

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052720\
 Data File : VX016453.D
 Acq On : 27 May 2020 18:22
 Operator : JC/SP
 Sample : VX0527WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBL01

Quant Time: May 28 02:56:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	274531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	442173	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	446151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225108	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	163717	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
35) Dibromofluoromethane	5.47	113	127493	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	8.70	98	559052	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
62) 4-Bromofluorobenzene	11.12	95	225909	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	

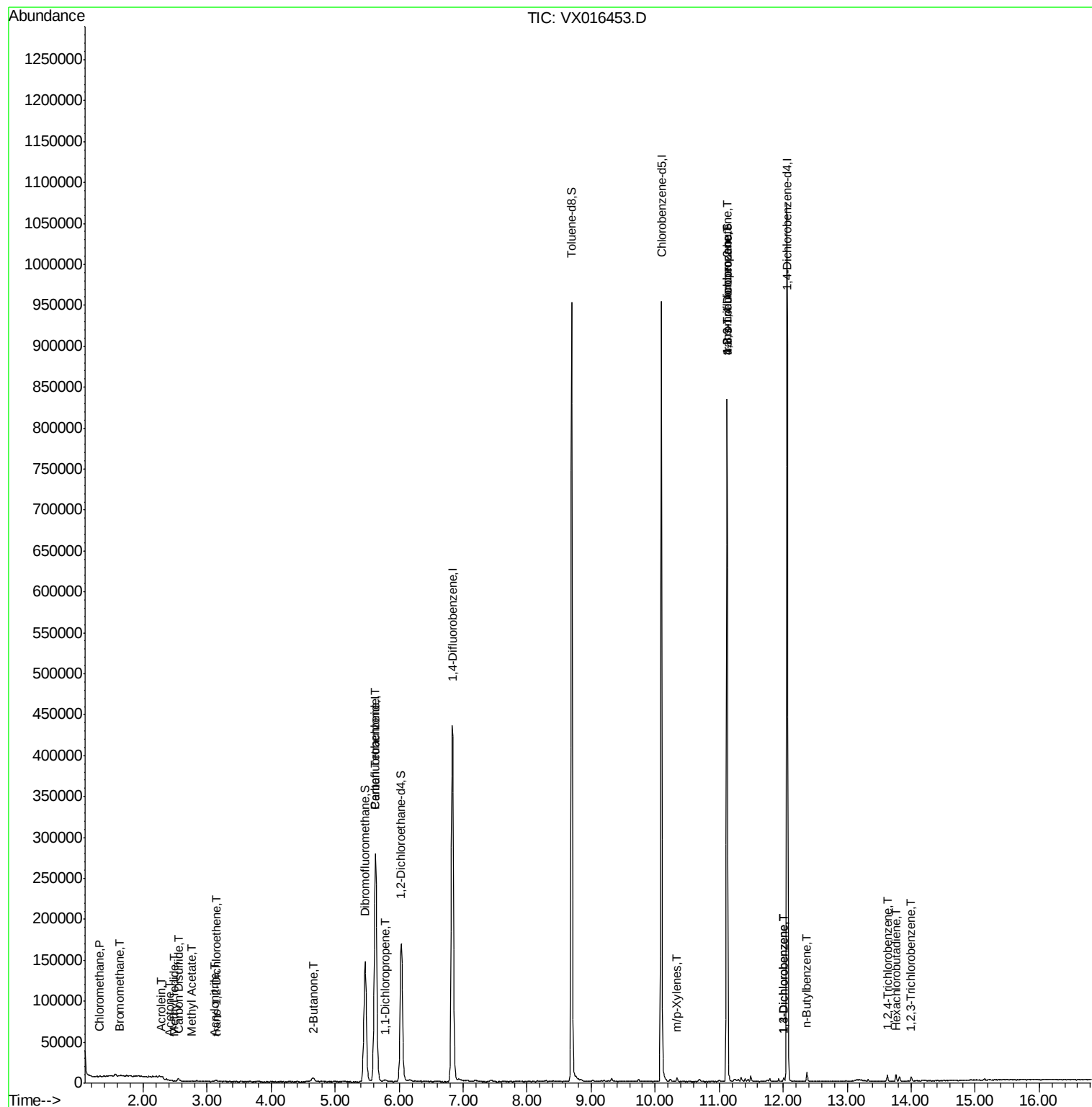
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	660	0.202	ug/l #	66
5) Bromomethane	1.64	94	687	0.409	ug/l	84
10) Methyl Iodide	2.49	142	474	3.205	ug/l #	86
13) Acrolein	2.28	56	673	1.810	ug/l #	76
15) Acrylonitrile	3.12	53	1008	0.563	ug/l	89
16) Acetone	2.41	43	536	0.359	ug/l #	42
17) Carbon Disulfide	2.55	76	4471	0.570	ug/l	95
18) Methyl Acetate	2.76	43	921	0.240	ug/l #	64
21) trans-1,2-Dichloroethene	3.15	96	811	0.278	ug/l #	82
25) 2-Butanone	4.65	43	727	0.287	ug/l #	49
36) 1,1-Dichloropropene	5.78	75	1040	0.248	ug/l #	87
38) Carbon Tetrachloride	5.63	117	26775	6.086	ug/l #	17
68) m/p-Xylenes	10.34	106	1278	0.213	ug/l	90
76) 1,2,3-Trichloropropane	11.12	75	109392	22.108	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	109392	54.383	ug/l #	14
87) 1,3-Dichlorobenzene	12.01	146	1918	0.271	ug/l	92
88) 1,4-Dichlorobenzene	12.01	146	1918	0.265	ug/l	94
89) n-Butylbenzene	12.37	91	3163	0.290	ug/l	95
93) 1,2,4-Trichlorobenzene	13.63	180	1975	0.433	ug/l	94
94) Hexachlorobutadiene	13.76	225	1274	0.712	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	1392	0.312	ug/l	97

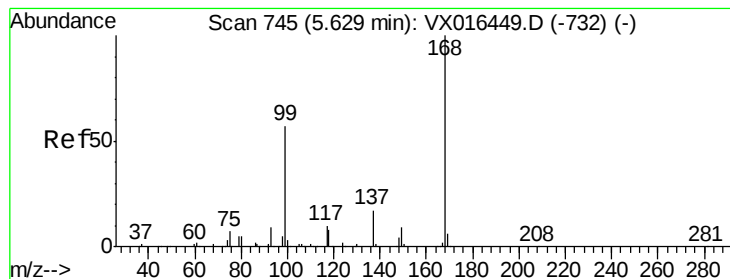
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052720\
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Quant Time: May 28 02:56:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

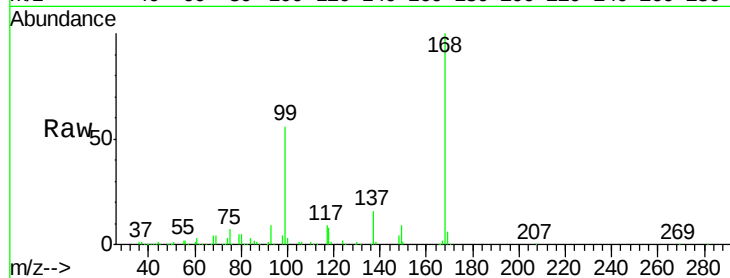
VX0527WBL01

Tot Ion:168 Resp: 274531

Ion Ratio Lower Upper

168 100

99 56.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

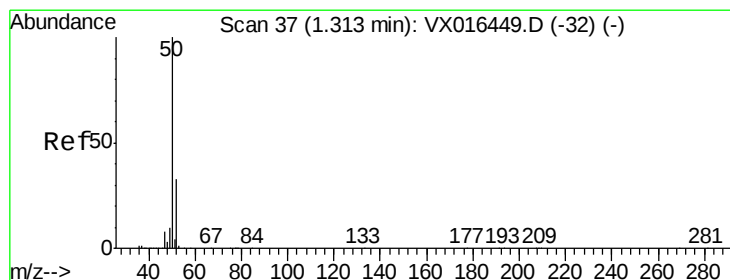
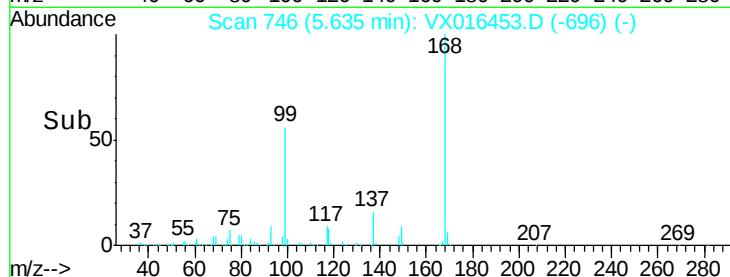
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016453.D

