

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050720\
 Data File : VX016084.D
 Acq On : 07 May 2020 10:33
 Operator : JC/SP
 Sample : VX0507WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBL01

Quant Time: May 08 02:01:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	321233	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	526764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	497335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	243365	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	193888	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
35) Dibromofluoromethane	5.46	113	156175	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	8.70	98	641163	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.12	95	245414	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	

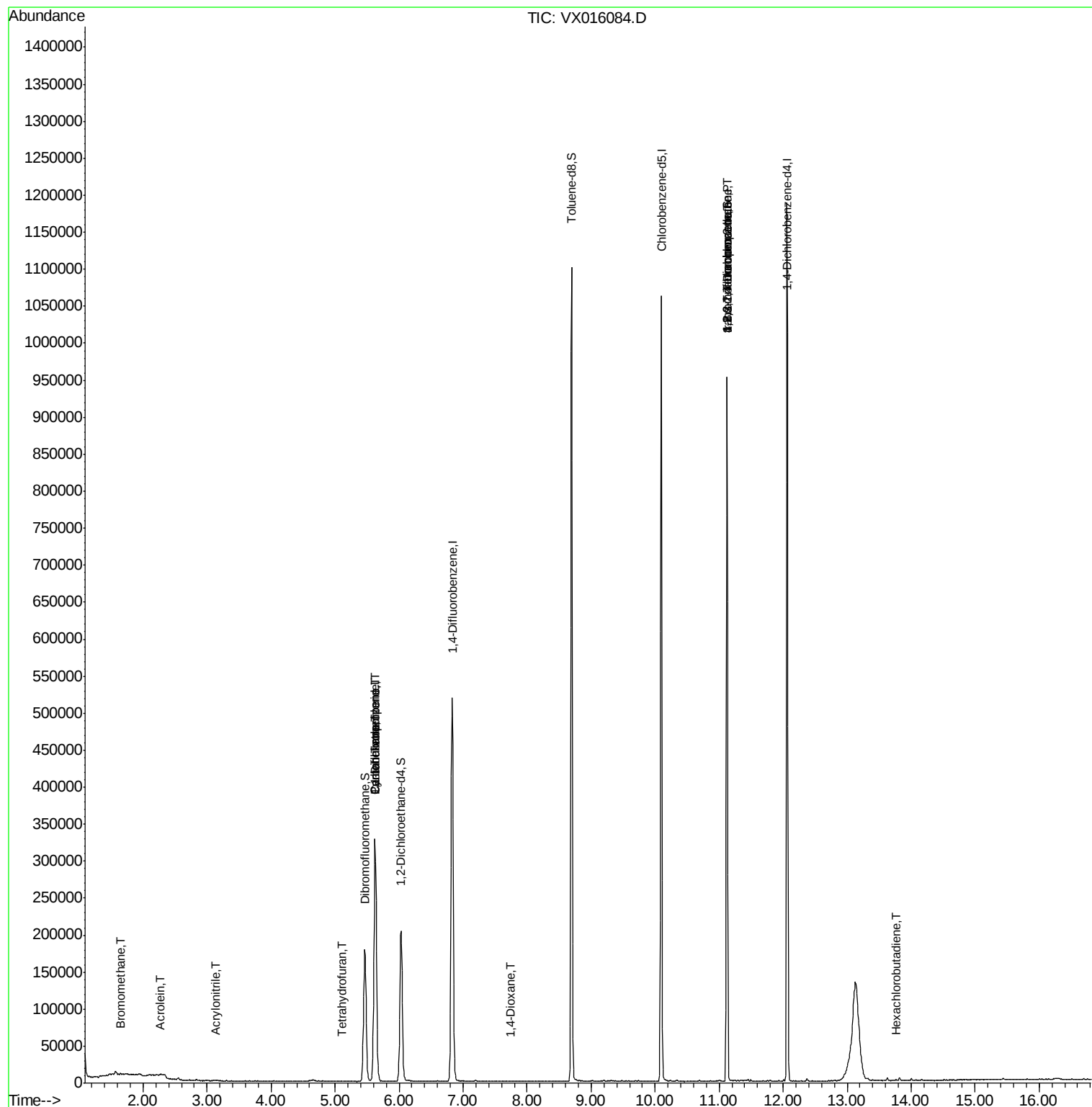
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	835	0.393	ug/l #	67
13) Acrolein	2.27	56	349	0.522	ug/l #	9
15) Acrylonitrile	3.12	53	787	0.355	ug/l #	76
29) Tetrahydrofuran	5.09	42	469	0.233	ug/l #	55
31) Cyclohexane	5.63	56	6631	1.129	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24749	4.773	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31311	5.941	ug/l #	14
49) 1,4-Dioxane	7.74	88	44	0.404	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.13	83	174	2.102	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	121885	22.071	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	121885	52.596	ug/l #	13
94) Hexachlorobutadiene	13.76	225	243	0.619	ug/l	87

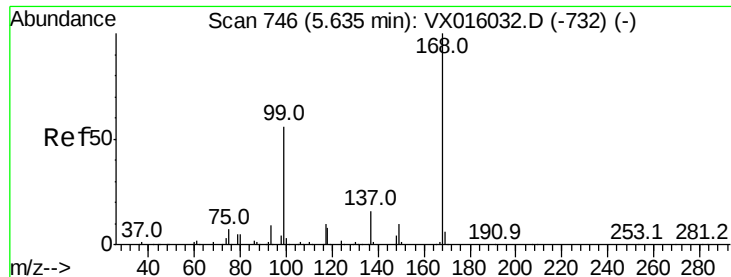
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050720\
Data File : VX016084.D
Acq On : 07 May 2020 10:33
Operator : JC/SP
Sample : VX0507WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0507WBL01

Quant Time: May 08 02:01:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

Instrument :

MSVOA_X

ClientSampled :

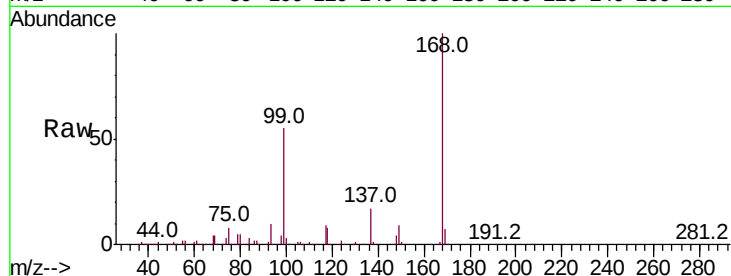
VX0507WBL01

Tot Ion:168 Resp: 321233

Ion Ratio Lower Upper

168 100

99 55.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

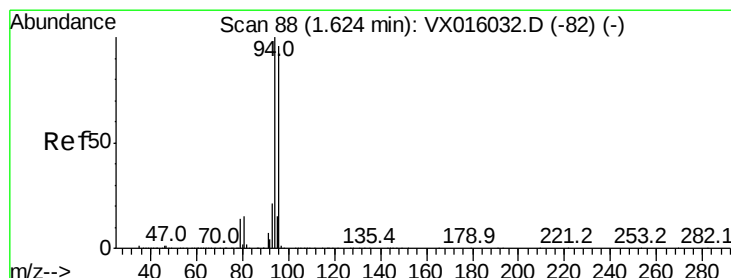
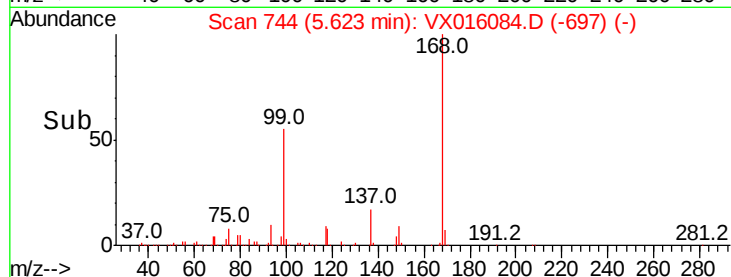
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.393 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016084.D

