

Data File : VX016693.D
Acq On : 11 Jun 2020 10:54
Operator : JC/SP
Sample : VX0611WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL01

Quant Time: Jun 12 06:53:15 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	5.62	168	212890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	333866	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	325054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	146176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	123918	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
35) Dibromofluoromethane	5.46	113	104789	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	8.70	98	407882	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.12	95	152011	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

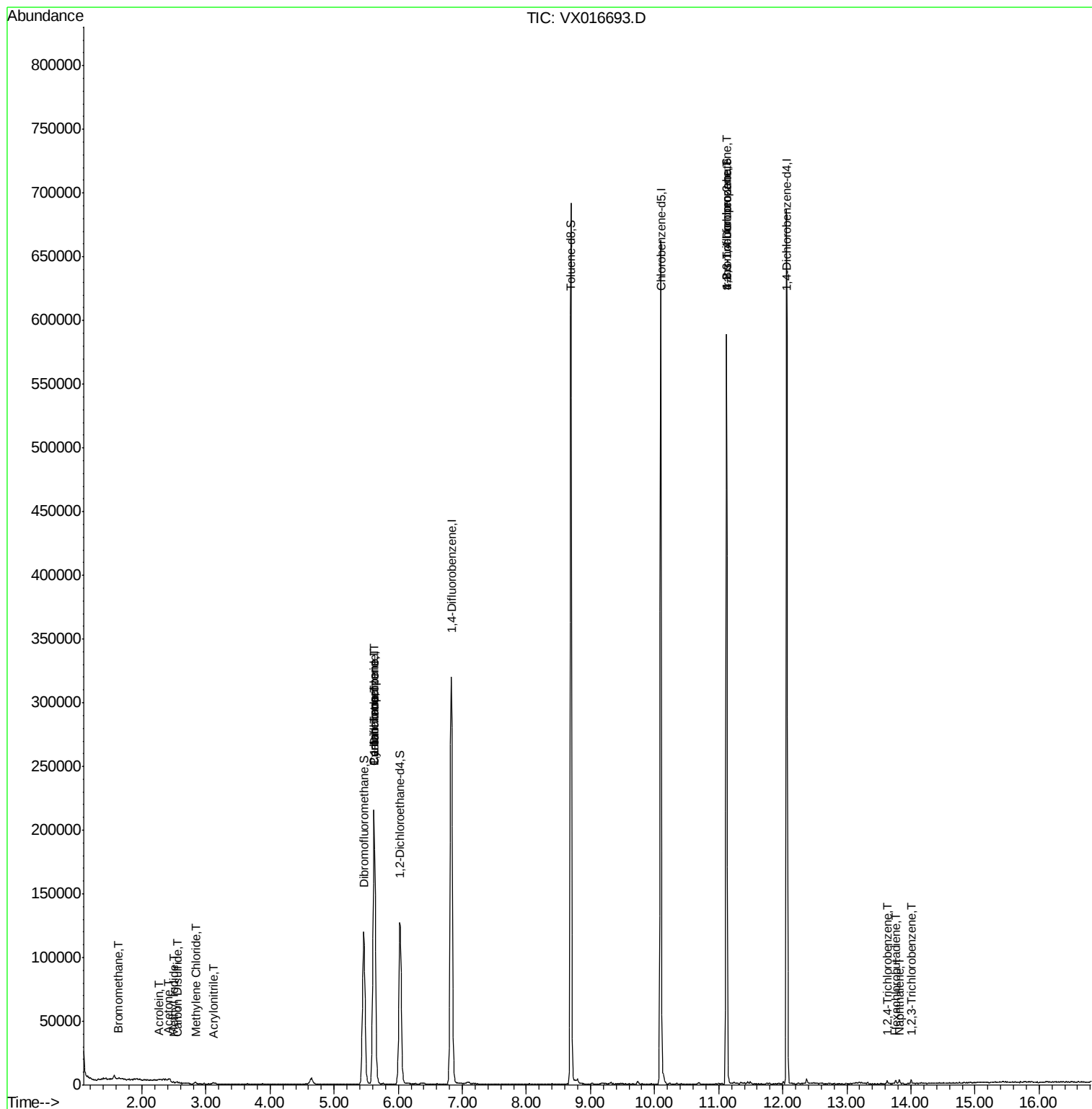
						Qvalue
5) Bromomethane	1.64	94	503	0.386	ug/l	98
10) Methyl Iodide	2.50	142	671	3.328	ug/l #	92
13) Acrolein	2.27	56	395	1.370	ug/l #	60
15) Acrylonitrile	3.11	53	550	0.396	ug/l	90
16) Acetone	2.42	43	1260	1.088	ug/l #	42
17) Carbon Disulfide	2.55	76	1634	0.269	ug/l #	76
20) Methylene Chloride	2.84	84	558	0.233	ug/l #	55
31) Cyclohexane	5.63	56	3712	1.010	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	15010	4.748	ug/l #	51
38) Carbon Tetrachloride	5.62	117	20073	6.043	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	73517	22.881	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	73517	56.284	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	868	0.293	ug/l	89
94) Hexachlorobutadiene	13.77	225	540	0.464	ug/l	90
95) Naphthalene	13.82	128	2130	0.210	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.01	180	846	0.292	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

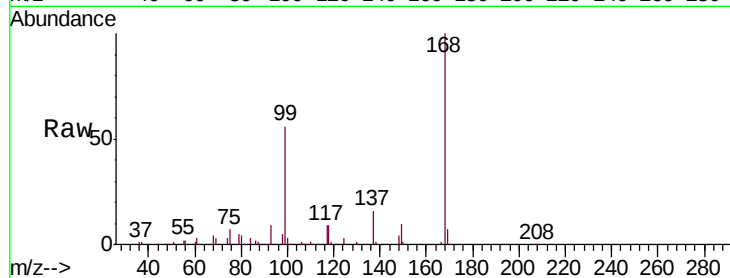
VX0611WBL01

Tgt Ion:168 Resp: 212890

Ion Ratio Lower Upper

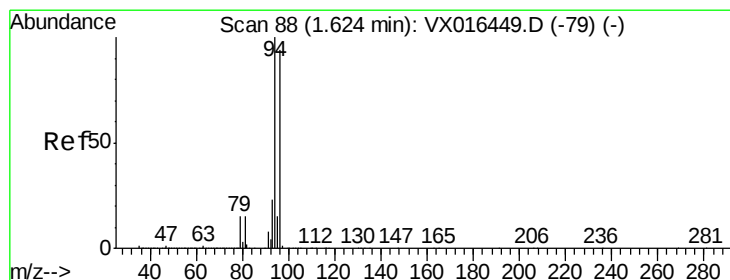
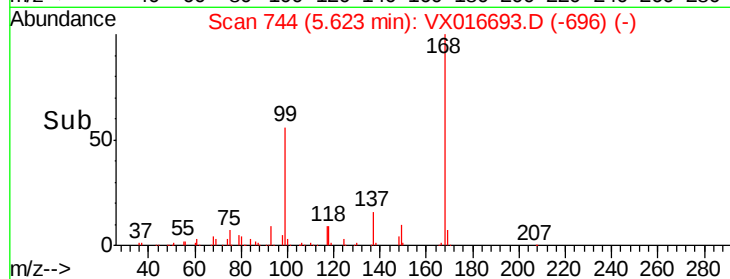
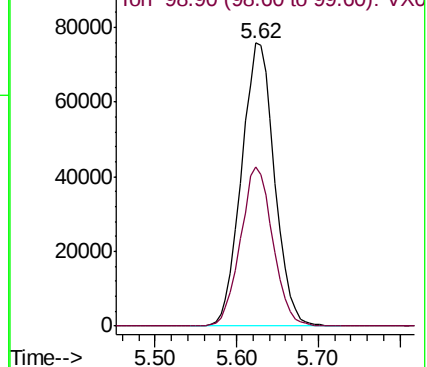
168 100

99 56.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.386 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016693.D

