

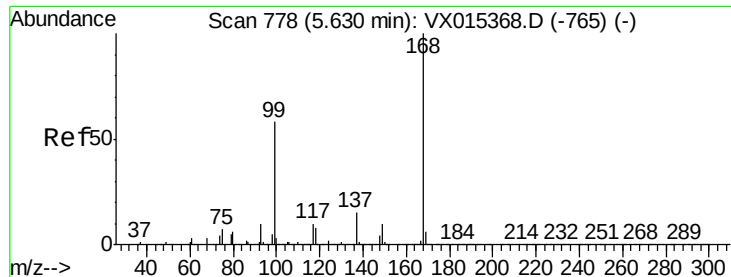
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042020\
 Data File : VX015777.D
 Acq On : 20 Apr 2020 19:36
 Operator : JC/SP
 Sample : L2342-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 08:00:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1083098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1675383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1614600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	908283	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	643367	42.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.24%	
35) Dibromofluoromethane	5.47	113	515055	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	8.70	98	1971288	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.12	95	845135	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.61	94	98	Below Cal		87
11) Tert butyl alcohol	3.00	59	16998	4.649 ug/l #		83
13) Acrolein	2.29	56	958	0.460 ug/l		93
16) Acetone	2.42	43	120758	18.400 ug/l		99
17) Carbon Disulfide	2.55	76	141261	4.528 ug/l		99
18) Methyl Acetate	2.75	43	14746	0.880 ug/l #		91
20) Methylene Chloride	2.84	84	65106	5.311 ug/l		93
25) 2-Butanone	4.65	43	48541	4.599 ug/l		93
29) Tetrahydrofuran	5.12	42	5430	0.800 ug/l #		80
36) 1,1-Dichloropropene	5.63	75	78488	5.084 ug/l #		52
37) Ethyl Acetate	4.65	43	48541	2.415 ug/l #		74
38) Carbon Tetrachloride	5.63	117	96538	5.774 ug/l #		15
43) Isopropyl Acetate	6.42	43	370994	10.934 ug/l		99
48) Methyl methacrylate	7.85	41	552477	32.598 ug/l #		48
49) 1,4-Dioxane	7.72	88	713	2.255 ug/l #		1
51) 4-Methyl-2-Pentanone	8.59	43	353738	18.396 ug/l #		46
54) cis-1,3-Dichloropropene	8.59	75	141854	6.867 ug/l #		51
59) 2-Hexanone	9.53	43	356465	24.554 ug/l #		54
74) N-amyl acetate	10.81	43	19977	0.604 ug/l #		53
76) 1,2,3-Trichloropropane	11.12	75	421406	22.561 ug/l #		35
81) trans-1,4-Dichloro-2-buten	11.12	75	421406	54.135 ug/l #		10
95) Naphthalene	13.82	128	73697	1.098 ug/l		98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015777.D

Acq: 20 Apr 2020 19:36

Instrument :

MSVOA_X

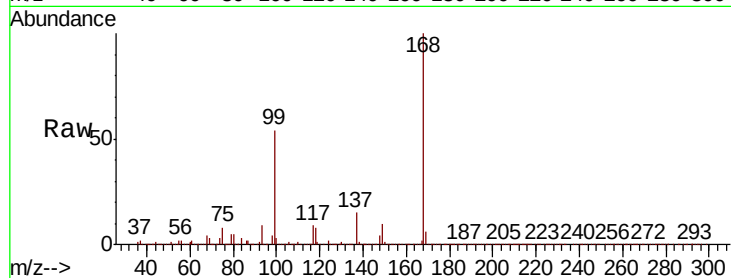
ClientSampleId :

Tot Ion:168 Resp: 1083098

Ion Ratio Lower Upper

168 100

99 53.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

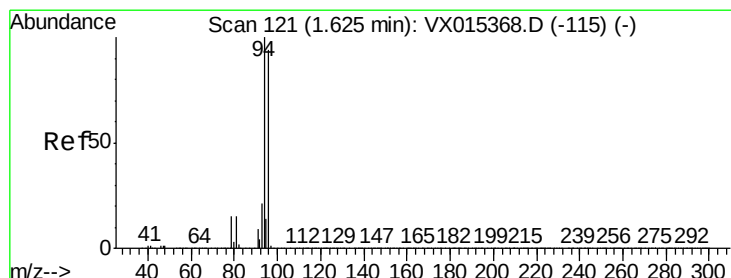
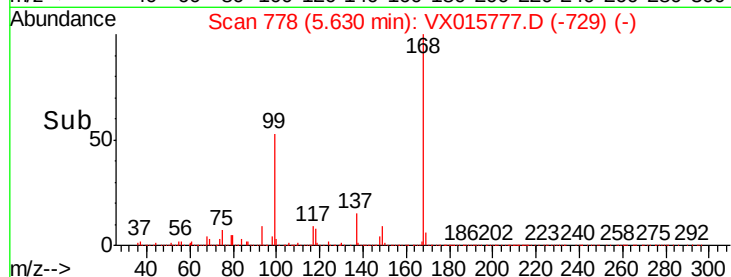
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX015777.D

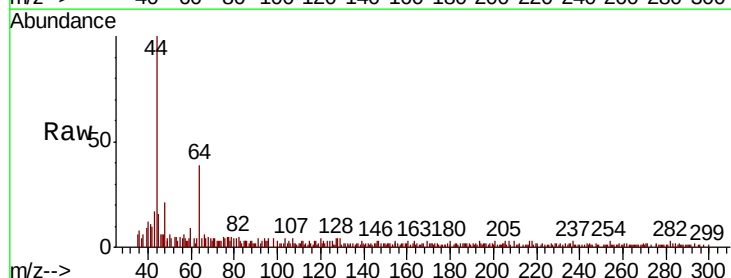
Acq: 20 Apr 2020 19:36

Tgt Ion: 94 Resp: 98

Ion Ratio Lower Upper

94 100

96 106.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

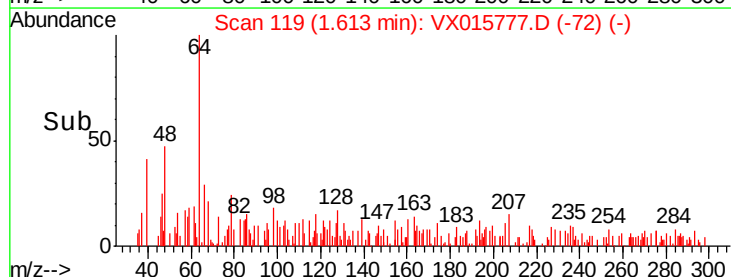
400

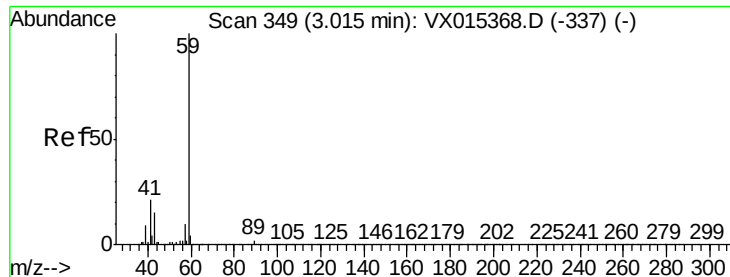
200

0

Time-->

1.60 1.61 1.62

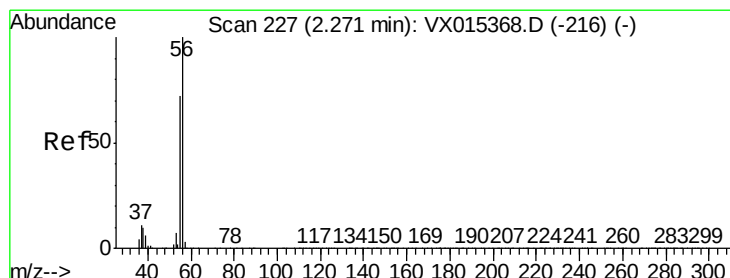
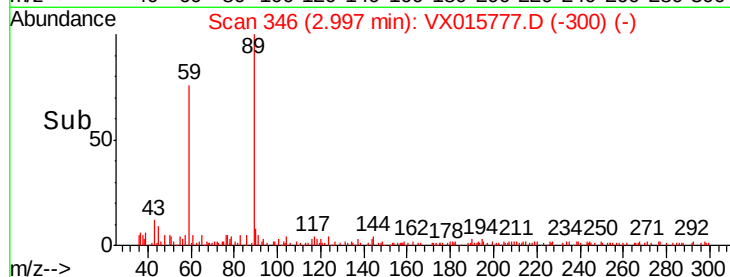
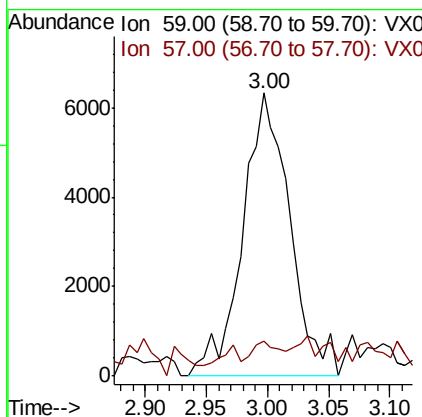
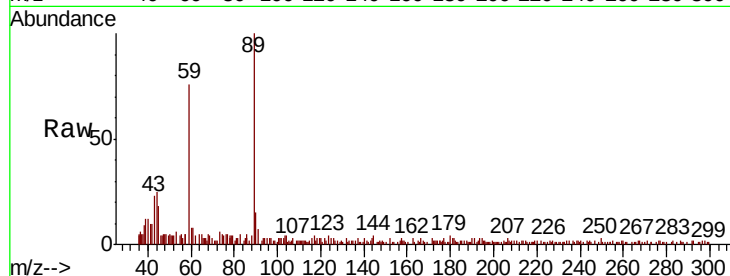




#11
Tert butyl alcohol
Concen: 4.649 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

