

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052020\
 Data File : VX016351.D
 Acq On : 20 May 2020 11:24
 Operator : JC/SP
 Sample : VX0520WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 21 03:49:34 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	246904	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	404948	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	381540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	179277	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	142062	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	
35) Dibromofluoromethane	5.46	113	117325	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
50) Toluene-d8	8.70	98	491000	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.12	95	191008	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	

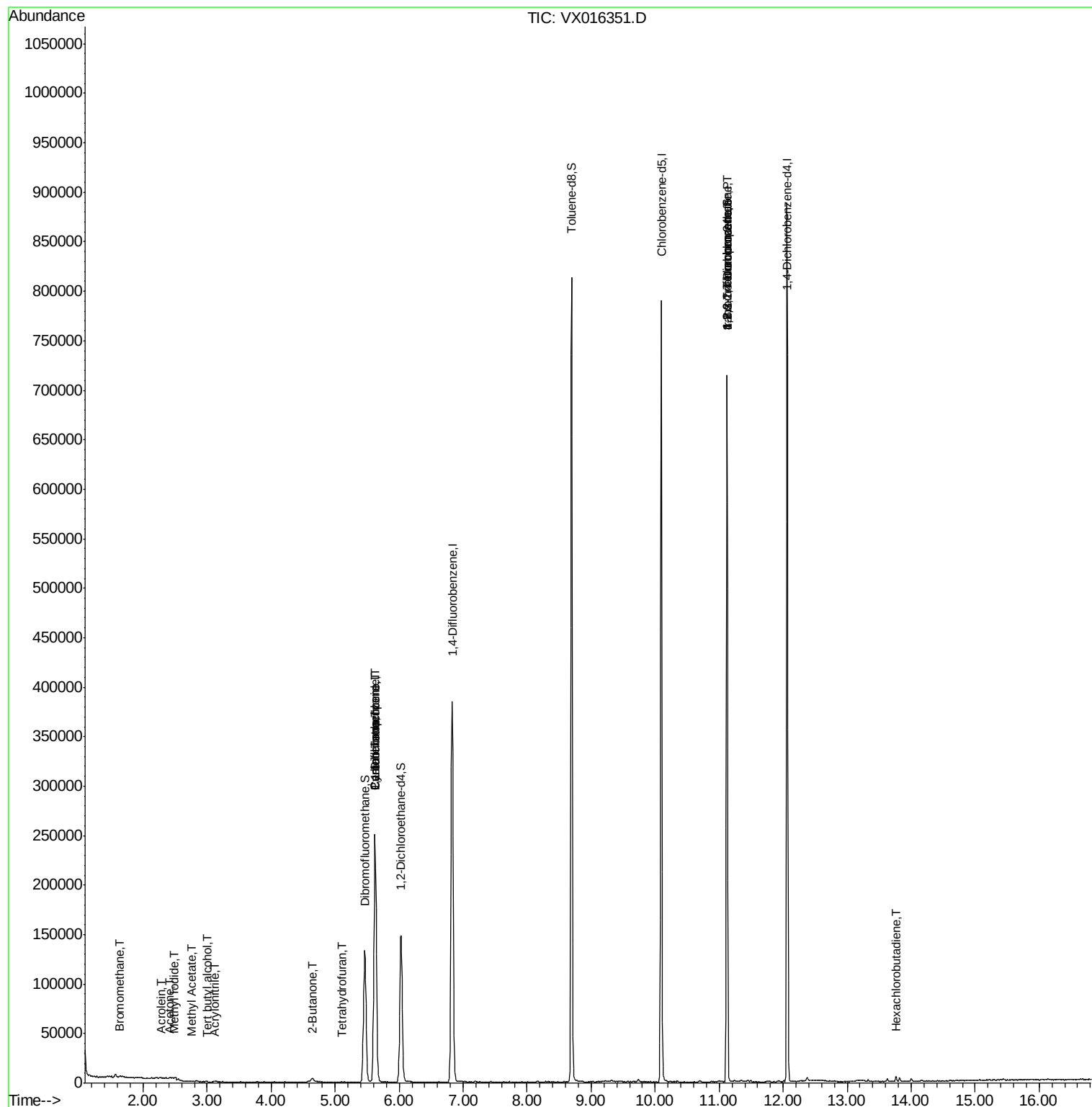
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	859	0.526	ug/l	90
10) Methyl Iodide	2.49	142	959	0.291	ug/l #	84
11) Tert butyl alcohol	3.00	59	199	0.242	ug/l #	72
13) Acrolein	2.27	56	772	1.502	ug/l	86
15) Acrylonitrile	3.12	53	600	0.352	ug/l #	68
16) Acetone	2.42	43	346	0.239	ug/l #	81
18) Methyl Acetate	2.75	43	902	0.253	ug/l #	73
25) 2-Butanone	4.64	43	717	0.307	ug/l #	48
29) Tetrahydrofuran	5.11	42	517	0.334	ug/l #	31
31) Cyclohexane	5.62	56	4474	0.991	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	17966	4.507	ug/l #	49
38) Carbon Tetrachloride	5.62	117	23539	5.810	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	51	2.070	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	89704	22.050	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	89704	52.547	ug/l #	13
94) Hexachlorobutadiene	13.77	225	770	0.934	ug/l	85

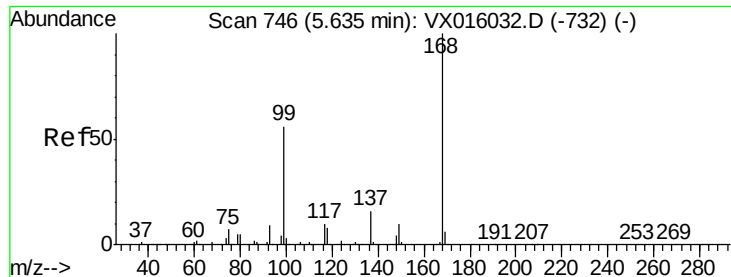
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016351.D

Acq: 20 May 2020 11:24

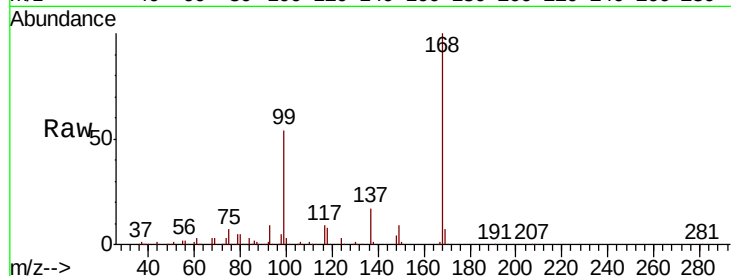
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 246904

Ion Ratio Lower Upper

168 100

99 54.1 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

80000

60000

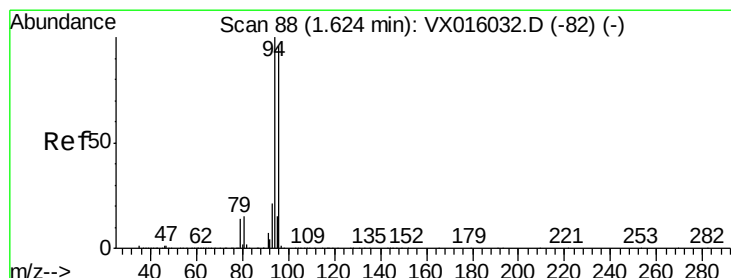
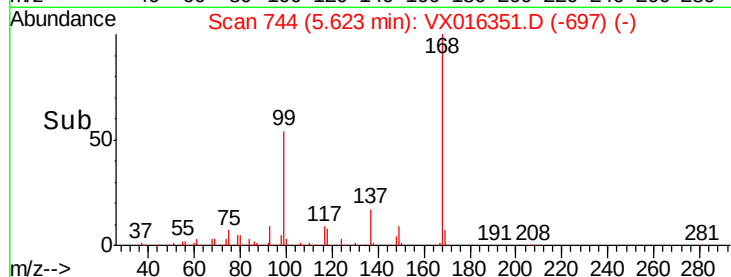
40000

