

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016210.D
 Acq On : 14 May 2020 03:55
 Operator : JC/SP
 Sample : L2605-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 239997

Quant Time: May 14 04:49:55 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	5.64	168	275614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	463995	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	236665	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	169477	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
35) Dibromofluoromethane	5.47	113	138381	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
50) Toluene-d8	8.70	98	581396	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.12	95	229642	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	

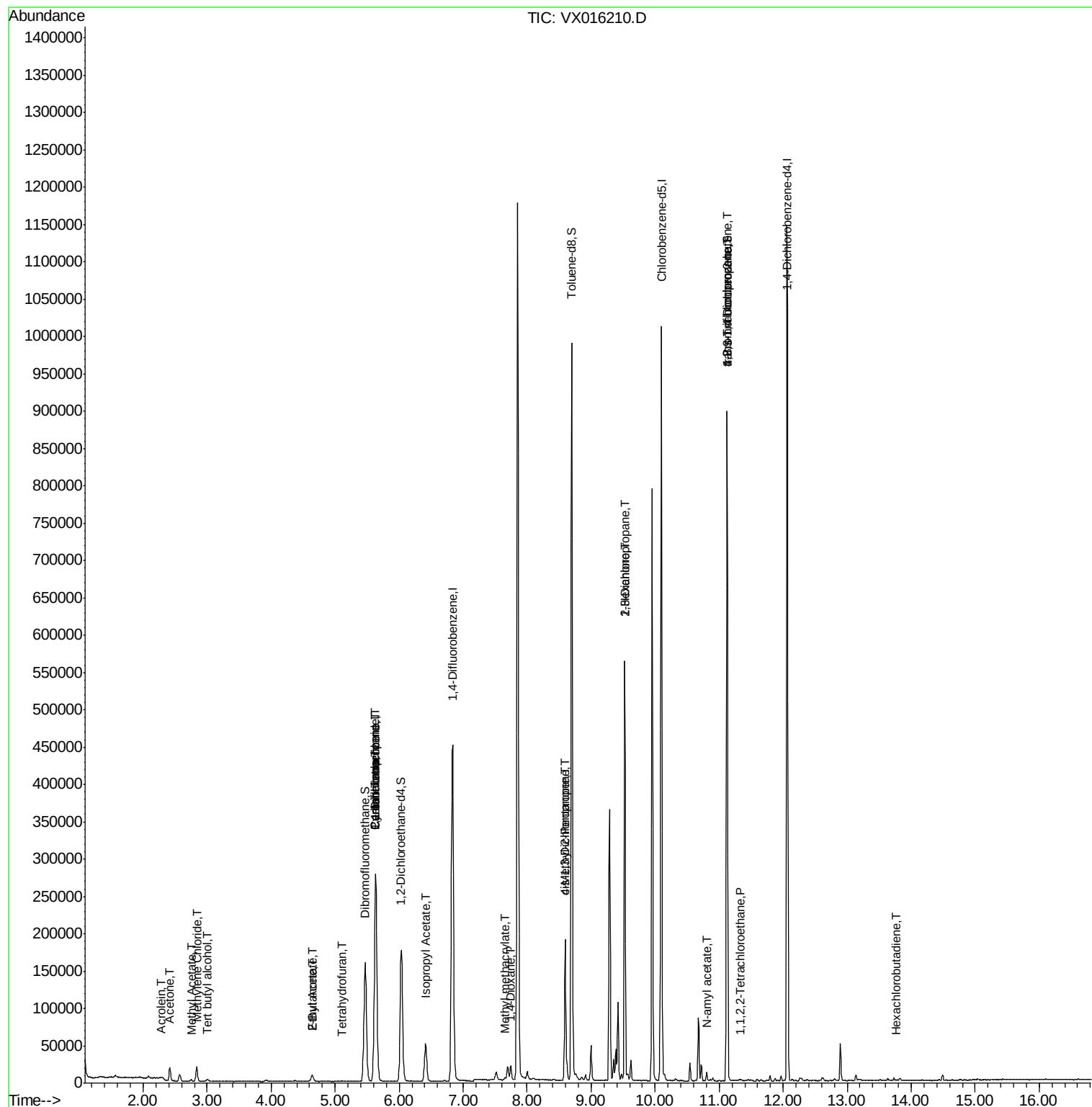
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	3658	3.989	ug/l	98
13) Acrolein	2.28	56	393	0.685	ug/l #	47
16) Acetone	2.42	43	18595	11.491	ug/l	94
17) Carbon Disulfide	2.56	76	1069	Below Cal	#	74
18) Methyl Acetate	2.75	43	3045	0.765	ug/l	98
20) Methylene Chloride	2.84	84	9073	2.720	ug/l	96
25) 2-Butanone	4.64	43	11866	4.550	ug/l	93
29) Tetrahydrofuran	5.12	42	1440	0.833	ug/l #	57
31) Cyclohexane	5.62	56	5341	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20928	4.582	ug/l #	49
37) Ethyl Acetate	4.64	43	11866	2.242	ug/l #	67
38) Carbon Tetrachloride	5.64	117	26812	5.775	ug/l #	14
43) Isopropyl Acetate	6.41	43	69415	8.218	ug/l	99
48) Methyl methacrylate	7.65	41	4282	1.070	ug/l #	14
49) 1,4-Dioxane	7.74	88	23	0.240	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	66970	12.957	ug/l #	45
54) cis-1,3-Dichloropropene	8.59	75	31770	5.451	ug/l #	58
57) 1,3-Dichloropropane	9.52	76	4762	0.833	ug/l #	46
59) 2-Hexanone	9.52	43	59742	14.718	ug/l #	50
74) N-amyl acetate	10.80	43	5582	0.695	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	11.32	83	104	2.081	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	113106	21.061	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	113106	50.189	ug/l #	13
94) Hexachlorobutadiene	13.76	225	22	0.532	ug/l #	1

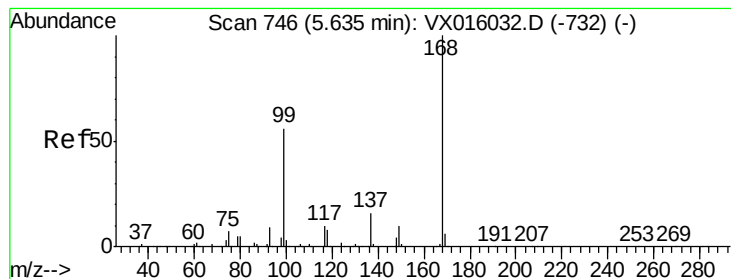
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

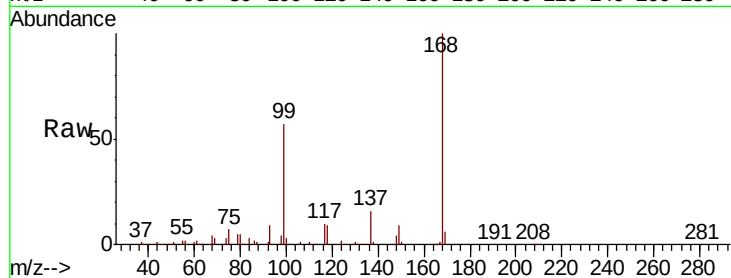
239997

Tot Ion:168 Resp: 275614

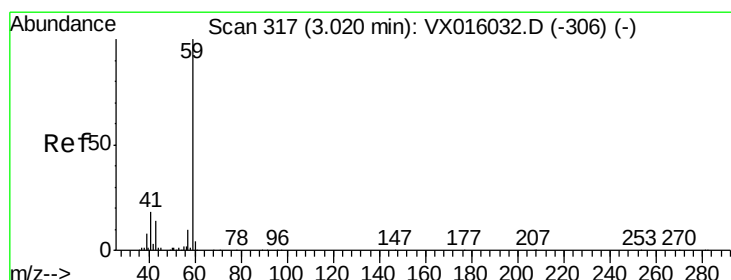
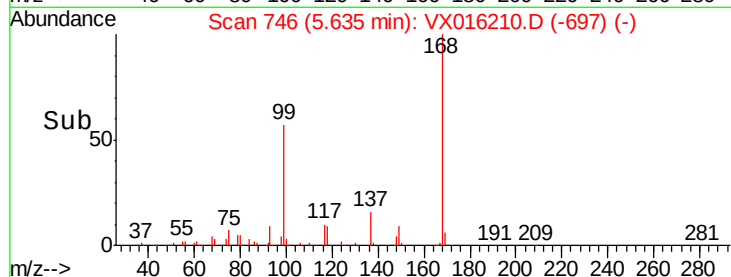
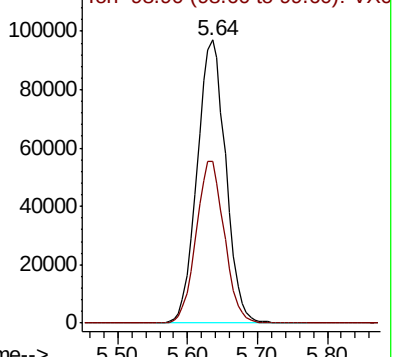
Ion Ratio Lower Upper

168 100

99 57.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VX016210.D (-697) (-)



#11

Tert butyl alcohol

Concen: 3.989 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016210.D

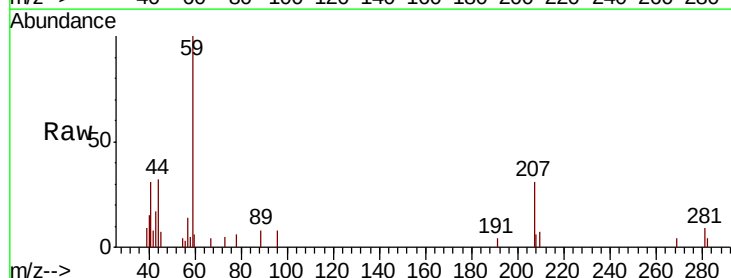
Acq: 14 May 2020 03:55

Tgt Ion: 59 Resp: 3658

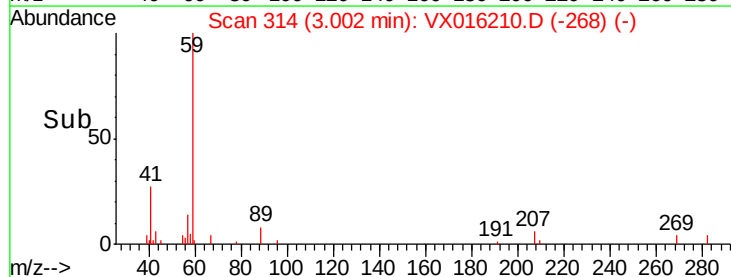
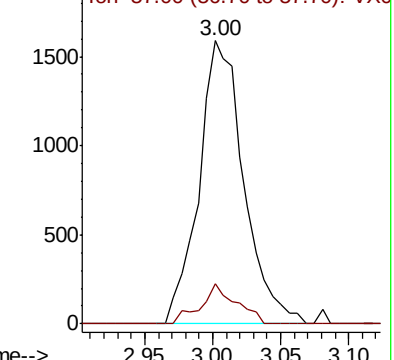
Ion Ratio Lower Upper

