

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052920\
 Data File : VX016510.D
 Acq On : 29 May 2020 14:54
 Operator : JC/SP
 Sample : L2797-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TEST-HOLE-5-COMP

Quant Time: May 30 01:42:51 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	300218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	490242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	478302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	239799	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	178727	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	5.47	113	144931	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	8.70	98	602292	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.12	95	246110	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	

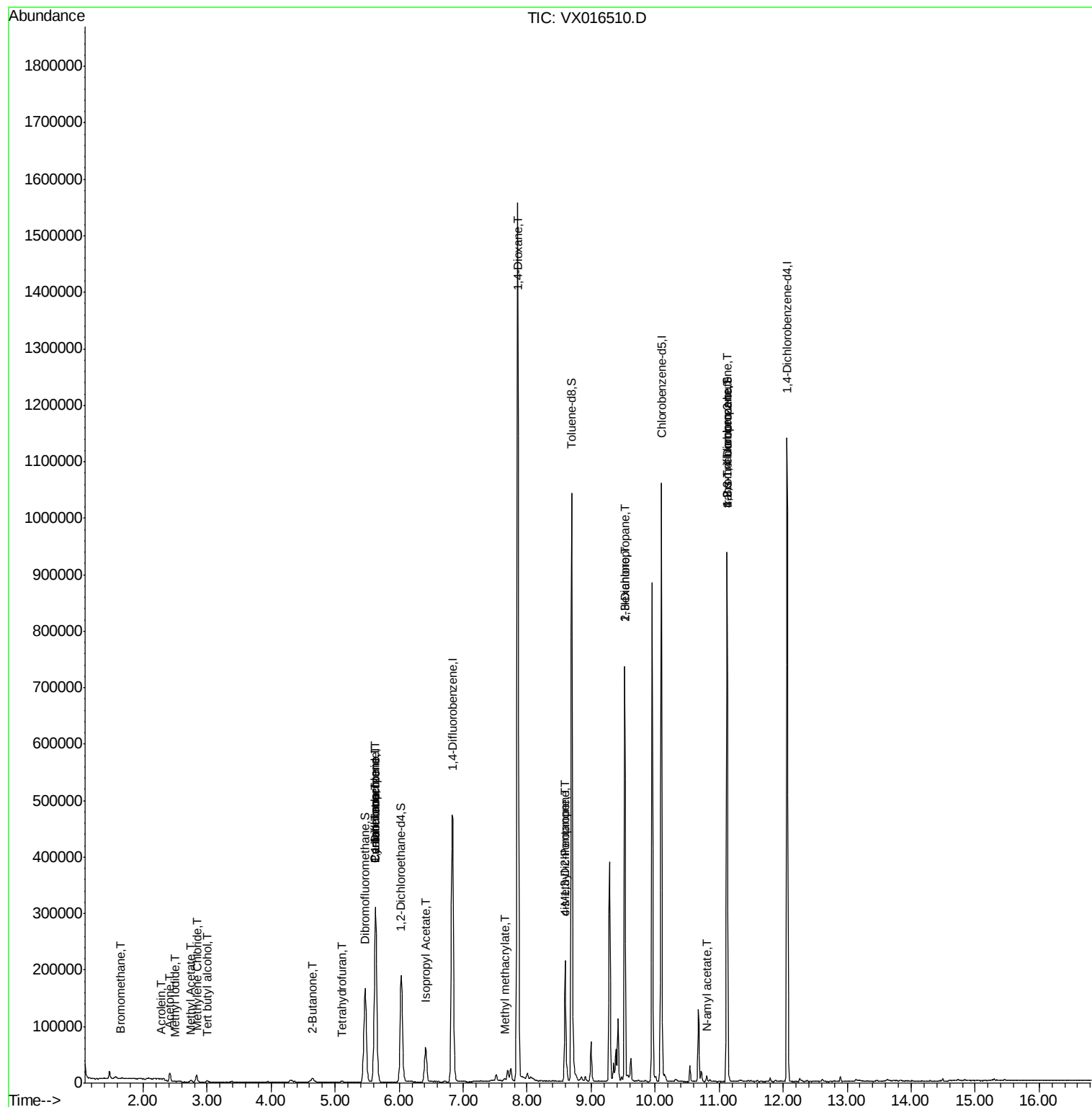
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	446	0.243	ug/l #	45
10) Methyl Iodide	2.50	142	101	3.084	ug/l #	62
11) Tert butyl alcohol	3.00	59	2396	2.506	ug/l	98
13) Acrolein	2.28	56	449	1.104	ug/l	98
16) Acetone	2.42	43	15457	9.463	ug/l #	85
18) Methyl Acetate	2.75	43	3925	0.937	ug/l	93
20) Methylene Chloride	2.84	84	5402	1.598	ug/l	97
25) 2-Butanone	4.64	43	11999	4.335	ug/l	97
29) Tetrahydrofuran	5.10	42	928	0.519	ug/l #	83
31) Cyclohexane	5.62	56	5380	1.038	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	21740	4.684	ug/l #	51
38) Carbon Tetrachloride	5.63	117	29174	5.981	ug/l #	16
43) Isopropyl Acetate	6.42	43	85333	9.817	ug/l	99
48) Methyl methacrylate	7.65	41	4846	1.164	ug/l #	14
49) 1,4-Dioxane	7.85	88	304	3.121	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	75139	13.883	ug/l #	45
54) cis-1,3-Dichloropropene	8.59	75	36523	6.201	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	6365	1.070	ug/l #	43
59) 2-Hexanone	9.52	43	78748	18.709	ug/l #	50
74) N-amyl acetate	10.81	43	4755	0.622	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	119974	22.762	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	119974	55.990	ug/l #	14

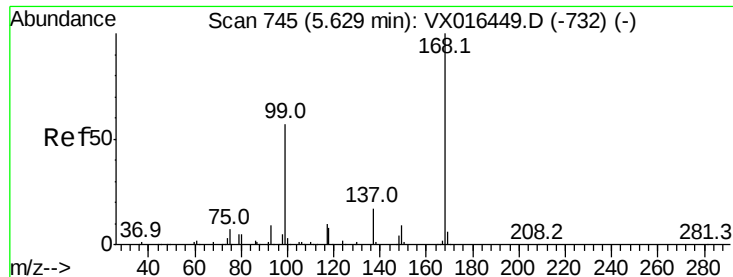
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052920\
Data File : VX016510.D
Acq On : 29 May 2020 14:54
Operator : JC/SP
Sample : L2797-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TEST-HOLE-5-COMP

Quant Time: May 30 01:42:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
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: VX016510.D

Acq: 29 May 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

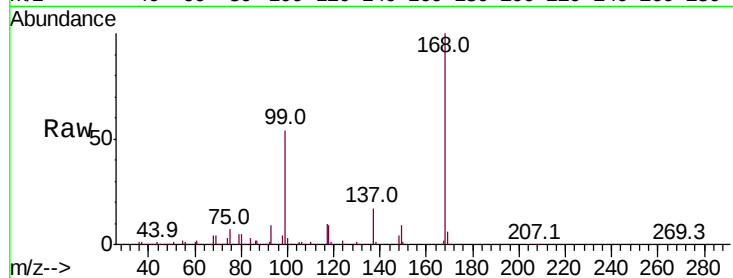
TEST-HOLE-5-COMP

Tot Ion:168 Resp: 300218

Ion Ratio Lower Upper

168 100

99 54.0 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

120000

100000

80000

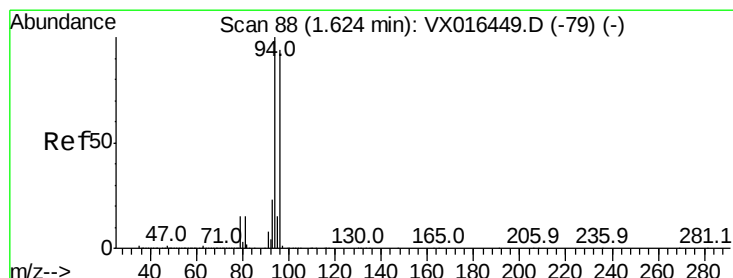
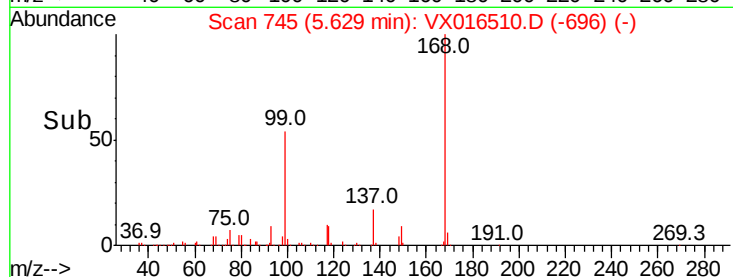
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: 0.243 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016510.D