20000

0

5.50 5.60 5.70

Time-->



#5

Bromomethane

Concen: 0.526 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016351.D

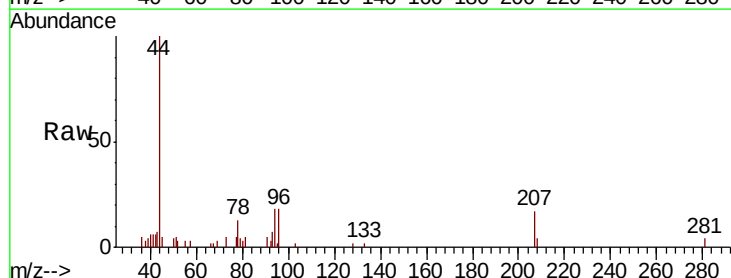
Acq: 20 May 2020 11:24

Tgt Ion: 94 Resp: 859

Ion Ratio Lower Upper

94 100

96 105.4 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

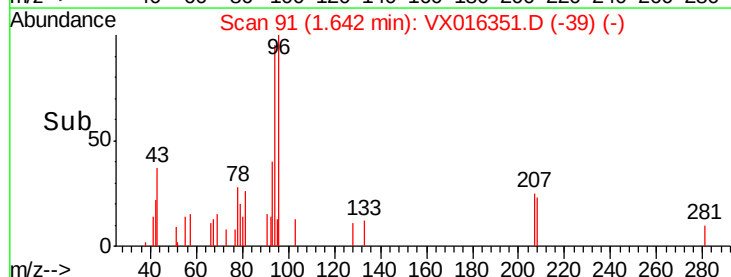
200

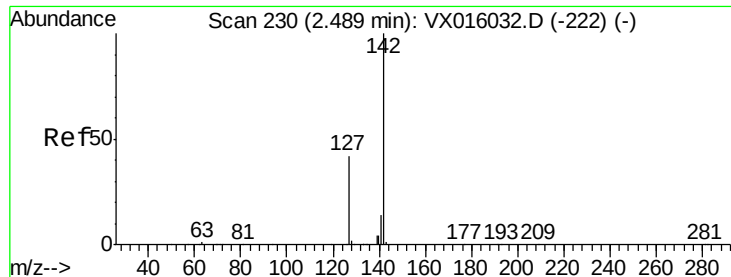
100

0

1.60 1.65 1.70

Time-->

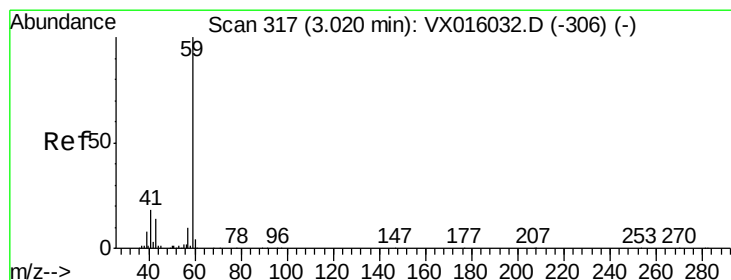
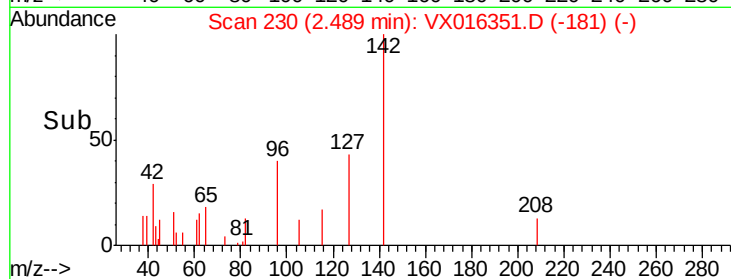
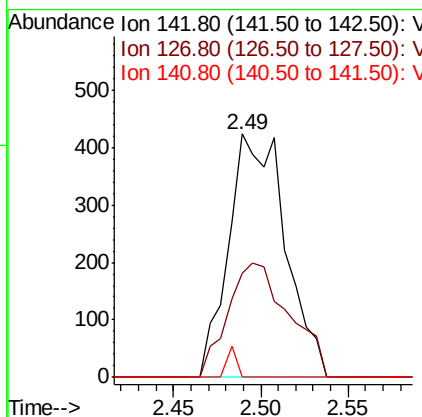
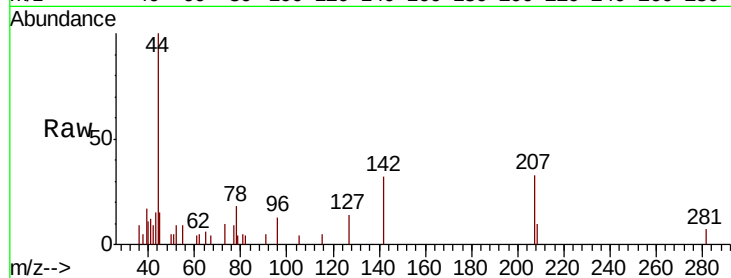




#10
Methvl Iodide
Concen: 0.291 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX016351.D
Acq: 20 May 2020 11:24

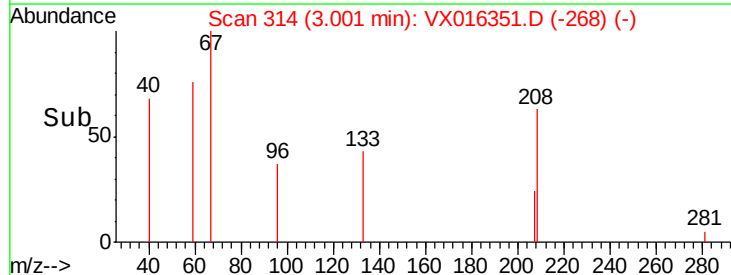
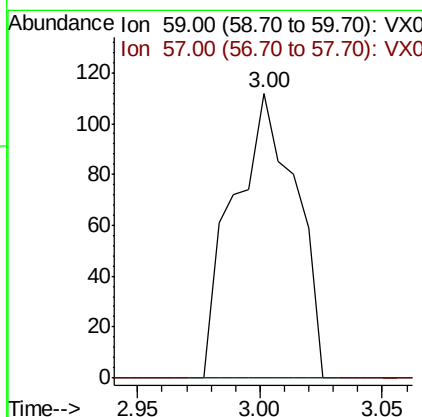
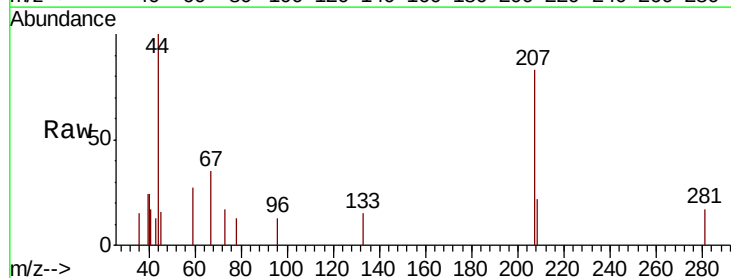
Instrument :
MSVOA_X
ClientSampled :

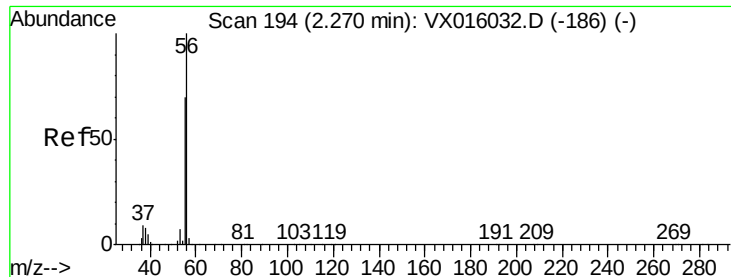
Tot Ion:142 Resp: 959
Ion Ratio Lower Upper
142 100
127 50.8 34.6 52.0
141 2.1 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.242 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016351.D
Acq: 20 May 2020 11:24

Tgt Ion: 59 Resp: 199
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 1.502 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016351.D

Acq: 20 May 2020 11:24

Instrument :

MSVOA_X

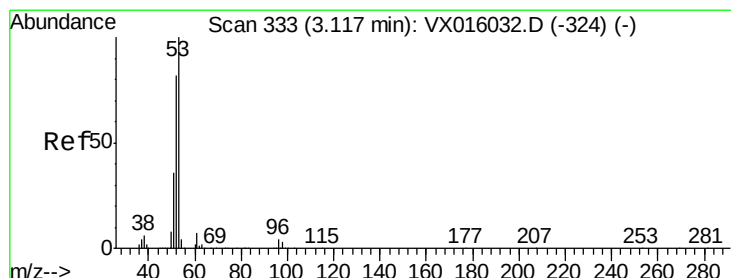
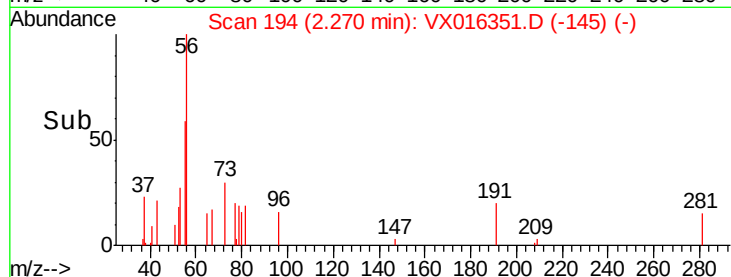
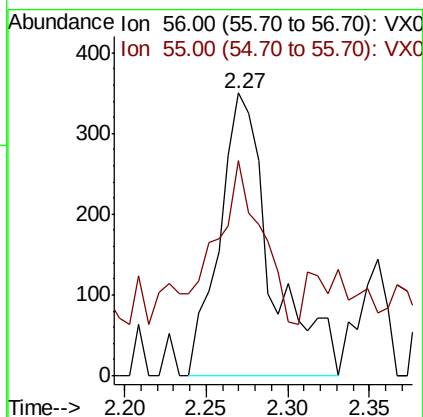
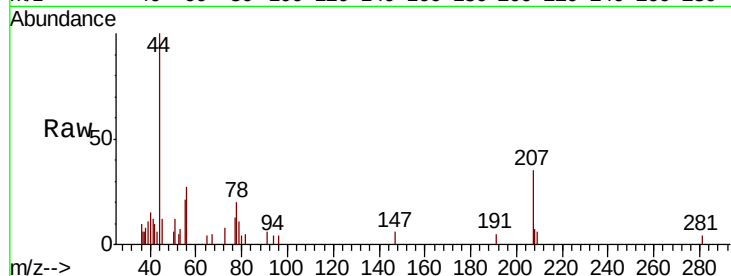
ClientSampled :

