

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042020\
 Data File : VX015775.D
 Acq On : 20 Apr 2020 18:51
 Operator : JC/SP
 Sample : L2341-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 07:59:52 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	1036811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1608388	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1527864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	868131	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	614164	42.00	ug/l	0.00
Spiked Amount			Recovery	=	84.00%	
35) Dibromofluoromethane	5.47	113	492394	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	8.70	98	1907867	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.12	95	814610	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	

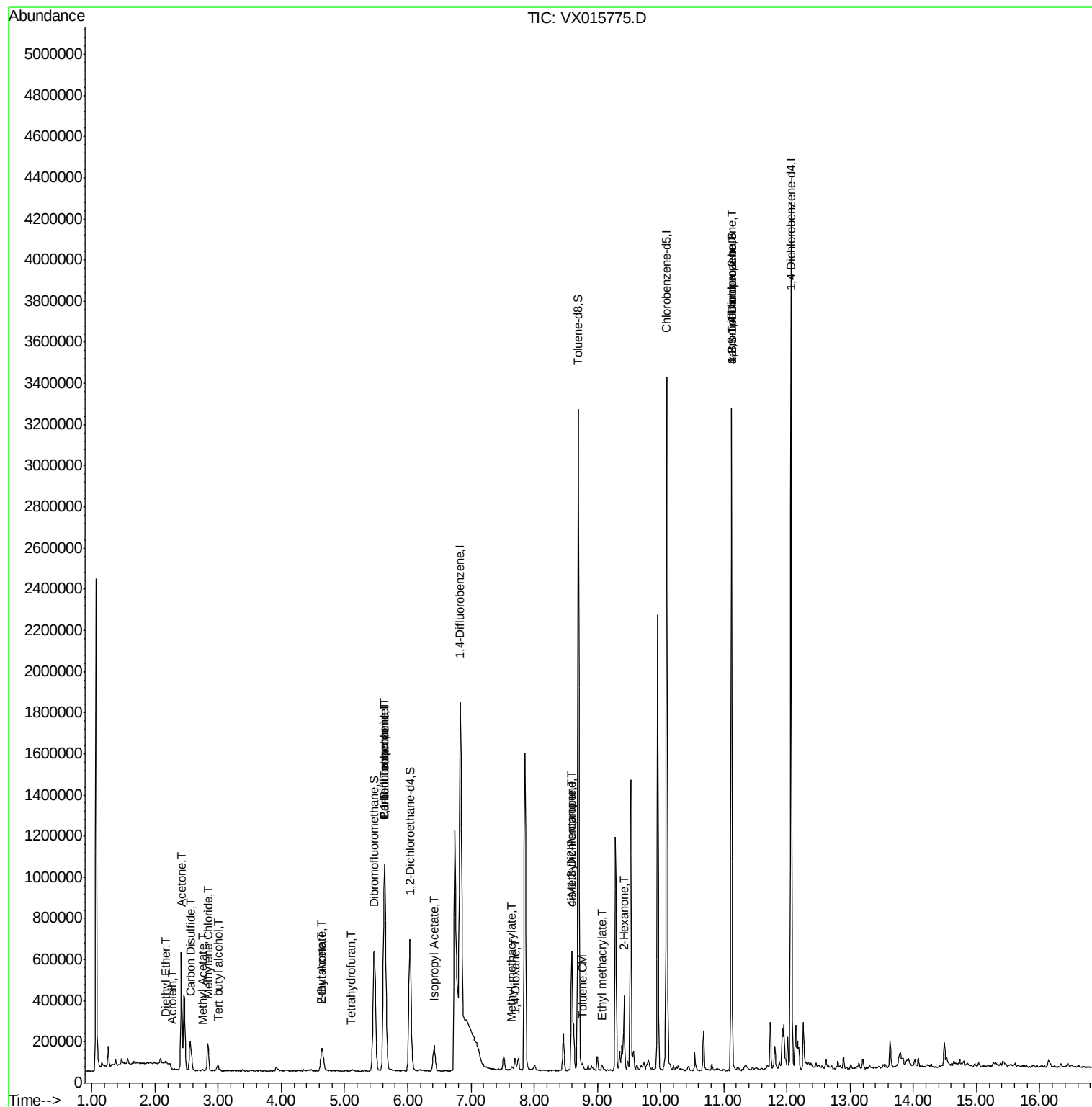
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	768	Below Cal	#	49
8) Diethyl Ether	2.17	74	1478	0.245	ug/l #	1
11) Tert butyl alcohol	2.99	59	19538	5.582	ug/l #	86
13) Acrolein	2.28	56	874	0.438	ug/l #	14
16) Acetone	2.42	43	608862	96.915	ug/l	100
17) Carbon Disulfide	2.55	76	168266	5.635	ug/l	98
18) Methyl Acetate	2.75	43	12204	0.761	ug/l #	80
20) Methylene Chloride	2.84	84	60014	5.114	ug/l	90
25) 2-Butanone	4.64	43	172396	17.063	ug/l	99
29) Tetrahydrofuran	5.11	42	2136	0.329	ug/l #	54
36) 1,1-Dichloropropene	5.64	75	75790	5.114	ug/l #	50
37) Ethyl Acetate	4.64	43	172396	8.934	ug/l #	71
38) Carbon Tetrachloride	5.64	117	92242	5.747	ug/l #	15
43) Isopropyl Acetate	6.42	43	174474	5.356	ug/l	97
48) Methyl methacrylate	7.65	41	19202	1.180	ug/l #	28
49) 1,4-Dioxane	7.70	88	330	1.087	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	327504	17.741	ug/l #	38
52) Toluene	8.77	92	8472	0.317	ug/l	95
54) cis-1,3-Dichloropropene	8.59	75	94464	4.764	ug/l #	52
56) Ethyl methacrylate	9.07	69	4398	0.228	ug/l #	67
59) 2-Hexanone	9.42	43	283494	20.341	ug/l #	27
76) 1,2,3-Trichloropropane	11.12	75	401001	22.462	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	401001	53.897	ug/l #	10

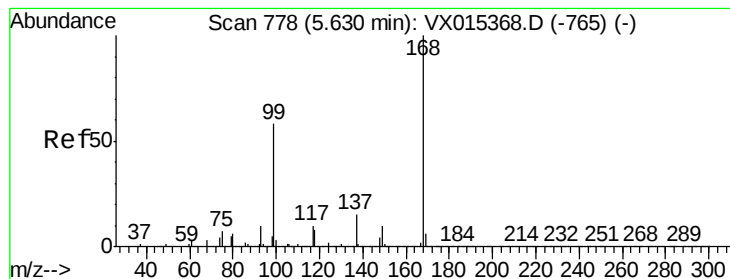
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042020\
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Acq On : 20 Apr 2020 18:51
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_X

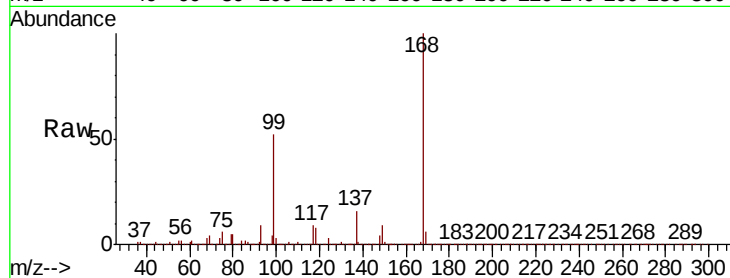
ClientSampleId :

Tot Ion:168 Resp: 1036811

Ion Ratio Lower Upper

168 100

99 52.0 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

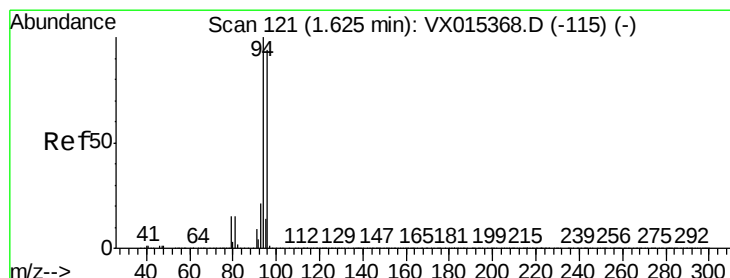
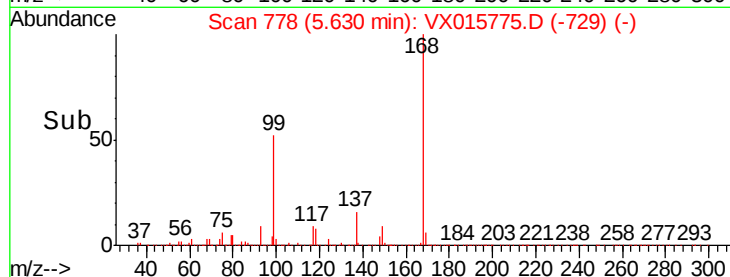
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015775.D