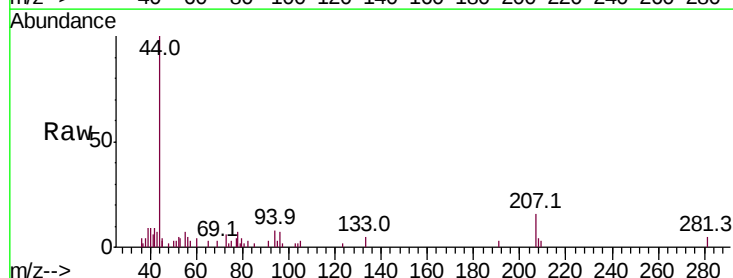
Acq: 29 May 2020 14:54

Tgt Ion: 94 Resp: 446

Ion Ratio Lower Upper

94 100

96 40.7 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

250

200

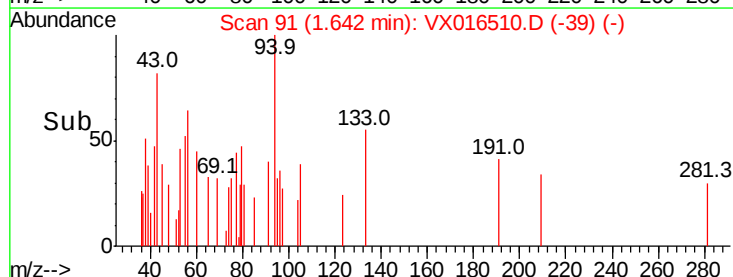
150

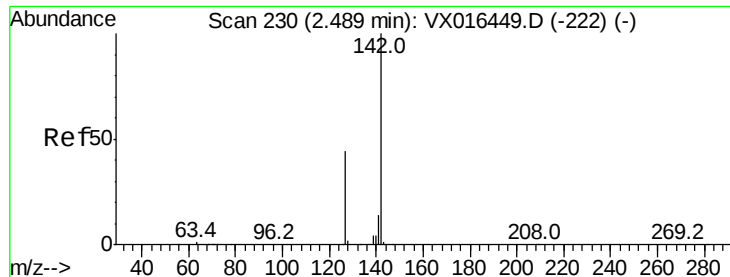
100

50

0

Time--> 1.60 1.65 1.70

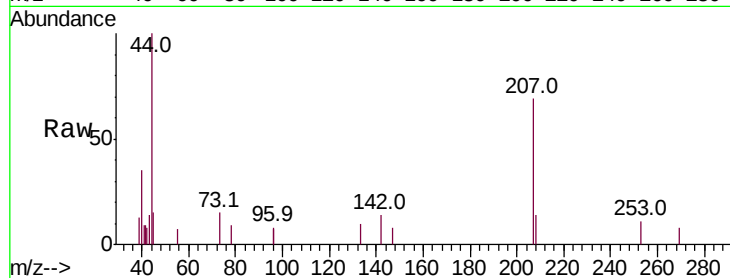




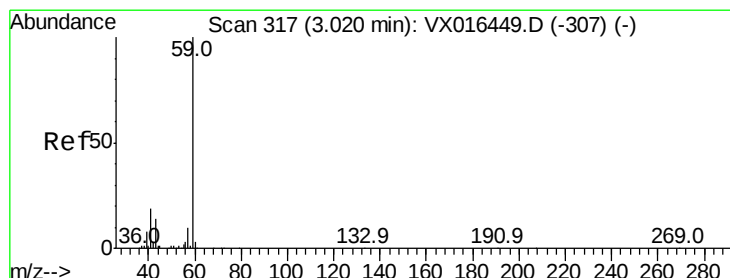
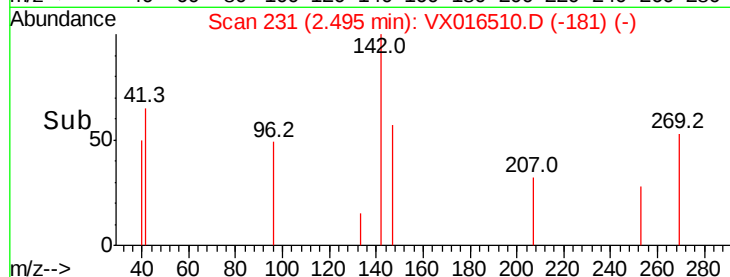
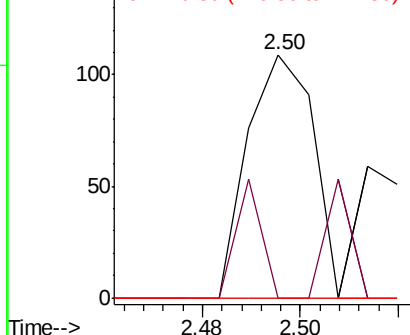
#10
Methyl Iodide
Concen: 3.084 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016510.D
Acq: 29 May 2020 14:54

Instrument :
MSVOA_X
ClientSampleId :
TEST-HOLE-5-COMP

Tot Ion:142 Resp: 101
Ion Ratio Lower Upper
142 100
127 18.8 35.3 52.9#
141 0.0 11.4 17.2#

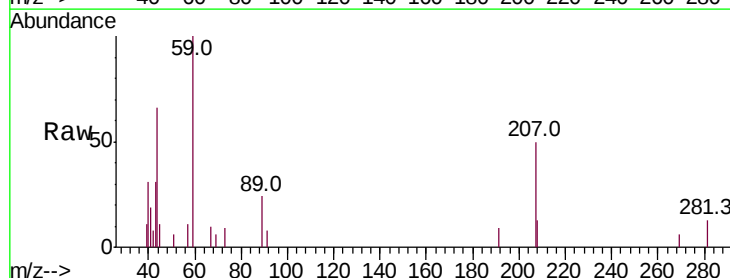


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

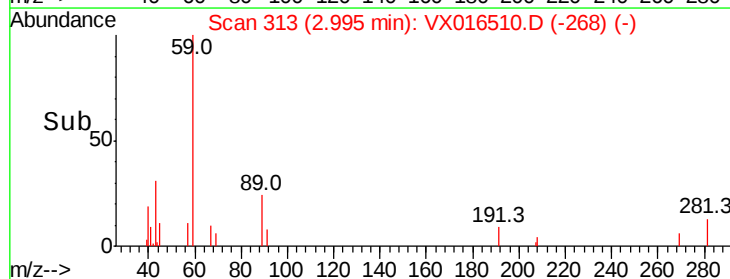
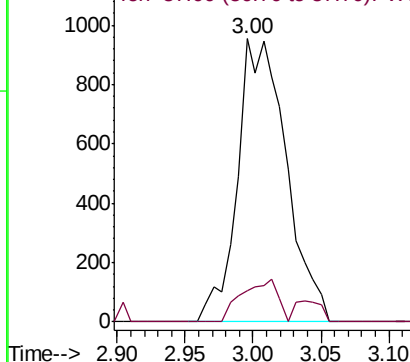


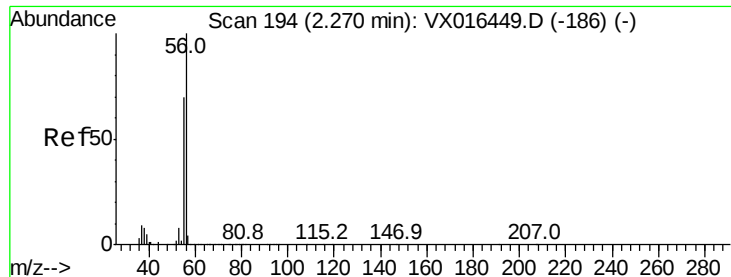
#11
Tert butyl alcohol
Concen: 2.506 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX016510.D
Acq: 29 May 2020 14:54

Tgt Ion: 59 Resp: 2396
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.104 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

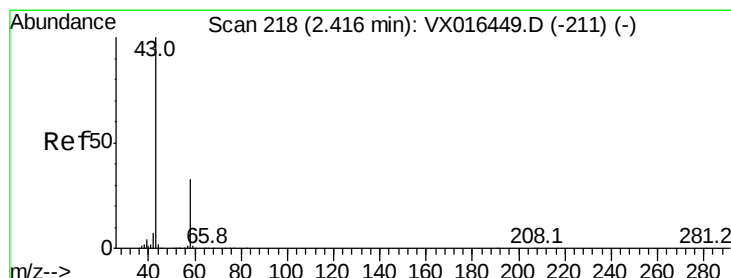
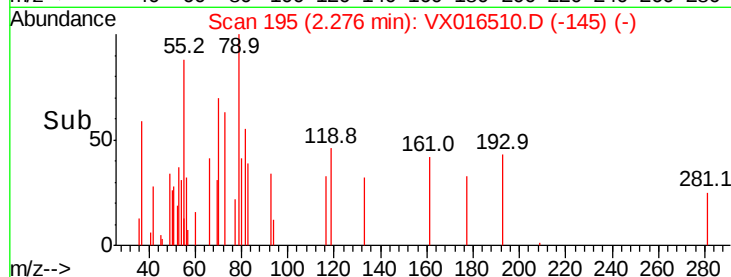
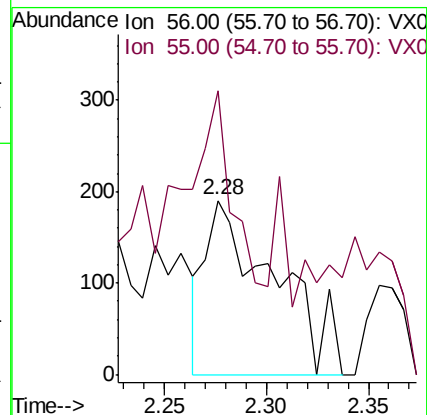
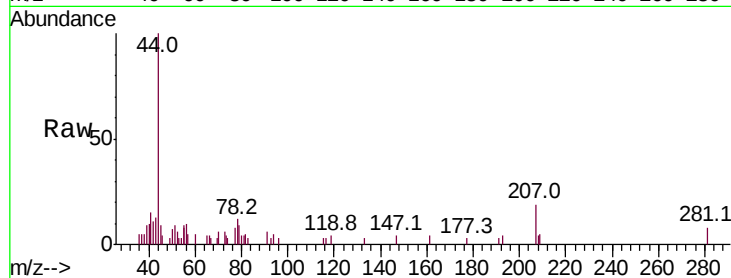
TEST-HOLE-5-COMP

Tot Ion: 56 Resp: 449

Ion Ratio Lower Upper

56 100

55 70.8 58.3 87.5



#16

Acetone

Concen: 9.463 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016510.D

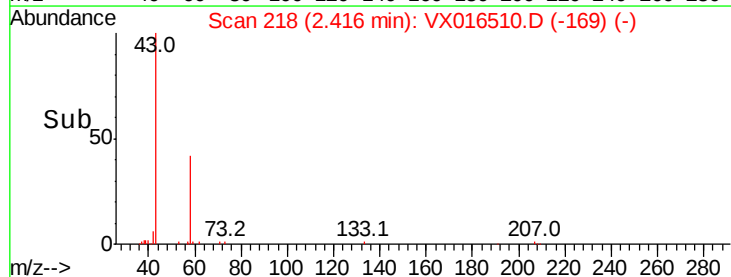
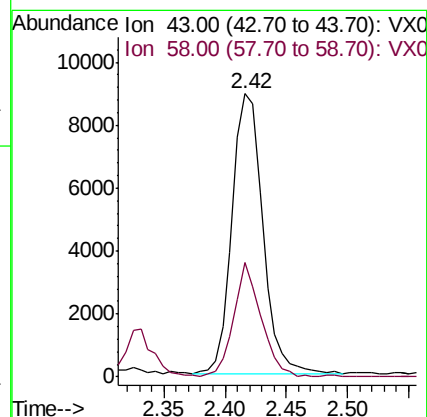
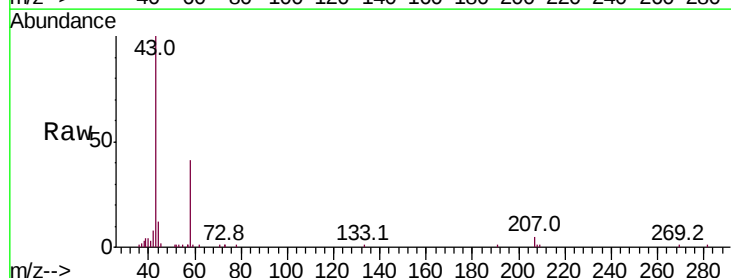
Acq: 29 May 2020 14:54

