

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
 Data File : VX016558.D
 Acq On : 03 Jun 2020 11:10
 Operator : JC/SP
 Sample : VX0603WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0603WBL01

Quant Time: Jun 04 08:21:36 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	5.63	168	269895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	432604	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	423100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197512	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	155660	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	5.46	113	126951	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	8.70	98	530463	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.12	95	208426	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	

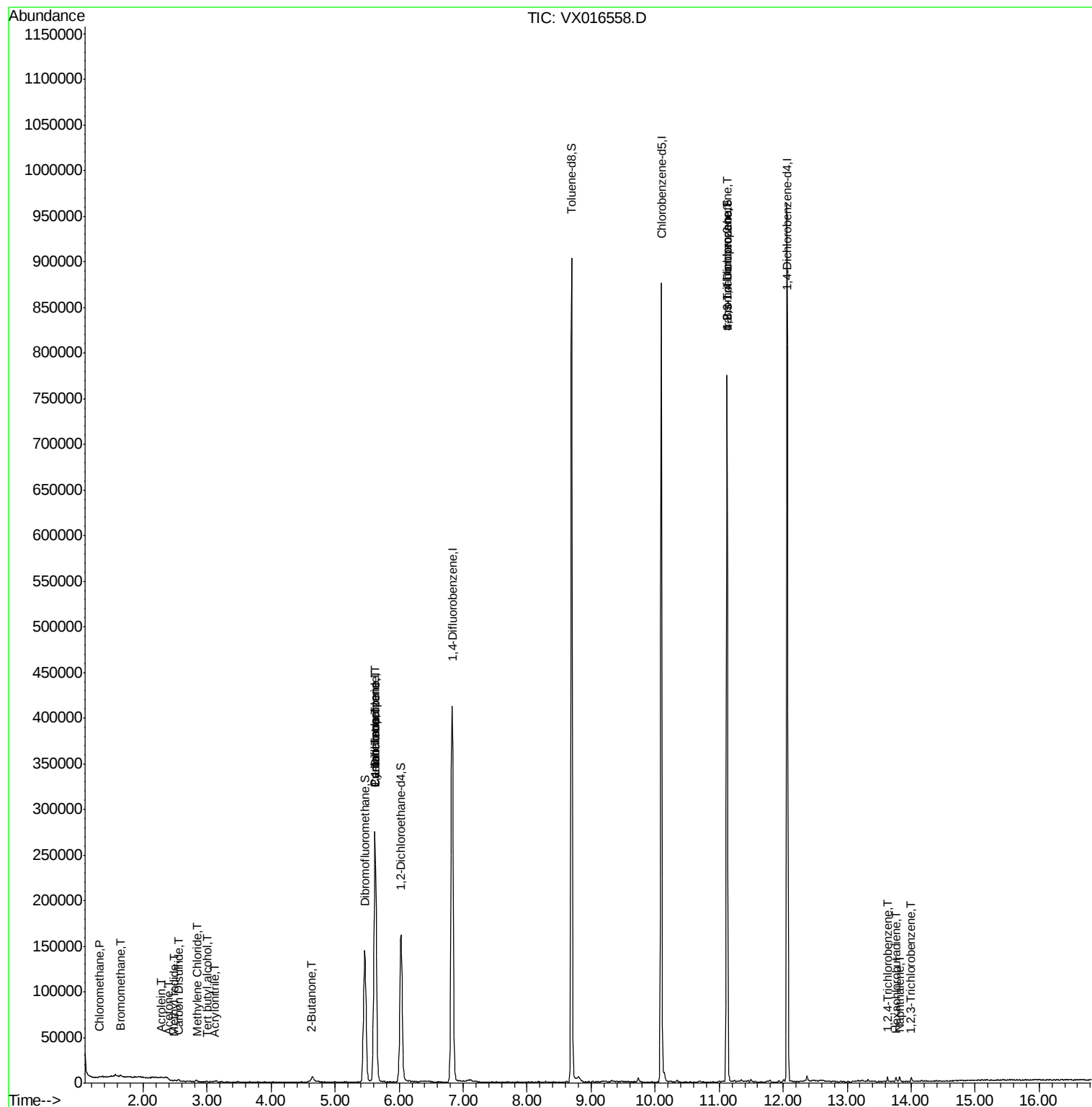
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	784	0.244	ug/l #	81
5) Bromomethane	1.64	94	1171	0.710	ug/l	83
10) Methyl Iodide	2.50	142	1157	3.426	ug/l #	89
11) Tert butyl alcohol	3.00	59	246	0.286	ug/l #	72
13) Acrolein	2.27	56	635	1.737	ug/l #	63
15) Acrylonitrile	3.11	53	640	0.364	ug/l #	77
16) Acetone	2.41	43	337	0.229	ug/l	91
17) Carbon Disulfide	2.55	76	2366	0.307	ug/l #	84
20) Methylene Chloride	2.83	84	872	0.287	ug/l #	81
25) 2-Butanone	4.63	43	787	0.316	ug/l #	49
31) Cyclohexane	5.62	56	4830	1.037	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19701	4.810	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25557	5.937	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	101545	23.390	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	101545	57.535	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1143	0.286	ug/l	96
94) Hexachlorobutadiene	13.76	225	705	0.449	ug/l	89
95) Naphthalene	13.82	128	3089	0.225	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	1353	0.345	ug/l	94

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

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Quant Time: Jun 04 08:21:36 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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

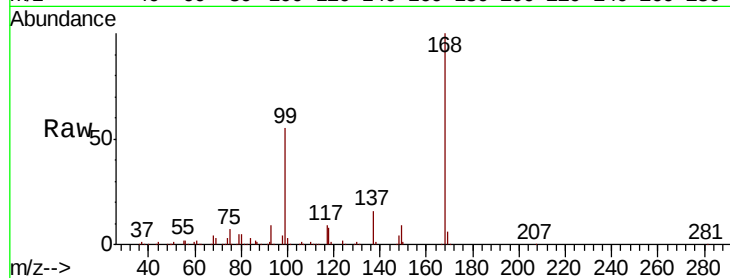
VX0603WBL01

Tot Ion:168 Resp: 269895

Ion Ratio Lower Upper

168 100

99 55.2 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

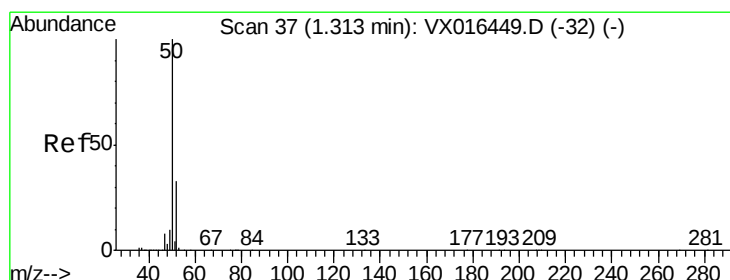
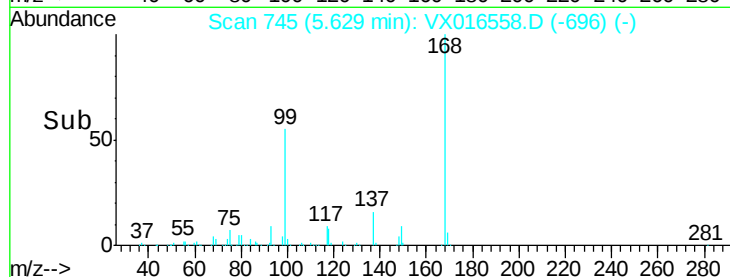
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016558.D