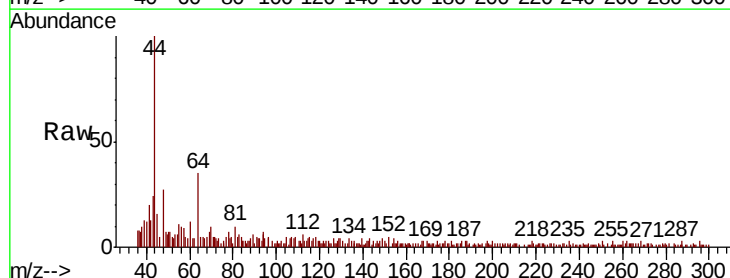
Acq: 20 Apr 2020 18:51

Tgt Ion: 94 Resp: 768

Ion Ratio Lower Upper

94 100

96 44.7 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

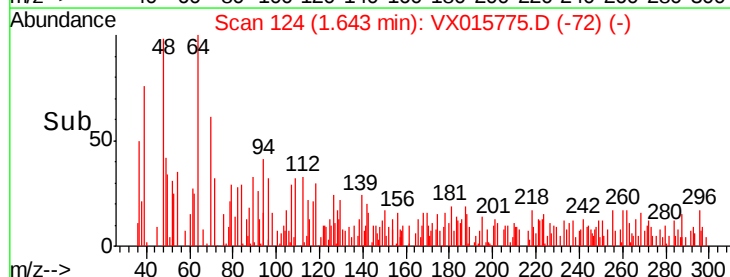
1.64

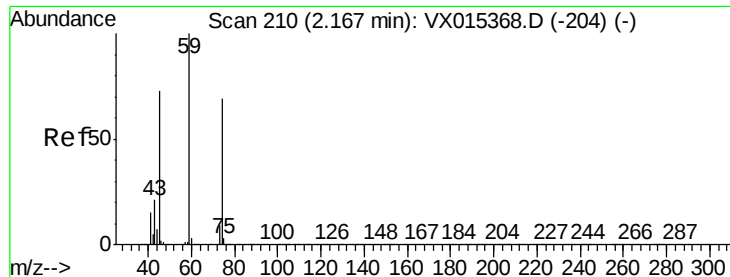
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.245 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_X

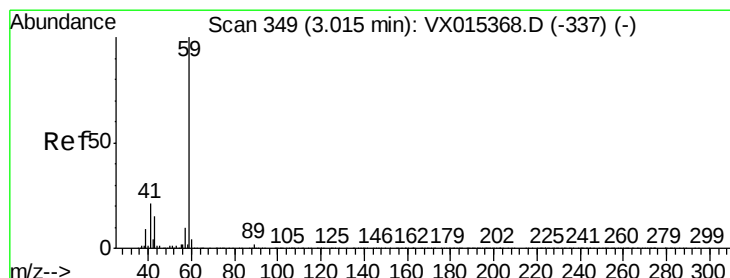
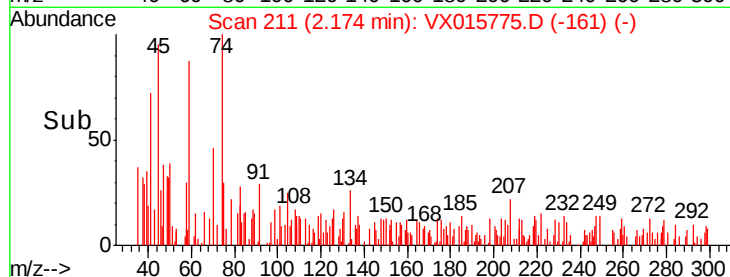
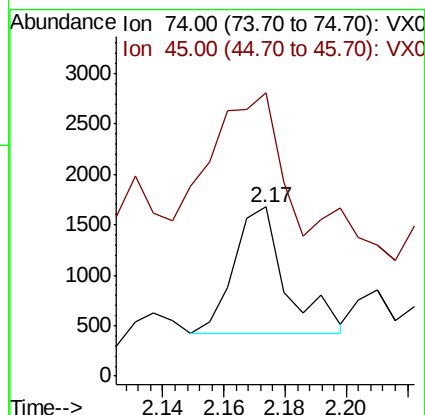
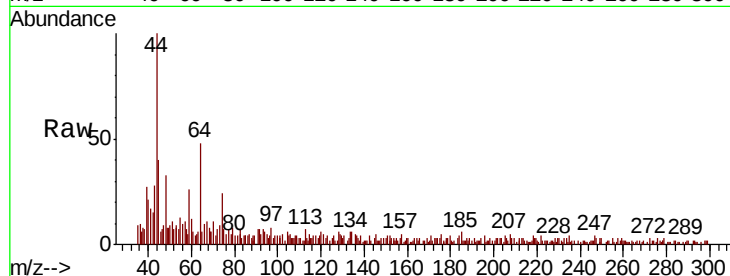
ClientSampleId :

Tot Ion: 74 Resp: 1478

Ion Ratio Lower Upper

74 100

45 213.5 53.8 161.4#



#11

Tert butyl alcohol

Concen: 5.582 ug/l

RT: 2.99 min Scan# 345

Delta R.T. -0.02 min

Lab File: VX015775.D

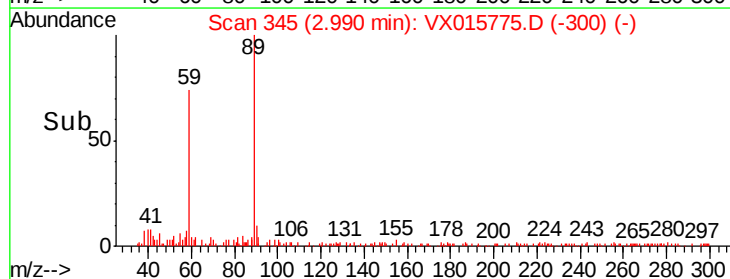
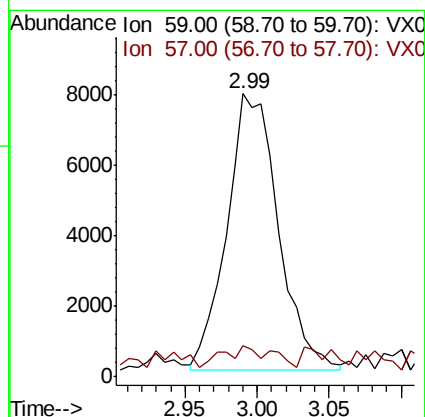
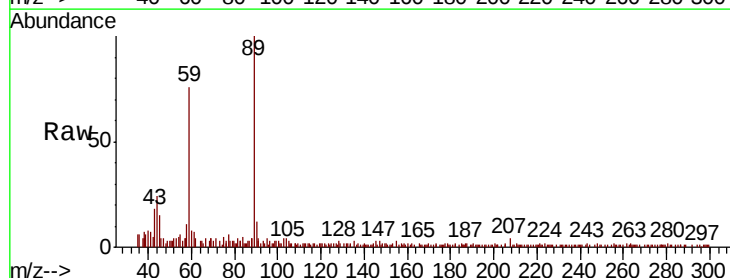
Acq: 20 Apr 2020 18:51

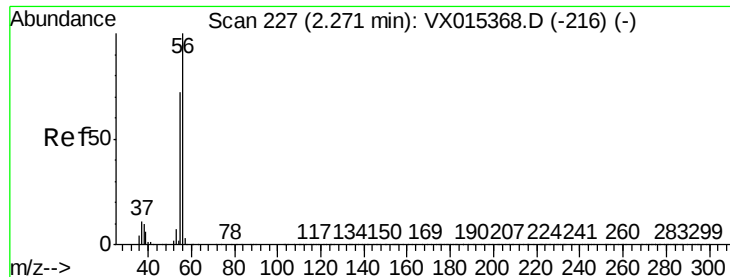
Tgt Ion: 59 Resp: 19538

Ion Ratio Lower Upper

59 100

57 4.8 8.1 12.1#





#13

Acrolein

Concen: 0.438 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

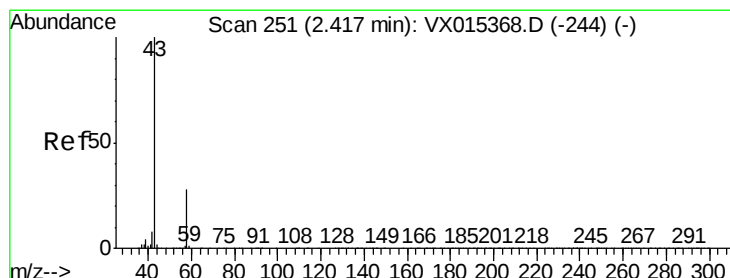
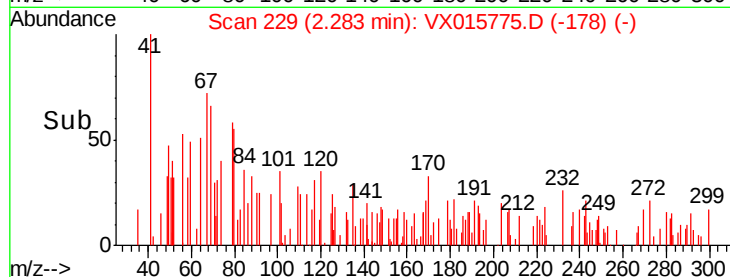
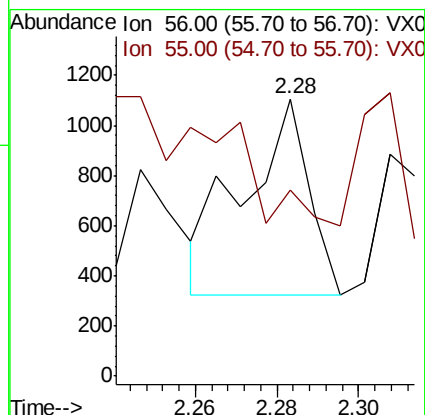
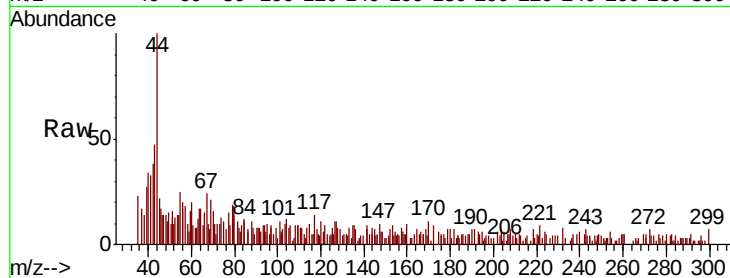
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 874

