

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015956.D
 Acq On : 25 Apr 2020 01:01
 Operator : JC/SP
 Sample : L2399-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-A

Quant Time: Apr 25 06:57:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	132525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	254823	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	252220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	122766	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	96910	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	5.47	113	74919	53.91	ug/l	0.00
Spiked Amount			Recovery	=	107.82%	
50) Toluene-d8	8.70	98	326838	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
62) 4-Bromofluorobenzene	11.12	95	134271	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	

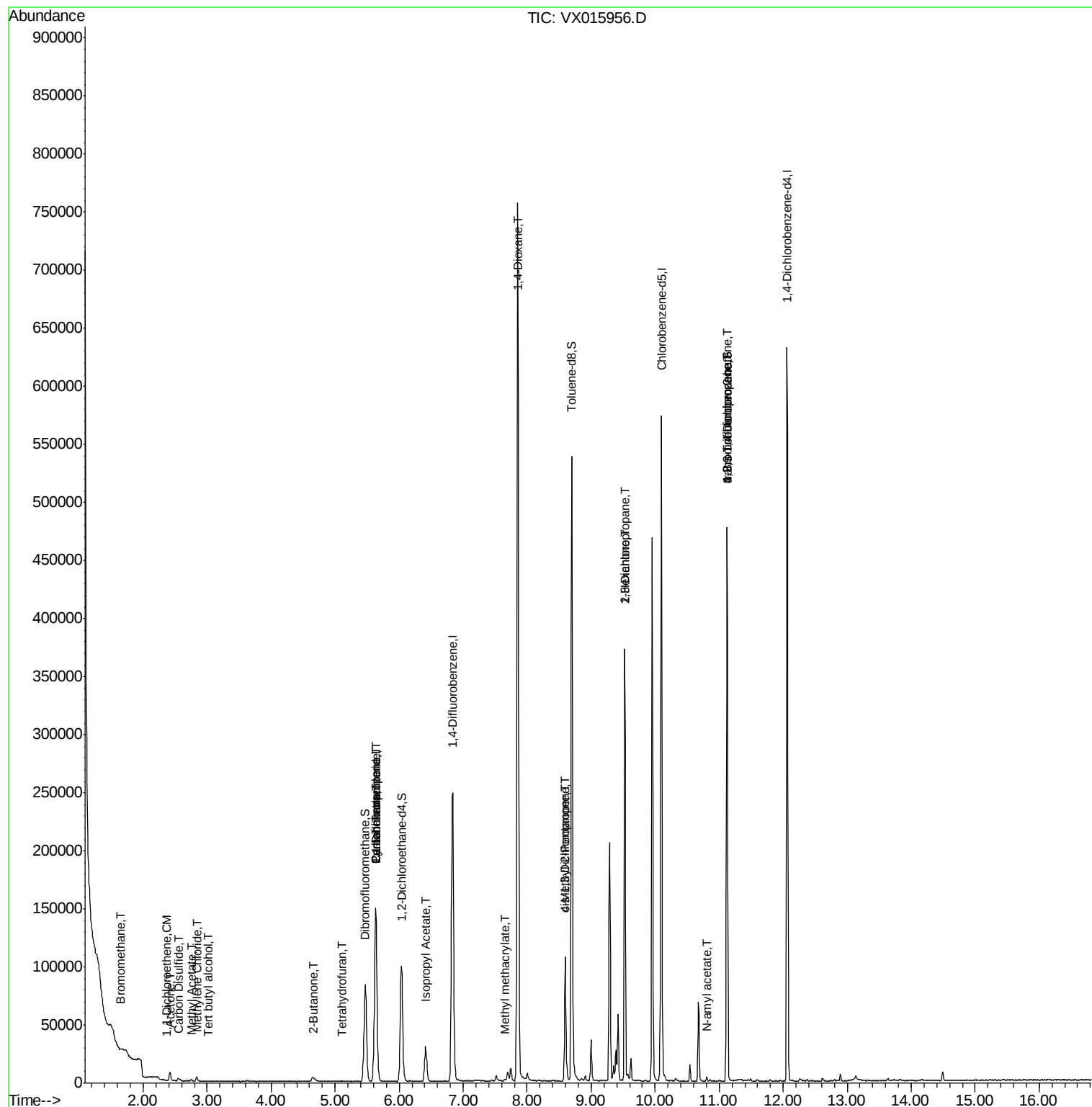
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	164	0.237	ug/l #	48
11) Tert butyl alcohol	3.01	59	151	0.376	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	325	0.217	ug/l #	1
16) Acetone	2.42	43	7611	10.843	ug/l	97
17) Carbon Disulfide	2.56	76	2793	0.378	ug/l #	93
18) Methyl Acetate	2.75	43	1723	0.812	ug/l	96
20) Methylene Chloride	2.84	84	1657	0.954	ug/l	95
25) 2-Butanone	4.65	43	1836	1.606	ug/l	96
29) Tetrahydrofuran	5.12	42	444	0.590	ug/l #	39
31) Cyclohexane	5.64	56	3188	1.136	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	12196	5.015	ug/l #	49
38) Carbon Tetrachloride	5.64	117	14600	6.570	ug/l #	15
43) Isopropyl Acetate	6.42	43	40100	10.005	ug/l	99
48) Methyl methacrylate	7.65	41	2726	1.383	ug/l #	12
49) 1,4-Dioxane	7.85	88	131	2.989	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	37745	16.065	ug/l #	49
54) cis-1,3-Dichloropropene	8.60	75	19230	6.159	ug/l #	56
57) 1,3-Dichloropropane	9.52	76	3255	1.055	ug/l #	44
59) 2-Hexanone	9.52	43	40277	22.576	ug/l #	48
74) N-amyl acetate	10.81	43	1913	0.483	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	67077	25.471	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	67077	57.377	ug/l #	14

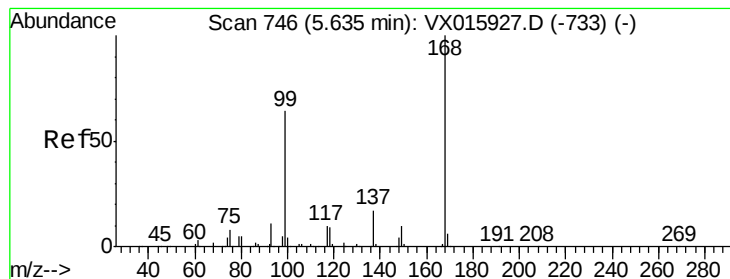
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042420\
Data File : VX015956.D
Acq On : 25 Apr 2020 01:01
Operator : JC/SP
Sample : L2399-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SP1-A

Quant Time: Apr 25 06:57:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 24 13:17:59 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: VX015956.D

Acq: 25 Apr 2020 01:01

Instrument :

MSVOA_X

ClientSampled :

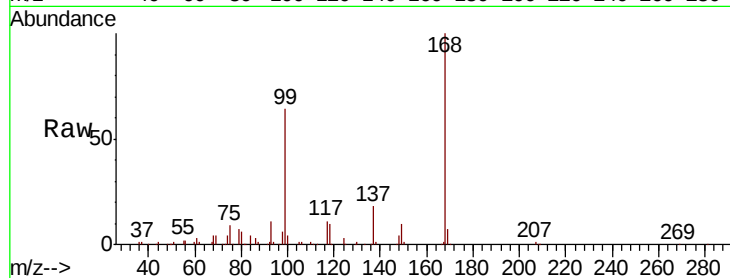
SP1-A

Tot Ion:168 Resp: 132525

Ion Ratio Lower Upper

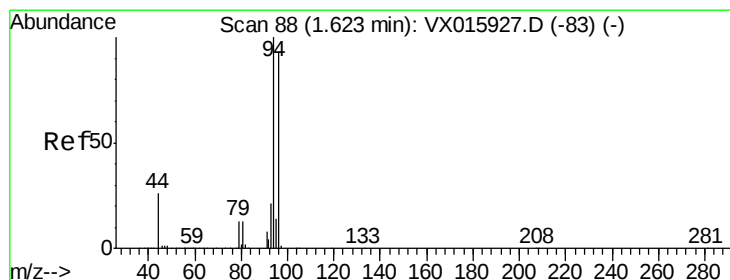
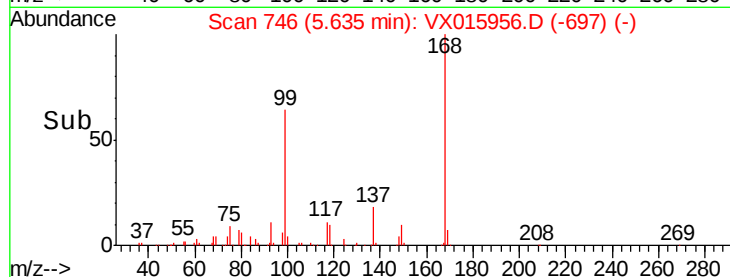
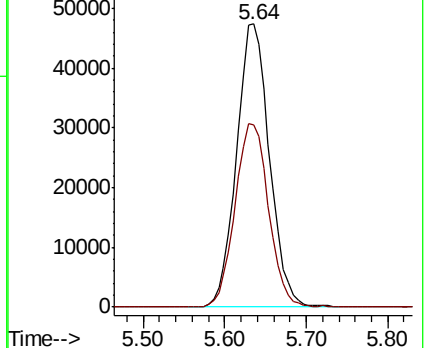
168 100

99 64.5 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.237 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX015956.D

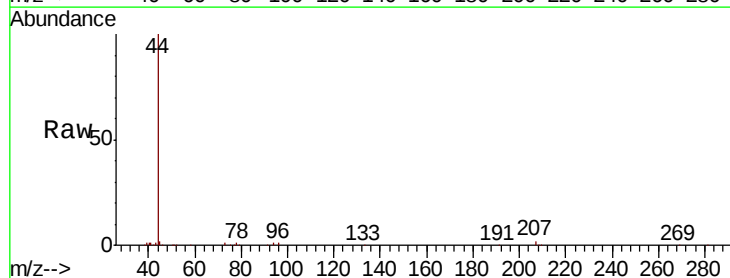
Acq: 25 Apr 2020 01:01

Tgt Ion: 94 Resp: 164

Ion Ratio Lower Upper

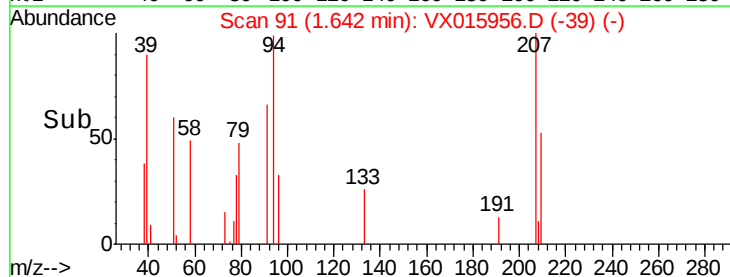
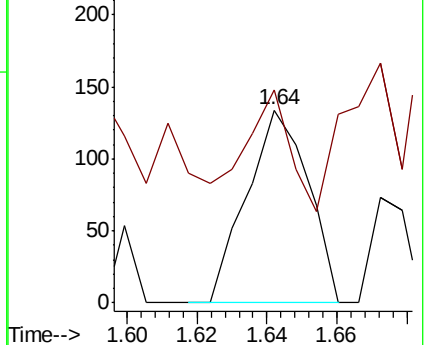
94 100