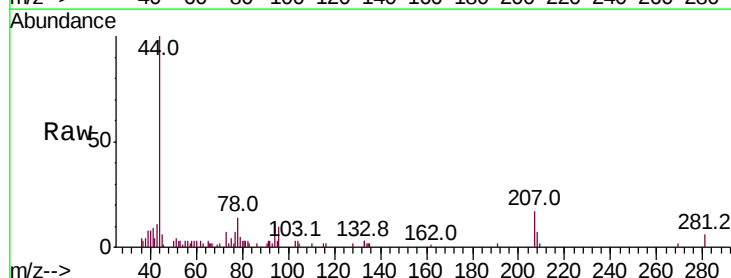
Acq: 07 May 2020 10:33

Tgt Ion: 94 Resp: 835

Ion Ratio Lower Upper

94 100

96 63.8 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

300

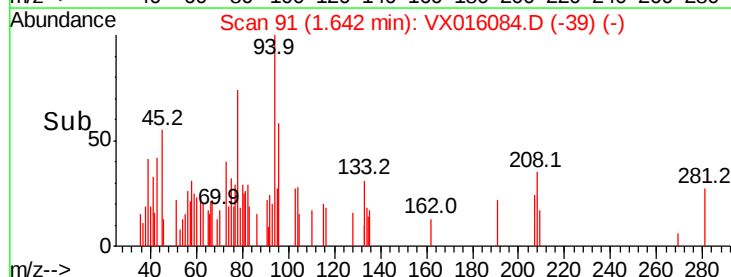
200

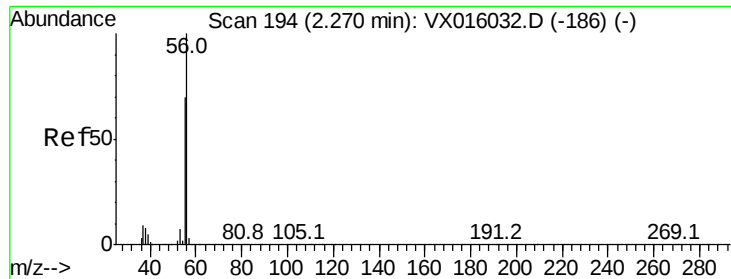
100

0

Time-->

1.60 1.65 1.70





#13

Acrolein

Concen: 0.522 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

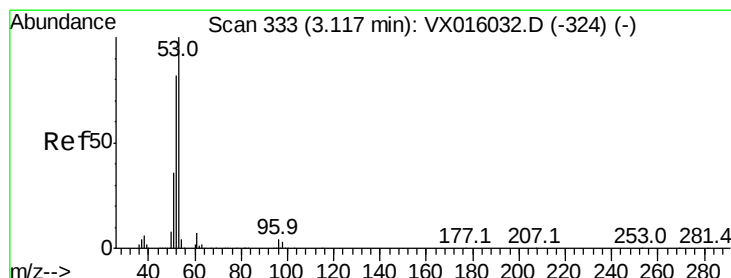
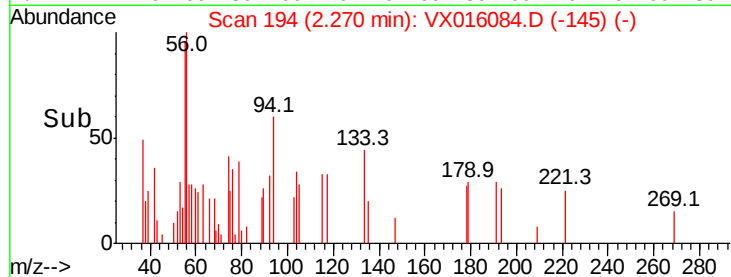
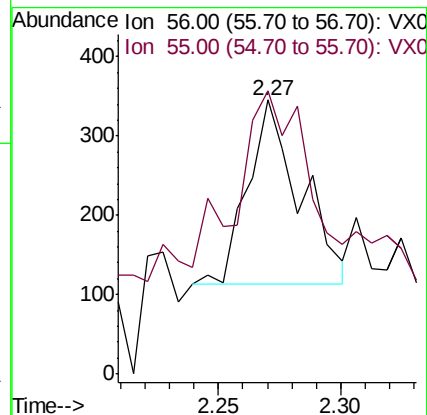
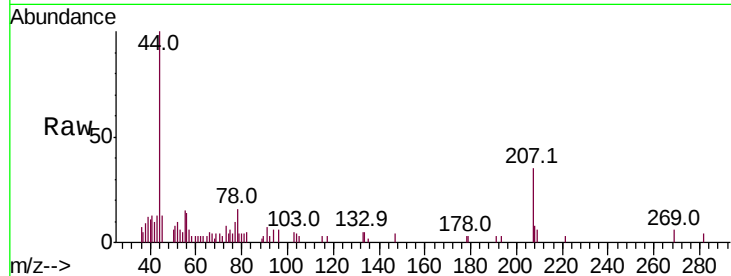
VX0507WBL01

Tot Ion: 56 Resp: 349

Ion Ratio Lower Upper

56 100

55 145.6 56.5 84.7#



#15

Acrylonitrile

Concen: 0.355 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

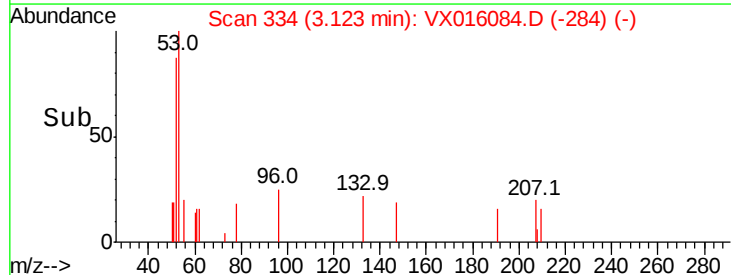
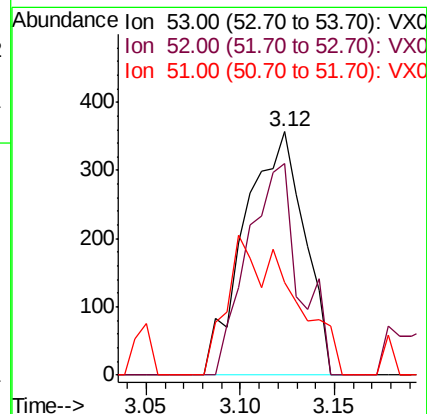
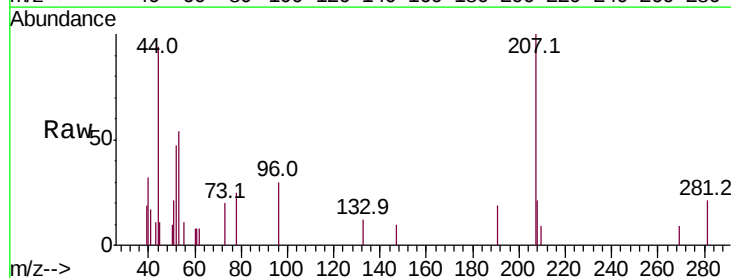
Tgt Ion: 53 Resp: 787