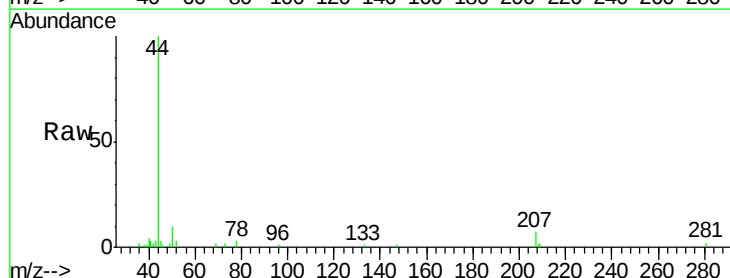
Acq: 27 May 2020 18:22

Tgt Ion: 50 Resp: 660

Ion Ratio Lower Upper

50 100

52 13.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

500

400

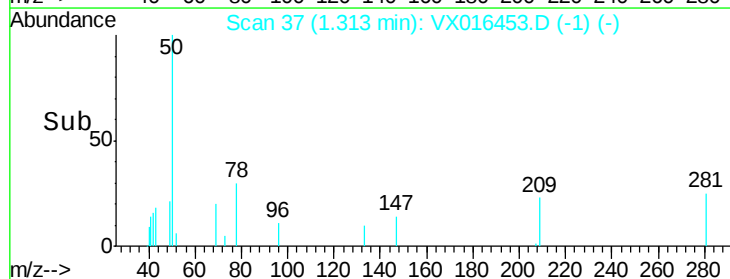
300

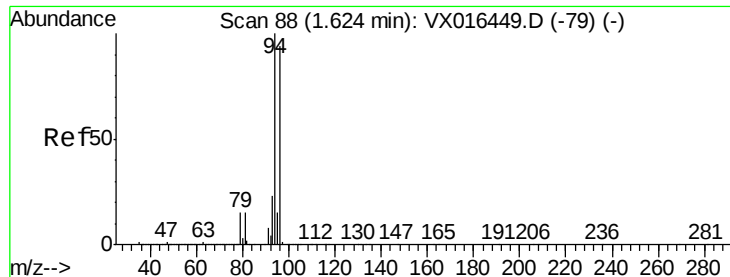
200

100

0

Time-->





#5

Bromomethane

Concen: 0.409 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

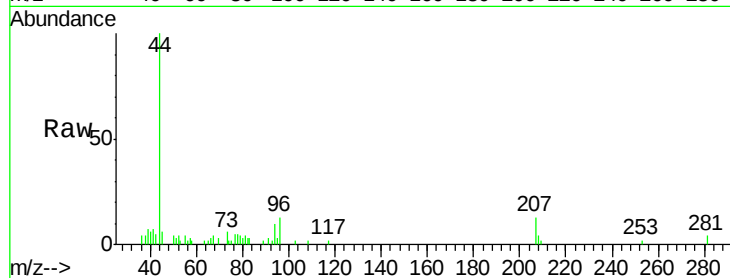
VX0527WBL01

Tot Ion: 94 Resp: 687

Ion Ratio Lower Upper

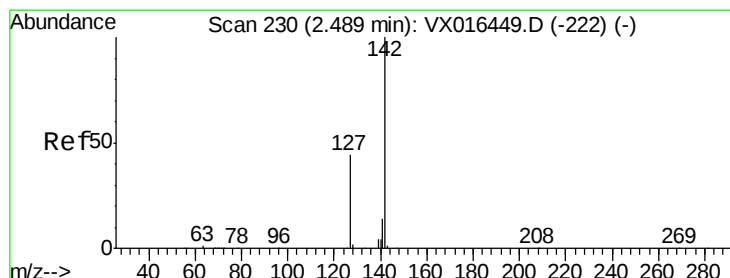
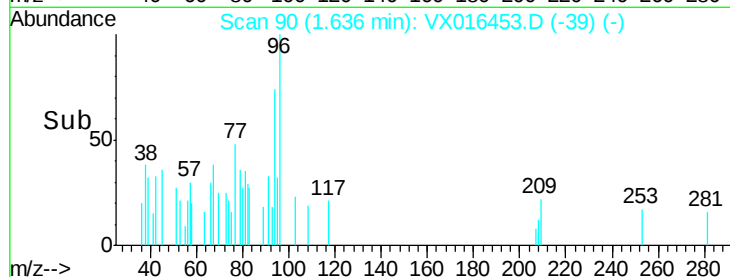
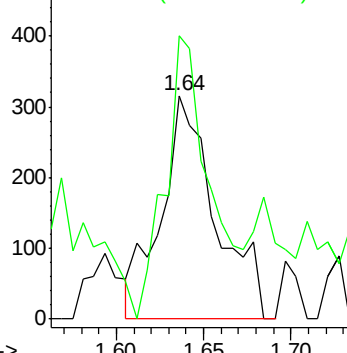
94 100

96 109.8 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 3.205 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

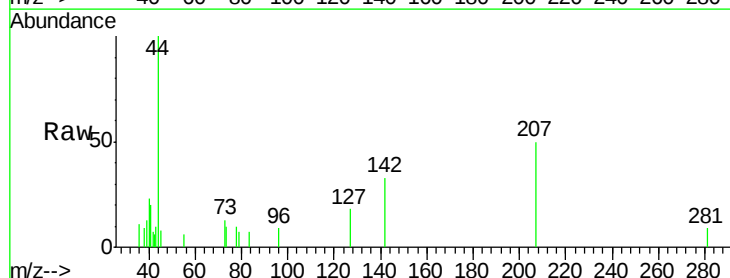
Tgt Ion: 142 Resp: 474

Ion Ratio Lower Upper

142 100

127 39.2 35.3 52.9

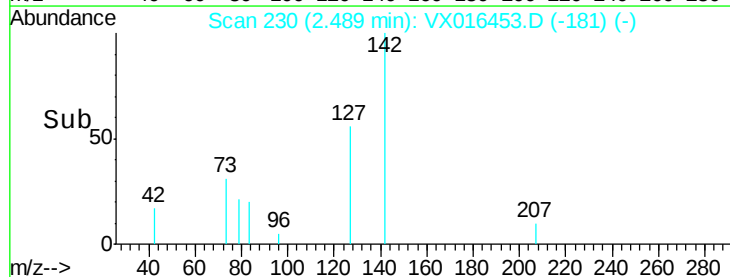
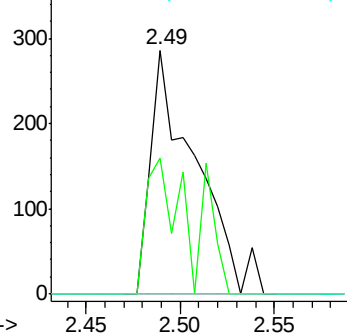
141 0.0 11.4 17.2#

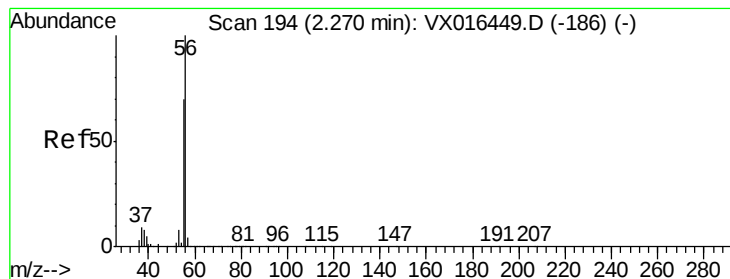


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 1.810 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

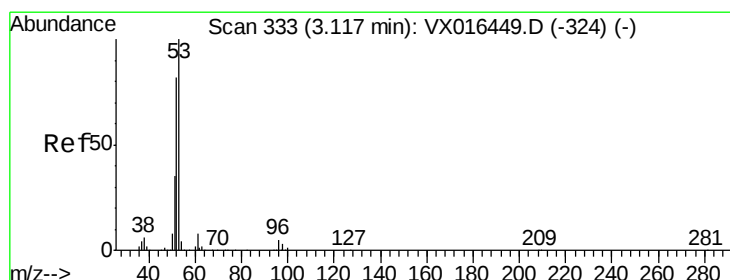
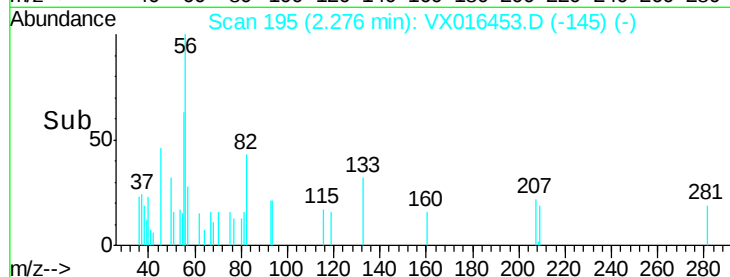
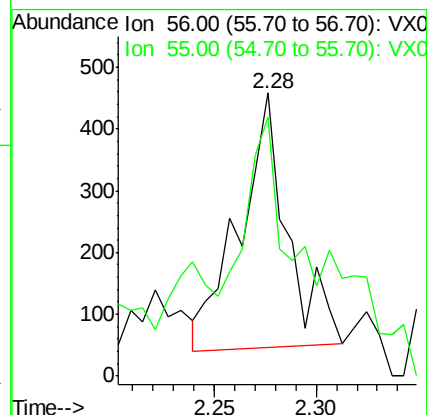
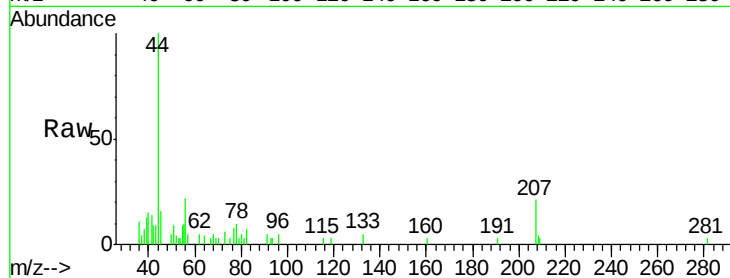
VX0527WBL01

Tot Ion: 56 Resp: 673

Ion Ratio Lower Upper

56 100

55 52.6 58.3 87.5#



#15

Acrylonitrile

Concen: 0.563 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

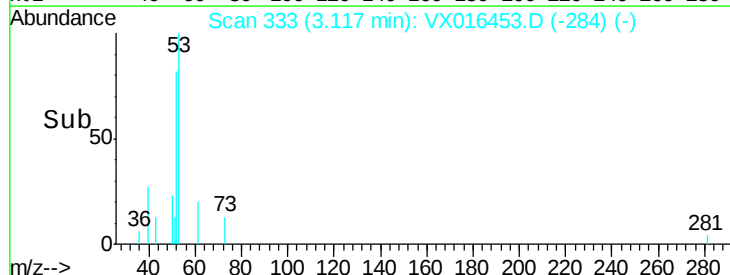
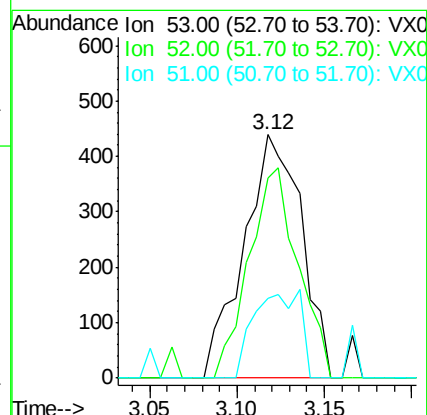
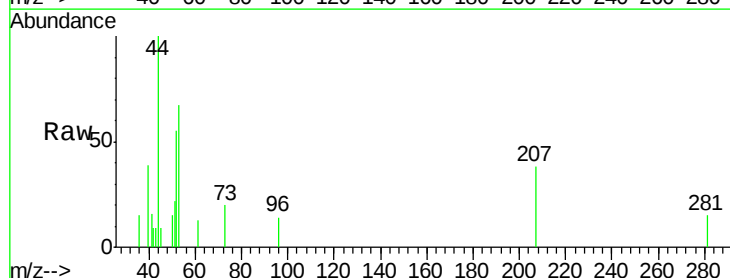
Tgt Ion: 53 Resp: 1008

