

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016576.D
 Acq On : 04 Jun 2020 10:33
 Operator : JC/SP
 Sample : VX0604WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:20:11 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	238543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	382946	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	377894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	180789	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	140744	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	5.46	113	114161	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	8.70	98	471313	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	11.12	95	184516	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	

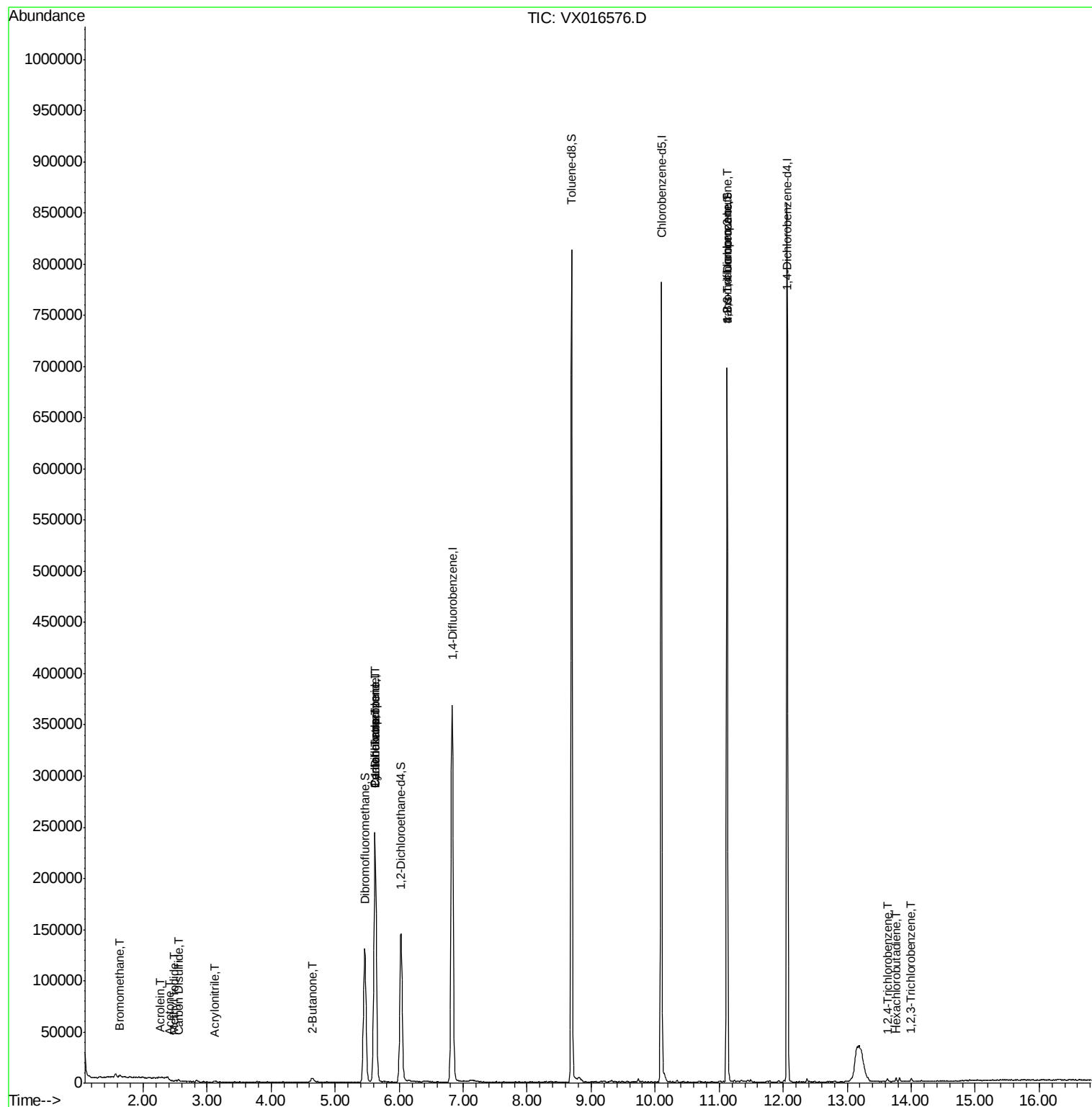
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	955	0.655	ug/l	88
10) Methyl Iodide	2.49	142	777	3.337	ug/l #	81
13) Acrolein	2.27	56	568	1.758	ug/l #	52
15) Acrylonitrile	3.11	53	513	0.330	ug/l #	78
16) Acetone	2.42	43	373	0.287	ug/l #	84
17) Carbon Disulfide	2.55	76	1704	0.250	ug/l	97
25) 2-Butanone	4.64	43	469	0.213	ug/l #	49
31) Cyclohexane	5.62	56	4512	1.096	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	17466	4.817	ug/l #	50
38) Carbon Tetrachloride	5.62	117	22772	5.976	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	91119	22.930	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	91119	56.404	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1039	0.284	ug/l	94
94) Hexachlorobutadiene	13.77	225	722	0.502	ug/l	96
96) 1,2,3-Trichlorobenzene	14.00	180	899	0.251	ug/l	95

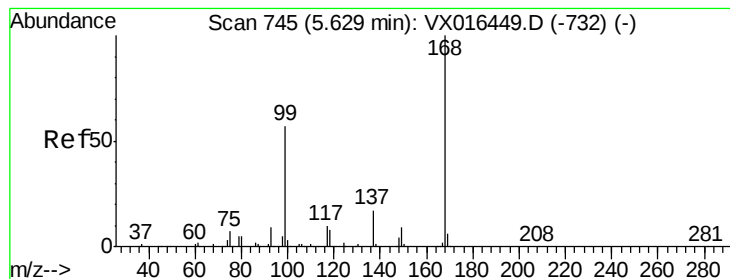
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016576.D

Acq: 04 Jun 2020 10:33

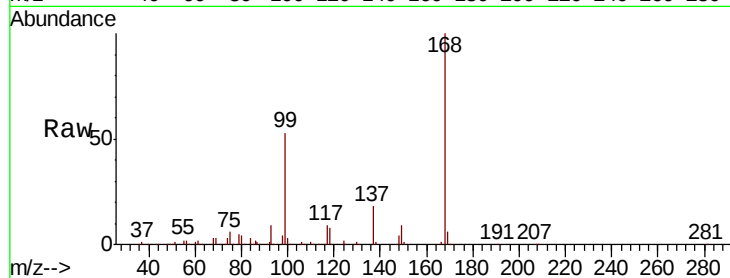
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 238543

Ion Ratio Lower Upper

168 100

99 52.7 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

80000

60000

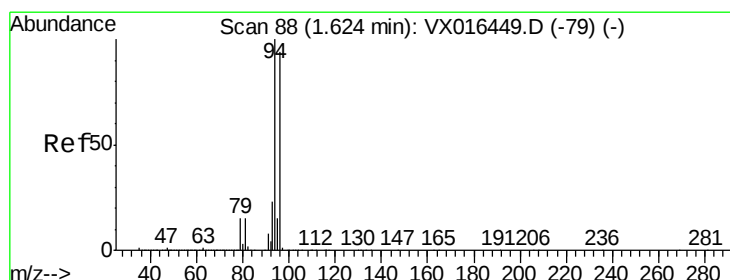
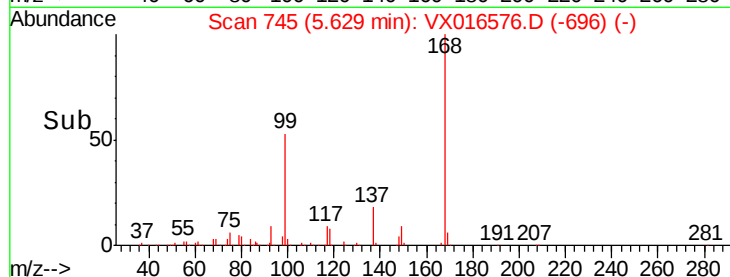
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.655 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016576.D