Tot Ion: 56 Resp: 772

Ion Ratio Lower Upper

56 100

55 58.8 56.5 84.7



#15

Acrylonitrile

Concen: 0.352 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016351.D

Acq: 20 May 2020 11:24

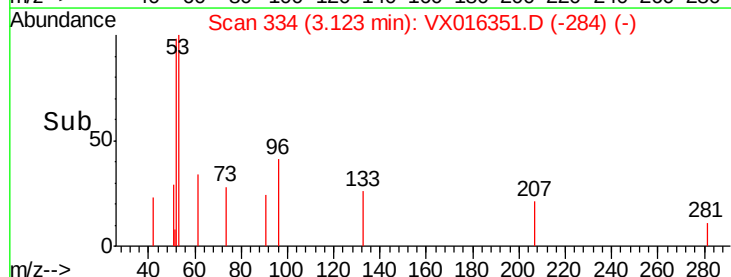
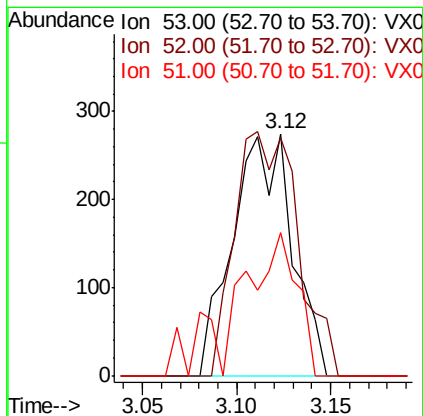
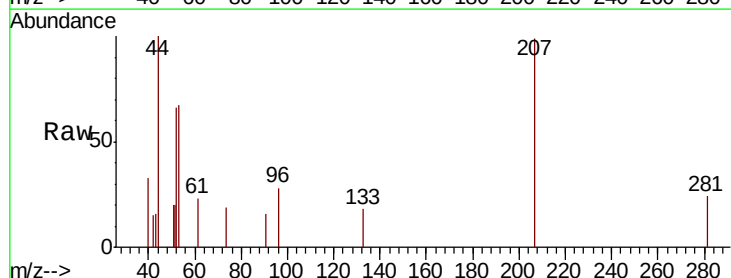
Tgt Ion: 53 Resp: 600

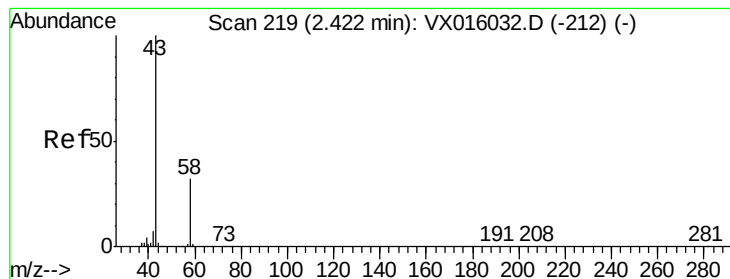
Ion Ratio Lower Upper

53 100

52 107.0 66.1 99.1#

51 60.5 28.8 43.2#





#16

Acetone

Concen: 0.239 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016351.D

Acq: 20 May 2020 11:24

Instrument :

MSVOA_X

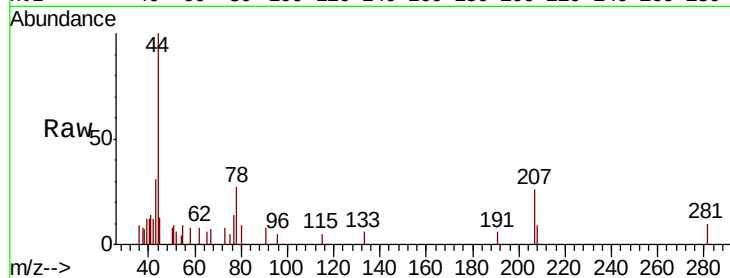
ClientSampled :

Tot Ion: 43 Resp: 346

Ion Ratio Lower Upper

43 100

58 42.3 25.4 38.0#

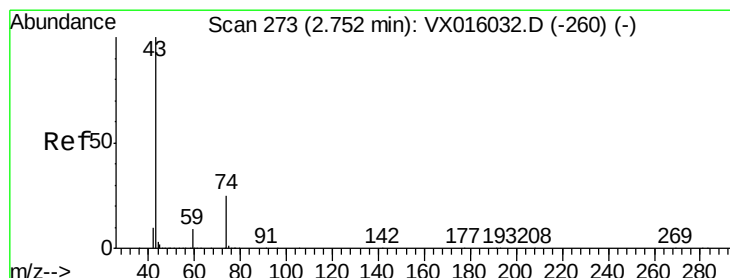
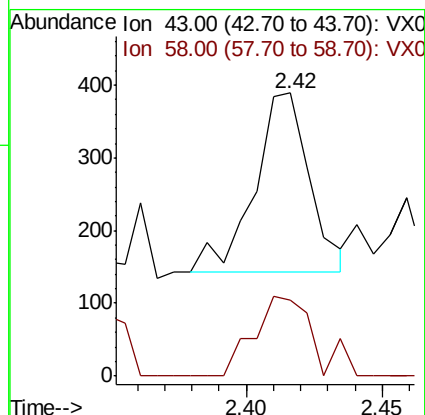
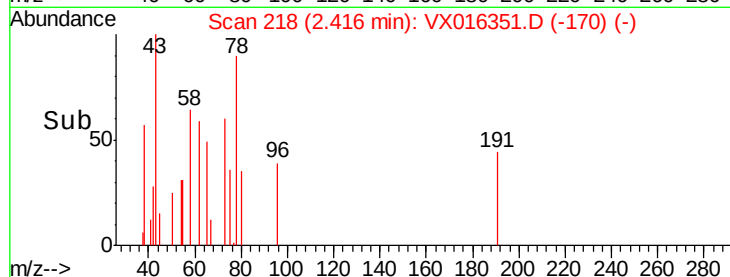


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

Time-->



#18

Methyl Acetate

Concen: 0.253 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016351.D

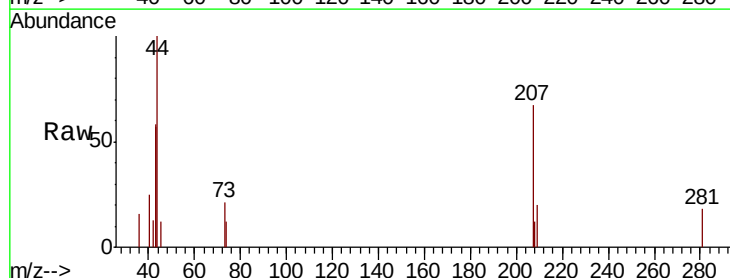
Acq: 20 May 2020 11:24

Tgt Ion: 43 Resp: 902

Ion Ratio Lower Upper

43 100

74 11.4 20.2 30.2#

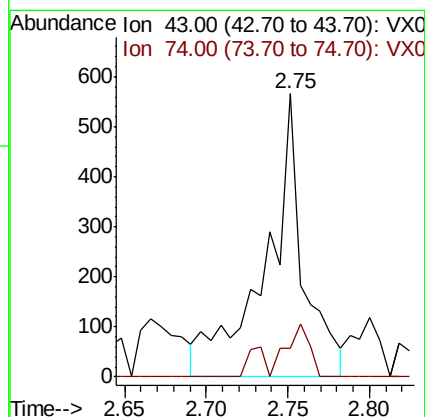
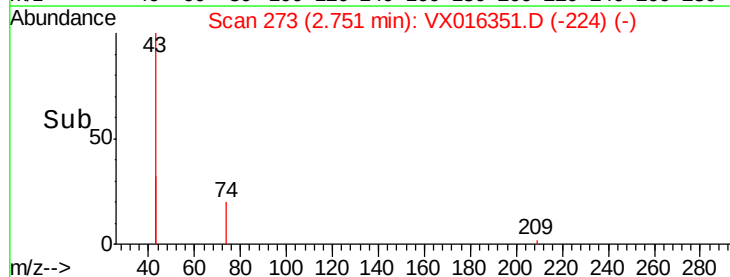