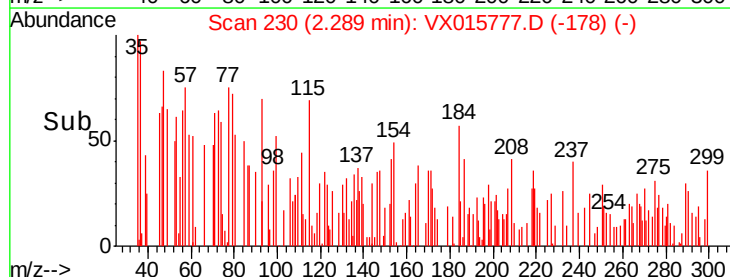
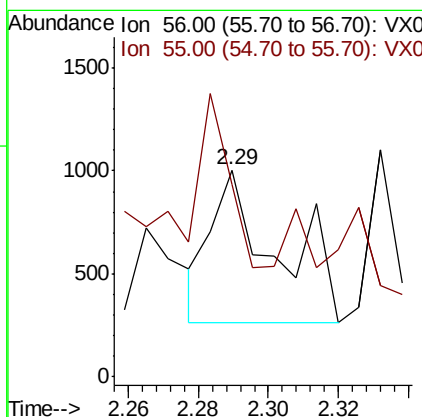
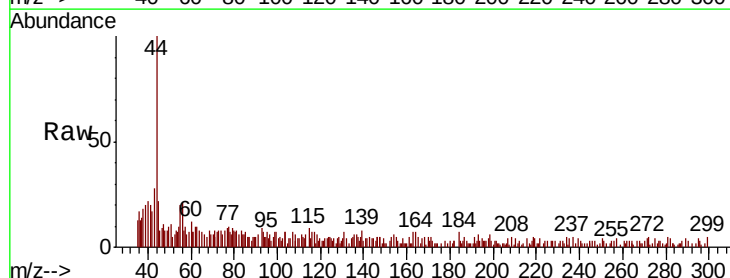
Instrument :
MSVOA_X
ClientSampleId :

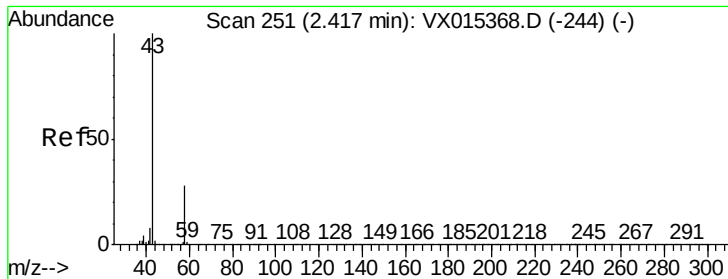
Tot Ion: 59 Resp: 16998
Ion Ratio Lower Upper
59 100
57 3.9 8.1 12.1#



#13
Acrolein
Concen: 0.460 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.02 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

Tgt Ion: 56 Resp: 958
Ion Ratio Lower Upper
56 100
55 65.8 57.0 85.4

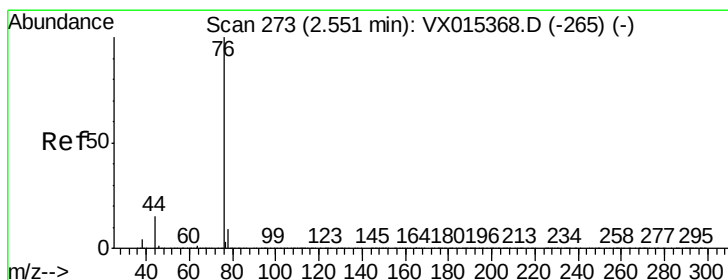
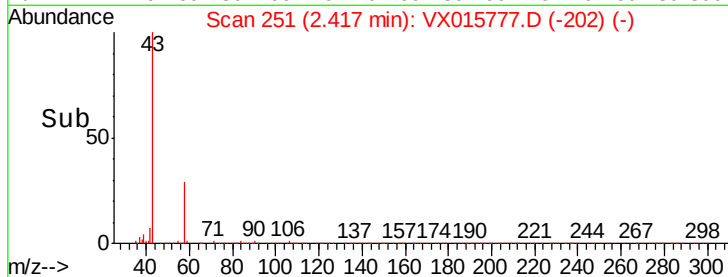
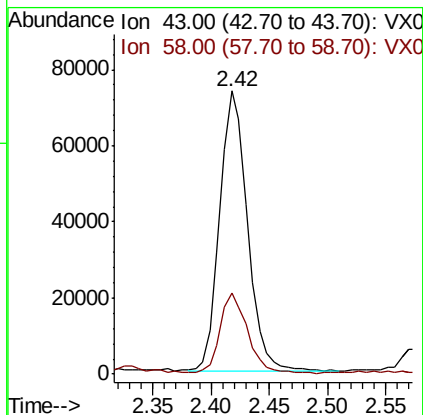
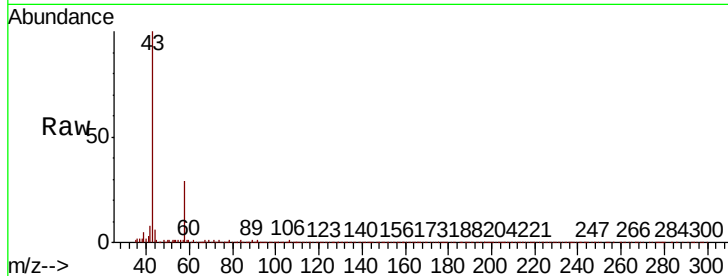




#16
Acetone
Concen: 18.400 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

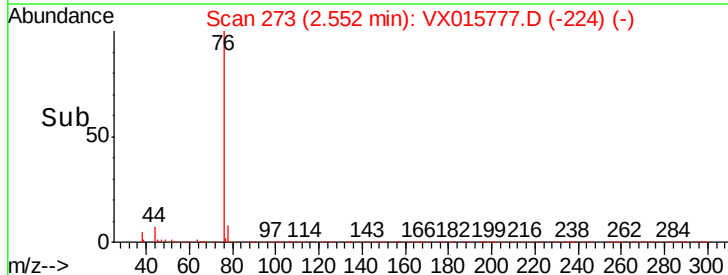
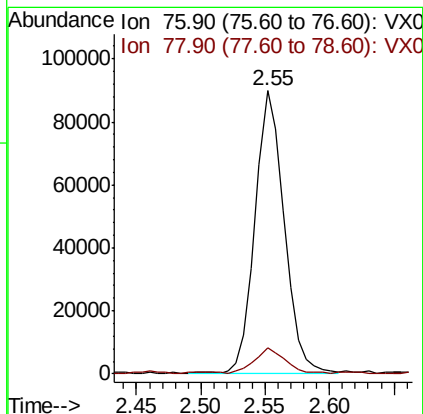
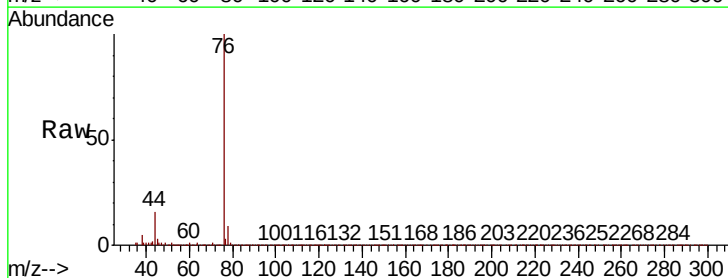
Instrument :
MSVOA_X
ClientSampleId :

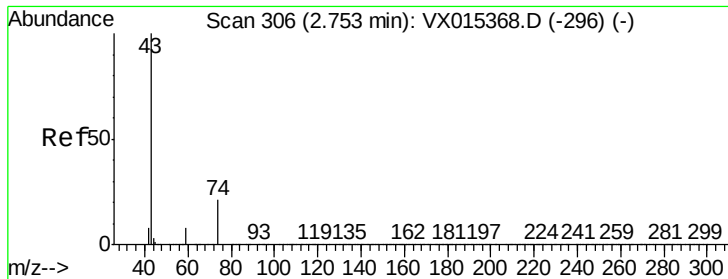
Tot Ion: 43 Resp: 120758
Ion Ratio Lower Upper
43 100
58 28.3 22.1 33.1



#17
Carbon Disulfide
Concen: 4.528 ug/l
RT: 2.55 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

Tgt Ion: 76 Resp: 141261
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

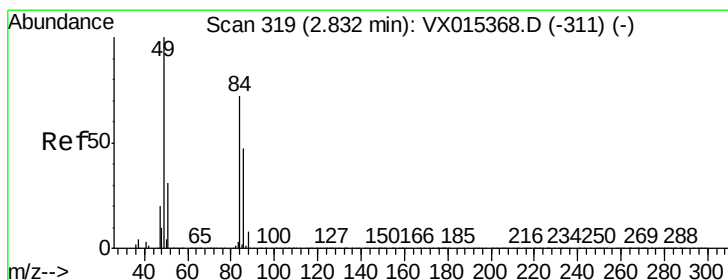
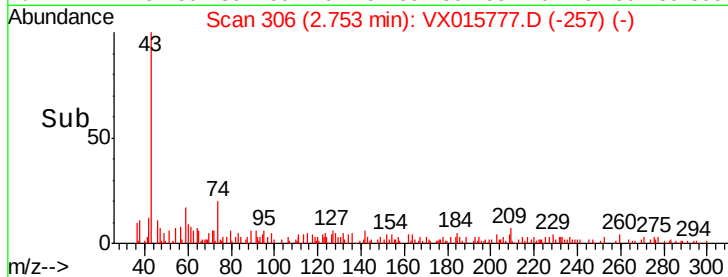
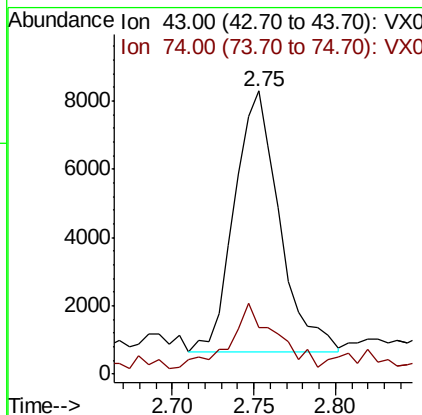
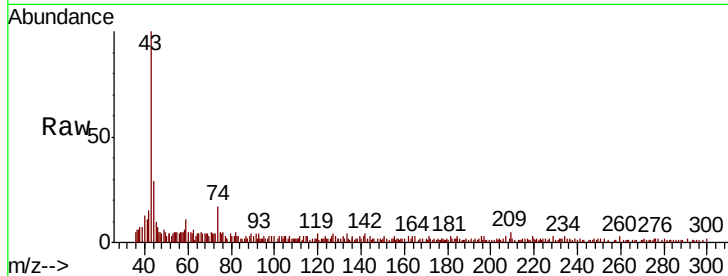