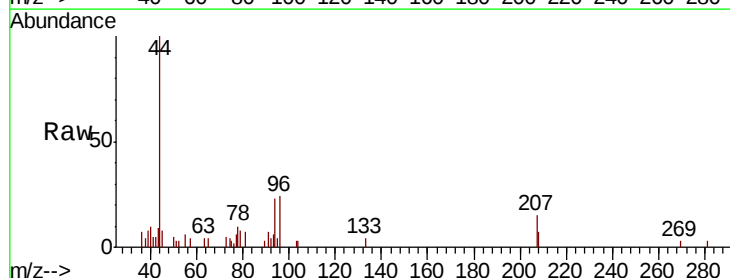
Acq: 04 Jun 2020 10:33

Tgt Ion: 94 Resp: 955

Ion Ratio Lower Upper

94 100

96 105.9 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

500

400

300

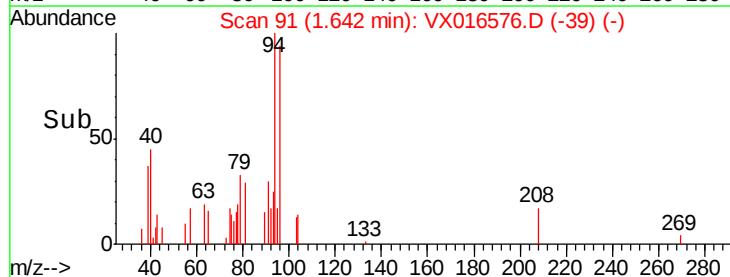
200

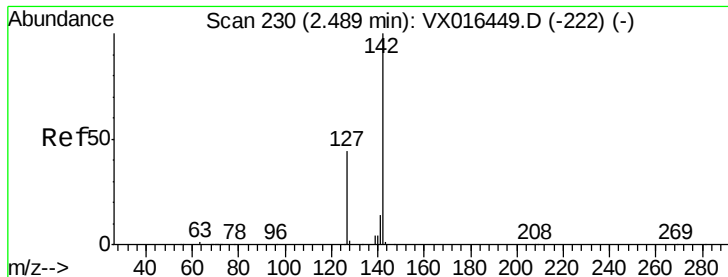
100

0

Time-->

1.60 1.65 1.70

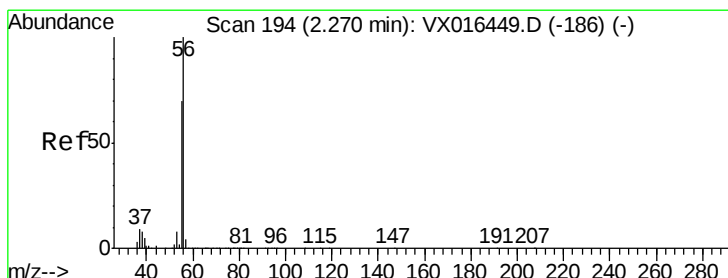
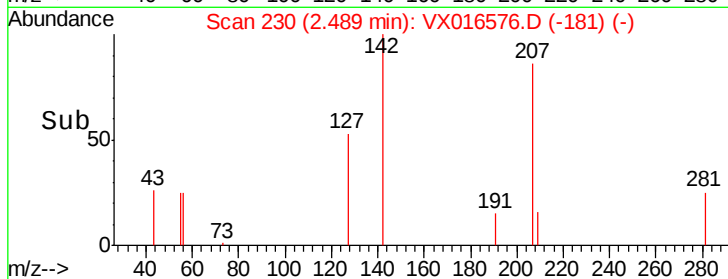
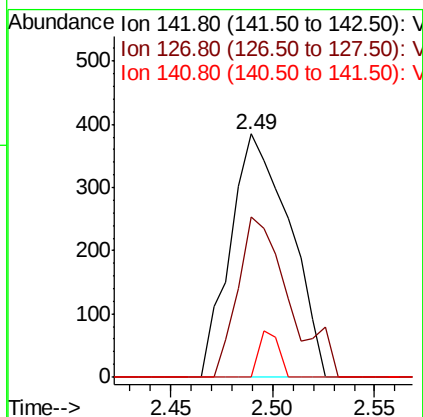
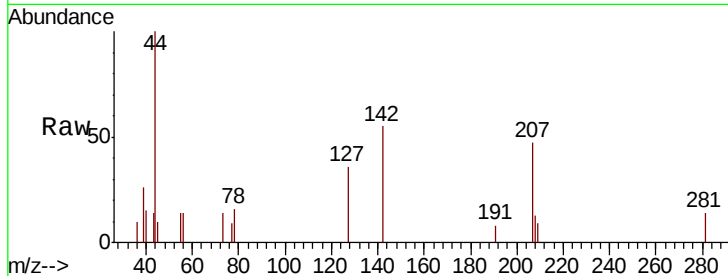




#10
Methyl Iodide
Concen: 3.337 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX016576.D
Acq: 04 Jun 2020 10:33

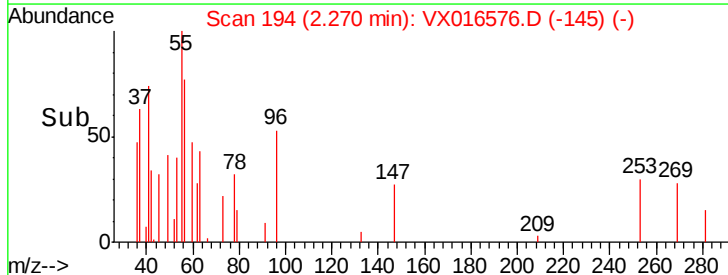
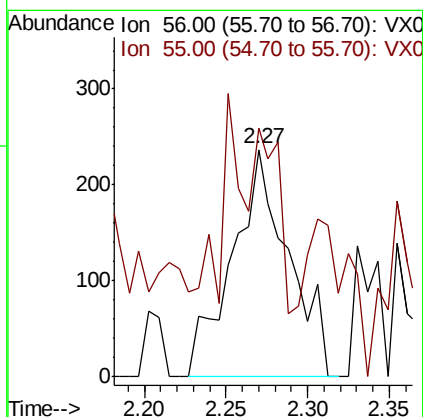
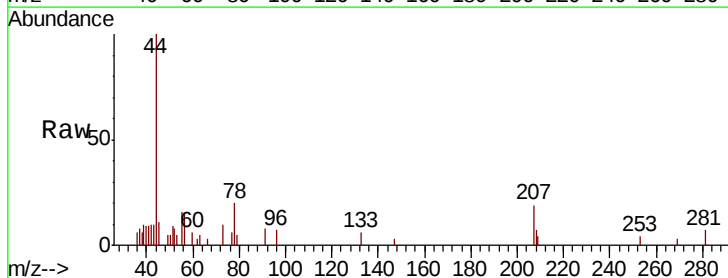
Instrument :
MSVOA_X
ClientSampled :

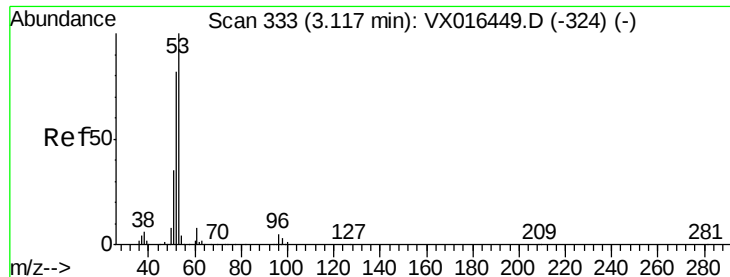
Tot Ion:142 Resp: 777
Ion Ratio Lower Upper
142 100
127 56.8 35.3 52.9#
141 6.4 11.4 17.2#



#13
Acrolein
Concen: 1.758 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016576.D
Acq: 04 Jun 2020 10:33