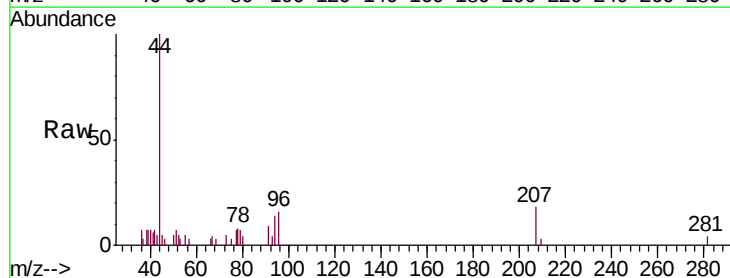
Acq: 11 Jun 2020 10:54

Tgt Ion: 94 Resp: 503

Ion Ratio Lower Upper

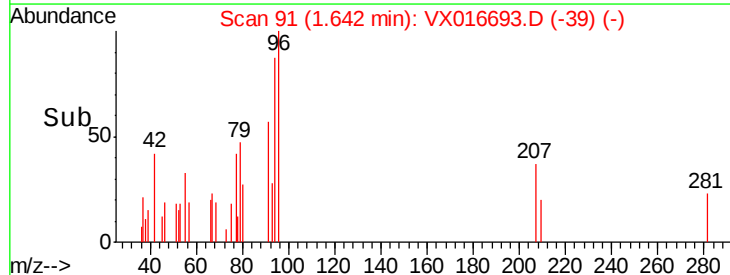
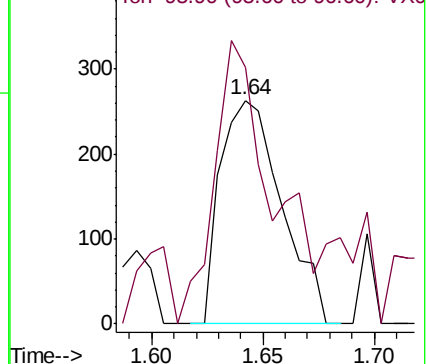
94 100

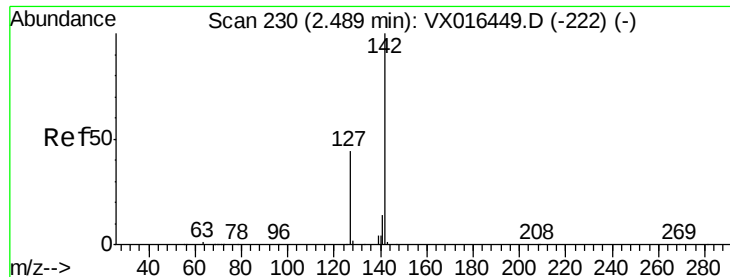
96 95.4 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

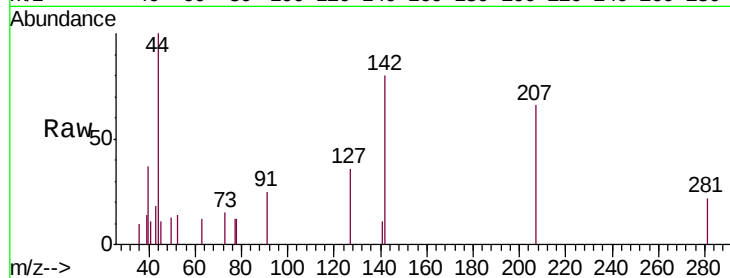




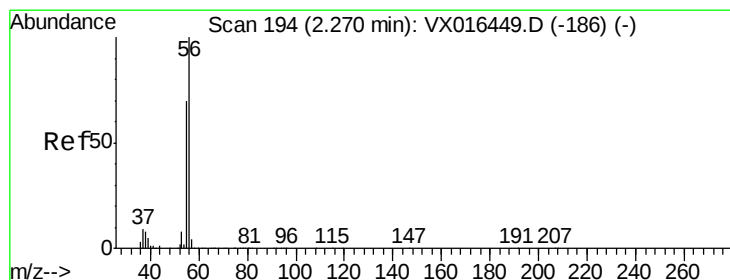
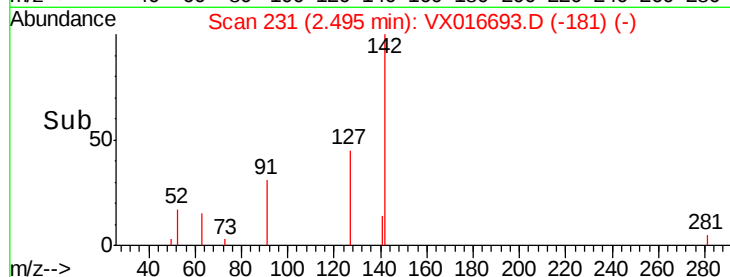
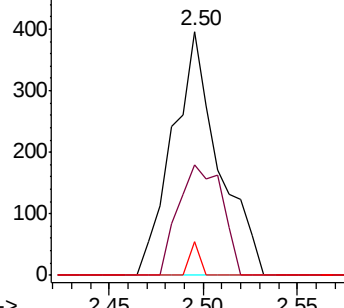
#10
Methyl Iodide
Concen: 3.328 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016693.D
Acq: 11 Jun 2020 10:54

Instrument :
MSVOA_X
ClientSampled :
VX0611WBL01

Tgt Ion:142 Resp: 671
Ion Ratio Lower Upper
142 100
127 43.1 35.3 52.9
141 3.0 11.4 17.2#

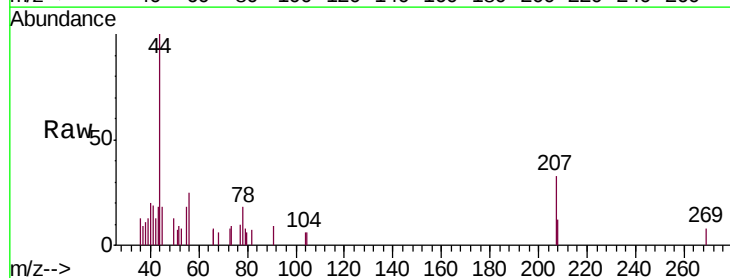


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

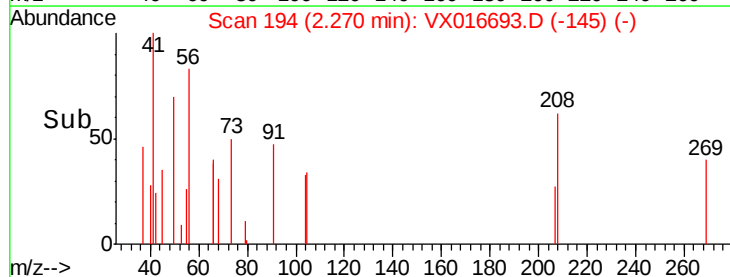
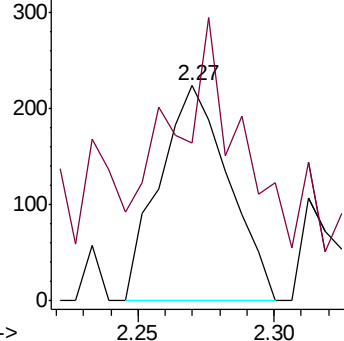


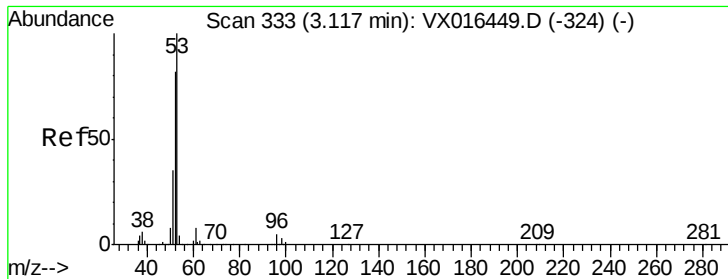
#13
Acrolein
Concen: 1.370 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016693.D
Acq: 11 Jun 2020 10:54

Tgt Ion: 56 Resp: 395
Ion Ratio Lower Upper
56 100
55 106.1 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.396 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBL01