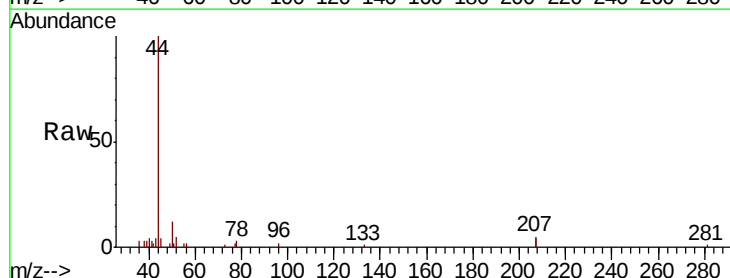
Acq: 03 Jun 2020 11:10

Tgt Ion: 50 Resp: 784

Ion Ratio Lower Upper

50 100

52 43.1 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

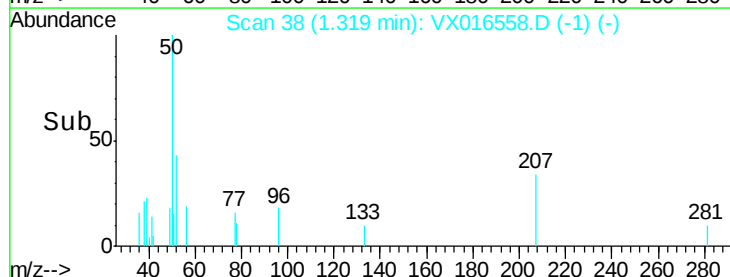
300

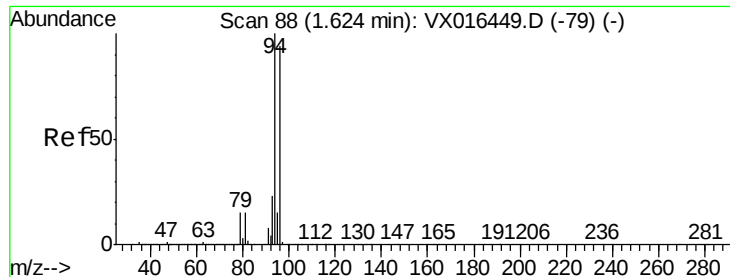
200

100

0

Time-->





#5

Bromomethane

Concen: 0.710 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

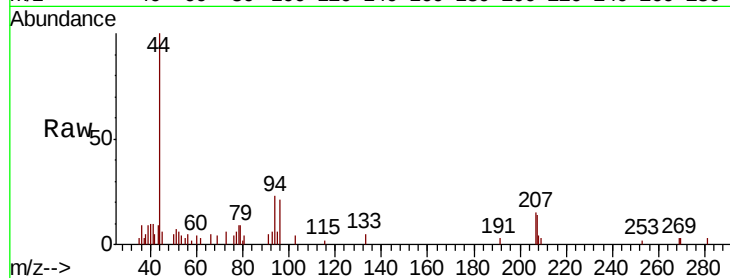
VX0603WBL01

Tot Ion: 94 Resp: 1171

Ion Ratio Lower Upper

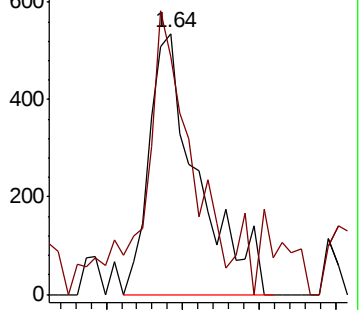
94 100

96 77.2 75.1 112.7

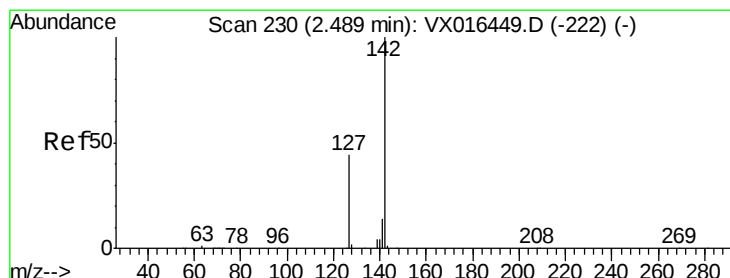
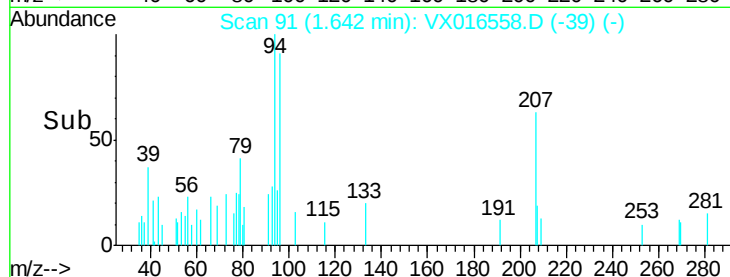


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 3.426 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

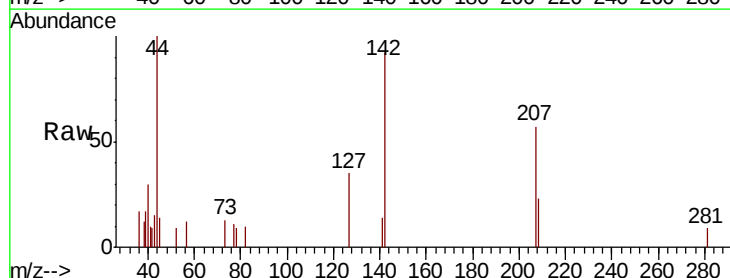
Tgt Ion:142 Resp: 1157

Ion Ratio Lower Upper

142 100

127 37.7 35.3 52.9

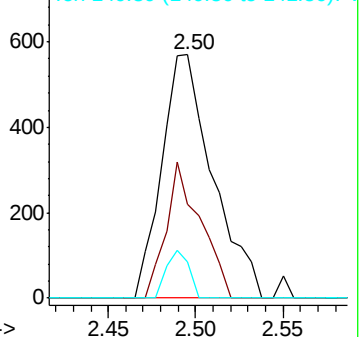
141 8.7 11.4 17.2#



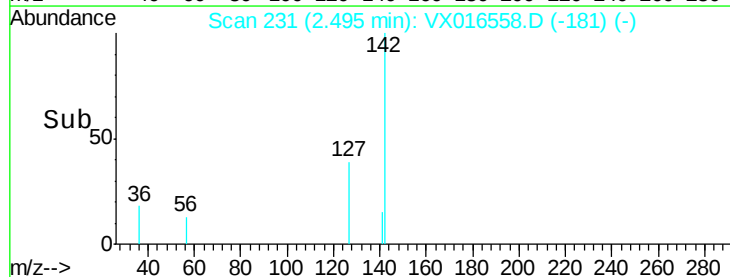
Abundance Ion 141.80 (141.50 to 142.50): V

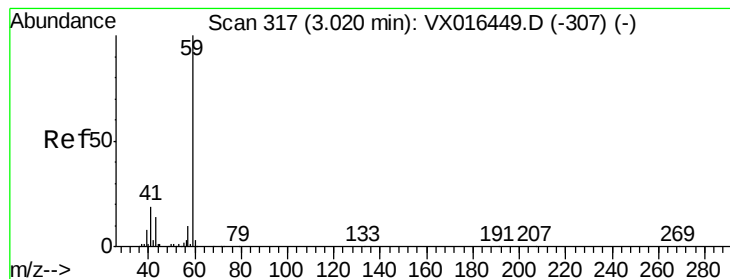
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



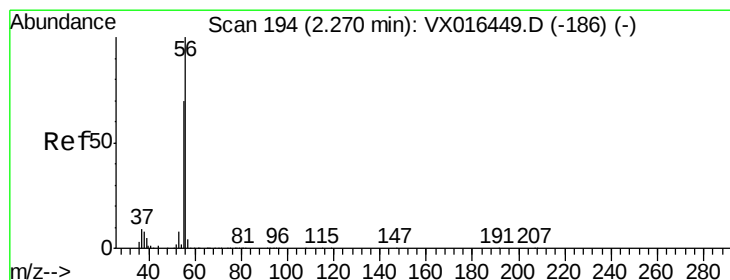
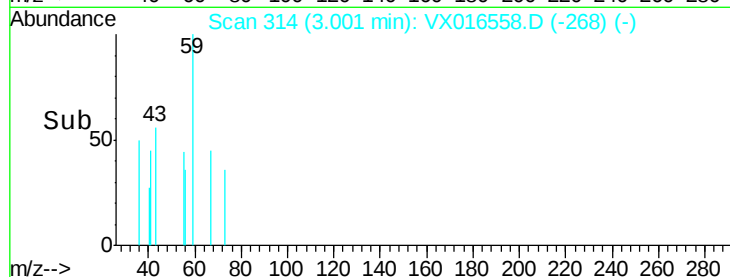
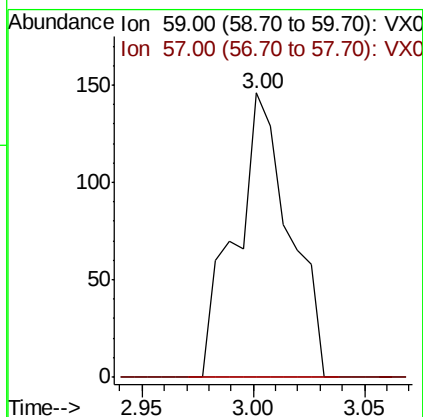
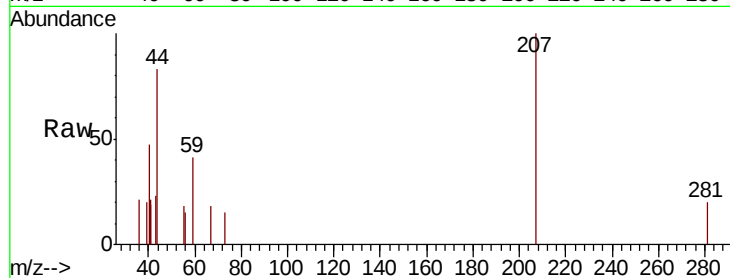


#11

Tert butyl alcohol
Concen: 0.286 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016558.D
Acq: 03 Jun 2020 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX0603WBL01

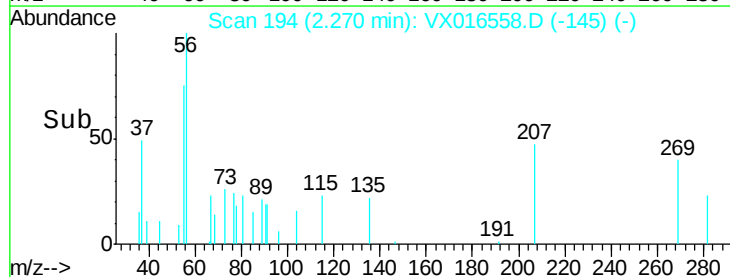
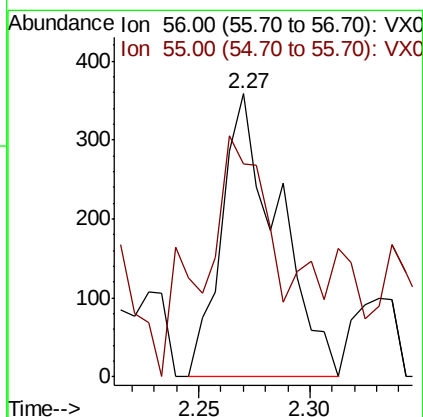
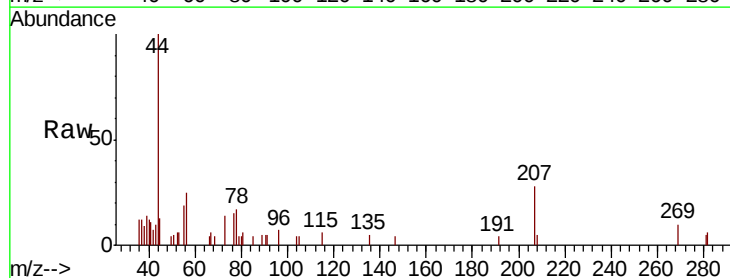
Tot Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

