

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015916.D
 Acq On : 24 Apr 2020 01:42
 Operator : JC/SP
 Sample : L2364-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30965

Quant Time: Apr 24 03:43:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	867583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1332557	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1303859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	728978	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	488134	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
35) Dibromofluoromethane	5.47	113	391497	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	8.70	98	1618051	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	11.12	95	685319	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	

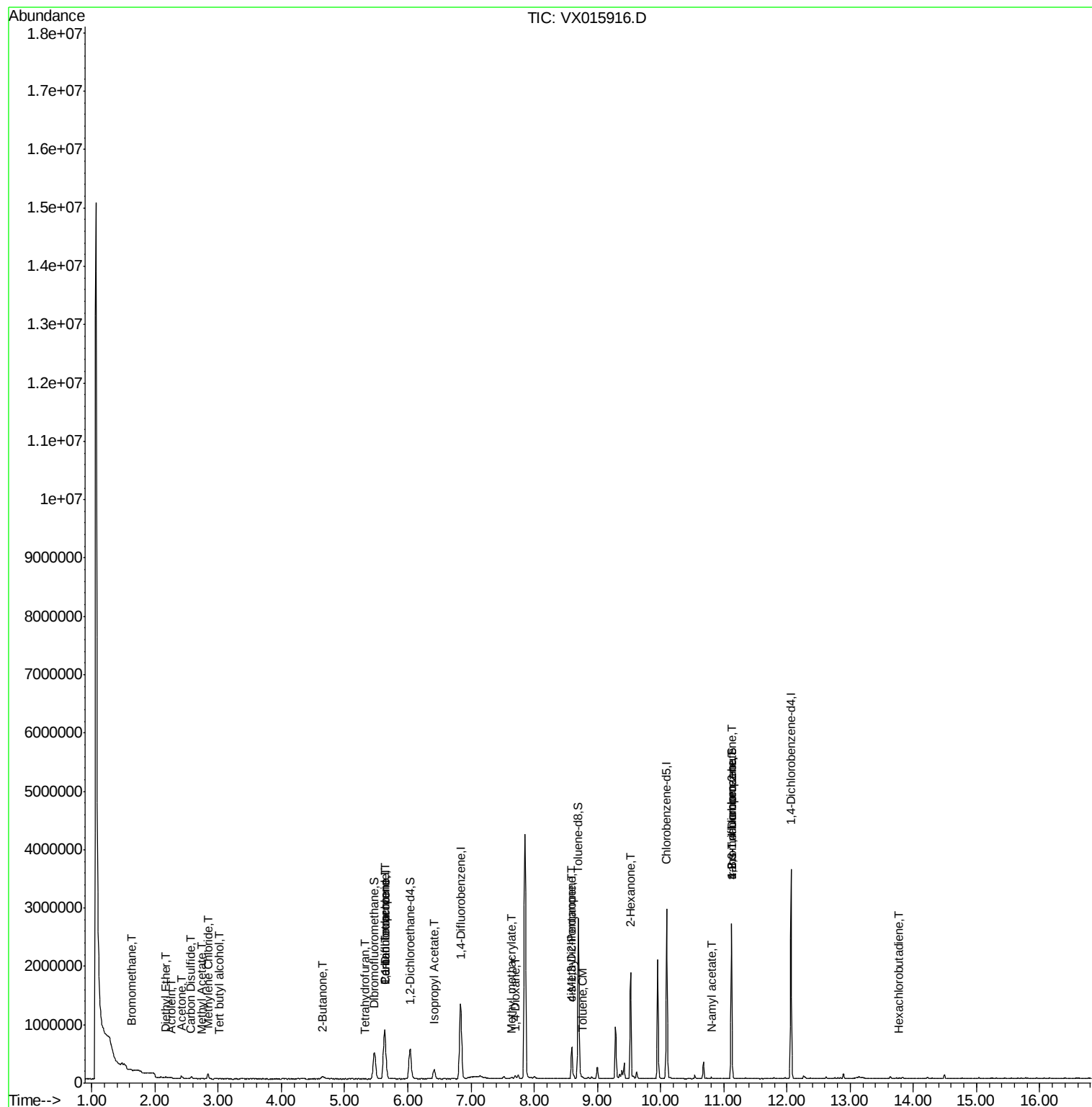
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1133	0.384	ug/l #	2
8) Diethyl Ether	2.17	74	1827	0.412	ug/l	92
11) Tert butyl alcohol	3.01	59	4401	2.183	ug/l	98
13) Acrolein	2.27	56	587	0.492	ug/l #	69
16) Acetone	2.42	43	63895	14.871	ug/l	100
17) Carbon Disulfide	2.55	76	17130	0.621	ug/l	99
18) Methyl Acetate	2.75	43	9675	0.682	ug/l	99
20) Methylene Chloride	2.84	84	41413	4.748	ug/l	98
25) 2-Butanone	4.64	43	27733	4.084	ug/l	92
29) Tetrahydrofuran	5.32	42	1030	0.229	ug/l	92
36) 1,1-Dichloropropene	5.63	75	60419	5.114	ug/l #	53
38) Carbon Tetrachloride	5.63	117	79103	6.798	ug/l #	17
43) Isopropyl Acetate	6.42	43	240252	10.130	ug/l	99
48) Methyl methacrylate	7.65	41	14555	1.248	ug/l #	19
49) 1,4-Dioxane	7.70	88	277	1.256	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	215249	15.724	ug/l #	48
52) Toluene	8.77	92	5710	0.250	ug/l	81
54) cis-1,3-Dichloropropene	8.60	75	89155	5.614	ug/l #	54
59) 2-Hexanone	9.53	43	222955	21.379	ug/l #	49
74) N-amyl acetate	10.81	43	14574	0.610	ug/l #	50
76) 1,2,3-Trichloropropane	11.12	75	333434	24.054	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	333434	57.862	ug/l #	12
94) Hexachlorobutadiene	13.77	225	1657	0.213	ug/l	80

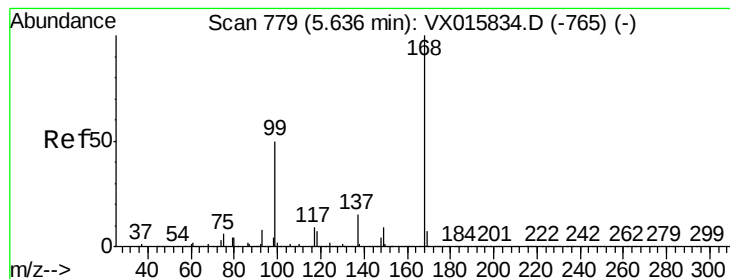
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042320\
Data File : VX015916.D
Acq On : 24 Apr 2020 01:42
Operator : JC/SP
Sample : L2364-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
30965

Quant Time: Apr 24 03:43:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

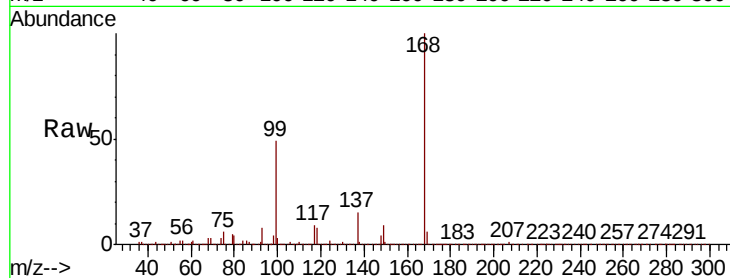
30965

Tot Ion:168 Resp: 867583

Ion Ratio Lower Upper

168 100

99 48.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

300000

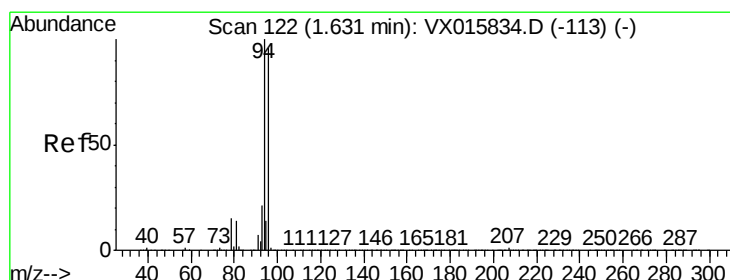
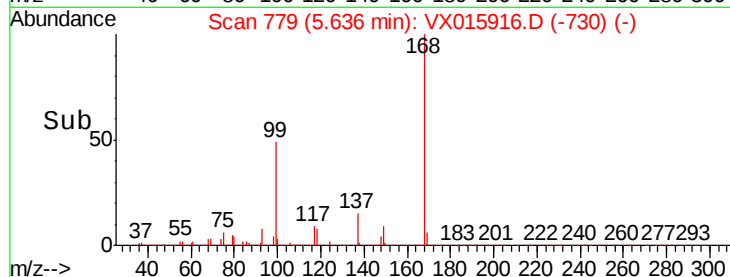
200000

100000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.384 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015916.D

