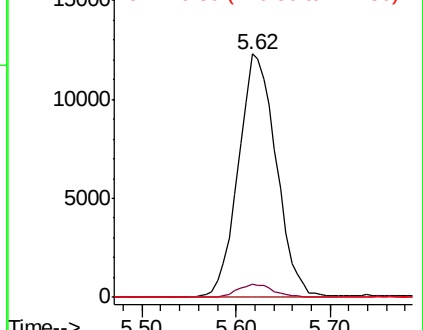
121 0.0 23.9 35.9#



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: 52.675 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019137.D

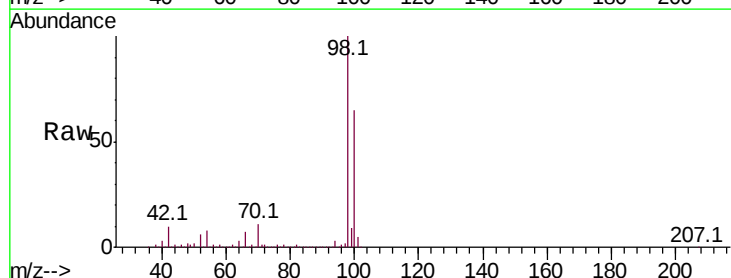
Acq: 27 Oct 2020 15:29

Tgt Ion: 98 Resp: 711682

Ion Ratio Lower Upper

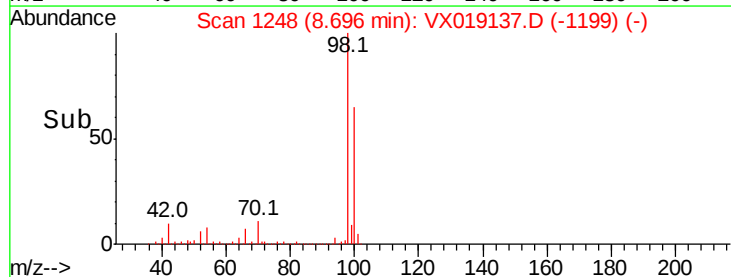
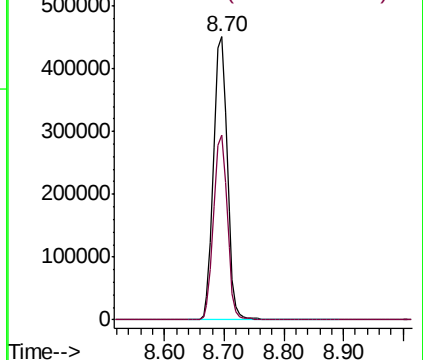
98 100

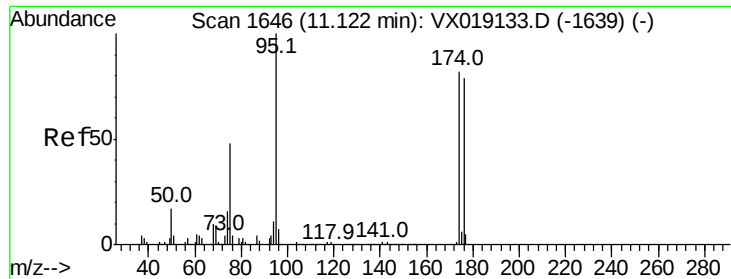
100 65.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.452 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