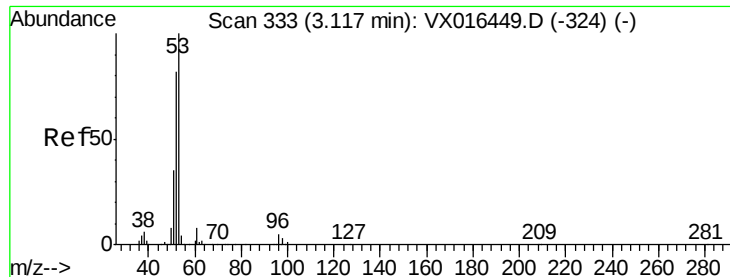


#13

Acrolein
Concen: 1.737 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016558.D
Acq: 03 Jun 2020 11:10

Tgt Ion: 56 Resp: 635
Ion Ratio Lower Upper
56 100
55 104.1 58.3 87.5#





#15

Acrylonitrile

Concen: 0.364 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0603WBL01

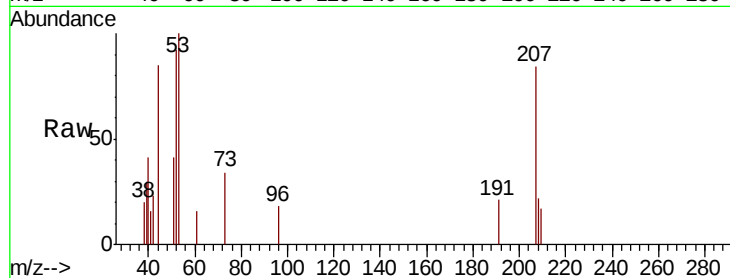
Tot Ion: 53 Resp: 640

Ion Ratio Lower Upper

53 100

52 102.2 66.7 100.1#

51 52.8 28.6 43.0#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Time-->

3.05 3.10 3.15

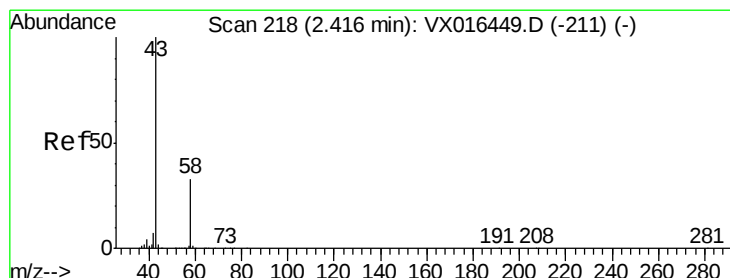
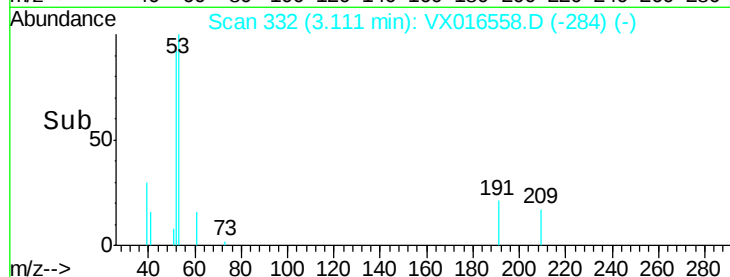
3.11

300

200

100

0



#16

Acetone

Concen: 0.229 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016558.D

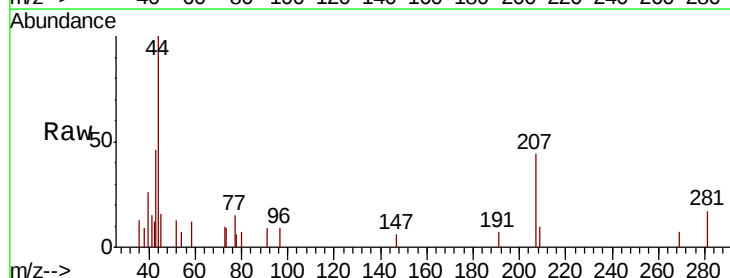
Acq: 03 Jun 2020 11:10

Tgt Ion: 43 Resp: 337

Ion Ratio Lower Upper

43 100

58 37.4 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->

2.38 2.40 2.42 2.44 2.46

2.41

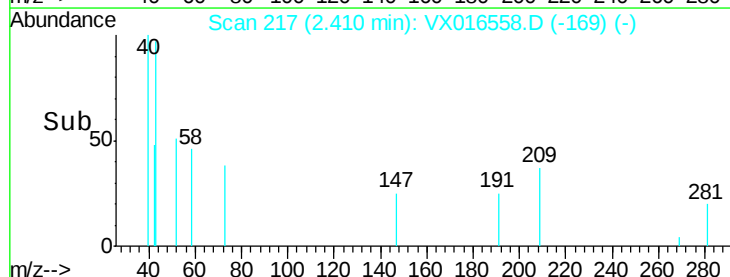
400

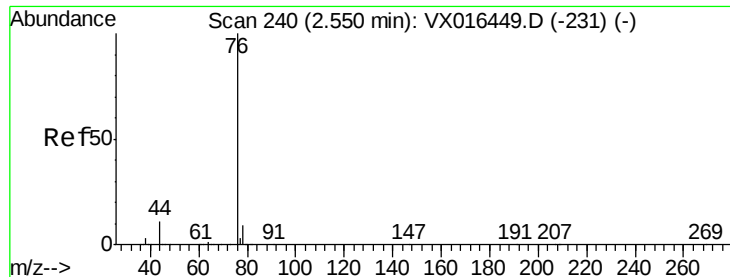
300

200

100

0





#17

Carbon Disulfide

Concen: 0.307 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

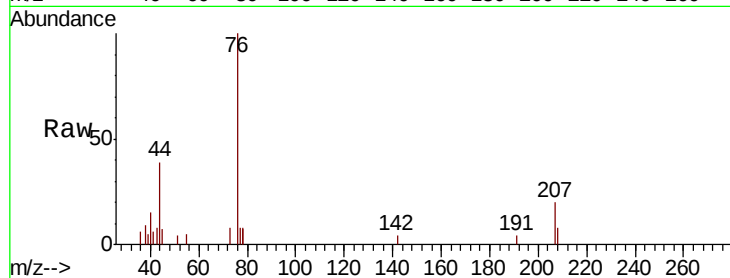
VX0603WBL01

Tot Ion: 76 Resp: 2366

Ion Ratio Lower Upper

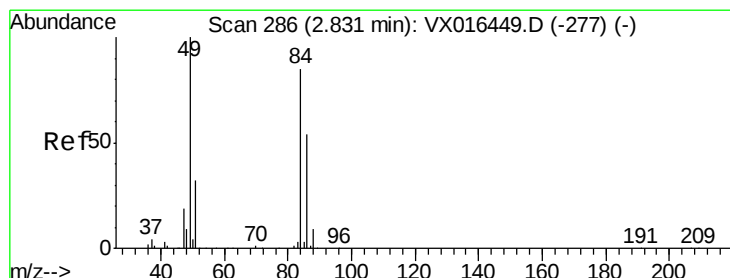
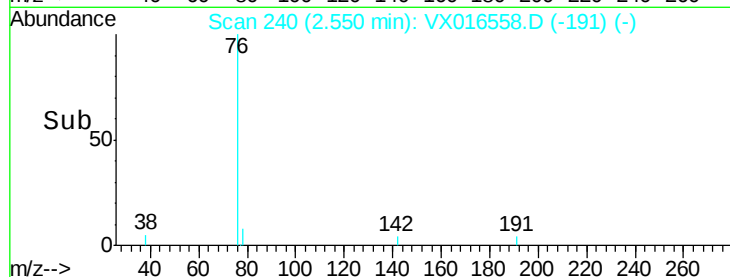
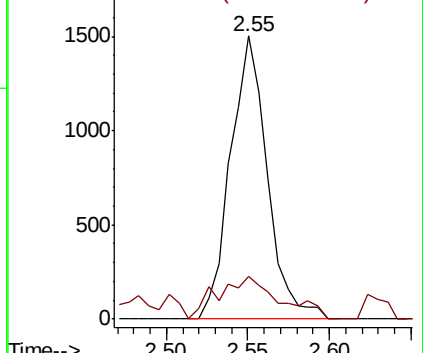
76 100

78 15.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.287 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