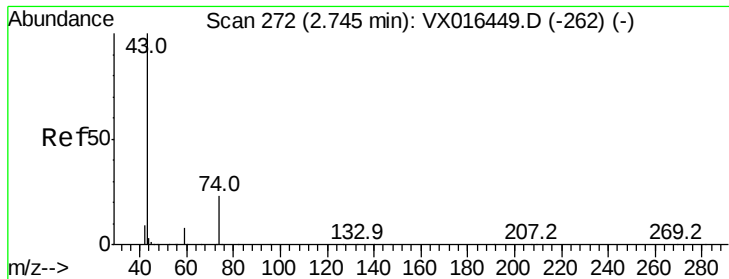
Tgt Ion: 43 Resp: 15457

Ion Ratio Lower Upper

43 100

58 41.1 26.1 39.1#

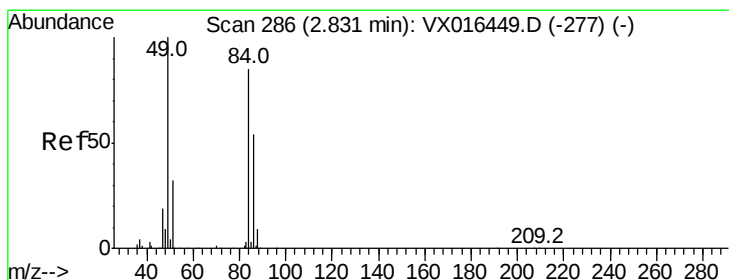
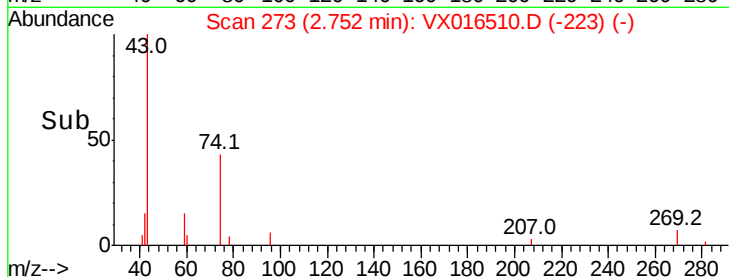
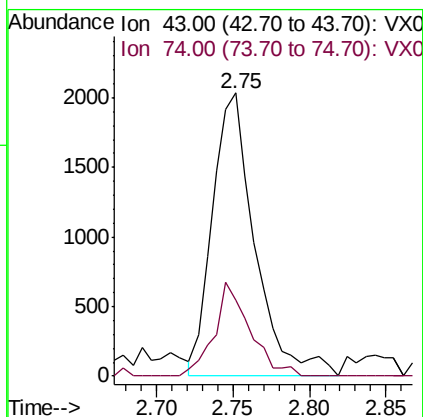
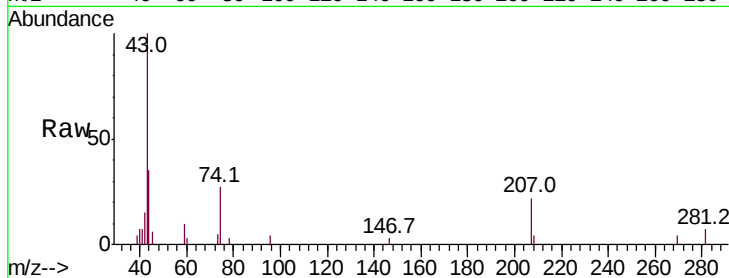




#18
Methyl Acetate
Concen: 0.937 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX016510.D
Acq: 29 May 2020 14:54

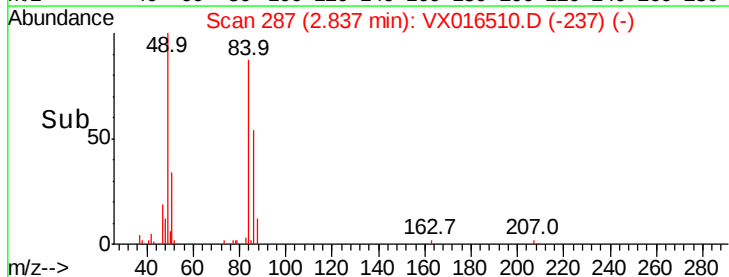
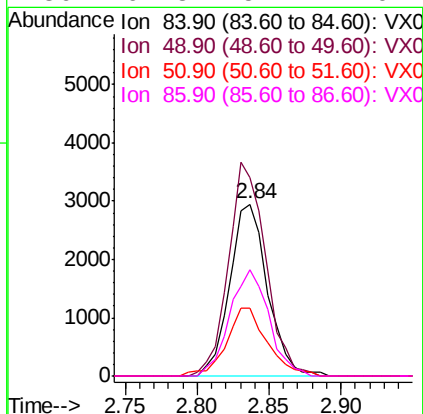
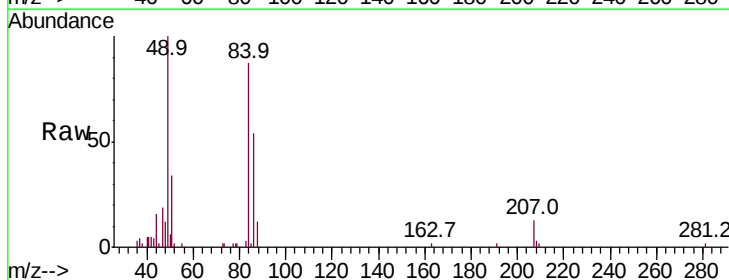
Instrument :
MSVOA_X
ClientSampleId :
TEST-HOLE-5-COMP

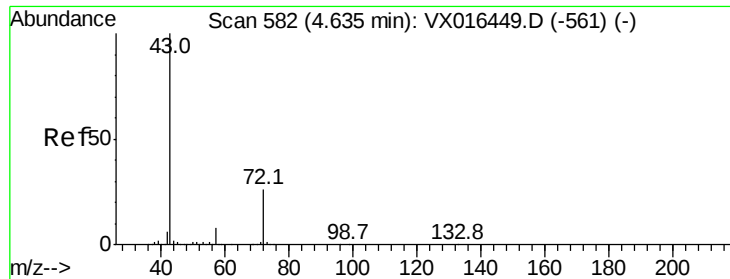
Tot Ion: 43 Resp: 3925
Ion Ratio Lower Upper
43 100
74 27.8 19.7 29.5



#20
Methylene Chloride
Concen: 1.598 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016510.D
Acq: 29 May 2020 14:54

Tgt Ion: 84 Resp: 5402
Ion Ratio Lower Upper
84 100
49 115.5 94.5 141.7
51 39.7 30.2 45.4
86 61.8 51.1 76.7

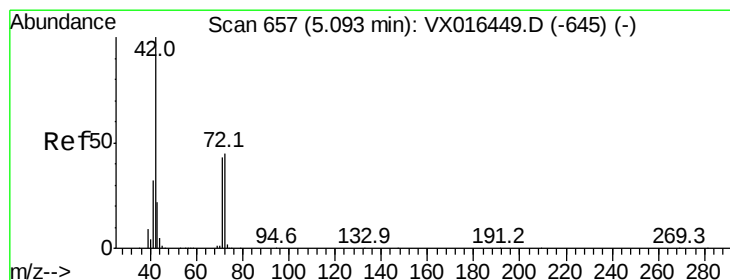
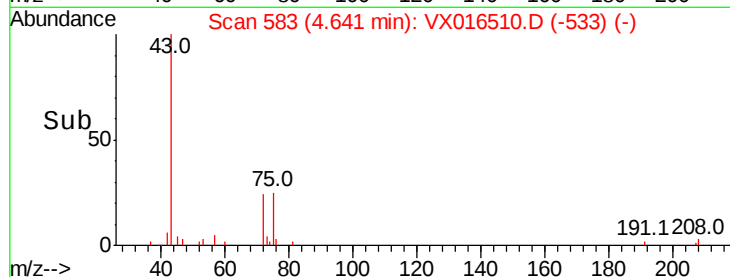
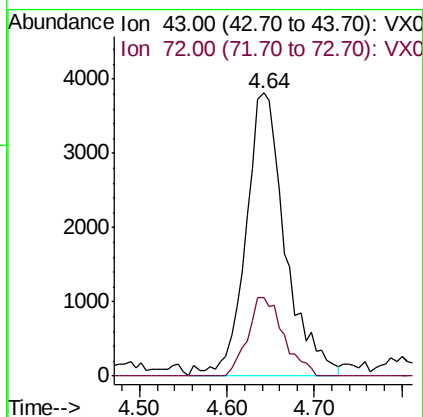
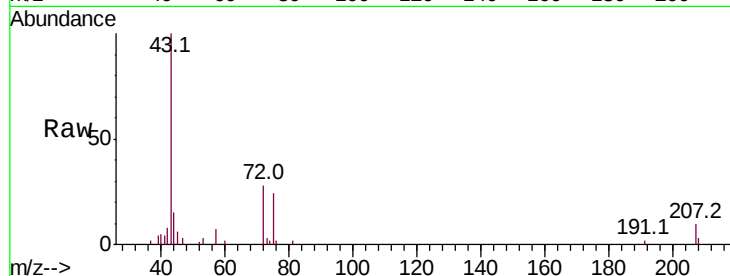




#25
2-Butanone
Concen: 4.335 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016510.D
Acq: 29 May 2020 14:54

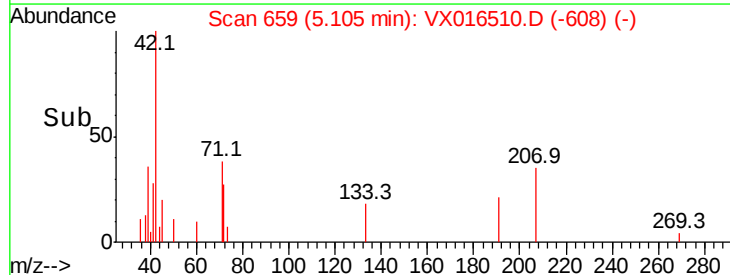
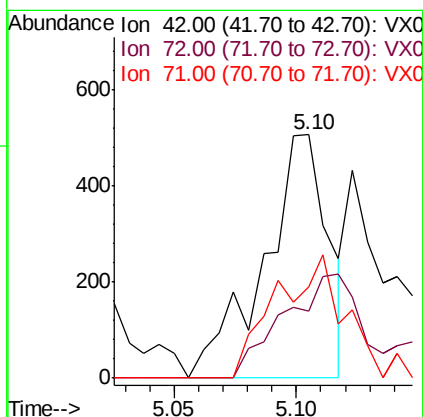
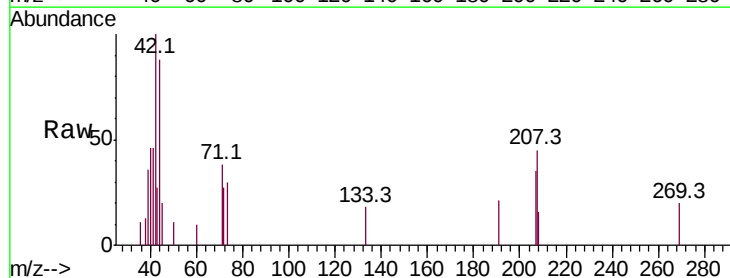
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TEST-HOLE-5-COMP