VX1027WBL01

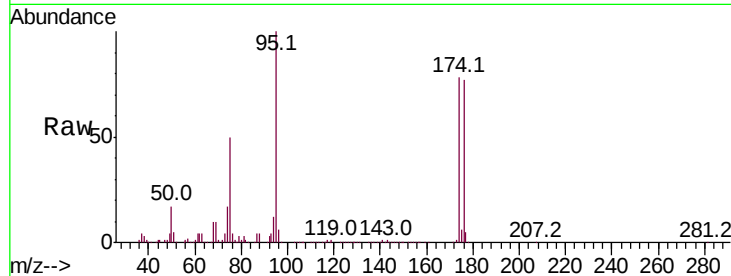
Tot Ion: 95 Resp: 268376

Ion Ratio Lower Upper

95 100

174 78.2 0.0 156.0

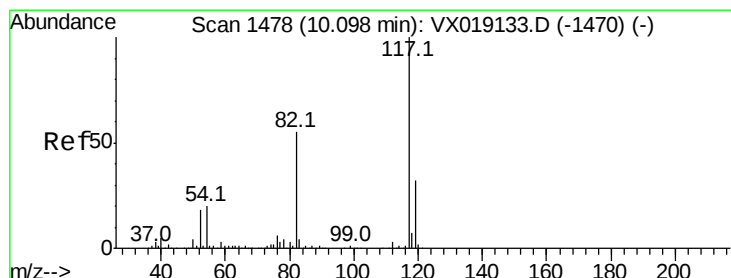
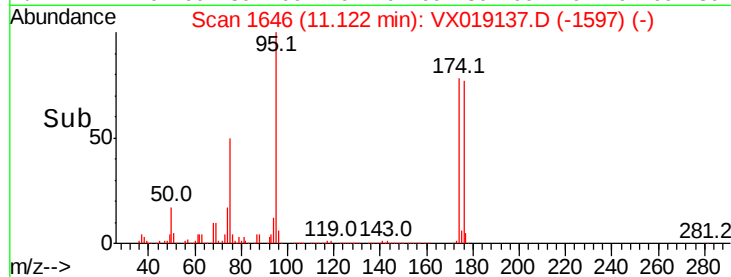
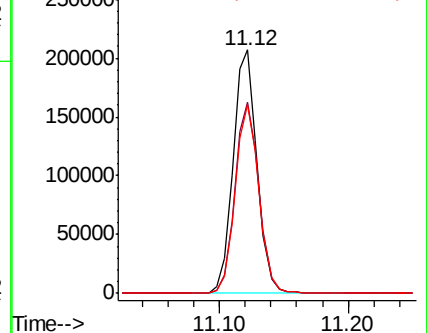
176 76.8 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

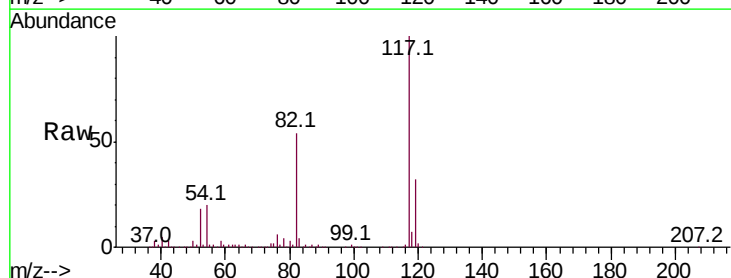
Tgt Ion: 117 Resp: 545807

Ion Ratio Lower Upper

117 100

82 53.7 43.6 65.4

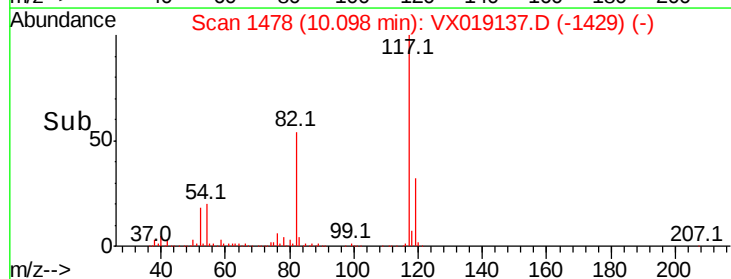
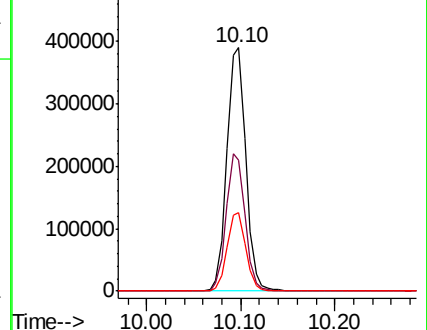
119 32.3 25.5 38.3