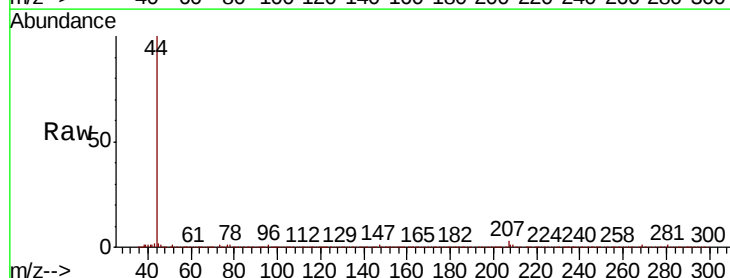
Acq: 24 Apr 2020 01:42

Tgt Ion: 94 Resp: 1133

Ion Ratio Lower Upper

94 100

96 0.0 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1000

800

600

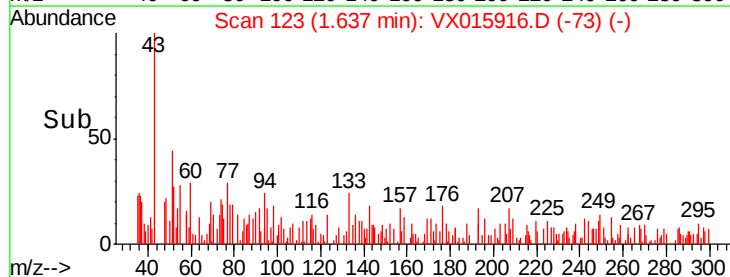
400

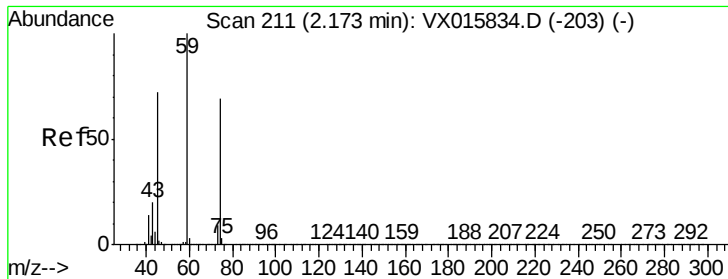
200

0

Time-->

1.60 1.62 1.64 1.66 1.68





#8

Diethyl Ether

Concen: 0.412 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

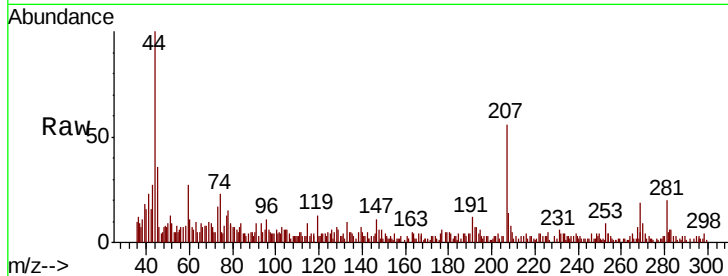
30965

Tot Ion: 74 Resp: 1827

Ion Ratio Lower Upper

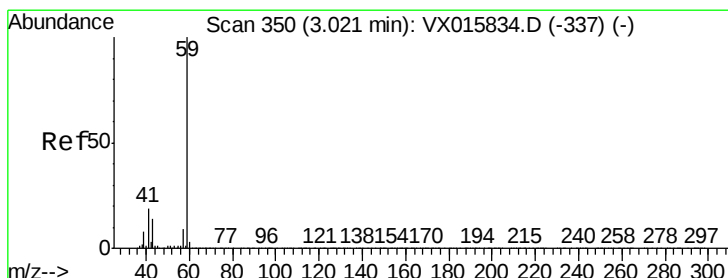
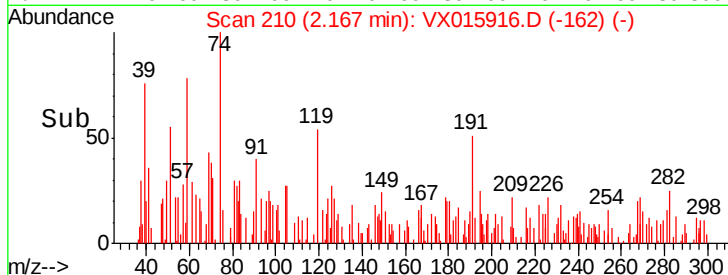
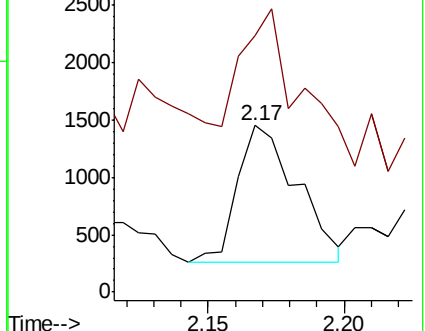
74 100

45 116.1 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 2.183 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX015916.D

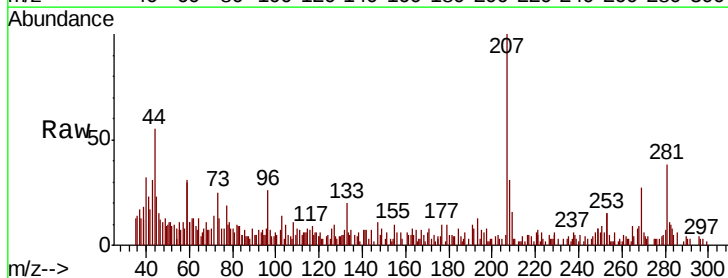
Acq: 24 Apr 2020 01:42

Tgt Ion: 59 Resp: 4401

Ion Ratio Lower Upper

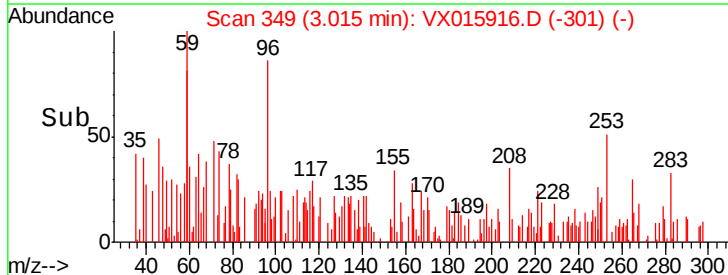
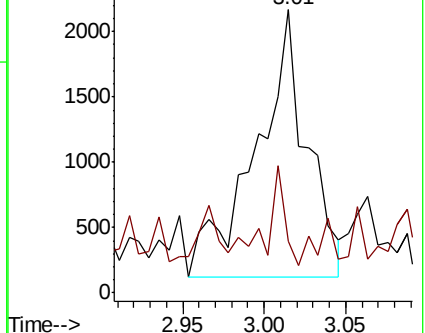
59 100

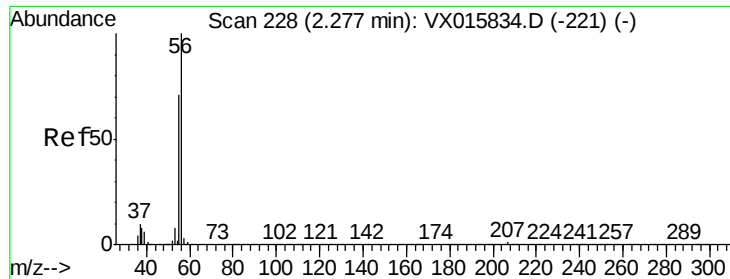
57 11.0 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

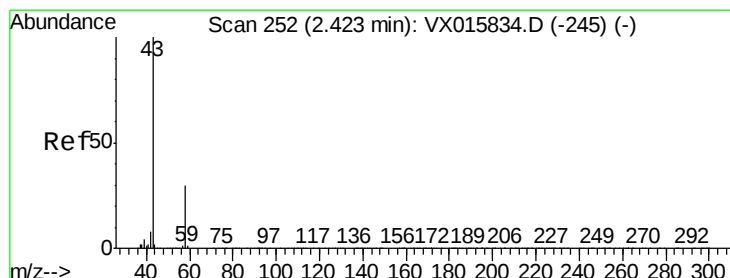
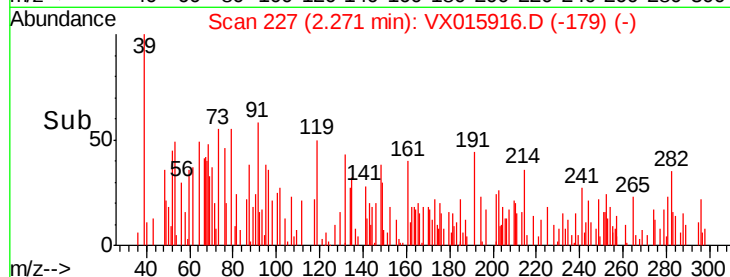
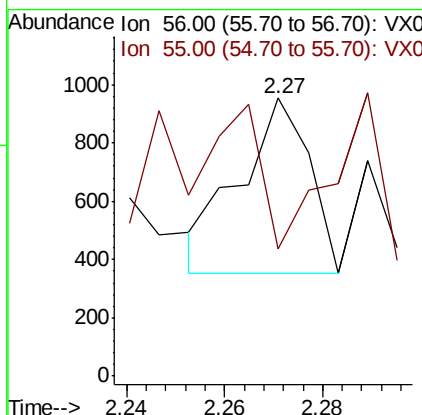
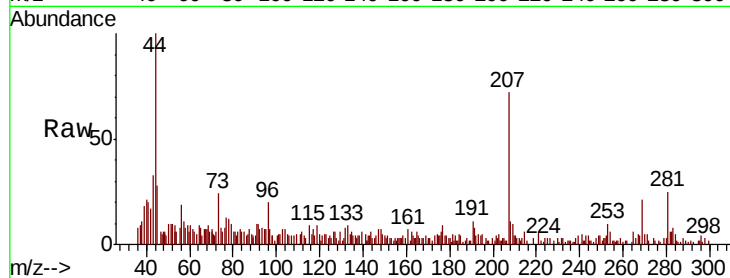




#13
Acrolein
Concen: 0.492 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX015916.D
Acq: 24 Apr 2020 01:42

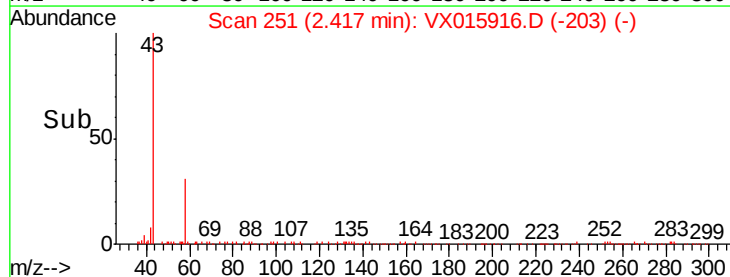
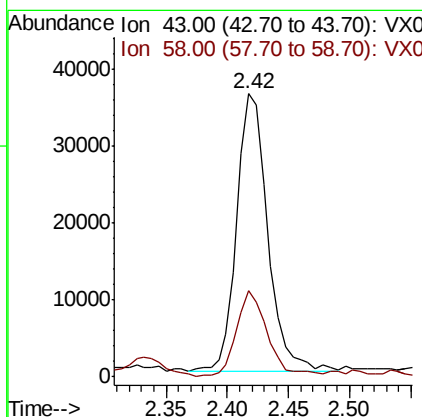
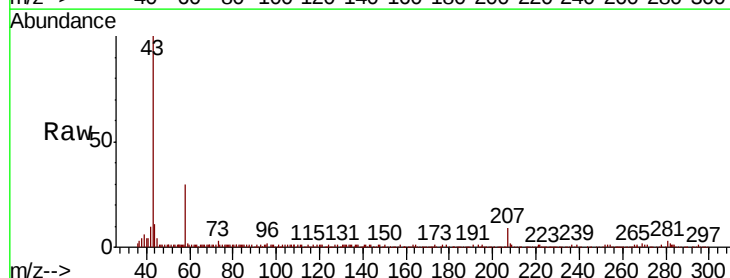
Instrument :
MSVOA_X
ClientSampled :
30965

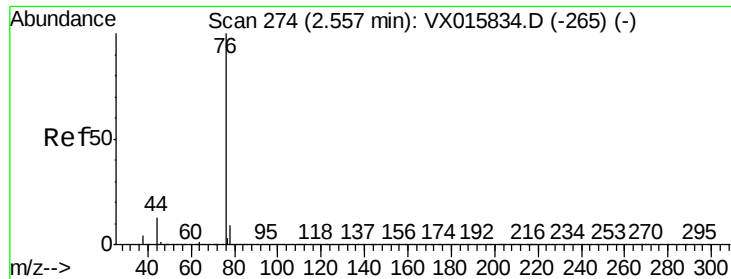
Tot Ion: 56 Resp: 587
Ion Ratio Lower Upper
56 100
55 95.9 56.1 84.1#



#16
Acetone
Concen: 14.871 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.01 min
Lab File: VX015916.D
Acq: 24 Apr 2020 01:42