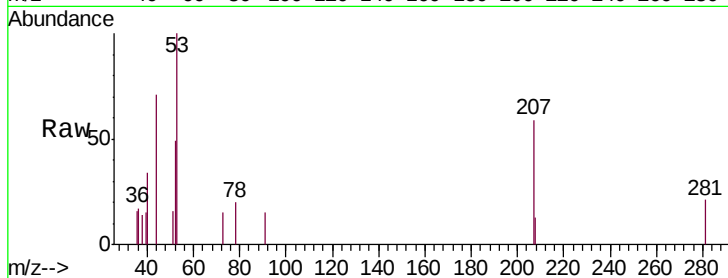
Tgt Ion: 53 Resp: 550

Ion Ratio Lower Upper

53 100

52 93.5 66.7 100.1

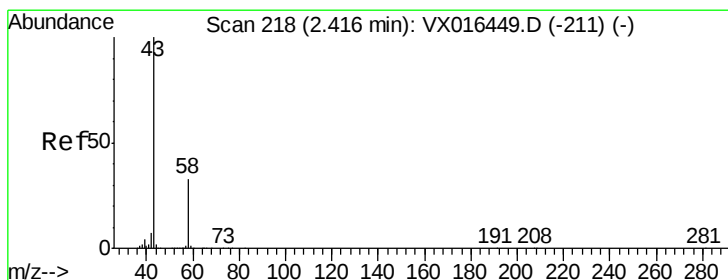
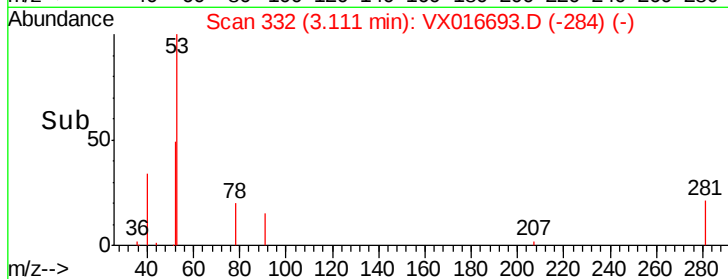
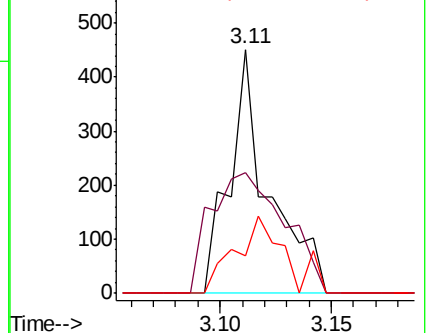
51 40.4 28.6 43.0



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



#16

Acetone

Concen: 1.088 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016693.D

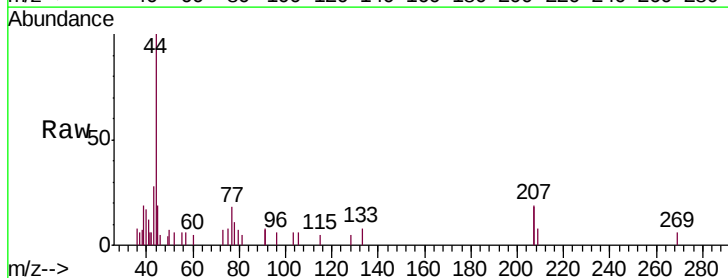
Acq: 11 Jun 2020 10:54

Tgt Ion: 43 Resp: 1260

Ion Ratio Lower Upper

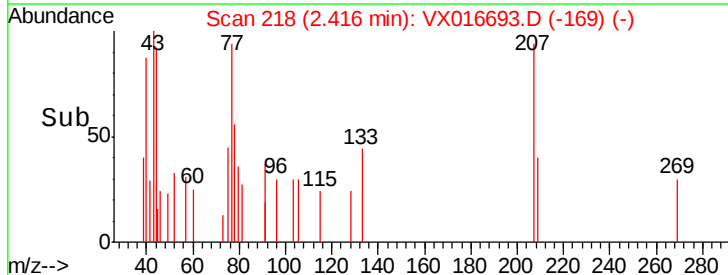
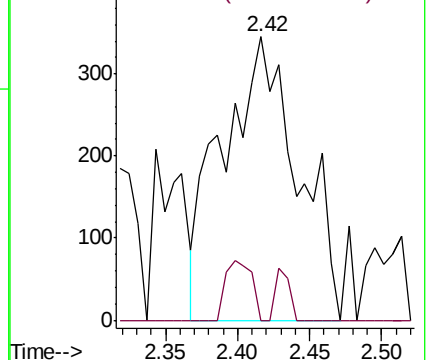
43 100

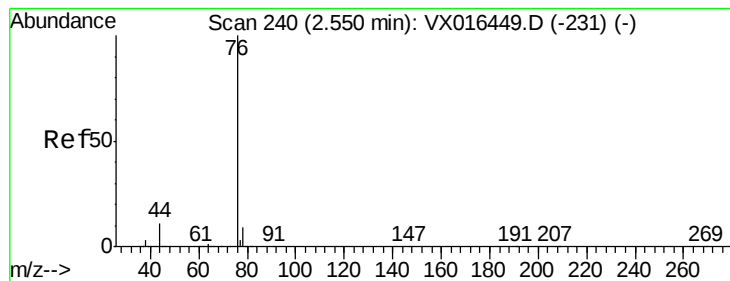
58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.269 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

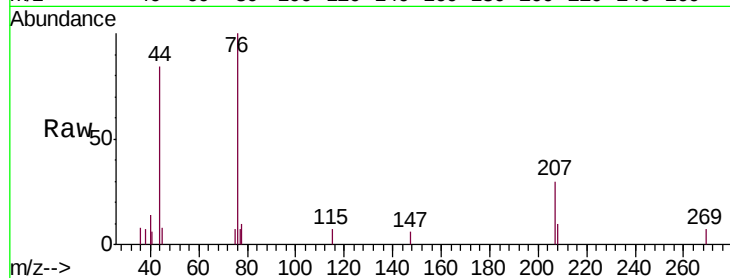
VX0611WBL01

Tgt Ion: 76 Resp: 1634

Ion Ratio Lower Upper

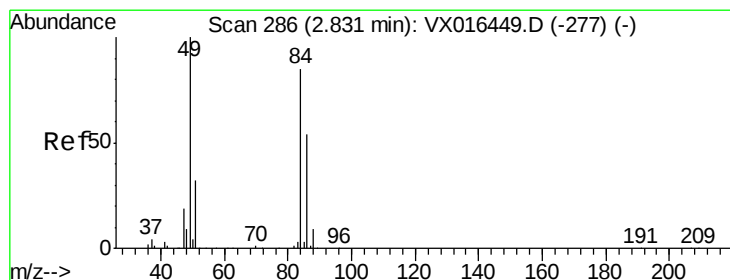
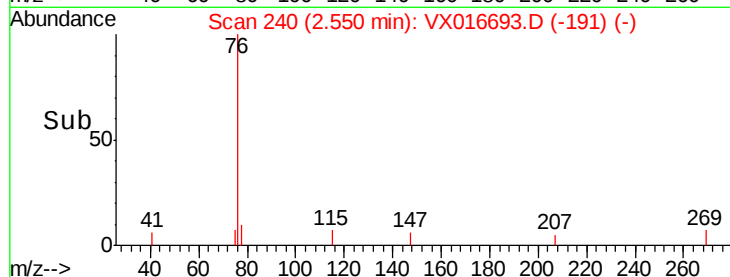
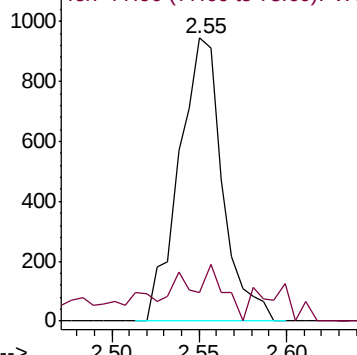
76 100

78 0.4 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: 0.233 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

Tgt Ion: 84 Resp: 558

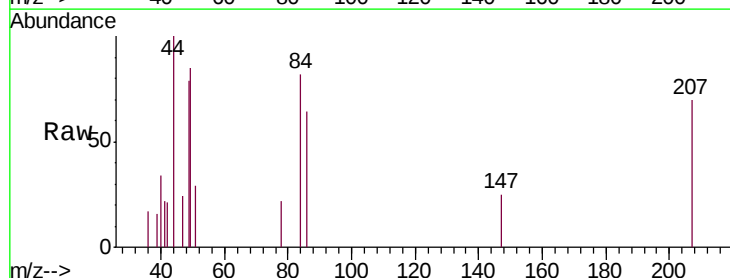
Ion Ratio Lower Upper

84 100

49 199.0 94.5 141.7#

51 34.8 30.2 45.4

86 77.5 51.1 76.7#

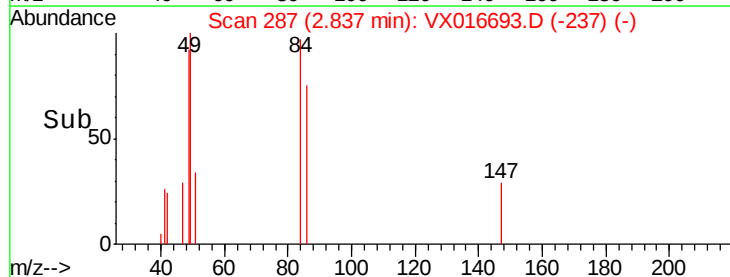
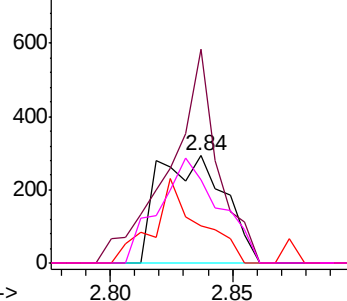