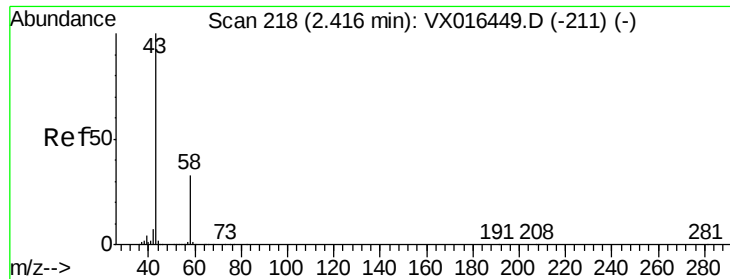
Ion Ratio Lower Upper

53 100

52 73.6 66.7 100.1

51 28.7 28.6 43.0





#16

Acetone

Concen: 0.359 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

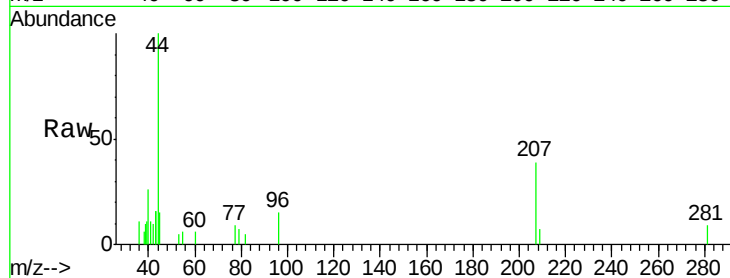
VX0527WBL01

Tot Ion: 43 Resp: 536

Ion Ratio Lower Upper

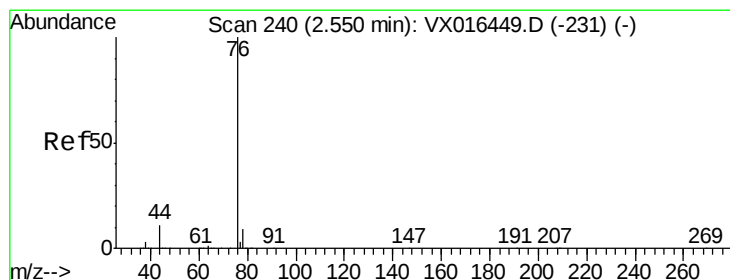
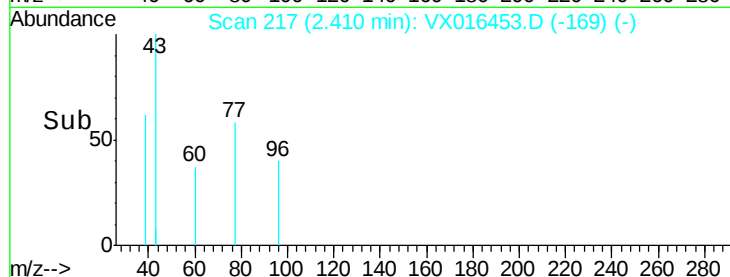
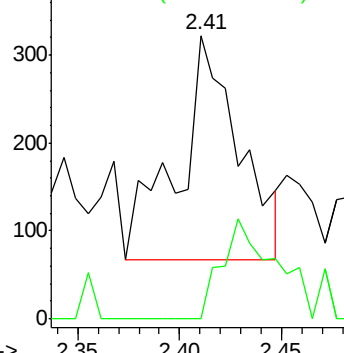
43 100

58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.570 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016453.D

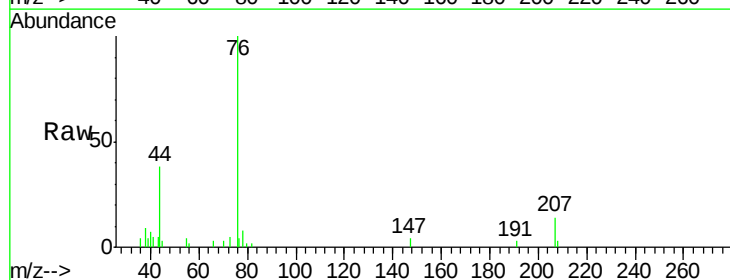
Acq: 27 May 2020 18:22

Tgt Ion: 76 Resp: 4471

Ion Ratio Lower Upper

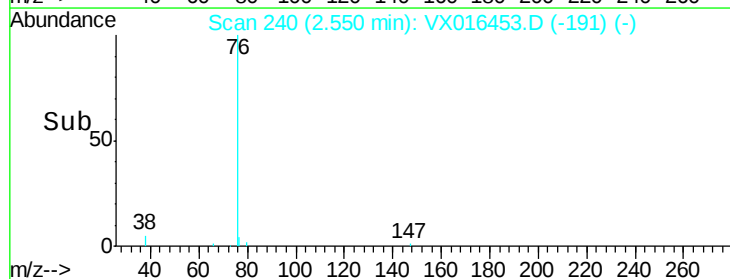
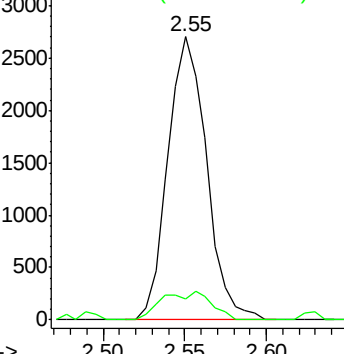
76 100

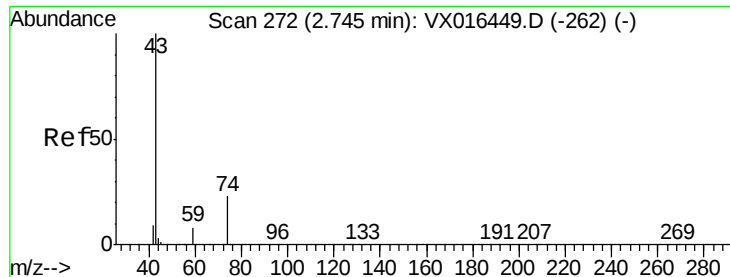
78 7.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

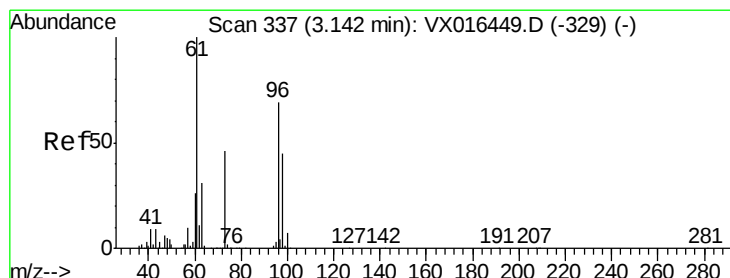
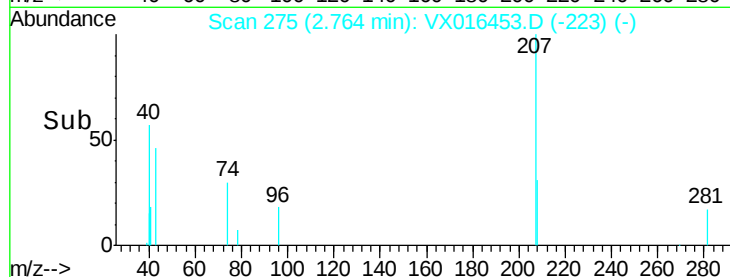
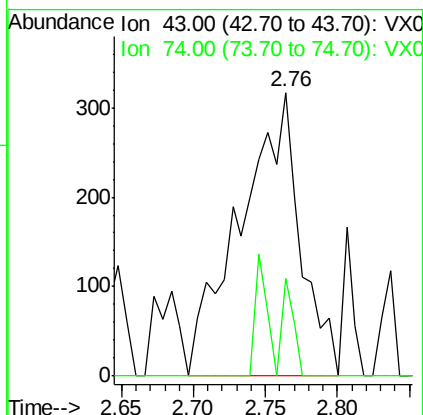
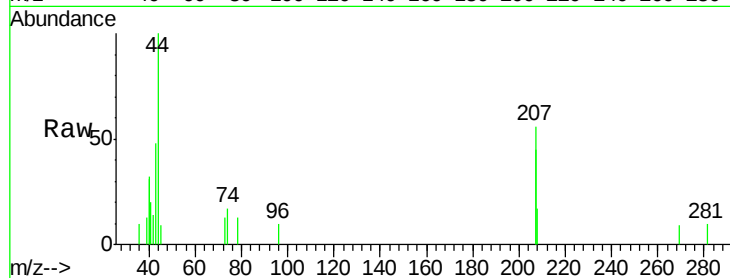




#18
Methyl Acetate
Concen: 0.240 ug/l
RT: 2.76 min Scan# 275
Delta R.T. 0.02 min
Lab File: VX016453.D
Acq: 27 May 2020 18:22