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 96.915 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015775.D

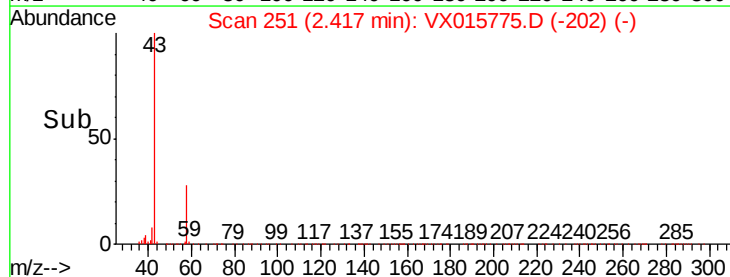
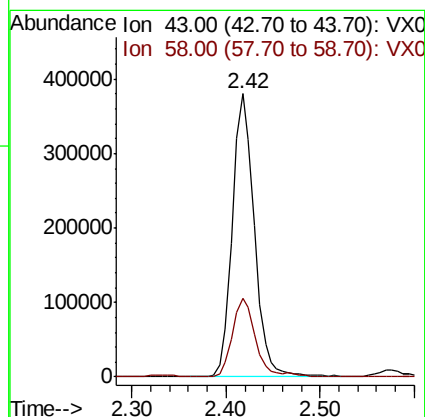
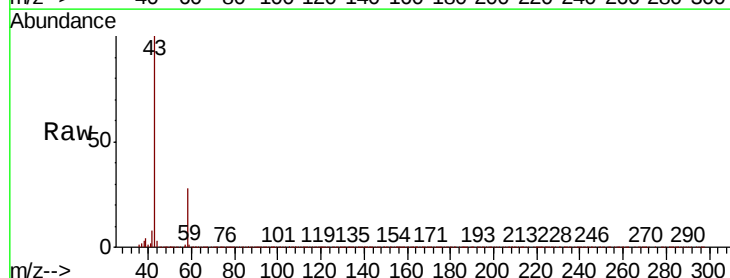
Acq: 20 Apr 2020 18:51

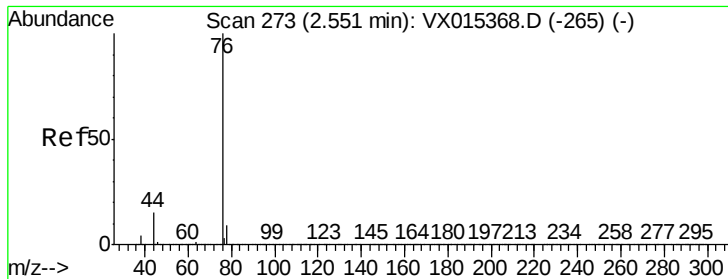
Tgt Ion: 43 Resp: 608862

Ion Ratio Lower Upper

43 100

58 27.9 22.1 33.1





#17

Carbon Disulfide

Concen: 5.635 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_X

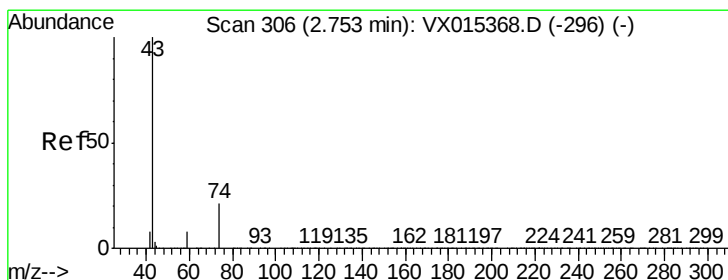
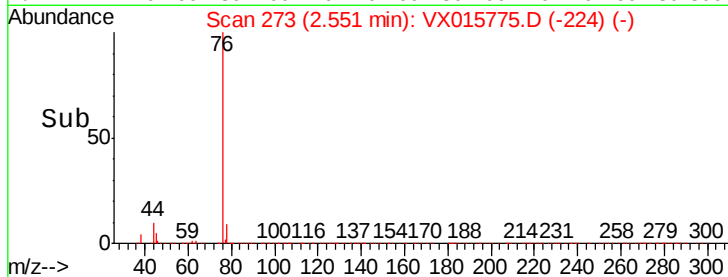
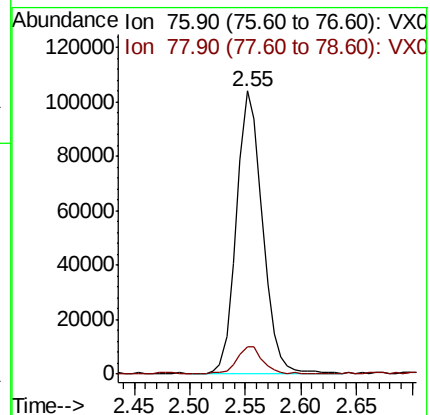
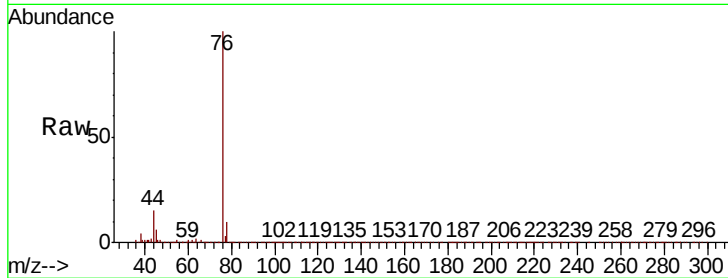
ClientSampleId :

Tot Ion: 76 Resp: 168266

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7



#18

Methyl Acetate

Concen: 0.761 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015775.D

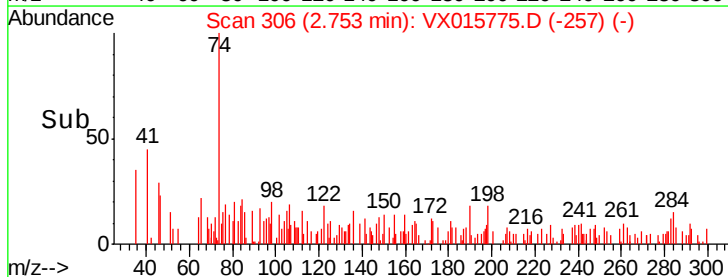
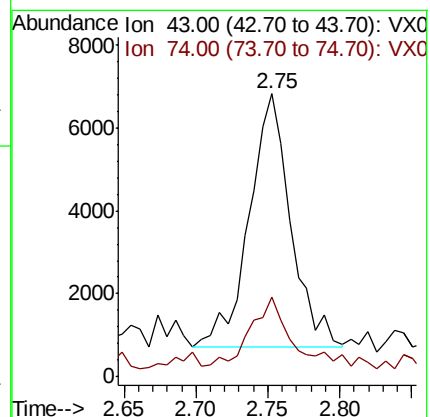
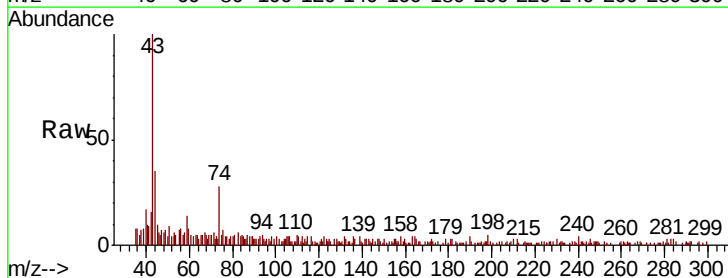
Acq: 20 Apr 2020 18:51

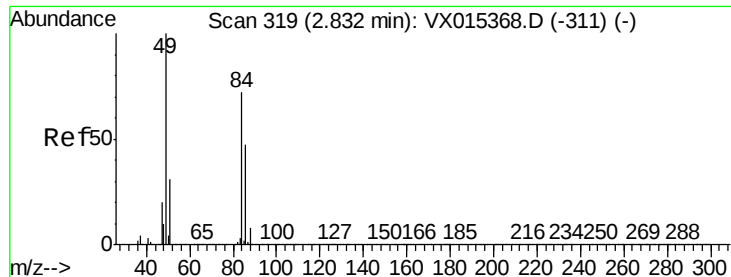
Tgt Ion: 43 Resp: 12204

Ion Ratio Lower Upper

43 100

74 30.0 16.5 24.7#

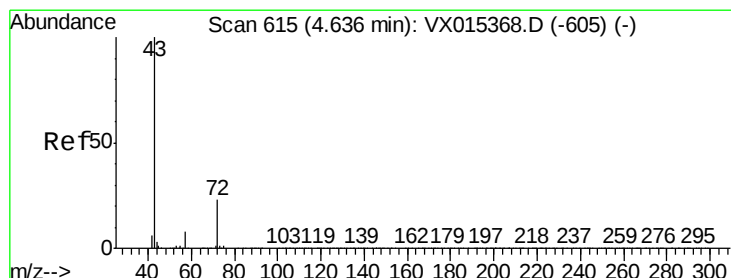
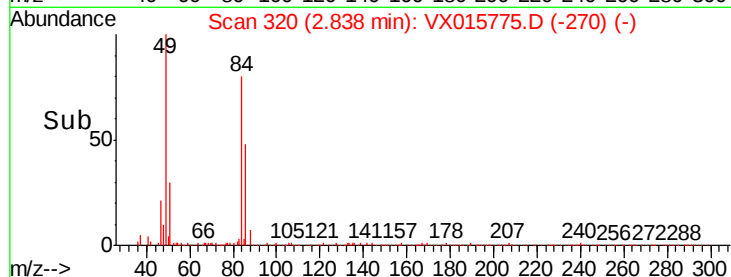
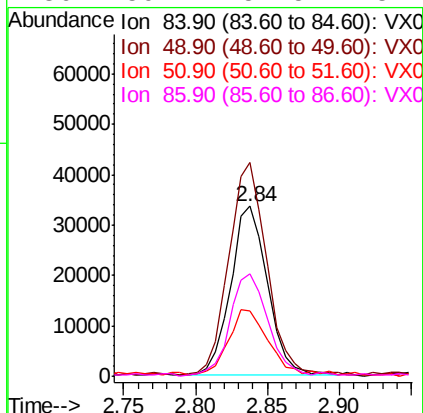
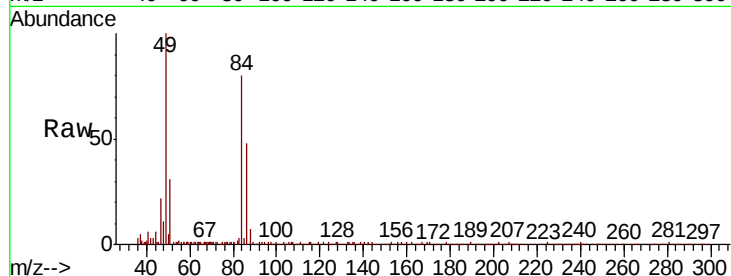