#18
Methvl Acetate
Concen: 0.880 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

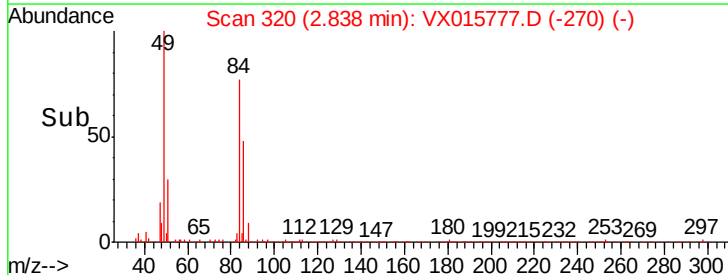
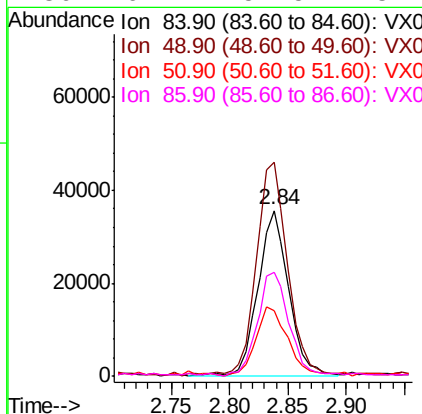
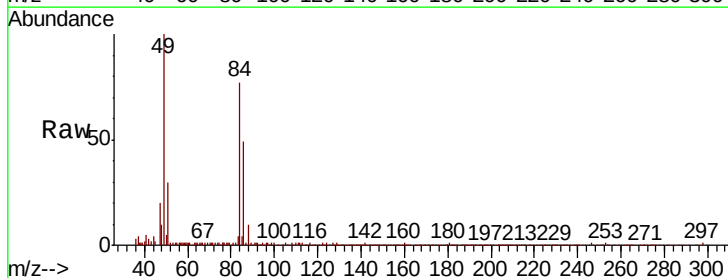
Instrument :
MSVOA_X
ClientSampleId :

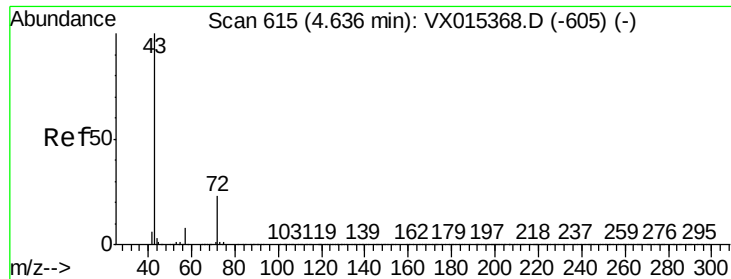
Tot Ion: 43 Resp: 14746
Ion Ratio Lower Upper
43 100
74 24.8 16.5 24.7#



#20
Methylene Chloride
Concen: 5.311 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

Tgt Ion: 84 Resp: 65106
Ion Ratio Lower Upper
84 100
49 129.2 111.3 166.9
51 37.6 34.0 51.0
86 62.2 52.5 78.7





#25

2-Butanone

Concen: 4.599 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015777.D

Acq: 20 Apr 2020 19:36

Instrument :

MSVOA_X

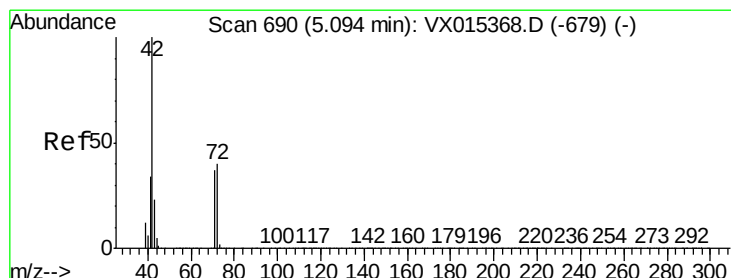
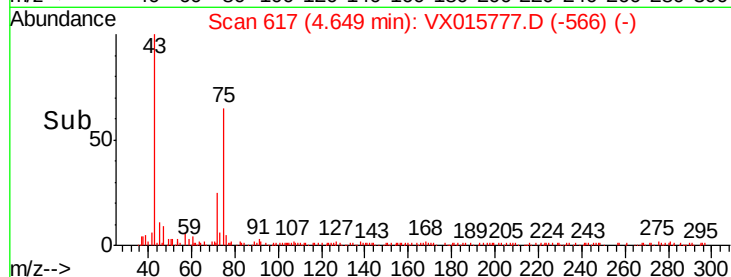
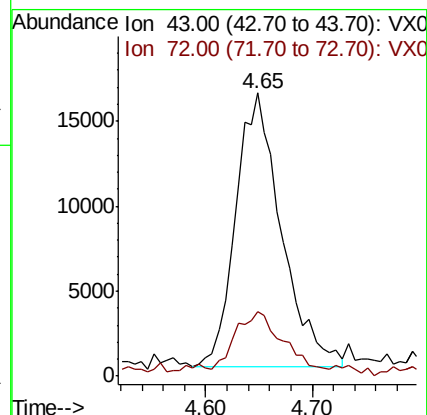
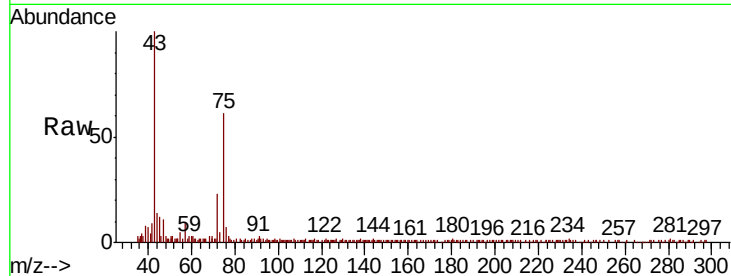
ClientSampleId :

Tot Ion: 43 Resp: 48541

Ion Ratio Lower Upper

43 100

72 20.5 19.0 28.4



#29

Tetrahydrofuran

Concen: 0.800 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.02 min

Lab File: VX015777.D

Acq: 20 Apr 2020 19:36

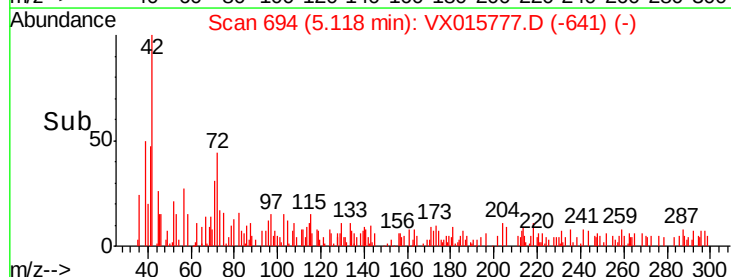
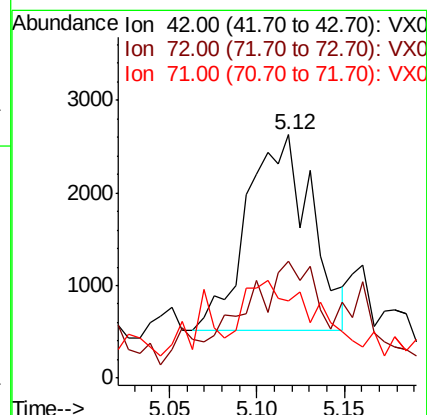
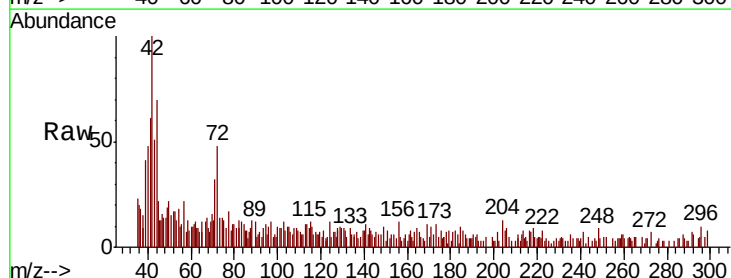
Tgt Ion: 42 Resp: 5430

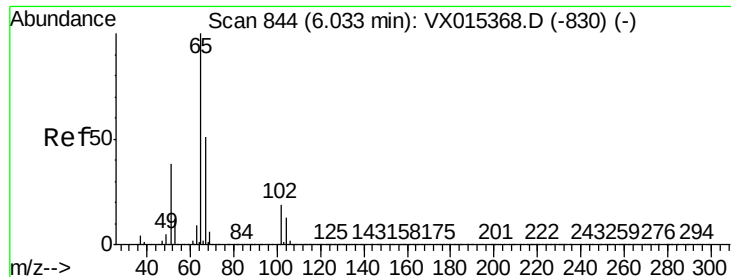
Ion Ratio Lower Upper

42 100

72 63.3 31.7 47.5#

71 37.0 29.6 44.4

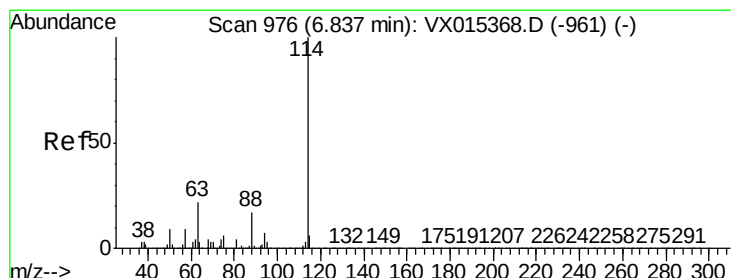
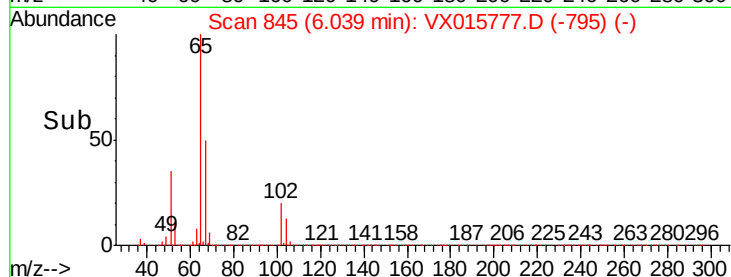
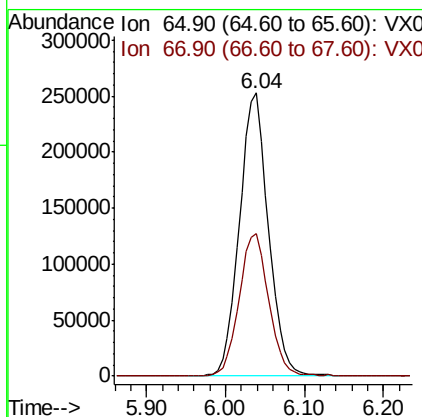
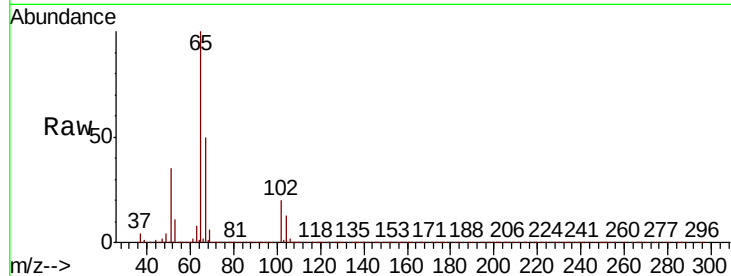