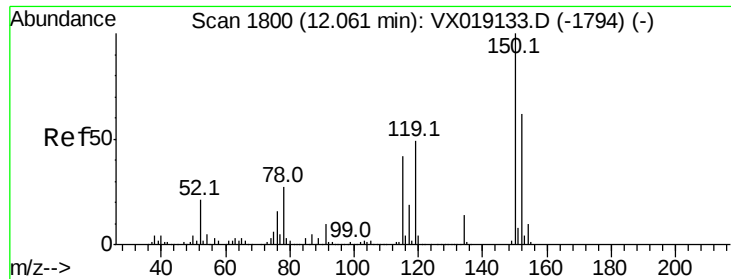


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

VX1027WBL01

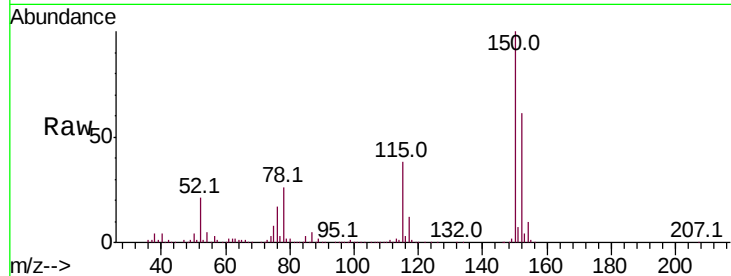
Tot Ion:152 Resp: 270059

Ion Ratio Lower Upper

152 100

115 61.0 41.9 125.7

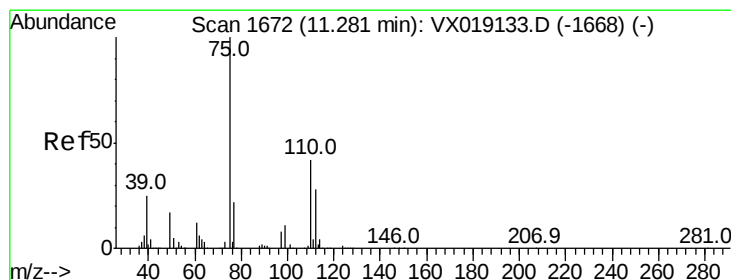
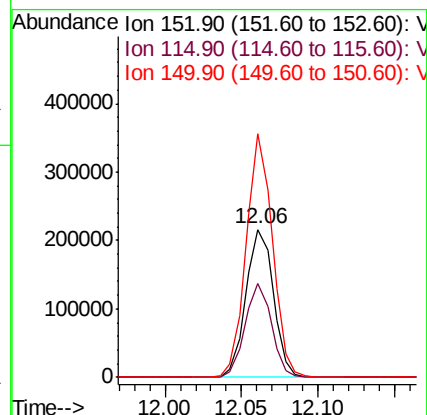
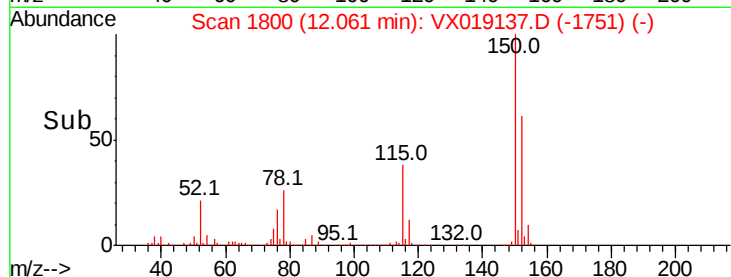
150 156.9 0.0 347.8



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: 24.641 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019137.D