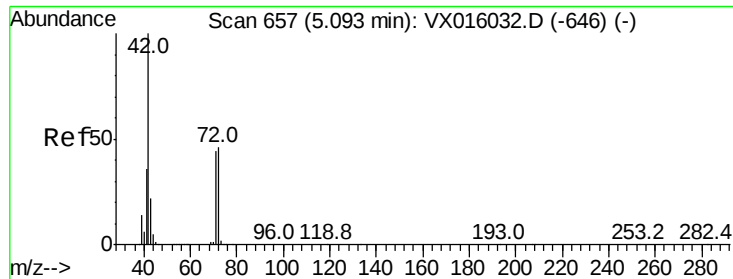
Ion Ratio Lower Upper

53 100

52 75.1 66.1 99.1

51 0.0 28.8 43.2#





#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

Instrument :

MSVOA_X

ClientSampled :

VX0507WBL01

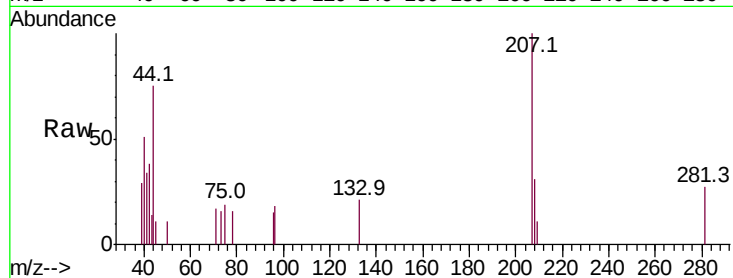
Tot Ion: 42 Resp: 469

Ion Ratio Lower Upper

42 100

72 0.0 37.1 55.7#

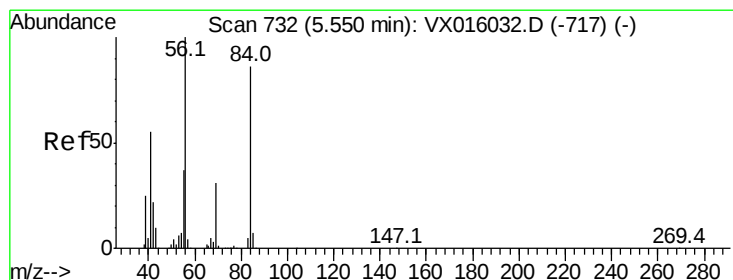
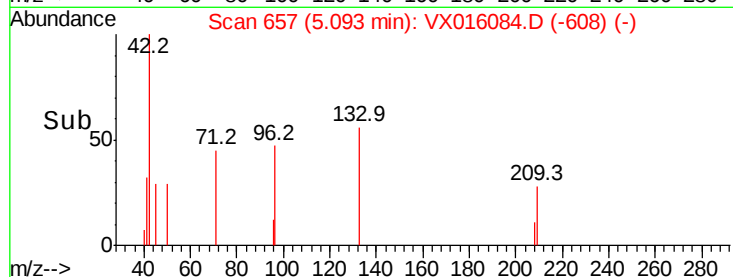
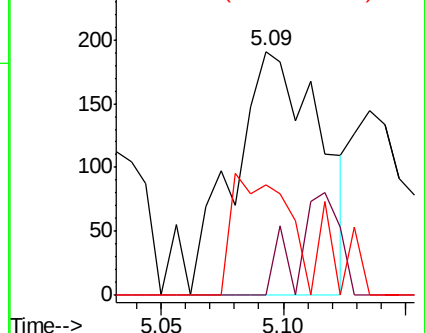
71 30.9 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.129 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

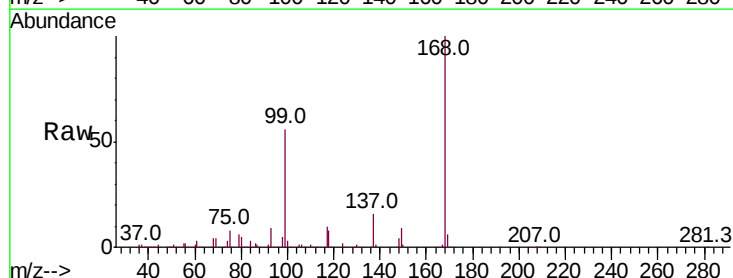
Tgt Ion: 56 Resp: 6631

Ion Ratio Lower Upper

56 100

69 168.6 25.0 37.6#

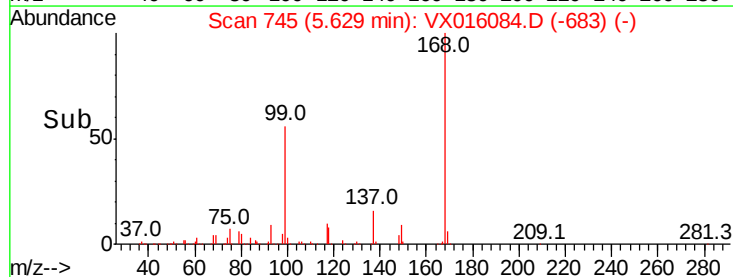
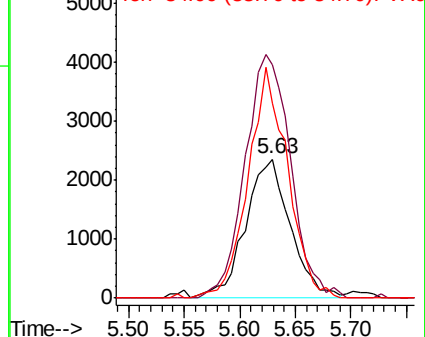
84 140.3 69.0 103.6#

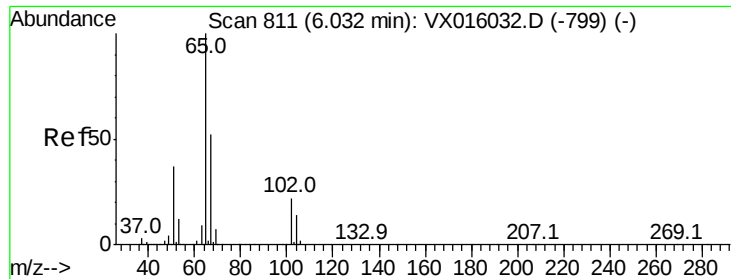


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.868 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