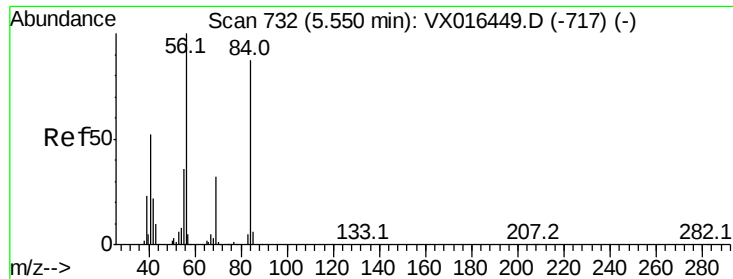
Tot Ion: 43 Resp: 11999
Ion Ratio Lower Upper
43 100
72 27.6 21.0 31.6



#29
Tetrahydrofuran
Concen: 0.519 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX016510.D
Acq: 29 May 2020 14:54

Tgt Ion: 42 Resp: 928
Ion Ratio Lower Upper
42 100
72 56.1 37.0 55.4#
71 55.4 34.1 51.1#

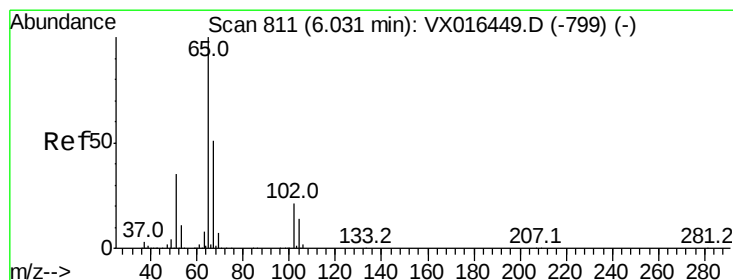
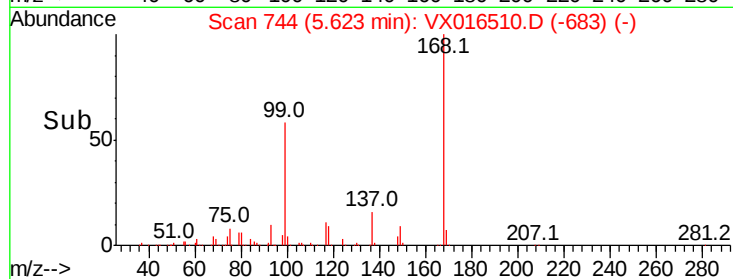
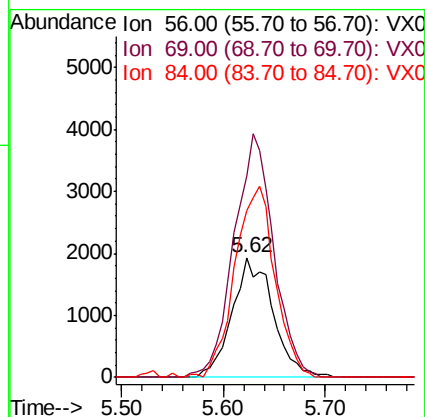
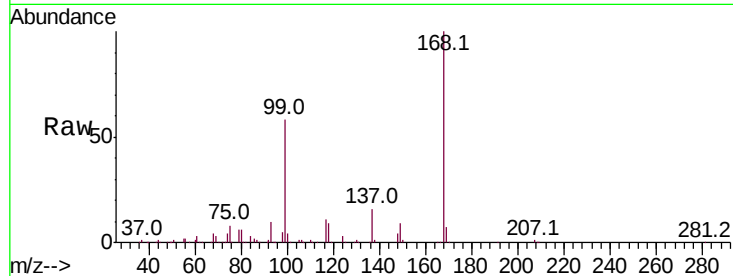




#31
Cyclohexane
Concen: 1.038 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016510.D
Acq: 29 May 2020 14:54

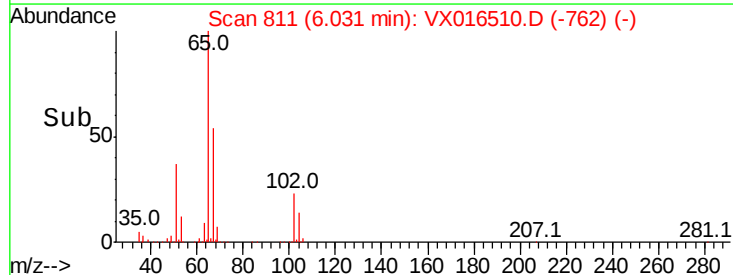
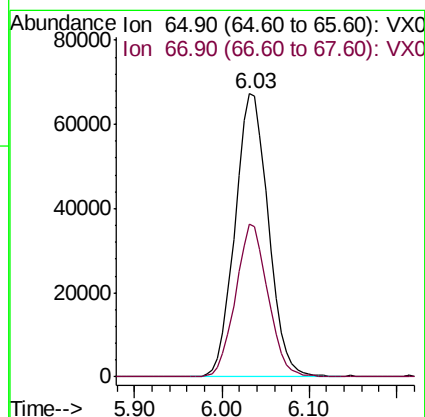
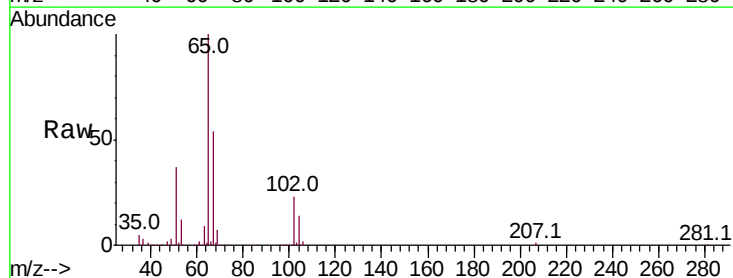
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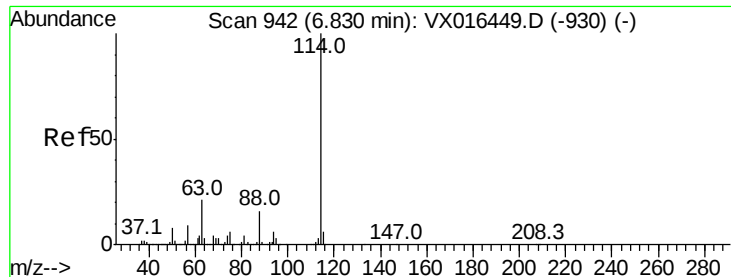
Tot Ion: 56 Resp: 5380
Ion Ratio Lower Upper
56 100
69 169.0 25.7 38.5#
84 140.1 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.938 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016510.D
Acq: 29 May 2020 14:54

Tgt Ion: 65 Resp: 178727
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

TEST-HOLE-5-COMP

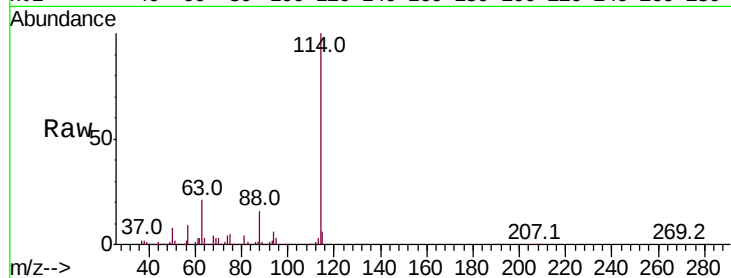
Tot Ion:114 Resp: 490242

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

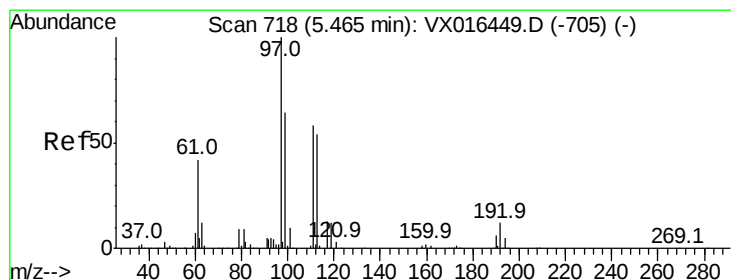
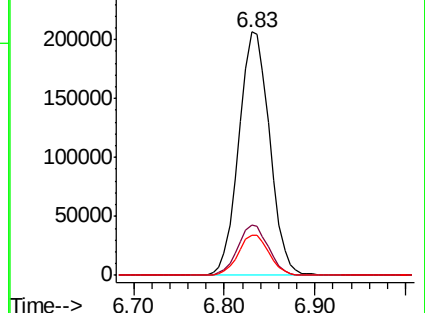
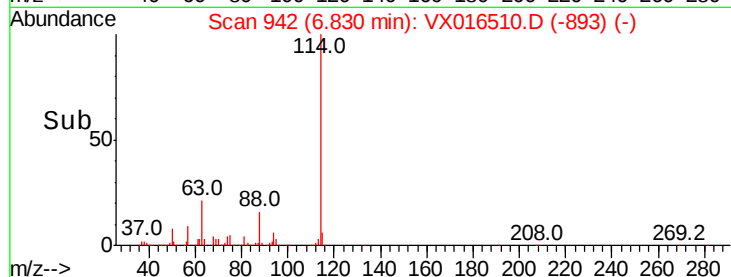
88 16.4 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.012 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

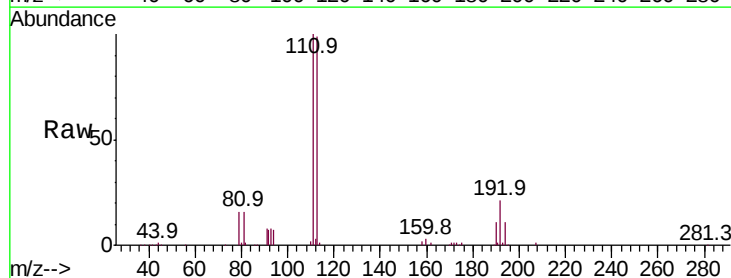
Tgt Ion:113 Resp: 144931

Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.6

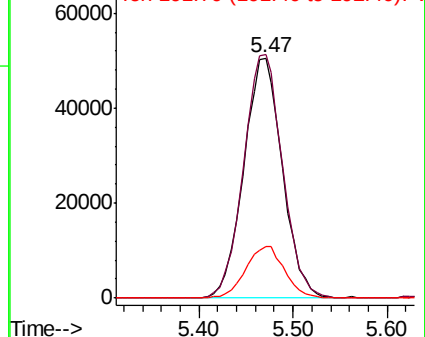
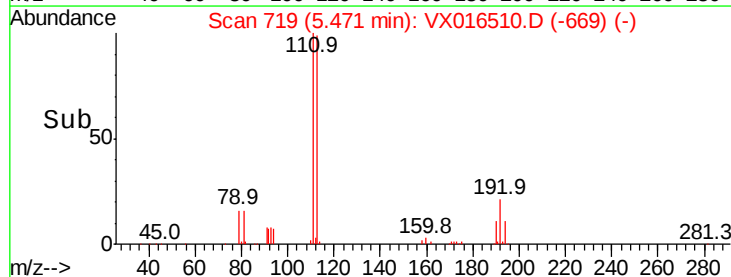
192 21.9 17.7 26.5