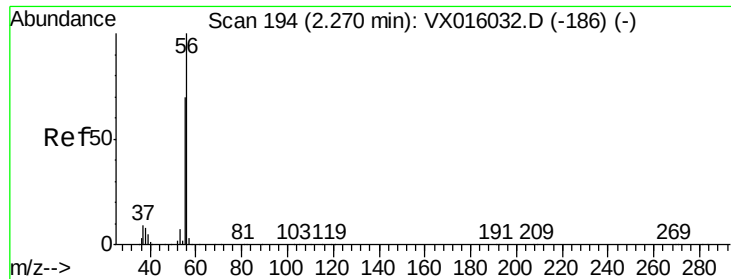
59 100

57 11.1 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX016210.D (-268) (-)

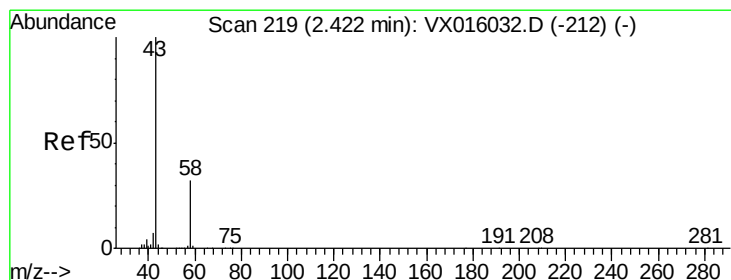
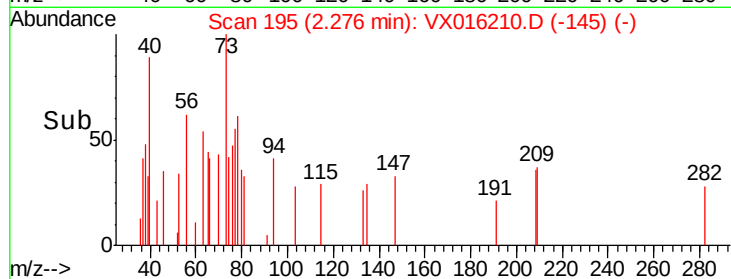
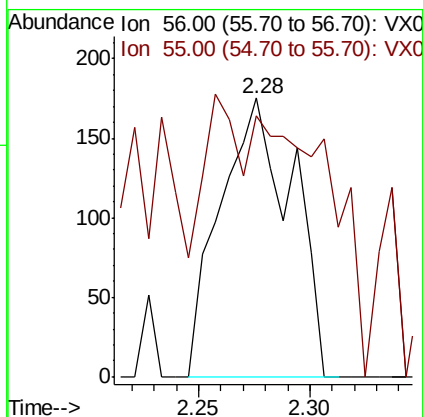
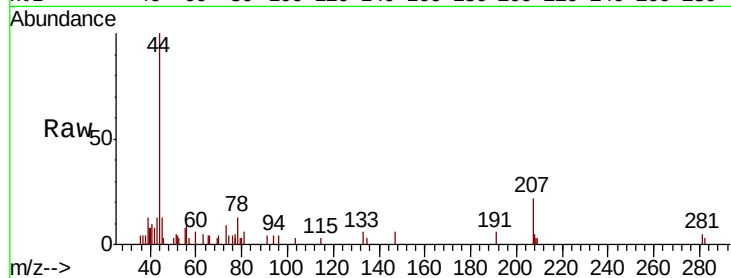




#13
Acrolein
Concen: 0.685 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016210.D
Acq: 14 May 2020 03:55

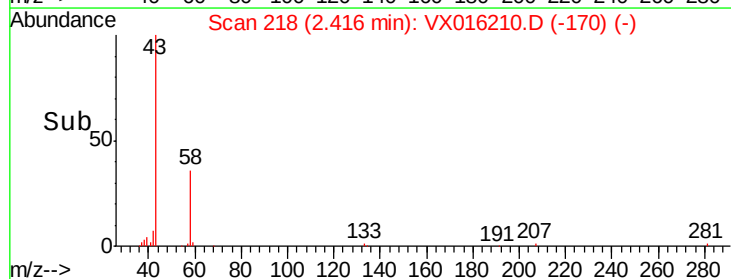
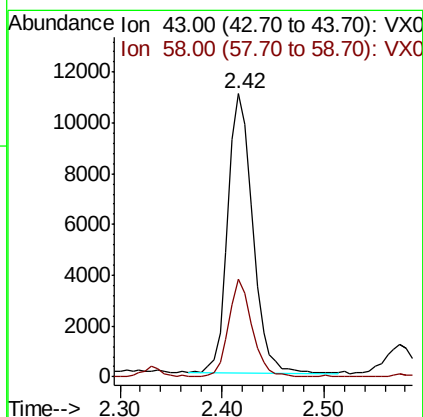
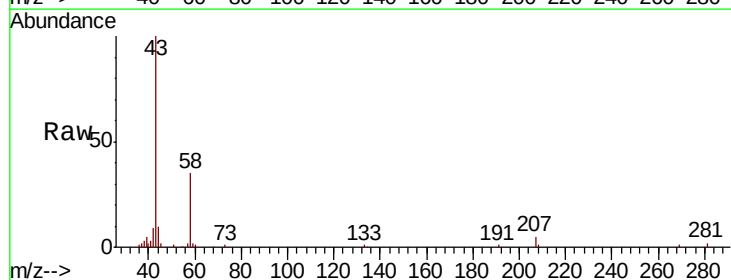
Instrument :
MSVOA_X
ClientSampleId :
239997

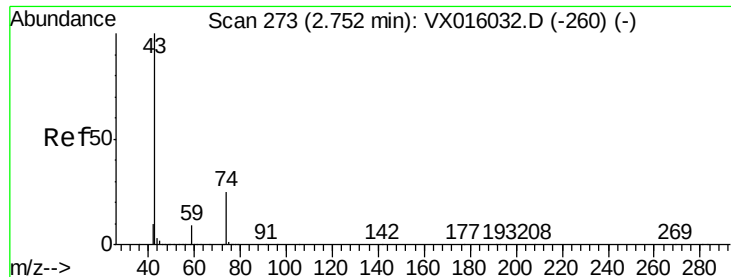
Tot Ion: 56 Resp: 393
Ion Ratio Lower Upper
56 100
55 27.2 56.5 84.7#



#16
Acetone
Concen: 11.491 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016210.D
Acq: 14 May 2020 03:55

Tgt Ion: 43 Resp: 18595
Ion Ratio Lower Upper
43 100
58 35.1 25.4 38.0

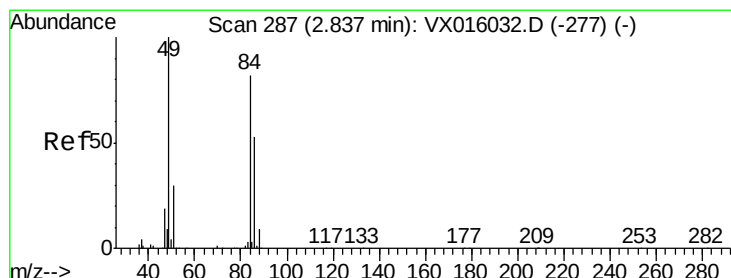
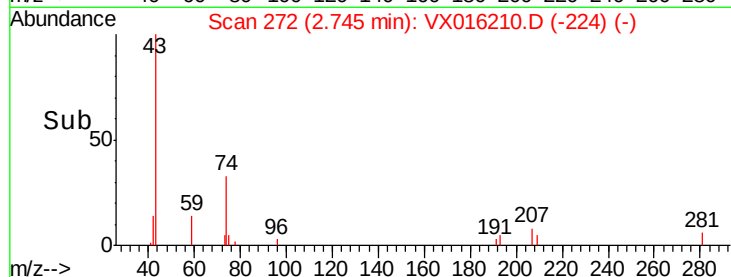
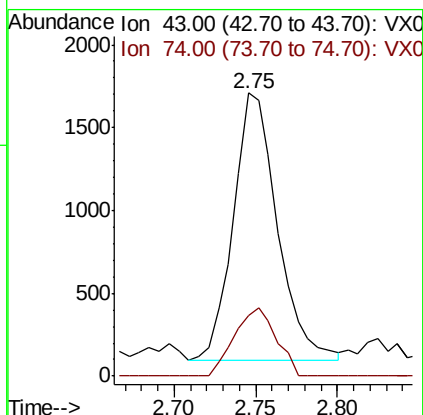
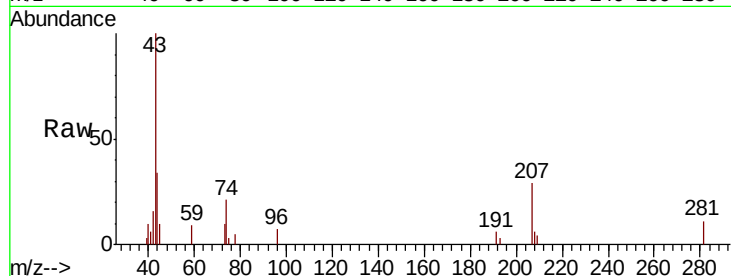




#18
Methyl Acetate
Concen: 0.765 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016210.D
Acq: 14 May 2020 03:55

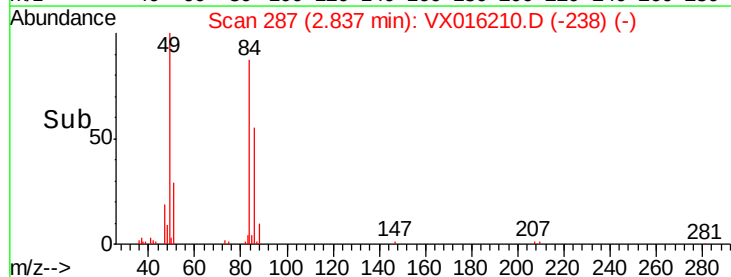
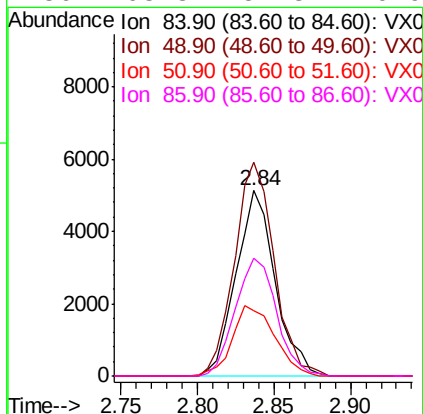
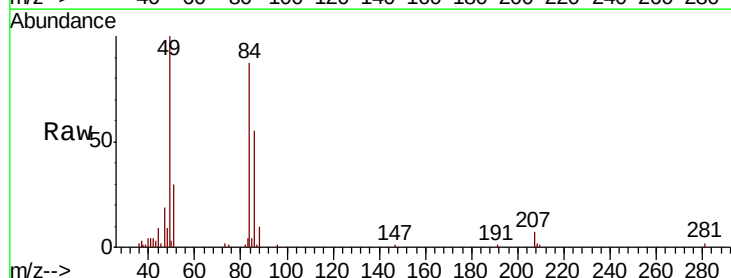
Instrument :
MSVOA_X
ClientSampleId :
239997