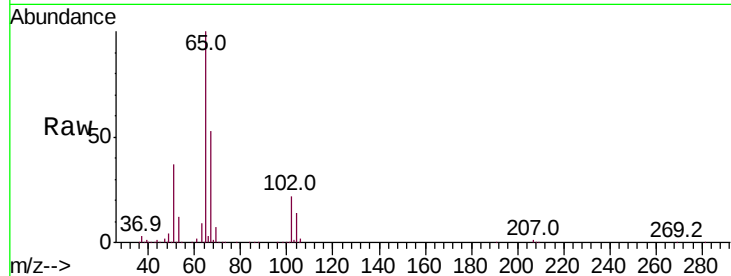
VX0507WBL01

Tot Ion: 65 Resp: 193888

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

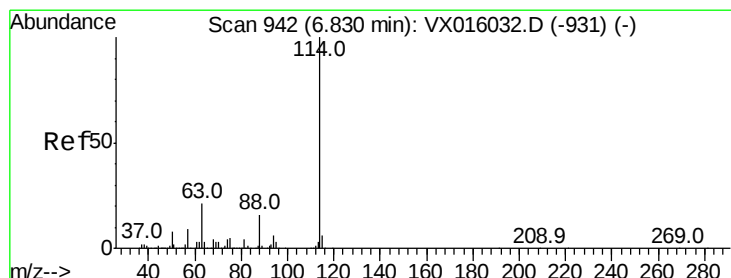
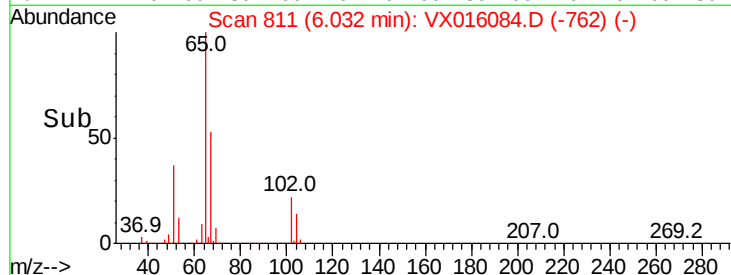
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

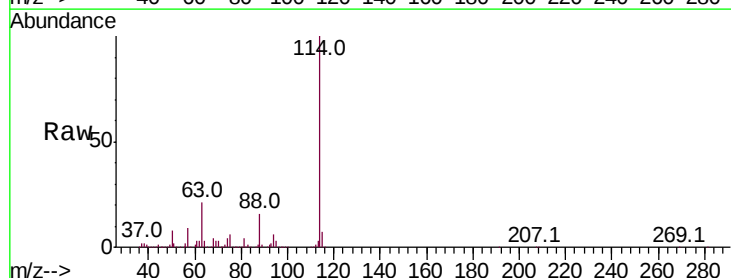
Tgt Ion: 114 Resp: 526764

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

88 16.3 0.0 31.4



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

300000

250000

200000

150000

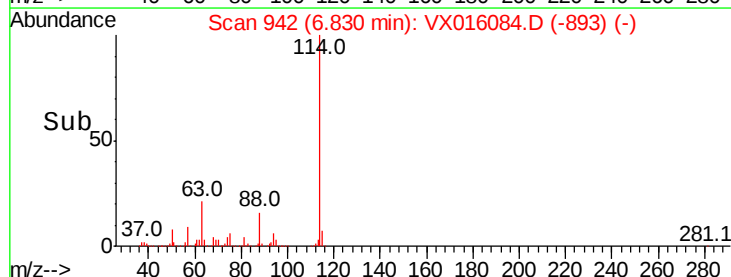
100000

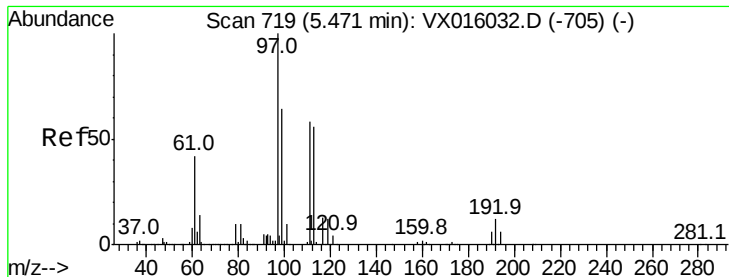
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 46.797 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBL01

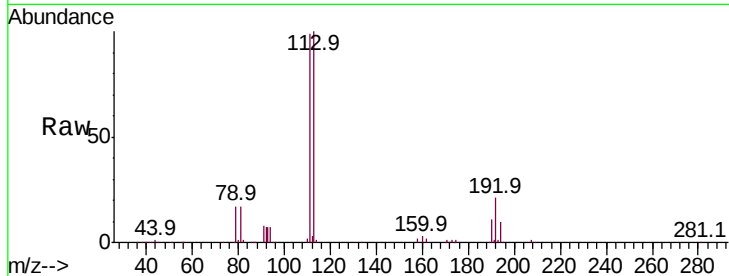
Tot Ion:113 Resp: 156175

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

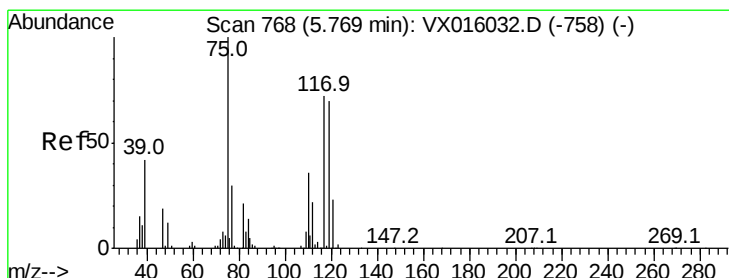
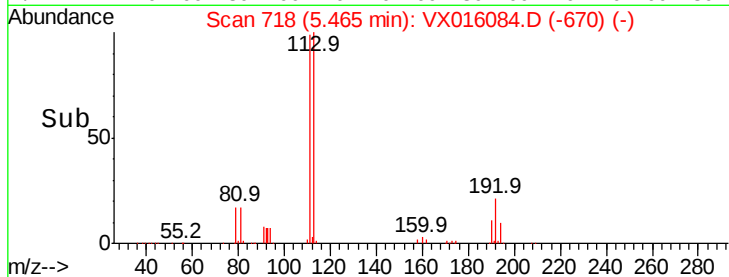
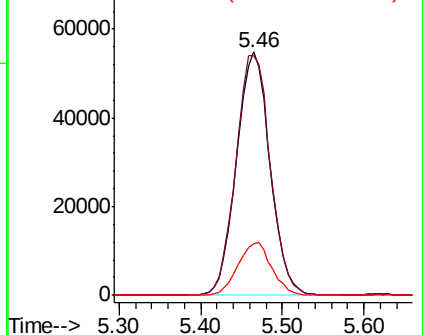
192 21.8 17.0 25.4



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: 4.773 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