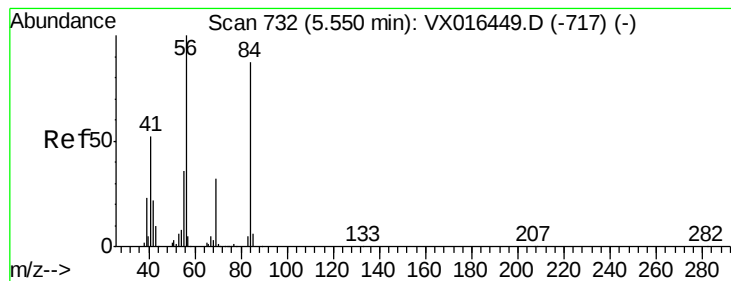
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#31

Cyclohexane

Concen: 1.010 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBL01

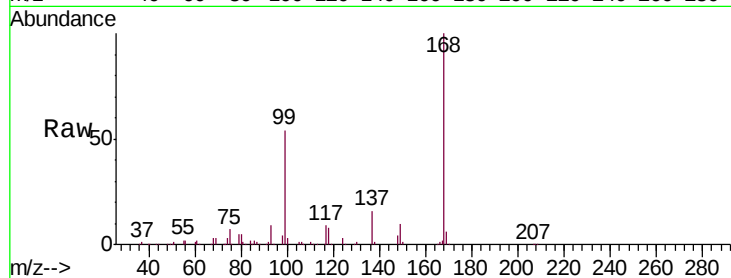
Tgt Ion: 56 Resp: 3712

Ion Ratio Lower Upper

56 100

69 190.7 25.7 38.5#

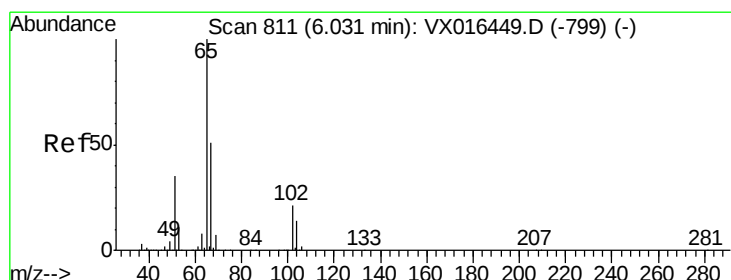
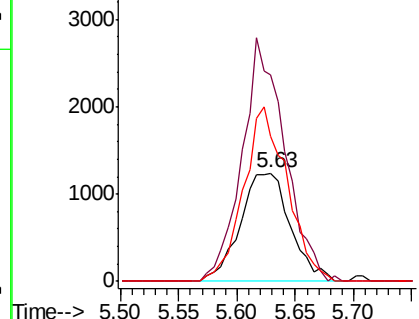
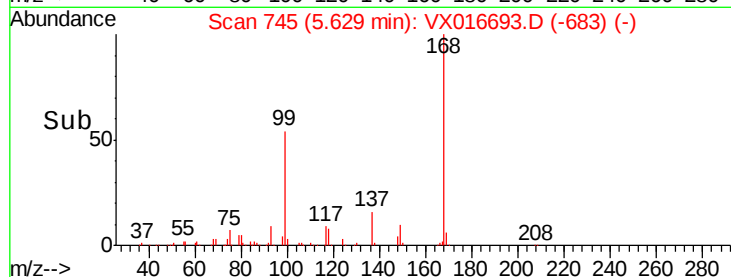
84 143.5 70.0 105.0#



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



#33

1,2-Dichloroethane-d4

Concen: 46.871 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX016693.D

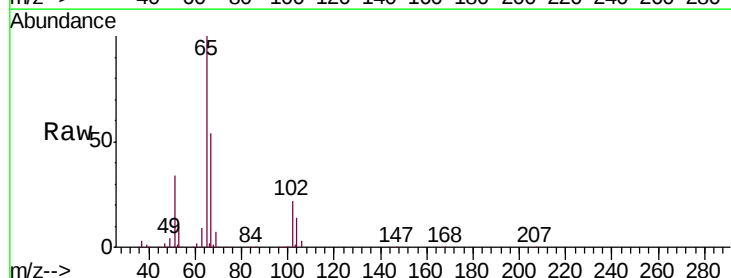
Acq: 11 Jun 2020 10:54

Tgt Ion: 65 Resp: 123918

Ion Ratio Lower Upper

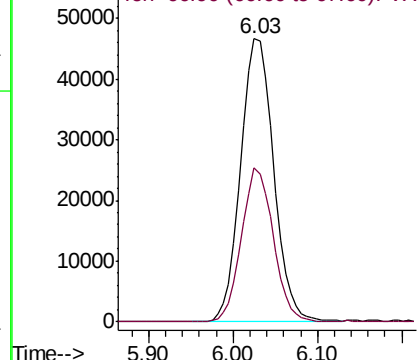
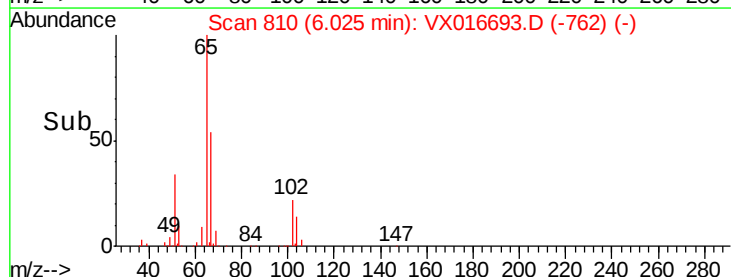
65 100

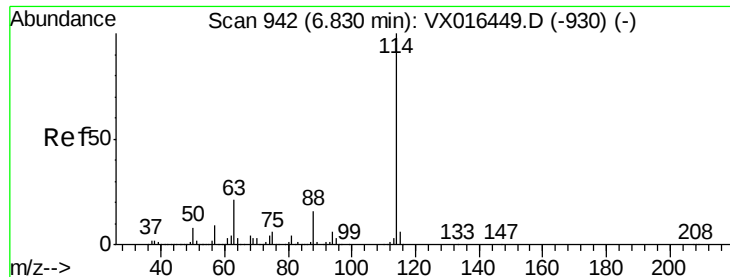
67 52.4 0.0 104.8



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: VX016693.D

Acq: 11 Jun 2020 10:54

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ClientSampleId :

VX0611WBL01

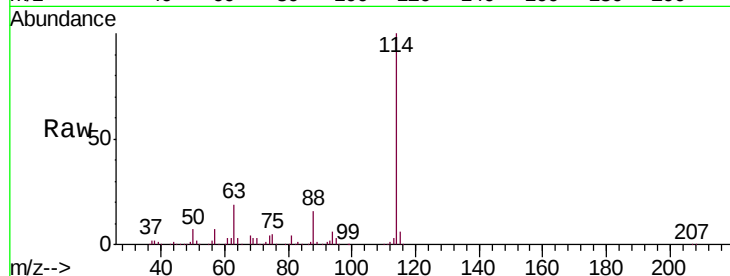
Tgt Ion:114 Resp: 333866

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

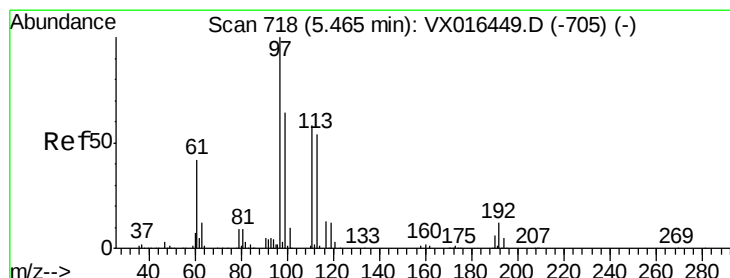
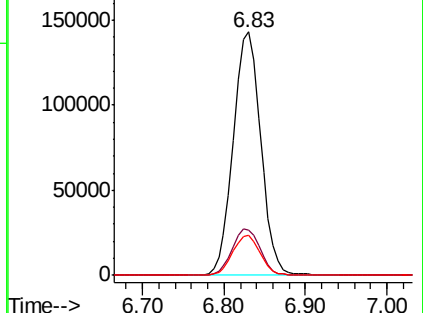
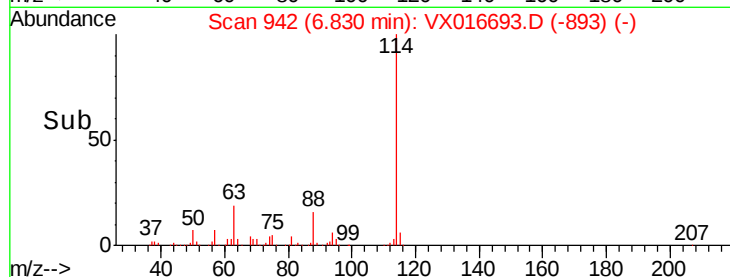
88 16.4 0.0 32.8