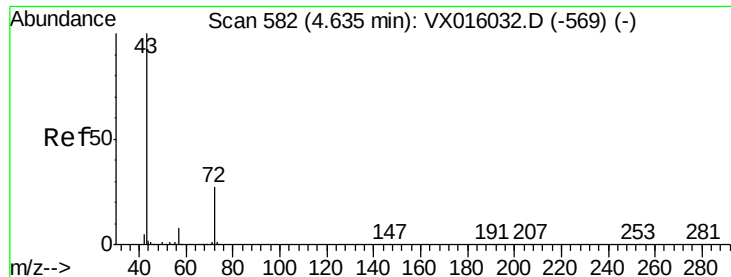
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

Time-->

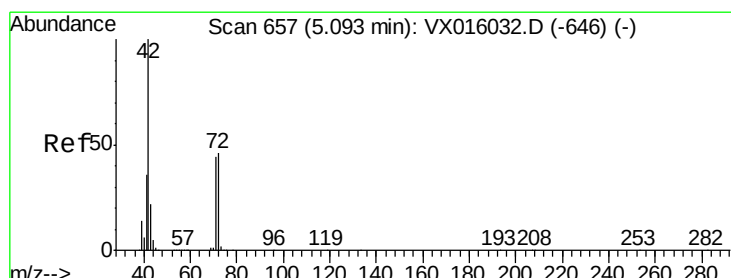
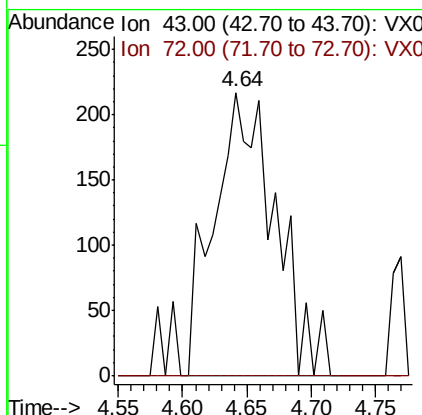
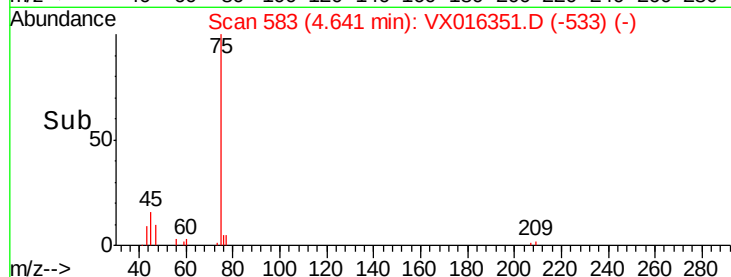
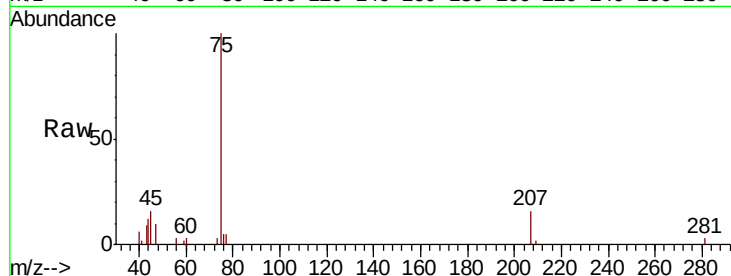




#25
2-Butanone
Concen: 0.307 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016351.D
Acq: 20 May 2020 11:24

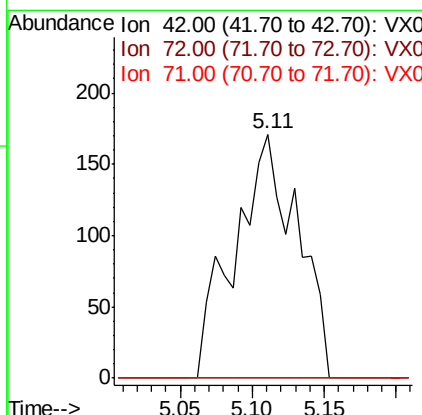
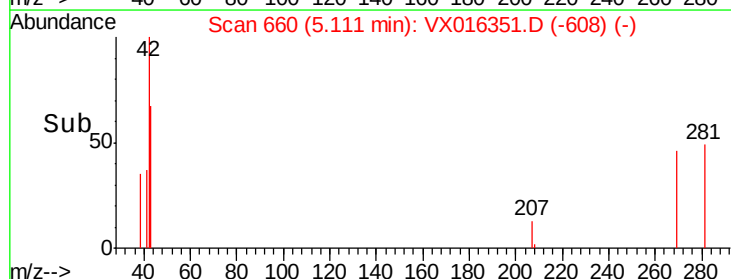
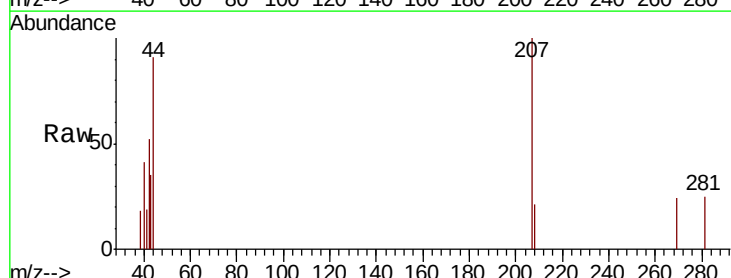
Instrument :
MSVOA_X
ClientSampleId :

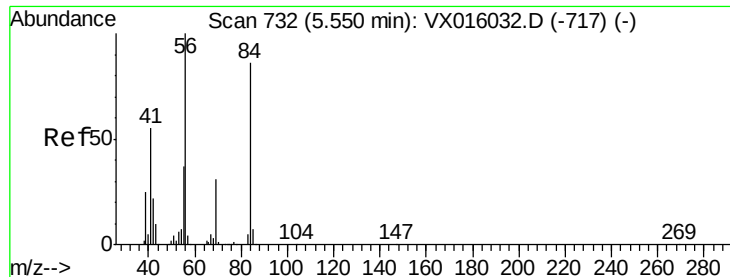
Tot Ion: 43 Resp: 717
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.8#



#29
Tetrahydrofuran
Concen: 0.334 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX016351.D
Acq: 20 May 2020 11:24

Tgt Ion: 42 Resp: 517
Ion Ratio Lower Upper
42 100
72 0.0 37.1 55.7#
71 0.0 34.5 51.7#

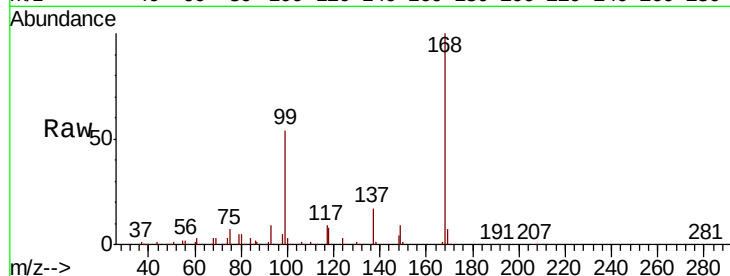




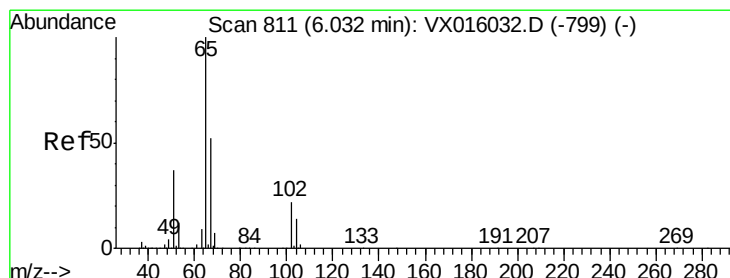
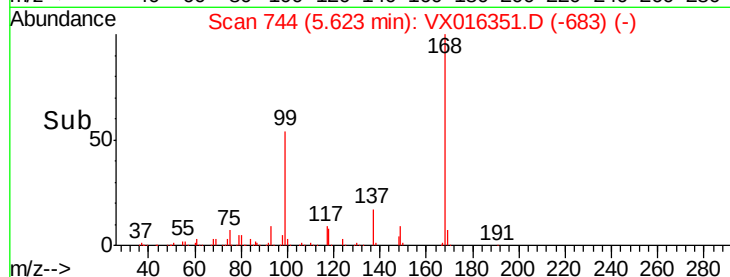
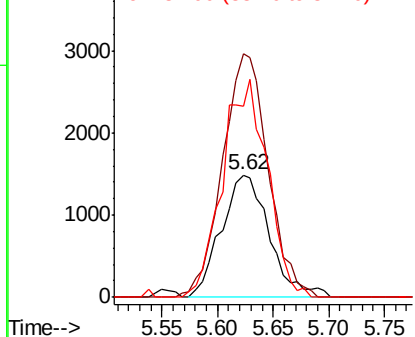
#31
Cyclohexane
Concen: 0.991 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016351.D
Acq: 20 May 2020 11:24