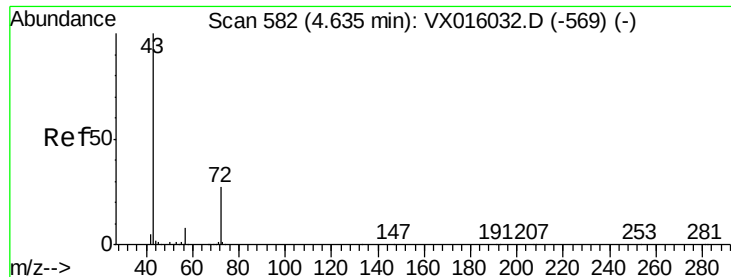
Tot Ion: 43 Resp: 3045
Ion Ratio Lower Upper
43 100
74 24.0 20.2 30.2



#20
Methylene Chloride
Concen: 2.720 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016210.D
Acq: 14 May 2020 03:55

Tgt Ion: 84 Resp: 9073
Ion Ratio Lower Upper
84 100
49 115.2 97.3 145.9
51 34.9 29.3 43.9
86 63.3 51.3 76.9

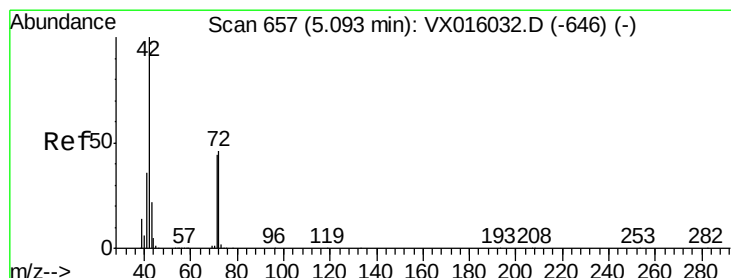
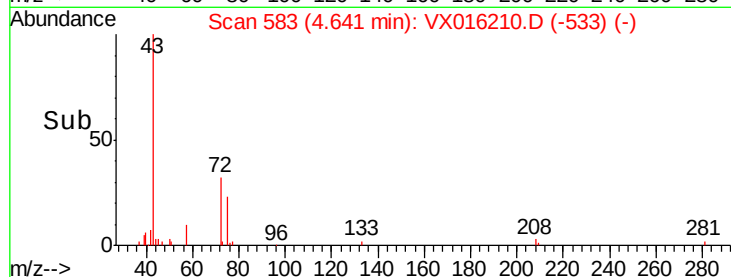
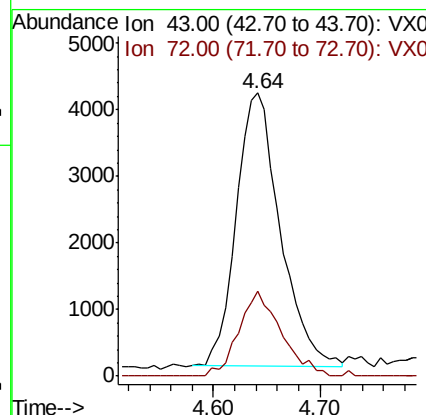
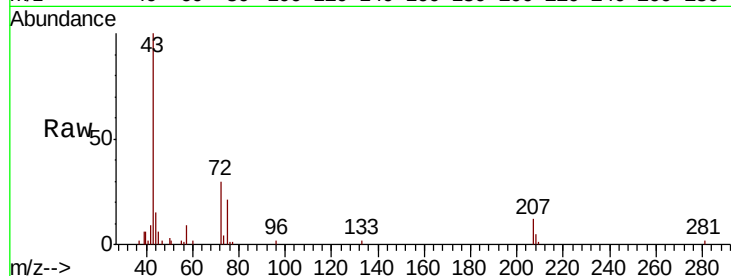




#25
2-Butanone
Concen: 4.550 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016210.D
Acq: 14 May 2020 03:55

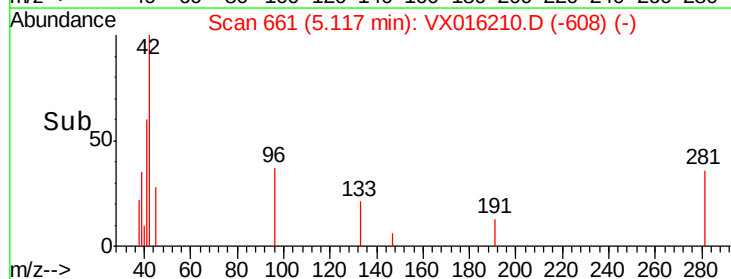
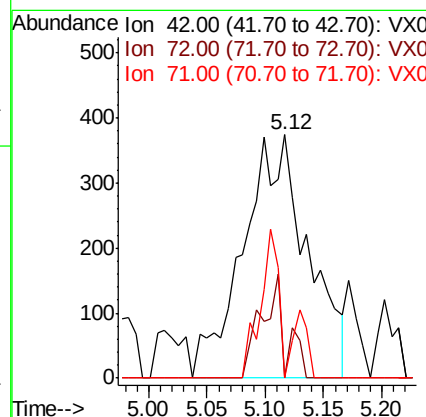
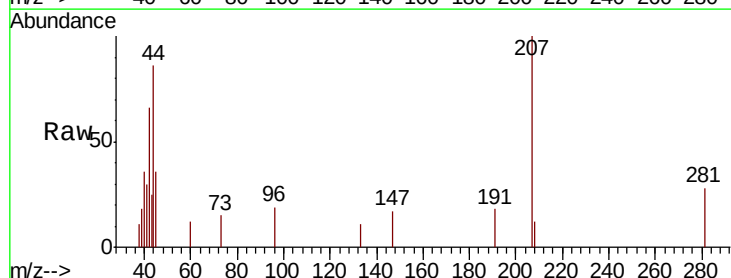
Instrument :
MSVOA_X
ClientSampleId :
239997

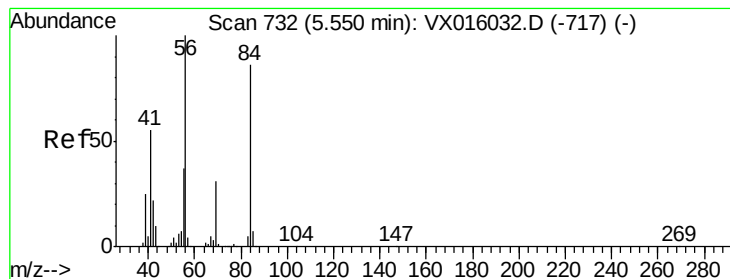
Tot Ion: 43 Resp: 11866
Ion Ratio Lower Upper
43 100
72 31.1 21.8 32.8



#29
Tetrahydrofuran
Concen: 0.833 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX016210.D
Acq: 14 May 2020 03:55

Tgt Ion: 42 Resp: 1440
Ion Ratio Lower Upper
42 100
72 16.1 37.1 55.7#
71 17.3 34.5 51.7#





#31

Cyclohexane

Concen: 1.060 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

Instrument :

MSVOA_X

ClientSampled :

239997

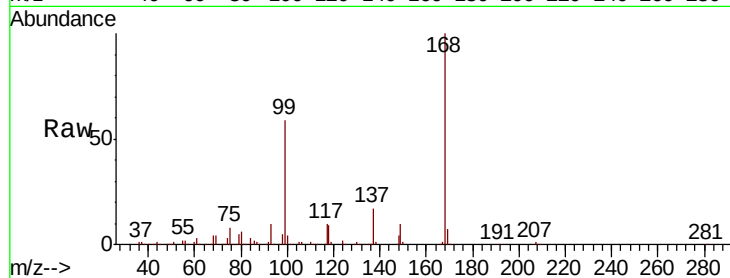
Tot Ion: 56 Resp: 5341

Ion Ratio Lower Upper

56 100

69 163.8 25.0 37.6#

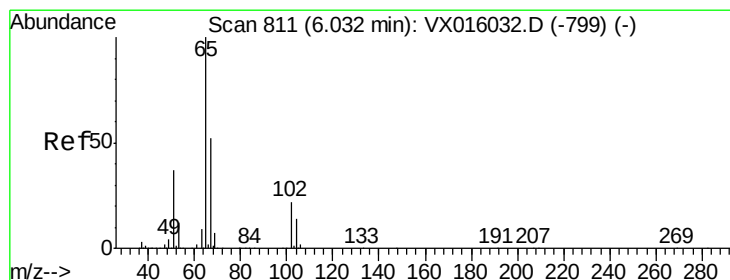
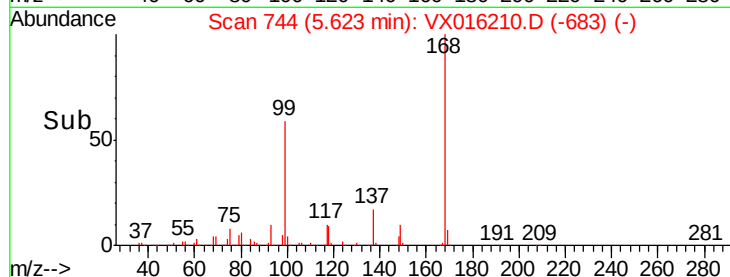
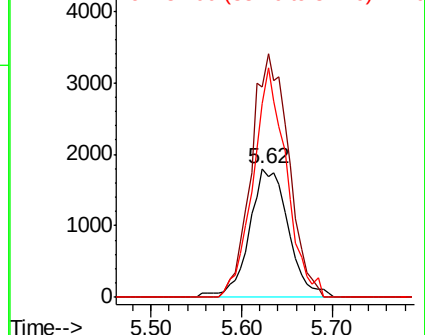
84 150.4 69.0 103.6#



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: 46.729 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016210.D

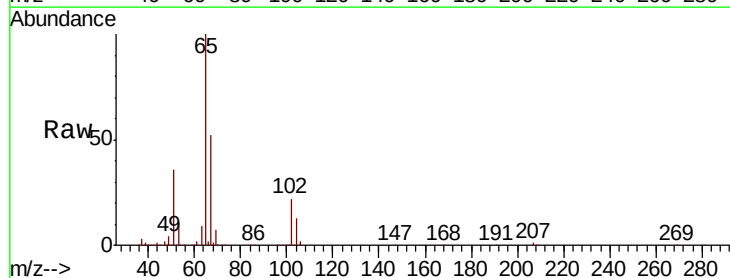
Acq: 14 May 2020 03:55

Tgt Ion: 65 Resp: 169477

Ion Ratio Lower Upper

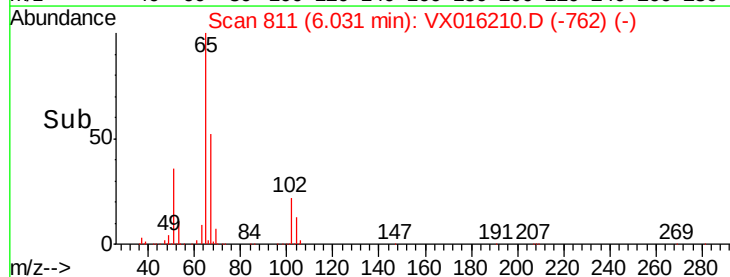
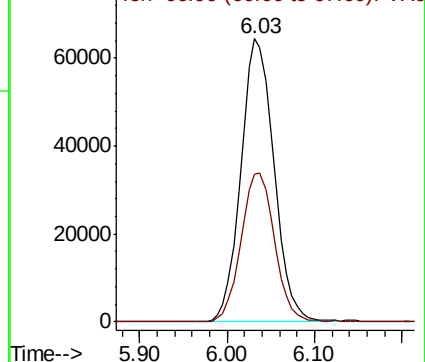
65 100