Tgt Ion: 56 Resp: 568
Ion Ratio Lower Upper
56 100
55 32.7 58.3 87.5#





#15

Acrylonitrile

Concen: 0.330 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016576.D

Acq: 04 Jun 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

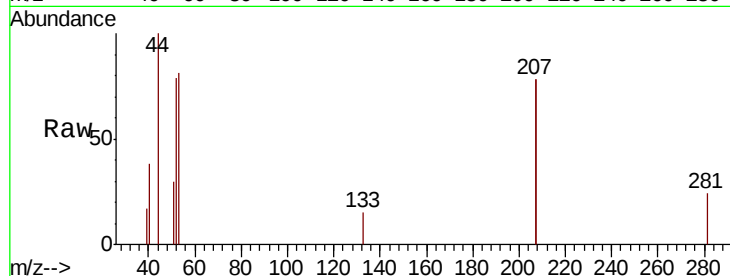
Tot Ion: 53 Resp: 513

Ion Ratio Lower Upper

53 100

52 108.6 66.7 100.1#

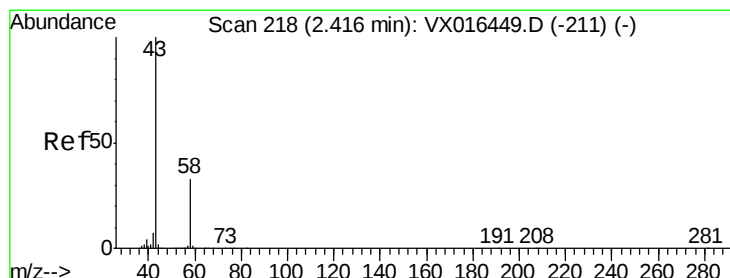
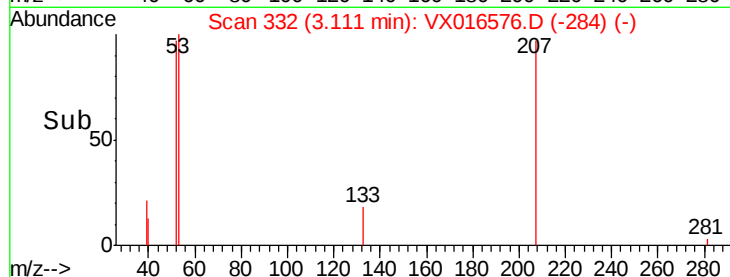
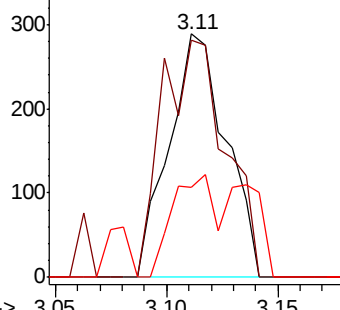
51 31.6 28.6 43.0



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: 0.287 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016576.D

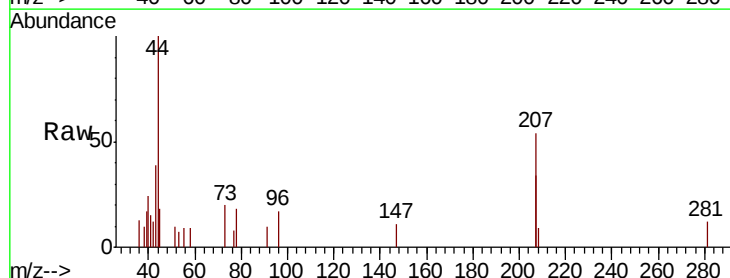
Acq: 04 Jun 2020 10:33

Tgt Ion: 43 Resp: 373

Ion Ratio Lower Upper

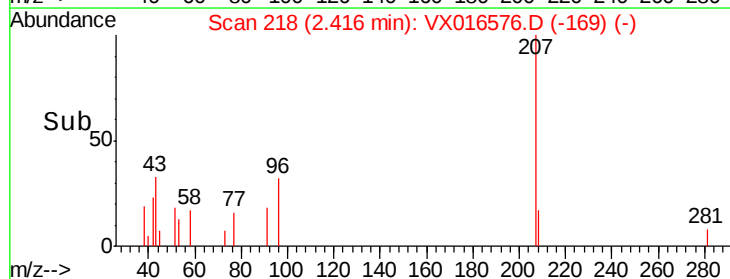
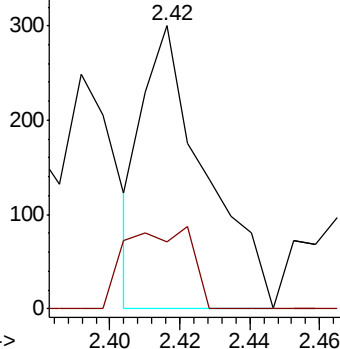
43 100

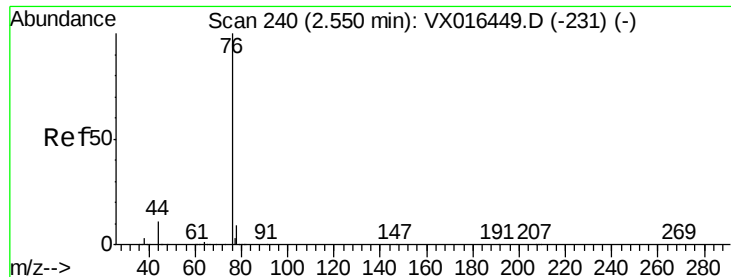
58 23.7 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

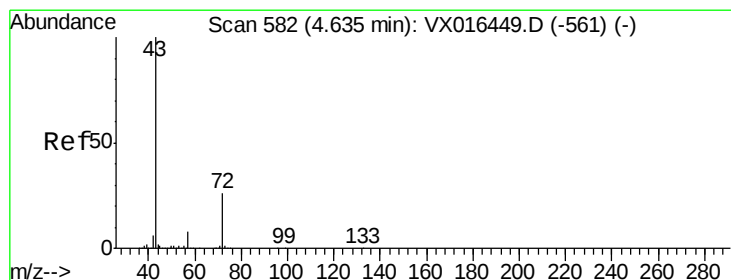
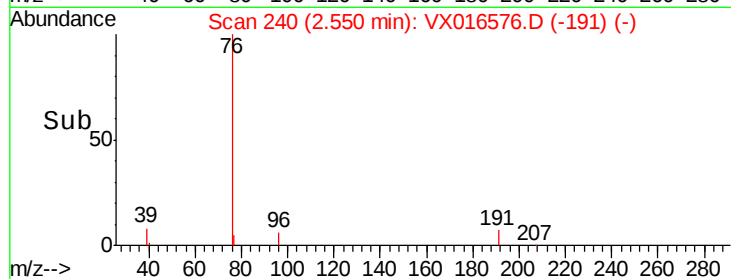
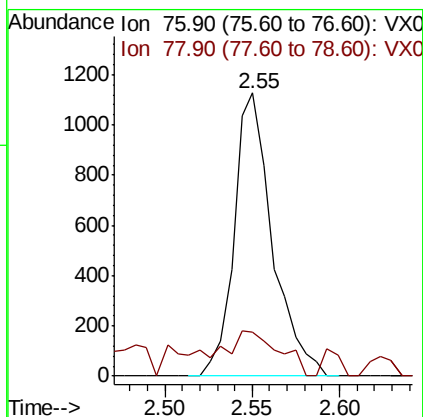
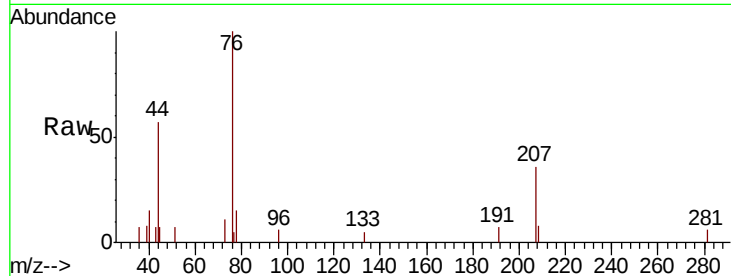




#17
Carbon Disulfide
Concen: 0.250 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016576.D
Acq: 04 Jun 2020 10:33