#33
 1,2-Dichloroethane-d4
 Concen: 42.116 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015777.D
 Acq: 20 Apr 2020 19:36

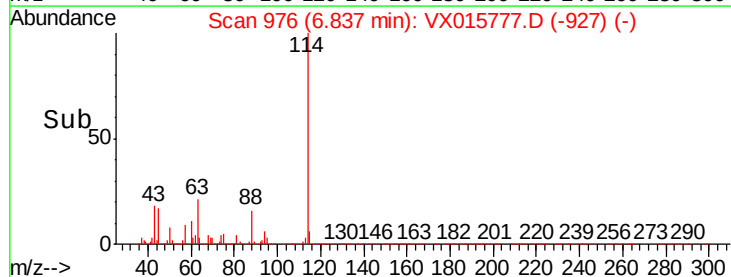
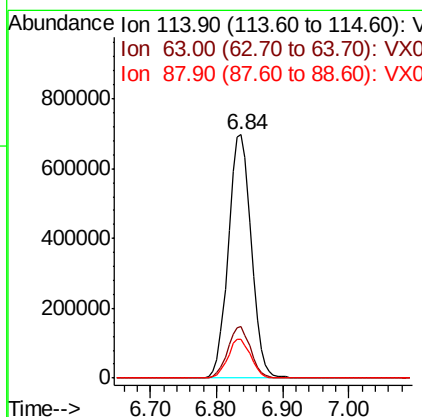
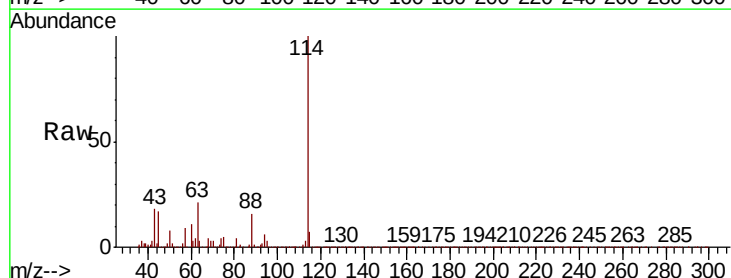
Instrument :
 MSVOA_X
 ClientSampled :

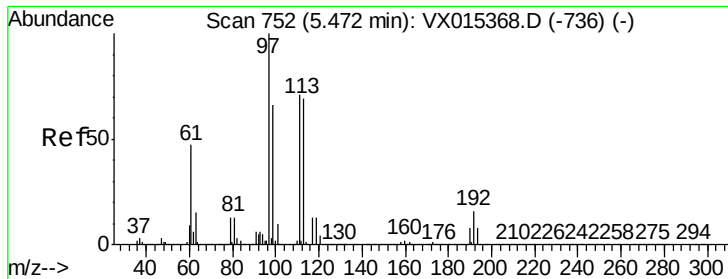
Tot Ion: 65 Resp: 643367
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015777.D
 Acq: 20 Apr 2020 19:36

Tgt Ion: 114 Resp: 1675383
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 44.2
 88 15.9 0.0 33.8

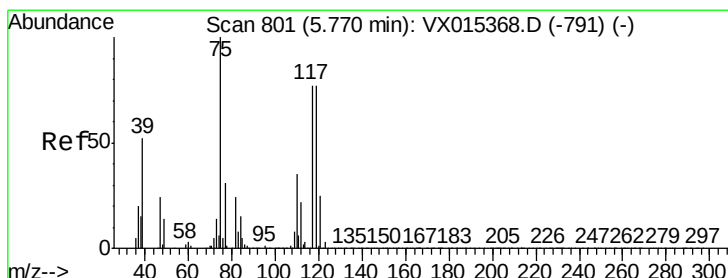
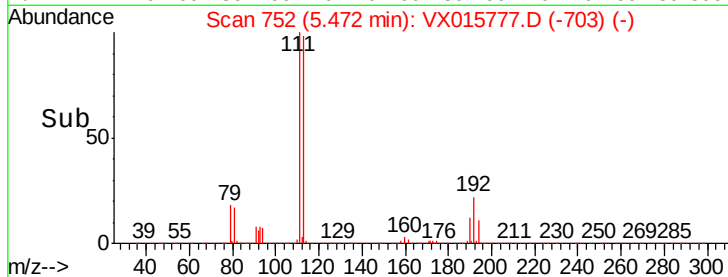
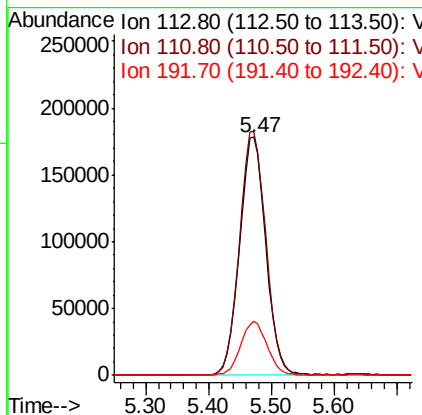
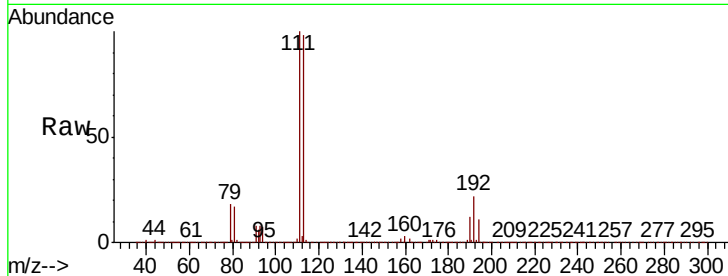




#35
 Dibromofluoromethane
 Concen: 48.093 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015777.D
 Acq: 20 Apr 2020 19:36

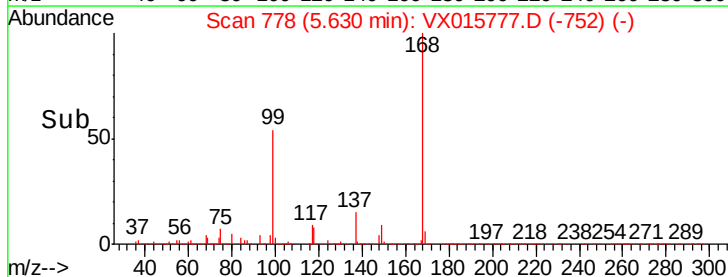
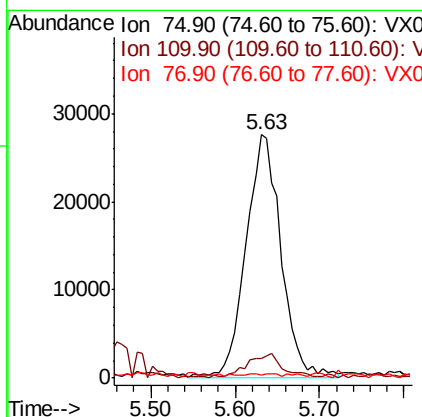
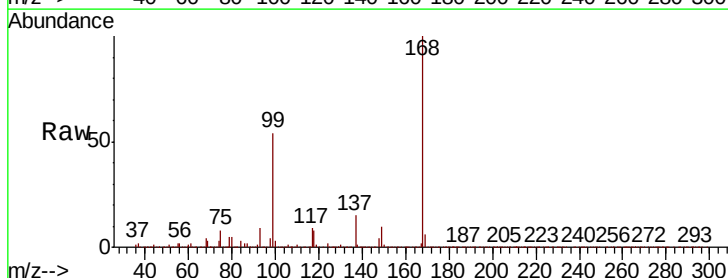
Instrument :
 MSVOA_X
 ClientSampleId :

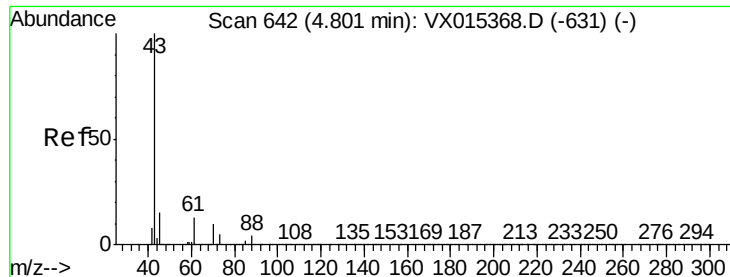
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	22.8	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.084 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015777.D
 Acq: 20 Apr 2020 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.1	51.3#
77	0.3	24.6	36.8#