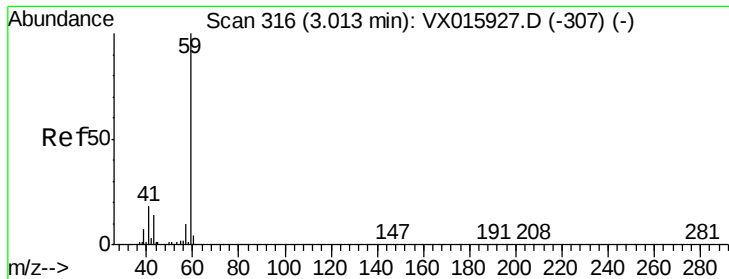
96 43.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



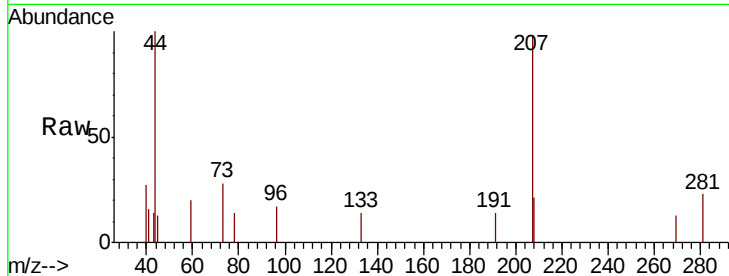


#11

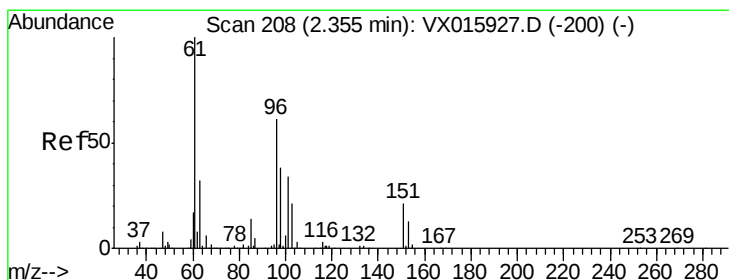
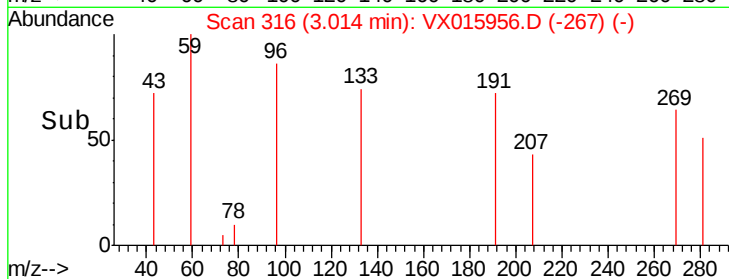
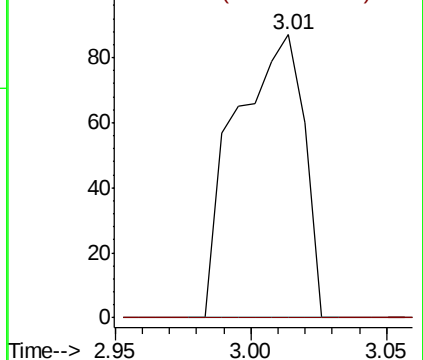
Tert butyl alcohol
Concen: 0.376 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX015956.D
Acq: 25 Apr 2020 01:01

Instrument :
MSVOA_X
ClientSampled :
SP1-A

Tot Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



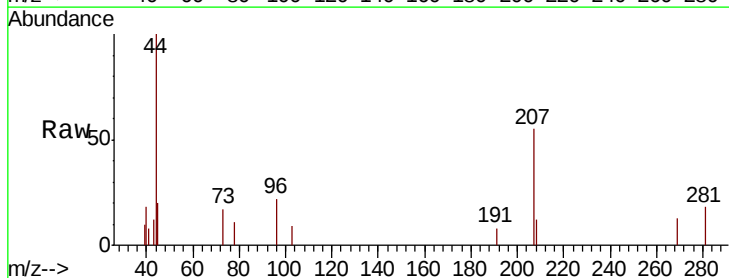
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



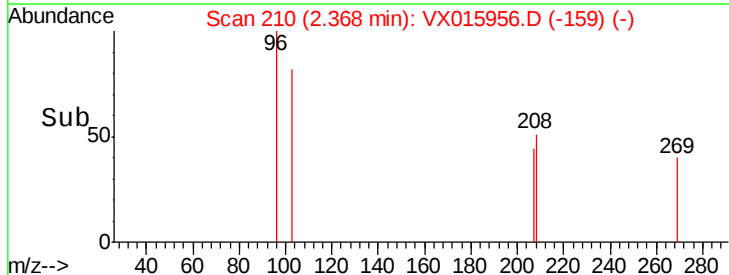
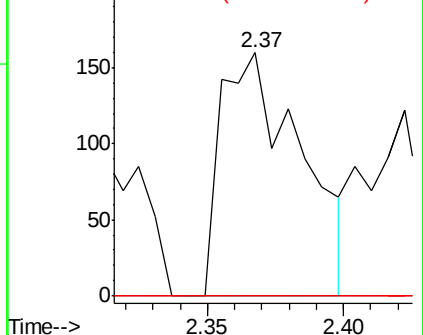
#12

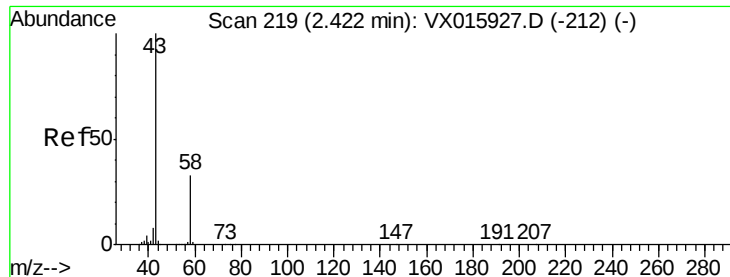
1,1-Dichloroethene
Concen: 0.217 ug/l
RT: 2.37 min Scan# 210
Delta R.T. 0.01 min
Lab File: VX015956.D
Acq: 25 Apr 2020 01:01

Tgt Ion: 96 Resp: 325
Ion Ratio Lower Upper
96 100
61 0.0 131.2 196.8#
98 0.0 50.2 75.4#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 10.843 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

Instrument :

MSVOA_X

ClientSampled :

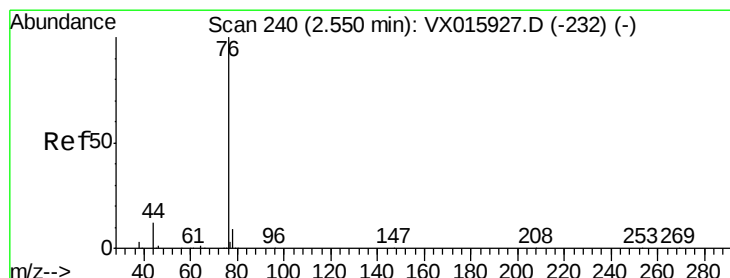
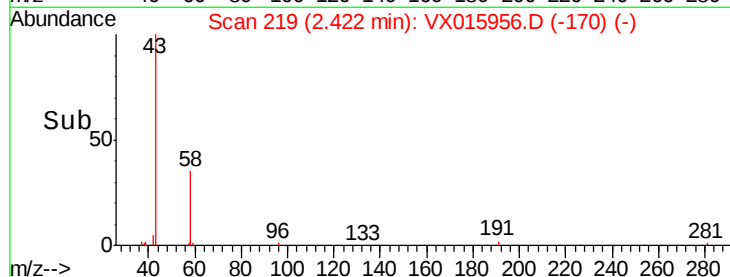
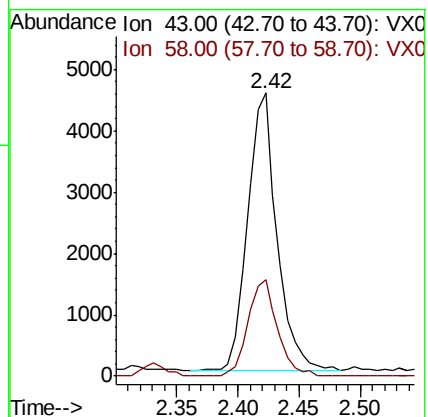
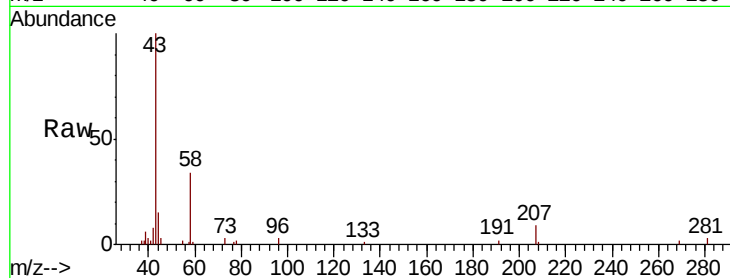
SP1-A

Tot Ion: 43 Resp: 7611

Ion Ratio Lower Upper

43 100

58 34.6 26.4 39.6



#17

Carbon Disulfide

Concen: 0.378 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX015956.D

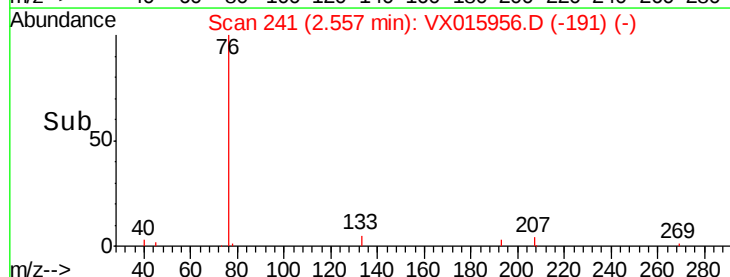
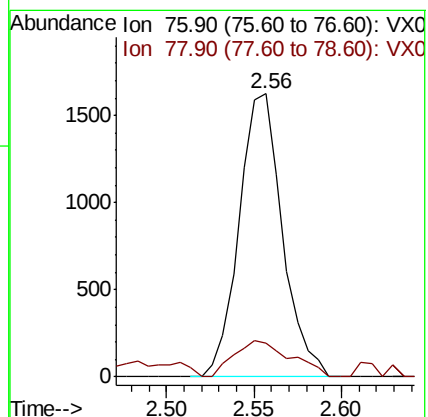
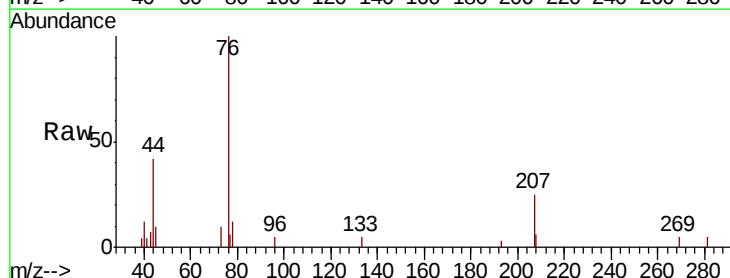
Acq: 25 Apr 2020 01:01