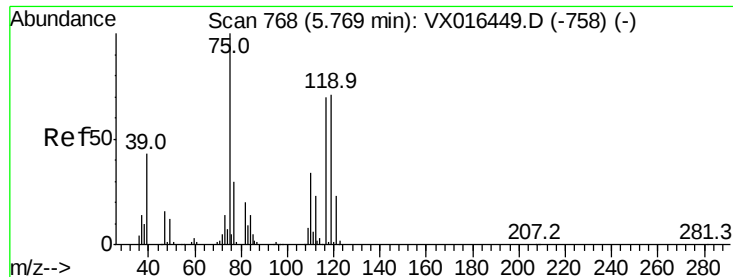


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.684 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

TEST-HOLE-5-COMP

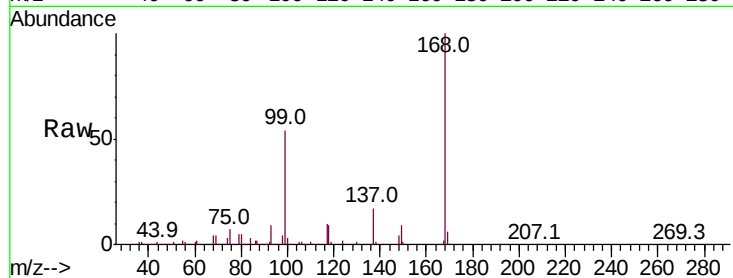
Tot Ion: 75 Resp: 21740

Ion Ratio Lower Upper

75 100

110 9.9 17.4 52.3#

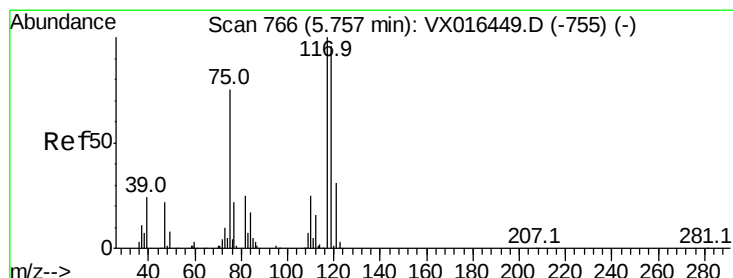
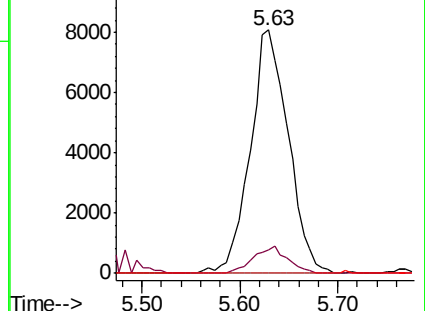
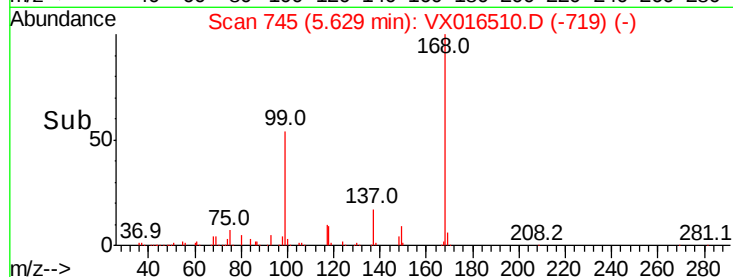
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.981 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

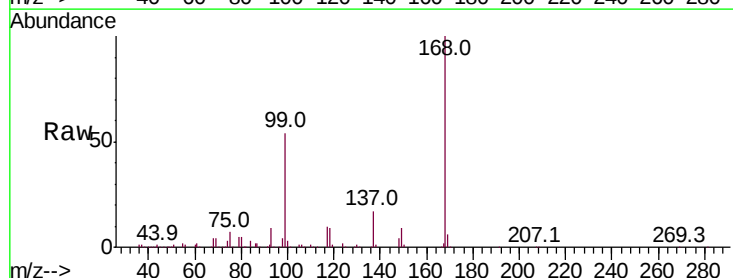
Tgt Ion: 117 Resp: 29174

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

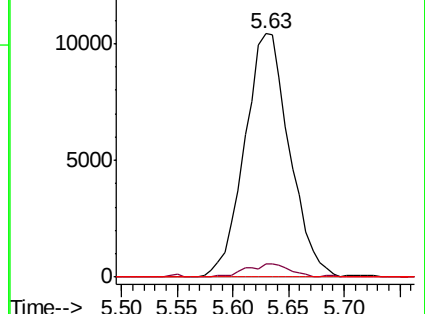
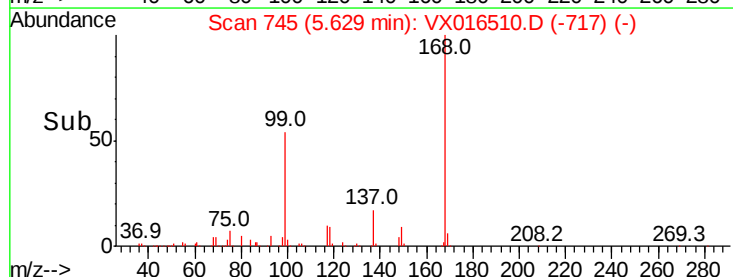
121 0.0 24.6 37.0#

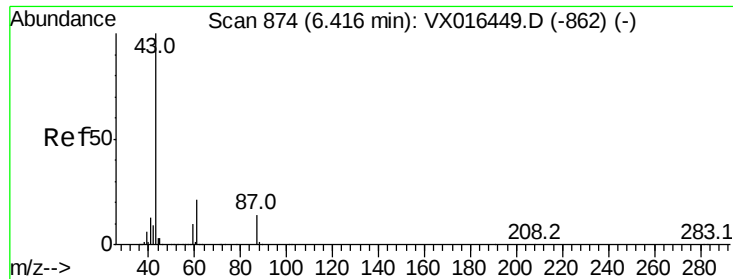


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



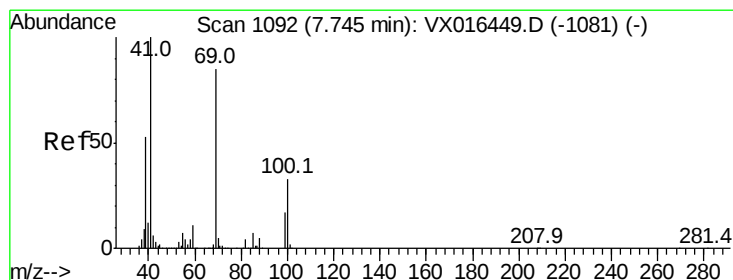
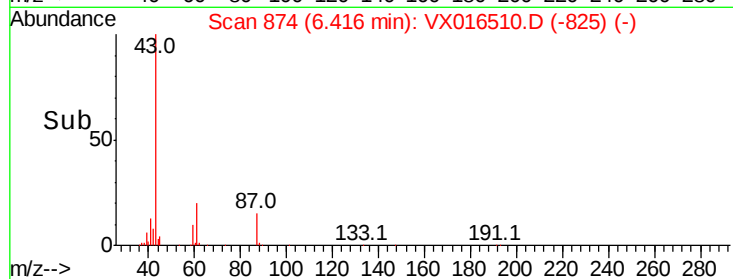
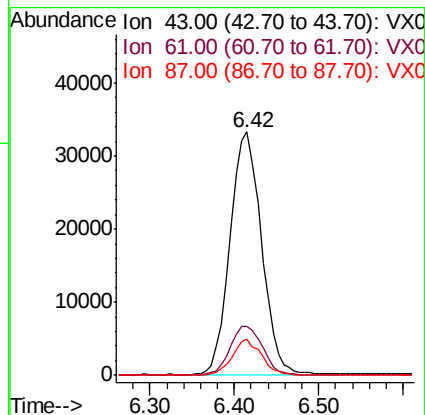
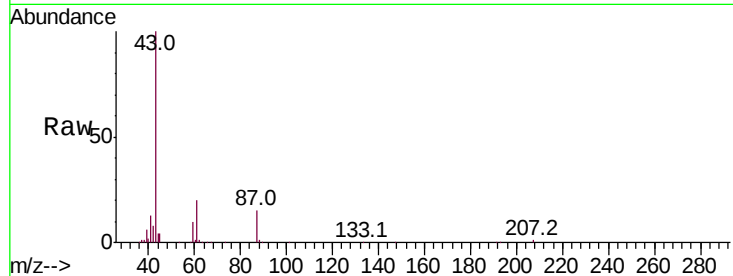


#43

Isopropyl Acetate
 Concen: 9.817 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016510.D
 Acq: 29 May 2020 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TEST-HOLE-5-COMP

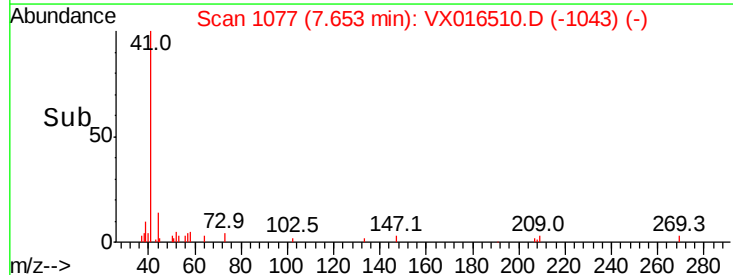
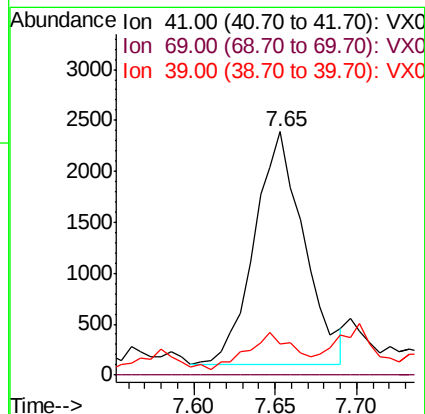
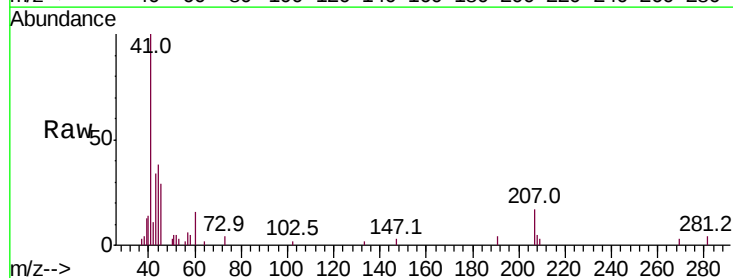
Tot Ion: 43 Resp: 85333
 Ion Ratio Lower Upper
 43 100
 61 20.8 16.8 25.2
 87 13.6 11.2 16.8