Tgt Ion: 43 Resp: 63895
Ion Ratio Lower Upper
43 100
58 30.1 24.0 36.0





#17

Carbon Disulfide

Concen: 0.621 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

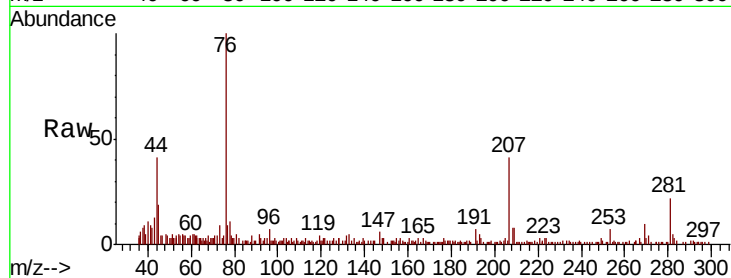
30965

Tot Ion: 76 Resp: 17130

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

10000

8000

6000

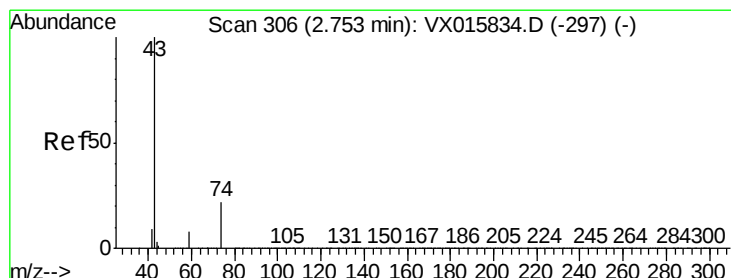
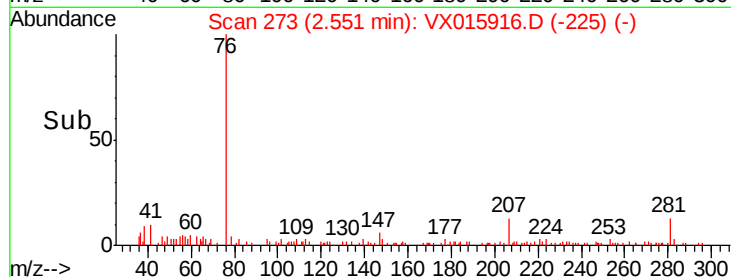
4000

2000

0

Time-->

2.50 2.55 2.60



#18

Methyl Acetate

Concen: 0.682 ug/l

RT: 2.75 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX015916.D

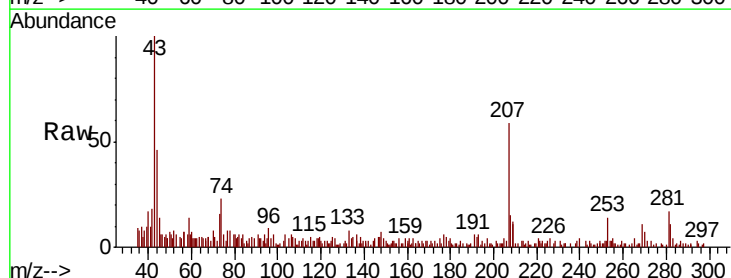
Acq: 24 Apr 2020 01:42

Tgt Ion: 43 Resp: 9675

Ion Ratio Lower Upper

43 100

74 21.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

6000

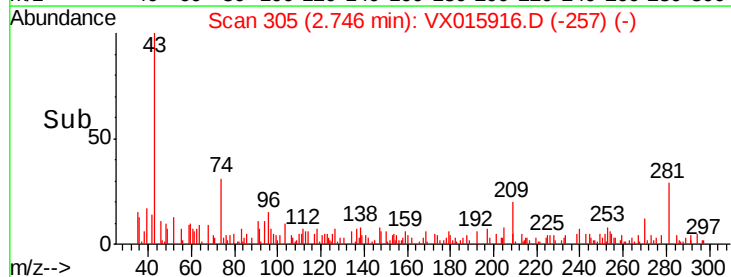
4000

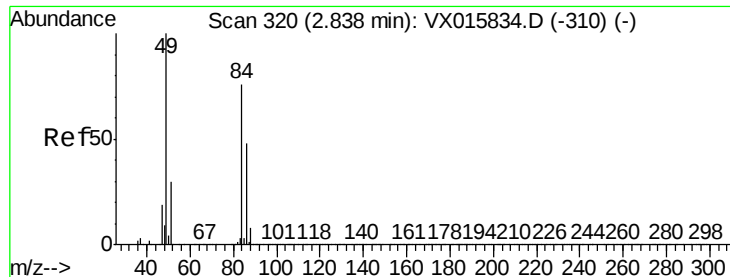
2000

0

Time-->

2.70 2.75 2.80

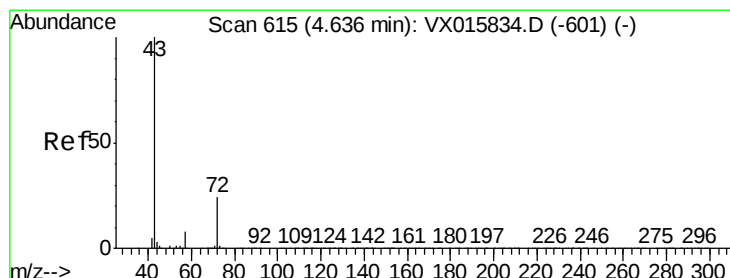
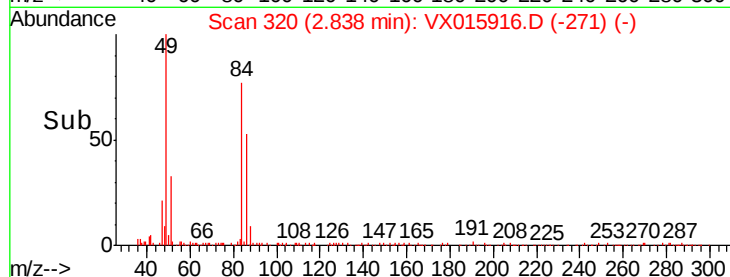
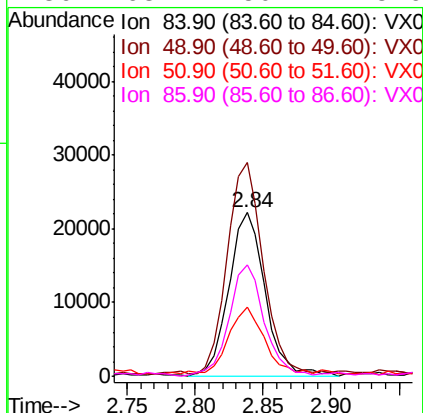
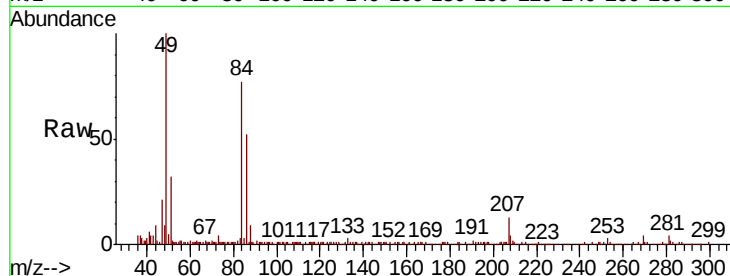




#20
Methvlene Chloride
Concen: 4.748 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.00 min
Lab File: VX015916.D
Acq: 24 Apr 2020 01:42

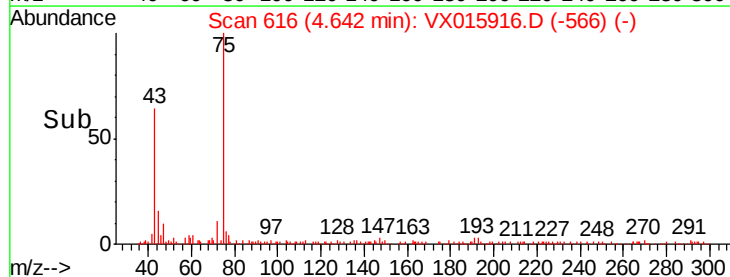
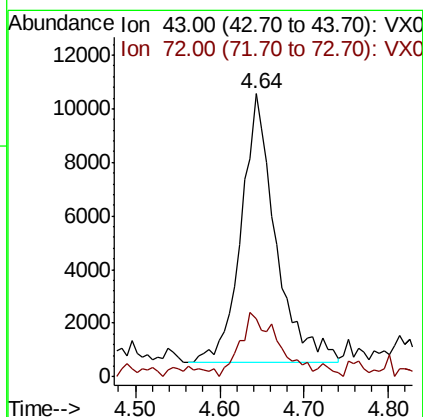
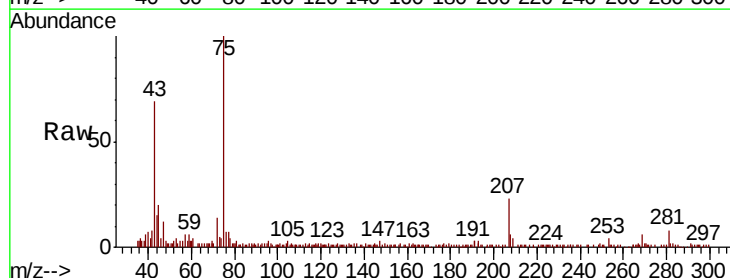
Instrument :
MSVOA_X
ClientSampleId :
30965

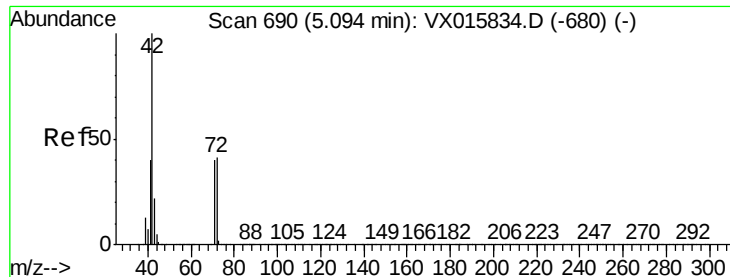
Tot Ion:	84	Resp:	41413
Ion	Ratio	Lower	Upper
84	100		
49	130.4	104.9	157.3
51	41.0	32.0	48.0
86	68.1	50.4	75.6



#25
2-Butanone
Concen: 4.084 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015916.D
Acq: 24 Apr 2020 01:42

Tgt Ion:	43	Resp:	27733
Ion	Ratio	Lower	Upper
43	100		
72	20.3	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 5.32 min Scan# 727

Delta R.T. 0.23 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampled :