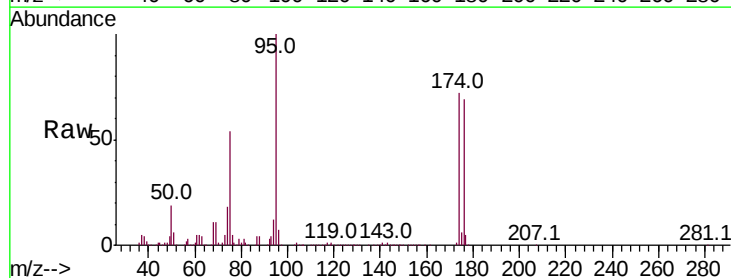
Acq: 27 Oct 2020 15:29

Tgt Ion: 75 Resp: 137401

Ion Ratio Lower Upper

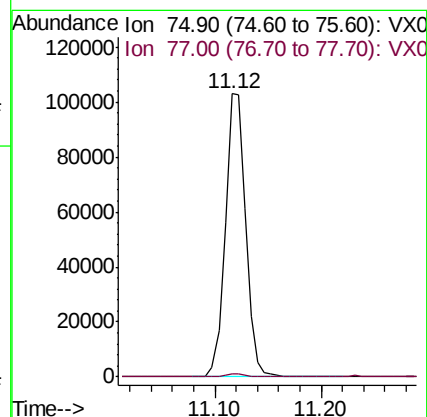
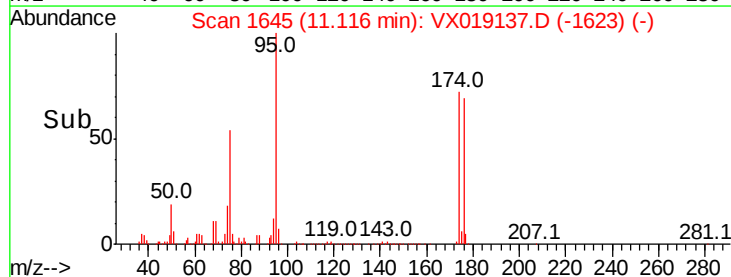
75 100

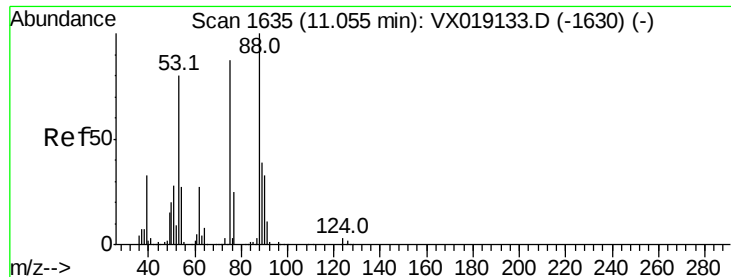
77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

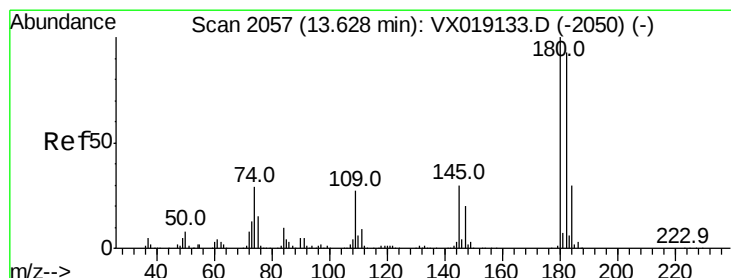
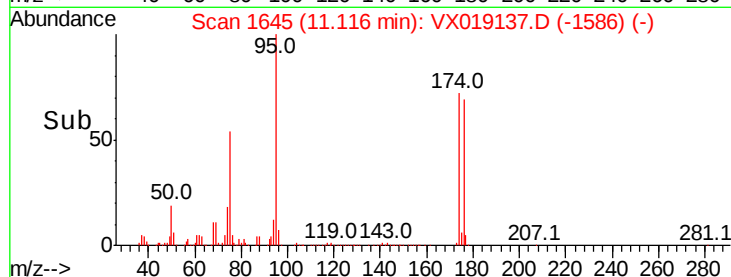
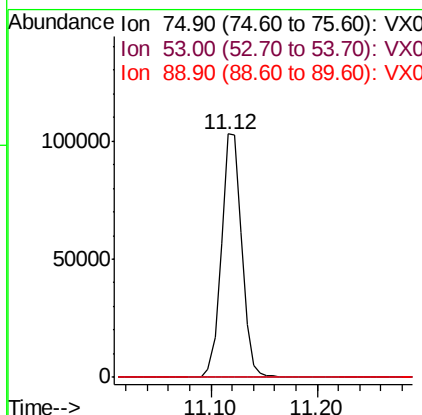
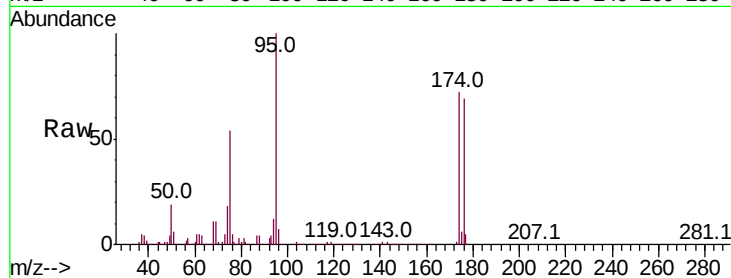