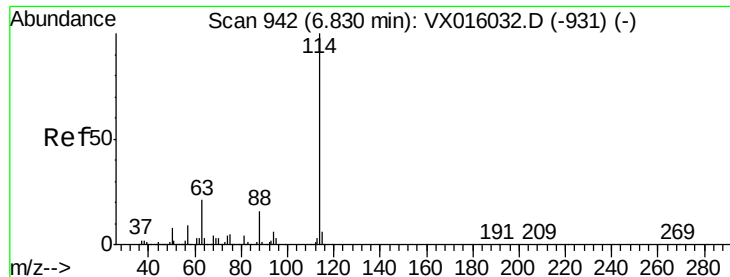
67 53.1 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

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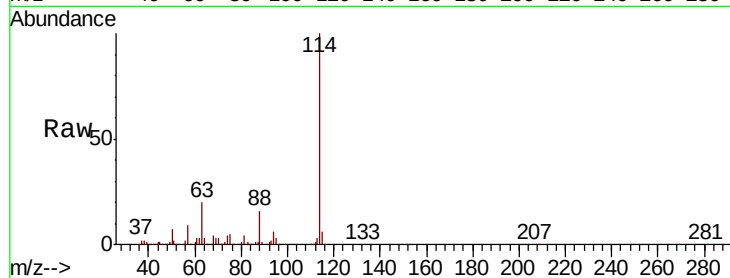
Tot Ion:114 Resp: 463995

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

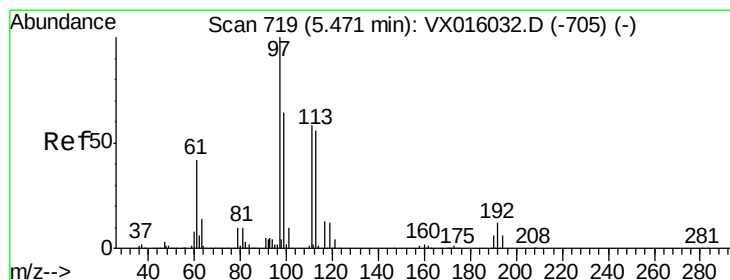
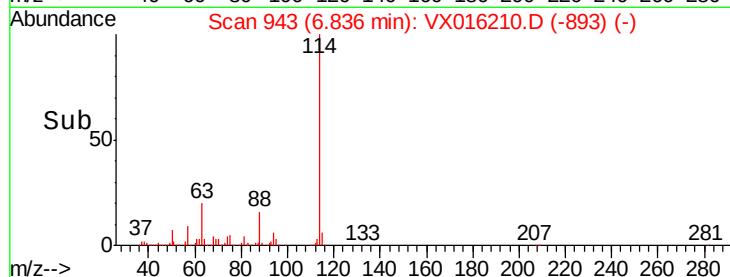
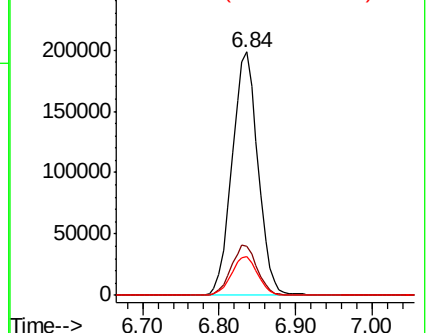
88 15.8 0.0 31.4



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: 47.075 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

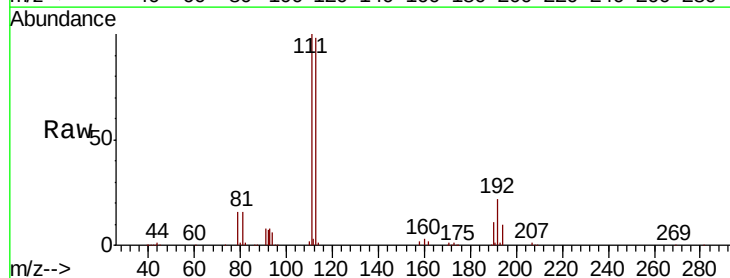
Tgt Ion:113 Resp: 138381

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

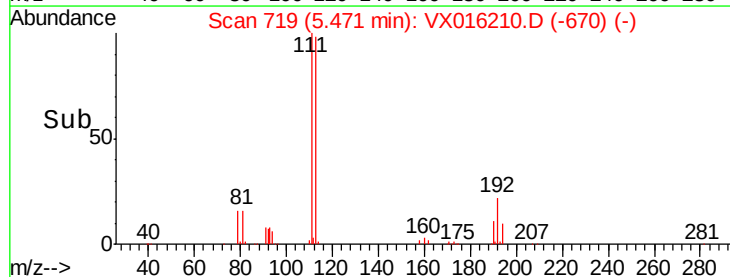
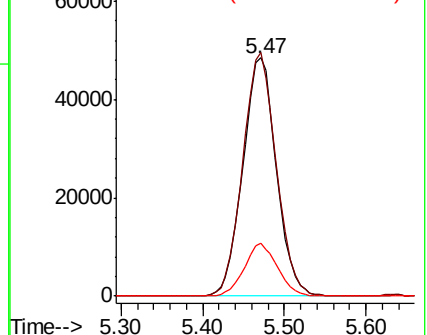
192 21.9 17.0 25.4

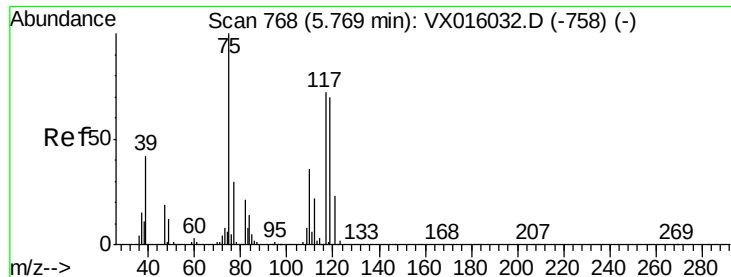


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.582 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

Instrument :

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ClientSampleId :

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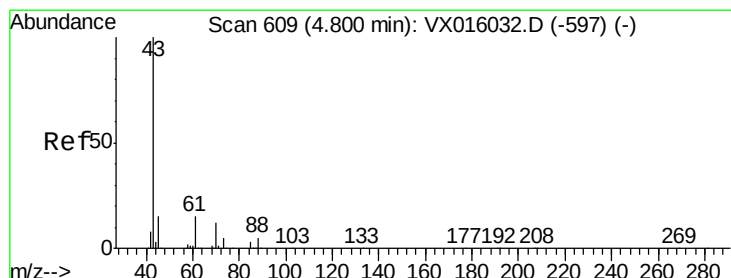
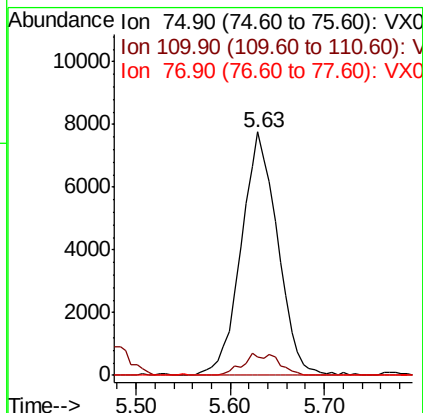
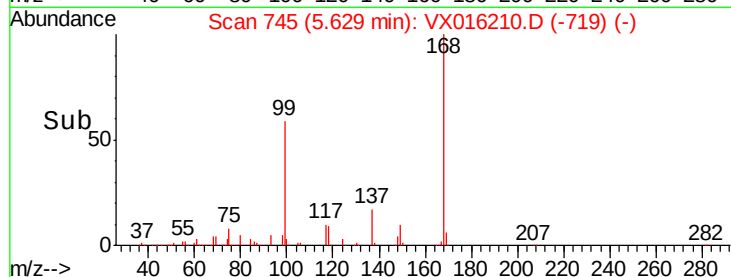
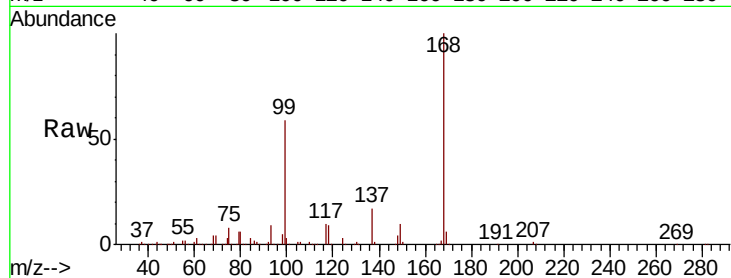
Tot Ion: 75 Resp: 20928

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

77 0.0 25.0 37.6#



#37

Ethyl Acetate

Concen: 2.242 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.16 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

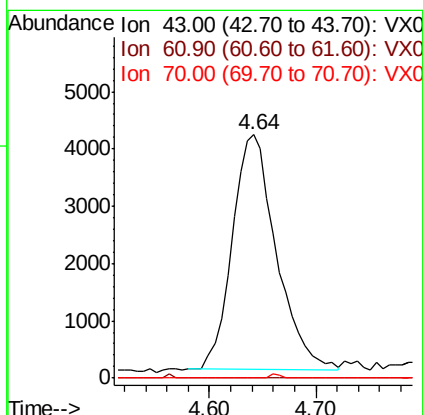
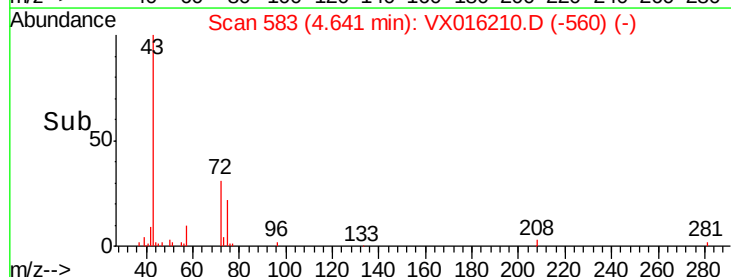
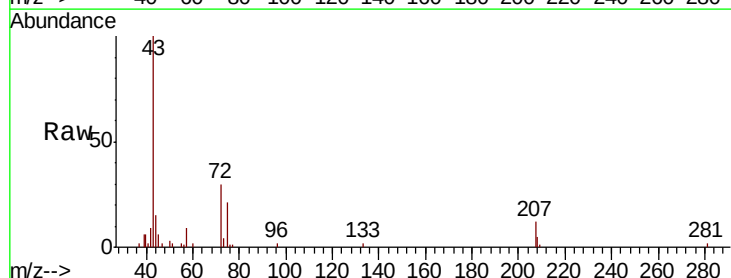
Tgt Ion: 43 Resp: 11866