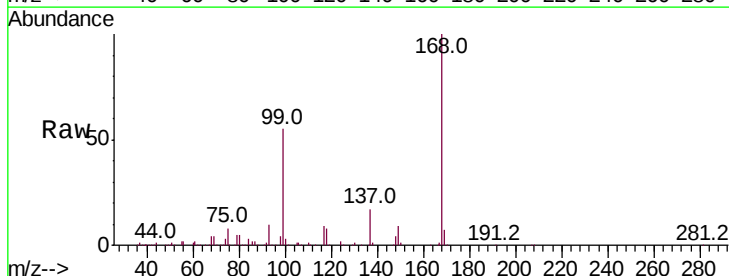
Tgt Ion: 75 Resp: 24749

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.1#

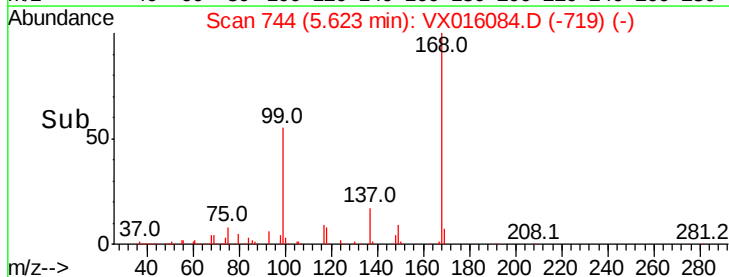
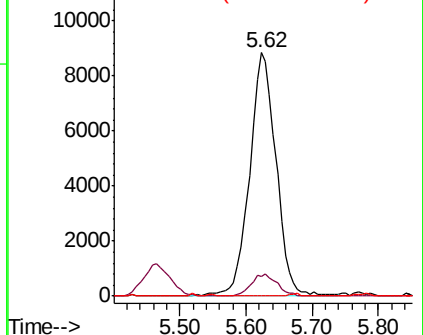
77 0.0 25.0 37.6#

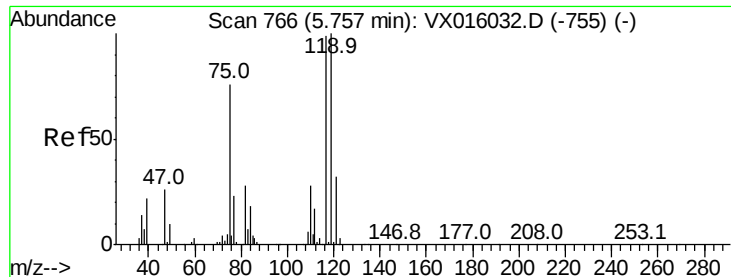


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.941 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBL01

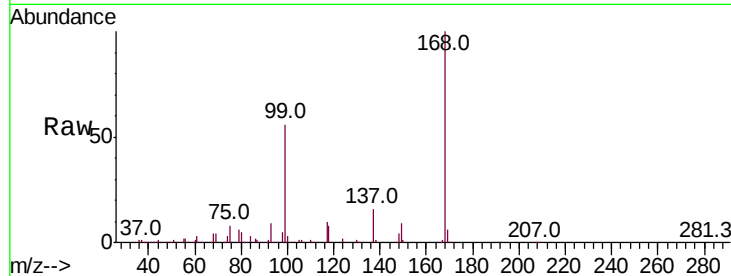
Tot Ion:117 Resp: 31311

Ion Ratio Lower Upper

117 100

119 4.5 80.3 120.5#

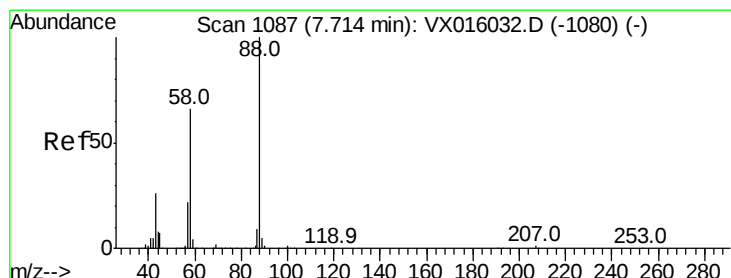
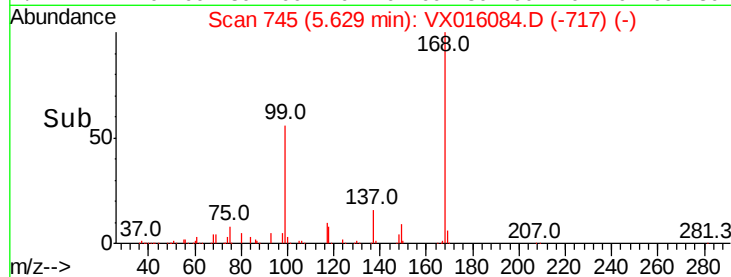
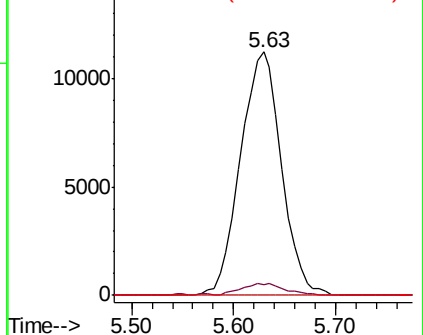
121 0.0 25.7 38.5#



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



#49

1,4-Dioxane

Concen: 0.404 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

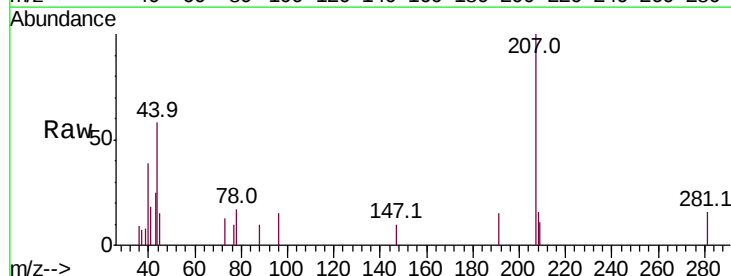
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 613.6 25.3 37.9#

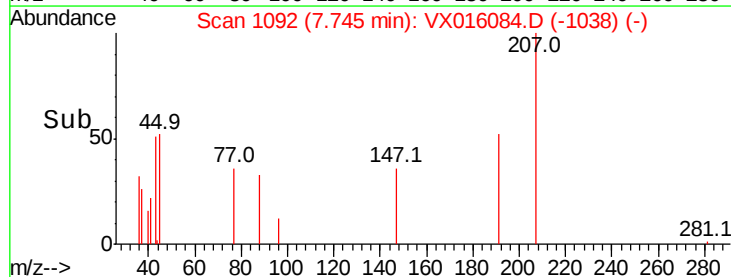
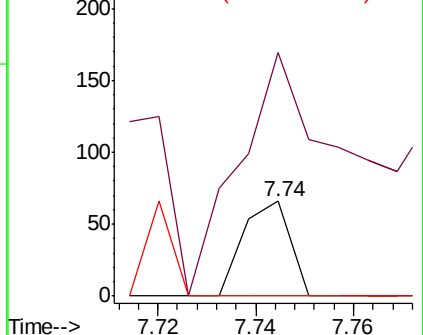
58 0.0 55.9 83.9#