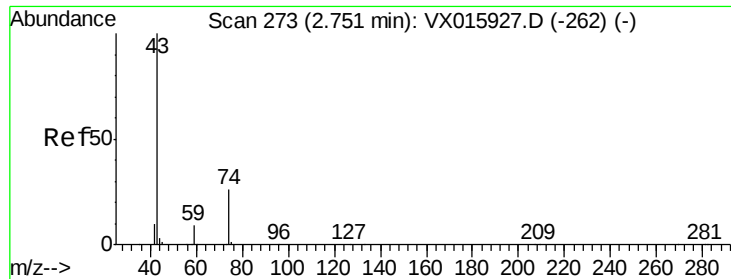
Tgt Ion: 76 Resp: 2793

Ion Ratio Lower Upper

76 100

78 11.9 7.4 11.2#

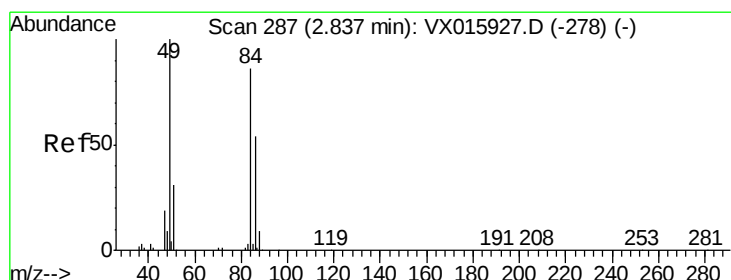
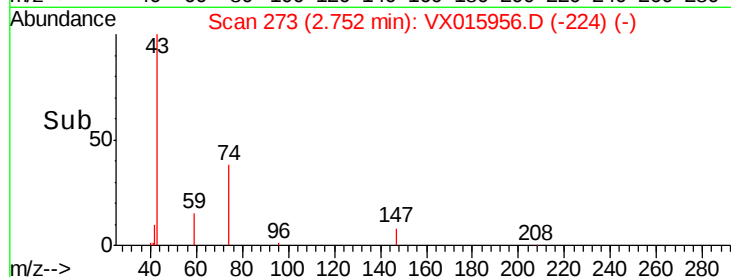
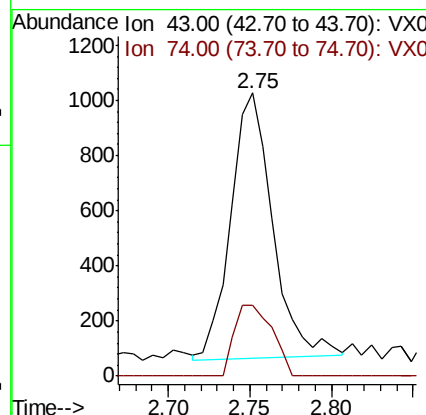
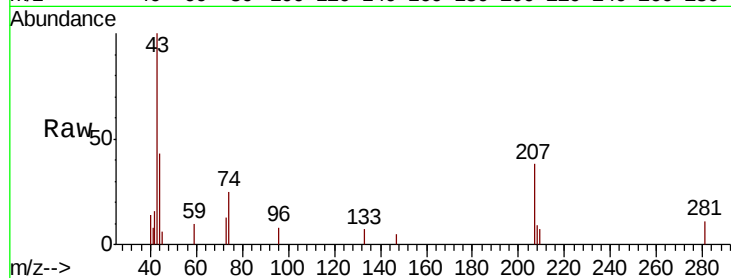




#18
Methvl Acetate
Concen: 0.812 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015956.D
Acq: 25 Apr 2020 01:01

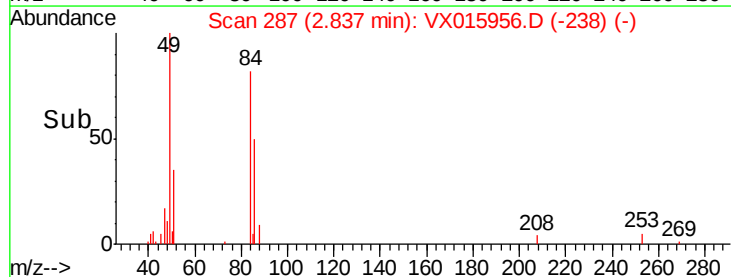
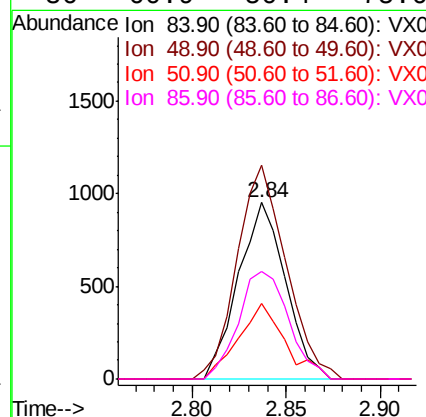
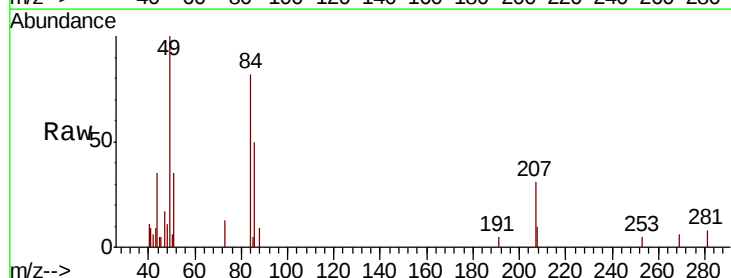
Instrument :
MSVOA_X
ClientSampleId :
SP1-A

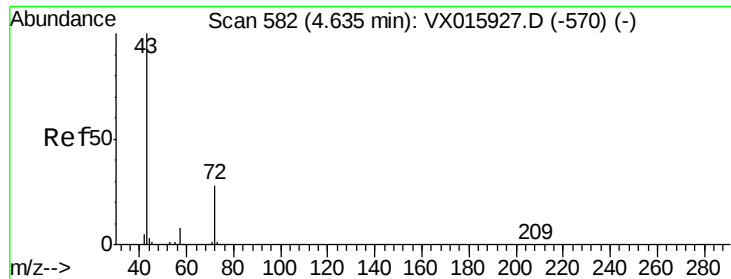
Tot Ion: 43 Resp: 1723
Ion Ratio Lower Upper
43 100
74 24.1 21.0 31.4



#20
Methylene Chloride
Concen: 0.954 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015956.D
Acq: 25 Apr 2020 01:01

Tgt Ion: 84 Resp: 1657
Ion Ratio Lower Upper
84 100
49 121.2 93.0 139.6
51 42.6 28.6 43.0
86 60.9 50.4 75.6





#25

2-Butanone

Concen: 1.606 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

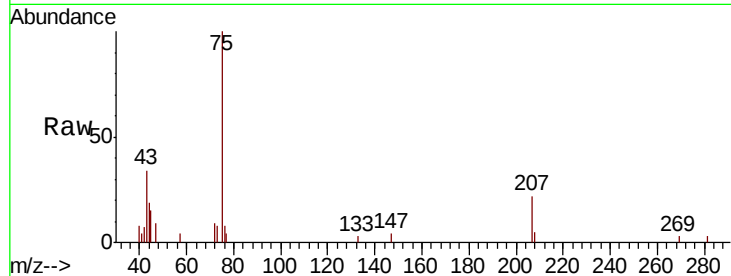
SP1-A

Tot Ion: 43 Resp: 1836

Ion Ratio Lower Upper

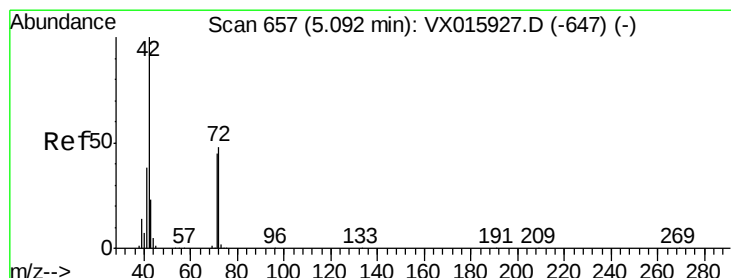
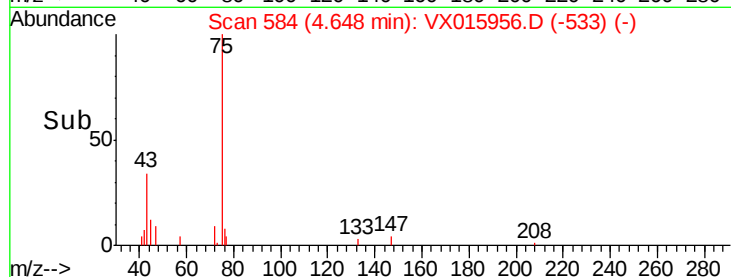
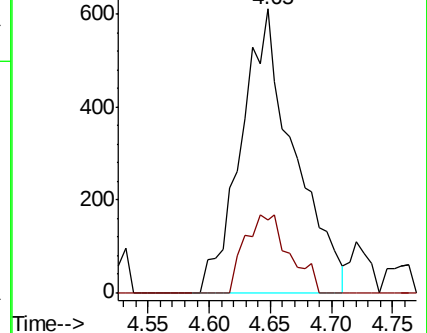
43 100

72 25.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.590 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