#20
Methvlene Chloride
Concen: 5.114 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015775.D
Acq: 20 Apr 2020 18:51

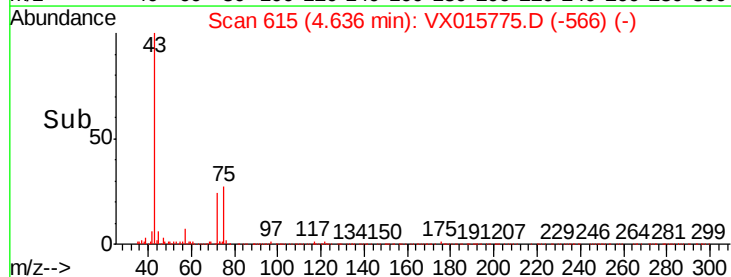
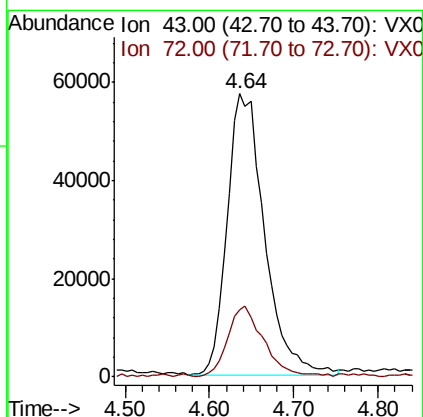
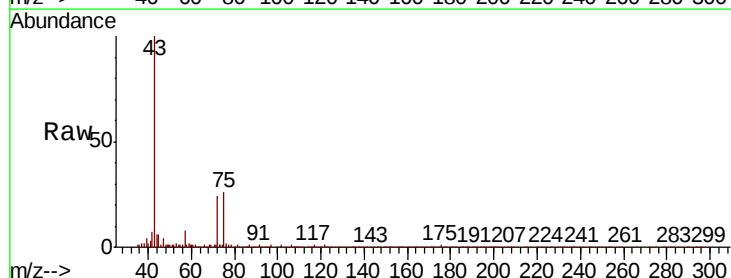
Instrument :
MSVOA_X
ClientSampleId :

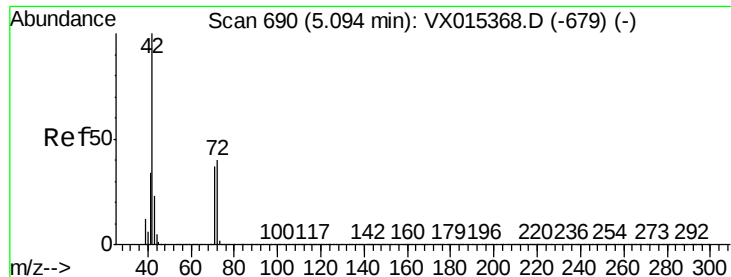
Tot Ion:	84	Resp:	60014
Ion	Ratio	Lower	Upper
84	100		
49	124.9	111.3	166.9
51	36.5	34.0	51.0
86	59.7	52.5	78.7



#25
2-Butanone
Concen: 17.063 ug/l
RT: 4.64 min Scan# 615
Delta R.T. 0.00 min
Lab File: VX015775.D
Acq: 20 Apr 2020 18:51

Tgt Ion:	43	Resp:	172396
Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.0	28.4

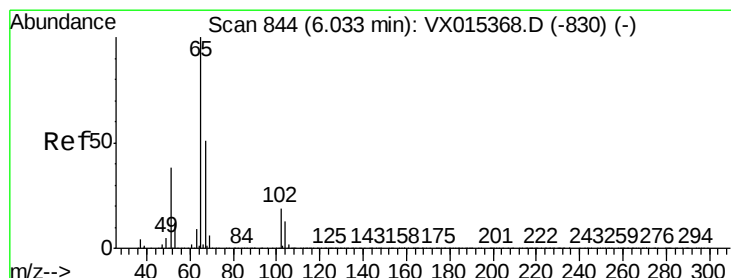
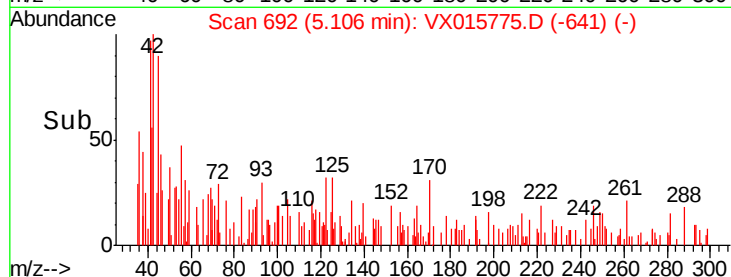
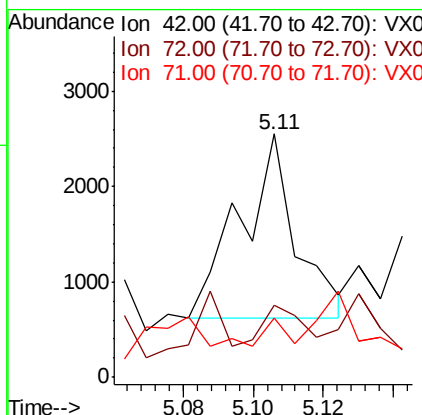
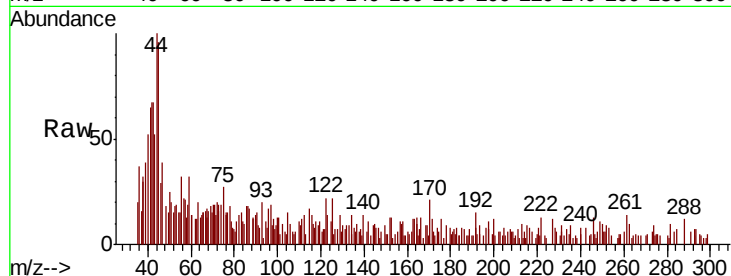




#29
Tetrahydrofuran
Concen: 0.329 ug/l
RT: 5.11 min Scan# 692
Delta R.T. 0.01 min
Lab File: VX015775.D
Acq: 20 Apr 2020 18:51

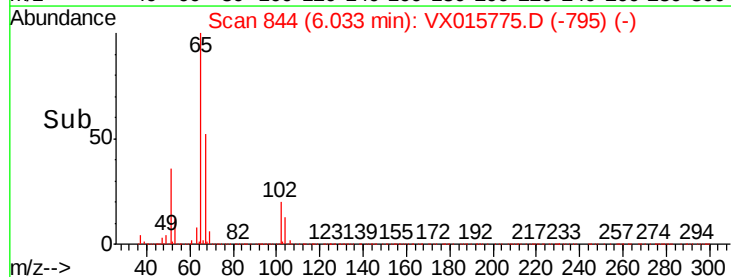
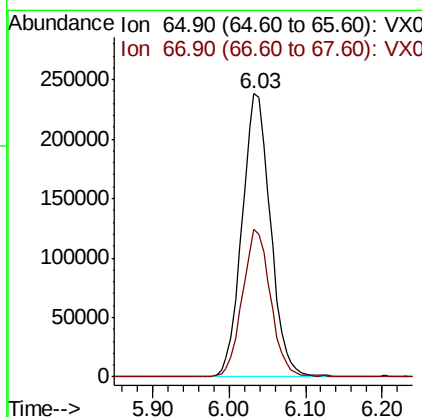
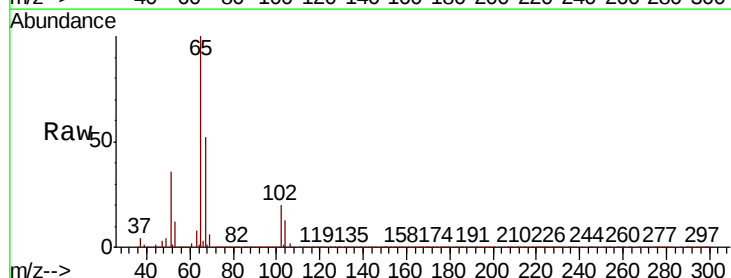
Instrument :
MSVOA_X
ClientSampleId :