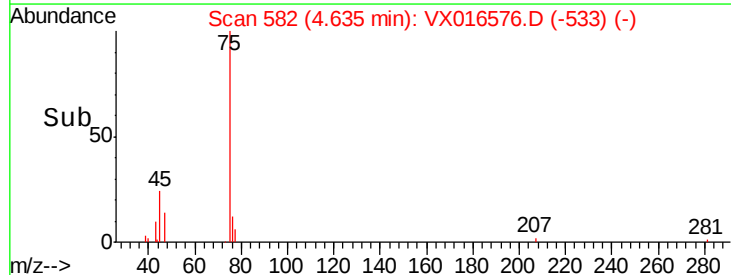
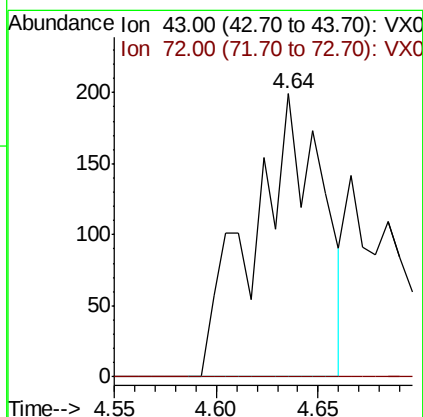
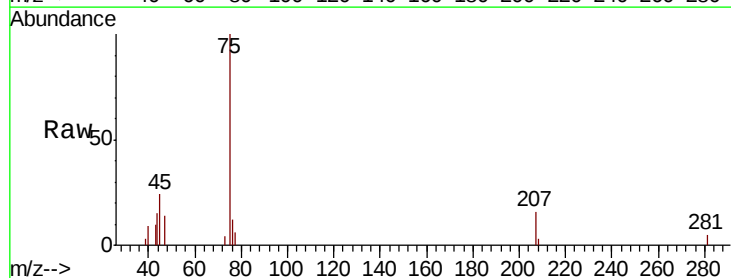
Instrument :
MSVOA_X
ClientSampleId :

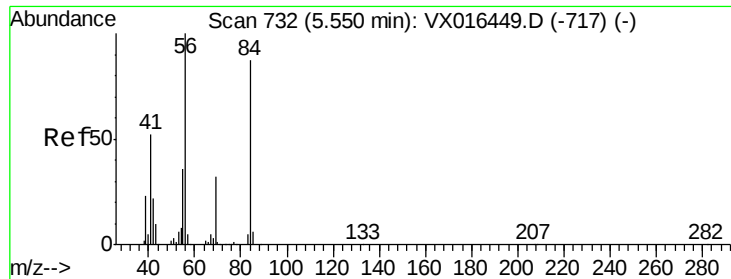
Tot Ion: 76 Resp: 1704
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#25
2-Butanone
Concen: 0.213 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX016576.D
Acq: 04 Jun 2020 10:33

Tgt Ion: 43 Resp: 469
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

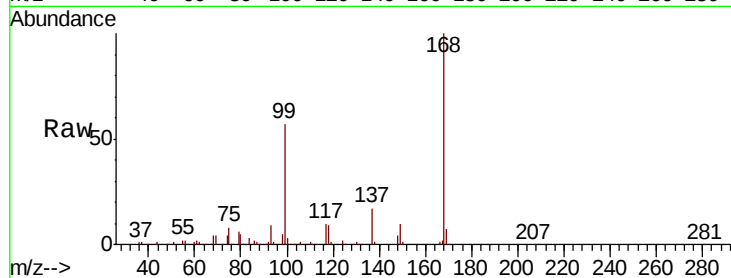




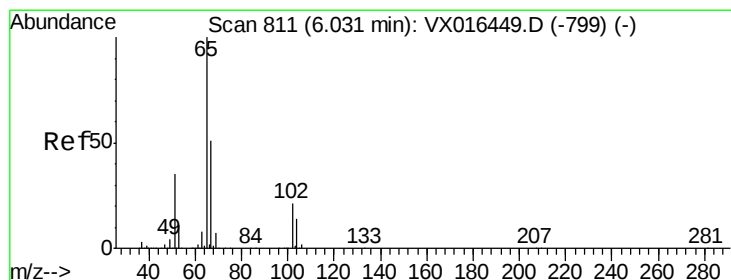
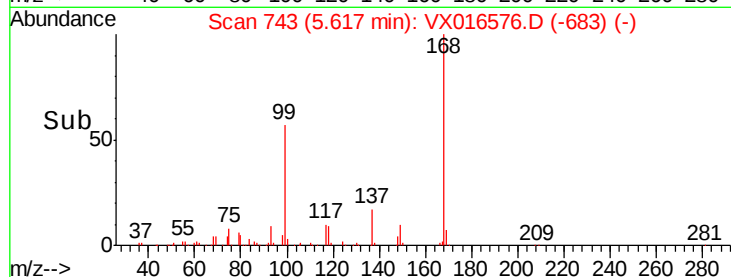
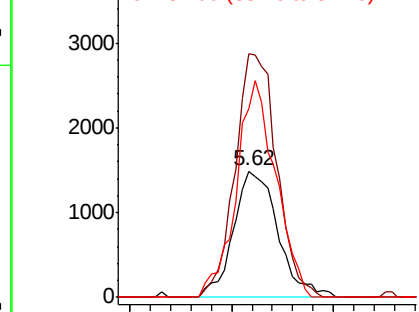
#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX016576.D
Acq: 04 Jun 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4512
Ion Ratio Lower Upper
56 100
69 192.6 25.7 38.5#
84 149.3 70.0 105.0#

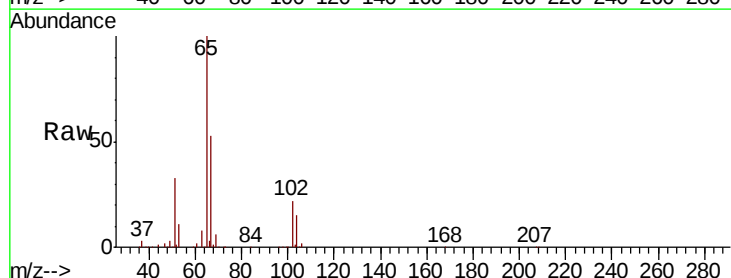


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

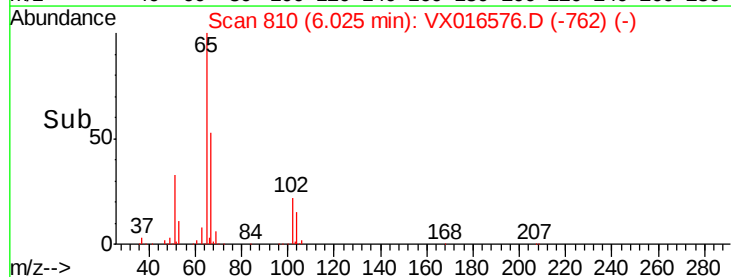
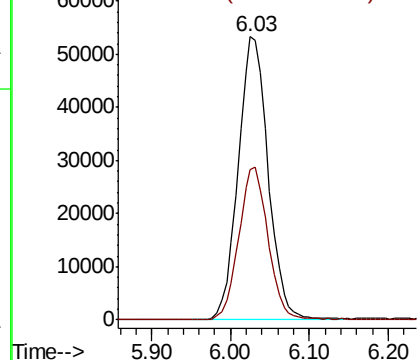


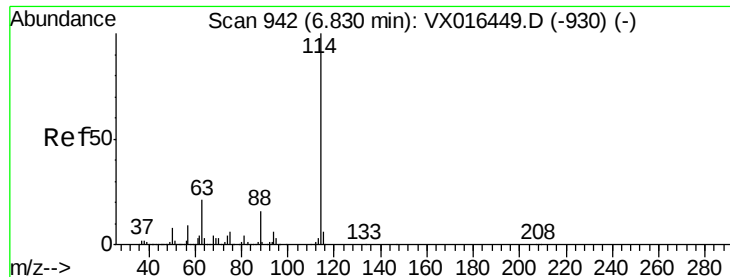
#33
1,2-Dichloroethane-d4
Concen: 47.510 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX016576.D
Acq: 04 Jun 2020 10:33

Tgt Ion: 65 Resp: 140744
Ion Ratio Lower Upper
65 100
67 52.9 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: VX016576.D