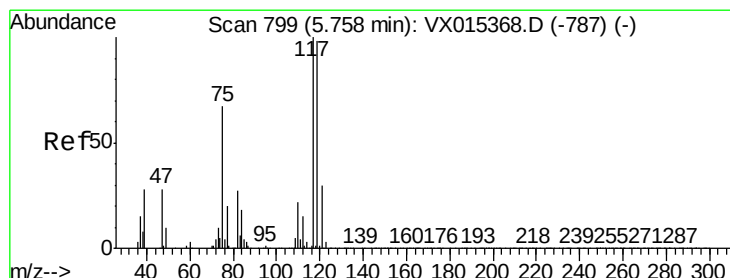
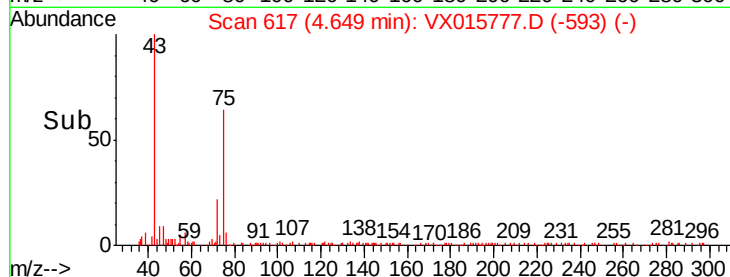
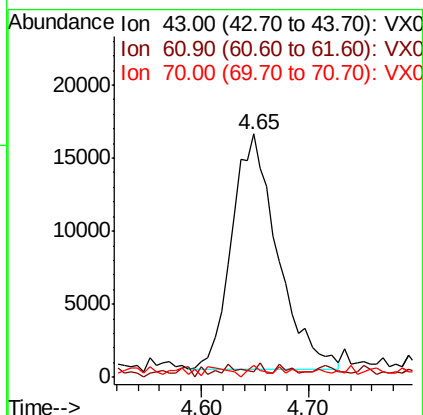
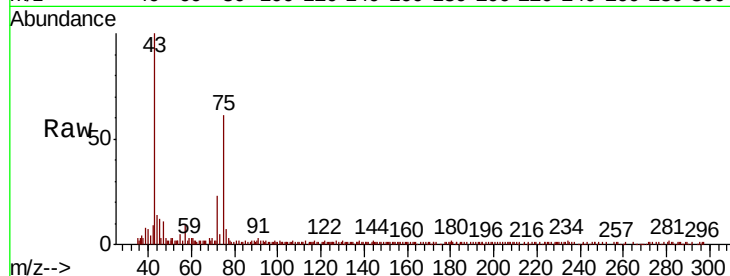




#37
Ethyl Acetate
Concen: 2.415 ug/l
RT: 4.65 min Scan# 617
Delta R.T. -0.15 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

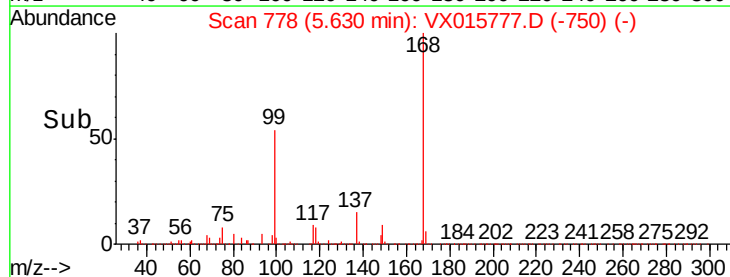
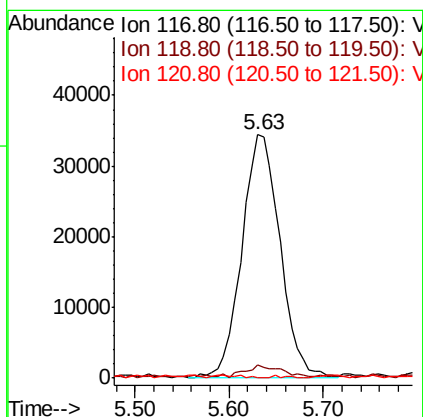
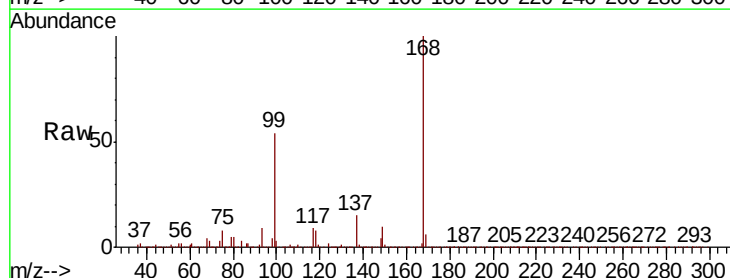
Instrument :
MSVOA_X
ClientSampleId :

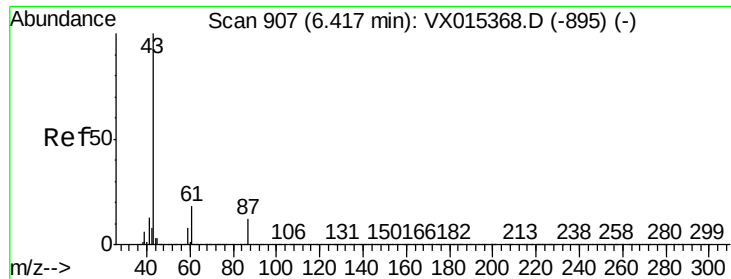
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.9	9.9	14.9#
70	1.8	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 5.774 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.0	117.0#
121	0.0	23.8	35.8#



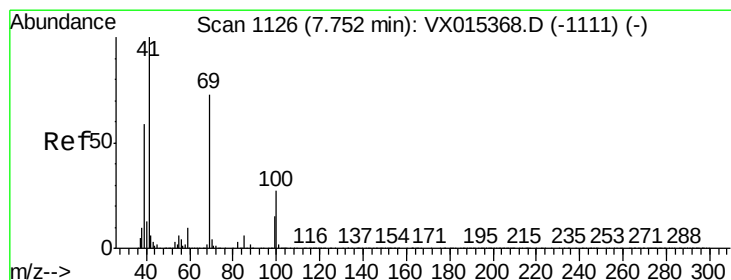
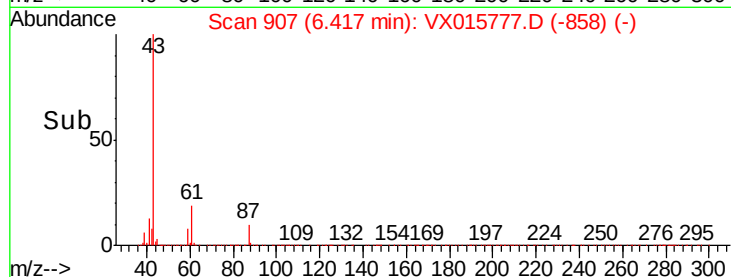
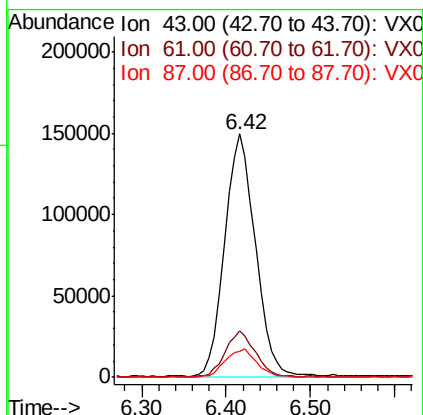
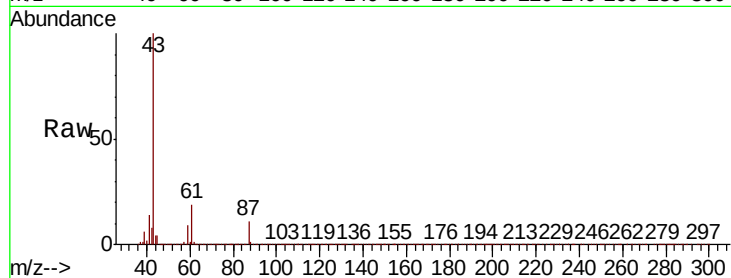


#43

Isopropyl Acetate
 Concen: 10.934 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015777.D
 Acq: 20 Apr 2020 19:36

Instrument :
 MSVOA_X
 ClientSampleId :

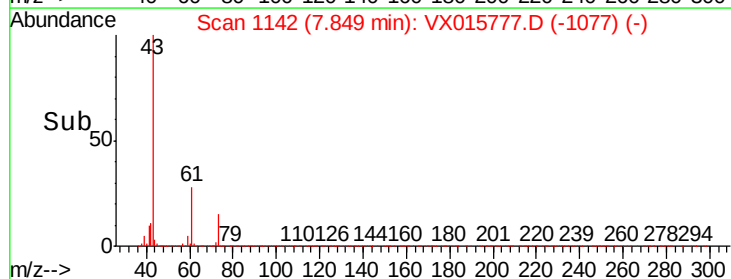
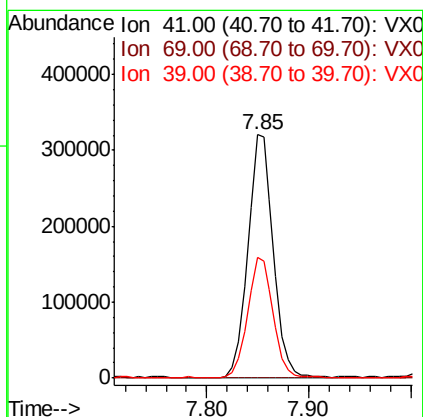
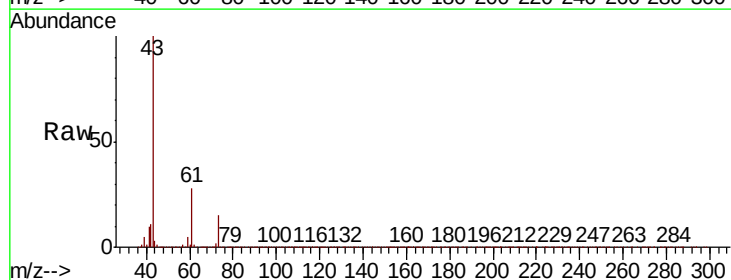
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.8	22.2
87	12.0	9.4	14.0

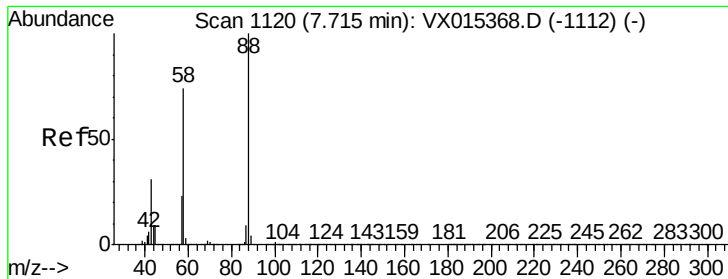


#48

Methyl methacrylate
 Concen: 32.598 ug/l
 RT: 7.85 min Scan# 1142
 Delta R.T. 0.10 min
 Lab File: VX015777.D
 Acq: 20 Apr 2020 19:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.2	56.7	85.1#
39	49.7	46.5	69.7