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: 50.973 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

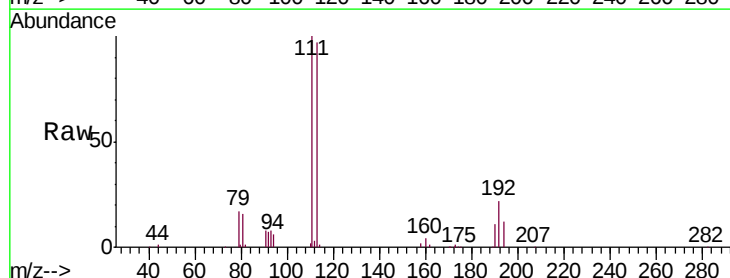
Tgt Ion:113 Resp: 104789

Ion Ratio Lower Upper

113 100

111 100.6 83.0 124.6

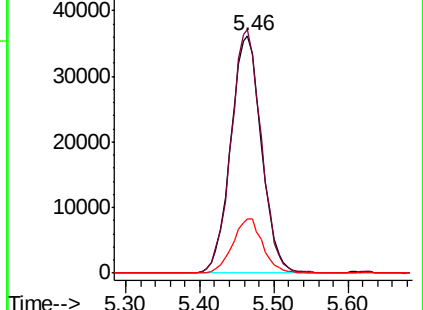
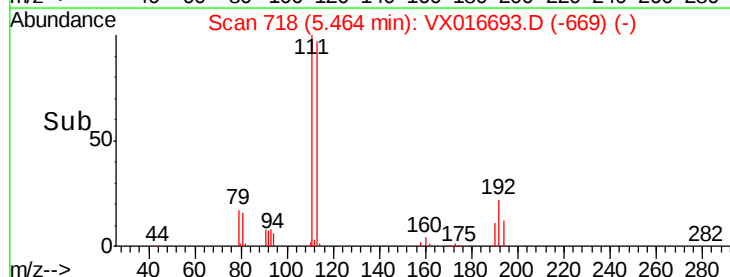
192 22.3 17.7 26.5

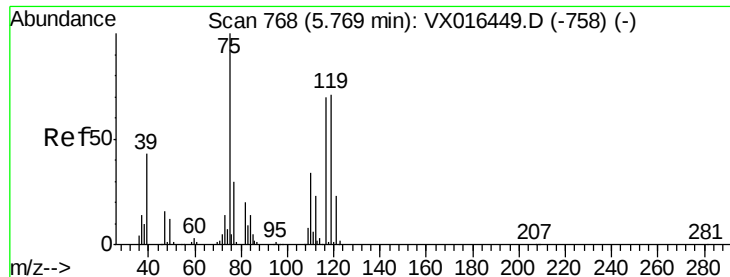


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.748 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBL01

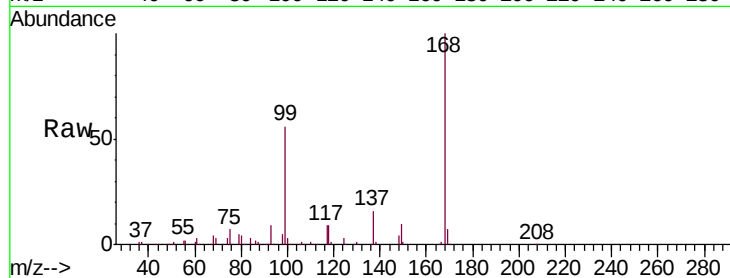
Tgt Ion: 75 Resp: 15010

Ion Ratio Lower Upper

75 100

110 10.0 17.4 52.3#

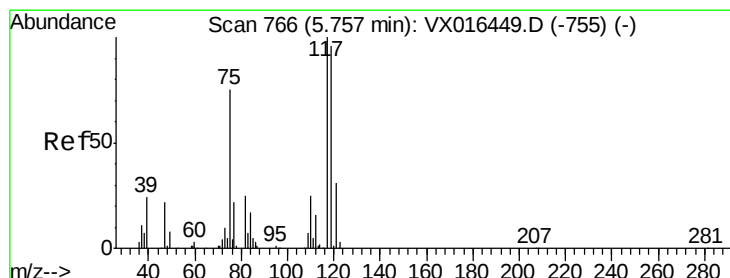
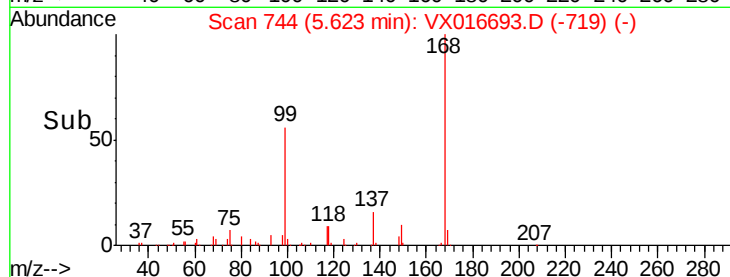
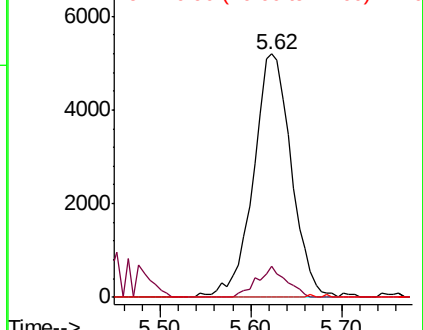
77 0.0 24.2 36.4#



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: 6.043 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

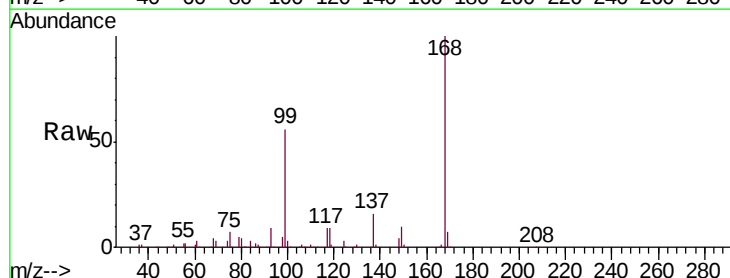
Tgt Ion: 117 Resp: 20073

Ion Ratio Lower Upper

117 100

119 6.0 76.3 114.5#

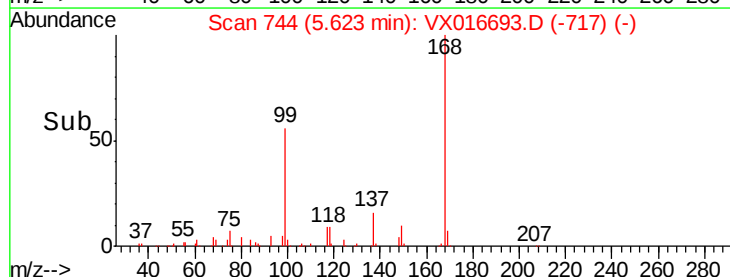
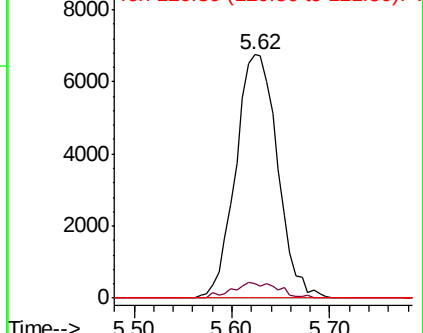
121 0.0 24.6 37.0#