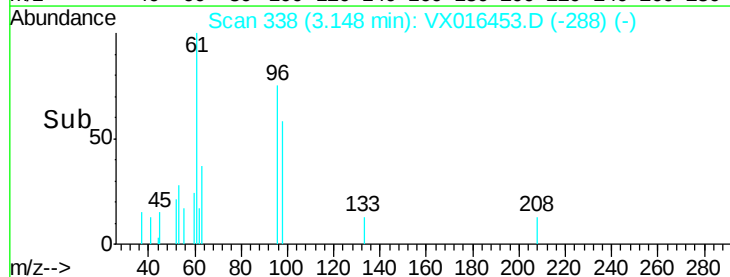
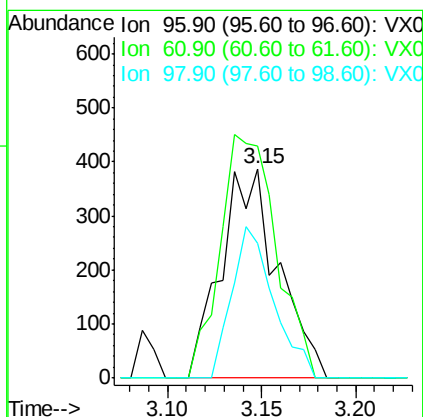
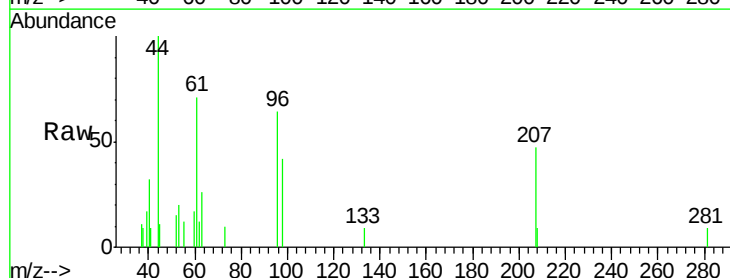
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBL01

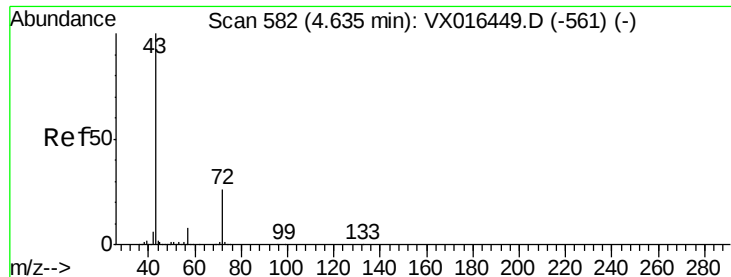
Tot Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
74 6.6 19.7 29.5#



#21
trans-1,2-Dichloroethene
Concen: 0.278 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016453.D
Acq: 27 May 2020 18:22

Tgt Ion: 96 Resp: 811
Ion Ratio Lower Upper
96 100
61 111.1 115.3 172.9#
98 64.6 51.9 77.9





#25

2-Butanone

Concen: 0.287 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

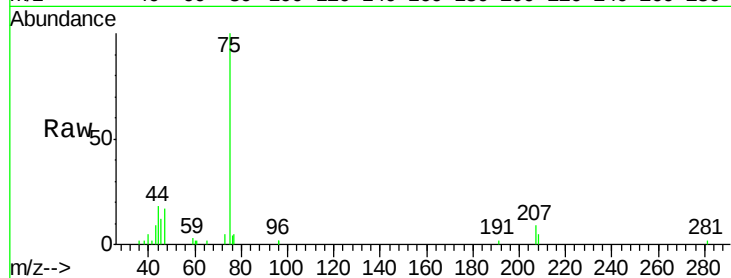
VX0527WBL01

Tot Ion: 43 Resp: 727

Ion Ratio Lower Upper

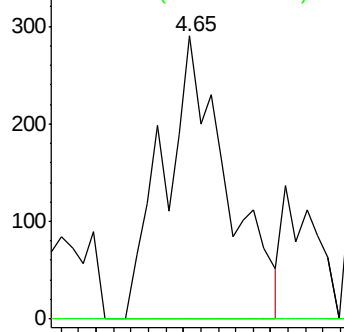
43 100

72 0.0 21.0 31.6#

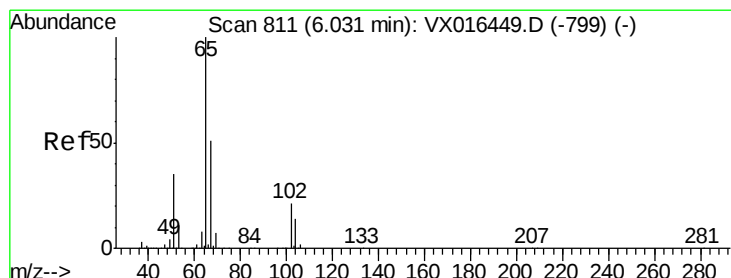
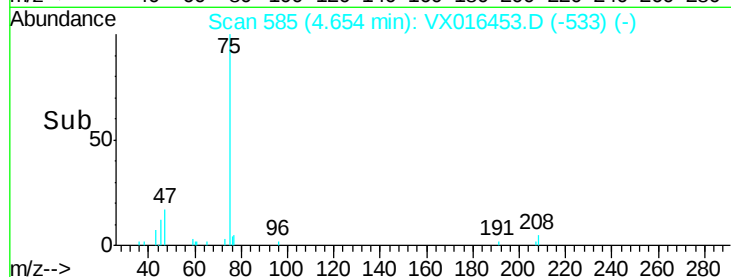


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.020 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016453.D

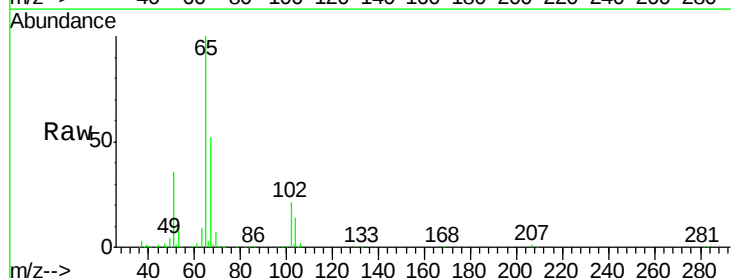
Acq: 27 May 2020 18:22

Tgt Ion: 65 Resp: 163717

Ion Ratio Lower Upper

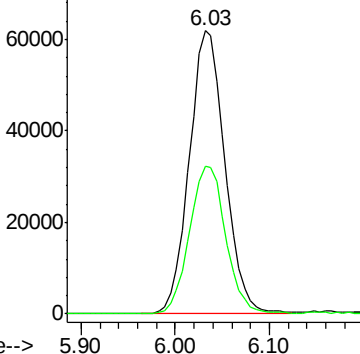
65 100

67 53.1 0.0 104.8

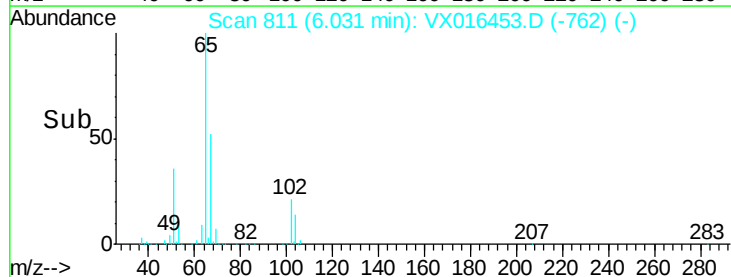


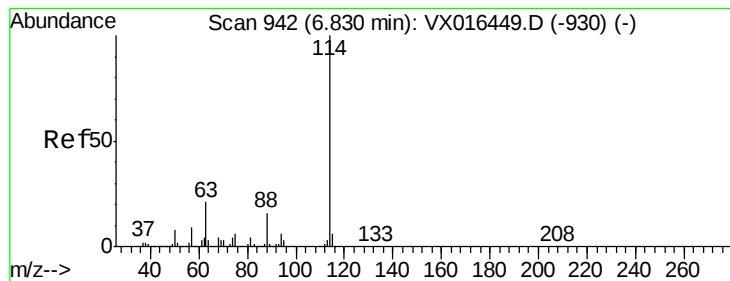
Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBL01

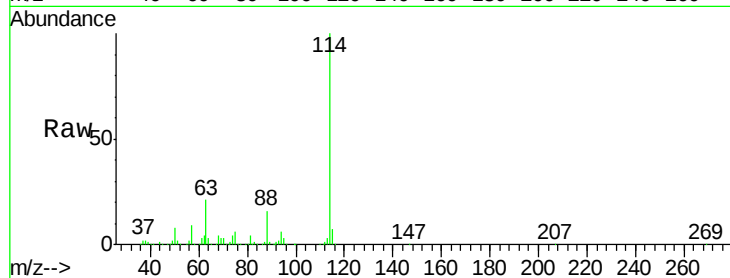
Tot Ion:114 Resp: 442173

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

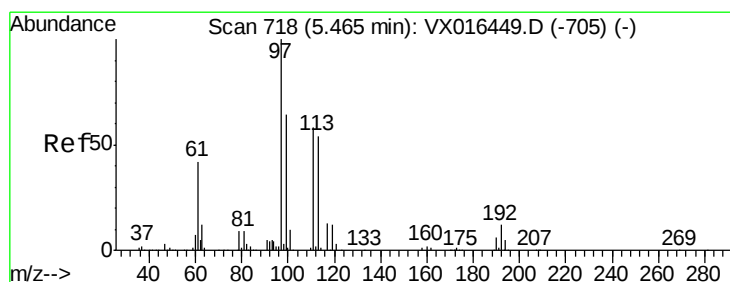
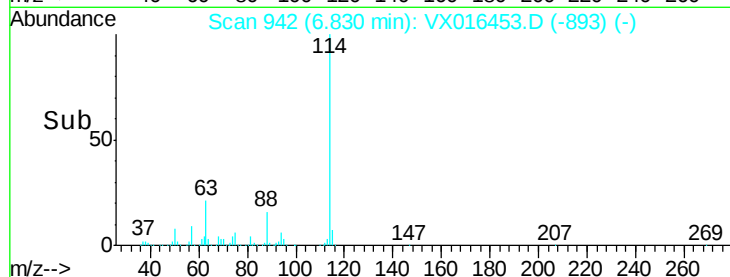
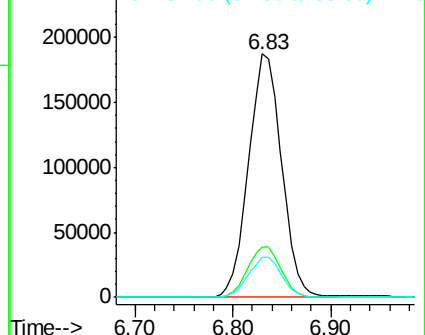
88 16.3 0.0 32.8



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: 46.827 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