30965

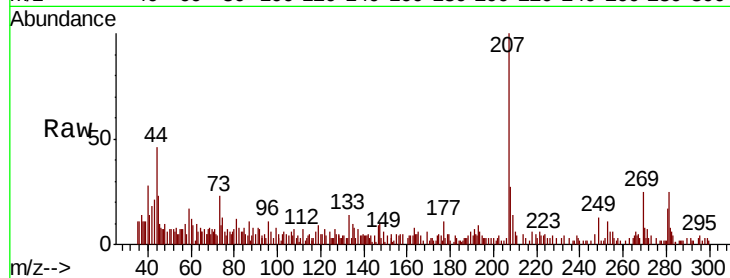
Tot Ion: 42 Resp: 1030

Ion Ratio Lower Upper

42 100

72 44.7 33.0 49.6

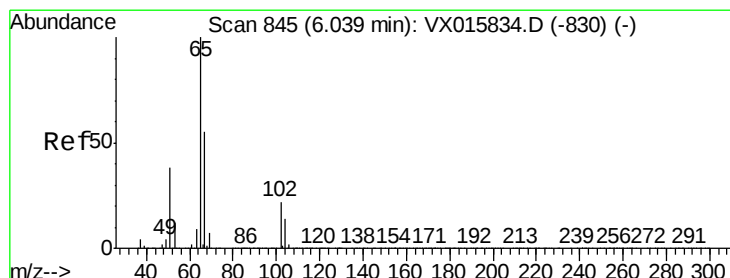
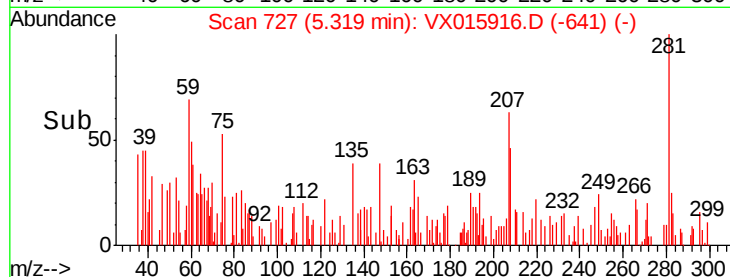
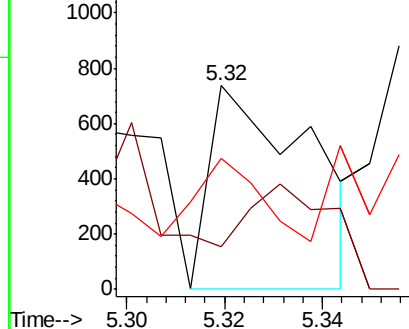
71 31.5 30.6 45.8



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



#33

1,2-Dichloroethane-d4

Concen: 49.469 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.00 min

Lab File: VX015916.D

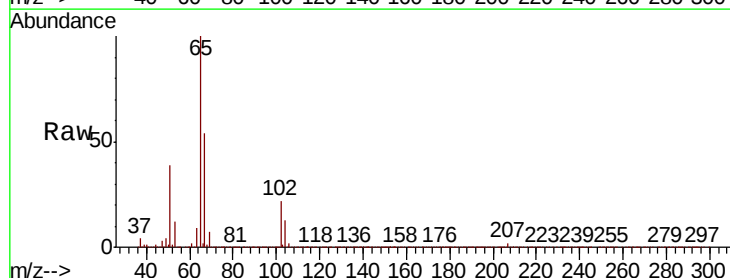
Acq: 24 Apr 2020 01:42

Tgt Ion: 65 Resp: 488134

Ion Ratio Lower Upper

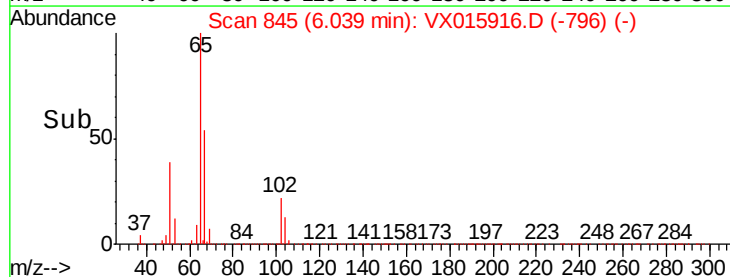
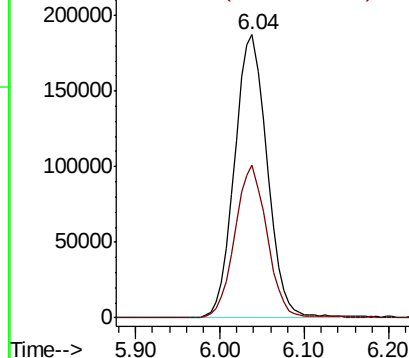
65 100

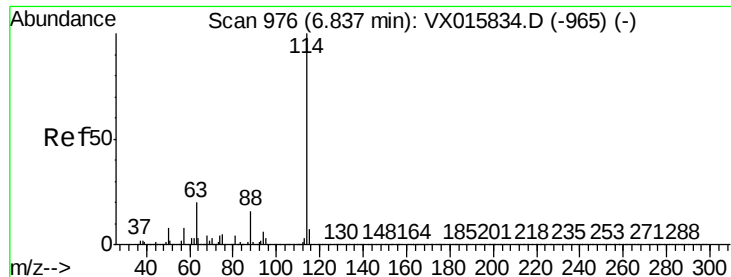
67 53.0 0.0 104.2



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# 976

Delta R.T. 0.00 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

30965

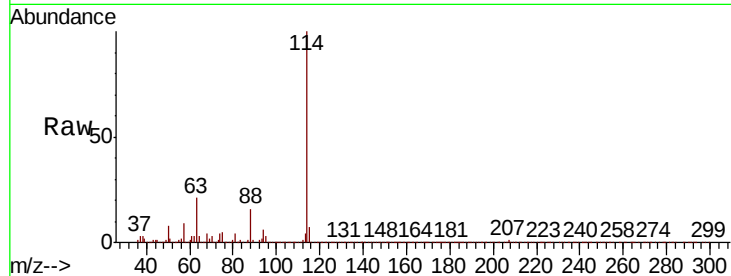
Tot Ion:114 Resp: 1332557

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

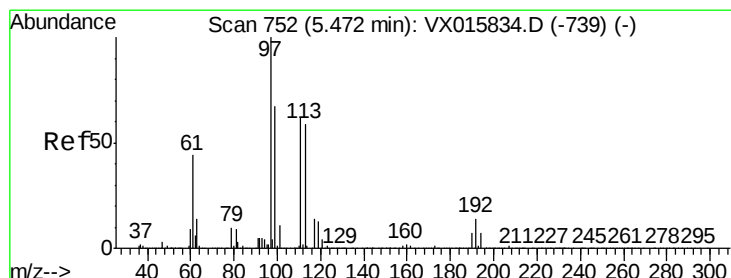
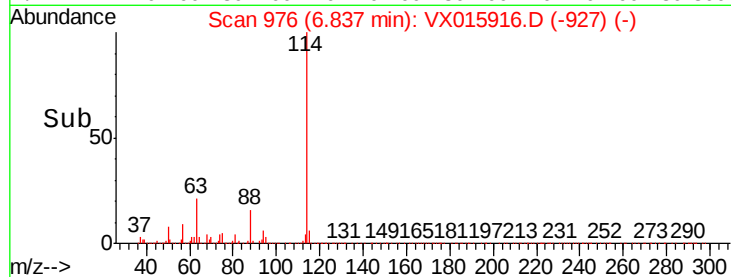
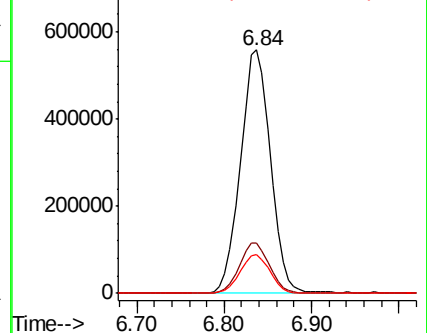
88 15.9 0.0 32.8



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: 50.898 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

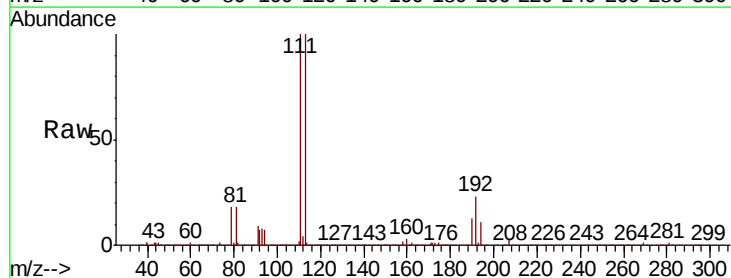
Tgt Ion:113 Resp: 391497

Ion Ratio Lower Upper

113 100

111 101.2 82.7 124.1

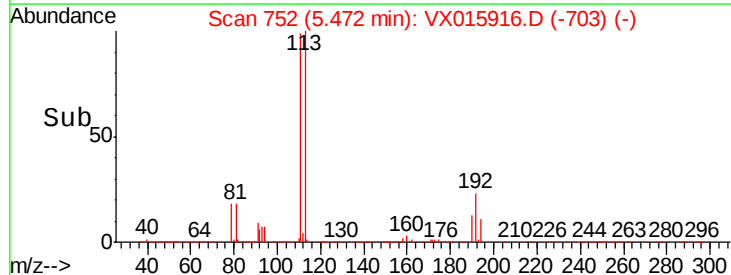
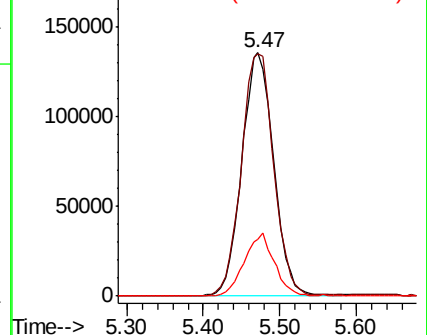
192 23.9 19.3 28.9

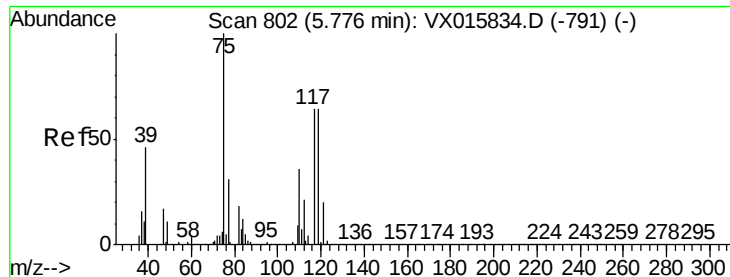


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.114 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.15 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampled :

30965

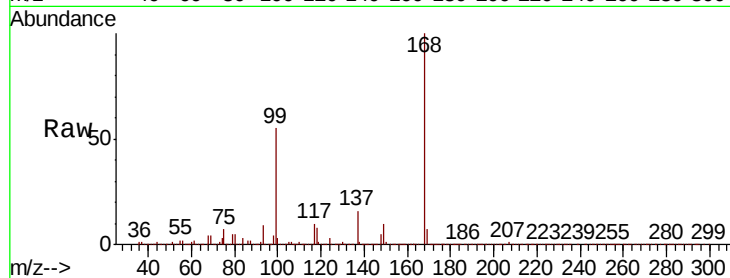
Tot Ion: 75 Resp: 60419

Ion Ratio Lower Upper

75 100

110 12.0 17.9 53.8#

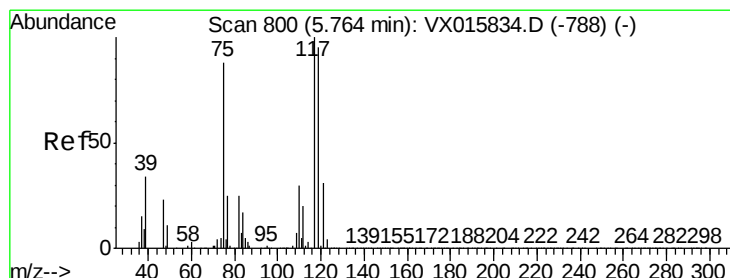
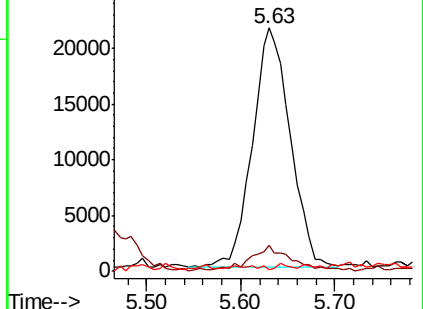
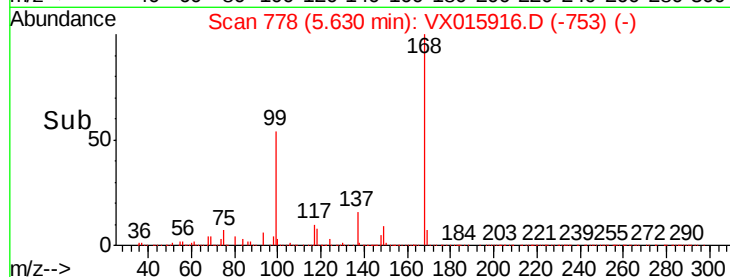
77 0.6 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VX015916.D (-753) (-)