Tgt Ion: 84 Resp: 872

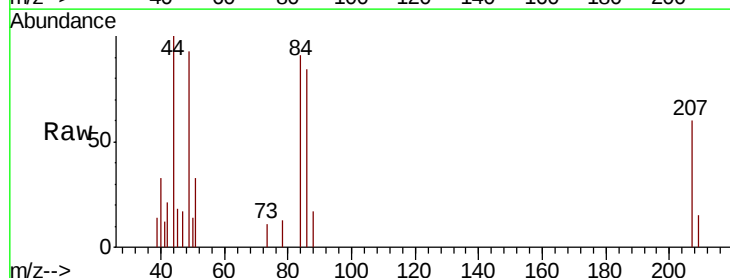
Ion Ratio Lower Upper

84 100

49 101.4 94.5 141.7

51 36.2 30.2 45.4

86 91.8 51.1 76.7#

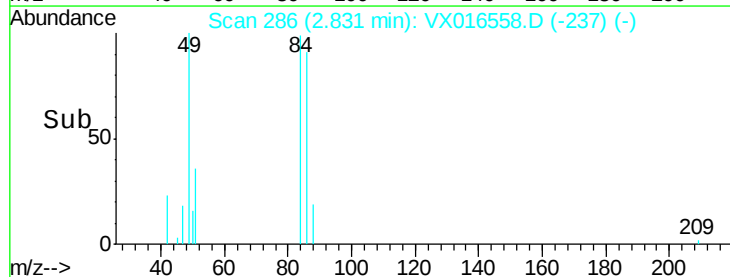
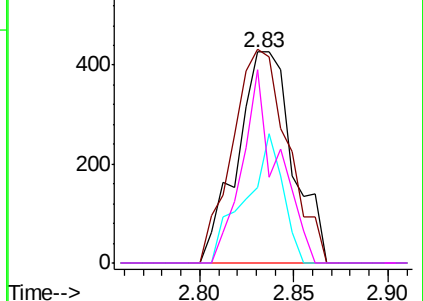


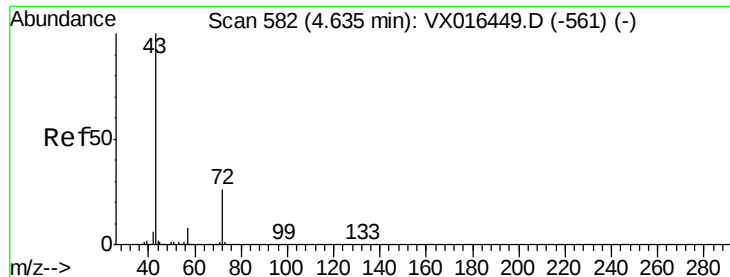
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

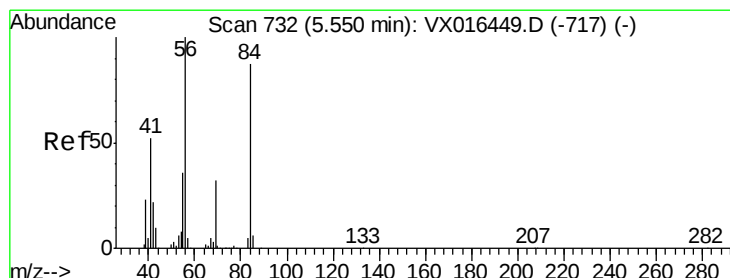
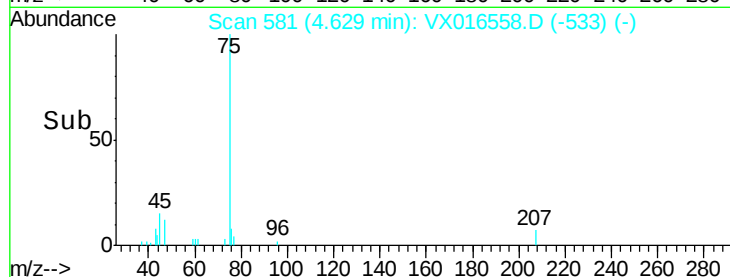
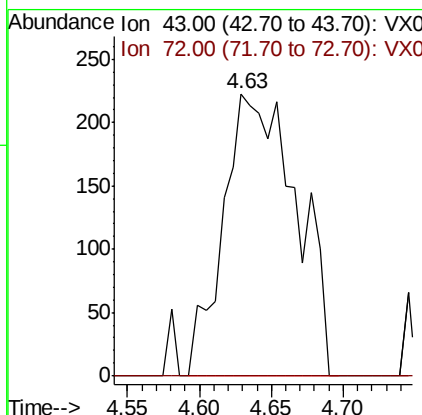
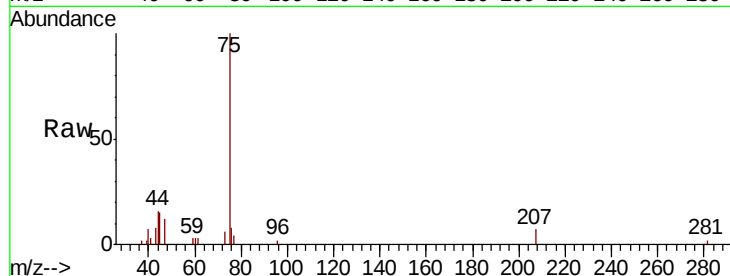




#25
2-Butanone
Concen: 0.316 ug/l
RT: 4.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX016558.D
Acq: 03 Jun 2020 11:10

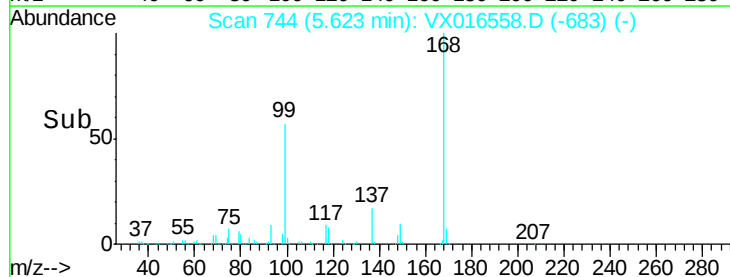
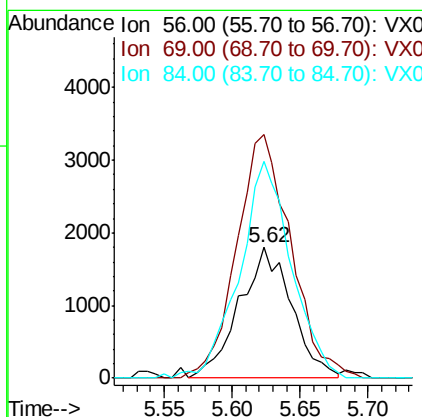
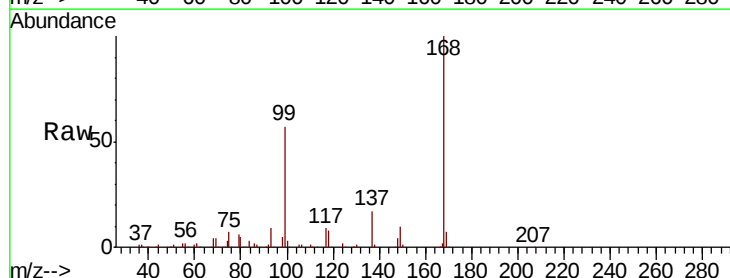
Instrument :
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VX0603WBL01

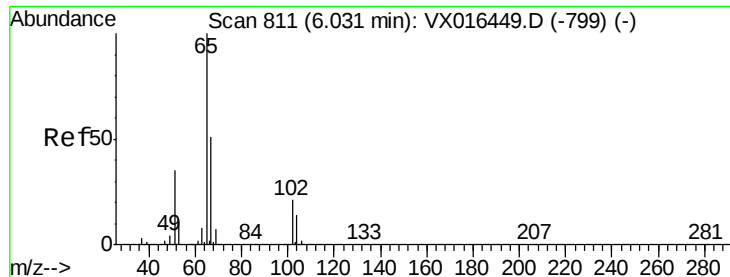
Tot Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31
Cyclohexane
Concen: 1.037 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016558.D
Acq: 03 Jun 2020 11:10

Tgt Ion: 56 Resp: 4830
Ion Ratio Lower Upper
56 100
69 182.3 25.7 38.5#
84 161.7 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 46.441 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