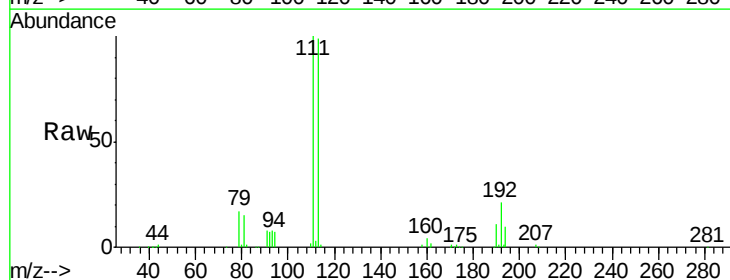
Tgt Ion:113 Resp: 127493

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.6

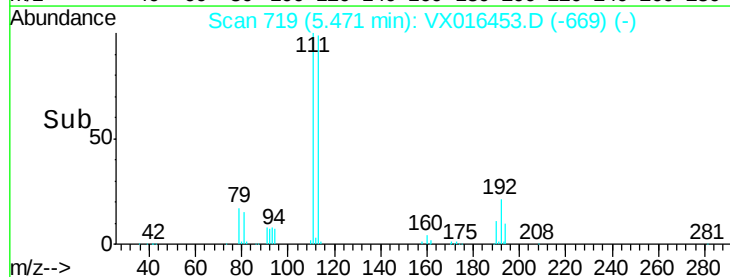
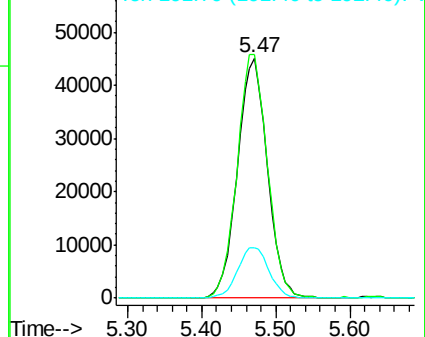
192 22.2 17.7 26.5

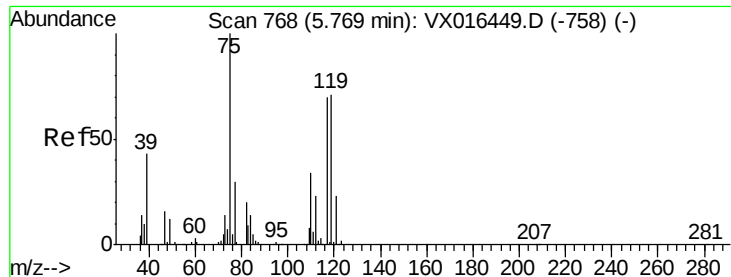


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 0.248 ug/l

RT: 5.78 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBL01

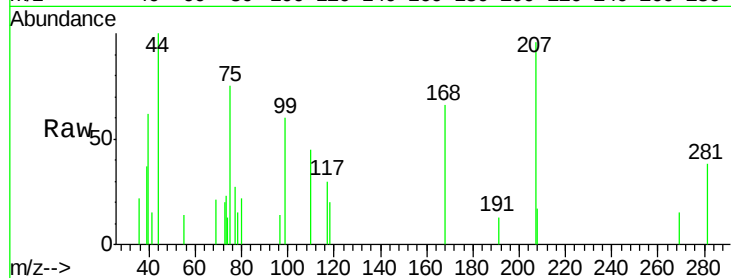
Tot Ion: 75 Resp: 1040

Ion Ratio Lower Upper

75 100

110 31.1 17.4 52.3

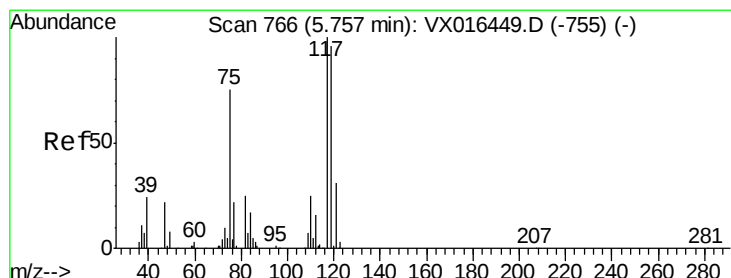
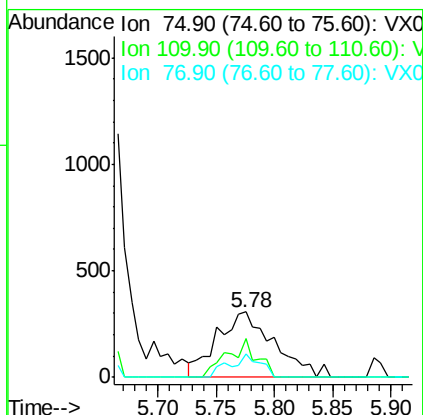
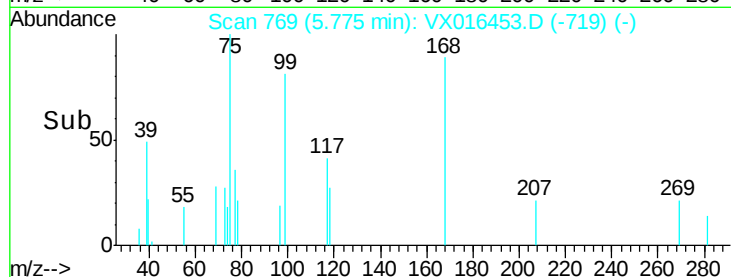
77 19.2 24.2 36.4#



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: 6.086 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

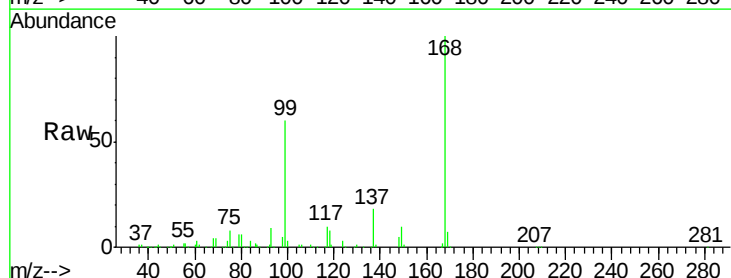
Tgt Ion:117 Resp: 26775

Ion Ratio Lower Upper

117 100

119 6.3 76.3 114.5#

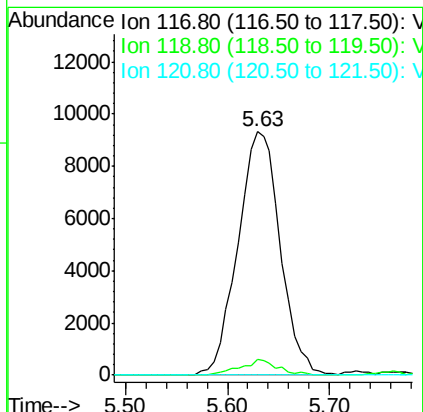
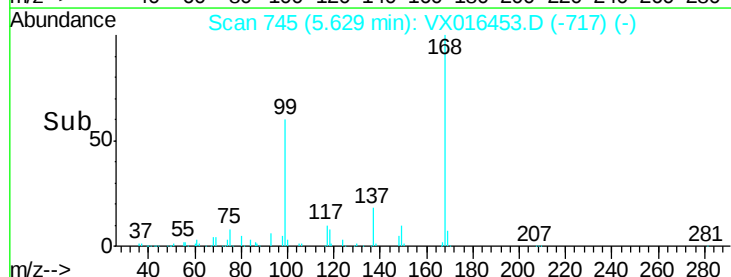
121 0.0 24.6 37.0#

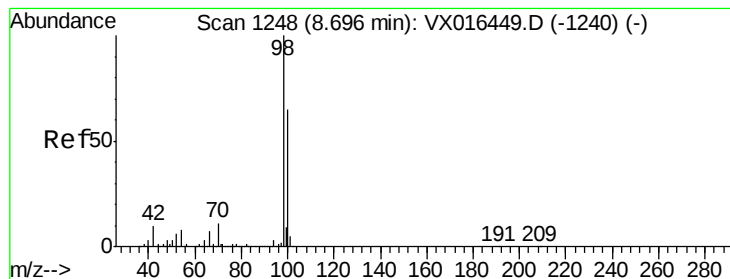


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.755 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

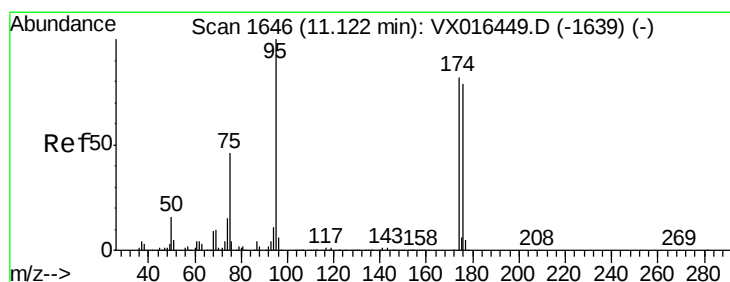
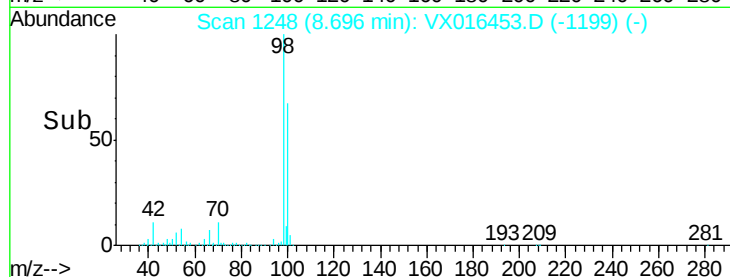
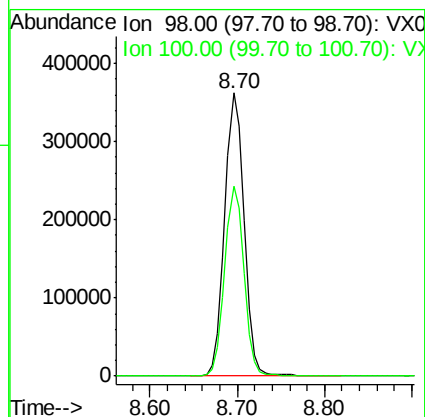
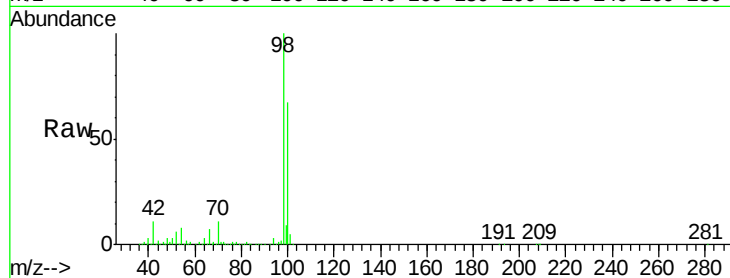
VX0527WBL01