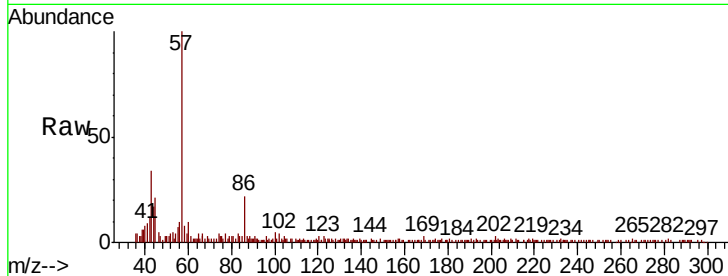




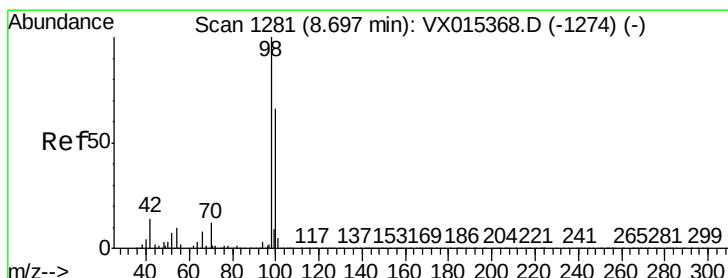
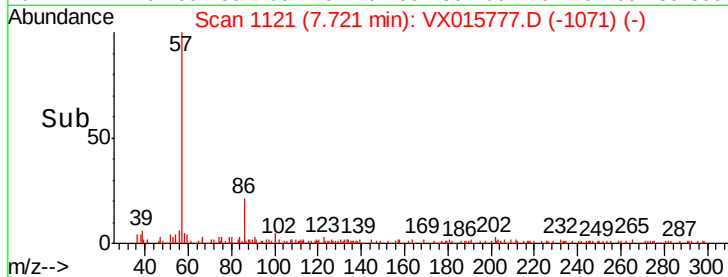
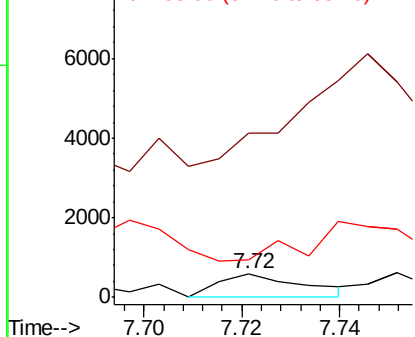
#49
1,4-Dioxane
Concen: 2.255 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 713
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 359.6 60.6 90.8#

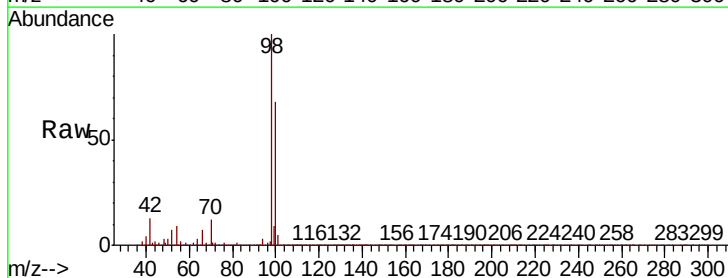


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

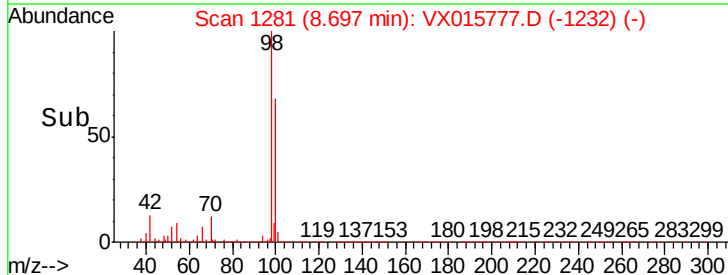
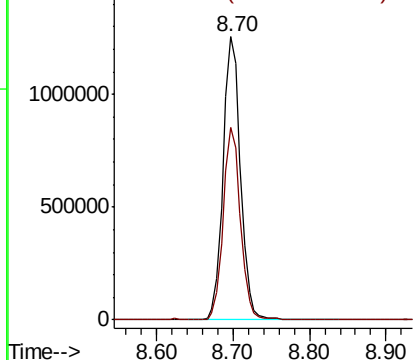


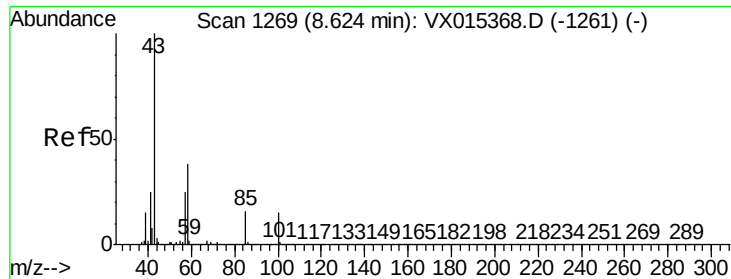
#50
Toluene-d8
Concen: 49.995 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

Tgt Ion: 98 Resp: 1971288
Ion Ratio Lower Upper
98 100
100 67.1 53.5 80.3



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

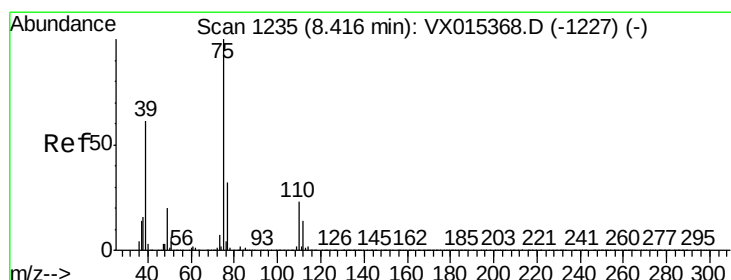
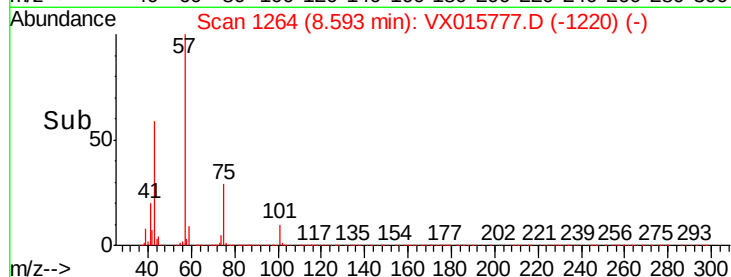
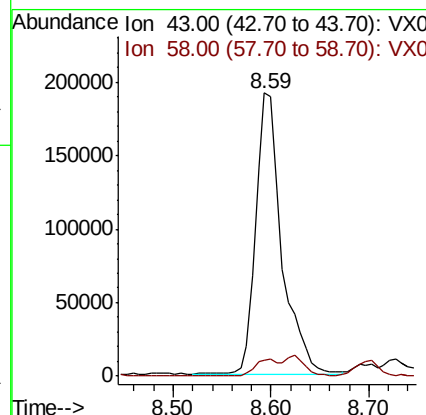
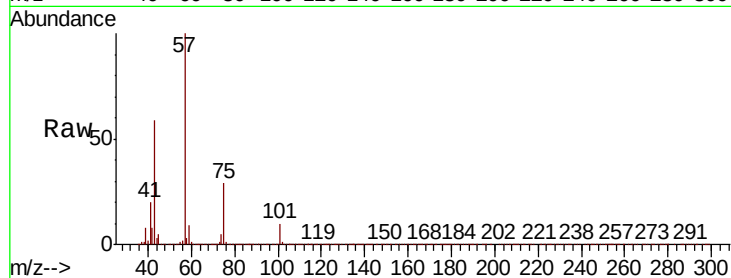




#51
4-Methyl-2-Pentanone
Concen: 18.396 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

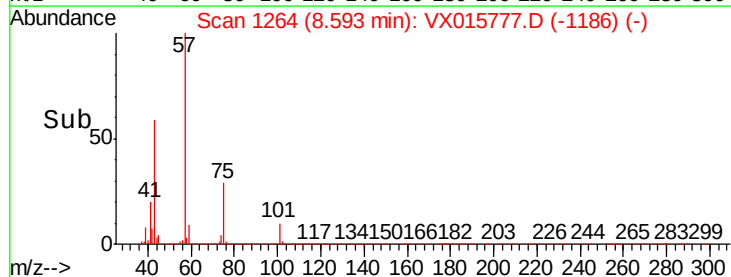
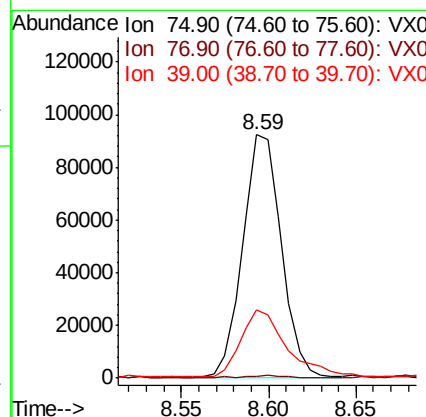
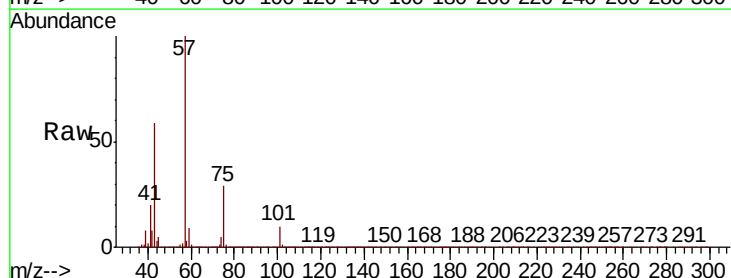
Instrument :
MSVOA_X
ClientSampleId :