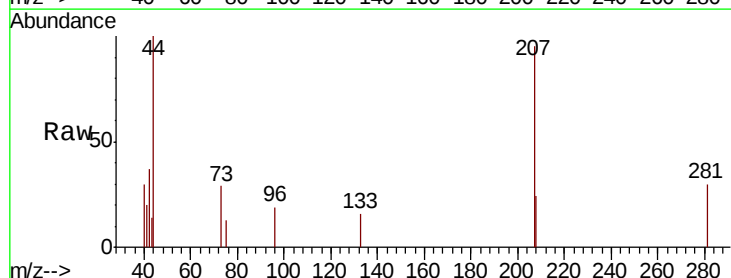
Tgt Ion: 42 Resp: 444

Ion Ratio Lower Upper

42 100

72 12.8 39.5 59.3#

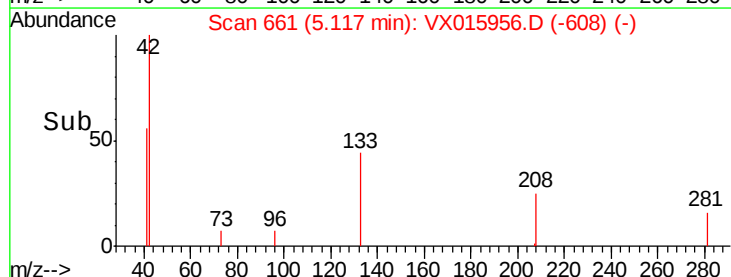
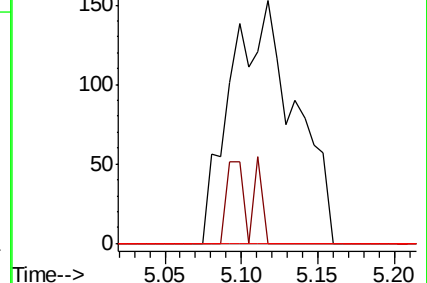
71 0.0 36.4 54.6#

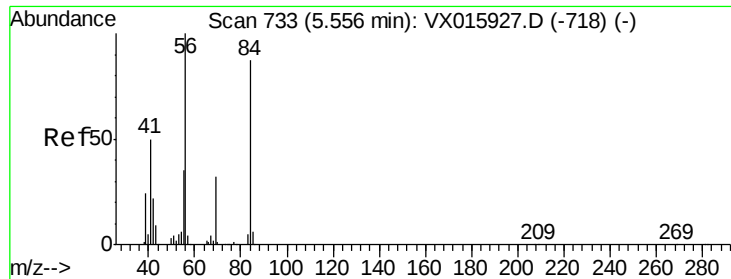


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

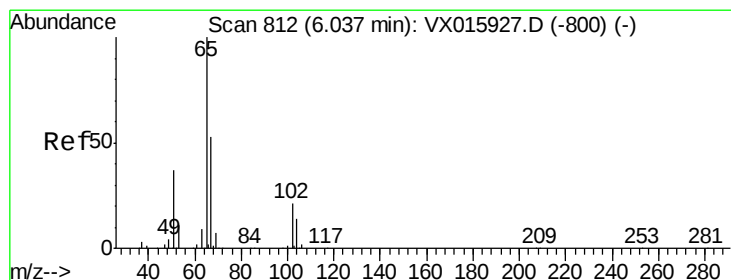
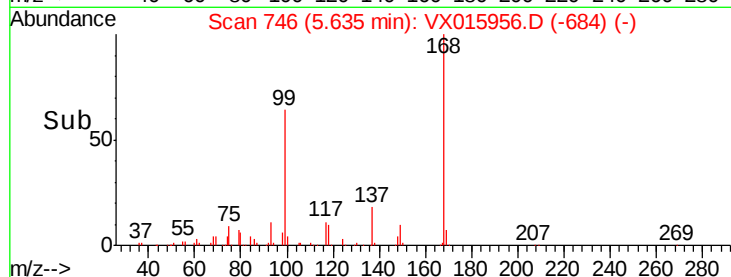
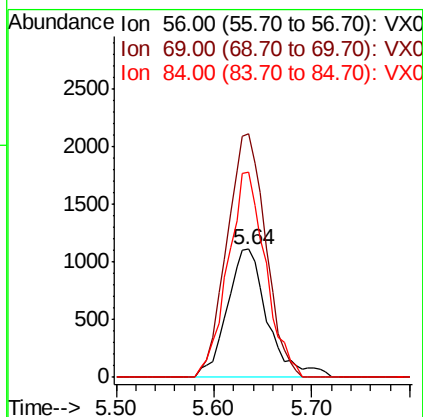
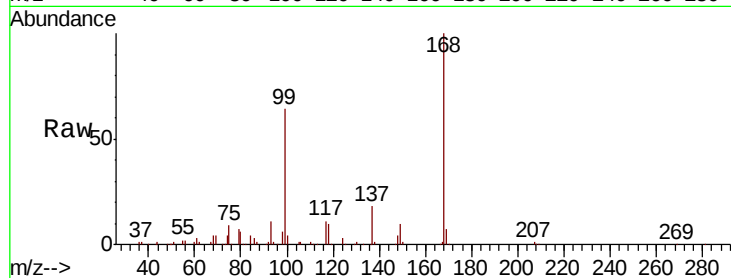




#31
Cyclohexane
Concen: 1.136 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX015956.D
Acq: 25 Apr 2020 01:01

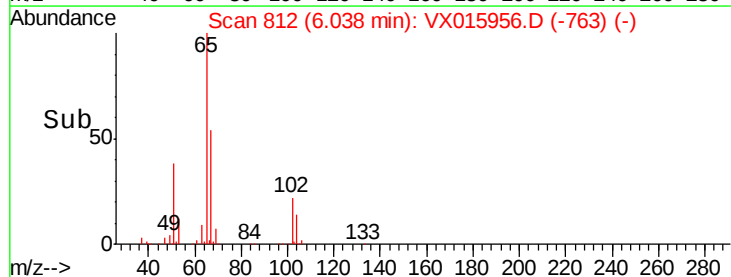
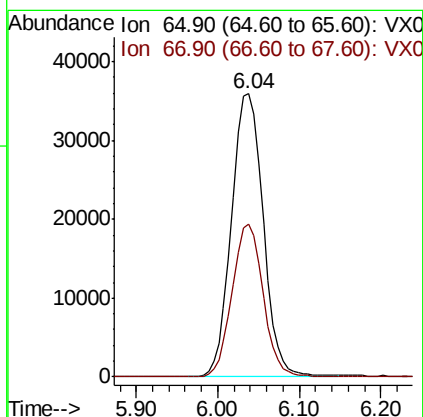
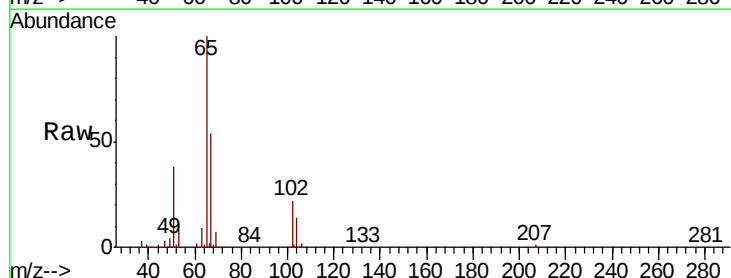
Instrument :
MSVOA_X
ClientSampled :
SP1-A

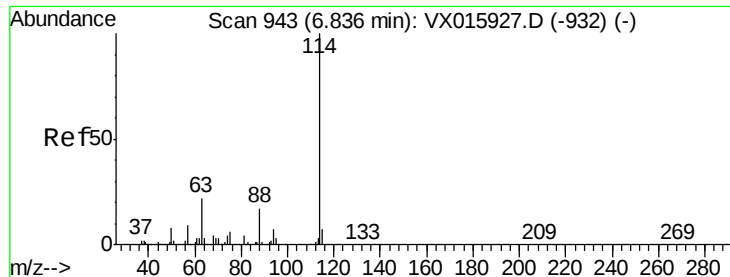
Tot Ion: 56 Resp: 3188
Ion Ratio Lower Upper
56 100
69 190.2 25.4 38.0#
84 160.3 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 51.788 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX015956.D
Acq: 25 Apr 2020 01:01

Tgt Ion: 65 Resp: 96910
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6

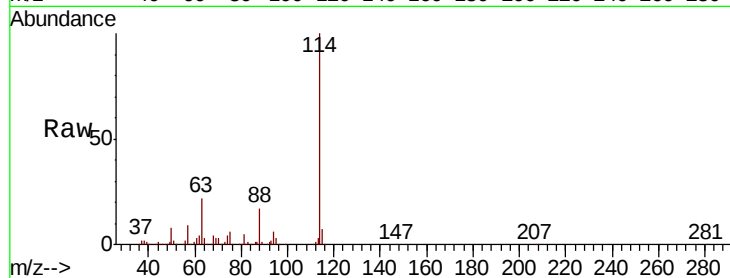




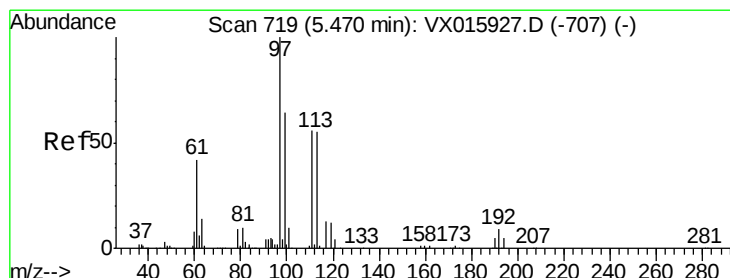
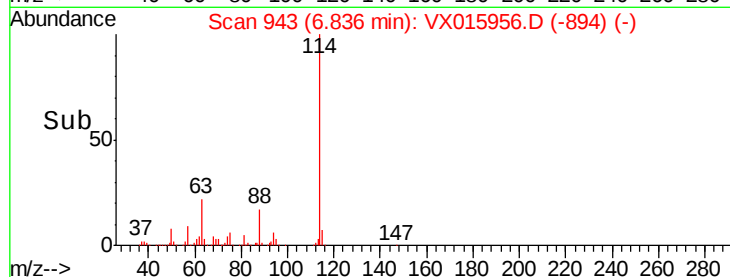
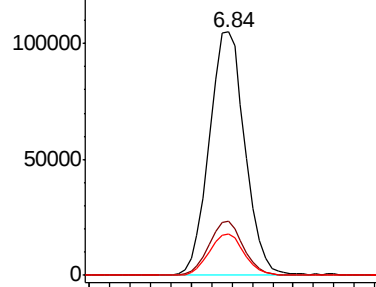
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 943
Delta R.T. 0.00 min
Lab File: VX015956.D
Acq: 25 Apr 2020 01:01

Instrument :
MSVOA_X
ClientSampled :
SP1-A

Tot Ion:114 Resp: 254823
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.4
88 16.8 0.0 34.2