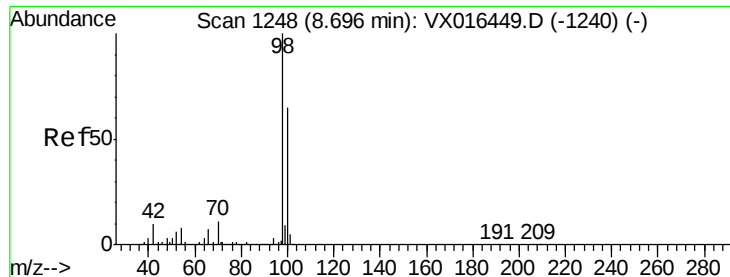


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.976 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

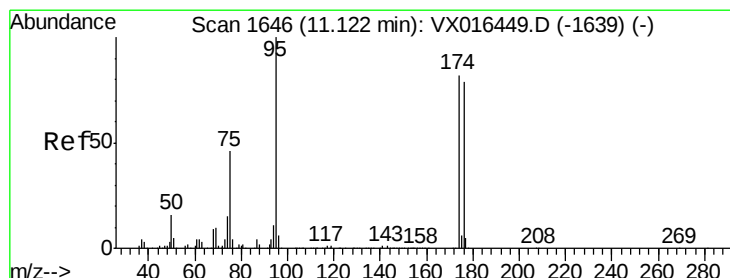
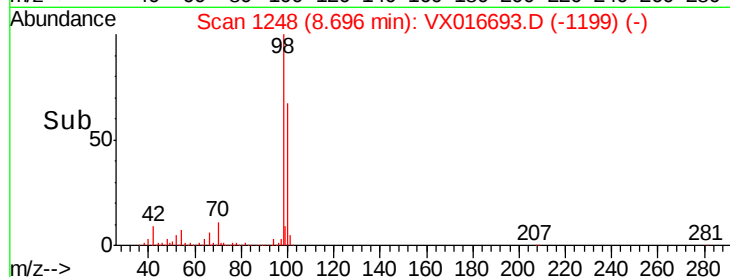
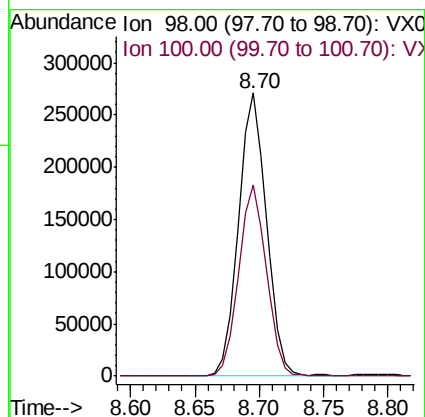
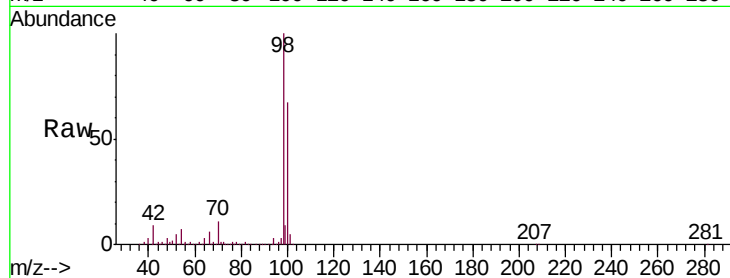
VX0611WBL01

Tgt Ion: 98 Resp: 407882

Ion Ratio Lower Upper

98 100

100 67.1 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 49.167 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

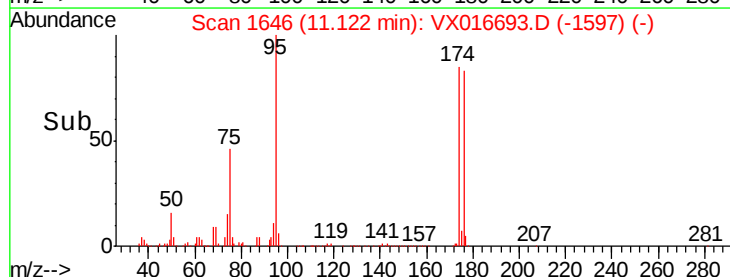
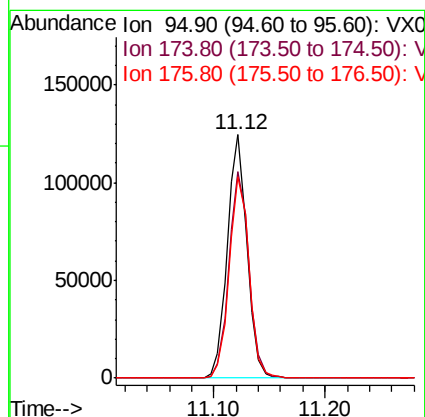
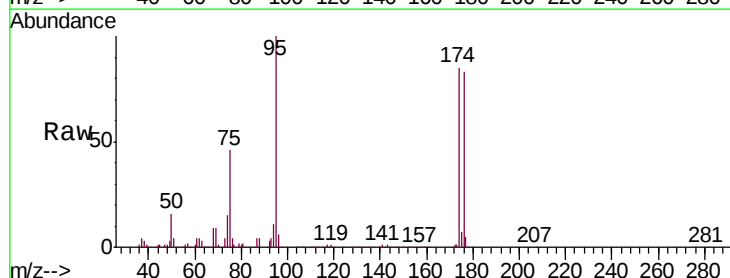
Tgt Ion: 95 Resp: 152011

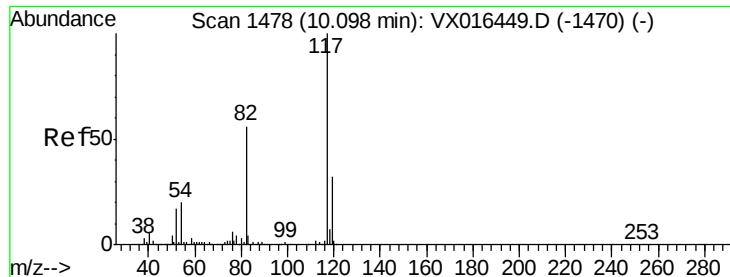
Ion Ratio Lower Upper

95 100

174 86.3 0.0 163.0

176 83.5 0.0 156.8

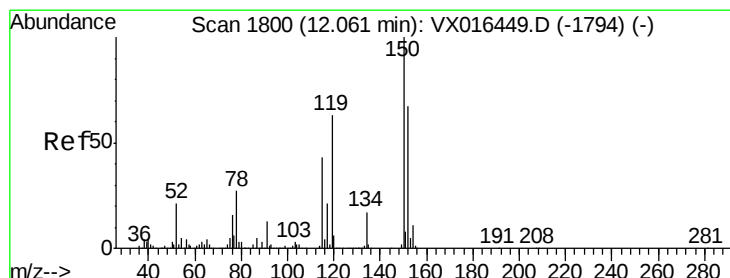
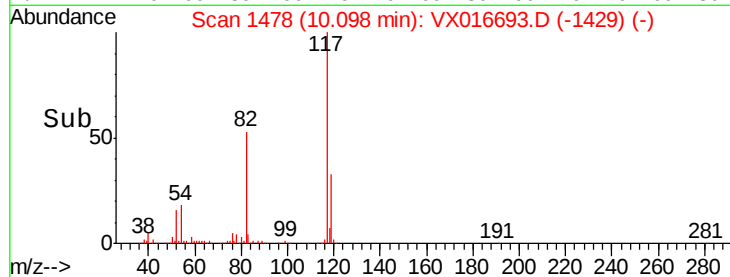
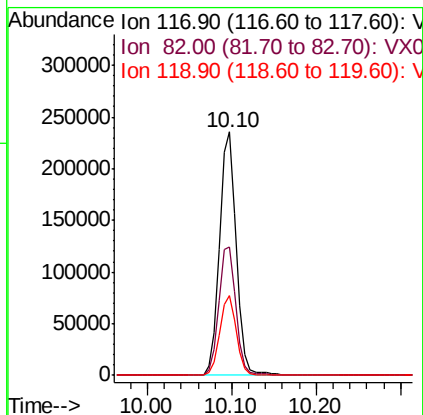
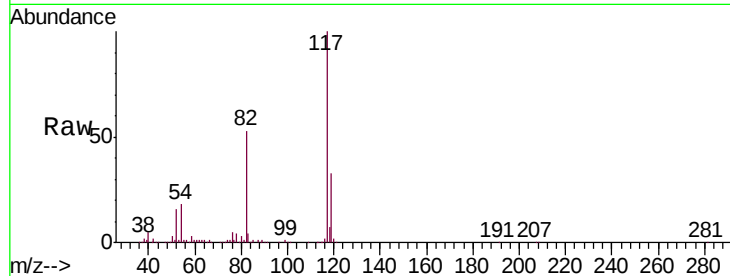