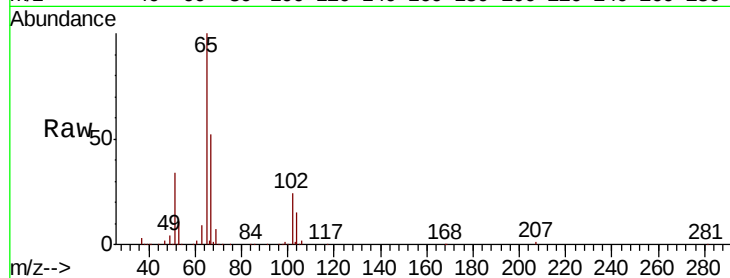
VX0603WBL01

Tot Ion: 65 Resp: 155660

Ion Ratio Lower Upper

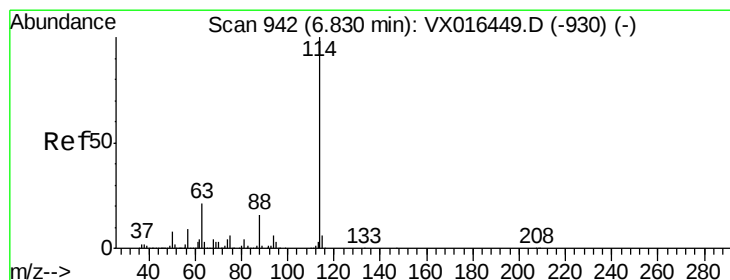
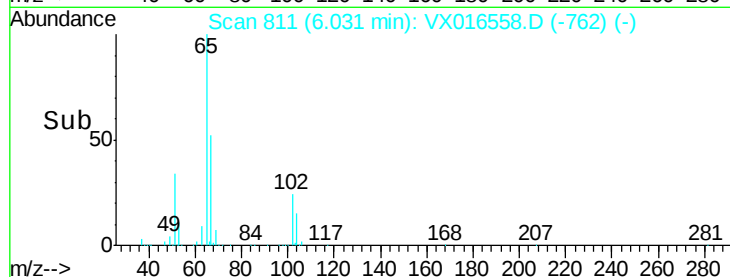
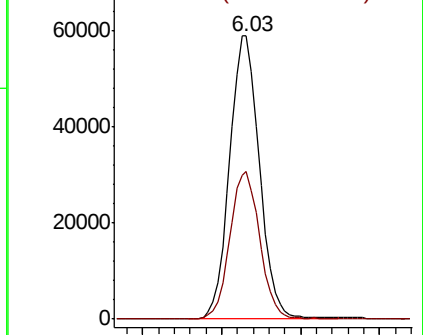
65 100

67 51.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

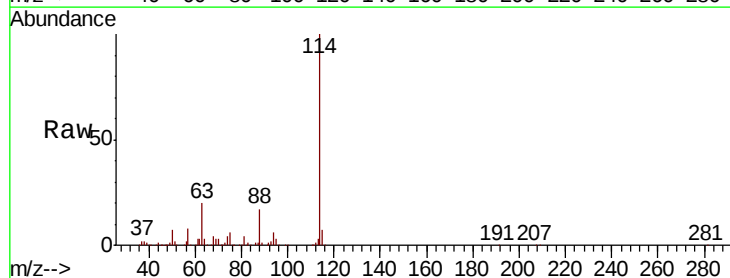
Tgt Ion: 114 Resp: 432604

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

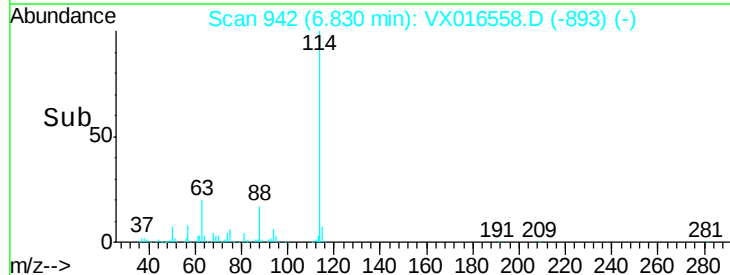
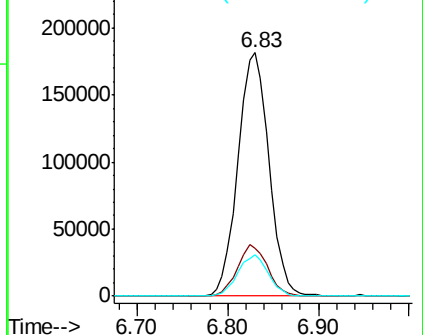
88 16.8 0.0 32.8

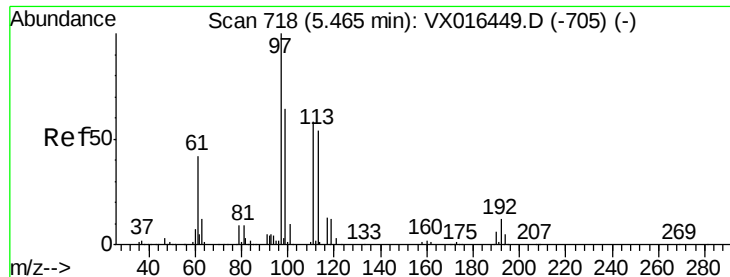


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

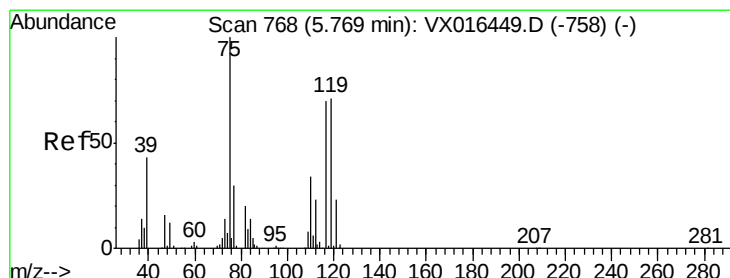
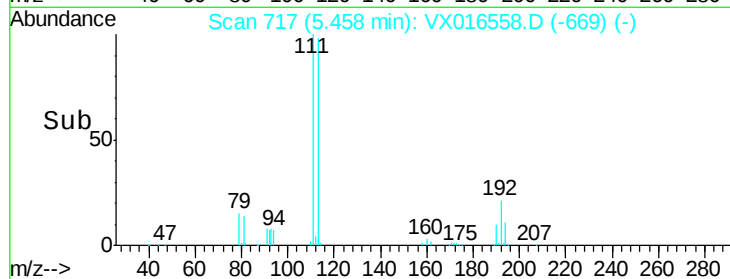
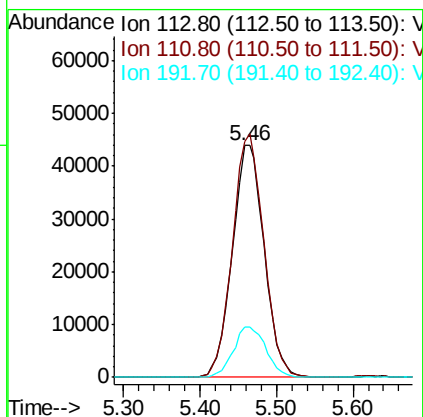
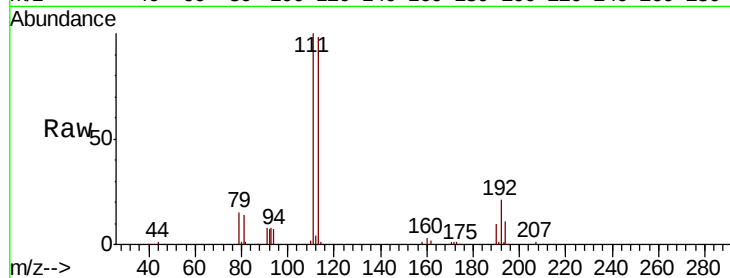




#35
Dibromofluoromethane
Concen: 47.659 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016558.D
Acq: 03 Jun 2020 11:10

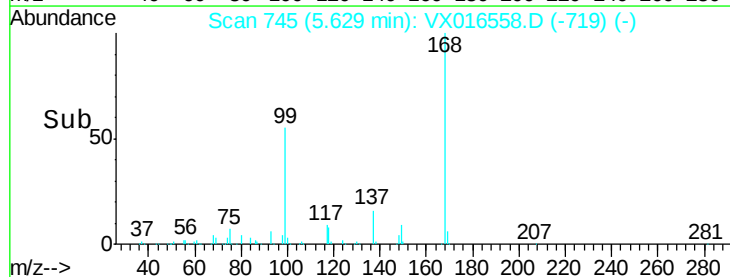
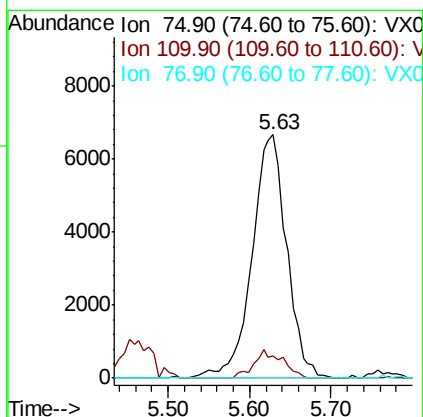
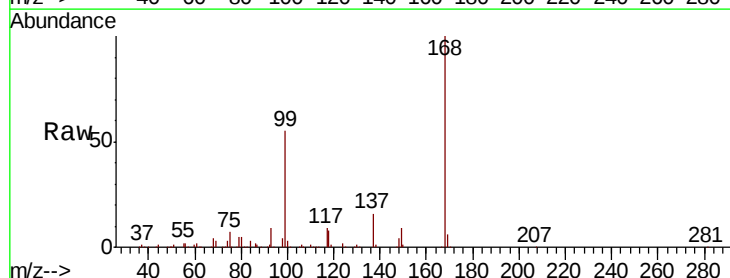
Instrument :
MSVOA_X
ClientSampleId :
VX0603WBL01

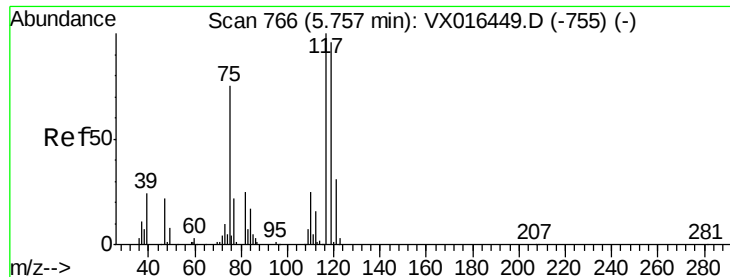
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.6
192	22.2	17.7	26.5