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 4474
Ion Ratio Lower Upper
56 100
69 198.9 25.0 37.6#
84 156.3 69.0 103.6#

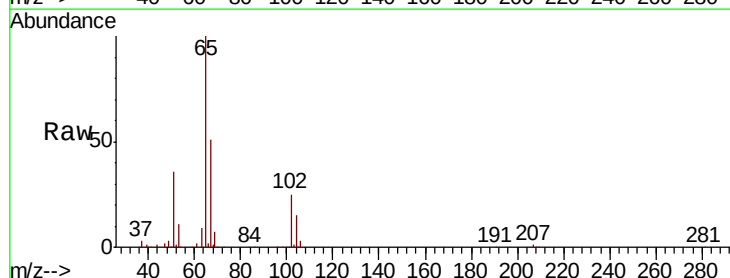


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

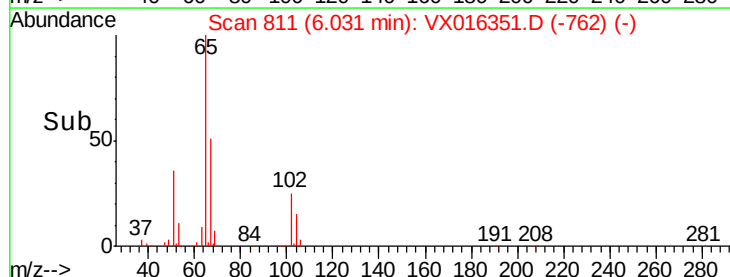
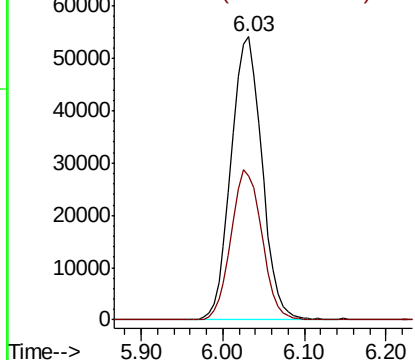


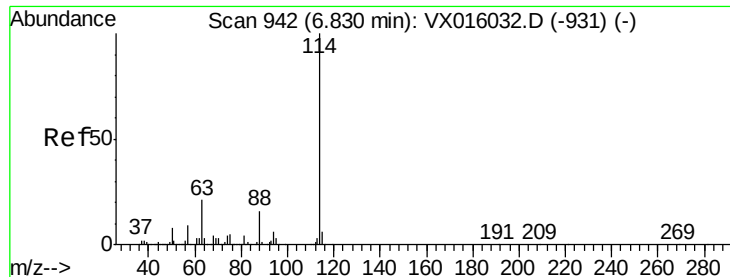
#33
1,2-Dichloroethane-d4
Concen: 43.725 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016351.D
Acq: 20 May 2020 11:24

Tgt Ion: 65 Resp: 142062
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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016351.D

Acq: 20 May 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

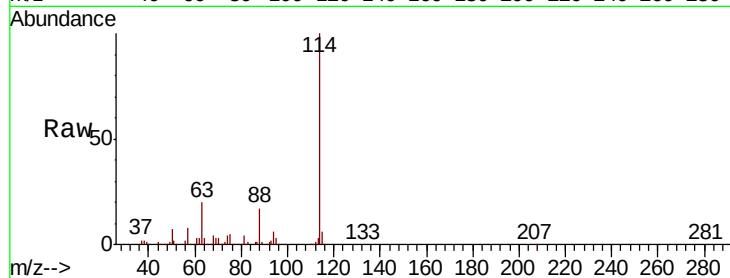
Tot Ion:114 Resp: 404948

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

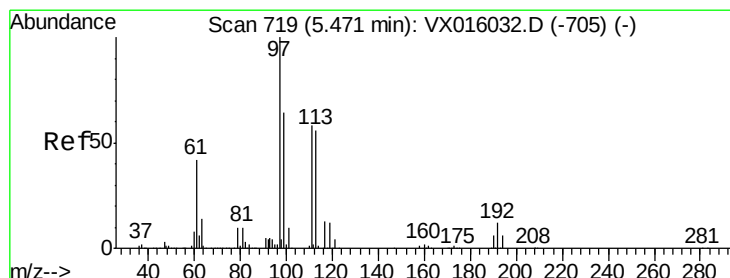
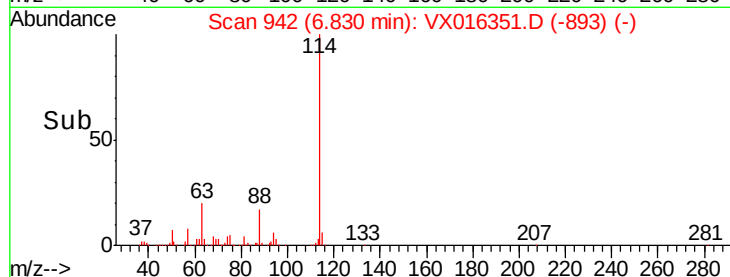
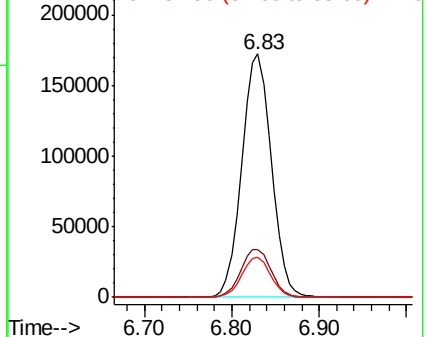
88 16.6 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 45.731 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016351.D

Acq: 20 May 2020 11:24

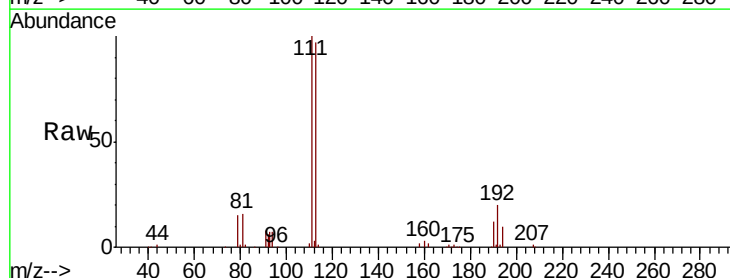
Tgt Ion:113 Resp: 117325

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

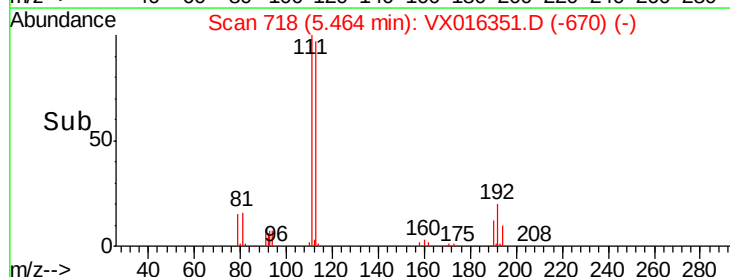
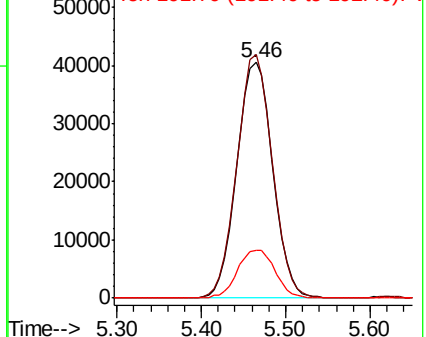
192 21.2 17.0 25.4