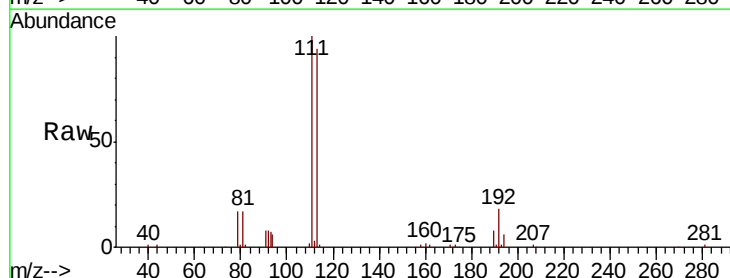


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

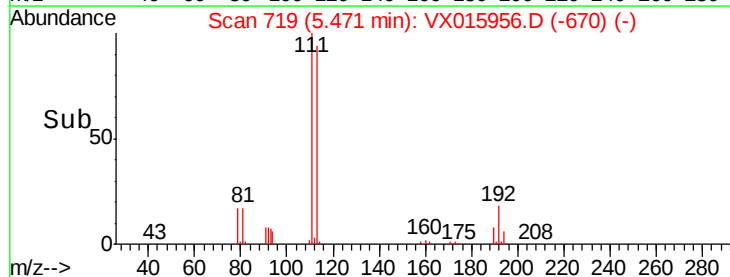
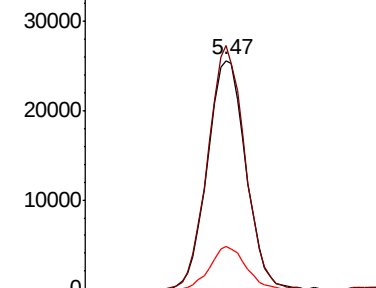


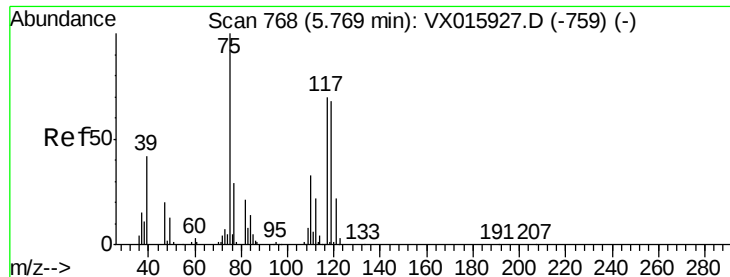
#35
Dibromofluoromethane
Concen: 53.907 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX015956.D
Acq: 25 Apr 2020 01:01

Tgt Ion:113 Resp: 74919
Ion Ratio Lower Upper
113 100
111 103.3 81.2 121.8
192 17.1 13.6 20.4



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: 5.015 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

SP1-A

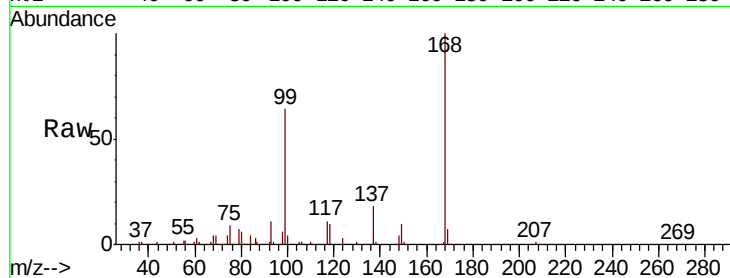
Tot Ion: 75 Resp: 12196

Ion Ratio Lower Upper

75 100

110 7.5 17.1 51.3#

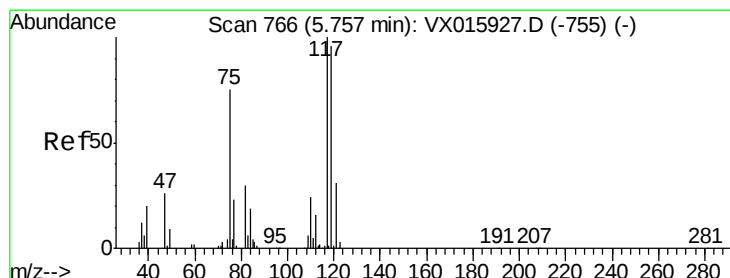
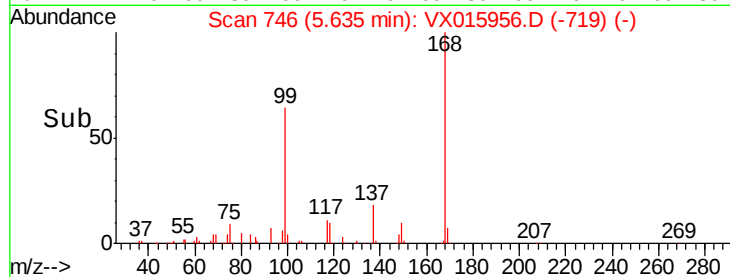
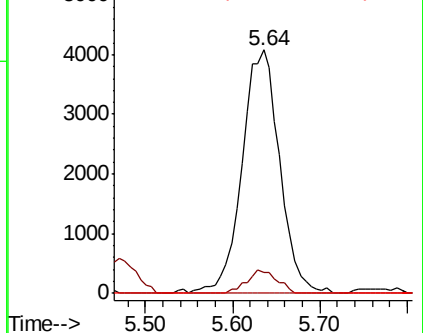
77 0.0 25.0 37.4#



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: 6.570 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

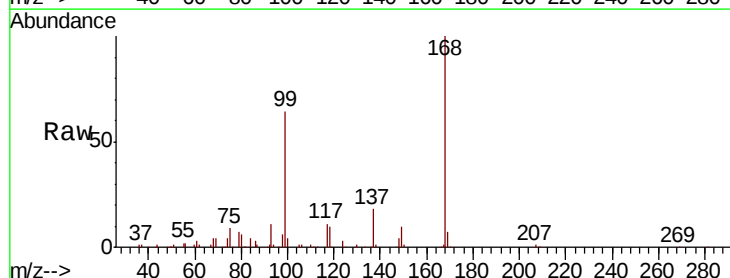
Tgt Ion: 117 Resp: 14600

Ion Ratio Lower Upper

117 100

119 4.4 77.0 115.6#

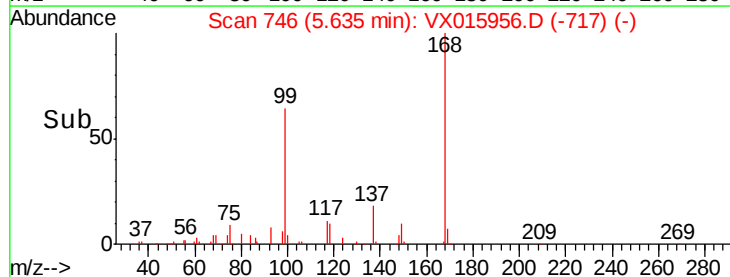
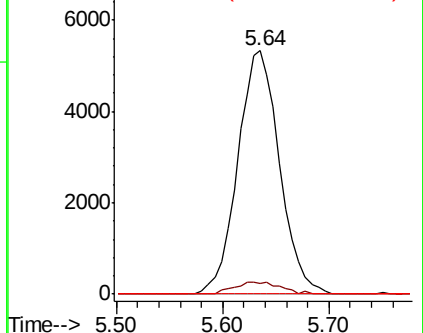
121 0.0 25.0 37.4#

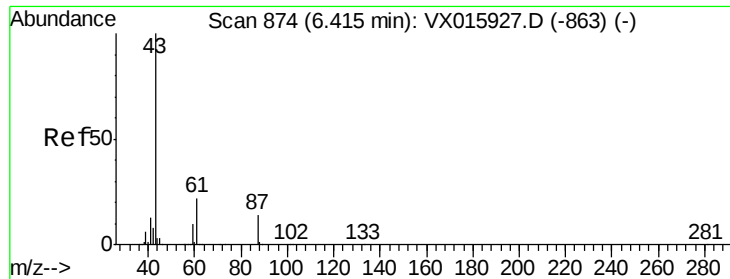


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



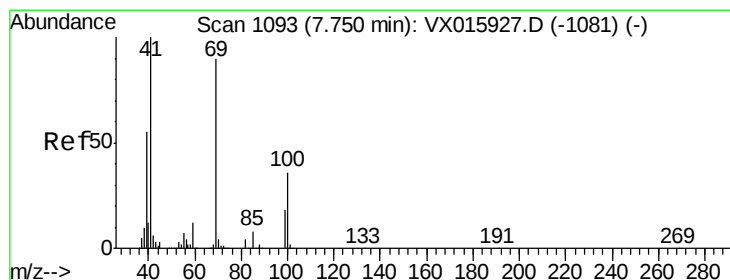
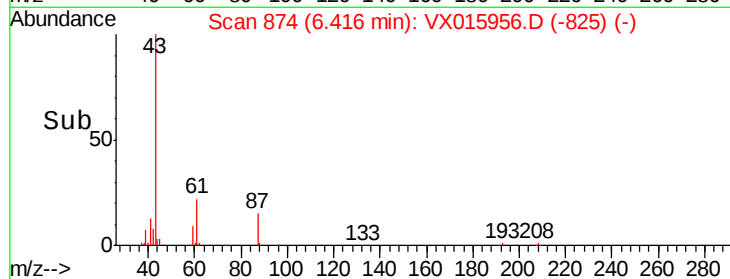
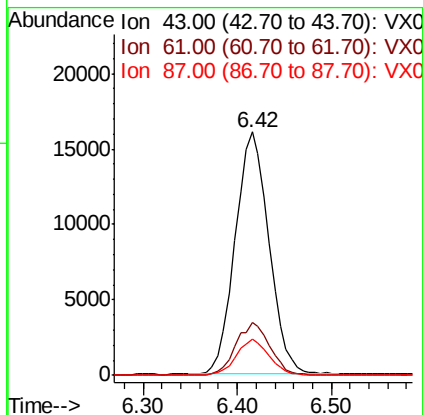
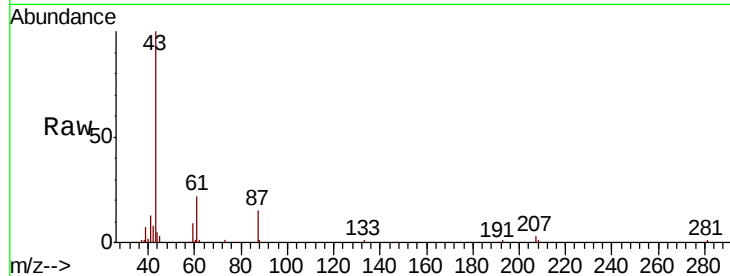


#43

Isopropyl Acetate
 Concen: 10.005 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX015956.D
 Acq: 25 Apr 2020 01:01

Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-A

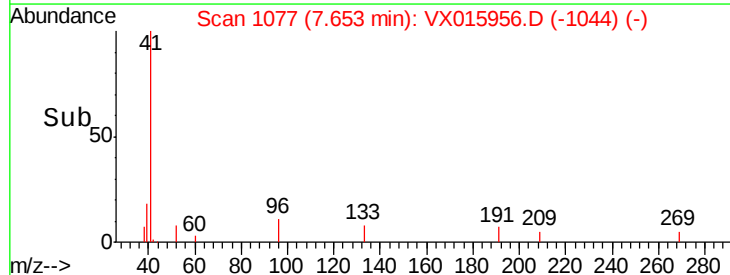
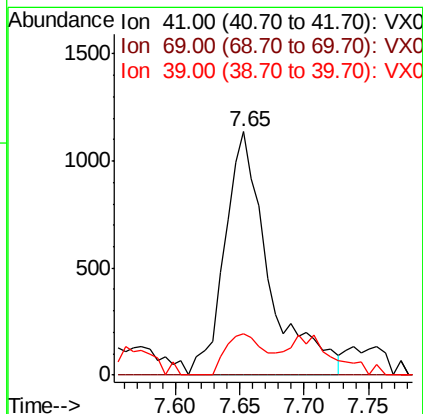
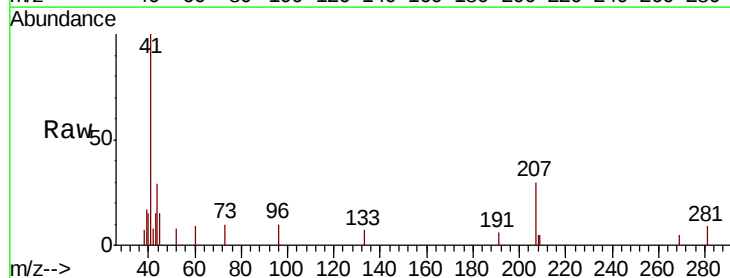
Tot Ion	43	Resp	40100
Ion Ratio	Lower	Upper	
43	100		
61	21.6	17.6	26.4
87	14.4	11.6	17.4

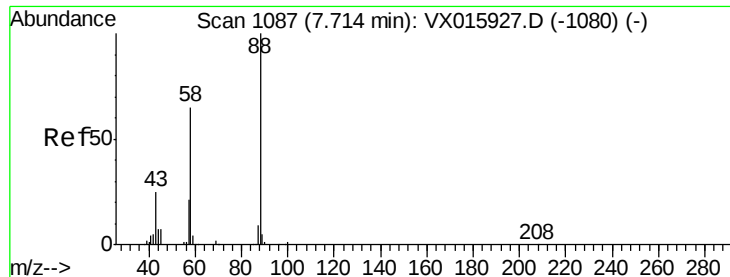


#48

Methyl methacrylate
 Concen: 1.383 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.10 min
 Lab File: VX015956.D
 Acq: 25 Apr 2020 01:01

Tgt Ion	41	Resp	2726
Ion Ratio	Lower	Upper	
41	100		
69	0.0	72.0	108.0#
39	0.0	44.1	66.1#





#49

1,4-Dioxane

Concen: 2.989 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.13 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

SP1-A

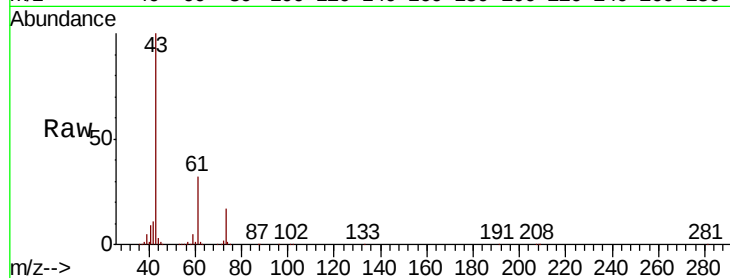
Tot Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

43 511502.3 23.8 35.8#

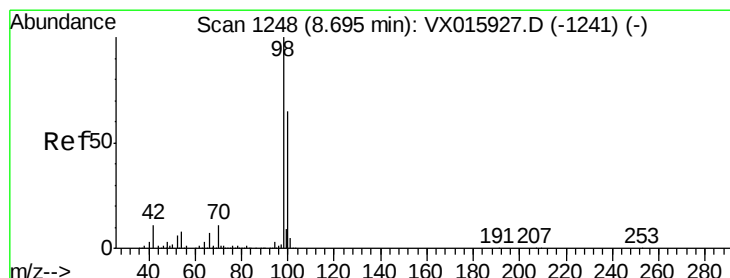
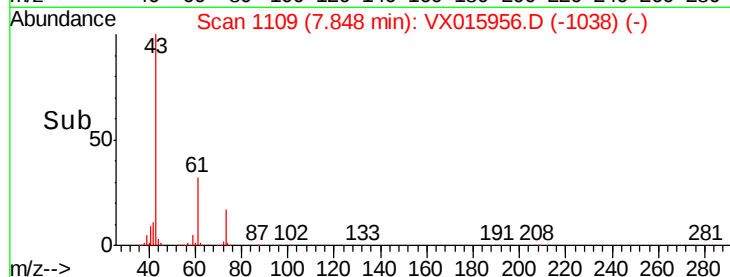
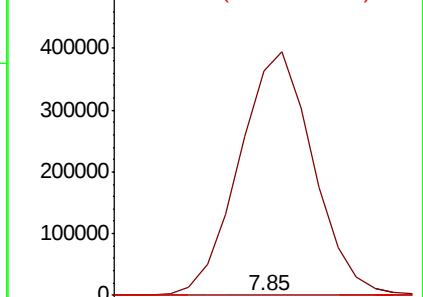
58 2167.2 55.7 83.5#



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: 55.548 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015956.D

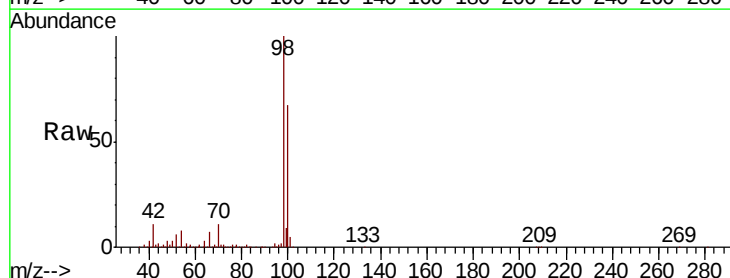
Acq: 25 Apr 2020 01:01

Tgt Ion: 98 Resp: 326838

Ion Ratio Lower Upper

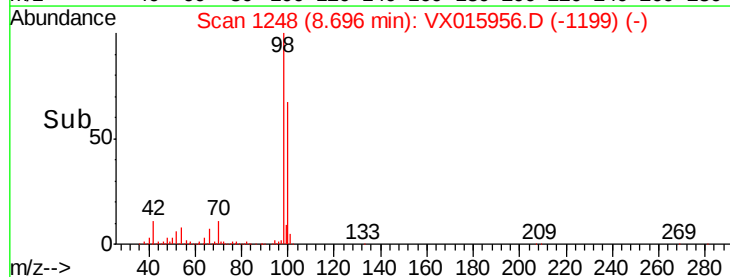
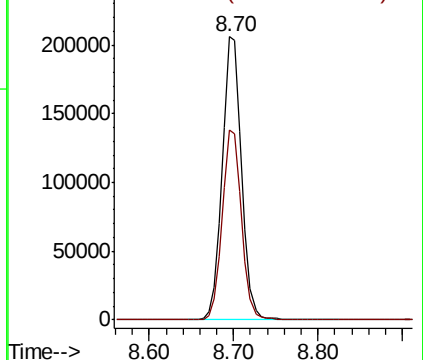
98 100

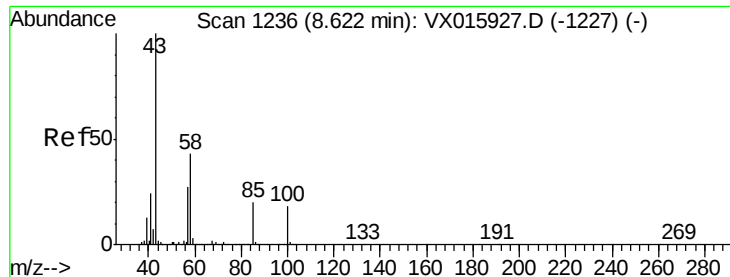
100 67.1 53.0 79.4



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: 16.065 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

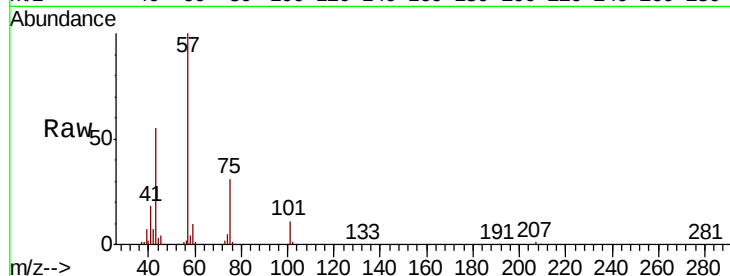
SP1-A

Tot Ion: 43 Resp: 37745

Ion Ratio Lower Upper

43 100

58 10.5 34.2 51.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

25000

20000

15000

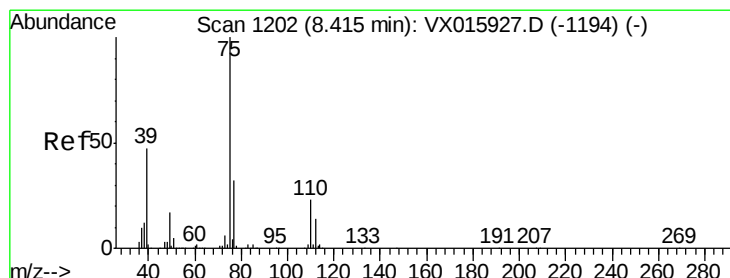
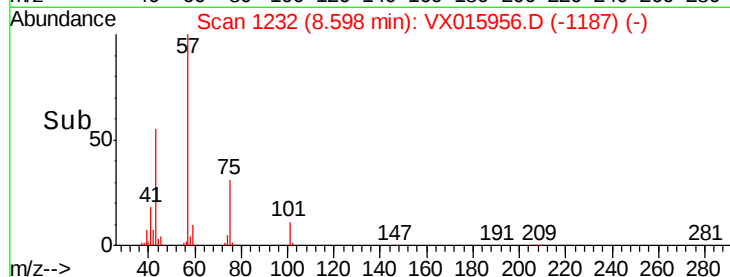
10000

5000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 6.159 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