Acq: 04 Jun 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

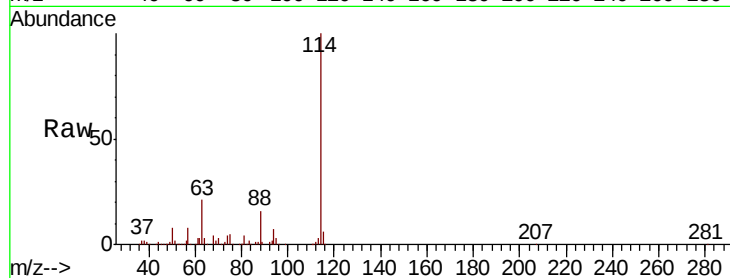
Tot Ion:114 Resp: 382946

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

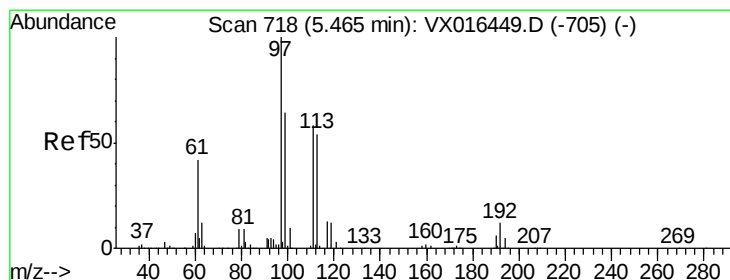
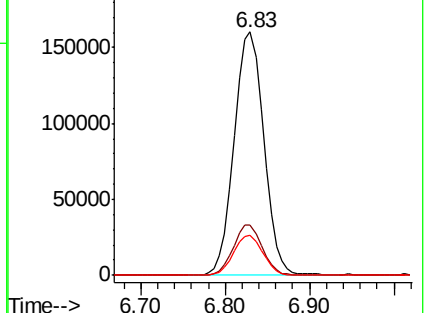
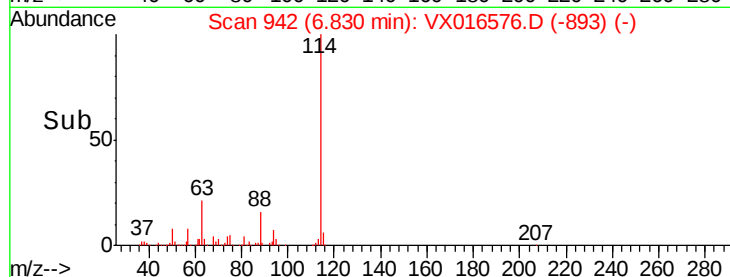
88 16.2 0.0 32.8



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: 48.415 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016576.D

Acq: 04 Jun 2020 10:33

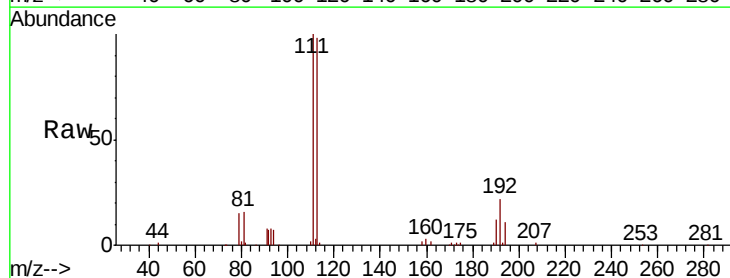
Tgt Ion:113 Resp: 114161

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

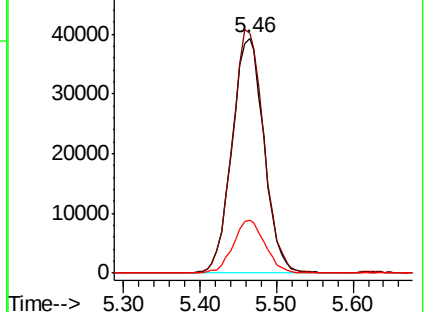
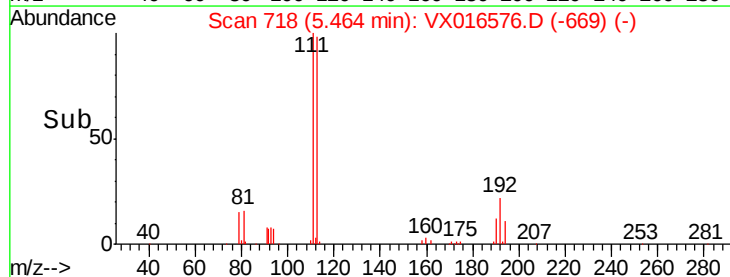
192 22.3 17.7 26.5

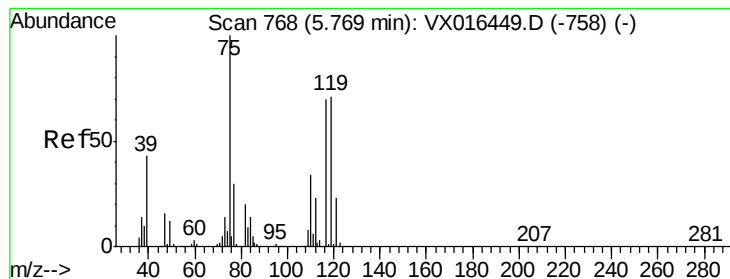


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.817 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016576.D

Acq: 04 Jun 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

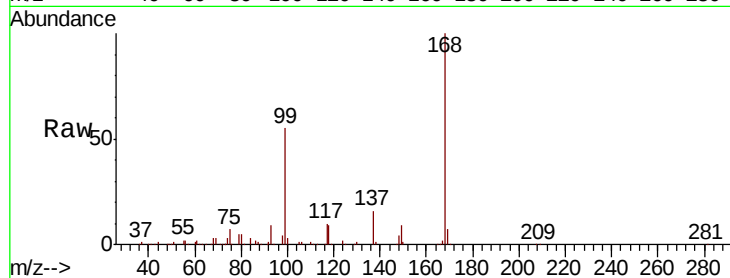
Tot Ion: 75 Resp: 17466

Ion Ratio Lower Upper

75 100

110 9.0 17.4 52.3#

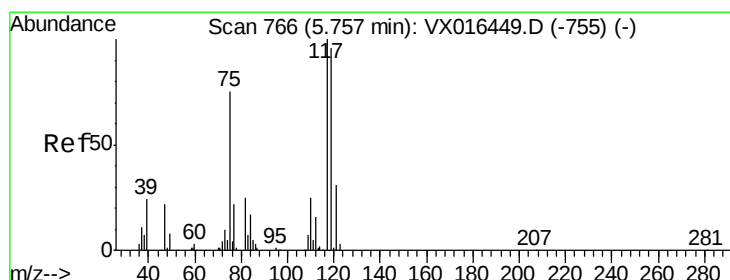
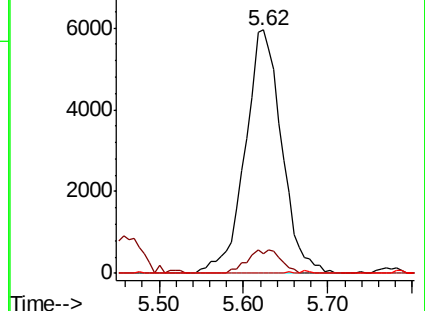
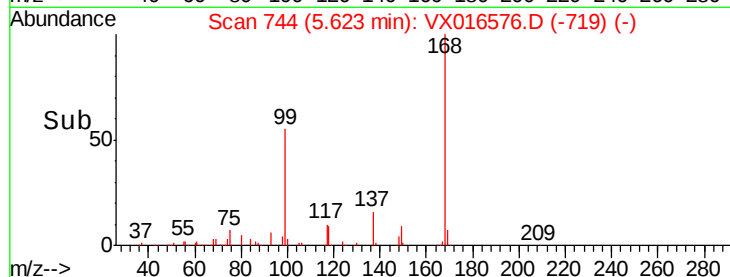
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX016449.D (-758) (-)

Ion 109.90 (109.60 to 110.60): VX016449.D (-758) (-)

Ion 76.90 (76.60 to 77.60): VX016449.D (-758) (-)