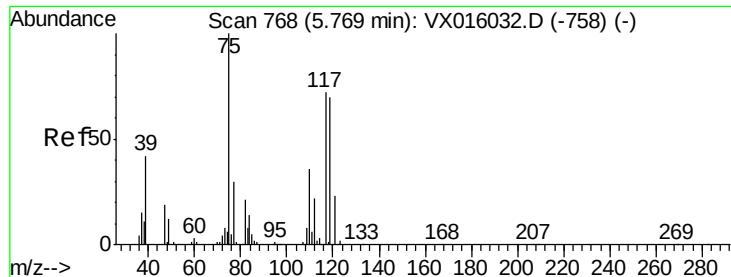


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.507 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016351.D

Acq: 20 May 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

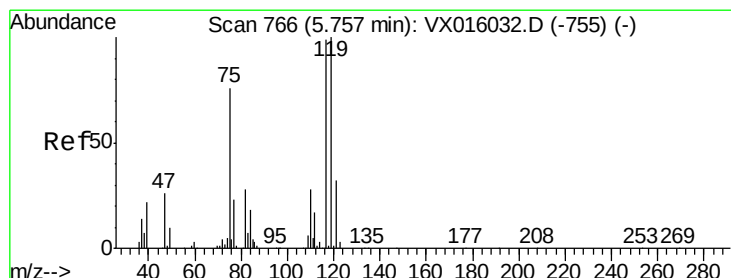
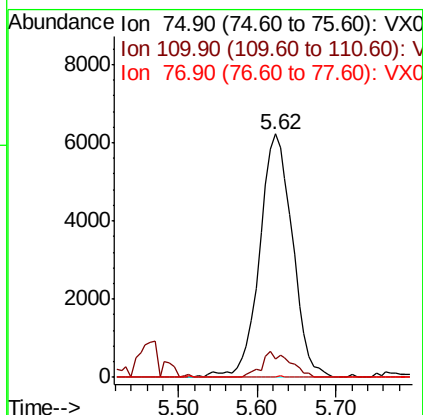
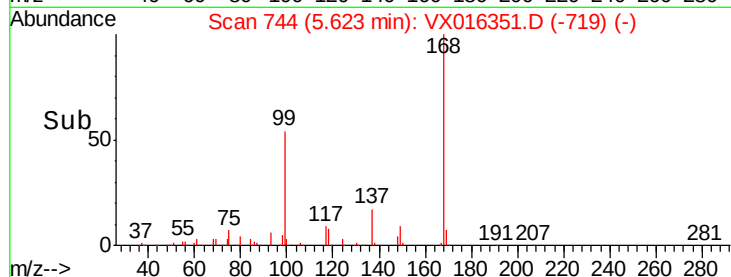
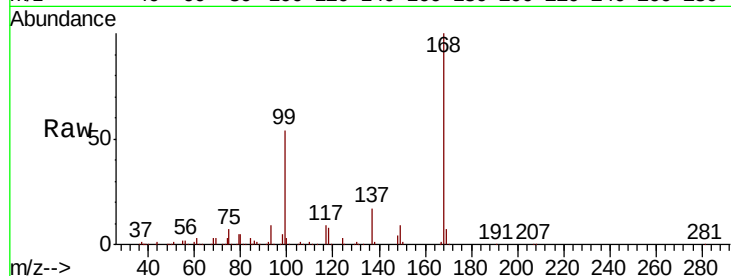
Tot Ion: 75 Resp: 17966

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.810 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016351.D

Acq: 20 May 2020 11:24

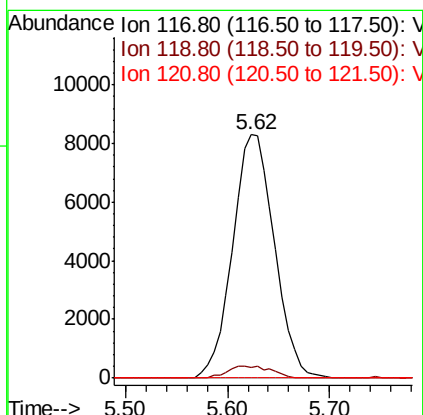
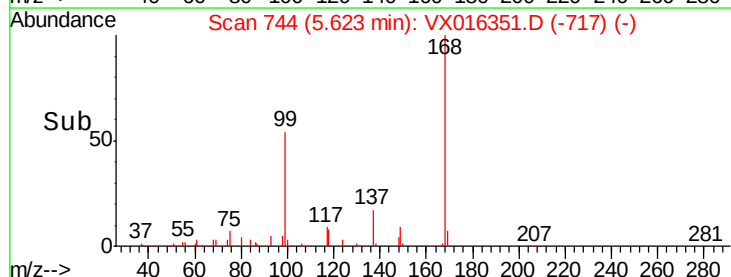
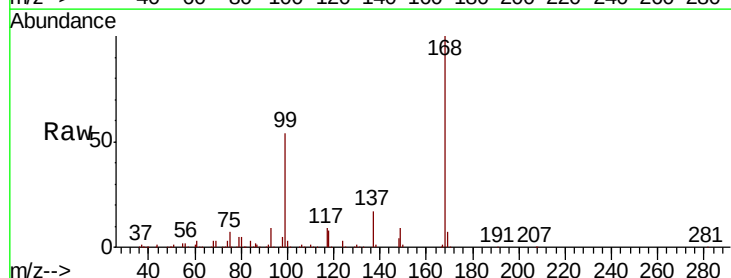
Tgt Ion: 117 Resp: 23539

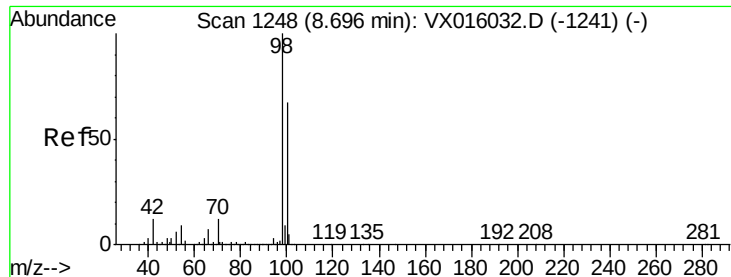
Ion Ratio Lower Upper

117 100

119 4.6 80.3 120.5#

121 0.0 25.7 38.5#

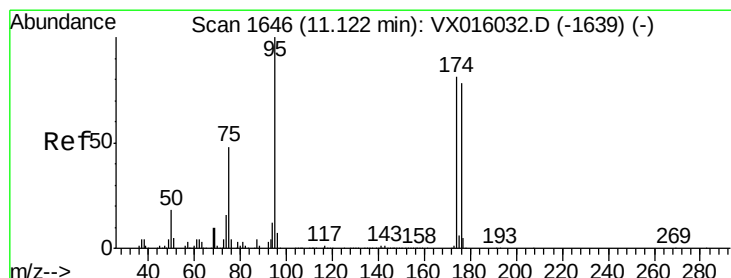
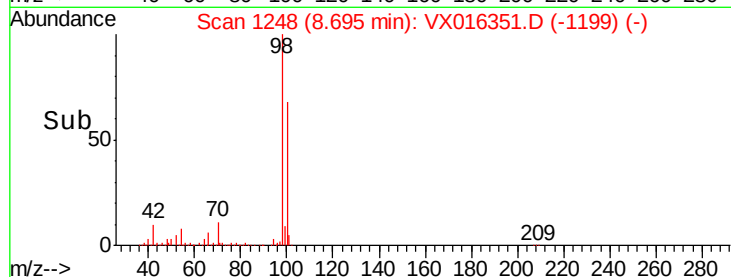
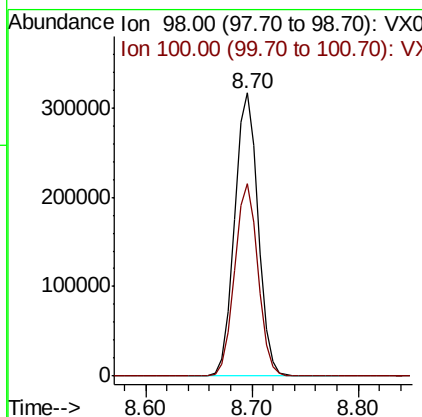
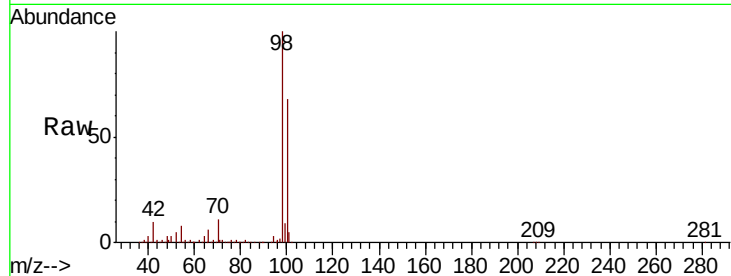




#50
Toluene-d8
Concen: 49.671 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016351.D
Acq: 20 May 2020 11:24