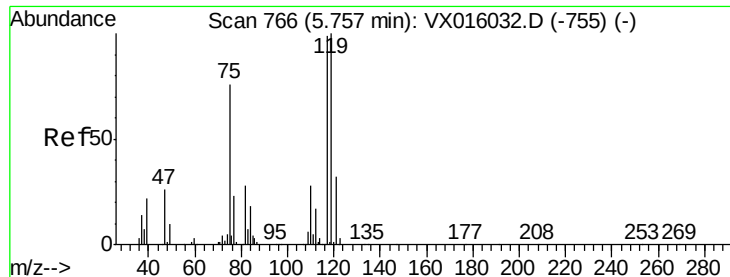
Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.4 9.3 13.9#





#38

Carbon Tetrachloride

Concen: 5.775 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

239997

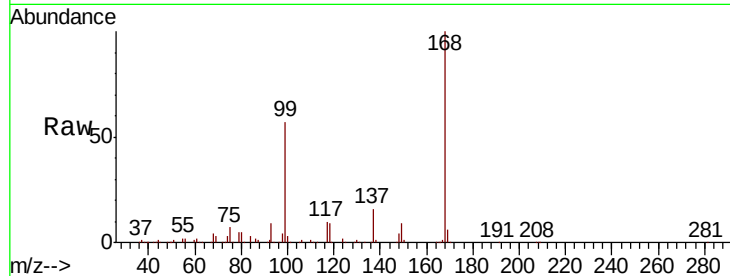
Tot Ion:117 Resp: 26812

Ion Ratio Lower Upper

117 100

119 4.4 80.3 120.5#

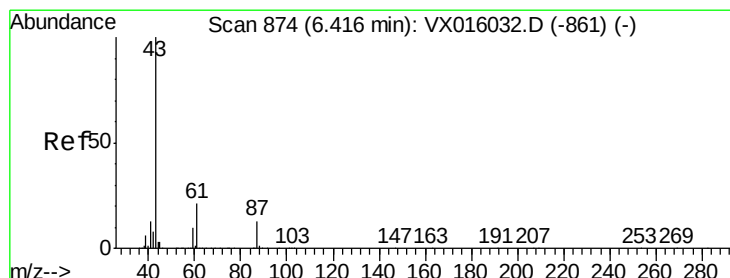
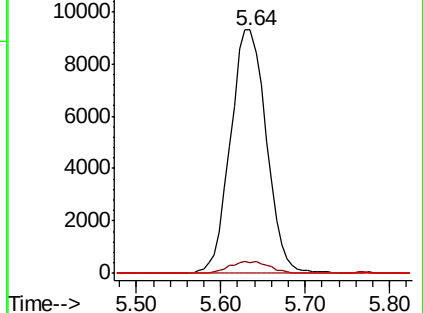
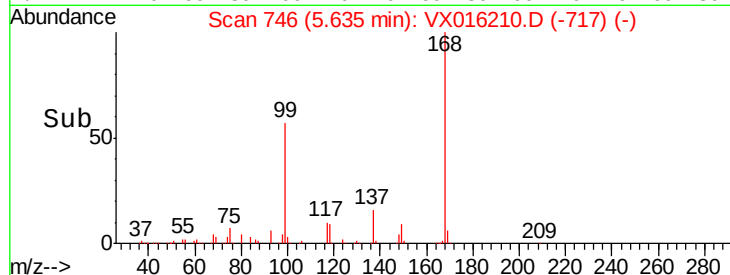
121 0.0 25.7 38.5#



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



#43

Isopropyl Acetate

Concen: 8.218 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

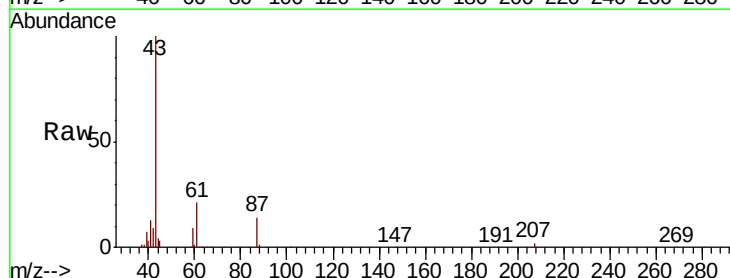
Tgt Ion: 43 Resp: 69415

Ion Ratio Lower Upper

43 100

61 21.8 17.0 25.4

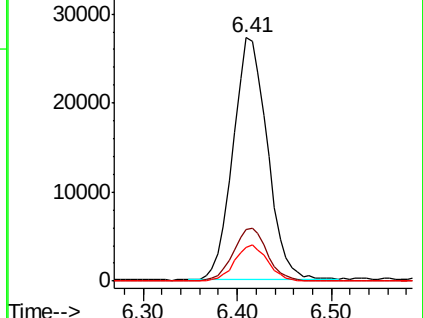
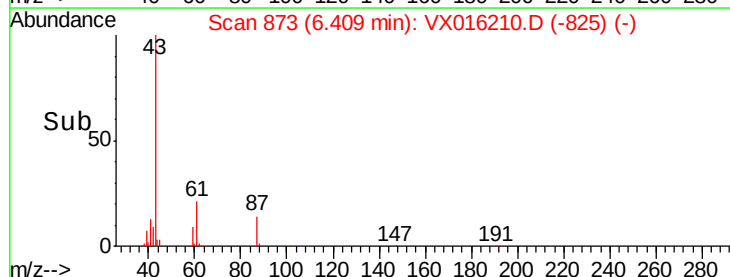
87 14.2 11.0 16.6

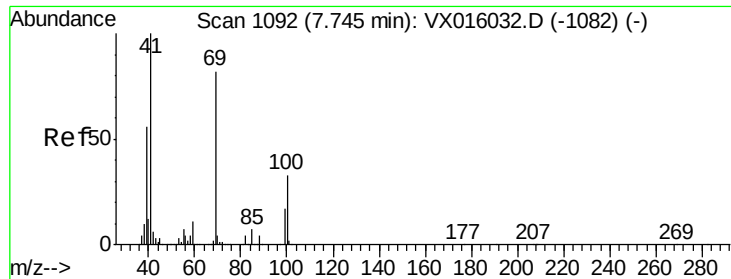


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 1.070 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

Instrument :

MSVOA_X

ClientSampled :

239997

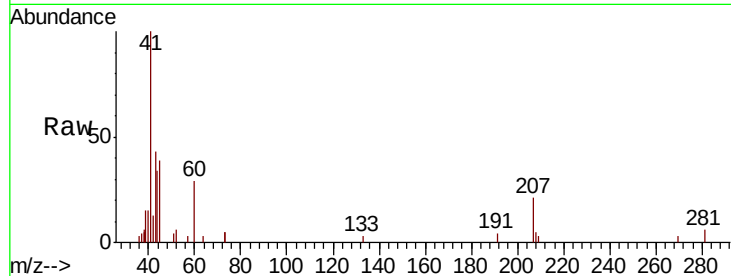
Tot Ion: 41 Resp: 4282

Ion Ratio Lower Upper

41 100

69 0.0 67.8 101.6#

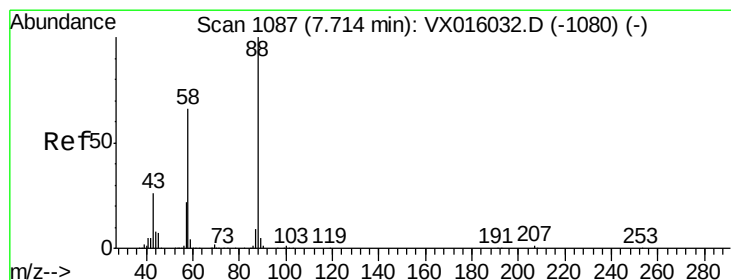
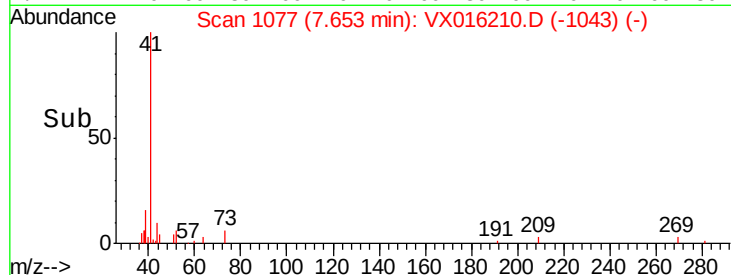
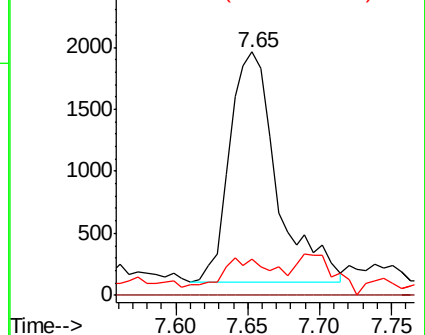
39 0.0 44.6 67.0#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 0.240 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

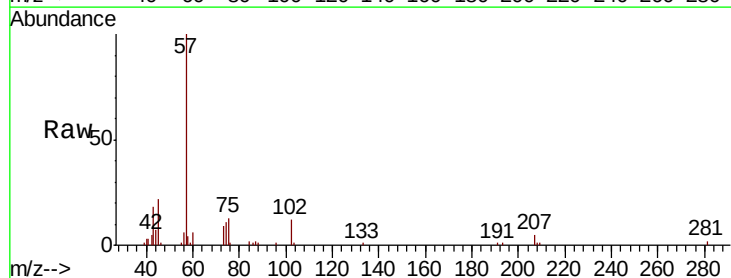
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

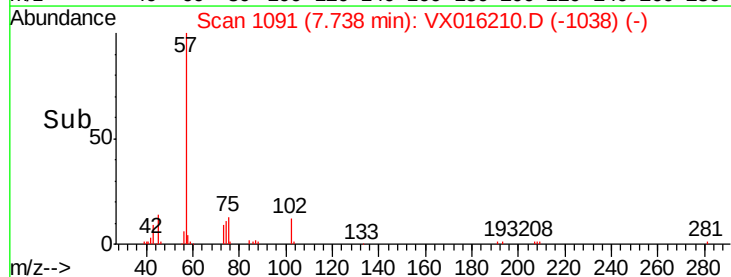
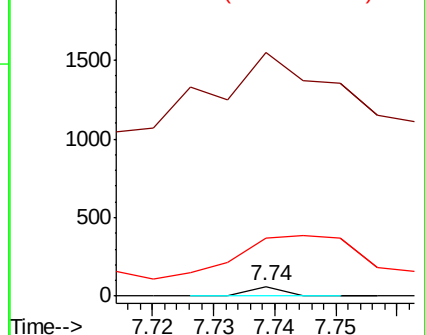
58 3056.5 55.9 83.9#