Ion 109.90 (109.60 to 110.60): VX015916.D (-753) (-)

Ion 76.90 (76.60 to 77.60): VX015916.D (-753) (-)



#38

Carbon Tetrachloride

Concen: 6.798 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

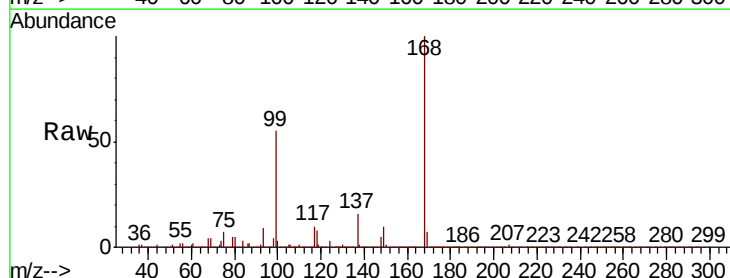
Tgt Ion: 117 Resp: 79103

Ion Ratio Lower Upper

117 100

119 4.8 75.7 113.5#

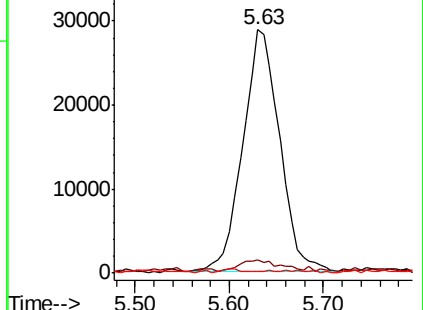
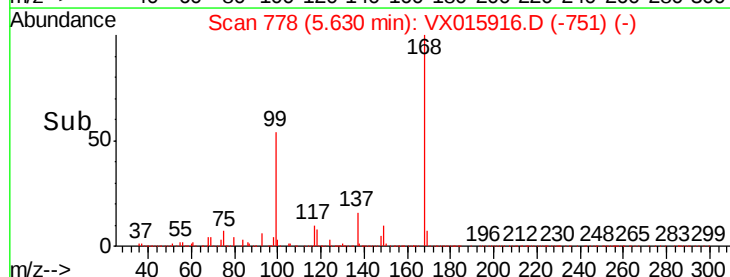
121 0.5 25.0 37.6#

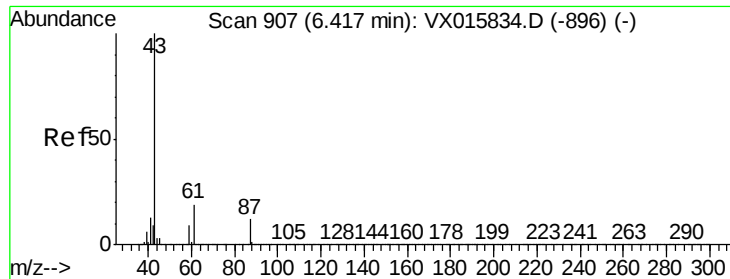


Abundance Ion 116.80 (116.50 to 117.50): VX015916.D (-751) (-)

Ion 118.80 (118.50 to 119.50): VX015916.D (-751) (-)

Ion 120.80 (120.50 to 121.50): VX015916.D (-751) (-)



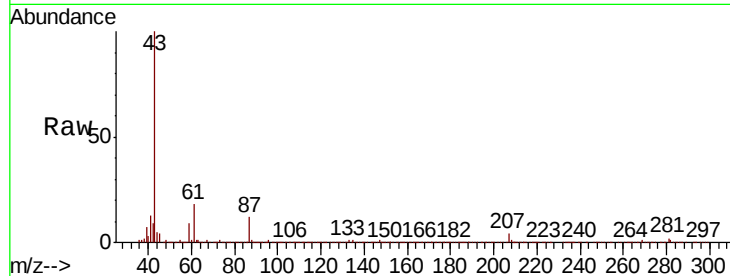


#43

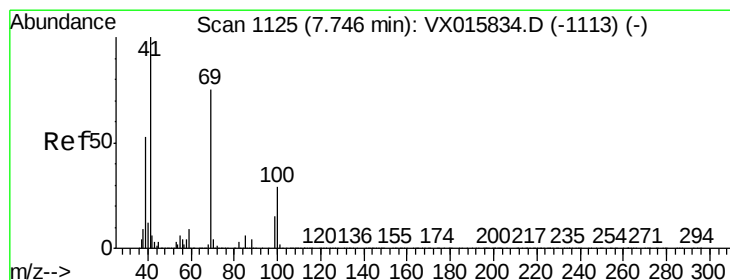
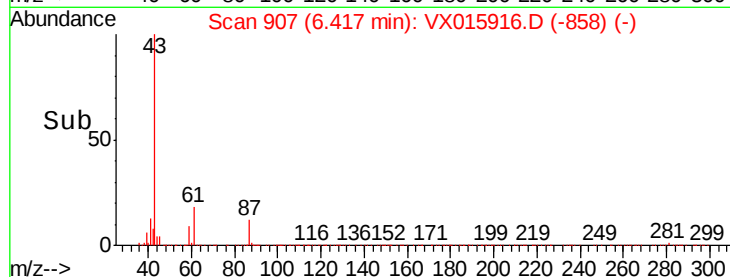
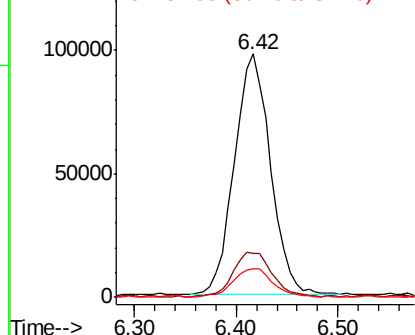
Isopropyl Acetate
 Concen: 10.130 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015916.D
 Acq: 24 Apr 2020 01:42

Instrument :
 MSVOA_X
 ClientSampled :
 30965

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.4	23.2
87	12.8	9.8	14.6



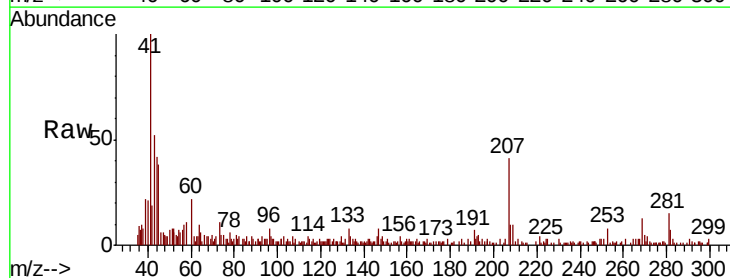
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



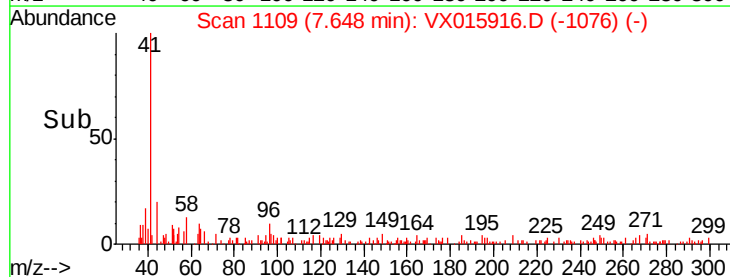
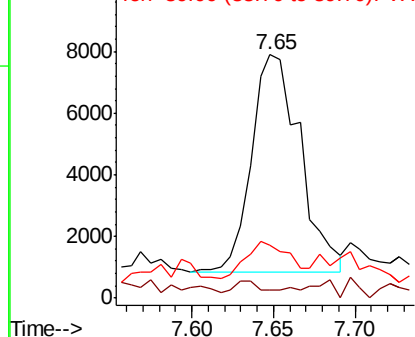
#48

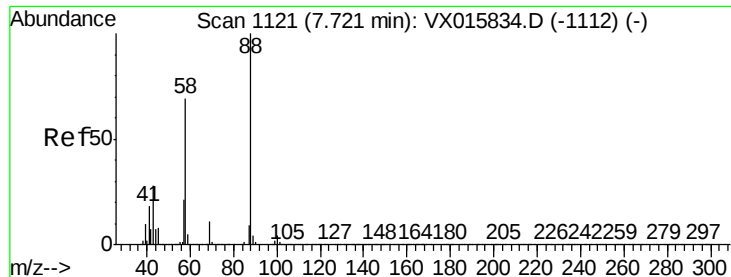
Methyl methacrylate
 Concen: 1.248 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.10 min
 Lab File: VX015916.D
 Acq: 24 Apr 2020 01:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	2.6	60.5	90.7#
39	0.0	42.1	63.1#