Tot Ion: 98 Resp: 559052

Ion Ratio Lower Upper

98 100

100 66.4 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 55.171 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

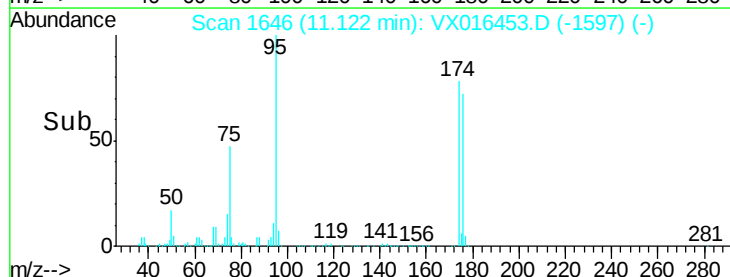
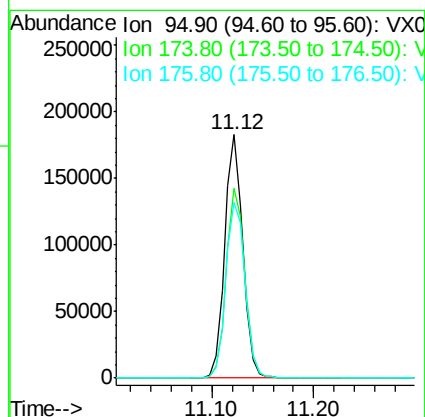
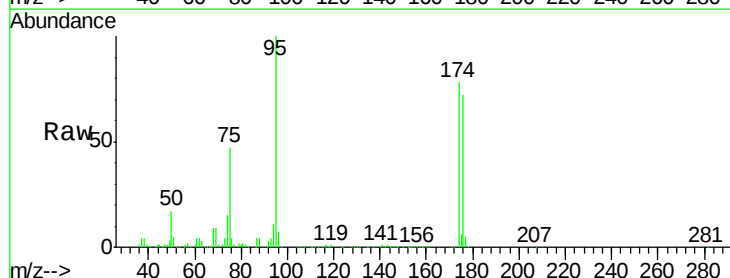
Tgt Ion: 95 Resp: 225909

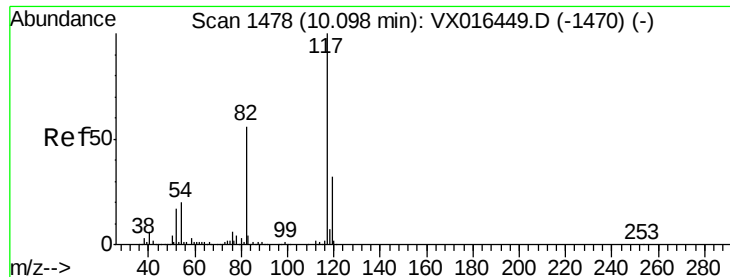
Ion Ratio Lower Upper

95 100

174 79.9 0.0 163.0

176 76.6 0.0 156.8

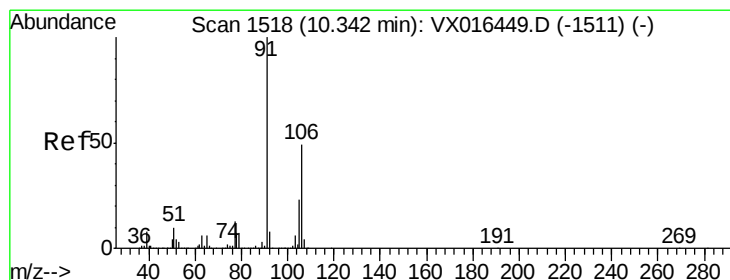
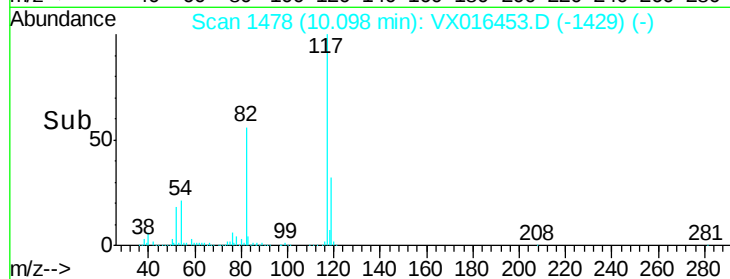
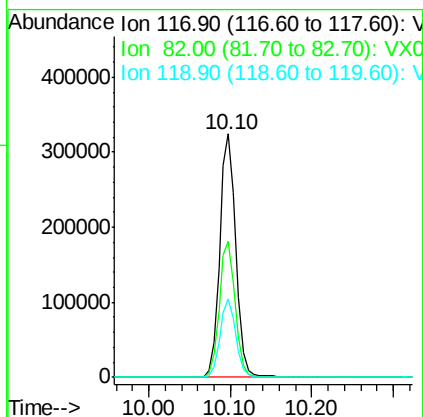
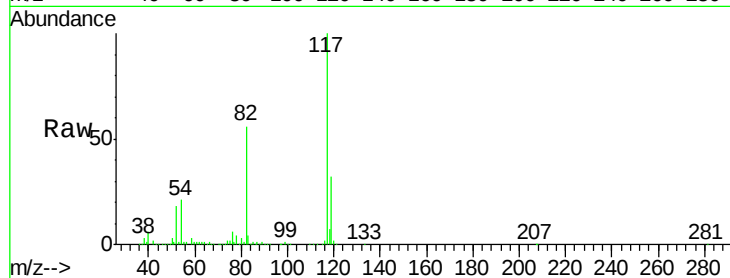




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016453.D
Acq: 27 May 2020 18:22

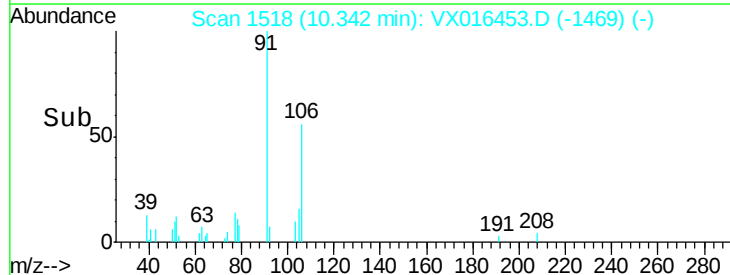
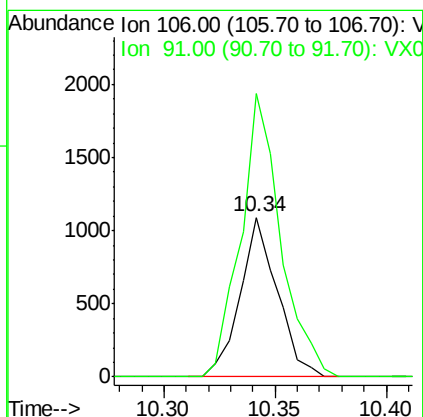
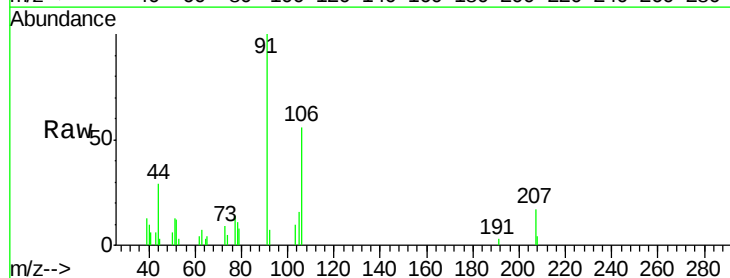
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBL01

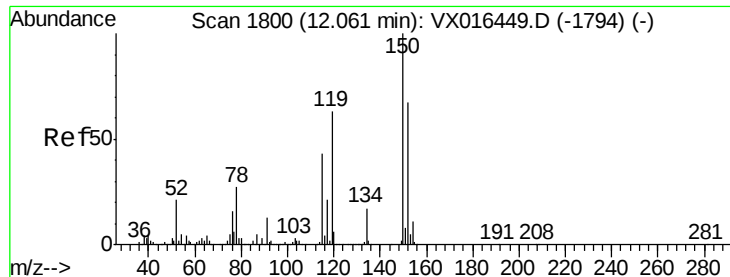
Tot Ion:117 Resp: 446151
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.6
119 32.1 25.8 38.8



#68
m/p-Xylenes
Concen: 0.213 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016453.D
Acq: 27 May 2020 18:22

Tgt Ion:106 Resp: 1278
Ion Ratio Lower Upper
106 100
91 189.0 163.8 245.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBL01