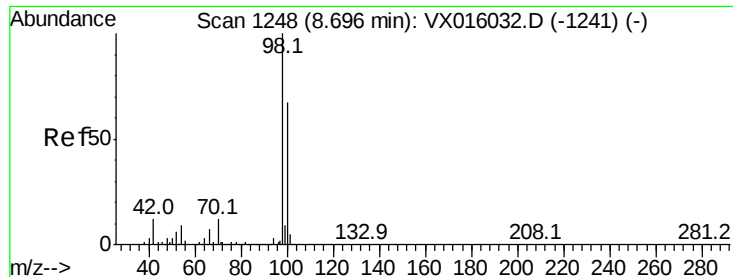


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

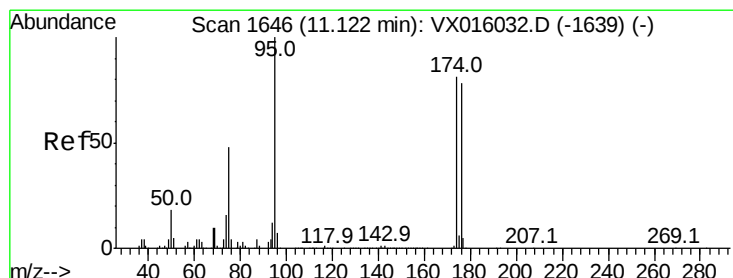
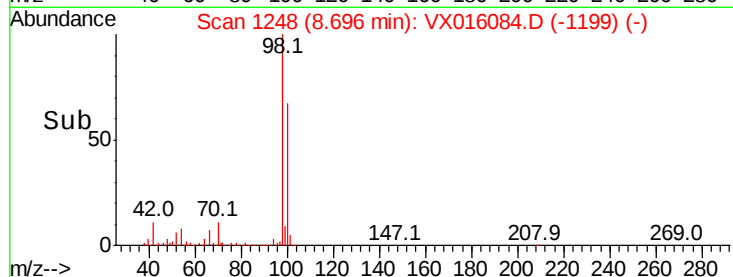
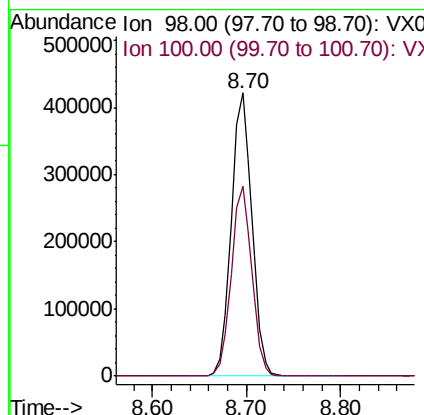
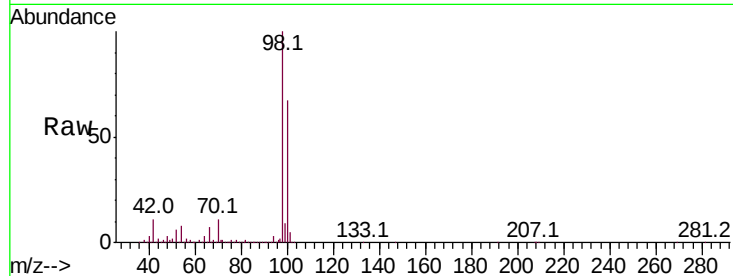




#50
Toluene-d8
Concen: 49.862 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016084.D
Acq: 07 May 2020 10:33

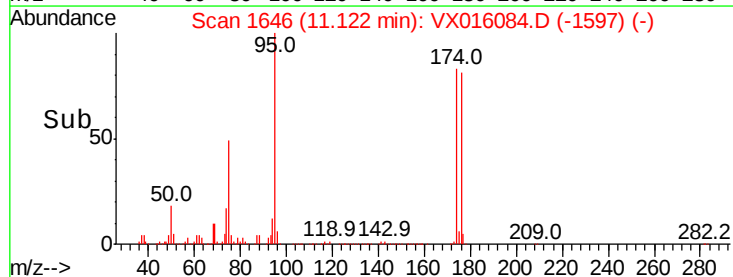
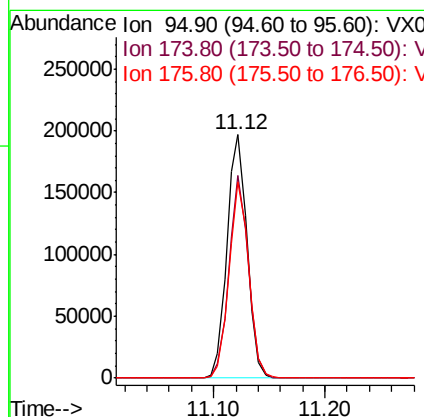
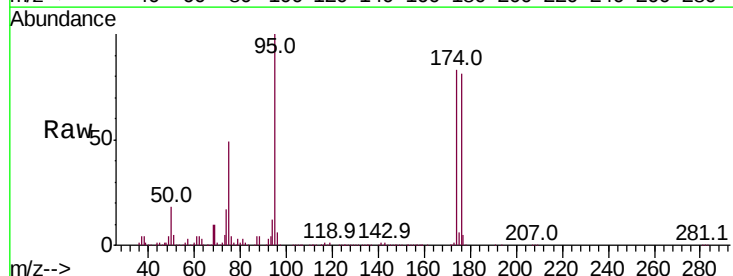
Instrument :
MSVOA_X
ClientSampleId :
VX0507WBL01

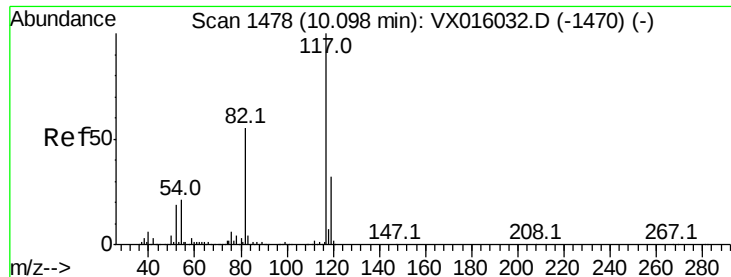
Tot Ion: 98 Resp: 641163
Ion Ratio Lower Upper
98 100
100 66.6 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 50.178 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016084.D
Acq: 07 May 2020 10:33

Tgt Ion: 95 Resp: 245414
Ion Ratio Lower Upper
95 100
174 80.1 0.0 159.4
176 79.0 0.0 157.6