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

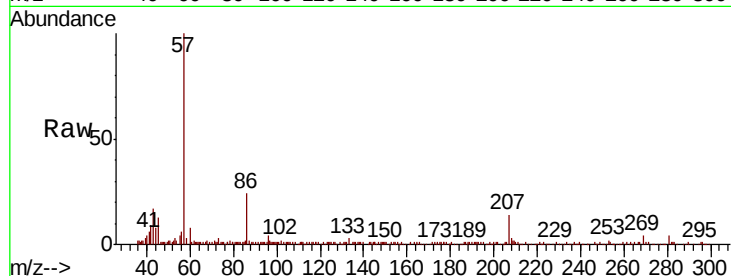




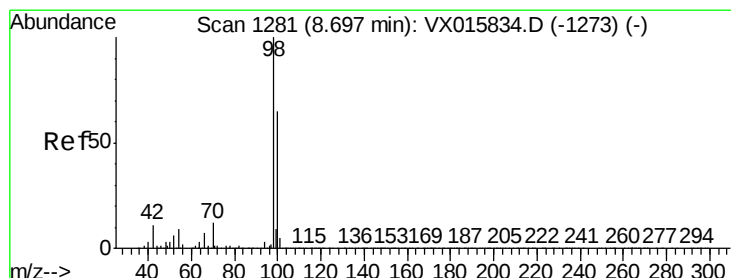
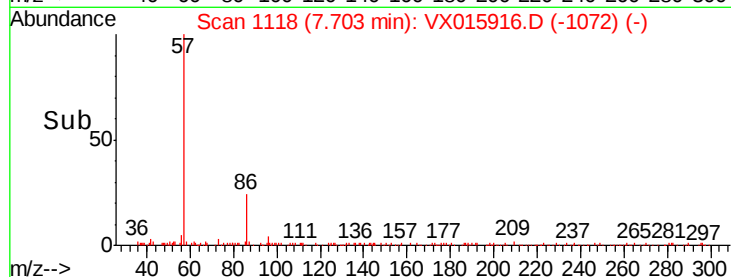
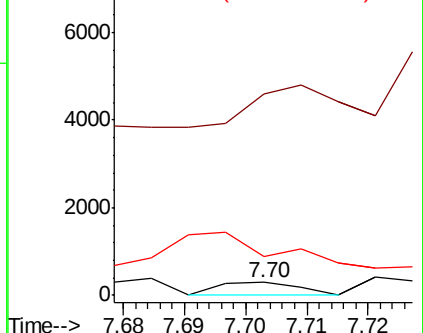
#49
1,4-Dioxane
Concen: 1.256 ug/l
RT: 7.70 min Scan# 1118
Delta R.T. -0.02 min
Lab File: VX015916.D
Acq: 24 Apr 2020 01:42

Instrument :
MSVOA_X
ClientSampleId :
30965

Tot Ion: 88 Resp: 277
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 911.9 58.9 88.3#

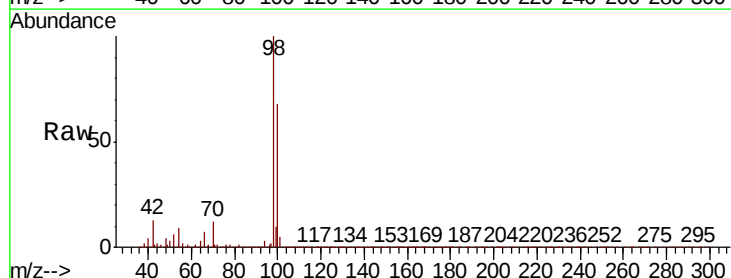


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

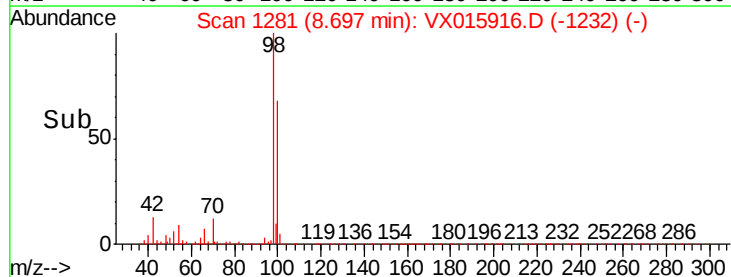
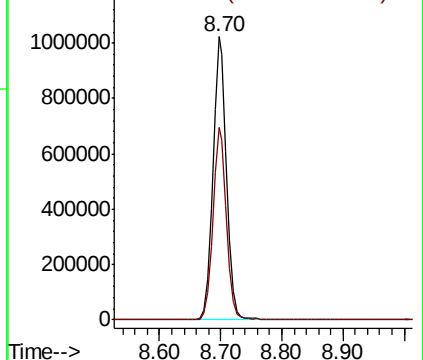


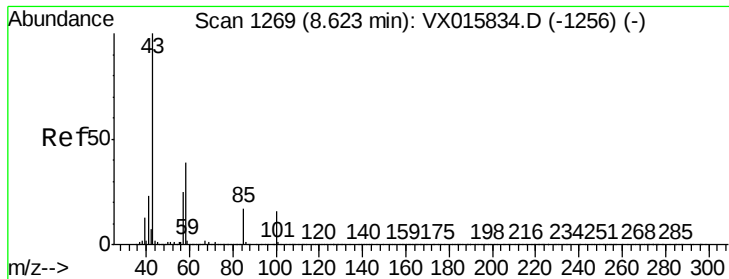
#50
Toluene-d8
Concen: 52.255 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015916.D
Acq: 24 Apr 2020 01:42

Tgt Ion: 98 Resp: 1618051
Ion Ratio Lower Upper
98 100
100 67.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

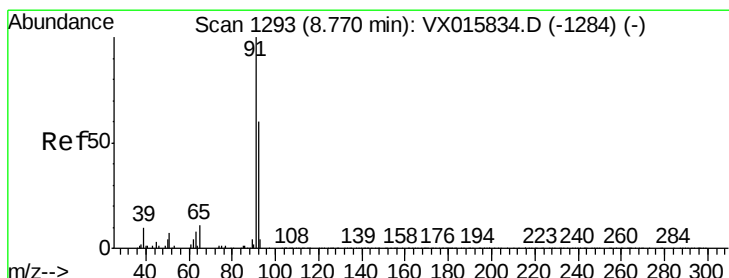
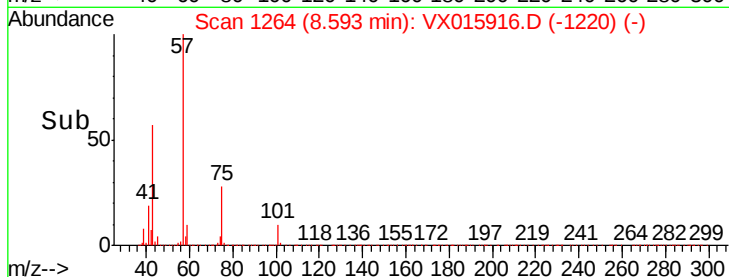
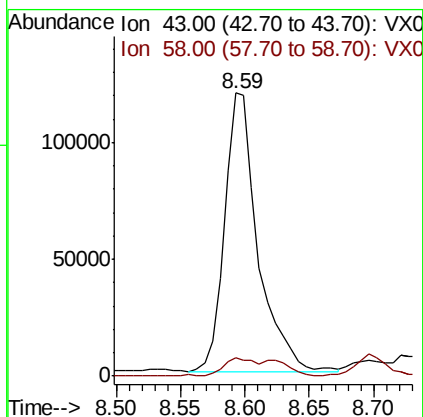
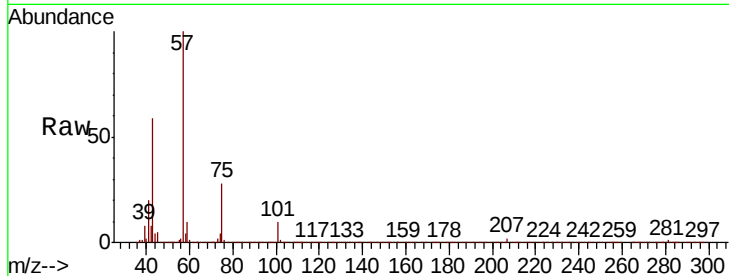




#51
4-Methyl-2-Pentanone
Concen: 15.724 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015916.D
Acq: 24 Apr 2020 01:42

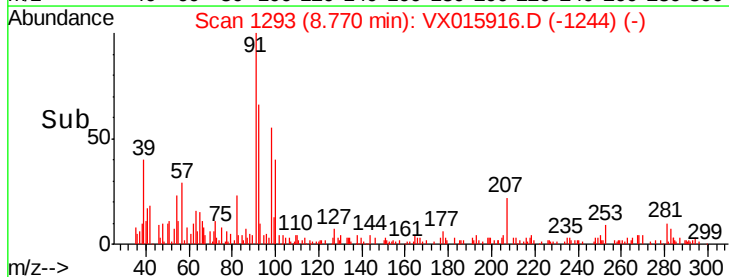
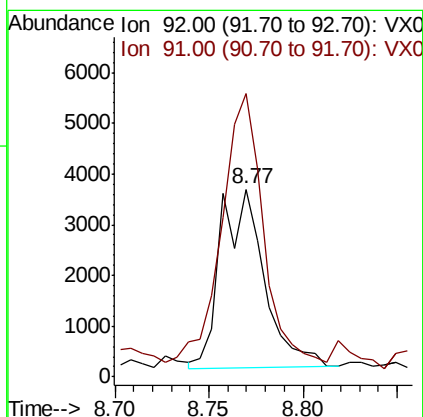
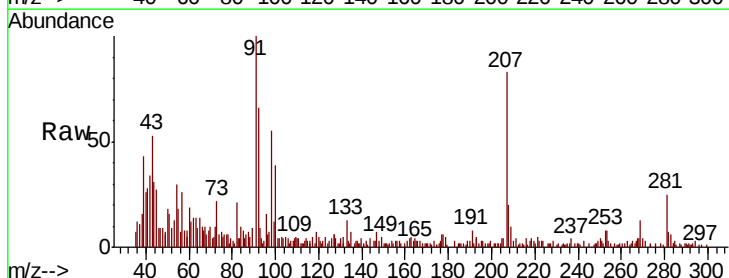
Instrument :
MSVOA_X
ClientSampled :
30965

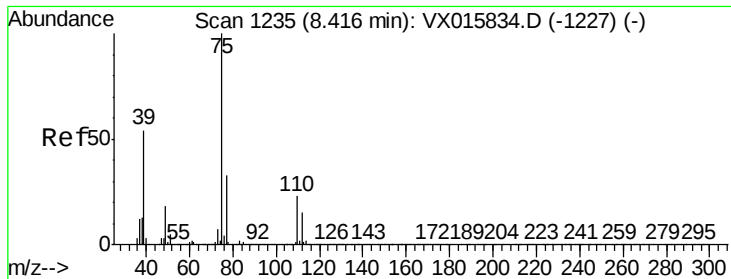
Tot Ion: 43 Resp: 215249
Ion Ratio Lower Upper
43 100
58 6.7 30.6 45.8#



#52
Toluene
Concen: 0.250 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX015916.D
Acq: 24 Apr 2020 01:42