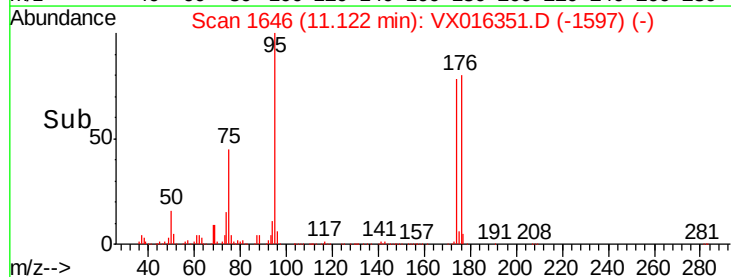
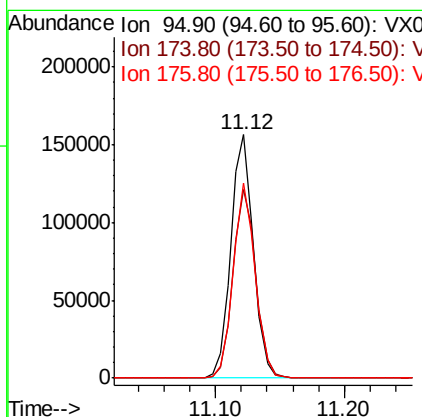
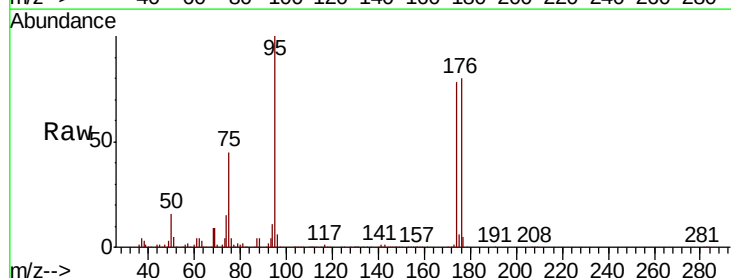
Instrument :
MSVOA_X
ClientSampleId :

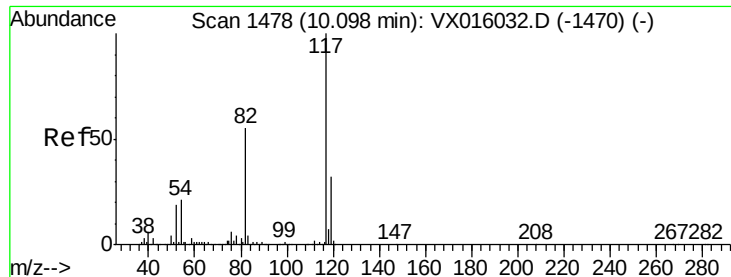
Tot Ion: 98 Resp: 491000
Ion Ratio Lower Upper
98 100
100 67.7 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 50.802 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016351.D
Acq: 20 May 2020 11:24

Tgt Ion: 95 Resp: 191008
Ion Ratio Lower Upper
95 100
174 78.8 0.0 159.4
176 78.2 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: VX016351.D

Acq: 20 May 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

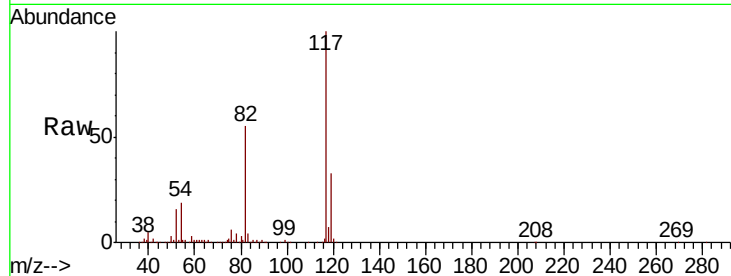
Tot Ion:117 Resp: 381540

Ion Ratio Lower Upper

117 100

82 55.1 44.4 66.6

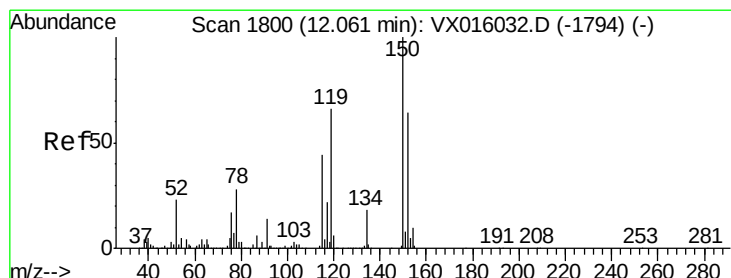
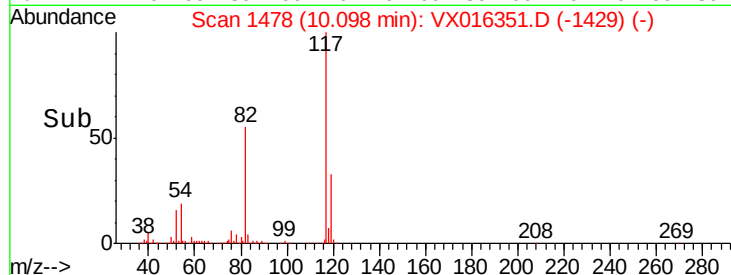
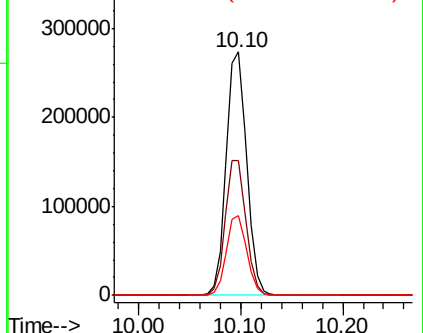
119 32.9 25.5 38.3



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: VX016351.D

Acq: 20 May 2020 11:24

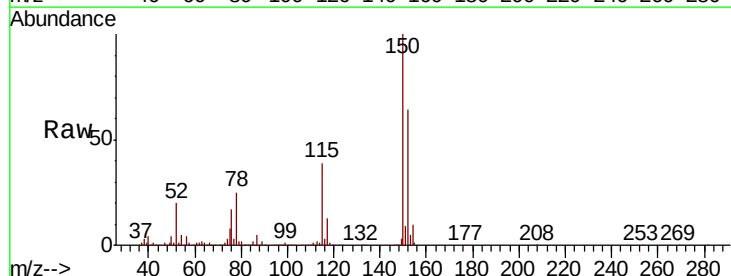
Tgt Ion:152 Resp: 179277

Ion Ratio Lower Upper

152 100

115 60.3 41.3 124.1

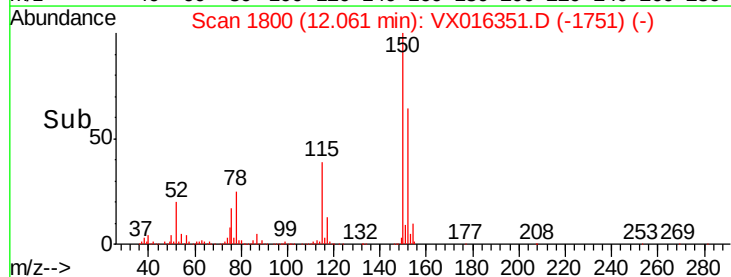
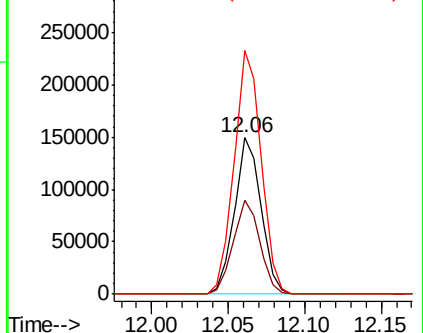
150 159.0 0.0 352.2

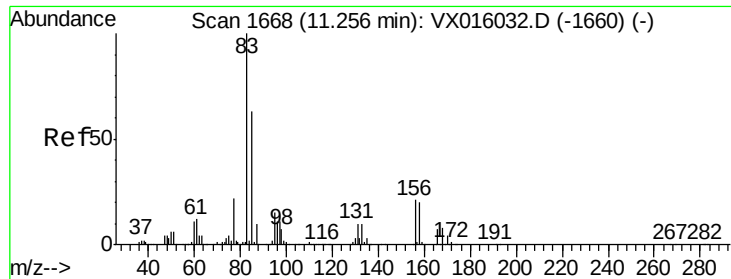


Abundance Ion 151.90 (151.60 to 152.60): V

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: 2.070 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016351.D

Acq: 20 May 2020 11:24

Instrument :

MSVOA_X

ClientSampled :