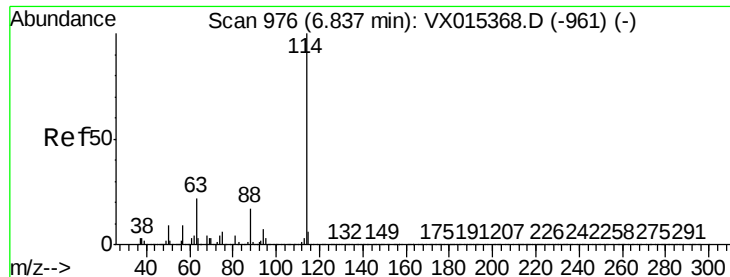
Tot Ion: 42 Resp: 2136
Ion Ratio Lower Upper
42 100
72 20.2 31.7 47.5#
71 0.0 29.6 44.4#



#33
1,2-Dichloroethane-d4
Concen: 42.000 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015775.D
Acq: 20 Apr 2020 18:51

Tgt Ion: 65 Resp: 614164
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_X

ClientSampled :

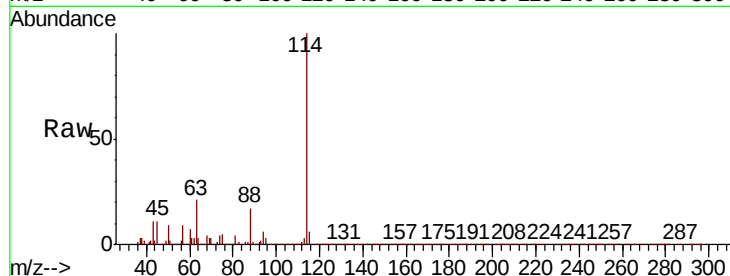
Tot Ion:114 Resp: 1608388

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.2

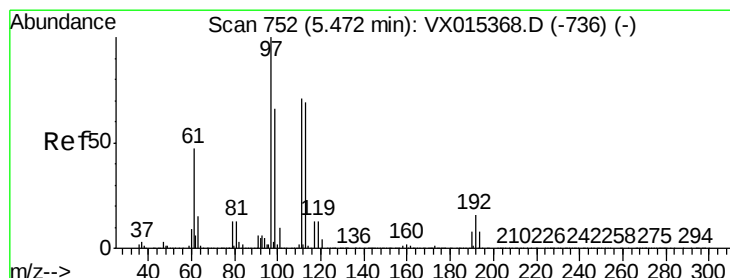
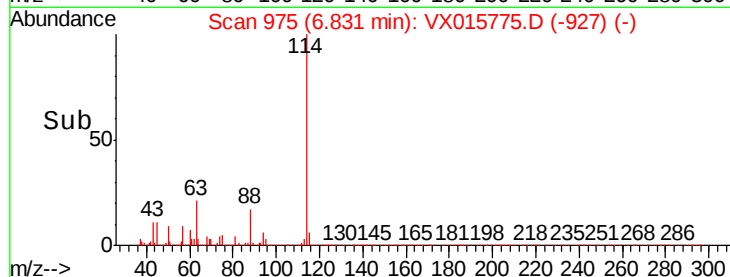
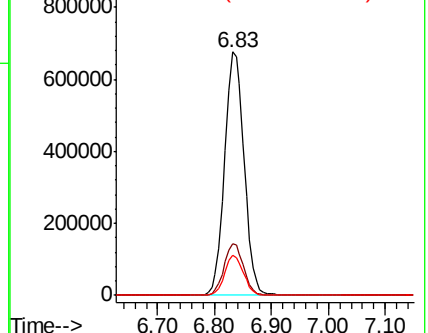
88 16.5 0.0 33.8



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: 47.892 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

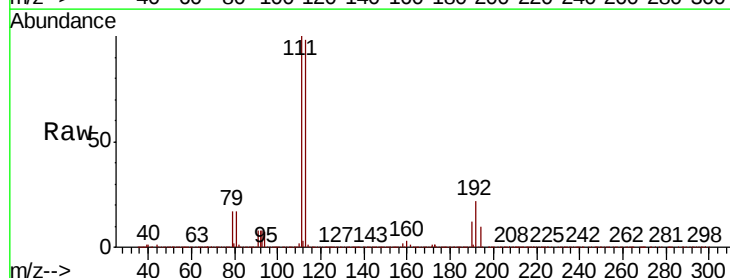
Tgt Ion:113 Resp: 492394

Ion Ratio Lower Upper

113 100

111 103.3 81.5 122.3

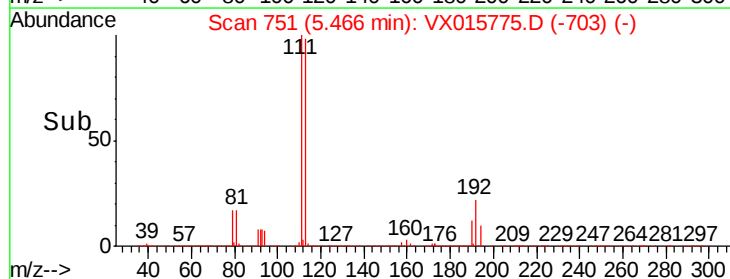
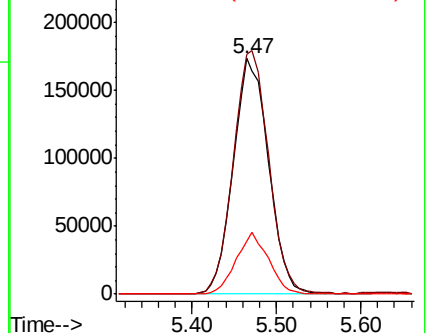
192 23.8 17.8 26.6

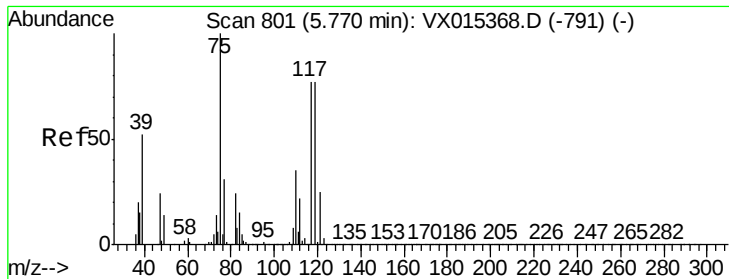


Abundance Ion 112.80 (112.50 to 113.50): V

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: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015775.D

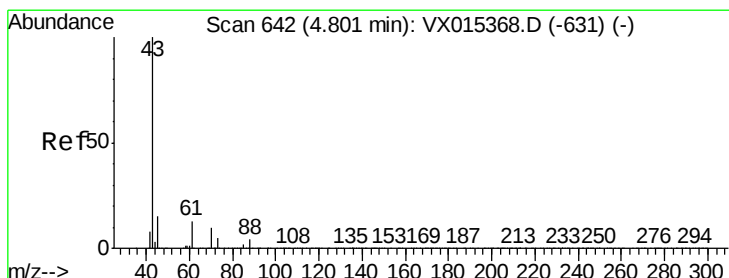
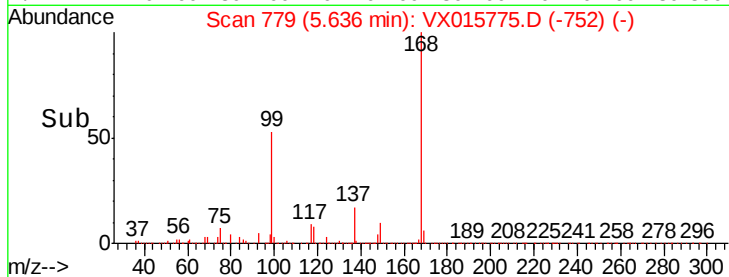
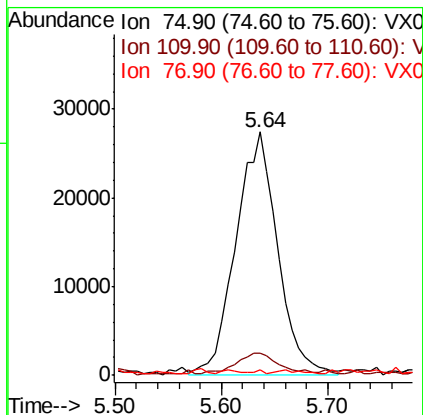
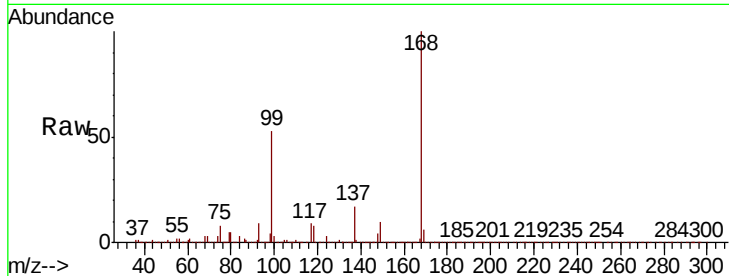
Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	75	Resp:	75790
Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.1	51.3#
77	0.0	24.6	36.8#



#37

Ethyl Acetate

Concen: 8.934 ug/l

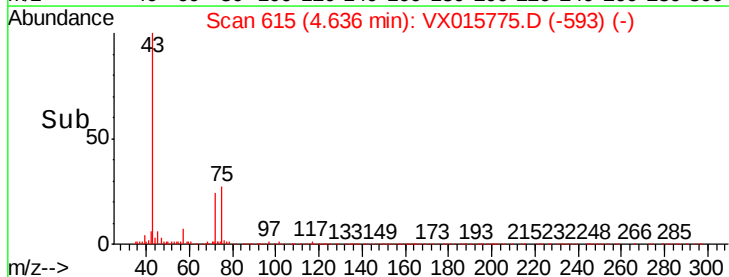
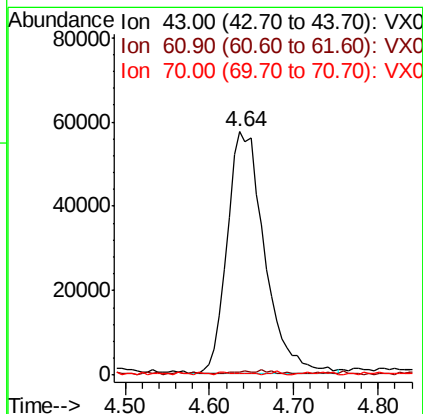
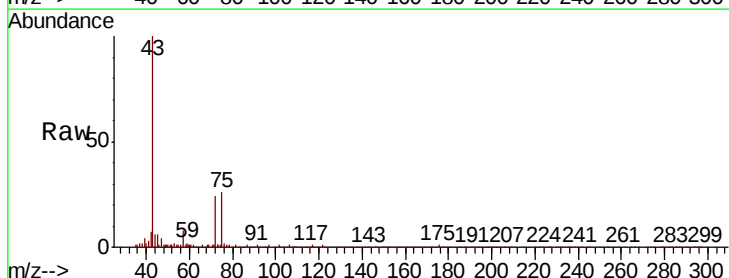
RT: 4.64 min Scan# 615