Tgt Ion: 92 Resp: 5710
Ion Ratio Lower Upper
92 100
91 140.3 133.4 200.0



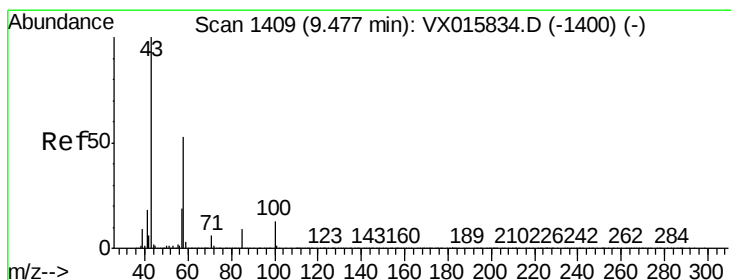
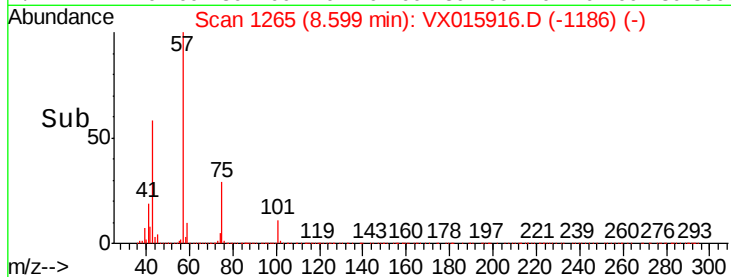
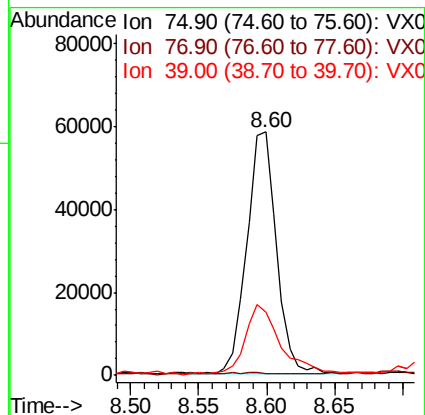
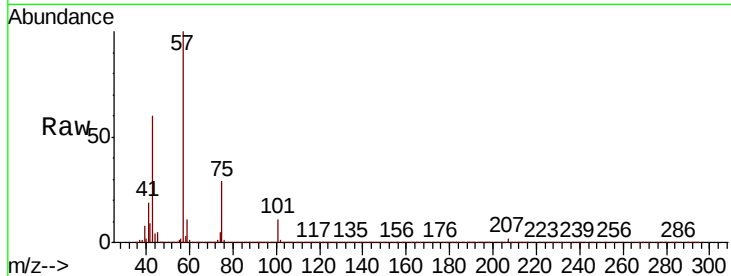


#54

cis-1,3-Dichloropropene
 Concen: 5.614 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. 0.18 min
 Lab File: VX015916.D
 Acq: 24 Apr 2020 01:42

Instrument :
 MSVOA_X
 ClientSampleId :
 30965

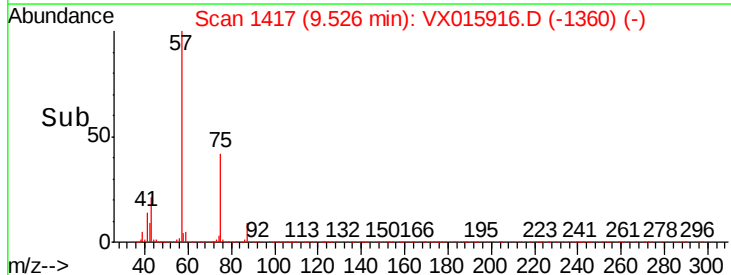
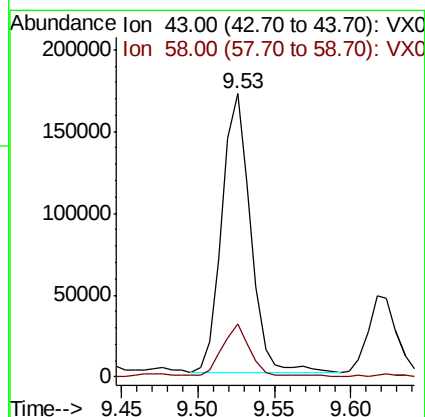
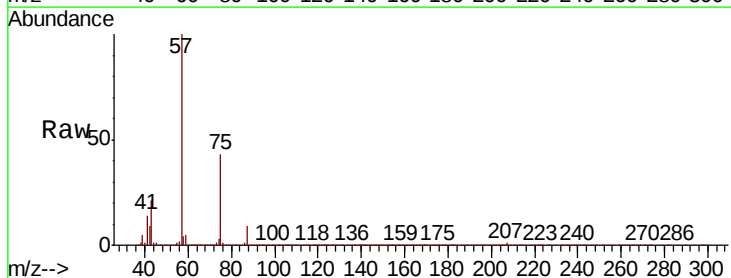
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.2	26.0	39.0#
39	25.3	42.8	64.2#

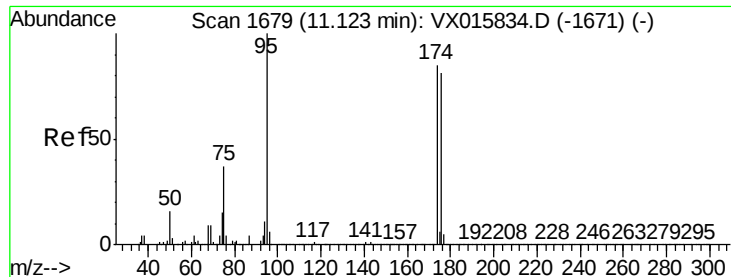


#59

2-Hexanone
 Concen: 21.379 ug/l
 RT: 9.53 min Scan# 1417
 Delta R.T. 0.05 min
 Lab File: VX015916.D
 Acq: 24 Apr 2020 01:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	17.0	26.5	79.4#

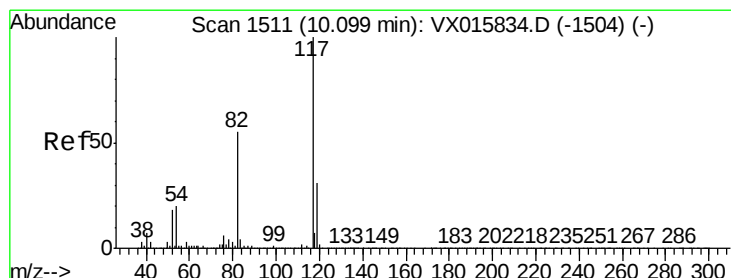
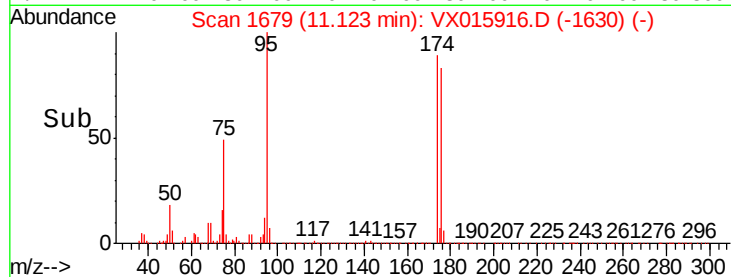
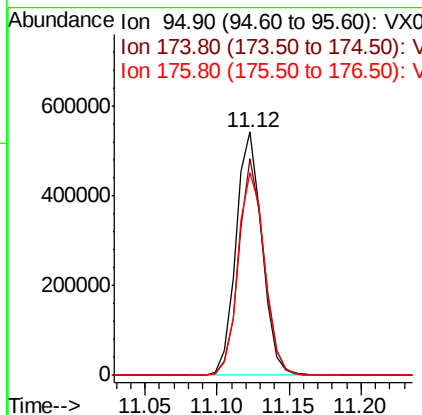
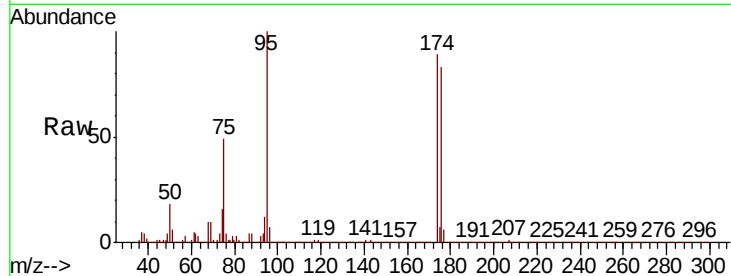




#62
4-Bromofluorobenzene
Concen: 53.951 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015916.D
Acq: 24 Apr 2020 01:42

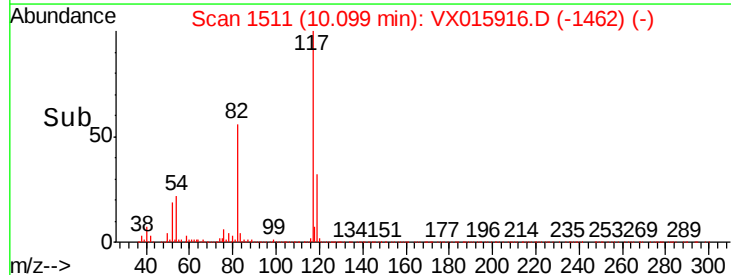
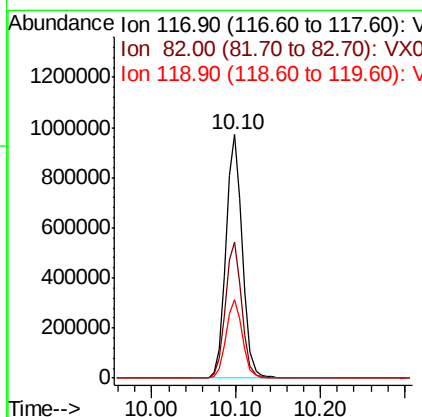
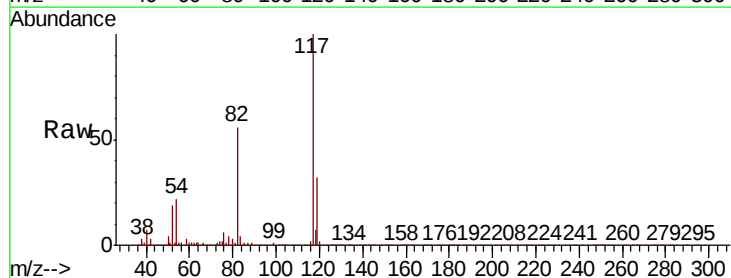
Instrument :
MSVOA_X
ClientSampleId :
30965

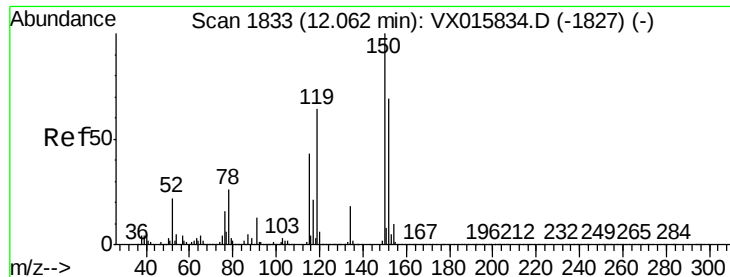
Tot Ion: 95 Resp: 685319
Ion Ratio Lower Upper
95 100
174 85.7 0.0 172.4
176 84.9 0.0 167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015916.D
Acq: 24 Apr 2020 01:42

Tgt Ion: 117 Resp: 1303859
Ion Ratio Lower Upper
117 100
82 55.9 43.9 65.9
119 32.3 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