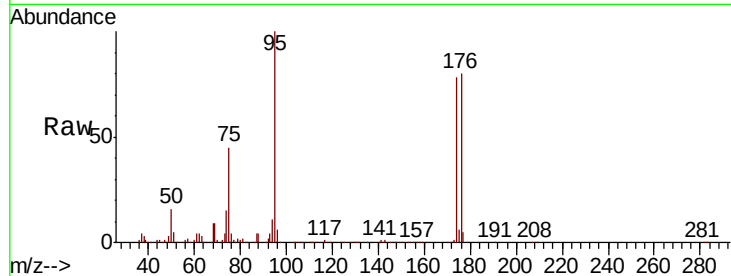
Tot Ion: 83 Resp: 51

Ion Ratio Lower Upper

83 100

131 594.1 5.1 15.4#

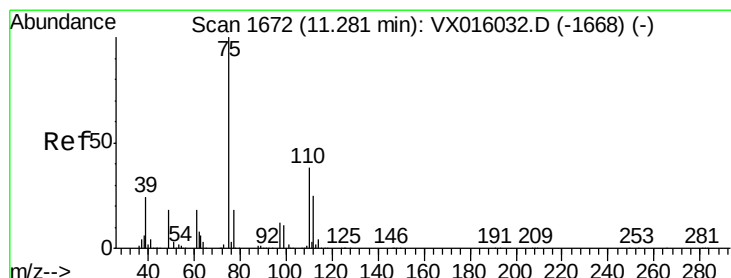
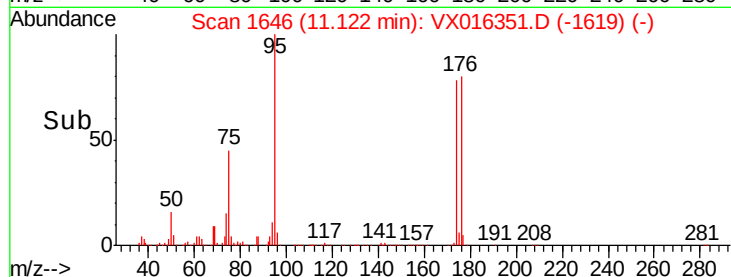
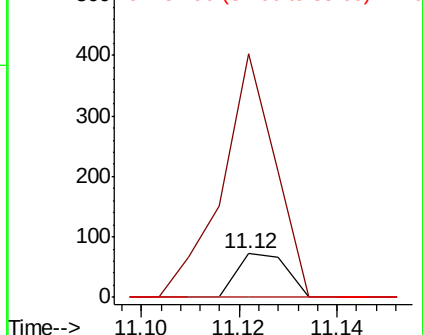
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.050 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016351.D

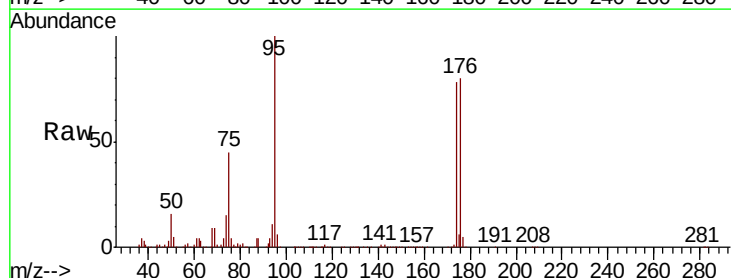
Acq: 20 May 2020 11:24

Tgt Ion: 75 Resp: 89704

Ion Ratio Lower Upper

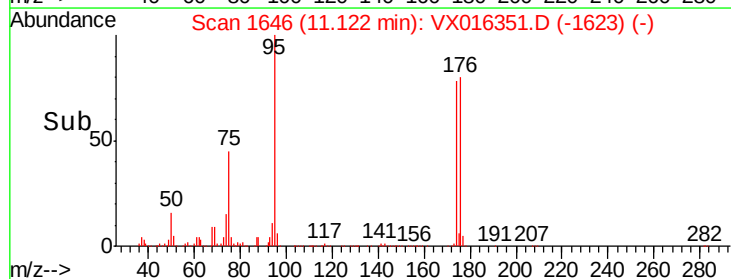
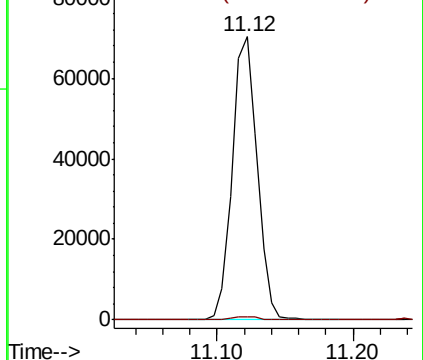
75 100

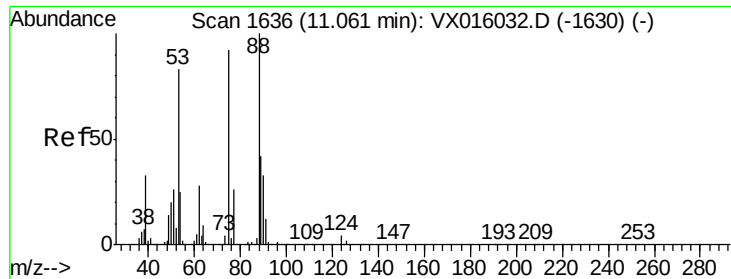
77 1.2 21.2 63.6#



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: 52.547 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016351.D

Acq: 20 May 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

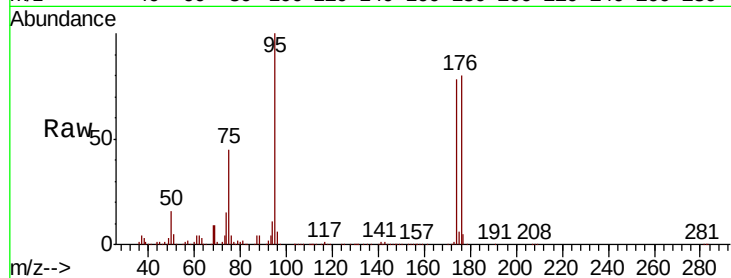
Tot Ion: 75 Resp: 89704

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

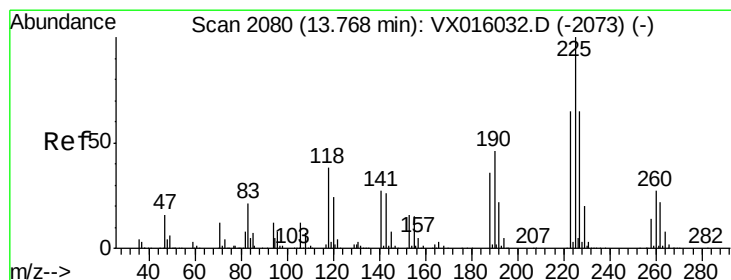
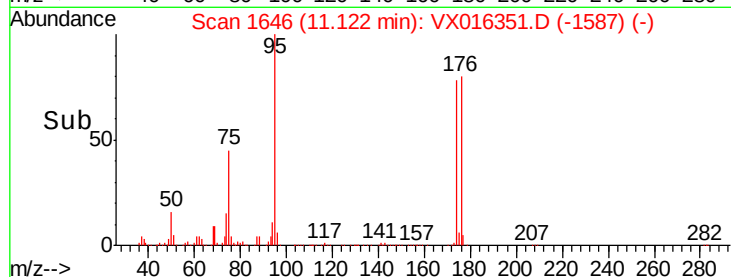
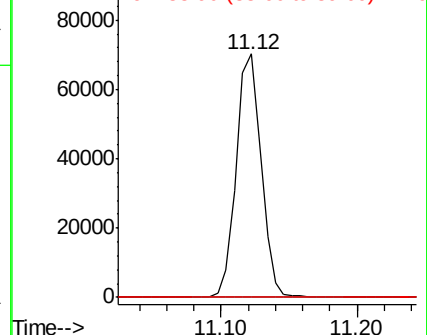
89 0.0 36.7 55.1#



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: 0.934 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016351.D

Acq: 20 May 2020 11:24

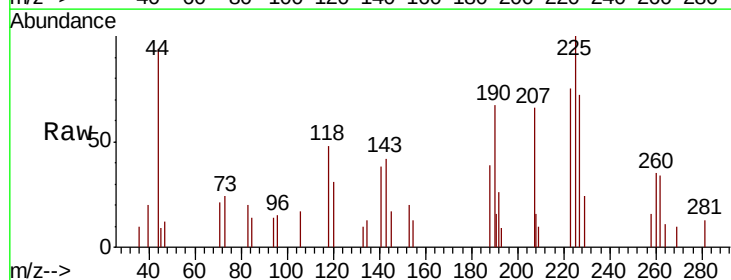
Tgt Ion: 225 Resp: 770

Ion Ratio Lower Upper

225 100

223 76.0 32.3 96.9

227 75.8 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