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016693.D
Acq: 11 Jun 2020 10:54

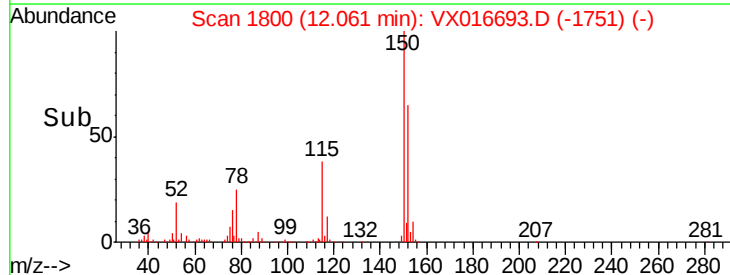
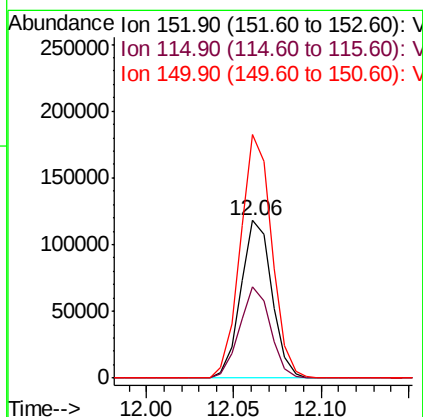
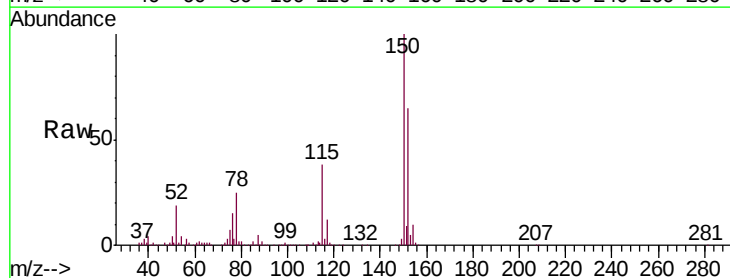
Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL01

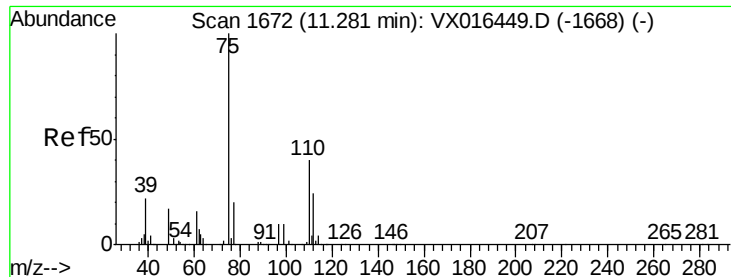
Tgt Ion:117 Resp: 325054
Ion Ratio Lower Upper
117 100
82 52.9 45.0 67.6
119 32.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016693.D
Acq: 11 Jun 2020 10:54

Tgt Ion:152 Resp: 146176
Ion Ratio Lower Upper
152 100
115 57.6 39.9 119.6
150 155.5 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 22.881 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

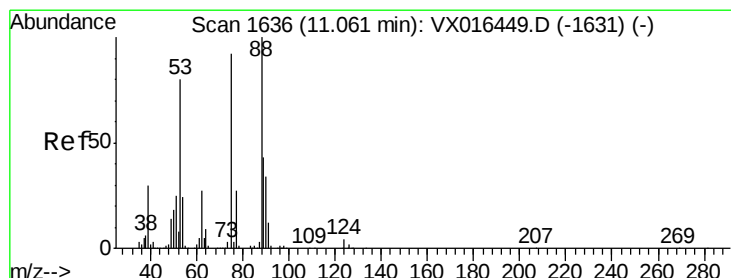
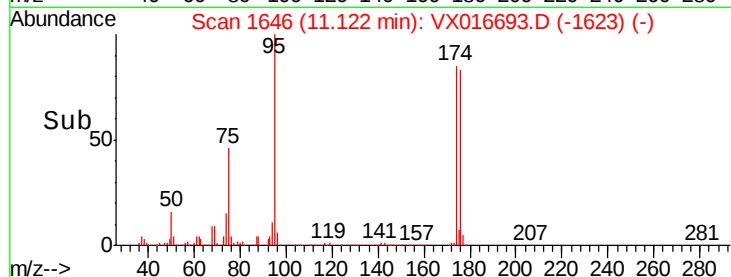
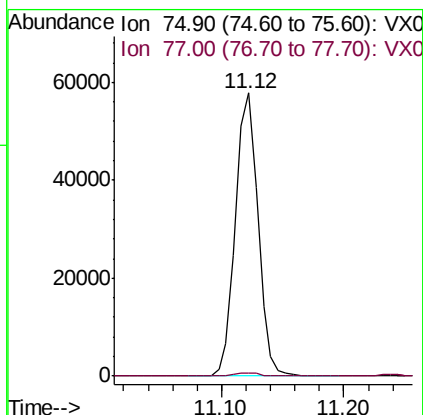
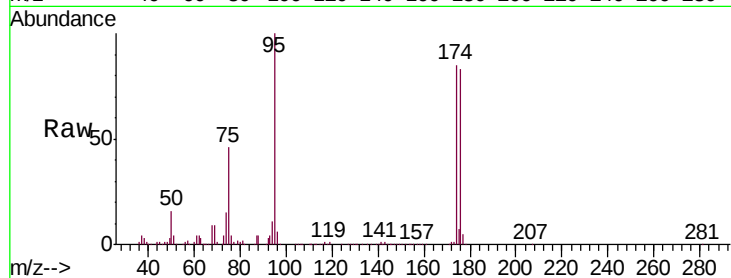
VX0611WBL01

Tgt Ion: 75 Resp: 73517

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.284 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016693.D

Acq: 11 Jun 2020 10:54

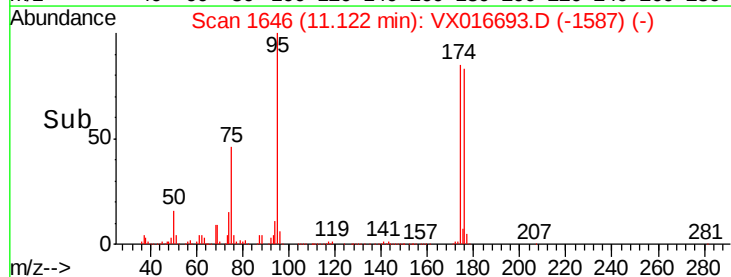
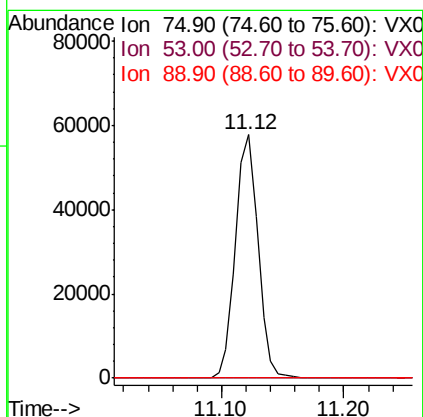
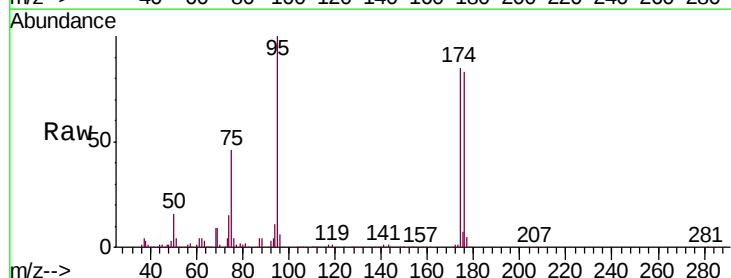
Tgt Ion: 75 Resp: 73517

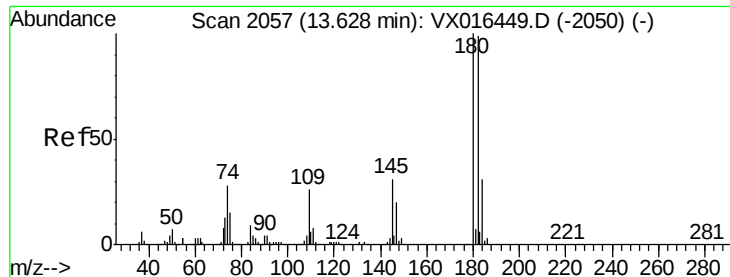
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