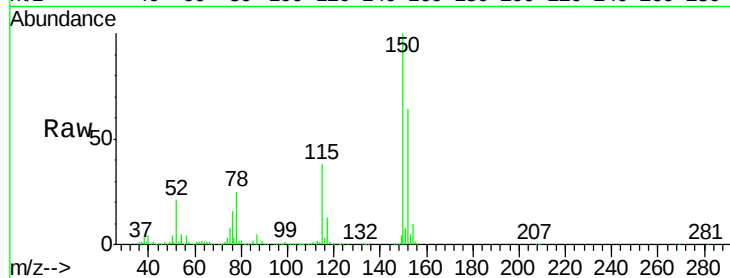
Tot Ion:152 Resp: 225108

Ion Ratio Lower Upper

152 100

115 59.1 39.9 119.6

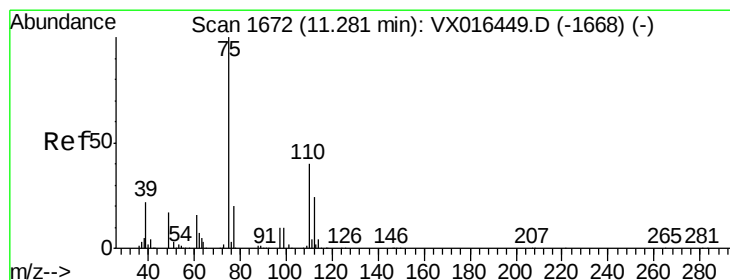
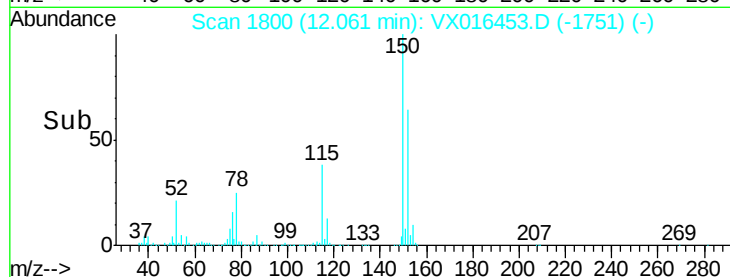
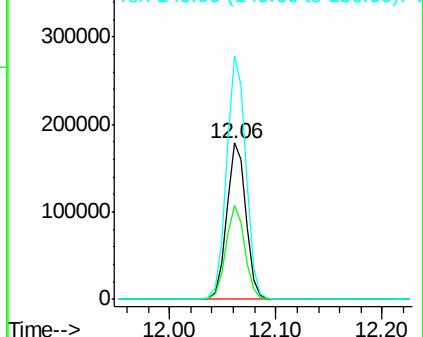
150 156.5 0.0 341.0



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: 22.108 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016453.D

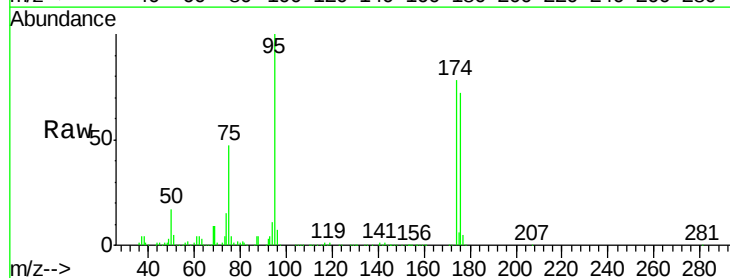
Acq: 27 May 2020 18:22

Tgt Ion: 75 Resp: 109392

Ion Ratio Lower Upper

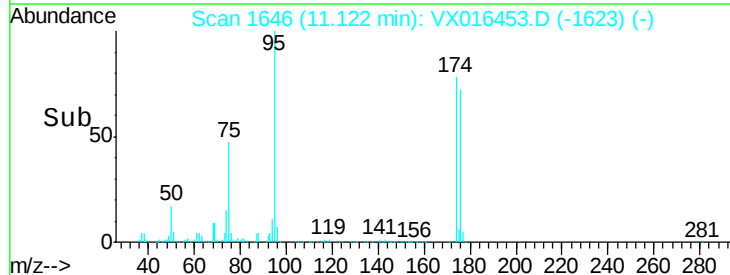
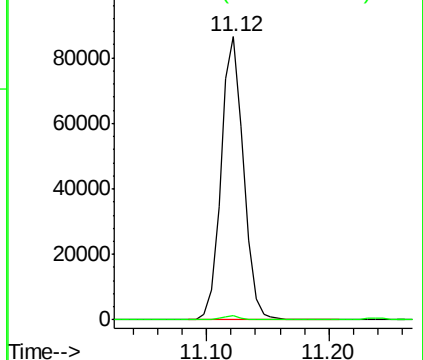
75 100

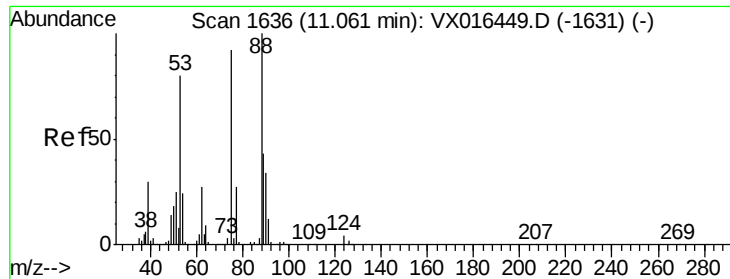
77 1.4 21.3 63.7#



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: 54.383 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBL01

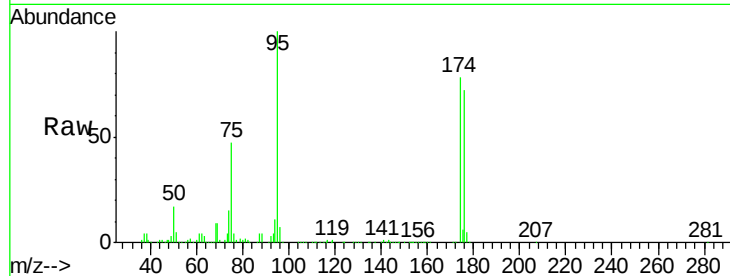
Tot Ion: 75 Resp: 109392

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

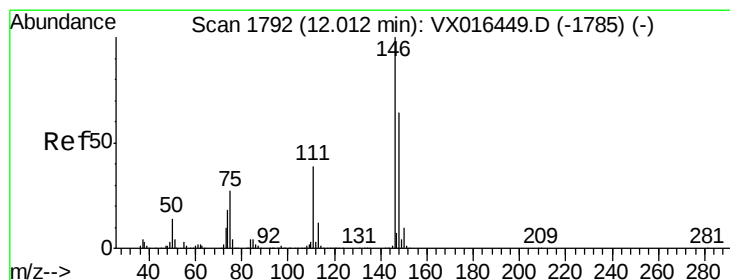
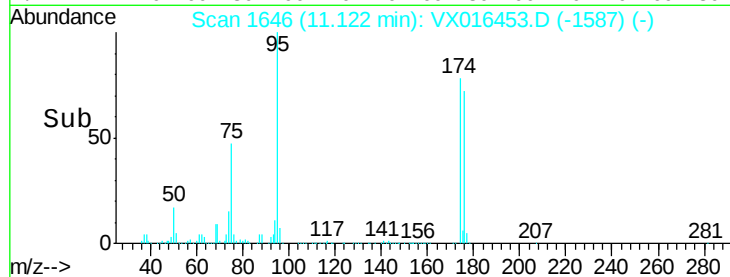
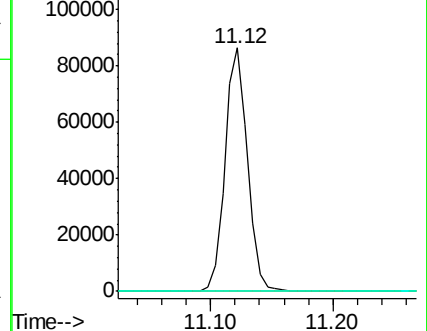
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#87

1,3-Dichlorobenzene

Concen: 0.271 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

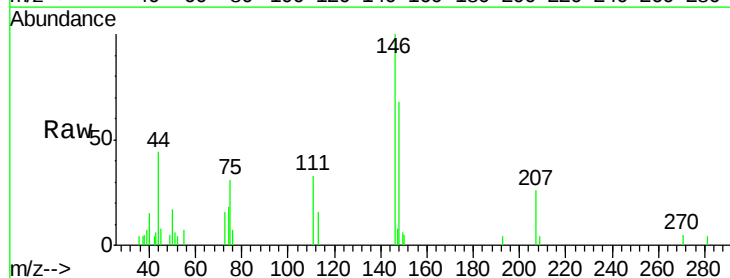
Tgt Ion: 146 Resp: 1918

Ion Ratio Lower Upper

146 100

111 32.8 20.0 60.0

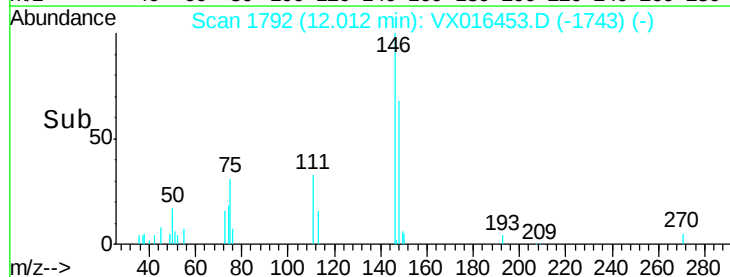
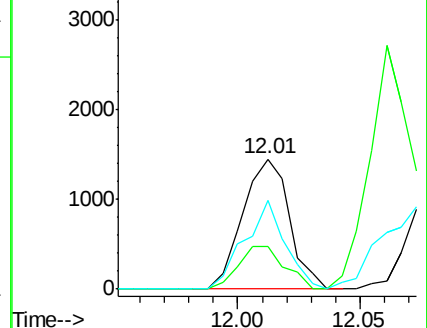
148 59.7 31.9 95.5

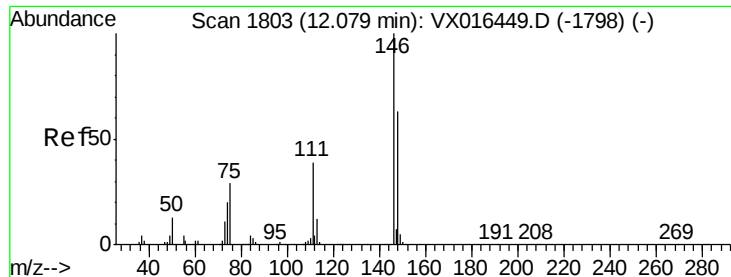


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.265 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.07 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBL01