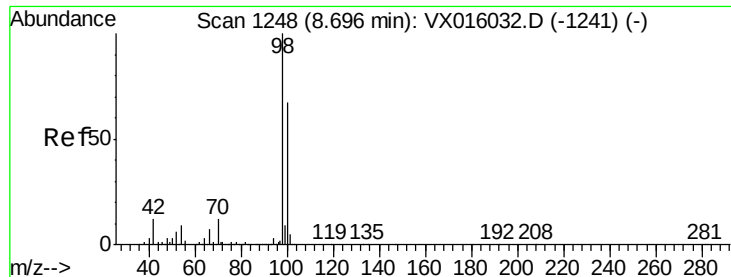


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.331 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

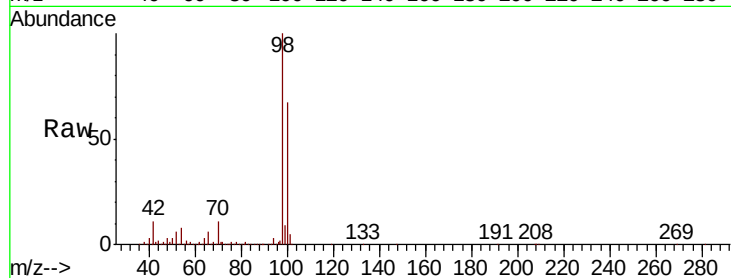
239997

Tot Ion: 98 Resp: 581396

Ion Ratio Lower Upper

98 100

100 67.0 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

400000

300000

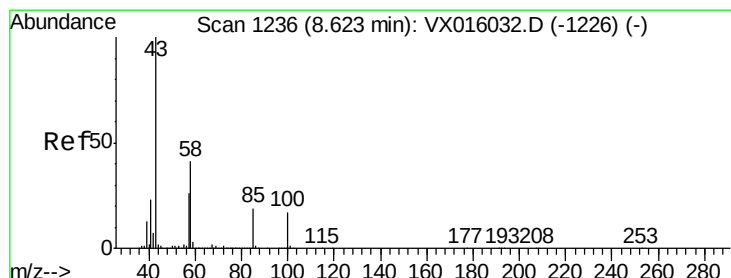
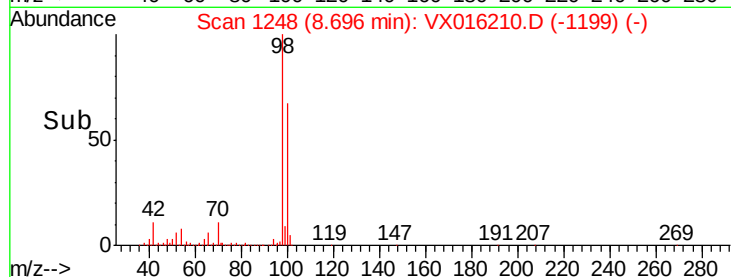
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 12.957 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016210.D

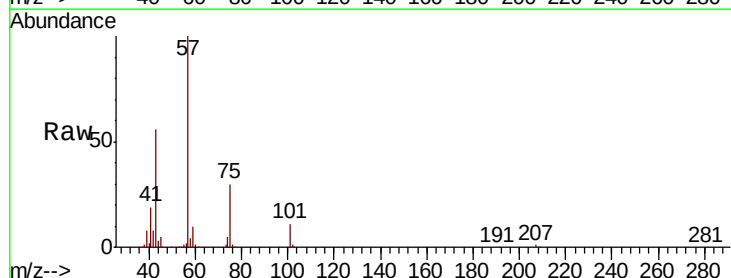
Acq: 14 May 2020 03:55

Tgt Ion: 43 Resp: 66970

Ion Ratio Lower Upper

43 100

58 6.8 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.59

40000

30000

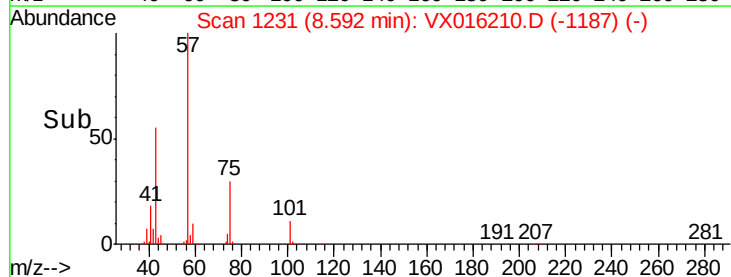
20000

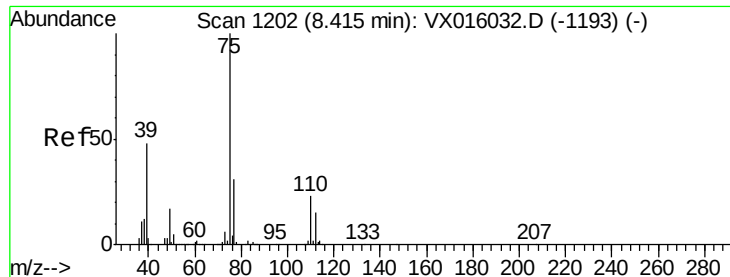
10000

0

8.50 8.55 8.60 8.65 8.70

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.451 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

Instrument :

MSVOA_X

ClientSampled :

239997

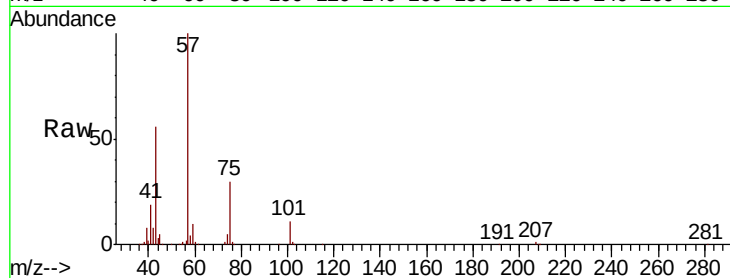
Tot Ion: 75 Resp: 31770

Ion Ratio Lower Upper

75 100

77 0.8 24.7 37.1#

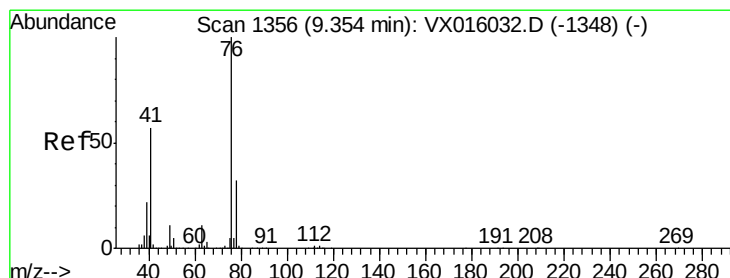
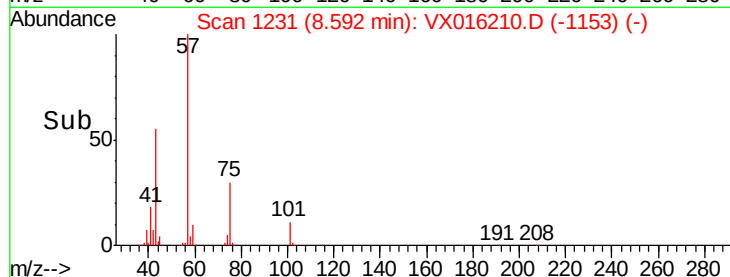
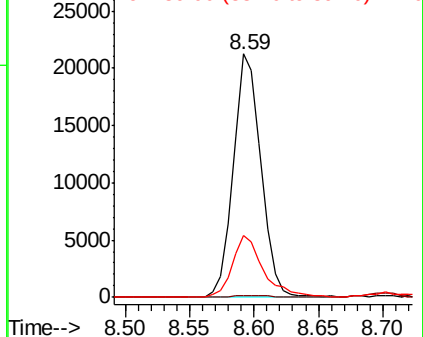
39 25.4 38.7 58.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropene

Concen: 0.833 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016210.D

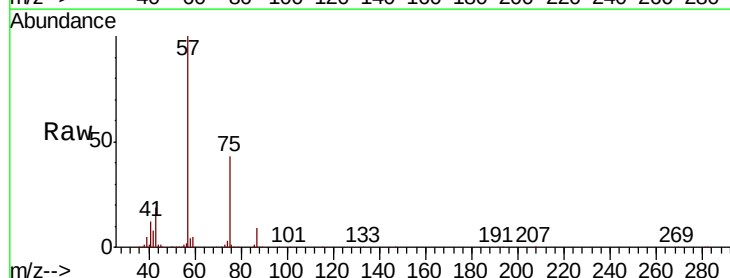
Acq: 14 May 2020 03:55

Tgt Ion: 76 Resp: 4762

Ion Ratio Lower Upper

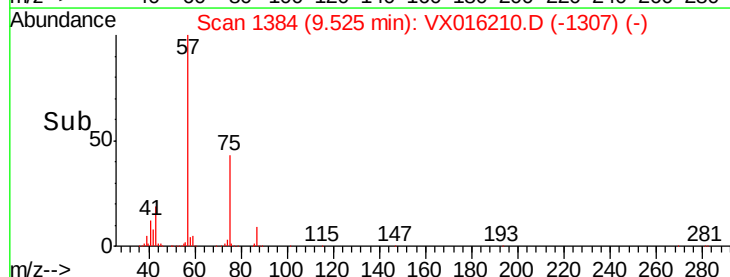
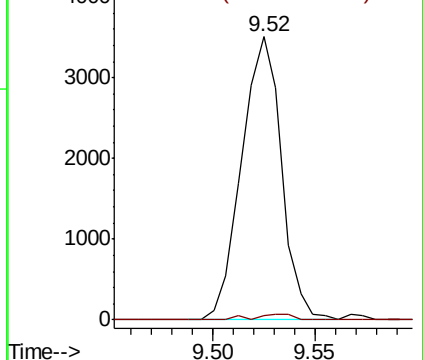
76 100

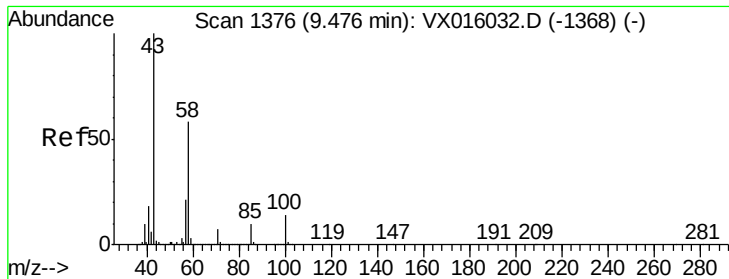
78 1.9 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