#81
trans-1,4-Dichloro-2-butene
Concen: 64.879 ug/l
RT: 11.12 min Scan# 1645
Delta R.T. 0.06 min
Lab File: VX019137.D
Acq: 27 Oct 2020 15:29

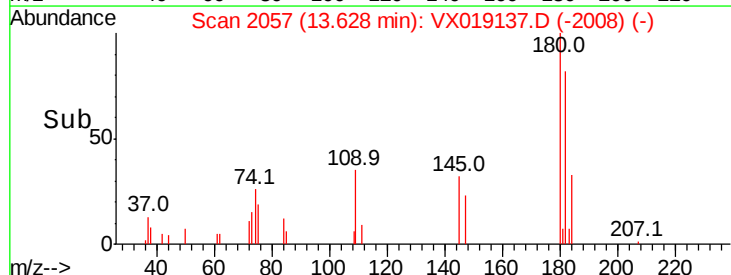
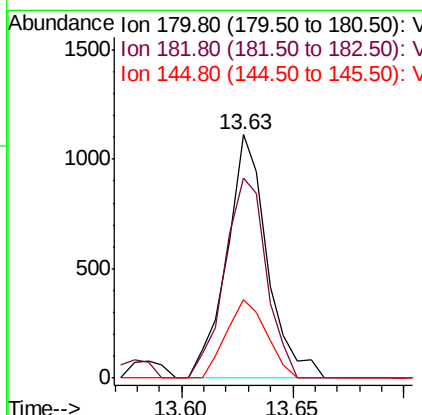
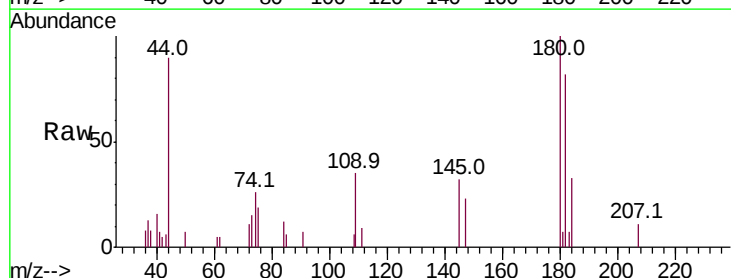
Instrument :
MSVOA_X
ClientSampled :
VX1027WBL01

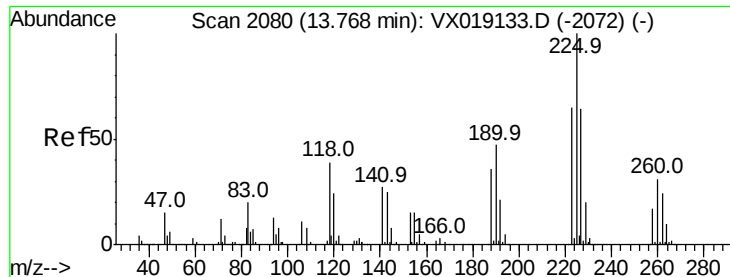
Tot Ion: 75 Resp: 137401
Ion Ratio Lower Upper
75 100
53 0.0 73.3 109.9#
89 0.0 38.2 57.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.221 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX019137.D
Acq: 27 Oct 2020 15:29