#36
1,1-Dichloropropene
Concen: 4.810 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX016558.D
Acq: 03 Jun 2020 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.4	52.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.937 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0603WBL01

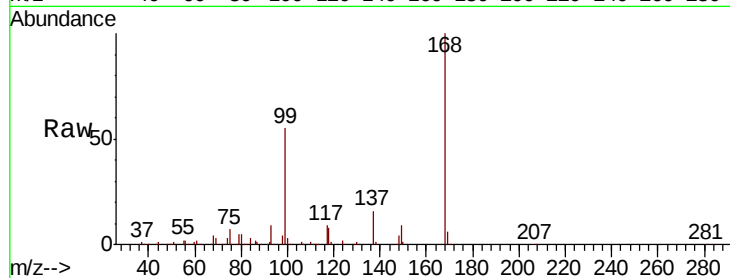
Tot Ion:117 Resp: 25557

Ion Ratio Lower Upper

117 100

119 5.5 76.3 114.5#

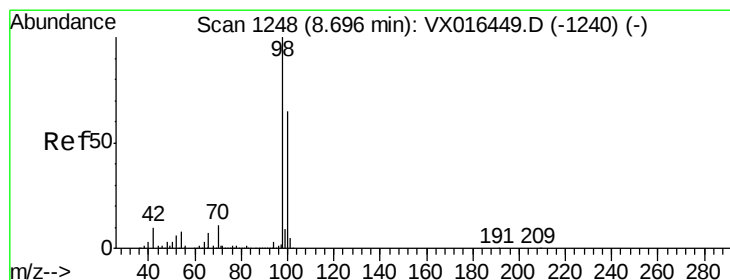
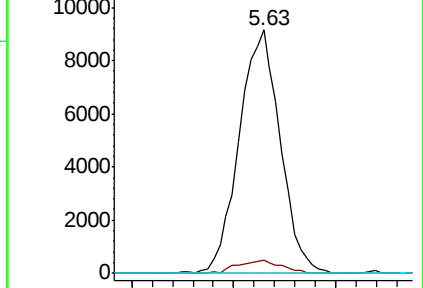
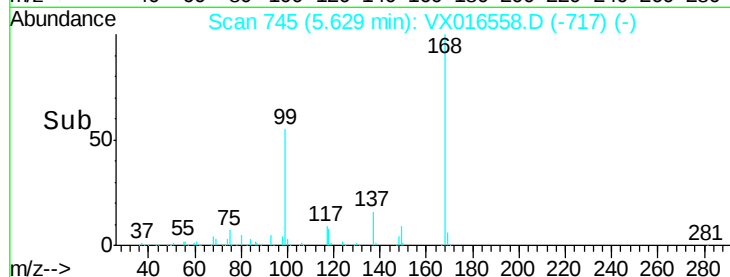
121 0.0 24.6 37.0#



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: 51.164 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016558.D

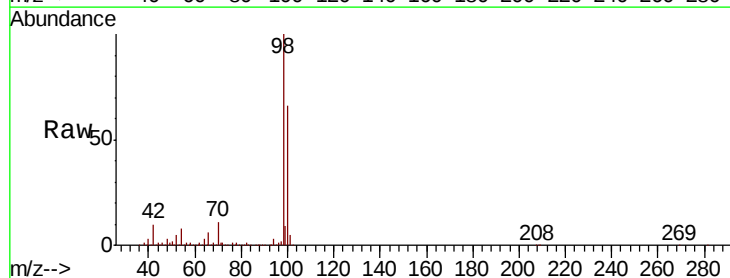
Acq: 03 Jun 2020 11:10

Tgt Ion: 98 Resp: 530463

Ion Ratio Lower Upper

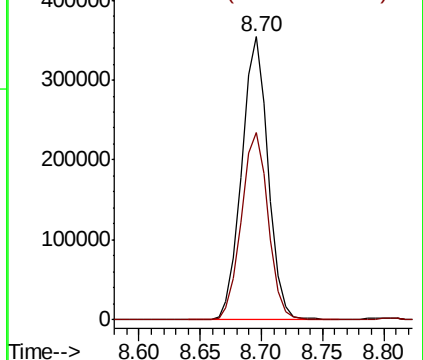
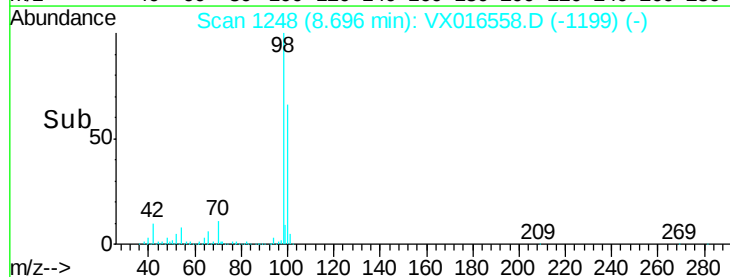
98 100

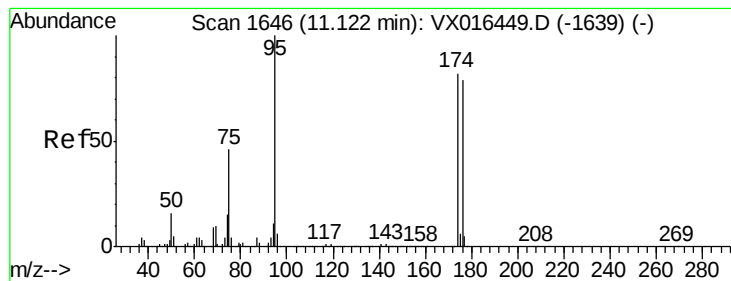
100 67.2 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.027 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0603WBL01

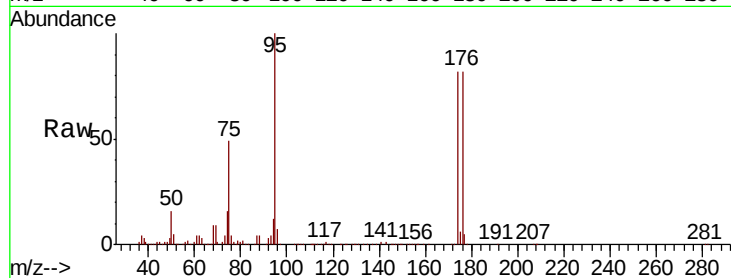
Tot Ion: 95 Resp: 208426

Ion Ratio Lower Upper

95 100

174 82.6 0.0 163.0

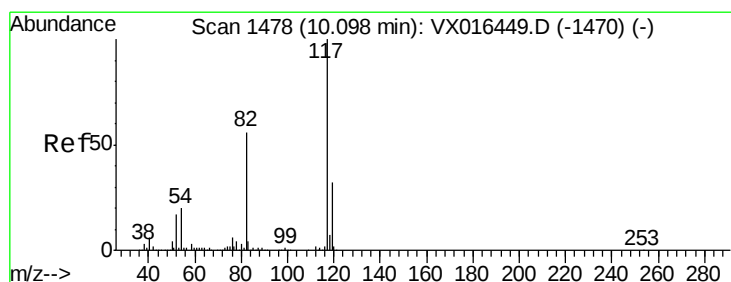
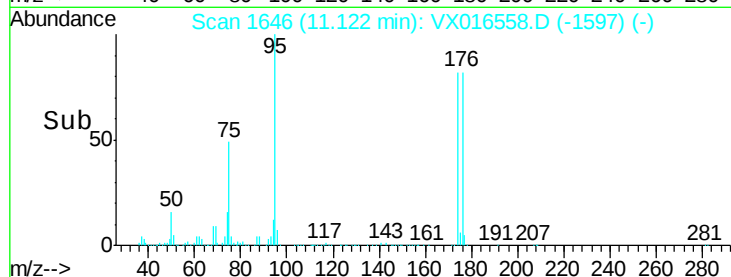
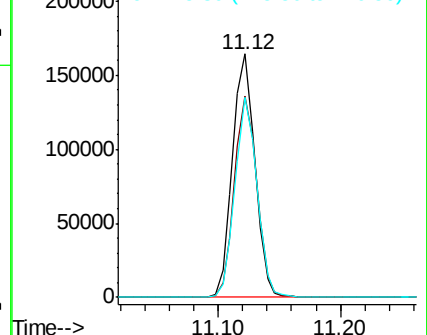
176 80.3 0.0 156.8