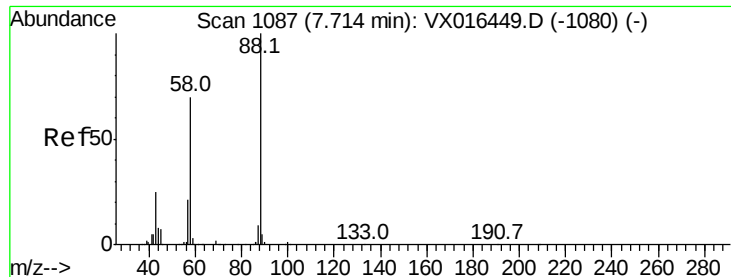


#48

Methyl methacrylate
 Concen: 1.164 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.09 min
 Lab File: VX016510.D
 Acq: 29 May 2020 14:54

Tgt Ion: 41 Resp: 4846
 Ion Ratio Lower Upper
 41 100
 69 0.0 68.6 102.8#
 39 0.0 42.4 63.6#





#49

1,4-Dioxane

Concen: 3.121 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.13 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

TEST-HOLE-5-COMP

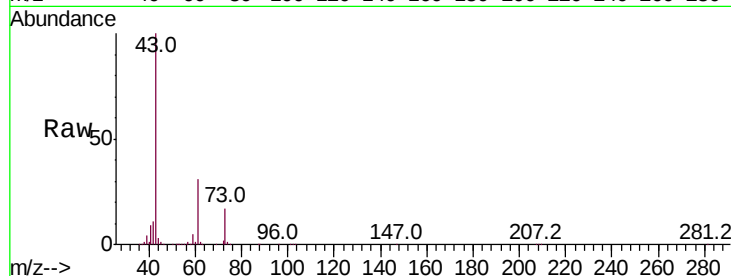
Tot Ion: 88 Resp: 304

Ion Ratio Lower Upper

88 100

43 474984.9 24.2 36.4#

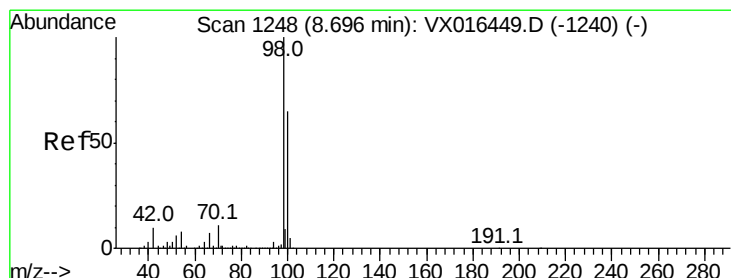
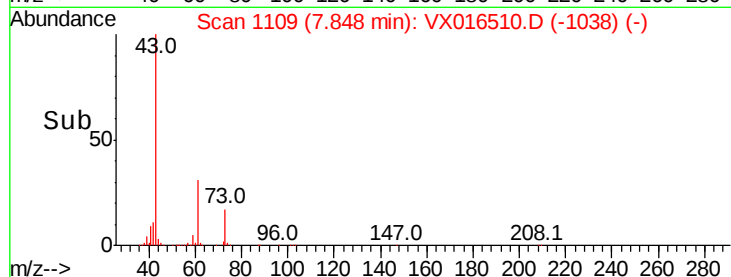
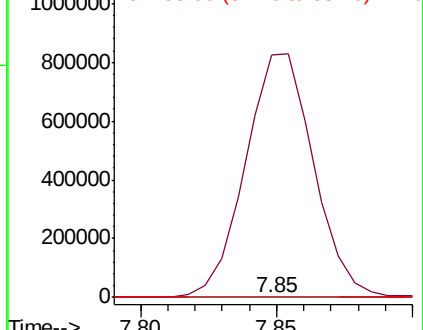
58 2083.6 56.5 84.7#



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: 51.262 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016510.D

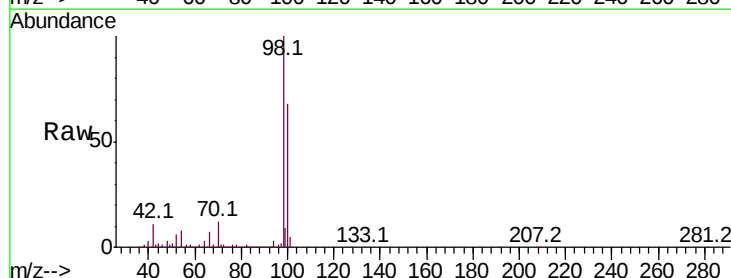
Acq: 29 May 2020 14:54

Tgt Ion: 98 Resp: 602292

Ion Ratio Lower Upper

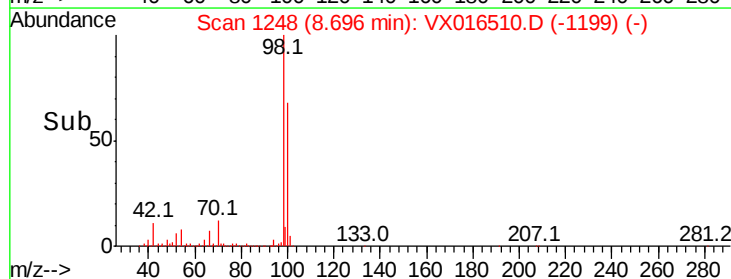
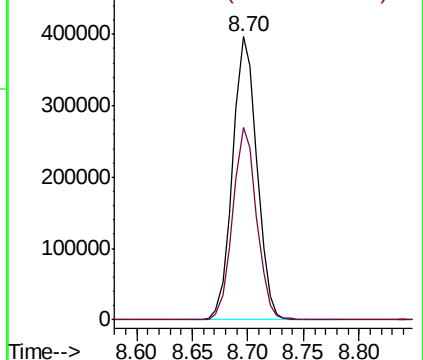
98 100

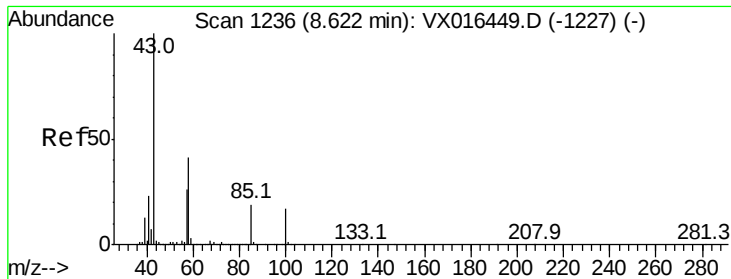
100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 13.883 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

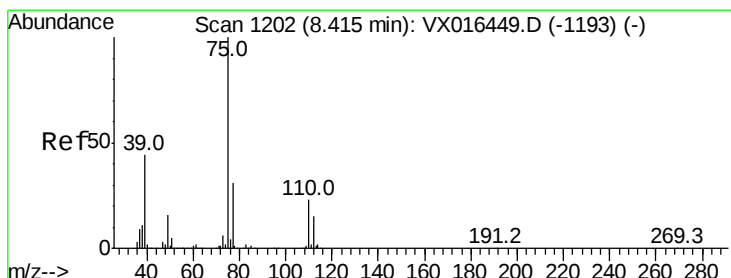
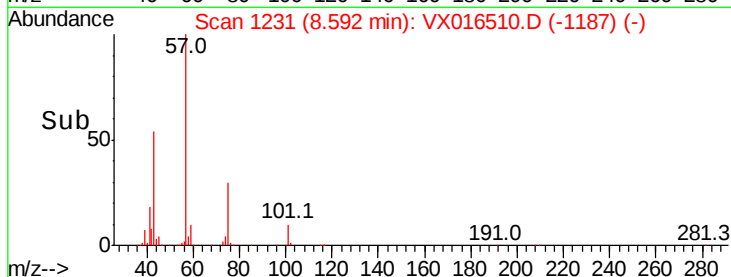
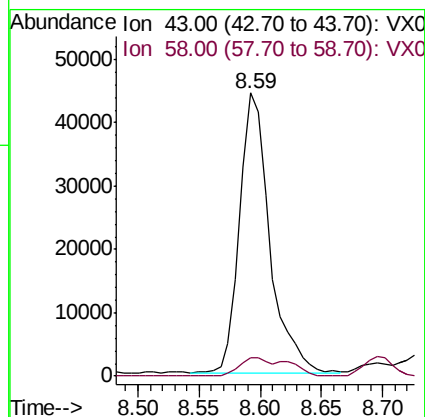
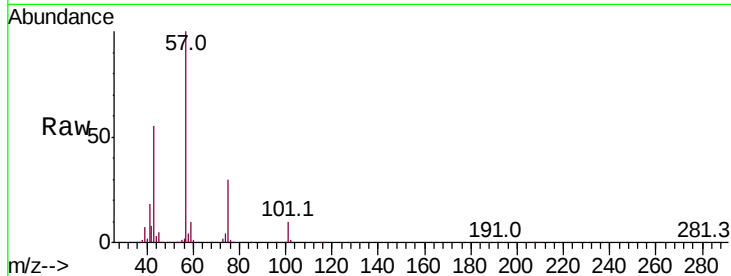
TEST-HOLE-5-COMP