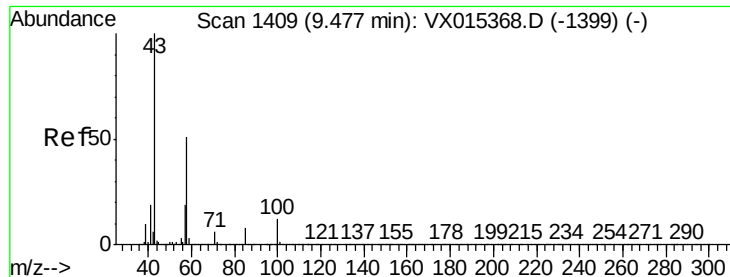
Tot Ion: 43 Resp: 353738
Ion Ratio Lower Upper
43 100
58 4.7 29.7 44.5#



#54
cis-1,3-Dichloropropene
Concen: 6.867 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. 0.18 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

Tgt Ion: 75 Resp: 141854
Ion Ratio Lower Upper
75 100
77 0.3 25.8 38.6#
39 27.5 49.0 73.4#

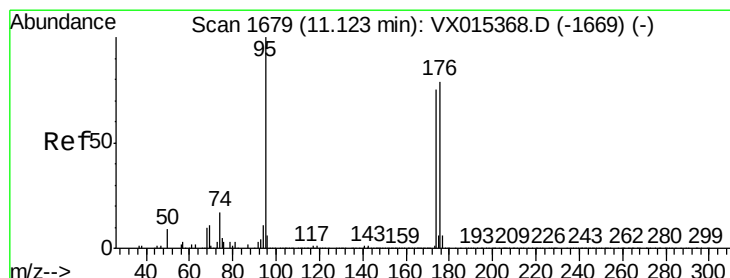
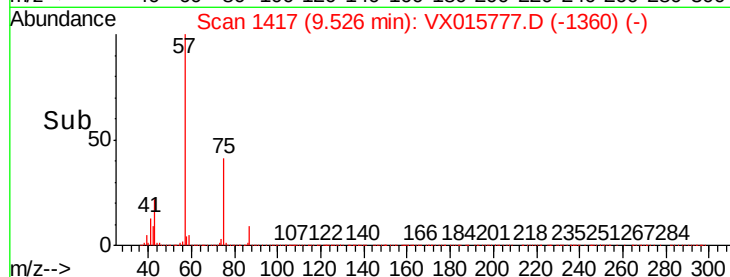
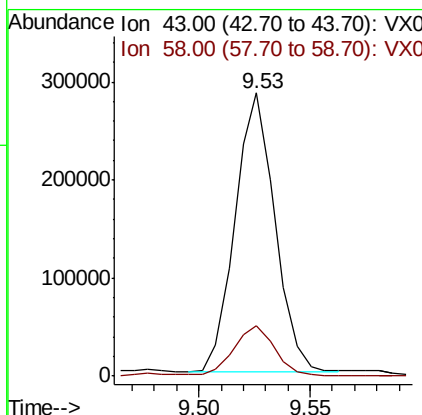
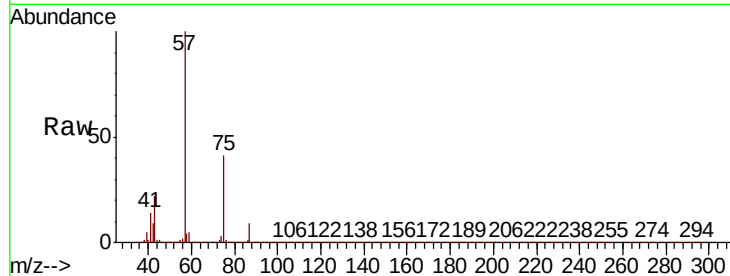




#59
2-Hexanone
Concen: 24.554 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

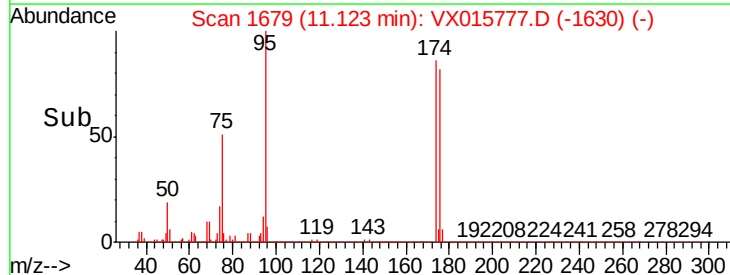
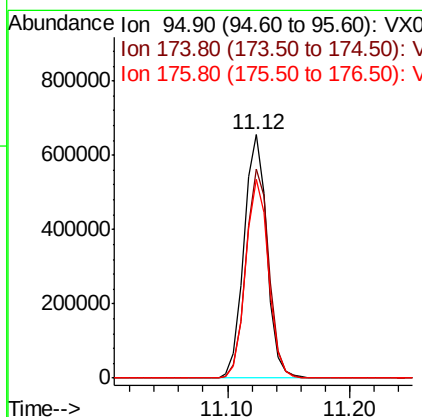
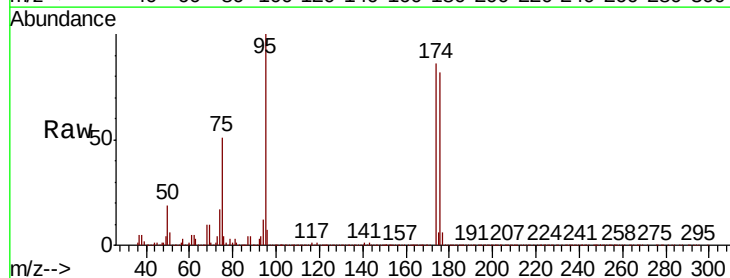
Instrument :
MSVOA_X
ClientSampleId :

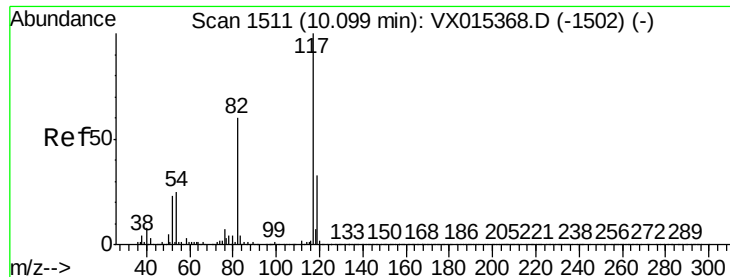
Tot Ion: 43 Resp: 356465
Ion Ratio Lower Upper
43 100
58 19.1 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 52.741 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

Tgt Ion: 95 Resp: 845135
Ion Ratio Lower Upper
95 100
174 87.3 0.0 158.6
176 82.4 0.0 159.0

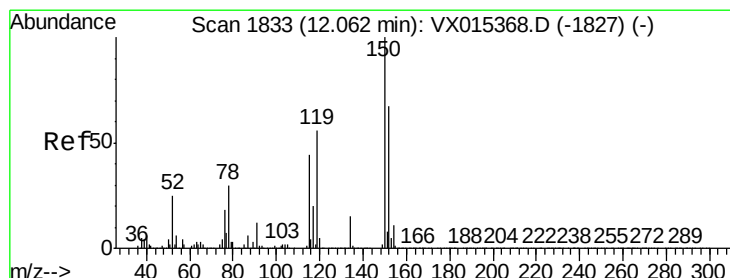
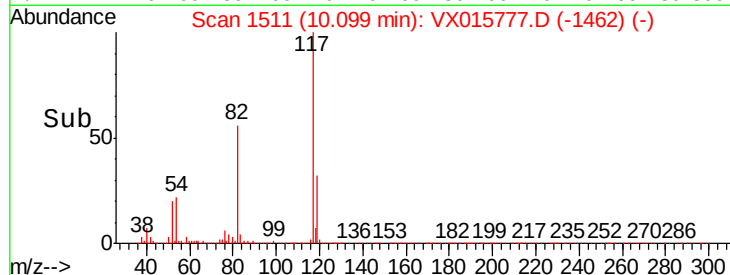
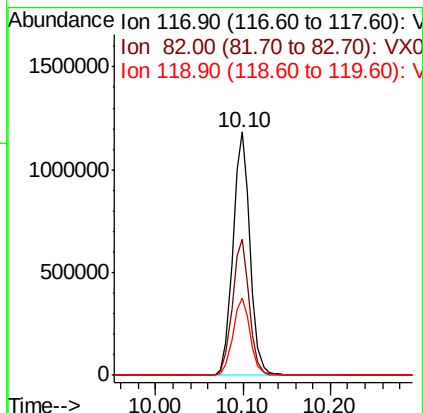
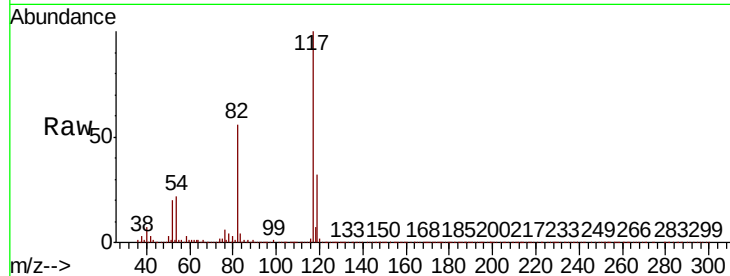




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

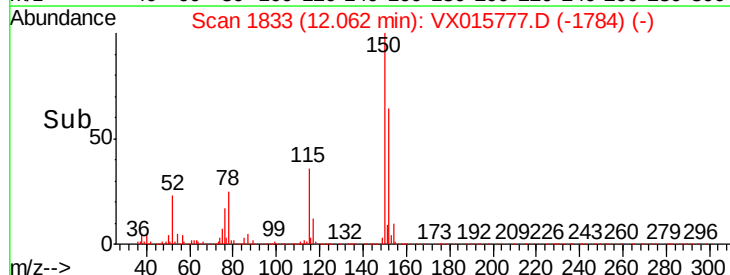
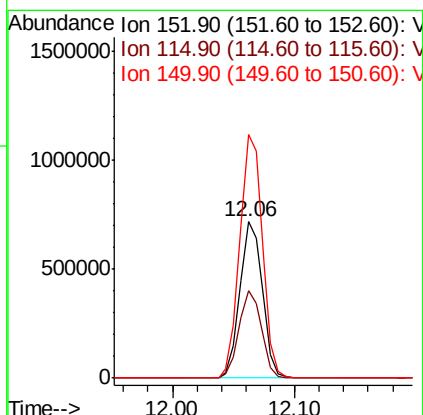
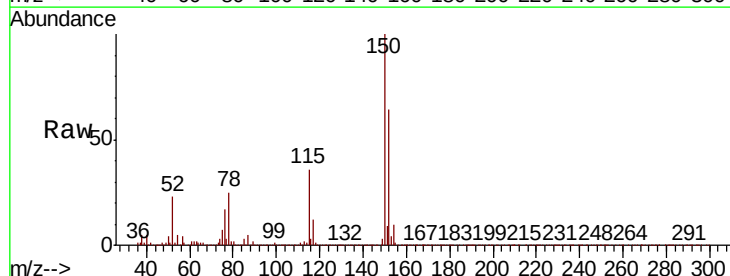
Instrument :
MSVOA_X
ClientSampleId :