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: VX016558.D

Acq: 03 Jun 2020 11:10

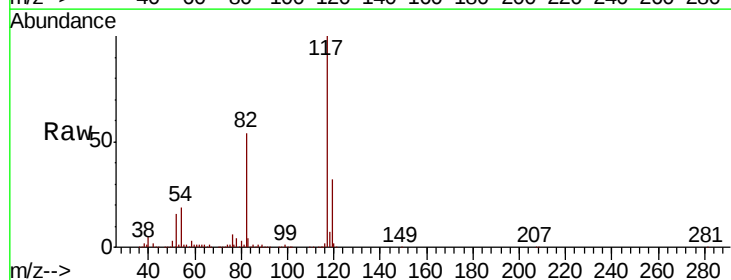
Tgt Ion: 117 Resp: 423100

Ion Ratio Lower Upper

117 100

82 54.4 45.0 67.6

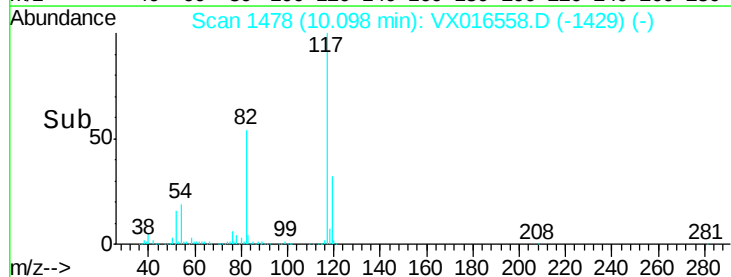
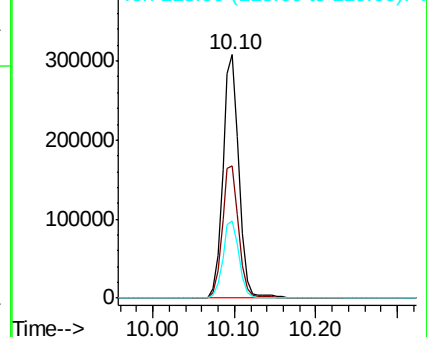
119 31.8 25.8 38.8

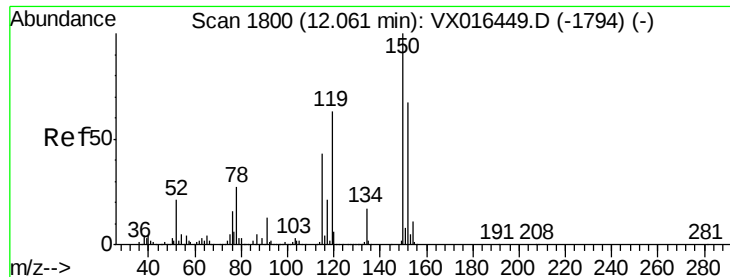


Abundance Ion 116.90 (116.60 to 117.60): VX0

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: VX016558.D

Acq: 03 Jun 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0603WBL01

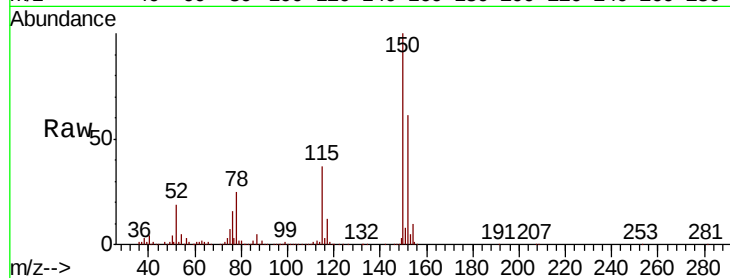
Tot Ion:152 Resp: 197512

Ion Ratio Lower Upper

152 100

115 59.1 39.9 119.6

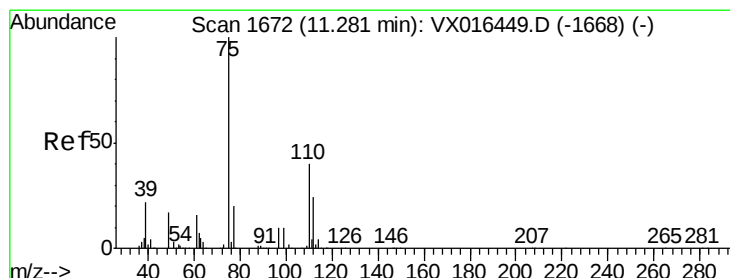
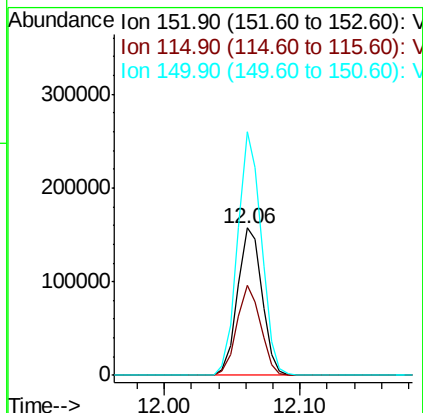
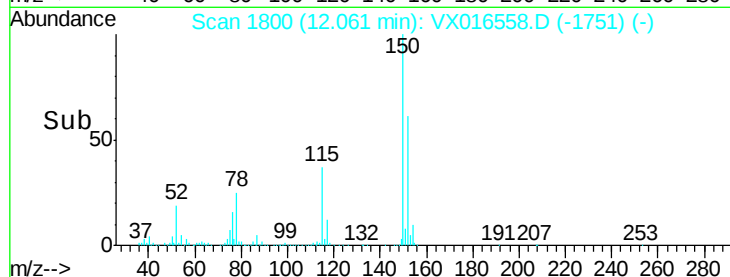
150 160.4 0.0 341.0



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: 23.390 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016558.D

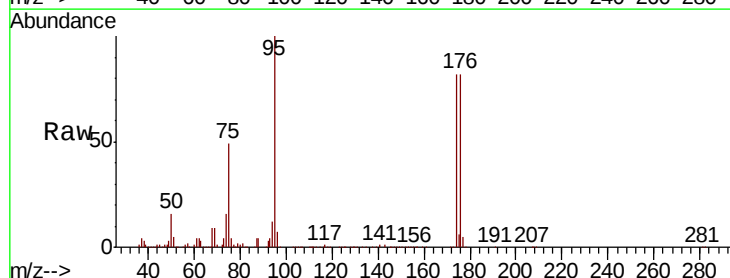
Acq: 03 Jun 2020 11:10

Tgt Ion: 75 Resp: 101545

Ion Ratio Lower Upper

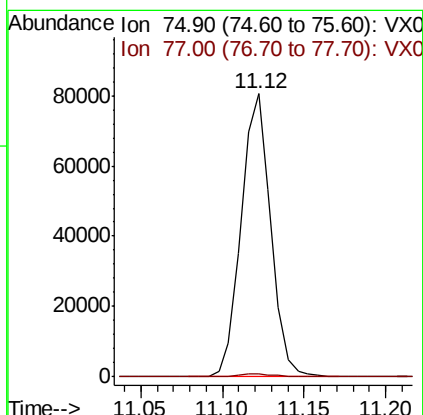
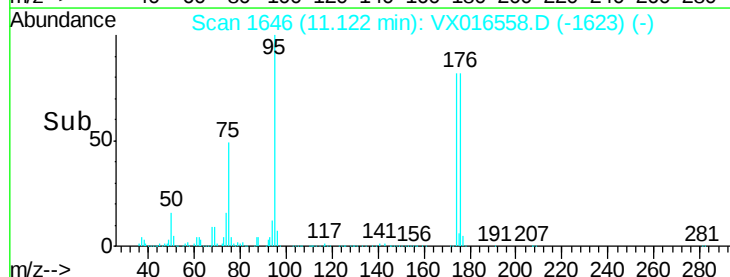
75 100

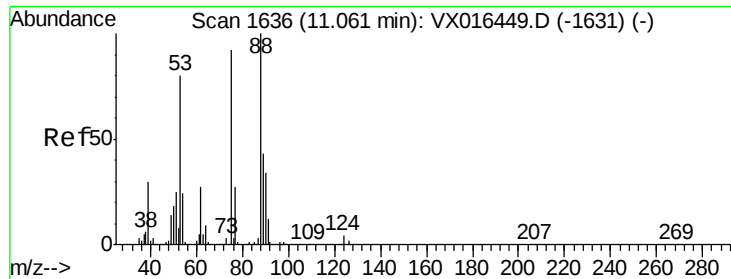
77 1.3 21.3 63.7#



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: 57.535 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

Instrument :

MSVOA_X

ClientSampled :

VX0603WBL01

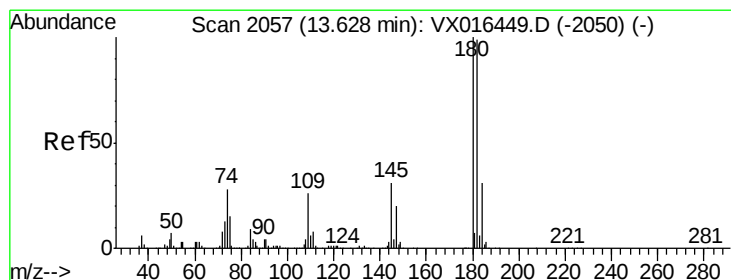
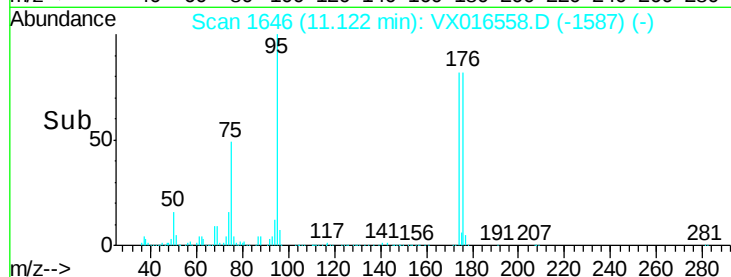
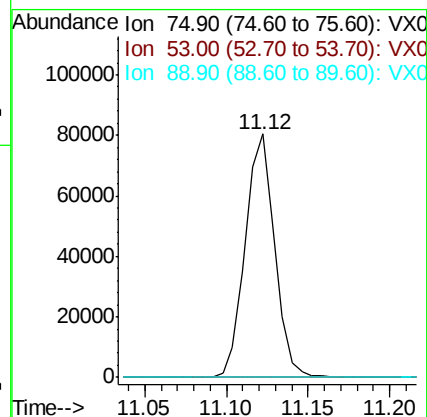
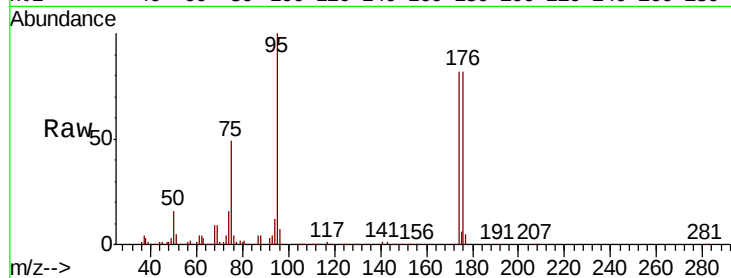
Tot Ion: 75 Resp: 101545