#38

Carbon Tetrachloride

Concen: 5.976 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016576.D

Acq: 04 Jun 2020 10:33

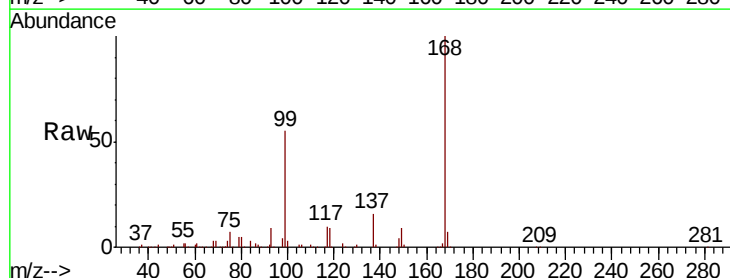
Tgt Ion: 117 Resp: 22772

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

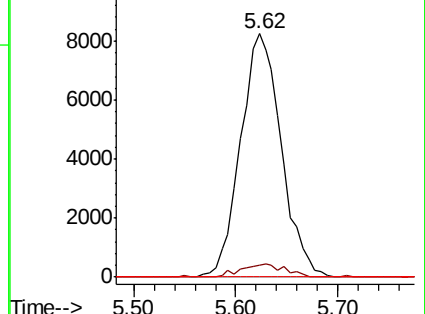
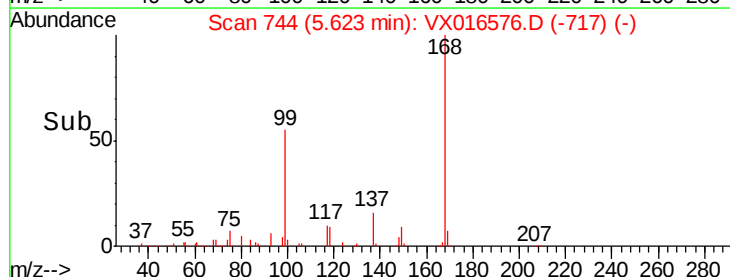
121 0.0 24.6 37.0#

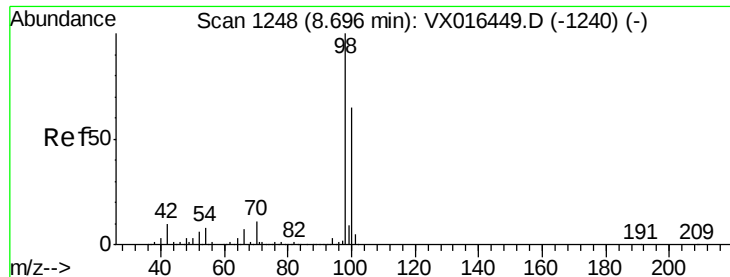


Abundance Ion 116.80 (116.50 to 117.50): VX016449.D (-755) (-)

Ion 118.80 (118.50 to 119.50): VX016449.D (-755) (-)

Ion 120.80 (120.50 to 121.50): VX016449.D (-755) (-)





#50

Toluene-d8

Concen: 51.354 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016576.D

Acq: 04 Jun 2020 10:33

Instrument :

MSVOA_X

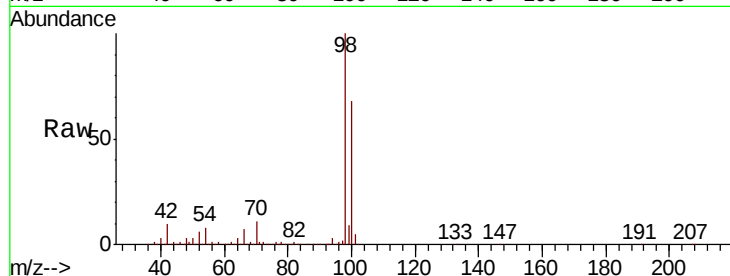
ClientSampleId :

Tot Ion: 98 Resp: 471313

Ion Ratio Lower Upper

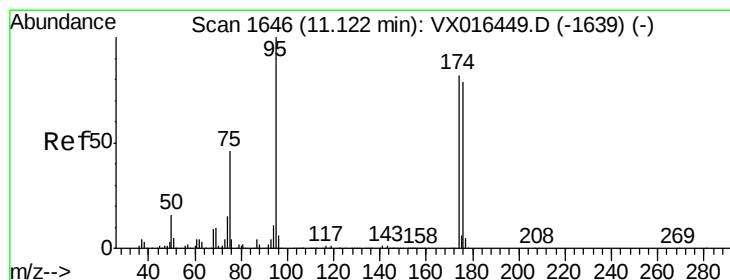
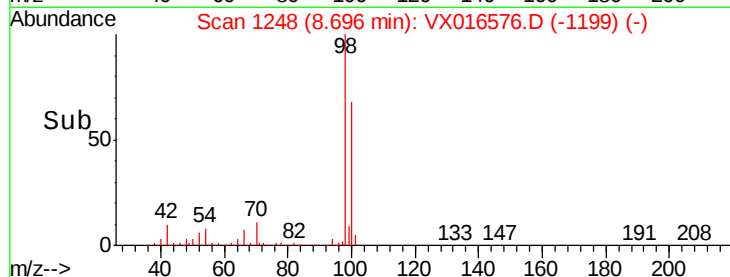
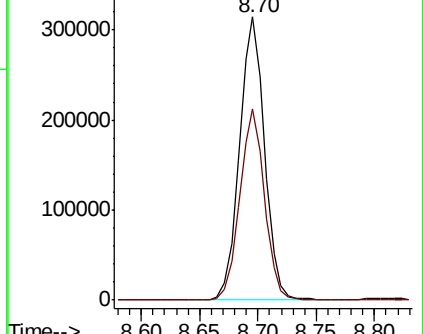
98 100

100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 52.031 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016576.D

Acq: 04 Jun 2020 10:33

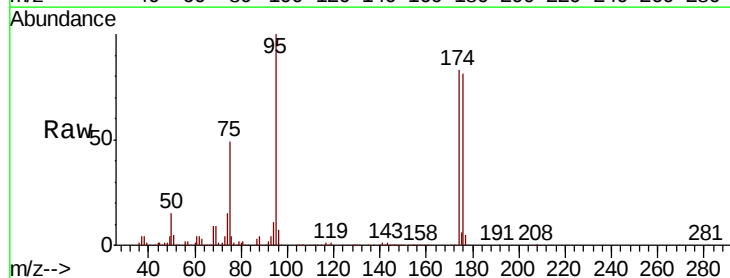
Tgt Ion: 95 Resp: 184516

Ion Ratio Lower Upper

95 100

174 83.6 0.0 163.0

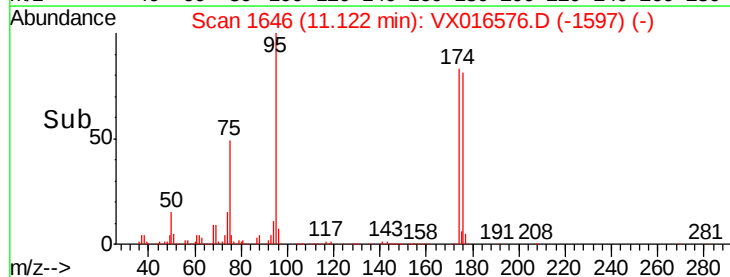
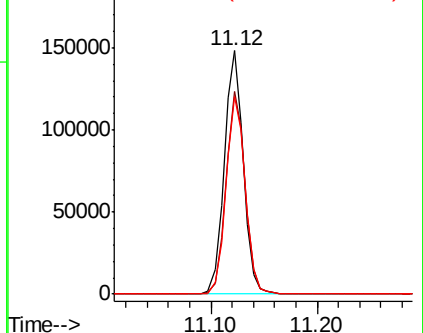
176 82.3 0.0 156.8