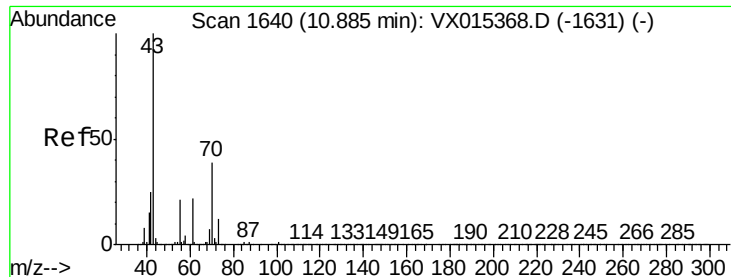
Tot Ion:117 Resp: 1614600
Ion Ratio Lower Upper
117 100
82 55.9 47.8 71.8
119 31.7 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

Tgt Ion:152 Resp: 908283
Ion Ratio Lower Upper
152 100
115 55.8 39.0 116.9
150 156.4 0.0 340.8

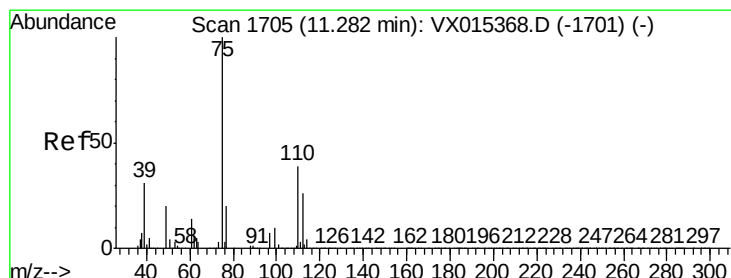
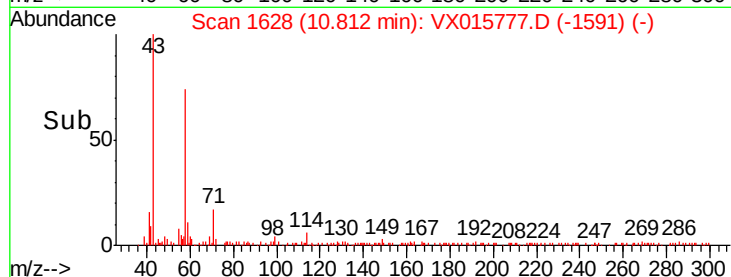
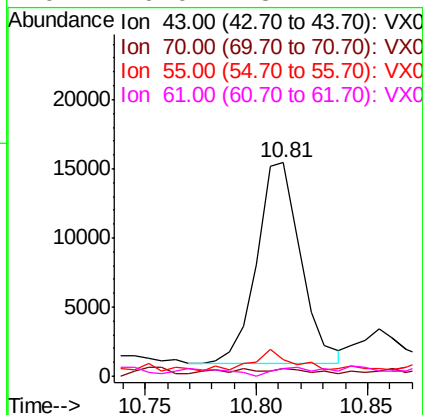
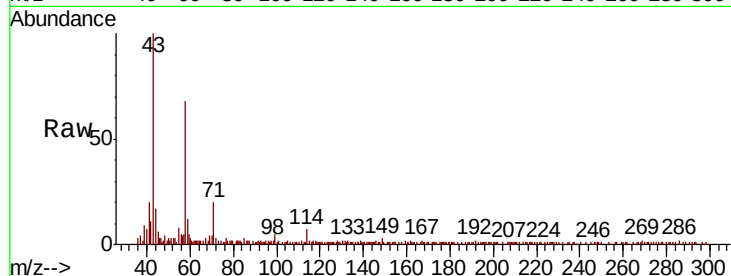




#74
N-amvl acetate
Concen: 0.604 ug/l
RT: 10.81 min Scan# 1628
Delta R.T. -0.07 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

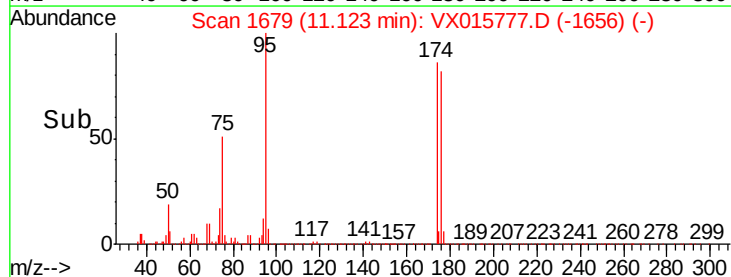
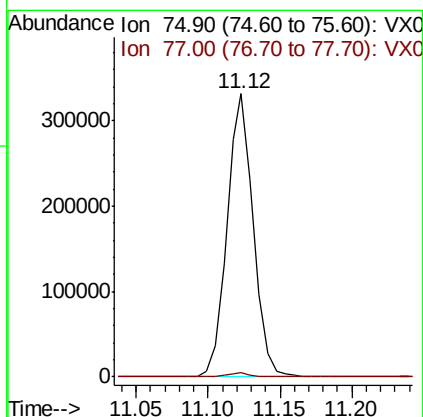
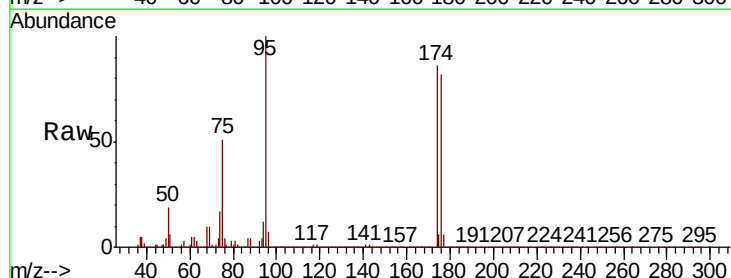
Instrument :
MSVOA_X
ClientSampleId :

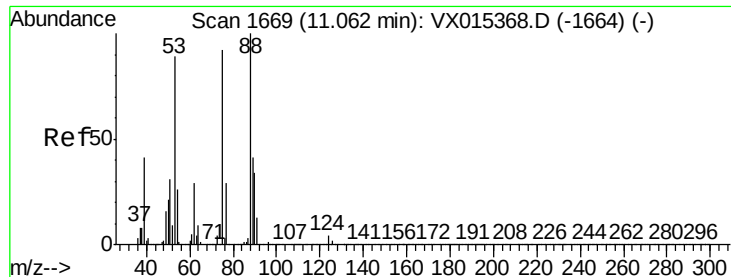
Tot Ion:	43	Resp:	19977
Ion	Ratio	Lower	Upper
43	100		
70	1.2	30.2	45.4#
55	10.3	16.8	25.2#
61	0.0	18.2	27.2#



#76
1,2,3-Trichloropropane
Concen: 22.561 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015777.D
Acq: 20 Apr 2020 19:36

Tgt Ion:	75	Resp:	421406
Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.2	63.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 54.135 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015777.D

Acq: 20 Apr 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

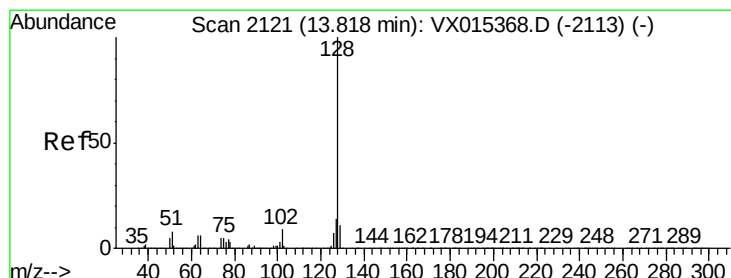
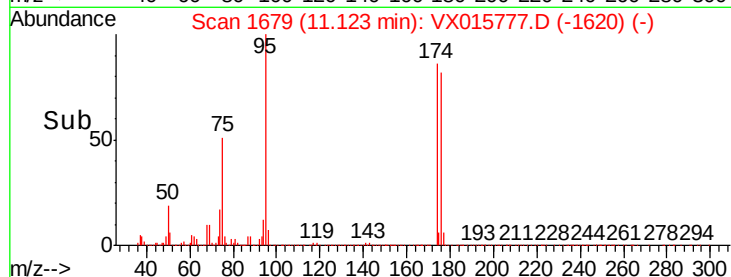
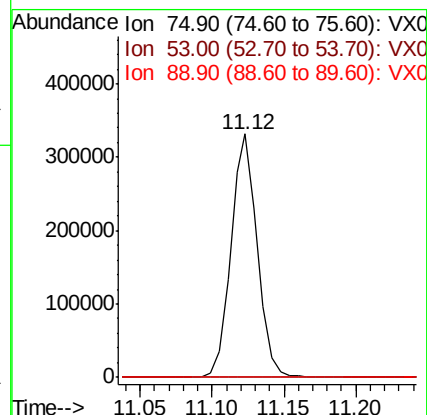
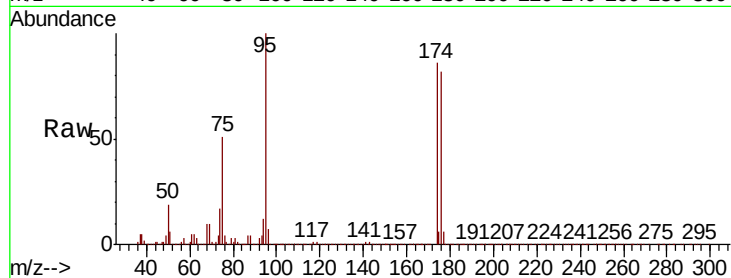
Tot Ion: 75 Resp: 421406

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#



#95

Naphthalene

Concen: 1.098 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. 0.00 min

Lab File: VX015777.D

Acq: 20 Apr 2020 19:36

Tgt Ion: 128 Resp: 73697

Ion Ratio Lower Upper

128 100

127 14.0 10.6 15.8

129 11.5 8.8 13.2