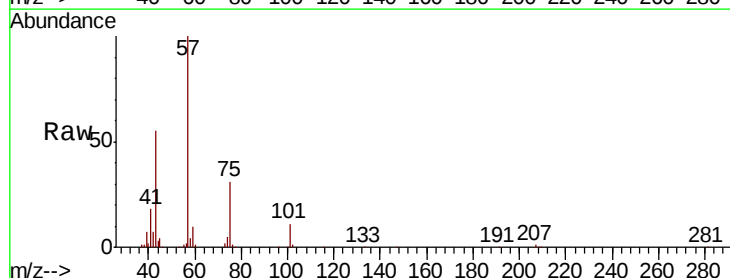
Tgt Ion: 75 Resp: 19230

Ion Ratio Lower Upper

75 100

77 1.0 25.8 38.8#

39 22.4 37.2 55.8#



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

15000

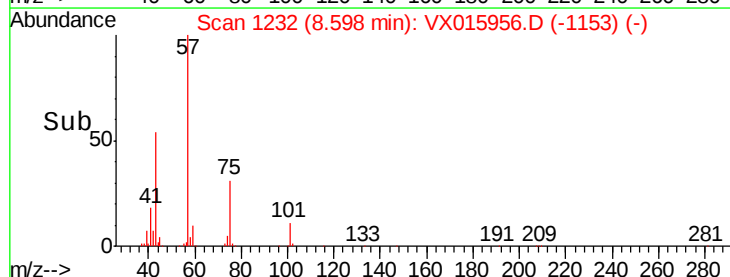
10000

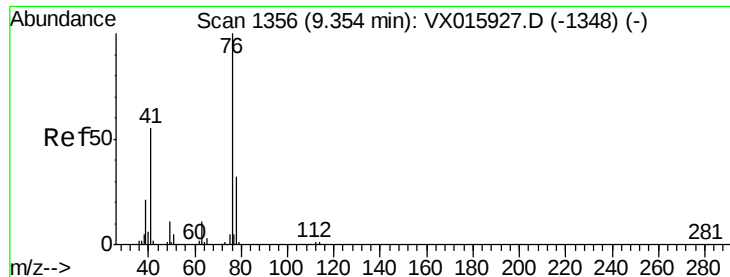
5000

0

8.50 8.55 8.60 8.65 8.70

Time-->





#57

1,3-Dichloropropane

Concen: 1.055 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

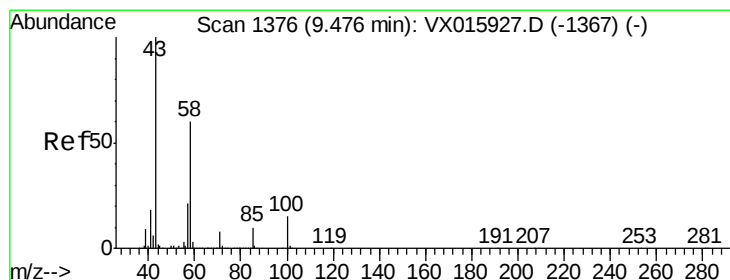
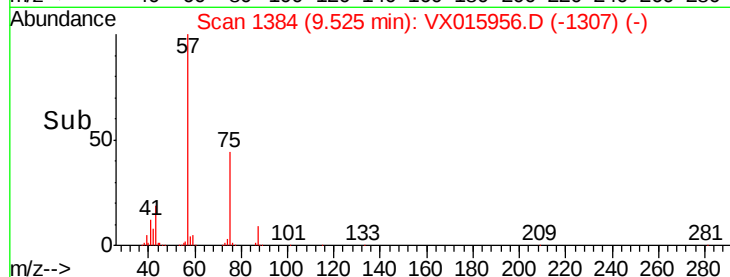
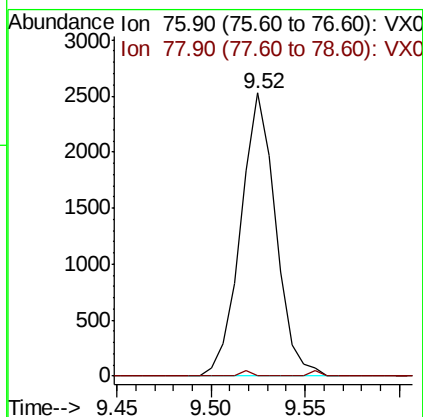
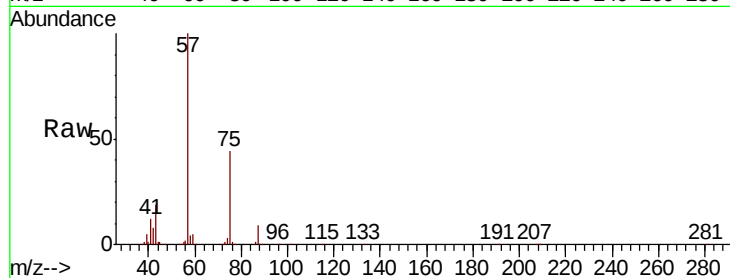
SP1-A

Tot Ion: 76 Resp: 3255

Ion Ratio Lower Upper

76 100

78 0.6 25.6 38.4#



#59

2-Hexanone

Concen: 22.576 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX015956.D

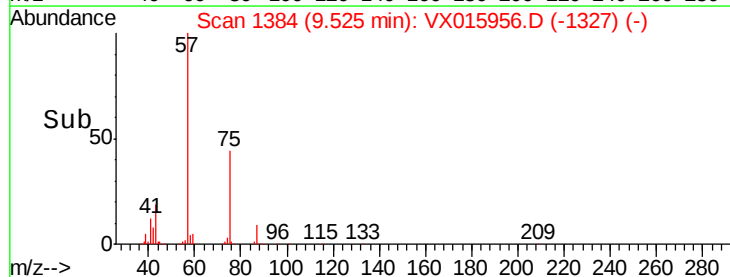
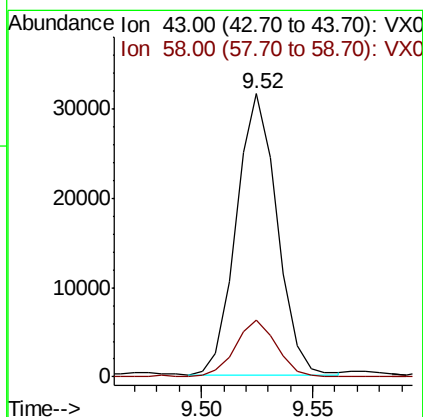
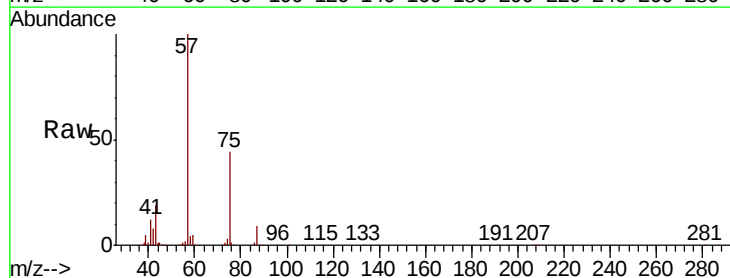
Acq: 25 Apr 2020 01:01

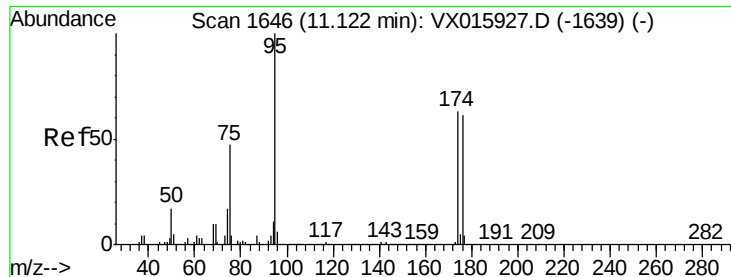
Tgt Ion: 43 Resp: 40277

Ion Ratio Lower Upper

43 100

58 20.4 29.7 89.1#





#62

4-Bromofluorobenzene

Concen: 56.262 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

SP1-A

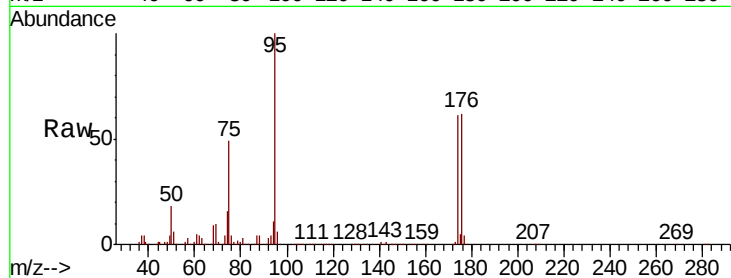
Tot Ion: 95 Resp: 134271

Ion Ratio Lower Upper

95 100

174 65.2 0.0 133.6

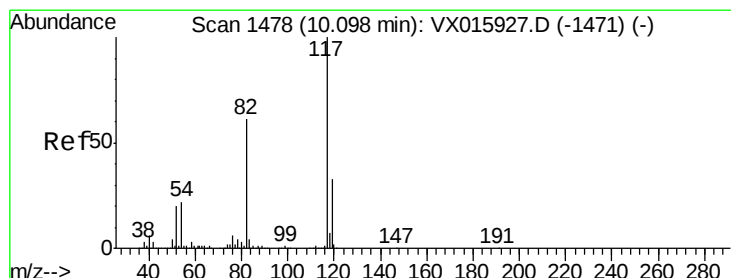
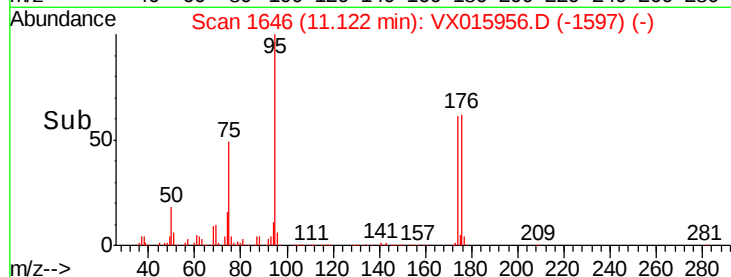
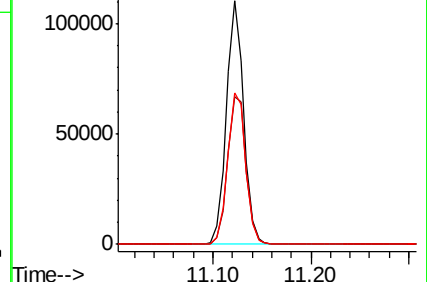
176 65.2 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VX015927.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX015927.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX015927.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