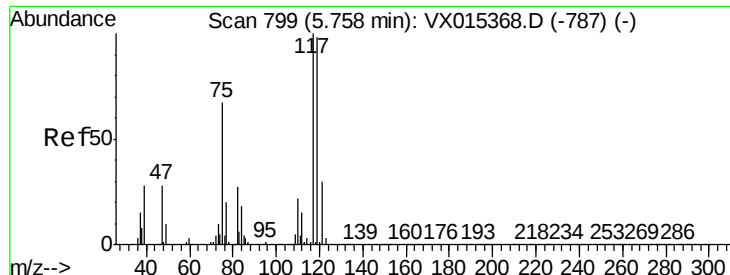
Delta R.T. -0.16 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

Tgt Ion:	43	Resp:	172396
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9#
70	0.4	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 5.747 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_X

ClientSampleId :

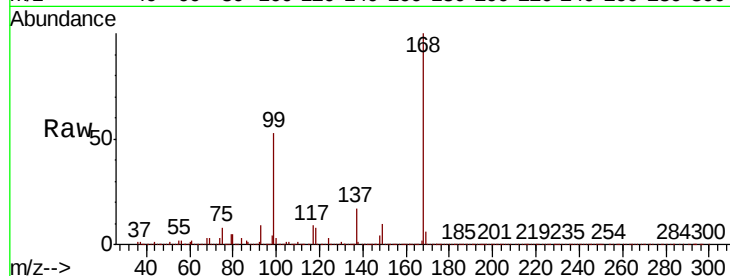
Tot Ion:117 Resp: 92242

Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

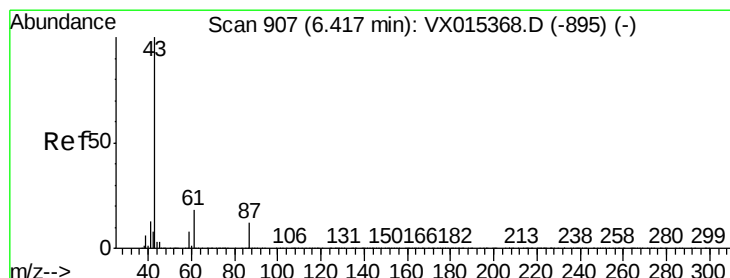
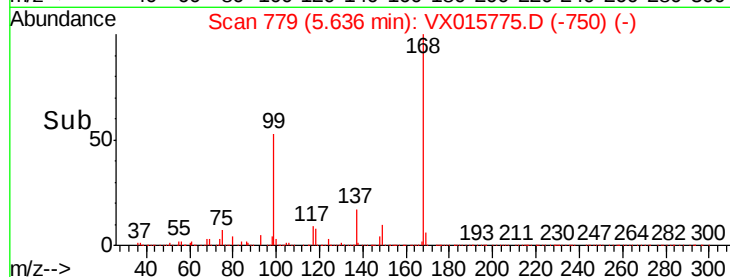
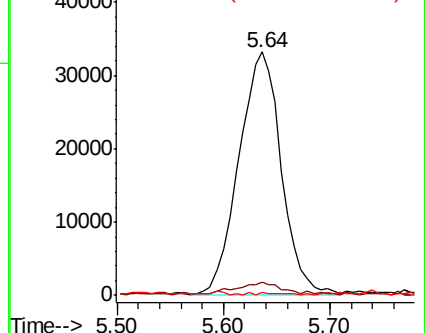
121 0.6 23.8 35.8#



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: 5.356 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

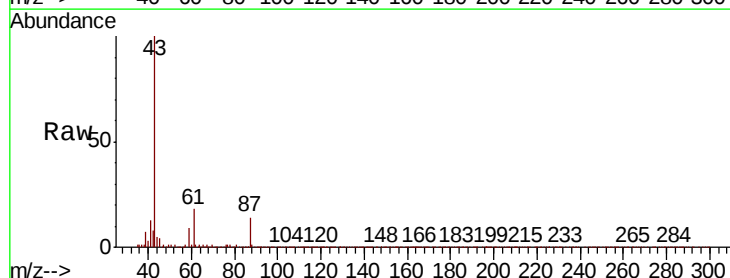
Tgt Ion: 43 Resp: 174474

Ion Ratio Lower Upper

43 100

61 20.5 14.8 22.2

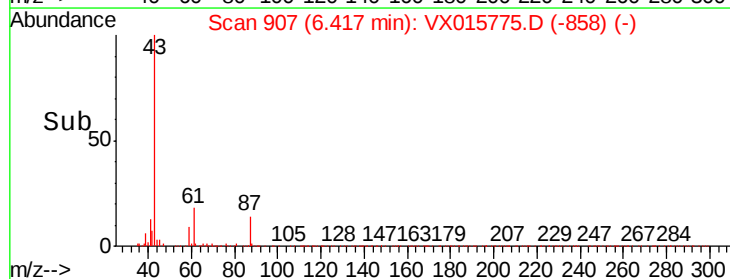
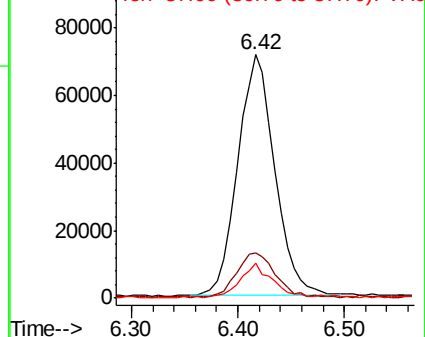
87 11.7 9.4 14.0

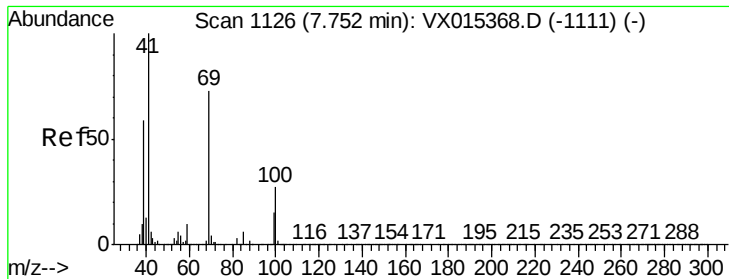


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

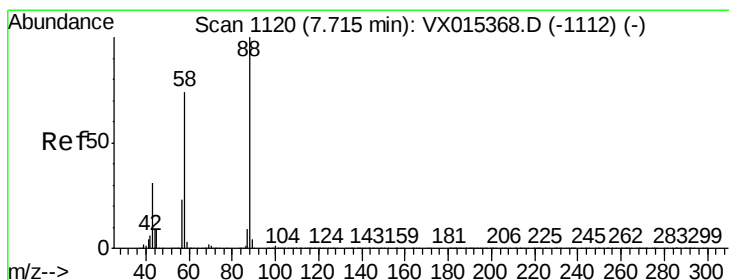
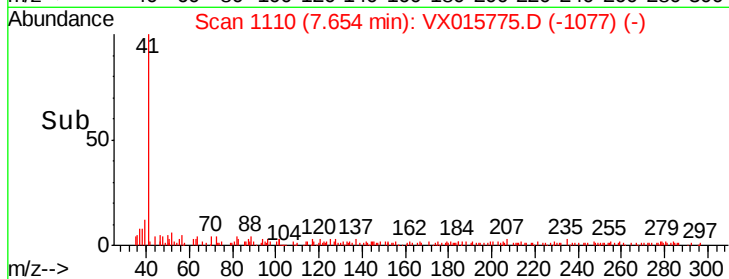
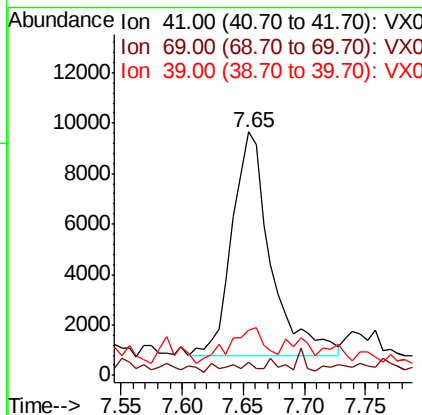
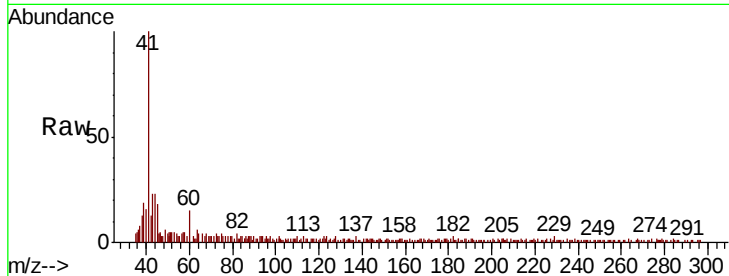