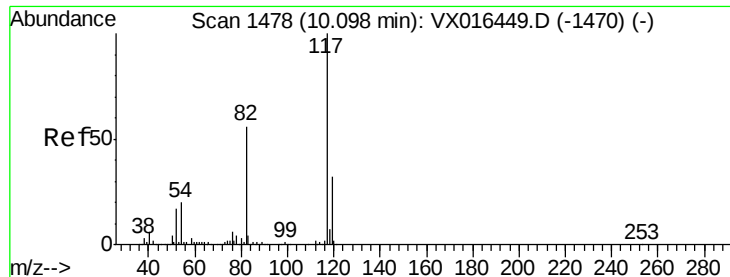


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

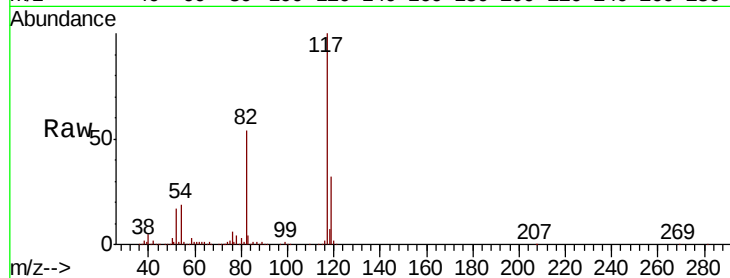




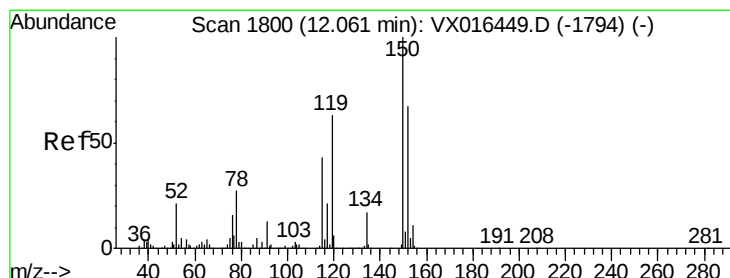
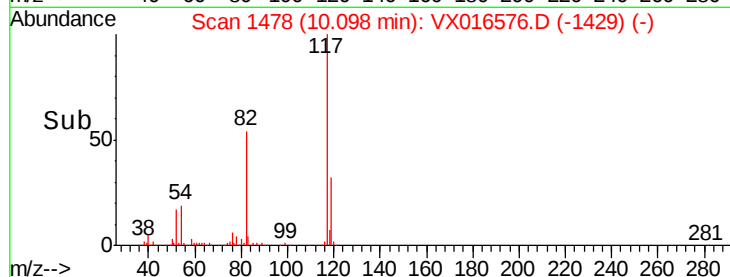
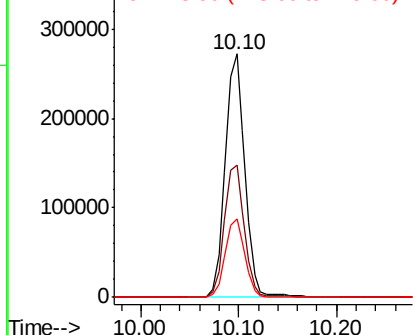
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016576.D
Acq: 04 Jun 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 377894
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.6
119 32.4 25.8 38.8

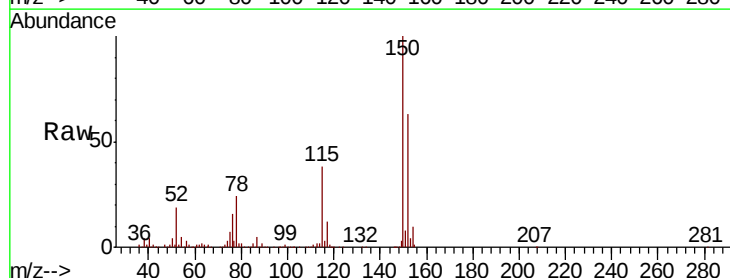


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

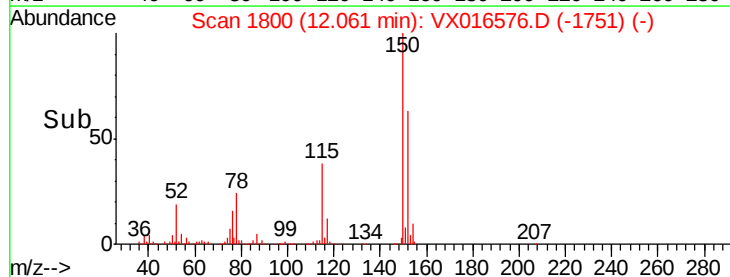
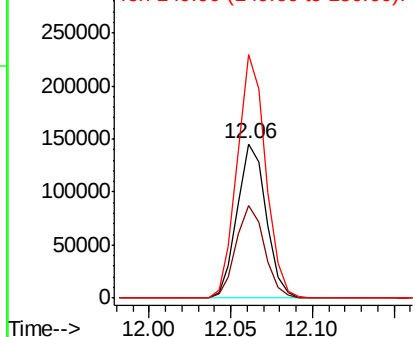


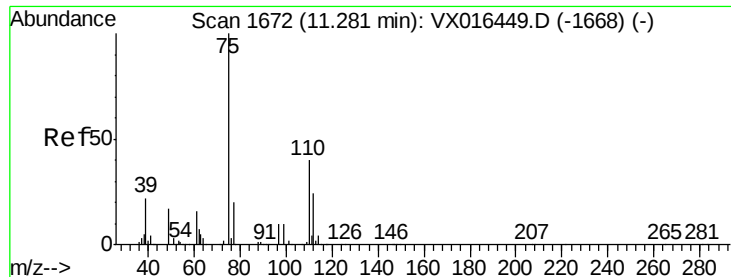
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016576.D
Acq: 04 Jun 2020 10:33

Tgt Ion:152 Resp: 180789
Ion Ratio Lower Upper
152 100
115 58.9 39.9 119.6
150 154.8 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: 22.930 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016576.D

Acq: 04 Jun 2020 10:33

Instrument :

MSVOA_X

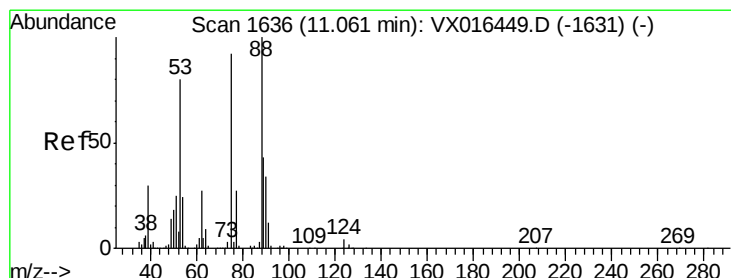
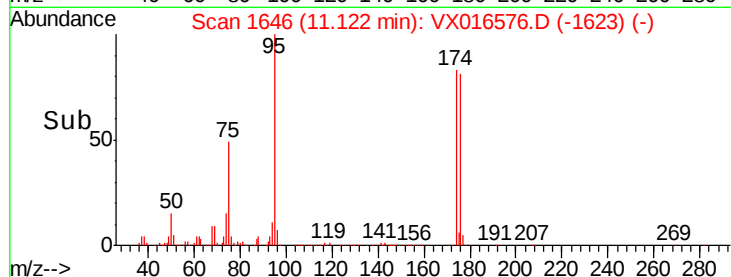
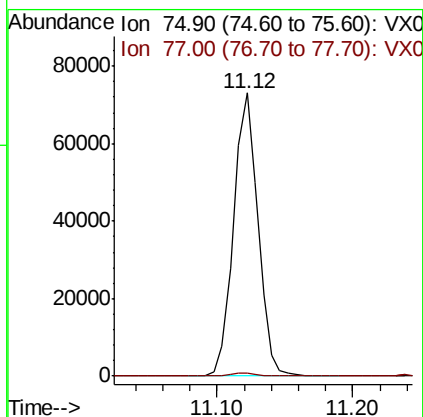
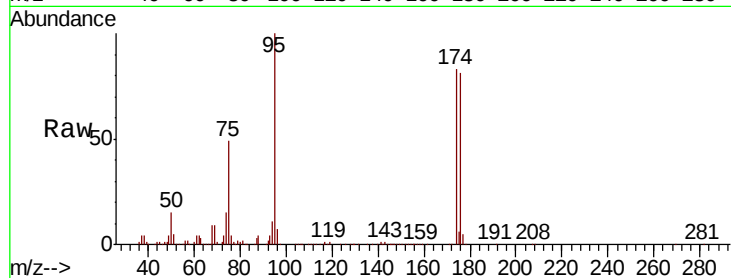
ClientSampleId :

Tot Ion: 75 Resp: 91119

Ion Ratio Lower Upper

75 100

77 1.2 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.404 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016576.D