30965

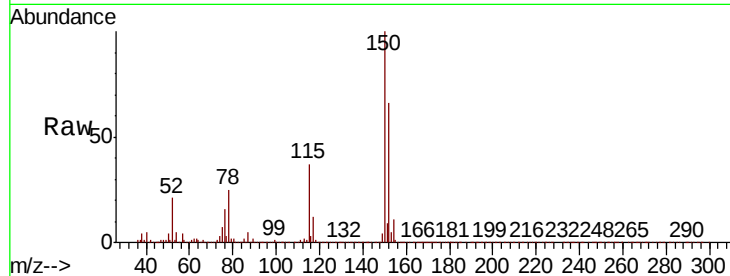
Tot Ion:152 Resp: 728978

Ion Ratio Lower Upper

152 100

115 57.1 39.0 116.9

150 155.2 0.0 336.8

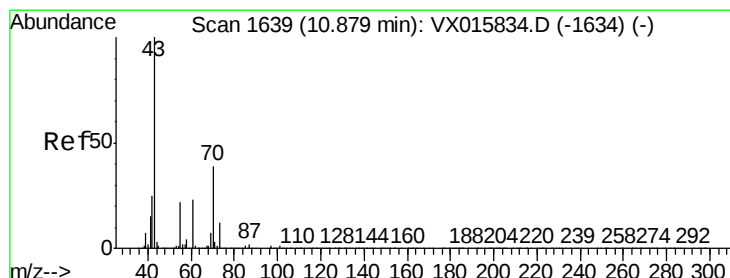
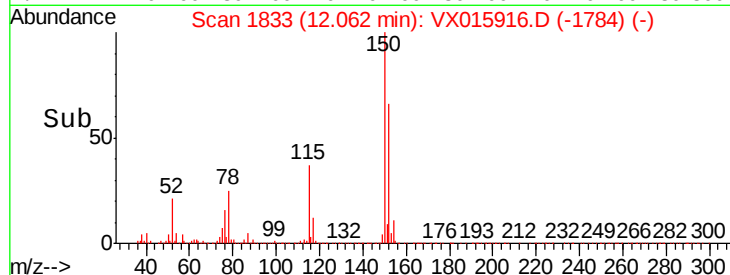
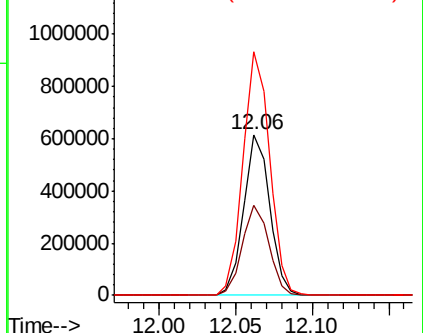


Abundance

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: 0.610 ug/l

RT: 10.81 min Scan# 1627

Delta R.T. -0.07 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

Tgt Ion: 43 Resp: 14574

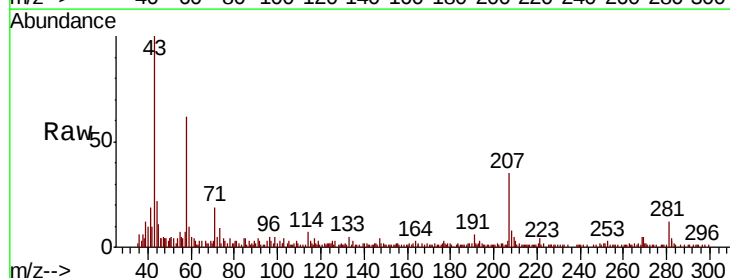
Ion Ratio Lower Upper

43 100

70 0.0 32.6 49.0#

55 10.5 18.3 27.5#

61 0.0 18.7 28.1#



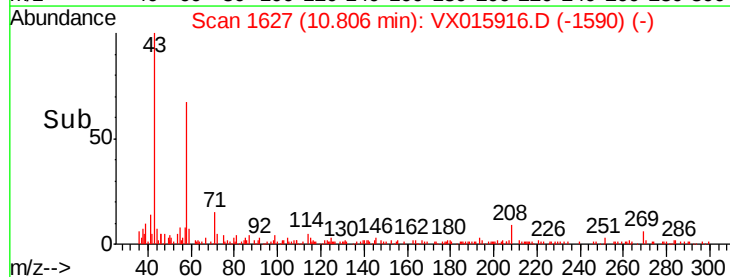
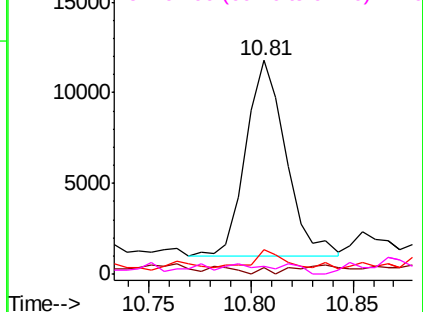
Abundance

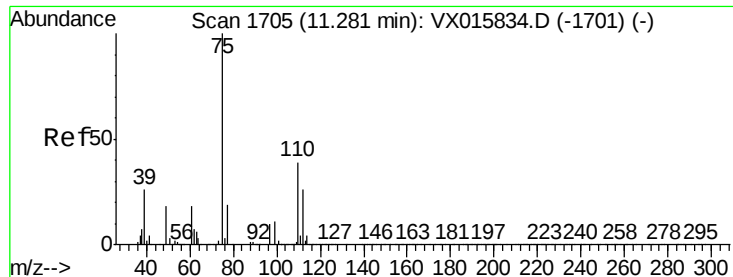
Ion 43.00 (42.70 to 43.70): VX0

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: 24.054 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

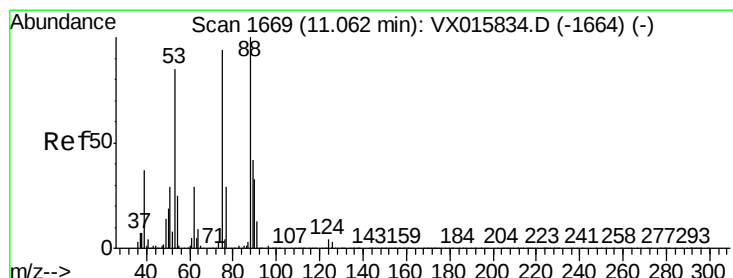
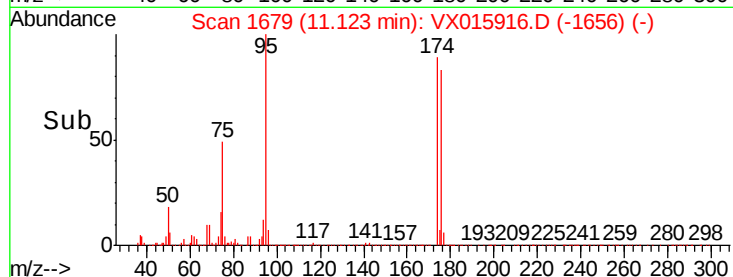
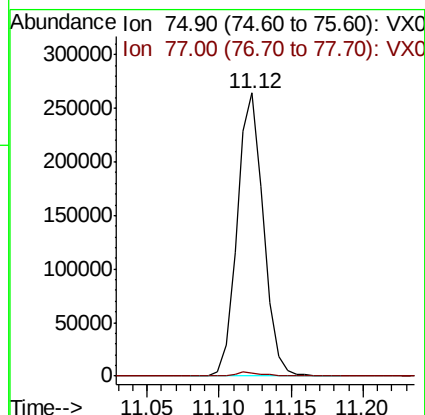
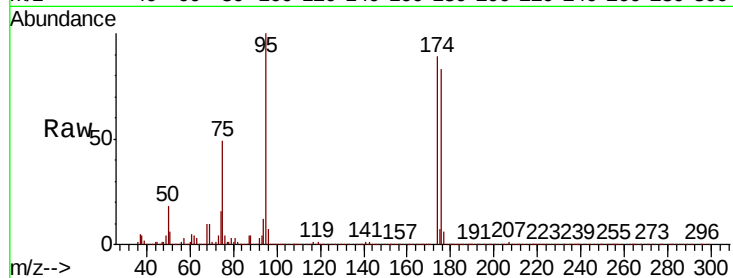
30965

Tot Ion: 75 Resp: 333434

Ion Ratio Lower Upper

75 100

77 1.5 21.3 63.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.862 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

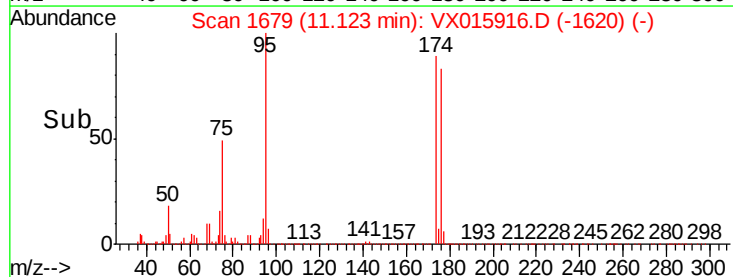
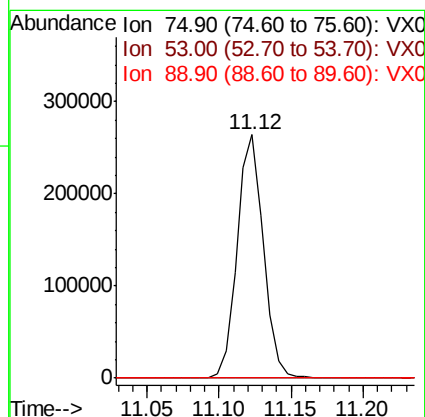
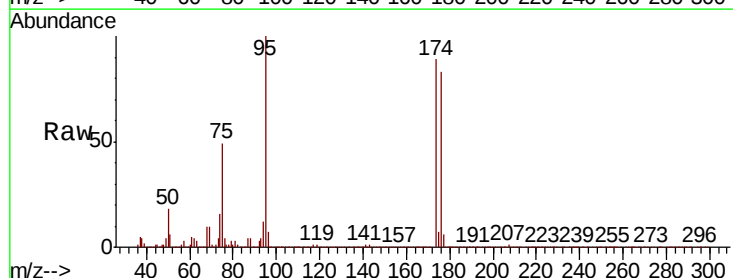
Tgt Ion: 75 Resp: 333434

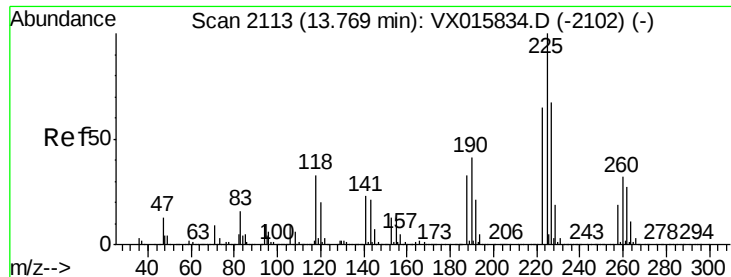
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

89 0.0 38.0 57.0#





#94

Hexachlorobutadiene

Concen: 0.213 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VX015916.D

Acq: 24 Apr 2020 01:42

Instrument :

MSVOA_X

ClientSampleId :

30965

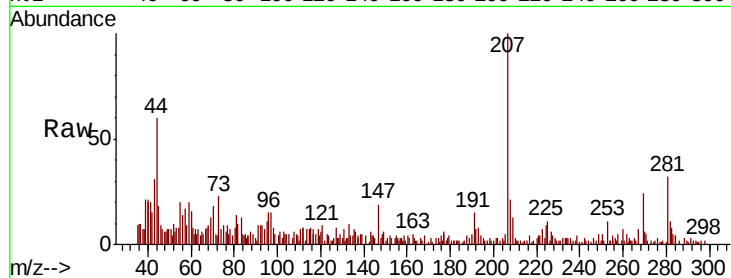
Tot Ion:225 Resp: 1657

Ion Ratio Lower Upper

225 100

223 47.1 31.3 93.8

227 49.9 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