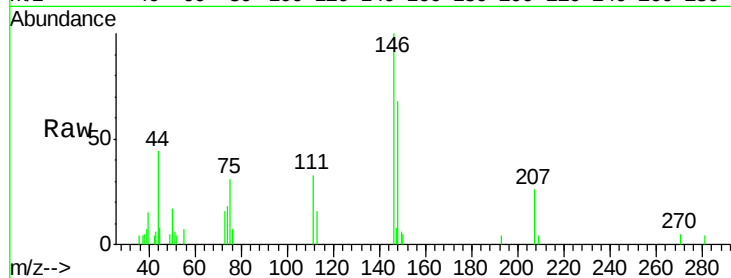
Tot Ion:146 Resp: 1918

Ion Ratio Lower Upper

146 100

111 32.8 19.4 58.2

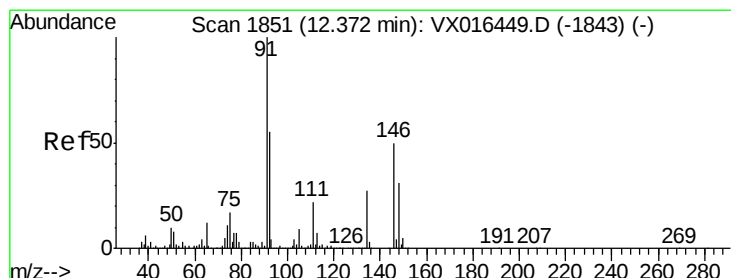
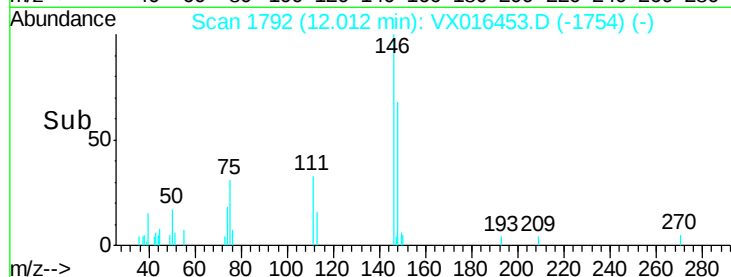
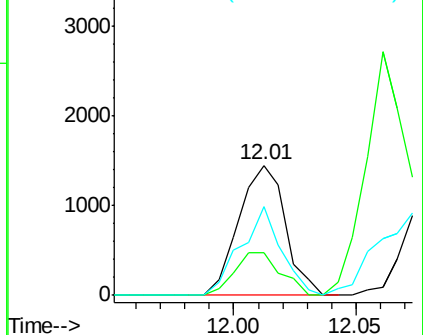
148 59.7 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.290 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

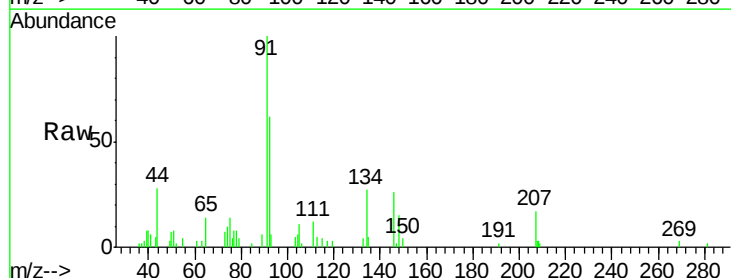
Tgt Ion: 91 Resp: 3163

Ion Ratio Lower Upper

91 100

92 58.6 27.2 81.5

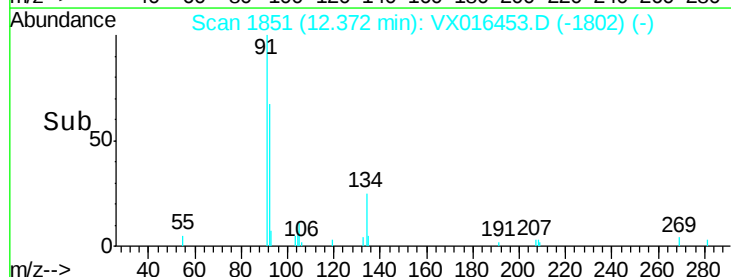
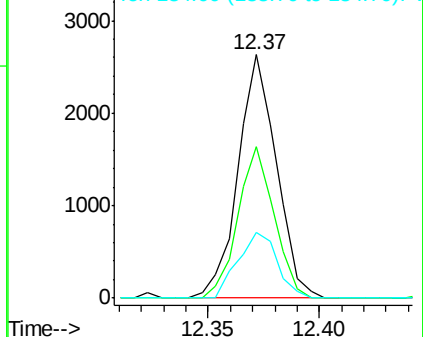
134 27.6 13.1 39.3

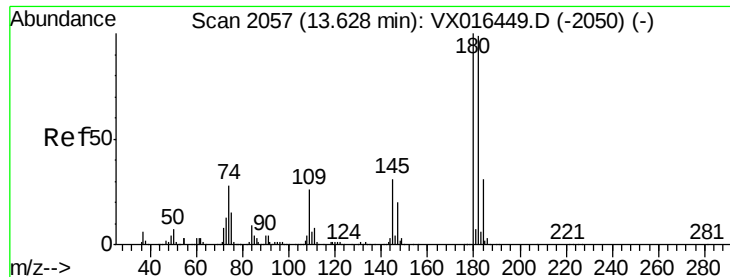


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#93

1,2,4-Trichlorobenzene

Concen: 0.433 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBL01

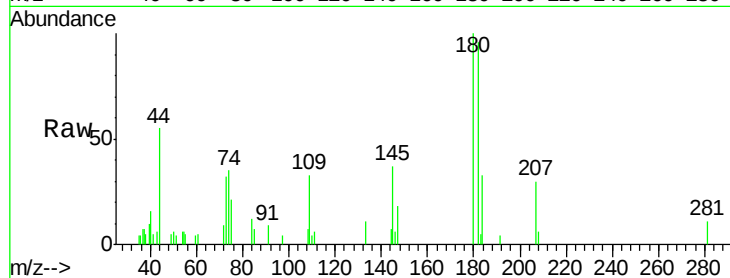
Tot Ion:180 Resp: 1975

Ion Ratio Lower Upper

180 100

182 90.7 48.3 144.8

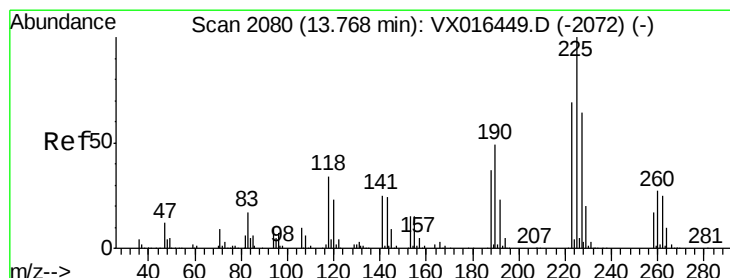
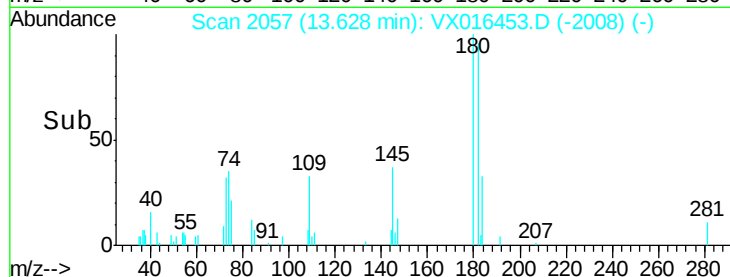
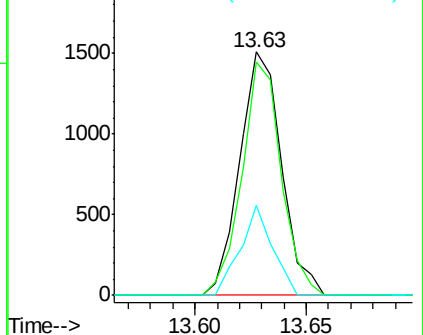
145 28.5 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.712 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016453.D

Acq: 27 May 2020 18:22

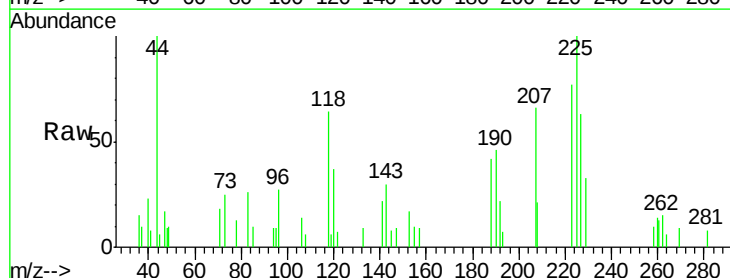
Tgt Ion:225 Resp: 1274

Ion Ratio Lower Upper

225 100

223 63.4 32.3 96.8

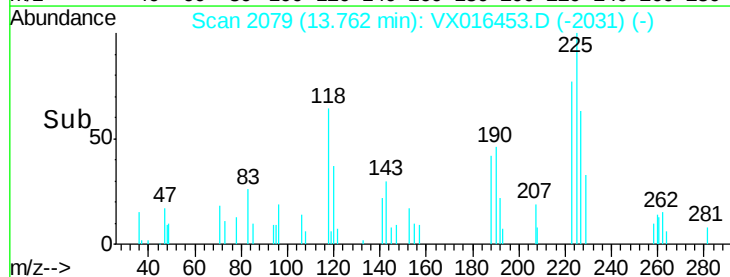
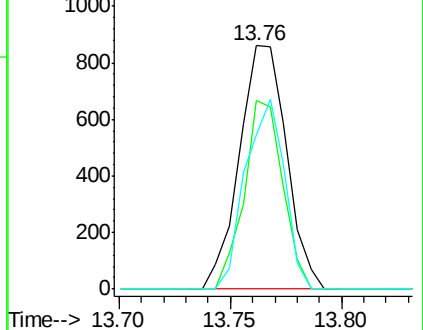
227 64.4 31.6 94.7

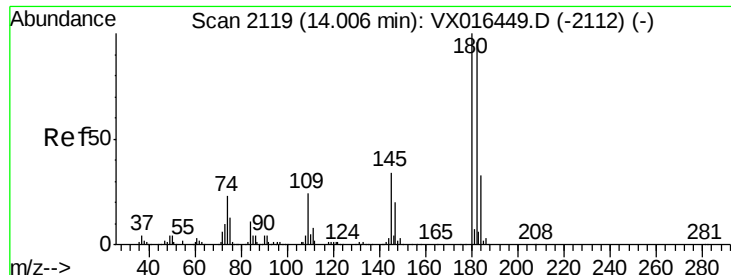


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.312 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016453.D
 Acq: 27 May 2020 18:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.6	145.8
145	31.4	16.6	49.8