Acq: 04 Jun 2020 10:33

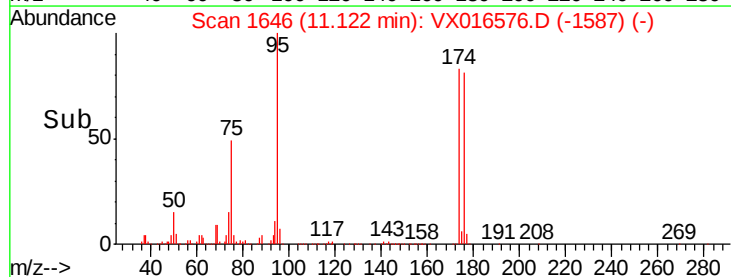
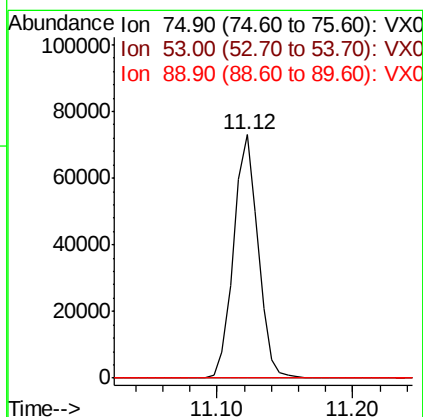
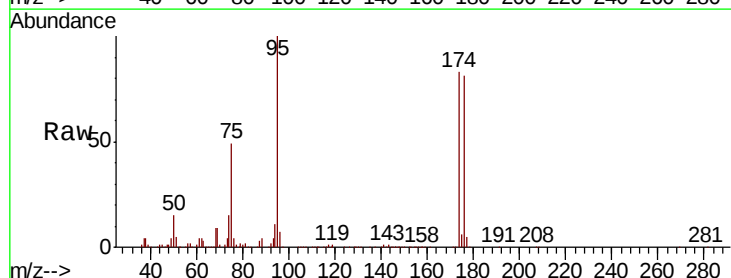
Tgt Ion: 75 Resp: 91119

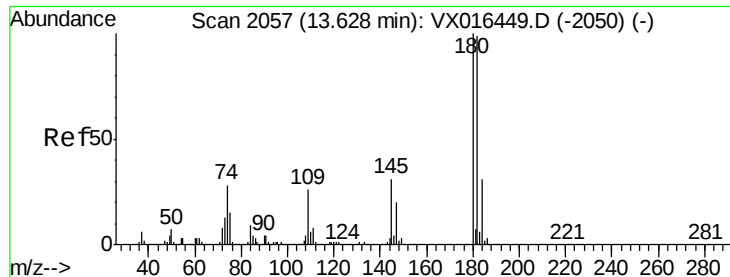
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#

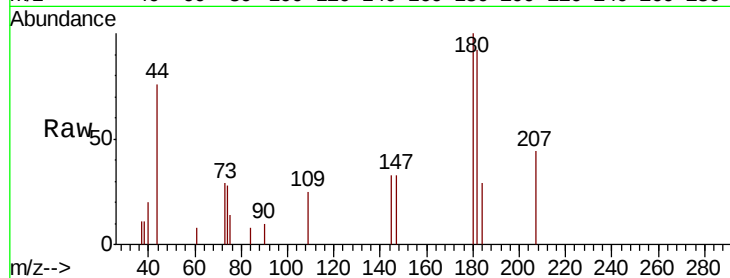




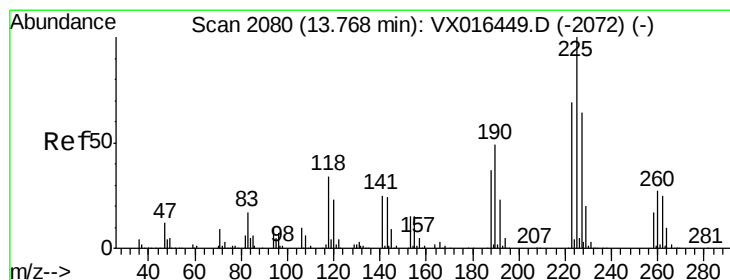
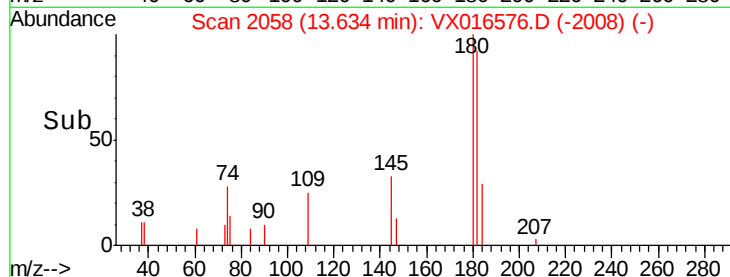
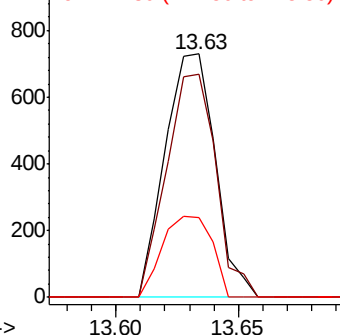
#93
 1,2,4-Trichlorobenzene
 Concen: 0.284 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX016576.D
 Acq: 04 Jun 2020 10:33

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 1039
 Ion Ratio Lower Upper
 180 100
 182 90.7 48.3 144.8
 145 33.1 15.4 46.2

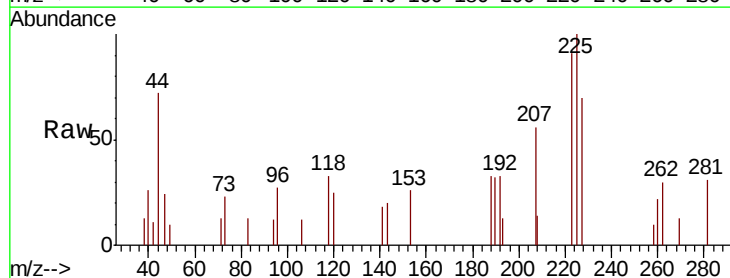


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

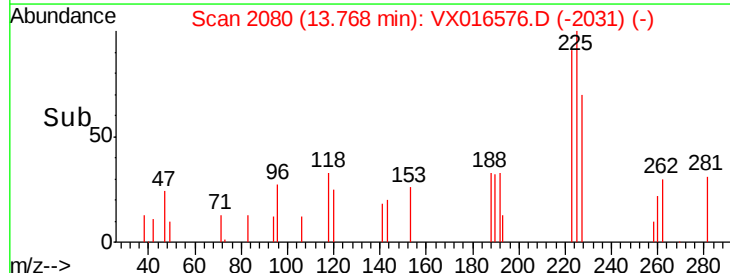
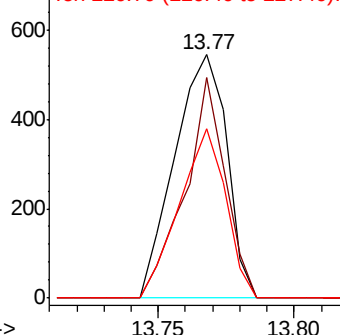


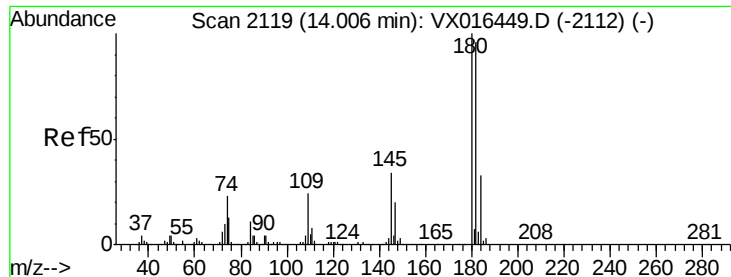
#94
 Hexachlorobutadiene
 Concen: 0.502 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016576.D
 Acq: 04 Jun 2020 10:33

Tgt Ion:225 Resp: 722
 Ion Ratio Lower Upper
 225 100
 223 70.5 32.3 96.8
 227 62.3 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





#96

1,2,3-Trichlorobenzene

Concen: 0.251 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016576.D

Acq: 04 Jun 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

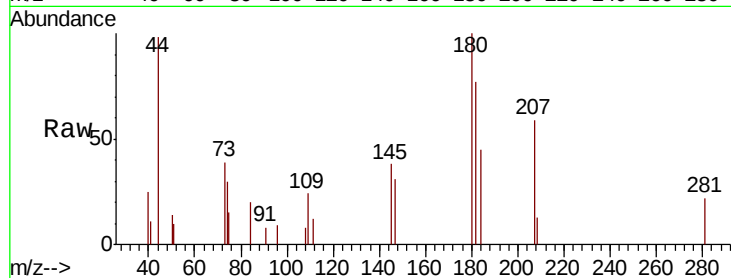
Tot Ion:180 Resp: 899

Ion Ratio Lower Upper

180 100

182 93.7 48.6 145.8

145 37.9 16.6 49.8



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