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#



#93

1,2,4-Trichlorobenzene

Concen: 0.286 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

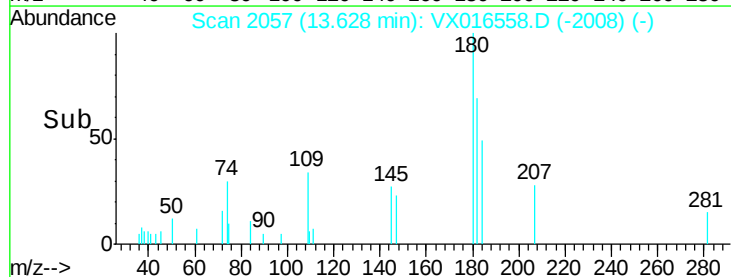
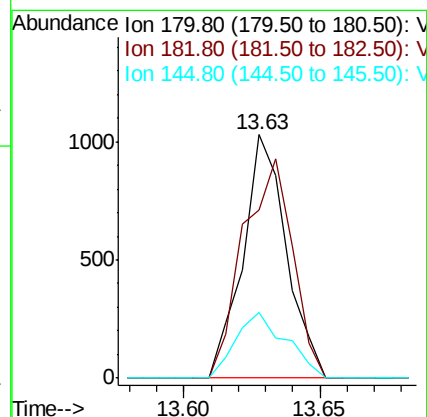
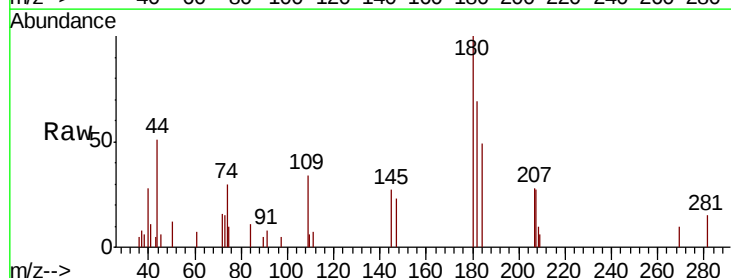
Tgt Ion: 180 Resp: 1143

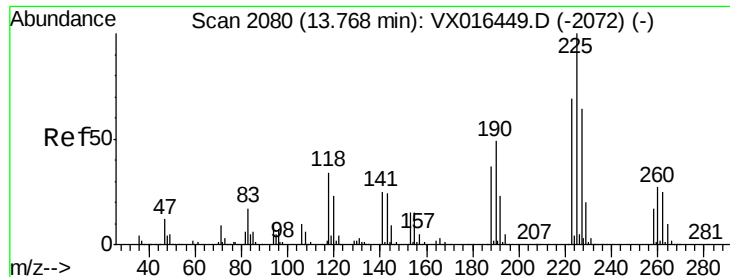
Ion Ratio Lower Upper

180 100

182 101.9 48.3 144.8

145 30.8 15.4 46.2





#94

Hexachlorobutadiene

Concen: 0.449 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX0603WBL01

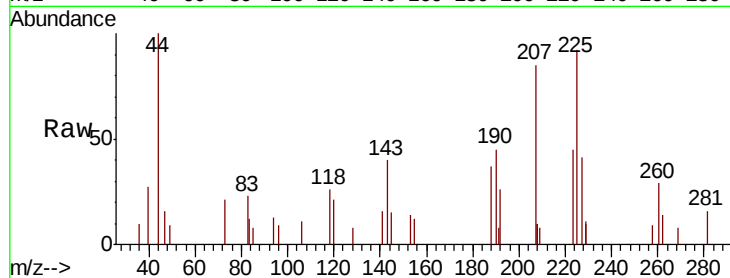
Tot Ion:225 Resp: 705

Ion Ratio Lower Upper

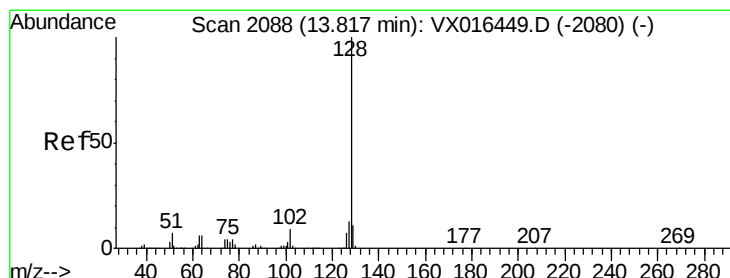
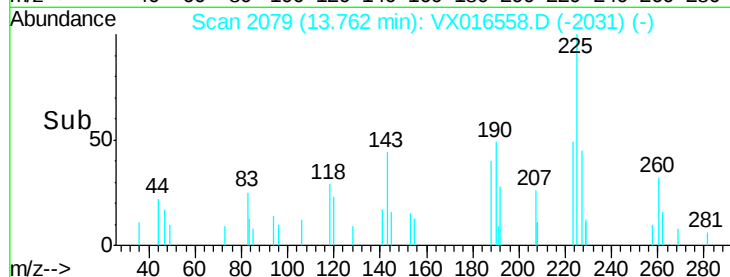
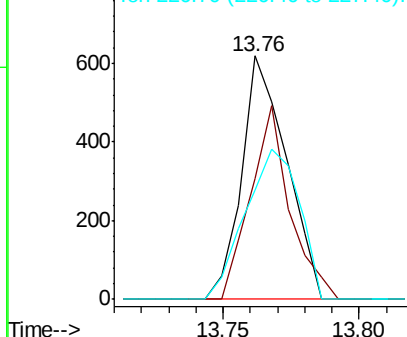
225 100

223 69.9 32.3 96.8

227 74.3 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



#95

Naphthalene

Concen: 0.225 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016558.D

Acq: 03 Jun 2020 11:10

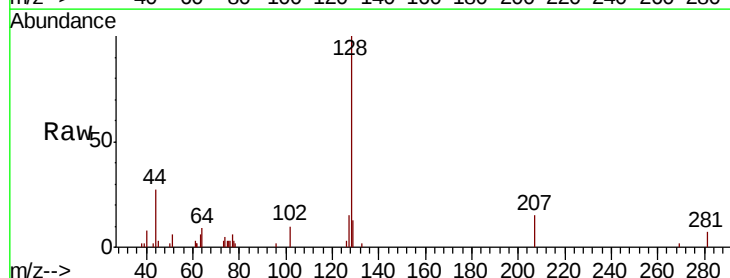
Tgt Ion:128 Resp: 3089

Ion Ratio Lower Upper

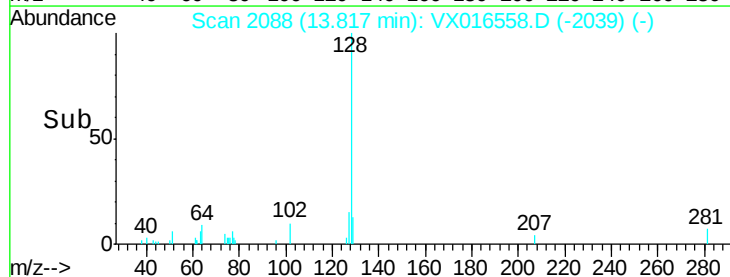
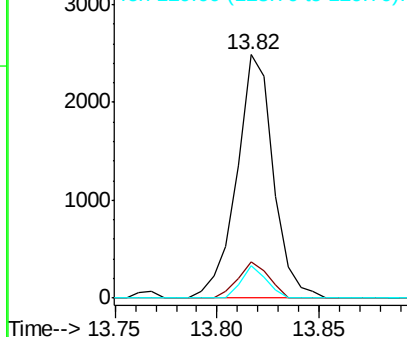
128 100

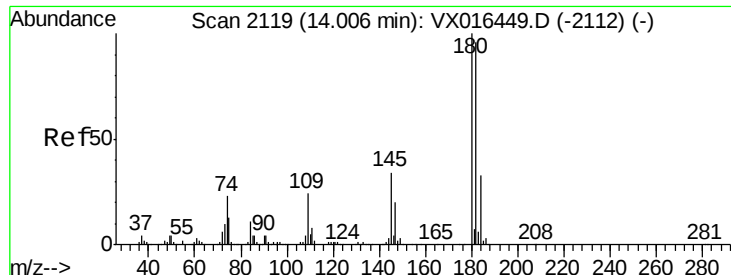
127 12.5 10.6 15.8

129 9.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.345 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016558.D
 Acq: 03 Jun 2020 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0603WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.5	48.6	145.8
145	33.7	16.6	49.8