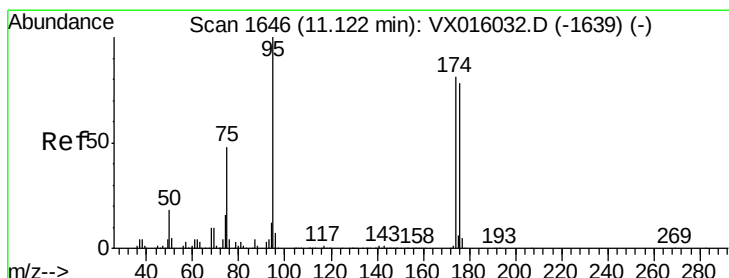
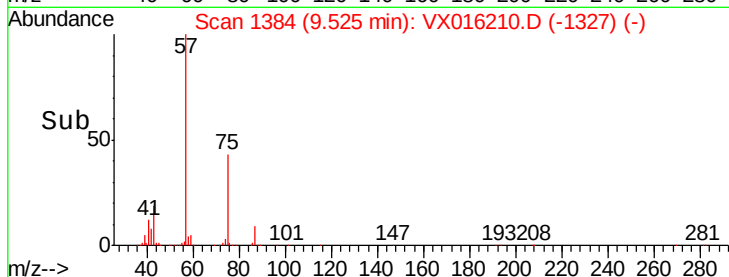
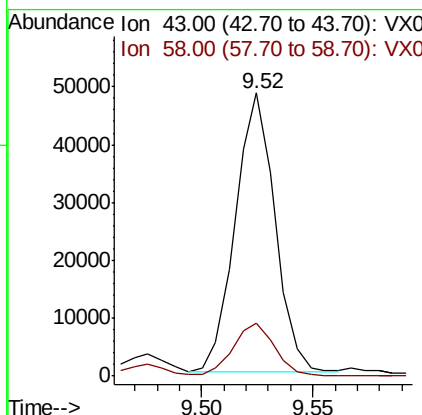
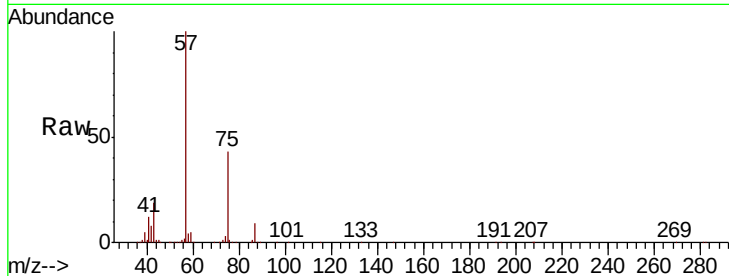




#59
2-Hexanone
Concen: 14.718 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX016210.D
Acq: 14 May 2020 03:55

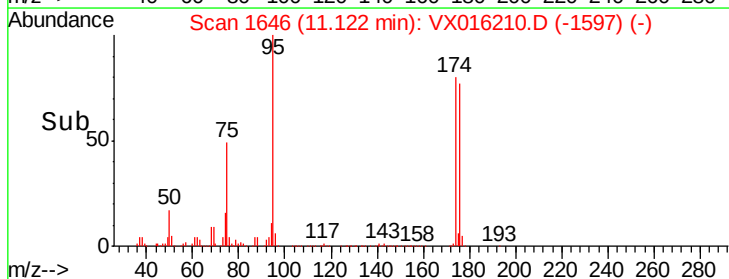
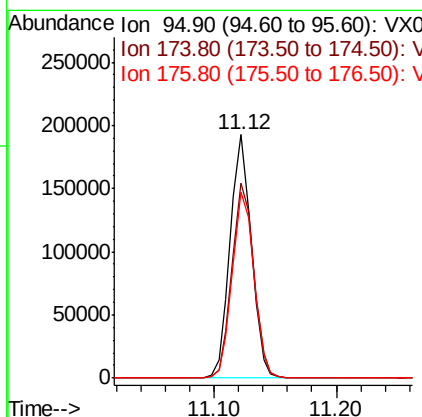
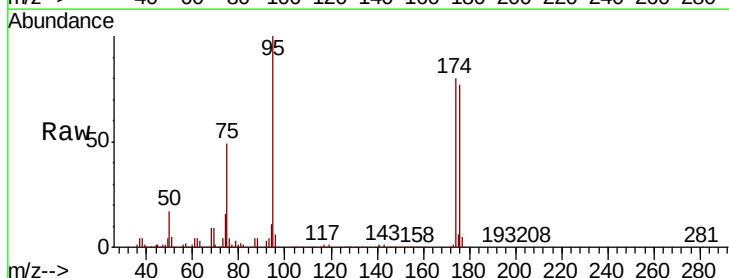
Instrument :
MSVOA_X
ClientSampled :
239997

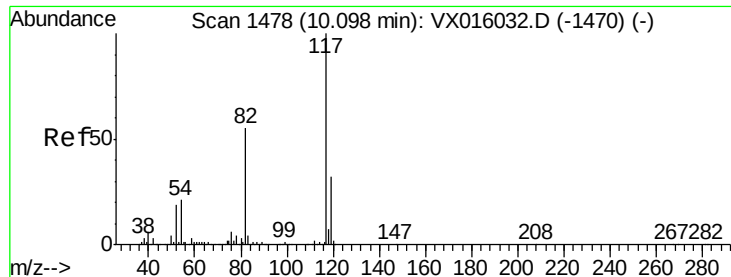
Tot Ion: 43 Resp: 59742
Ion Ratio Lower Upper
43 100
58 20.6 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 53.305 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016210.D
Acq: 14 May 2020 03:55

Tgt Ion: 95 Resp: 229642
Ion Ratio Lower Upper
95 100
174 82.5 0.0 159.4
176 78.7 0.0 157.6

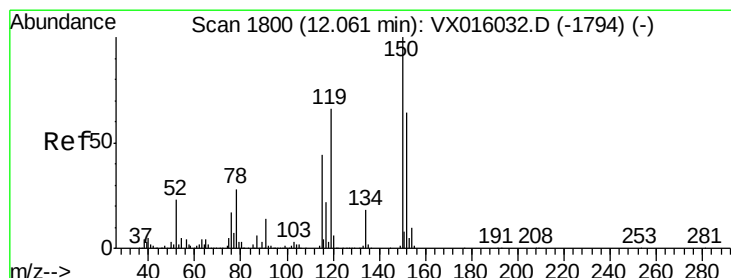
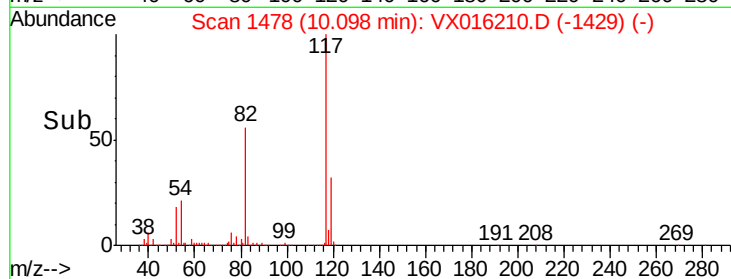
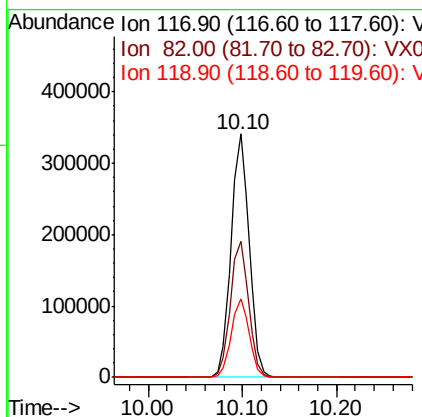
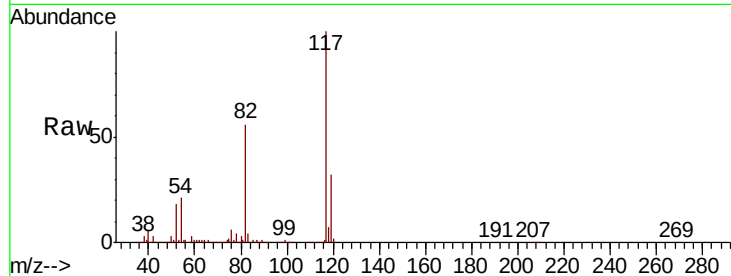




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016210.D
Acq: 14 May 2020 03:55

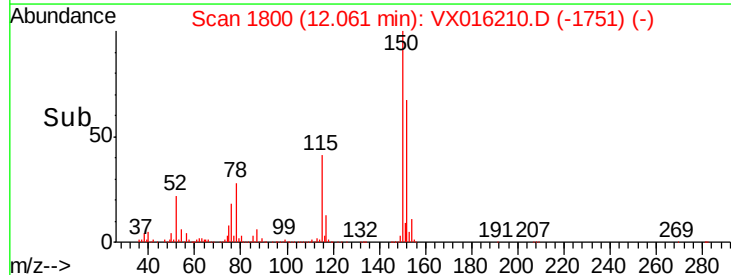
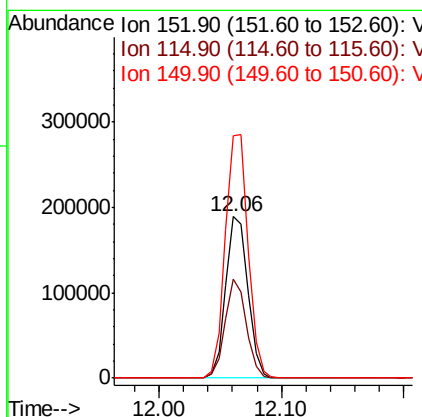
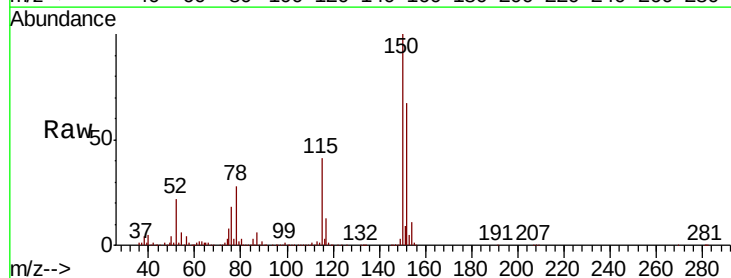
Instrument :
MSVOA_X
ClientSampled :
239997

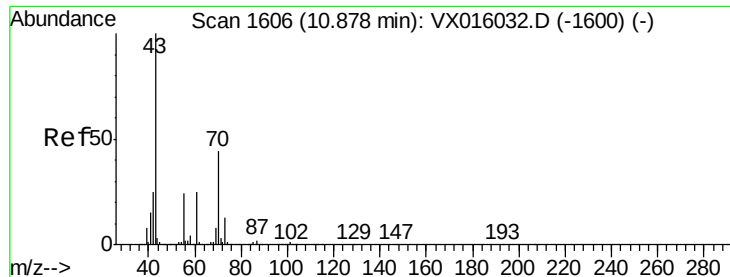
Tot Ion:117 Resp: 456869
Ion Ratio Lower Upper
117 100
82 56.1 44.4 66.6
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016210.D
Acq: 14 May 2020 03:55