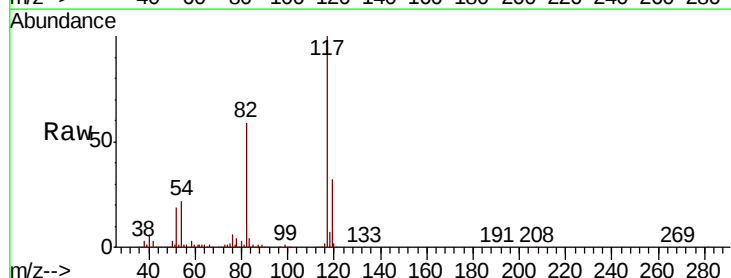
Tgt Ion: 117 Resp: 252220

Ion Ratio Lower Upper

117 100

82 59.3 48.5 72.7

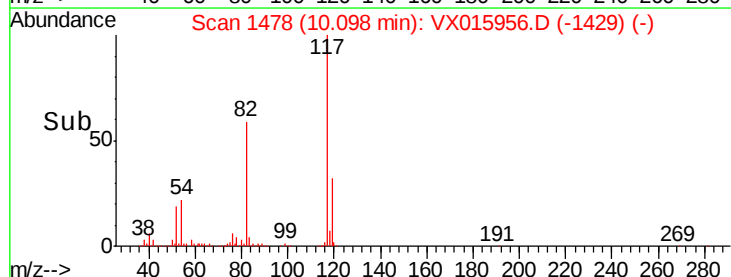
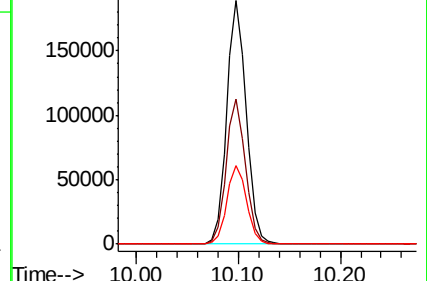
119 32.3 26.2 39.4

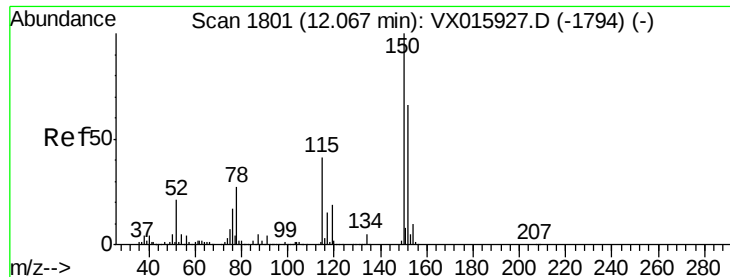


Abundance Ion 116.90 (116.60 to 117.60): VX015927.D (-1471) (-)

Ion 82.00 (81.70 to 82.70): VX015927.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX015927.D (-1471) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

Instrument :

MSVOA_X

ClientSampleId :

SP1-A

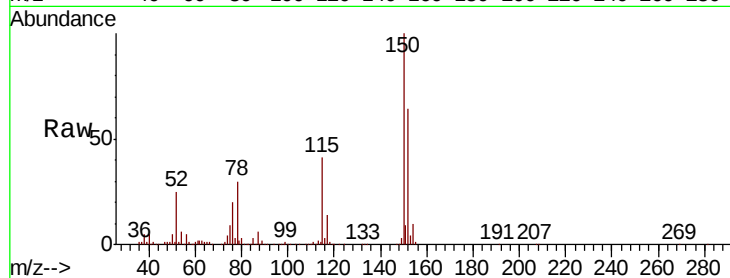
Tot Ion:152 Resp: 122766

Ion Ratio Lower Upper

152 100

115 63.5 44.1 132.4

150 155.7 0.0 343.6

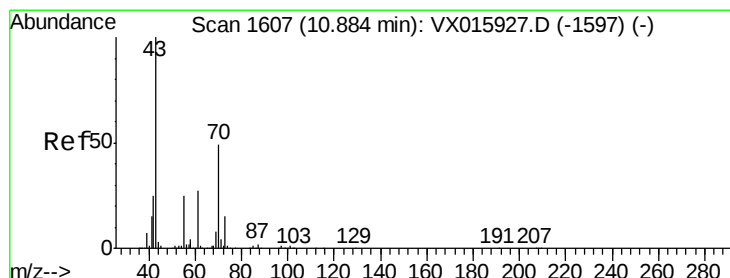
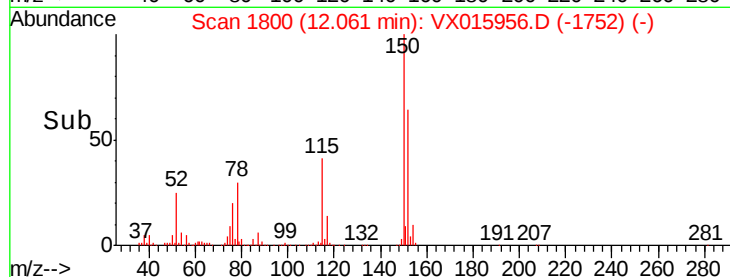
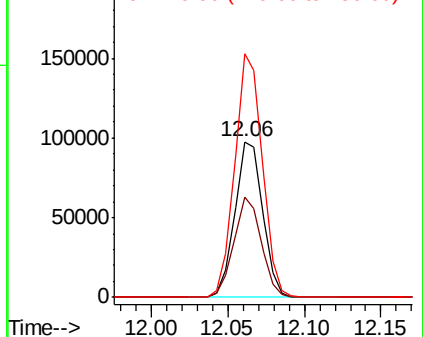


Abundance

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: 0.483 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

Tgt Ion: 43 Resp: 1913

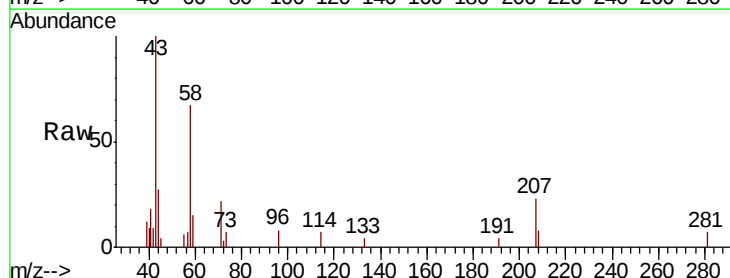
Ion Ratio Lower Upper

43 100

70 0.0 37.8 56.6#

55 8.6 20.2 30.2#

61 0.0 21.6 32.4#



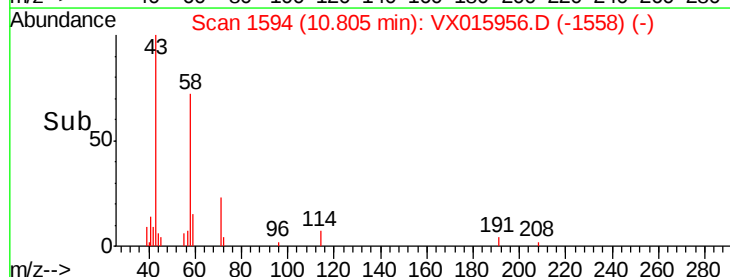
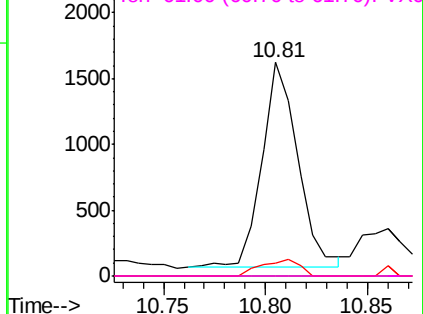
Abundance

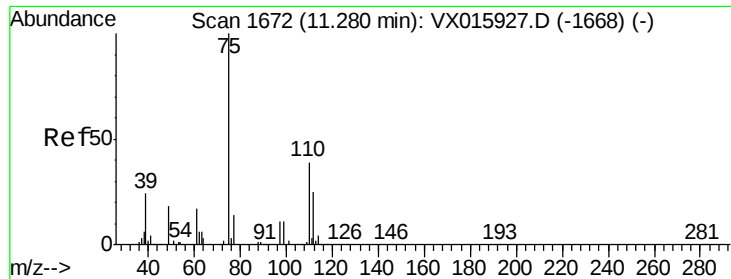
Ion 43.00 (42.70 to 43.70): VX0

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: 25.471 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

Instrument :

MSVOA_X

ClientSampled :

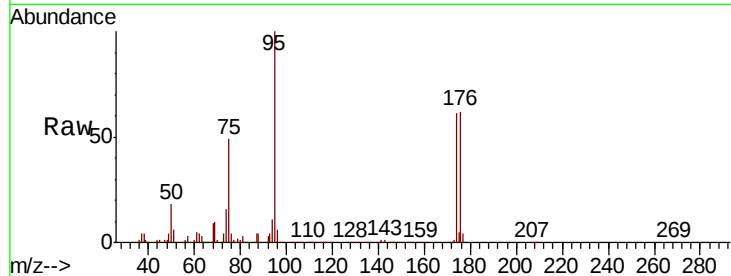
SP1-A

Tot Ion: 75 Resp: 67077

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

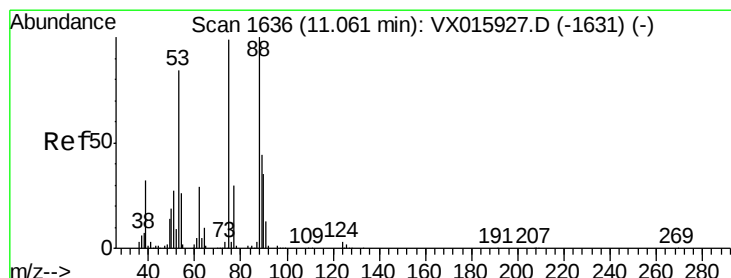
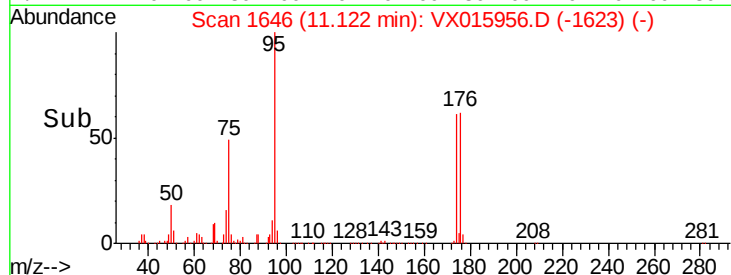
20000

10000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.377 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015956.D

Acq: 25 Apr 2020 01:01

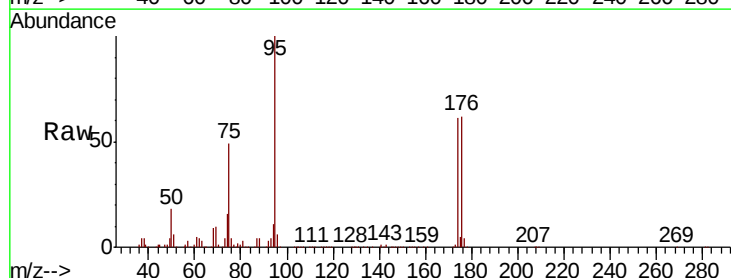
Tgt Ion: 75 Resp: 67077

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.0 36.3 54.5#



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

60000

40000

20000

0

11.10 11.20

Time-->