Tot Ion: 43 Resp: 75139

Ion Ratio Lower Upper

43 100

58 6.8 33.0 49.6#



#54

cis-1,3-Dichloropropene

Concen: 6.201 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

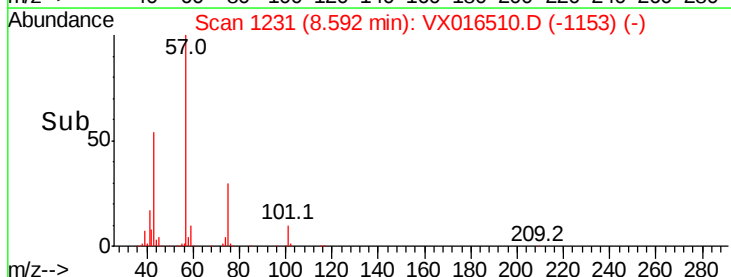
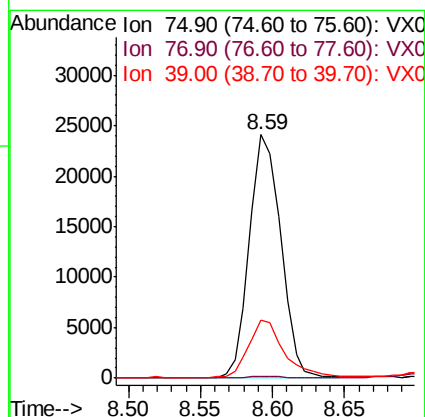
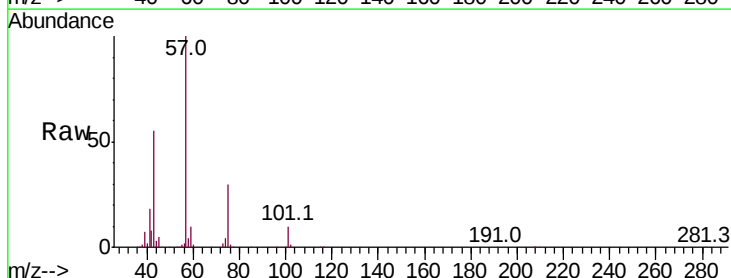
Tgt Ion: 75 Resp: 36523

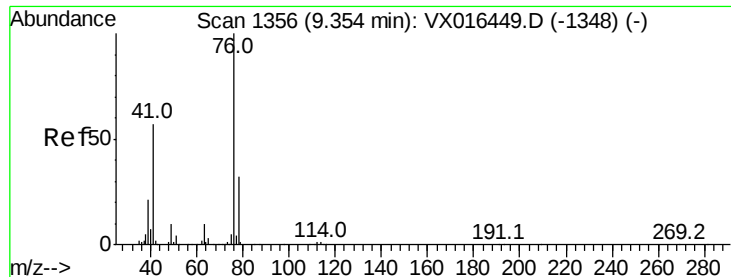
Ion Ratio Lower Upper

75 100

77 0.7 24.6 36.8#

39 23.9 35.3 52.9#





#57

1,3-Dichloropropane

Concen: 1.070 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

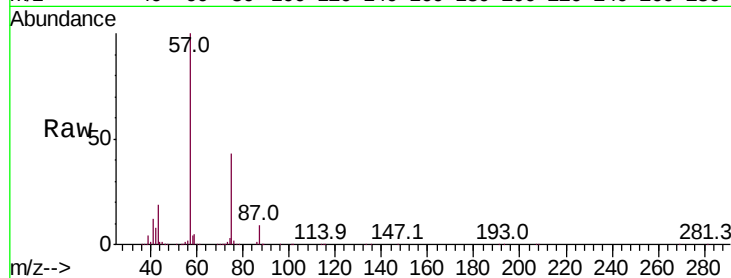
TEST-HOLE-5-COMP

Tot Ion: 76 Resp: 6365

Ion Ratio Lower Upper

76 100

78 0.8 26.2 39.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.52

6000

5000

4000

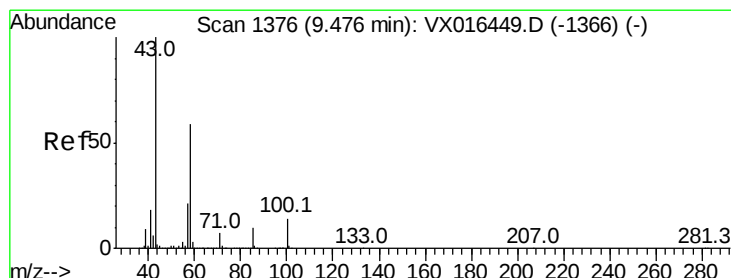
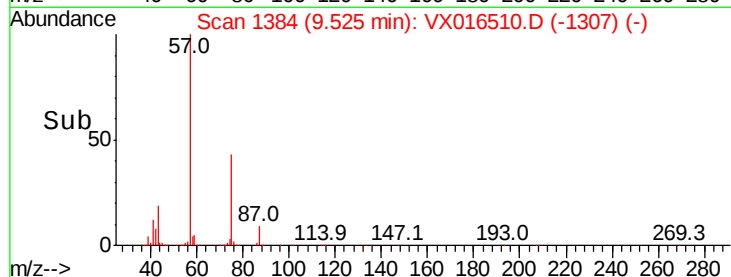
3000

2000

1000

0

Time--> 9.45 9.50 9.55



#59

2-Hexanone

Concen: 18.709 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX016510.D

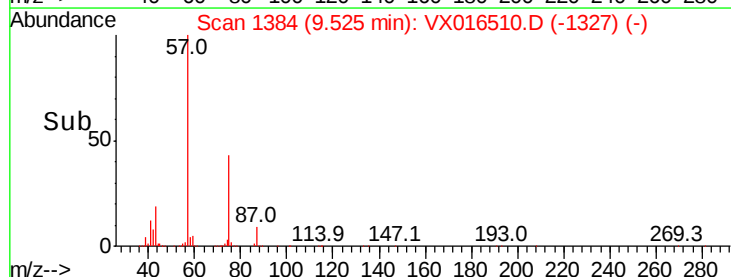
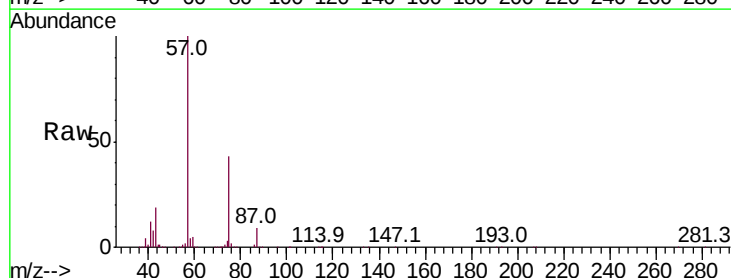
Acq: 29 May 2020 14:54

Tgt Ion: 43 Resp: 78748

Ion Ratio Lower Upper

43 100

58 20.6 28.8 86.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.52

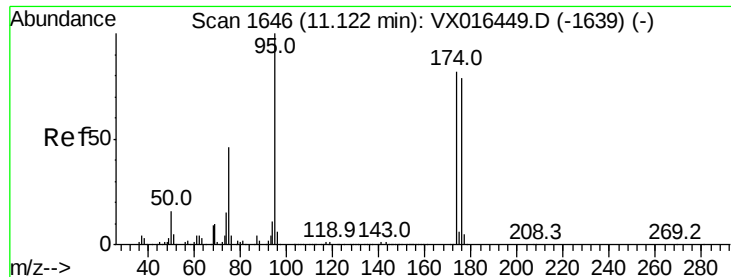
60000

40000

20000

0

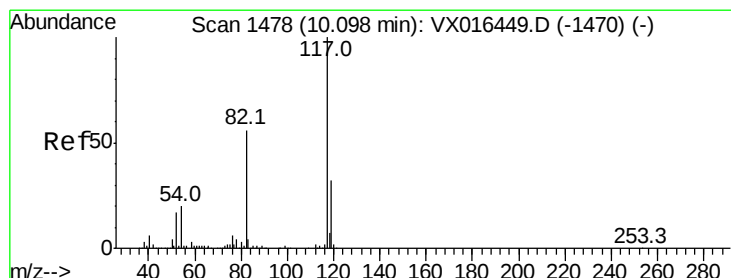
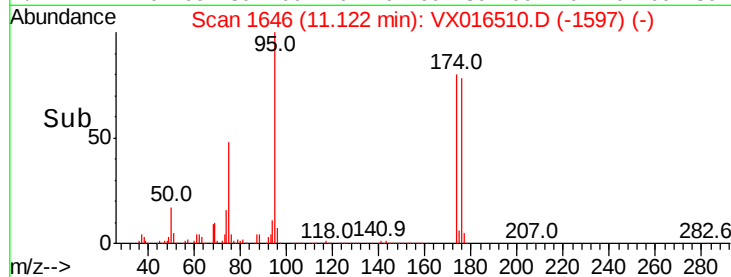
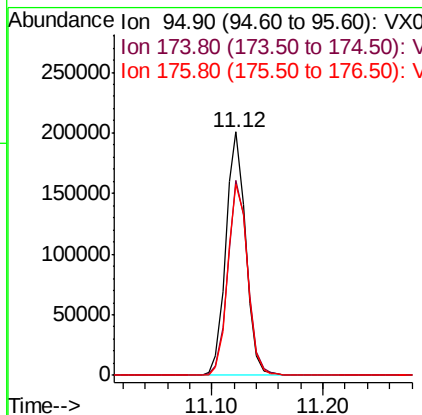
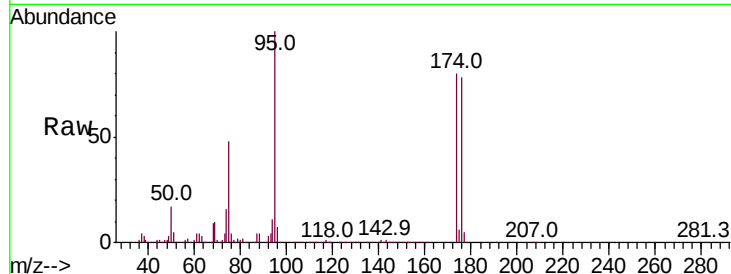
Time--> 9.50 9.55



#62
4-Bromofluorobenzene
Concen: 54.211 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016510.D
Acq: 29 May 2020 14:54

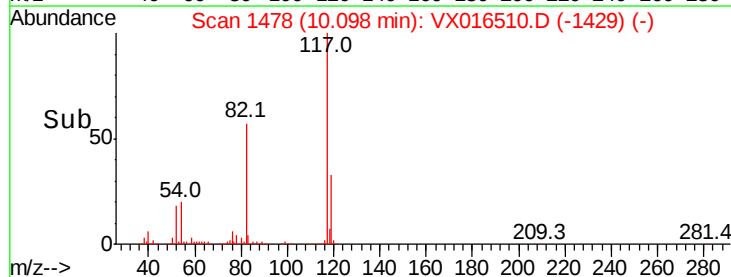
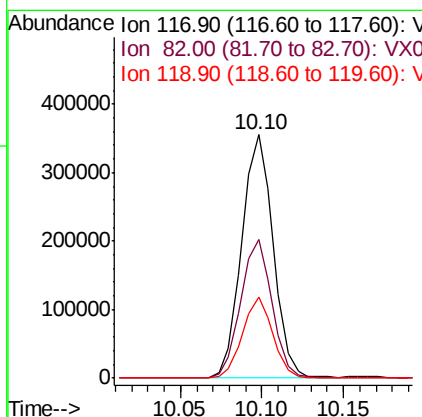
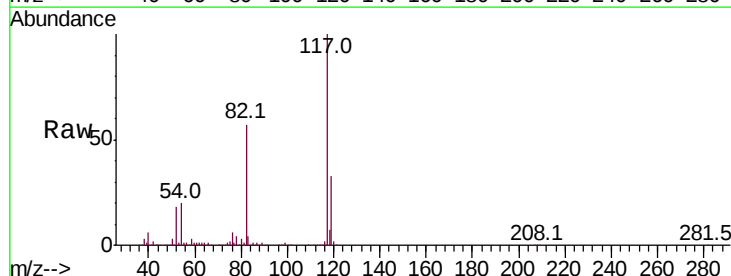
Instrument :
MSVOA_X
ClientSampleId :
TEST-HOLE-5-COMP