Tgt Ion:152 Resp: 236665
Ion Ratio Lower Upper
152 100
115 58.6 41.3 124.1
150 155.2 0.0 352.2





#74

N-amvl acetate

Concen: 0.695 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

239997

Tot Ion: 43 Resp: 5582

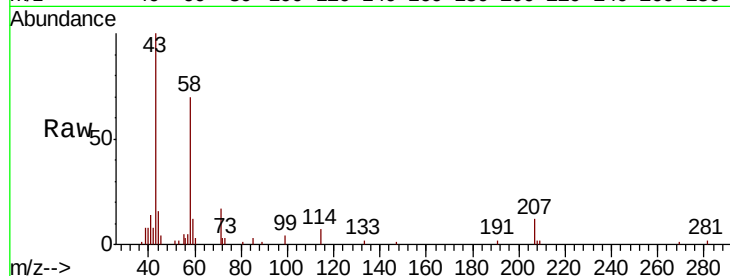
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 9.0 19.7 29.5#

61 0.0 20.9 31.3#

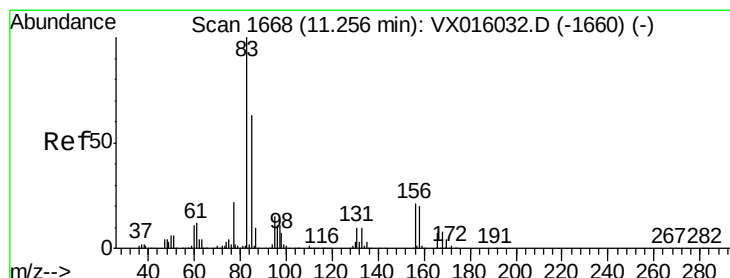
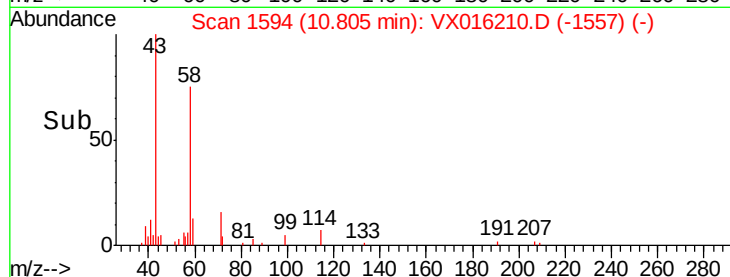
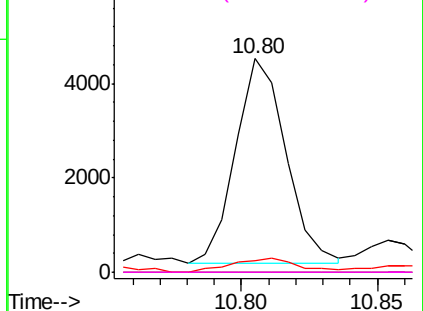


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.081 ug/l

RT: 11.32 min Scan# 1678

Delta R.T. 0.06 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

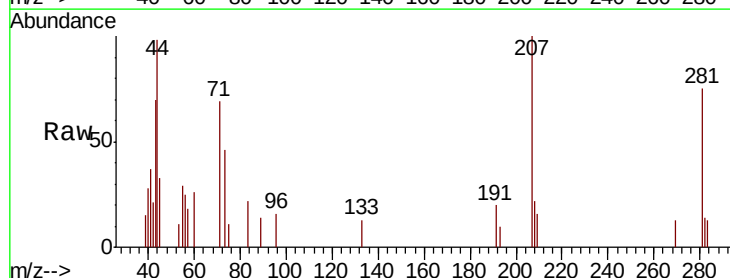
Tgt Ion: 83 Resp: 104

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

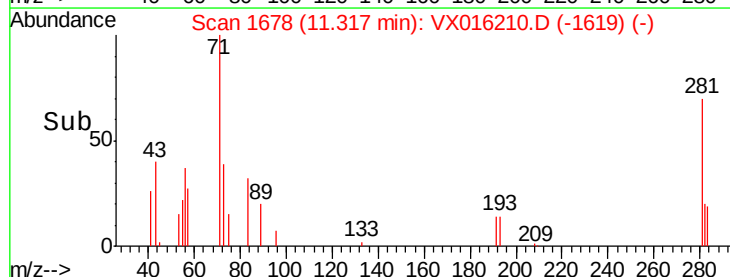
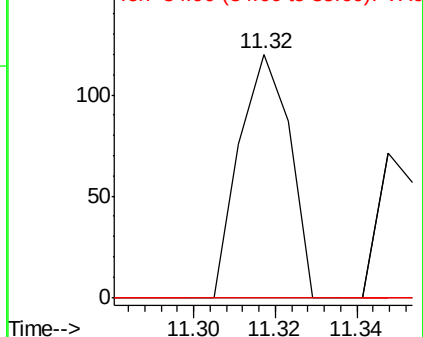
85 0.0 32.0 96.0#

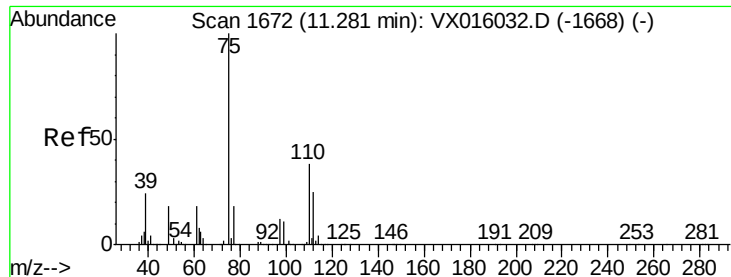


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.061 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

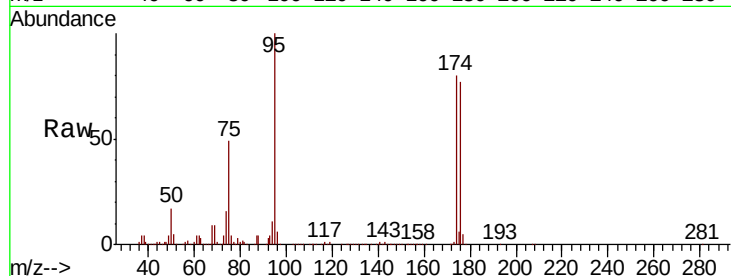
239997

Tot Ion: 75 Resp: 113106

Ion Ratio Lower Upper

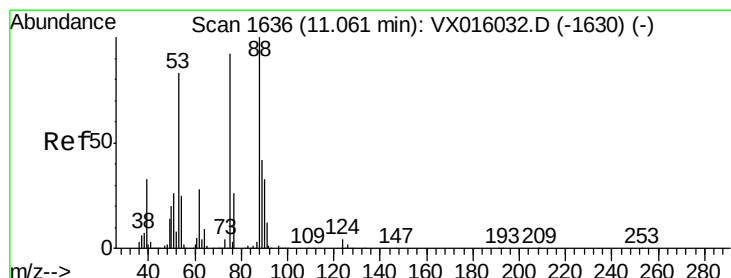
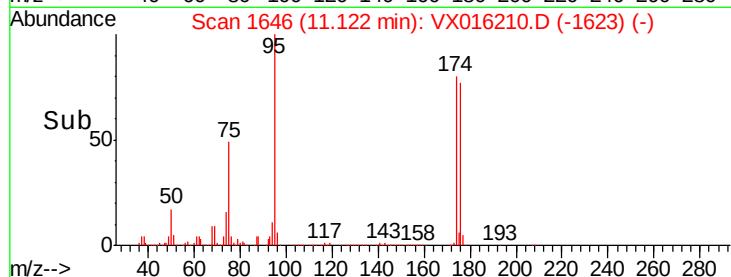
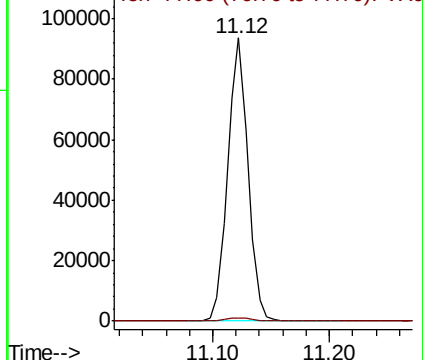
75 100

77 1.3 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: 50.189 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

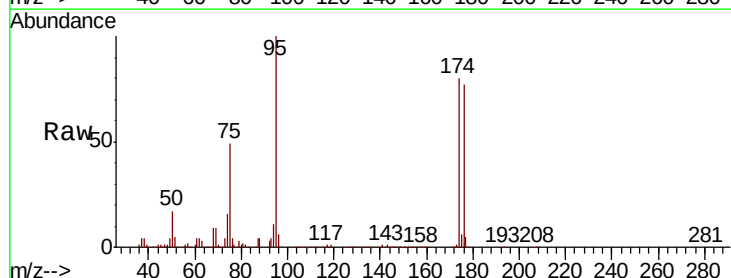
Tgt Ion: 75 Resp: 113106

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

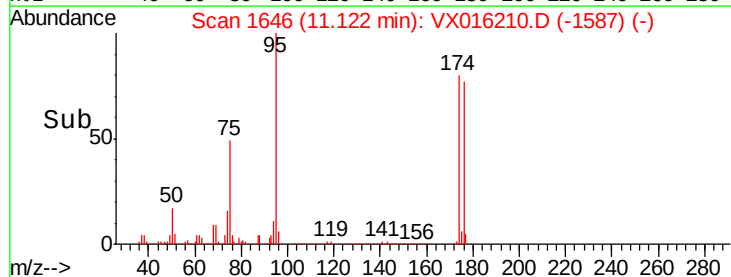
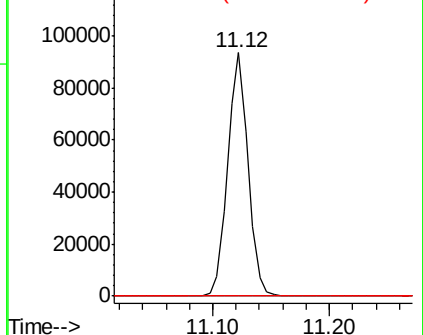
89 0.0 36.7 55.1#

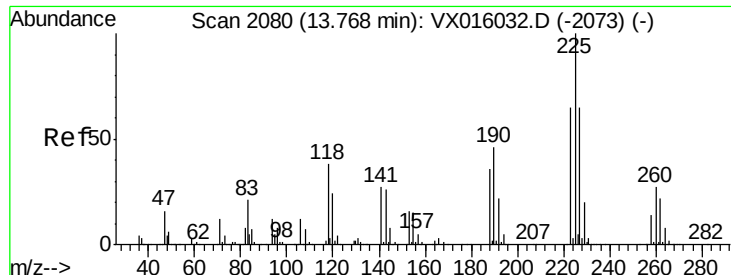


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.532 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016210.D

Acq: 14 May 2020 03:55

Instrument :

MSVOA_X

ClientSampleId :

239997

Tot Ion:225 Resp: 22

Ion Ratio Lower Upper

225 100

223 177.3 32.3 96.9#

227 0.0 31.8 95.4#