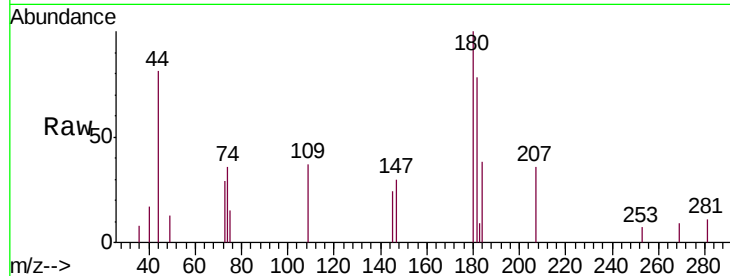




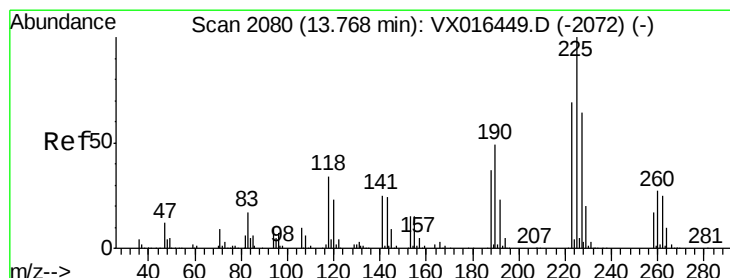
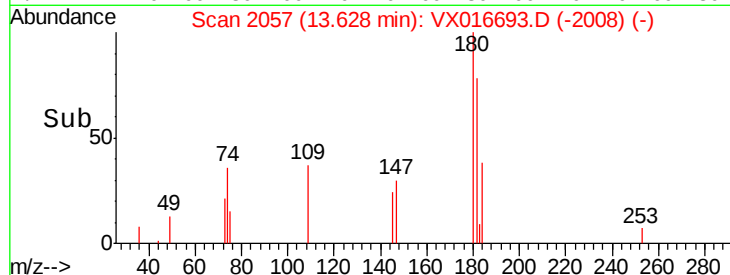
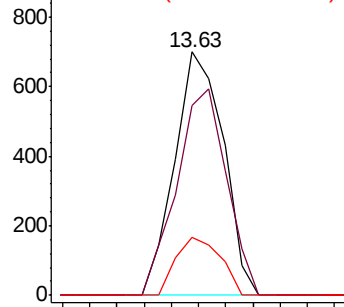
#93
 1,2,4-Trichlorobenzene
 Concen: 0.293 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016693.D
 Acq: 11 Jun 2020 10:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBL01

Tgt Ion:180 Resp: 868
 Ion Ratio Lower Upper
 180 100
 182 87.1 48.3 144.8
 145 21.7 15.4 46.2

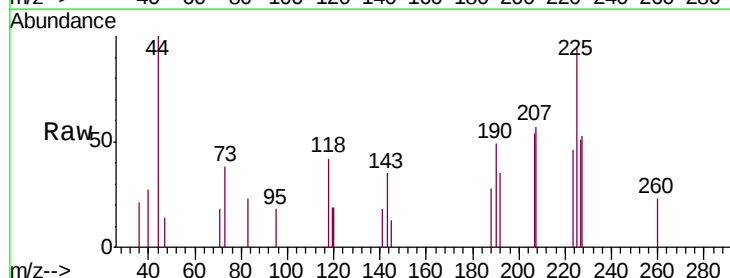


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

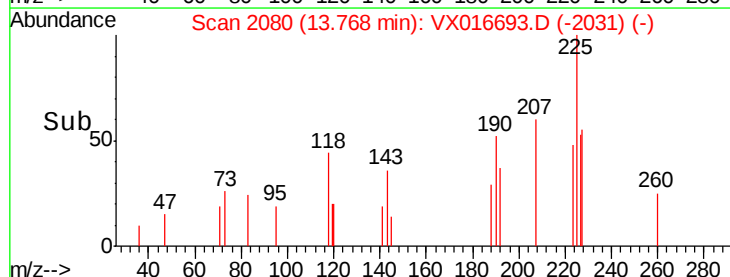
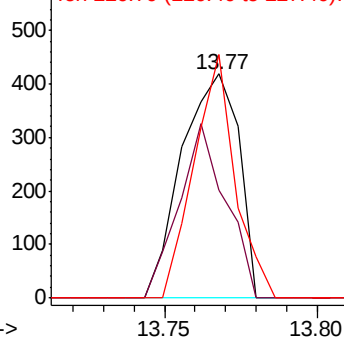


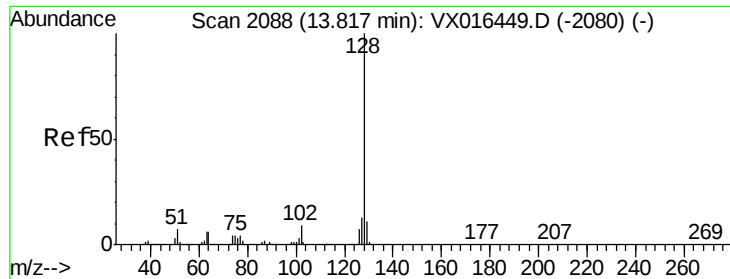
#94
 Hexachlorobutadiene
 Concen: 0.464 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016693.D
 Acq: 11 Jun 2020 10:54

Tgt Ion:225 Resp: 540
 Ion Ratio Lower Upper
 225 100
 223 63.5 32.3 96.8
 227 78.3 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

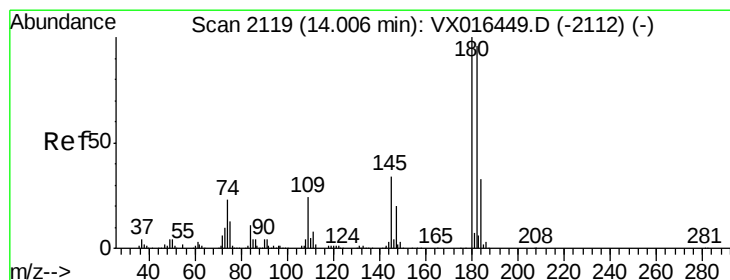
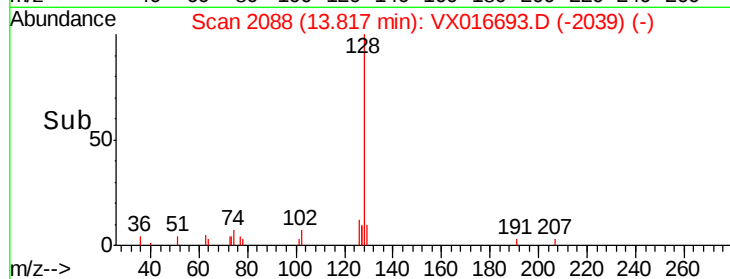
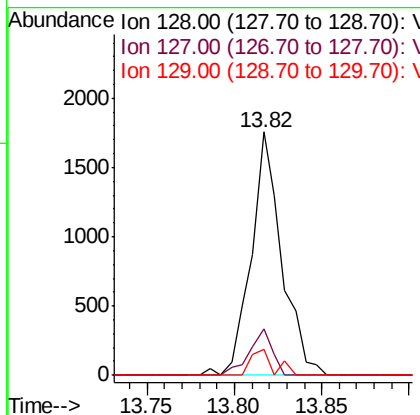
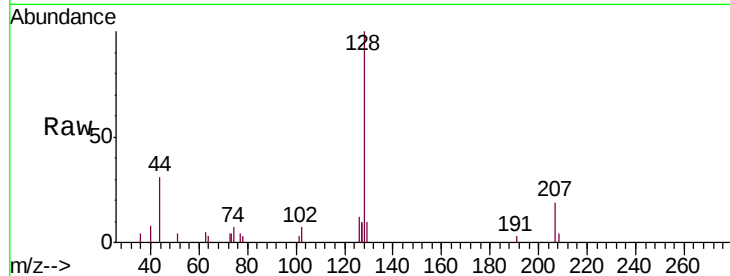




#95
Naphthalene
Concen: 0.210 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016693.D
Acq: 11 Jun 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBL01

Tgt Ion:128 Resp: 2130
Ion Ratio Lower Upper
128 100
127 13.9 10.6 15.8
129 7.4 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.292 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016693.D
Acq: 11 Jun 2020 10:54

Tgt Ion:180 Resp: 846
Ion Ratio Lower Upper
180 100
182 92.9 48.6 145.8
145 32.9 16.6 49.8