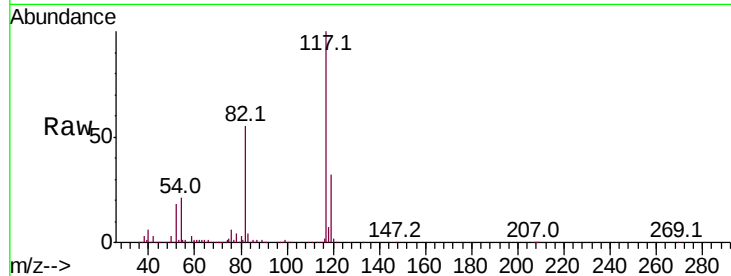




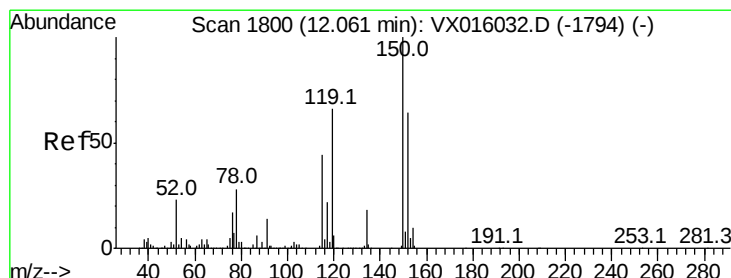
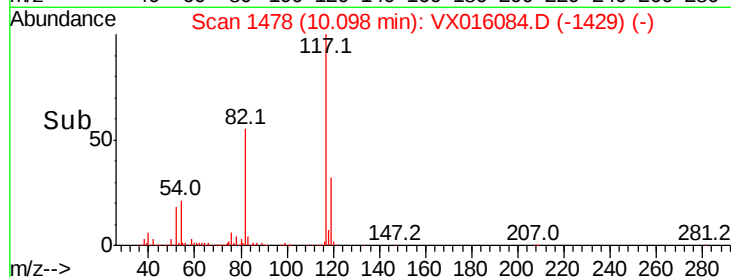
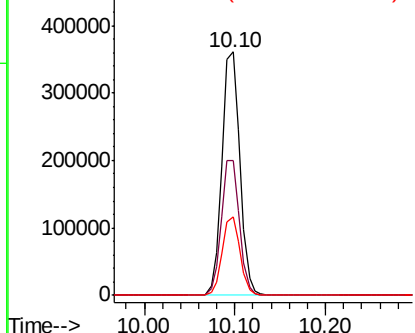
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016084.D
Acq: 07 May 2020 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBL01

Tot Ion:117 Resp: 497335
Ion Ratio Lower Upper
117 100
82 55.3 44.4 66.6
119 32.0 25.5 38.3

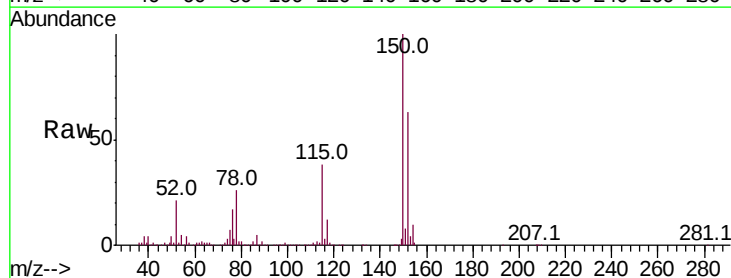


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

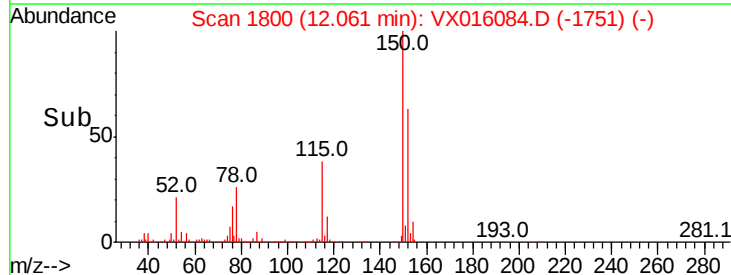
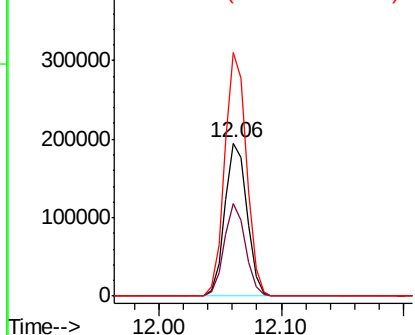


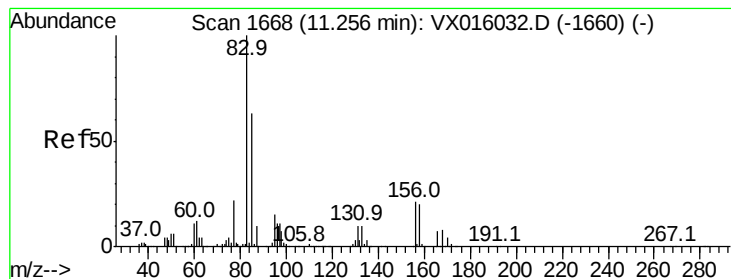
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016084.D
Acq: 07 May 2020 10:33

Tgt Ion:152 Resp: 243365
Ion Ratio Lower Upper
152 100
115 58.4 41.3 124.1
150 156.2 0.0 352.2



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





#75

1,1,2,2-Tetrachloroethane

Concen: 2.102 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBL01

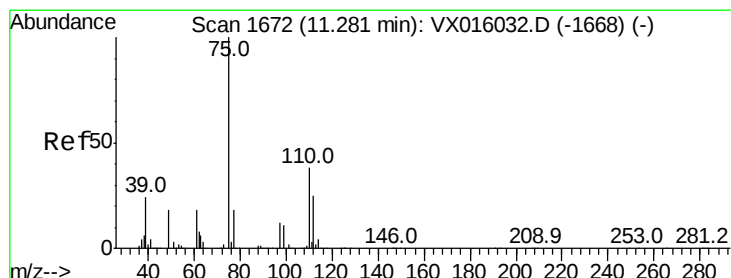
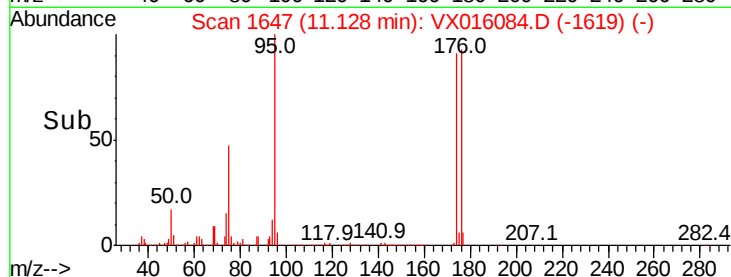
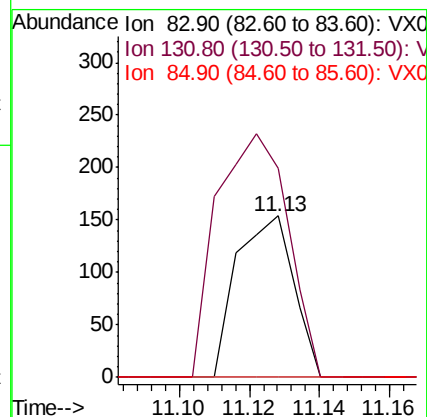
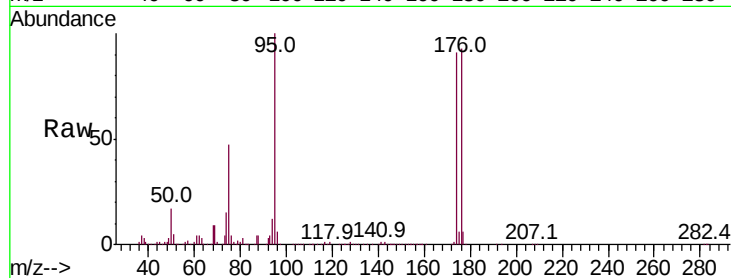
Tot Ion: 83 Resp: 174