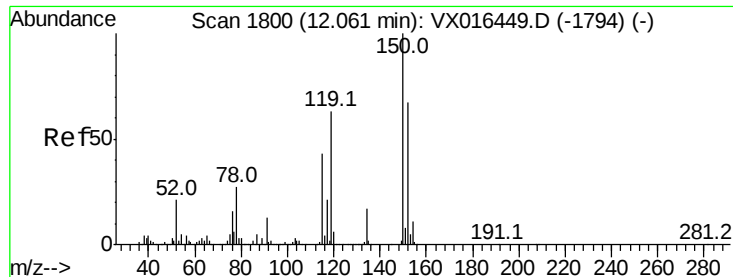
Tot Ion: 95 Resp: 246110
Ion Ratio Lower Upper
95 100
174 80.4 0.0 163.0
176 79.0 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016510.D
Acq: 29 May 2020 14:54

Tgt Ion: 117 Resp: 478302
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.6
119 33.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

TEST-HOLE-5-COMP

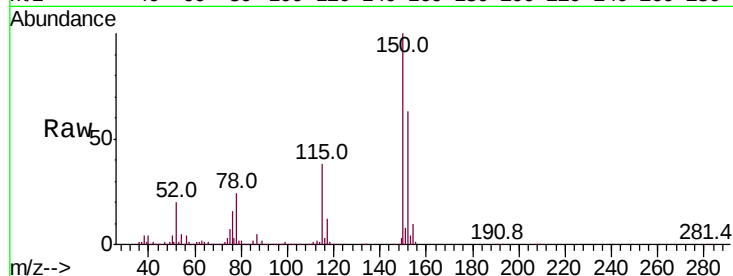
Tot Ion:152 Resp: 239799

Ion Ratio Lower Upper

152 100

115 58.4 39.9 119.6

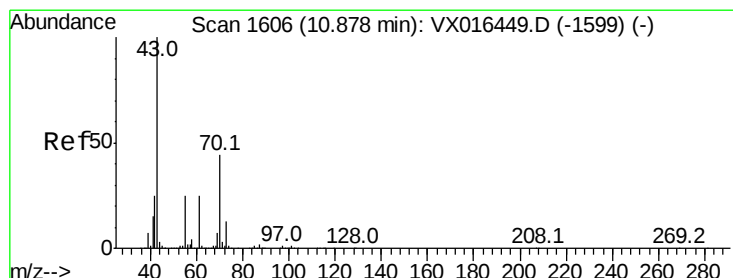
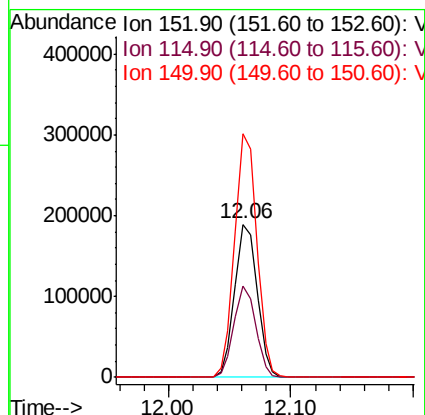
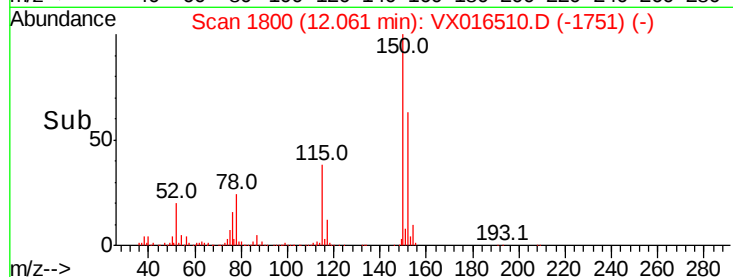
150 157.0 0.0 341.0



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



#74

N-ethyl acetate

Concen: 0.622 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

Tgt Ion: 43 Resp: 4755

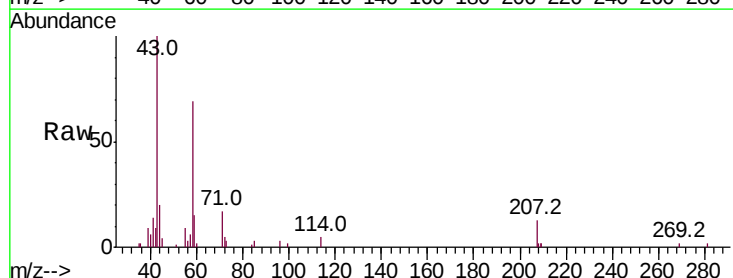
Ion Ratio Lower Upper

43 100

70 0.0 36.1 54.1#

55 10.2 20.2 30.4#

61 0.0 20.3 30.5#

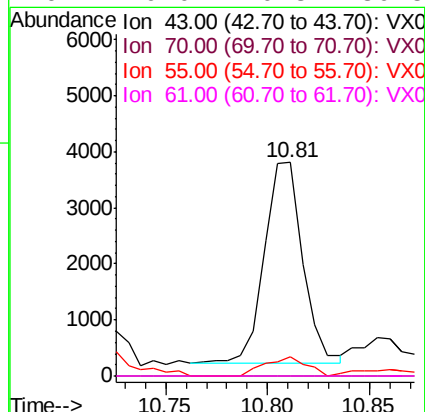
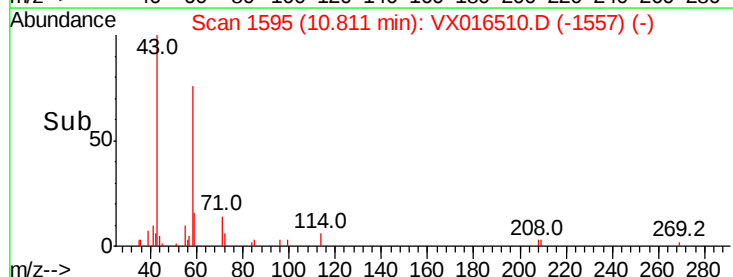


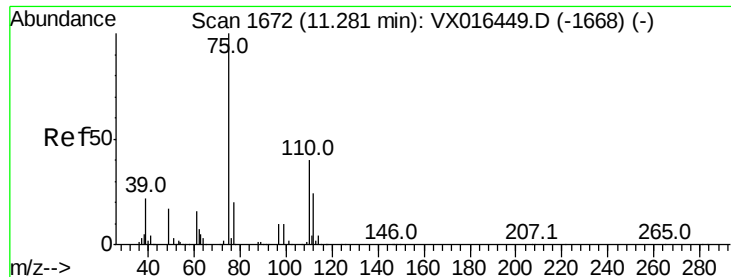
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#76

1,2,3-Trichloropropane

Concen: 22.762 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

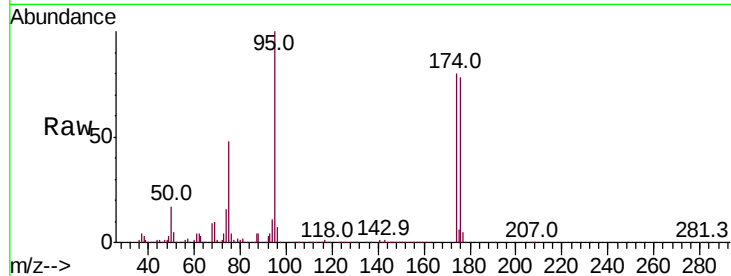
TEST-HOLE-5-COMP

Tot Ion: 75 Resp: 119974

Ion Ratio Lower Upper

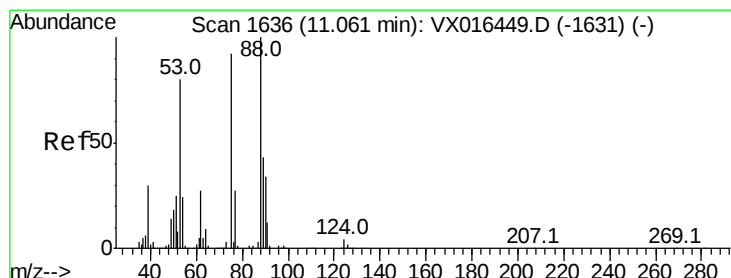
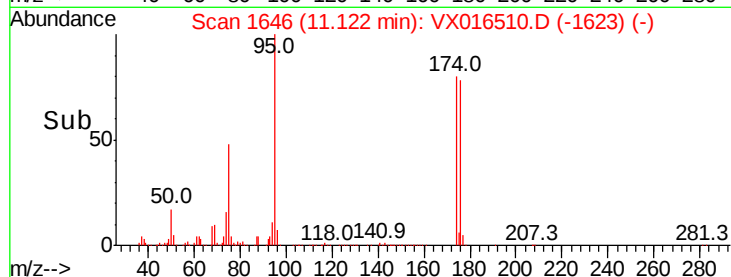
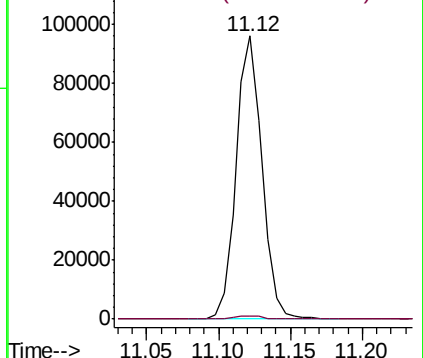
75 100

77 1.3 21.3 63.7#



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: 55.990 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016510.D

Acq: 29 May 2020 14:54

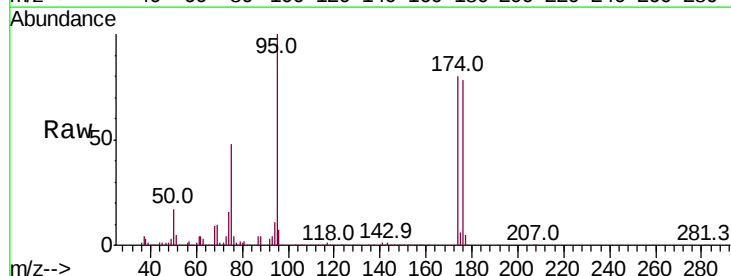
Tgt Ion: 75 Resp: 119974

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#



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