Tgt Ion:180 Resp: 1407
Ion Ratio Lower Upper
180 100
182 84.7 46.8 140.3
145 32.0 15.5 46.5





#94

Hexachlorobutadiene

Concen: 0.223 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

VX1027WBL01

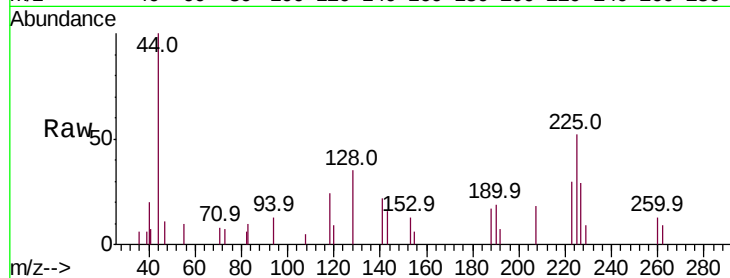
Tot Ion:225 Resp: 626

Ion Ratio Lower Upper

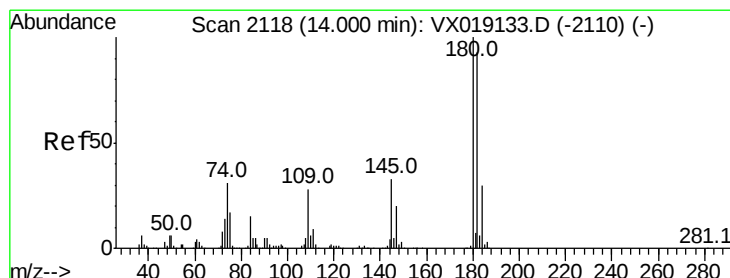
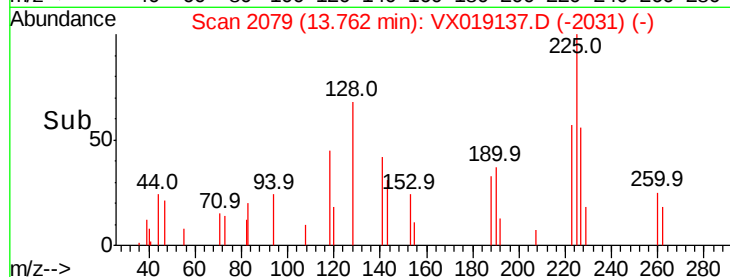
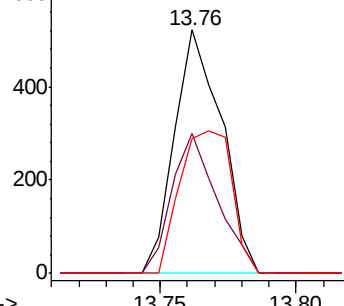
225 100

223 55.3 32.4 97.2

227 64.7 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.218 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019137.D

Acq: 27 Oct 2020 15:29

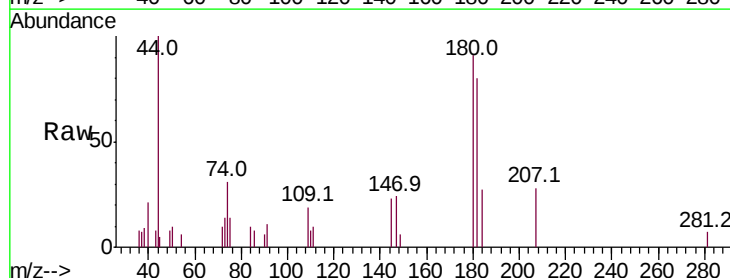
Tgt Ion:180 Resp: 1349

Ion Ratio Lower Upper

180 100

182 102.9 47.8 143.3

145 32.2 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