#48
Methvl methacrylate
Concen: 1.180 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015775.D
Acq: 20 Apr 2020 18:51

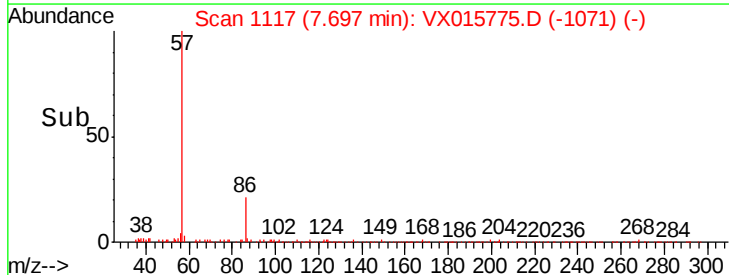
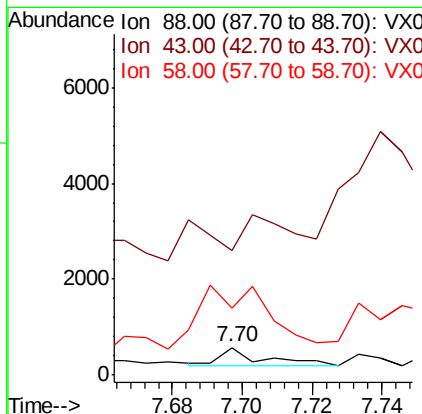
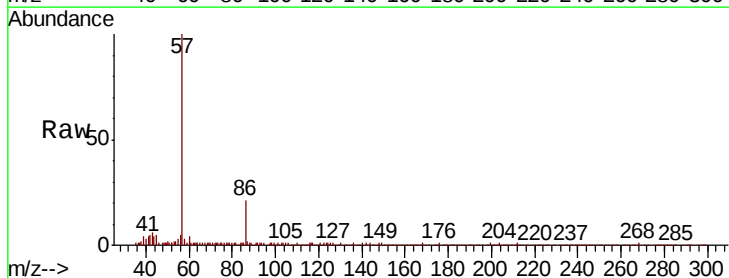
Instrument :
MSVOA_X
ClientSampleId :

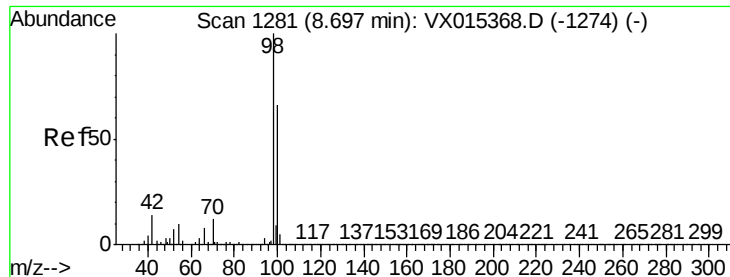
Tot Ion: 41 Resp: 19202
Ion Ratio Lower Upper
41 100
69 1.0 56.7 85.1#
39 15.4 46.5 69.7#



#49
1,4-Dioxane
Concen: 1.087 ug/l
RT: 7.70 min Scan# 1117
Delta R.T. -0.02 min
Lab File: VX015775.D
Acq: 20 Apr 2020 18:51

Tgt Ion: 88 Resp: 330
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 1011.2 60.6 90.8#

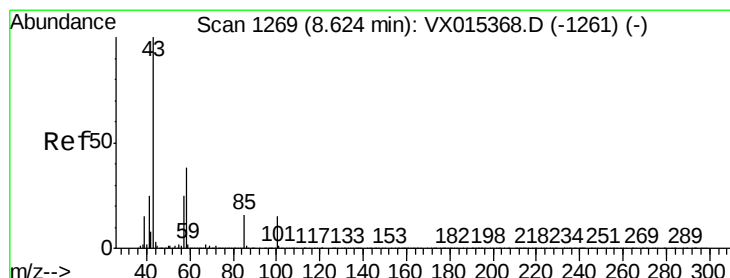
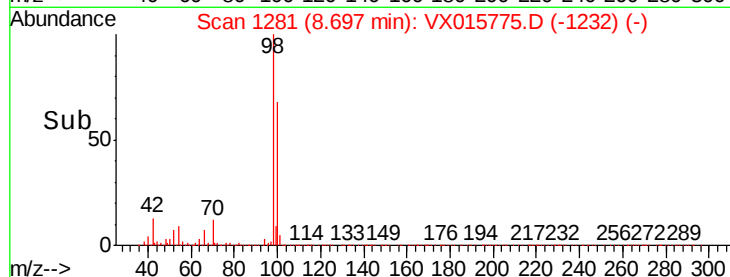
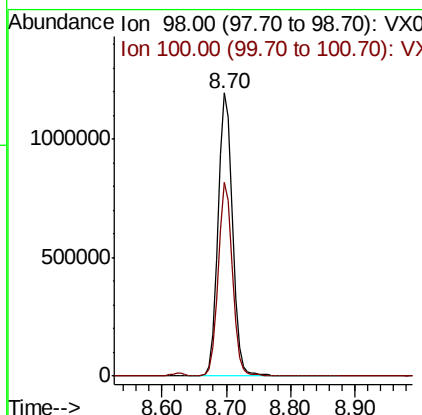
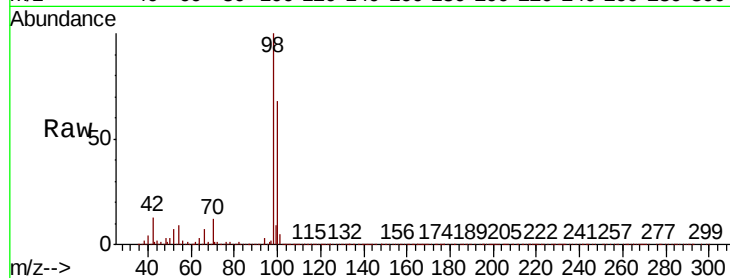




#50
Toluene-d8
Concen: 50.402 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015775.D
Acq: 20 Apr 2020 18:51

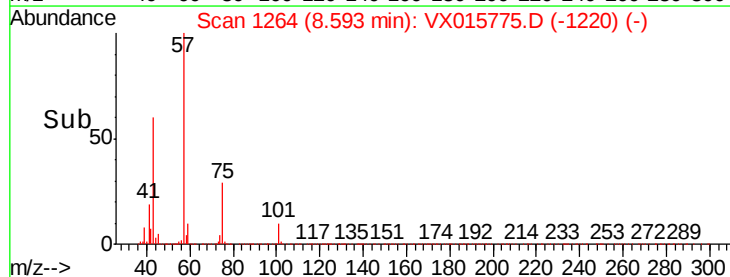
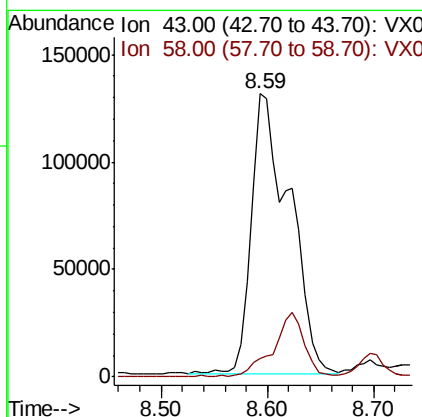
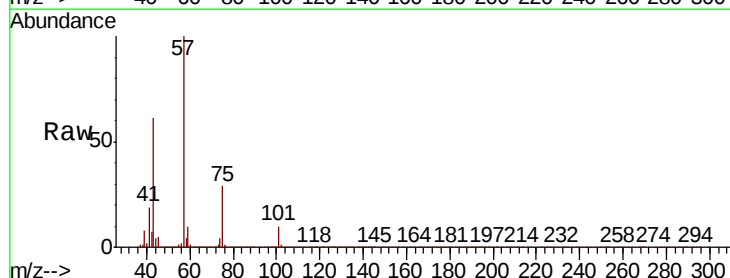
Instrument :
MSVOA_X
ClientSampled :

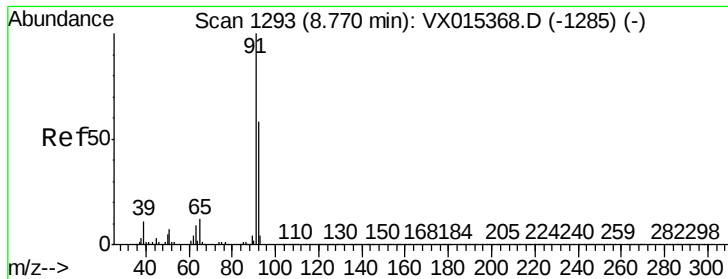
Tot Ion: 98 Resp: 1907867
Ion Ratio Lower Upper
98 100
100 66.9 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 17.741 ug/l
RT: 8.59 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VX015775.D
Acq: 20 Apr 2020 18:51