Ion Ratio Lower Upper

83 100

131 186.8 5.1 15.4#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 22.071 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016084.D

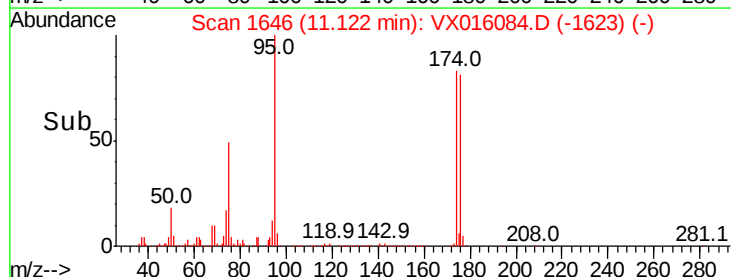
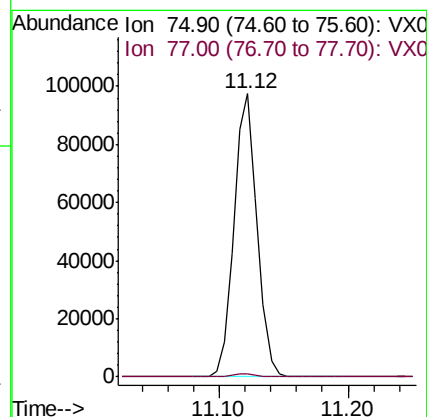
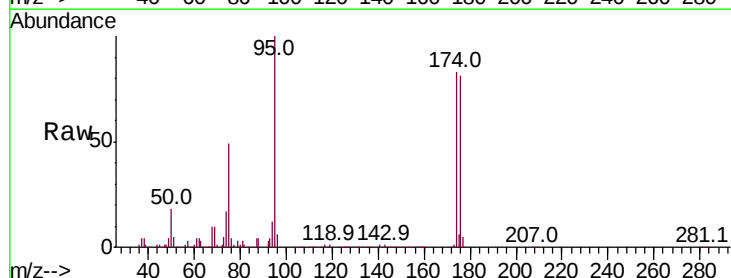
Acq: 07 May 2020 10:33

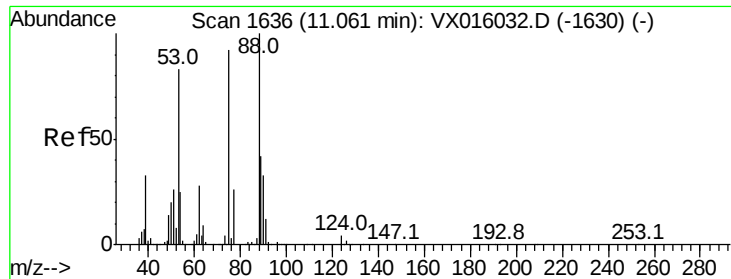
Tgt Ion: 75 Resp: 121885

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 52.596 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBL01

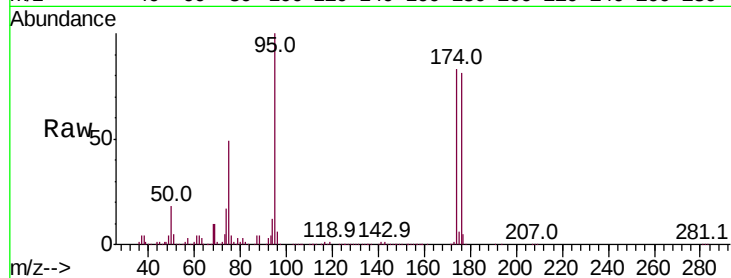
Tot Ion: 75 Resp: 121885

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

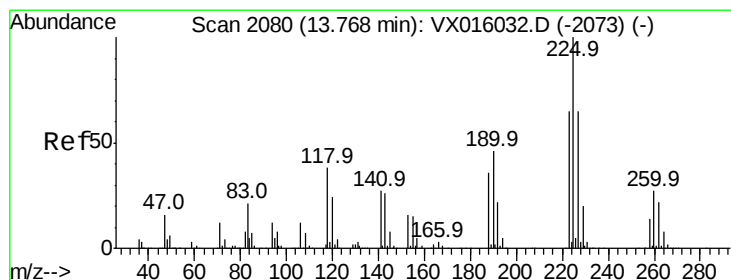
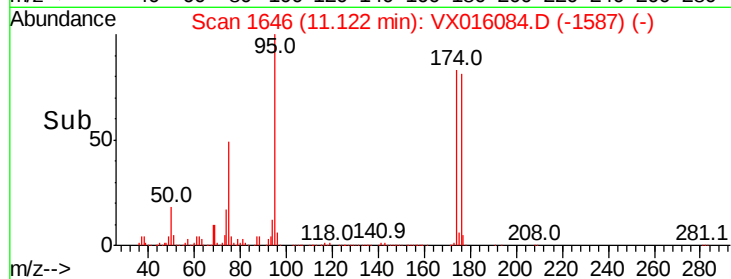
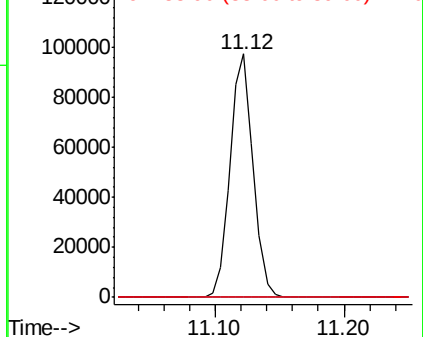
89 0.0 36.7 55.1#



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



#94

Hexachlorobutadiene

Concen: 0.619 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016084.D

Acq: 07 May 2020 10:33

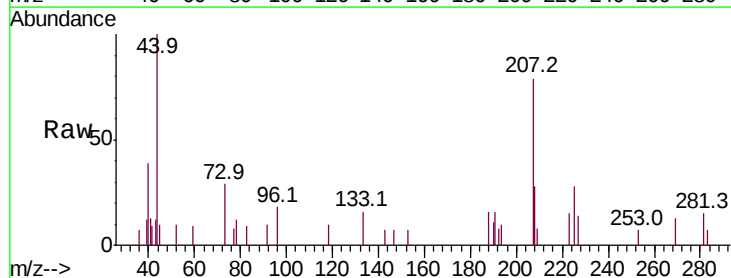
Tgt Ion: 225 Resp: 243

Ion Ratio Lower Upper

225 100

223 70.8 32.3 96.9

227 49.0 31.8 95.4



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