Tgt Ion: 43 Resp: 327504
Ion Ratio Lower Upper
43 100
58 0.0 29.7 44.5#





#52

Toluene

Concen: 0.317 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

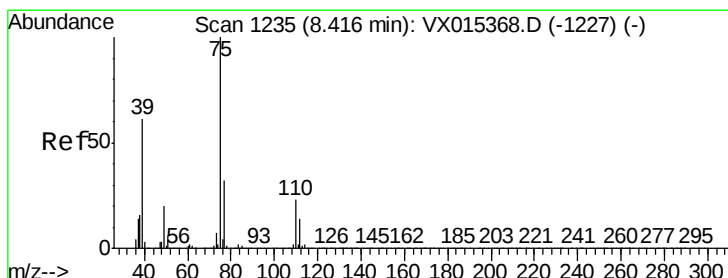
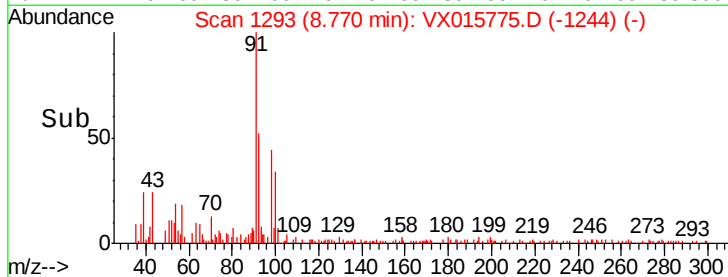
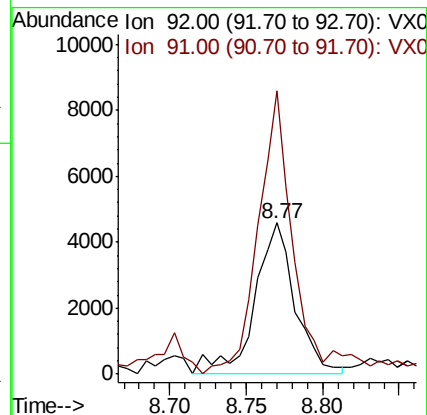
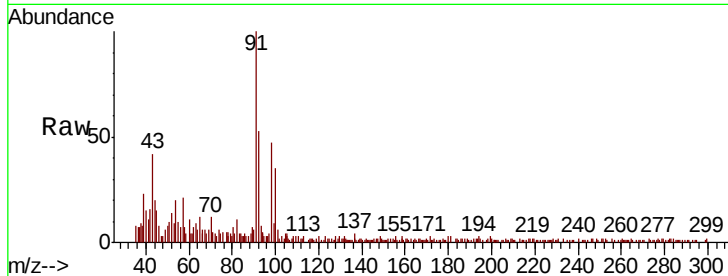
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 92 Resp: 8472

Ion Ratio Lower Upper

92 100

91 164.1 136.6 205.0



#54

cis-1,3-Dichloropropene

Concen: 4.764 ug/l

RT: 8.59 min Scan# 1264

Delta R.T. 0.18 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

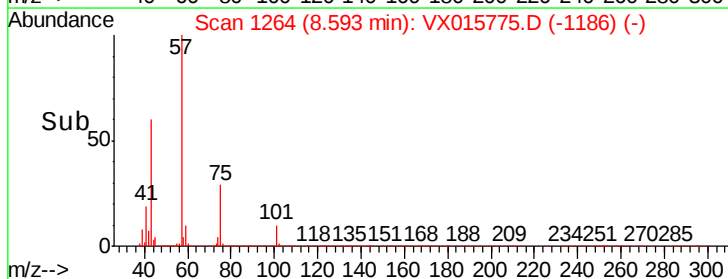
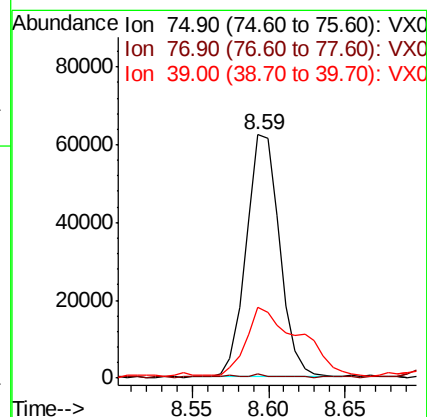
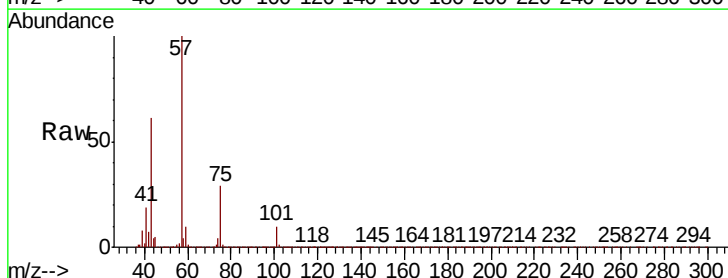
Tgt Ion: 75 Resp: 94464

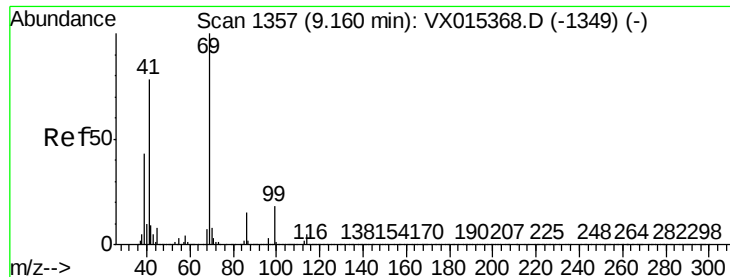
Ion Ratio Lower Upper

75 100

77 1.0 25.8 38.6#

39 27.9 49.0 73.4#

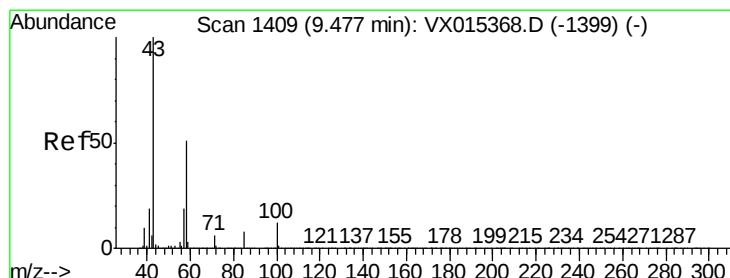
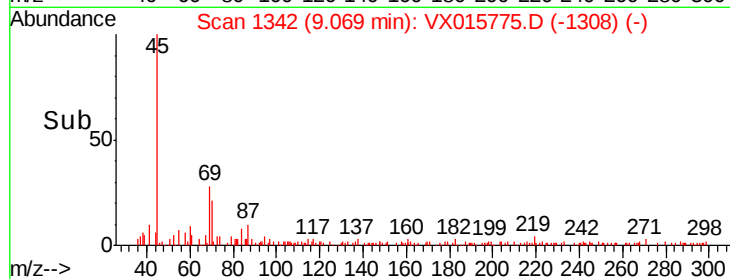
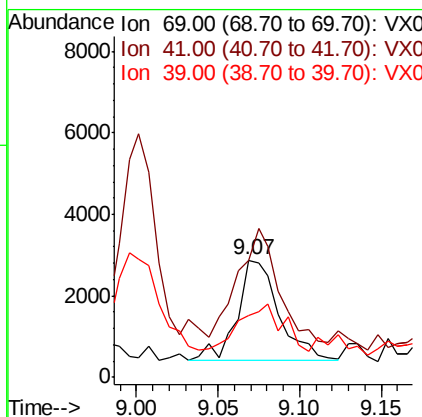
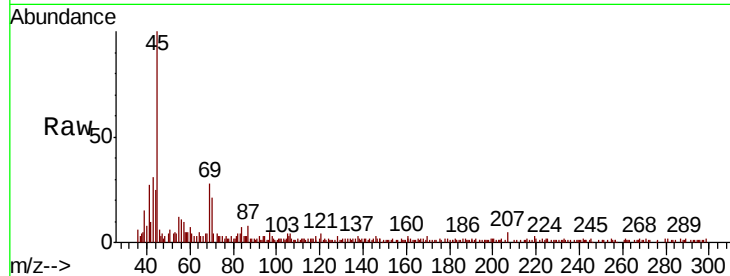




#56
Ethyl methacrylate
Concen: 0.228 ug/l
RT: 9.07 min Scan# 1342
Delta R.T. -0.09 min
Lab File: VX015775.D
Acq: 20 Apr 2020 18:51

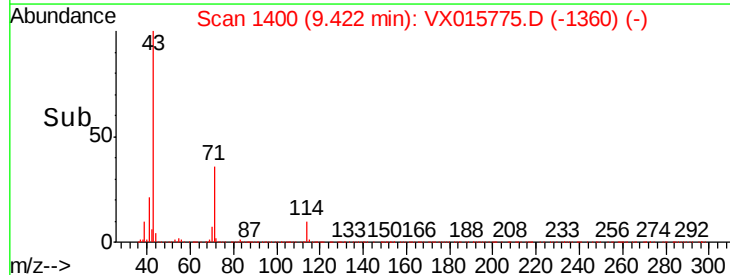
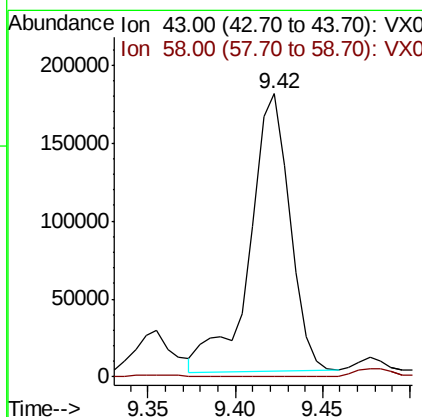
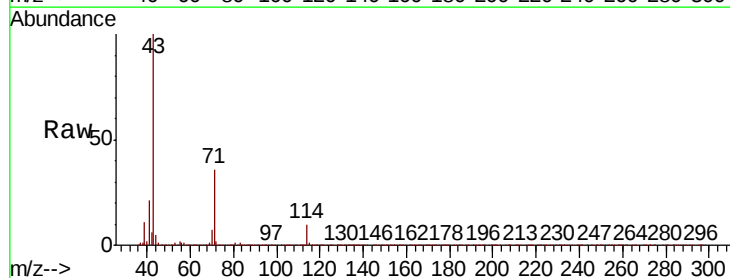
Instrument :
MSVOA_X
ClientSampled :

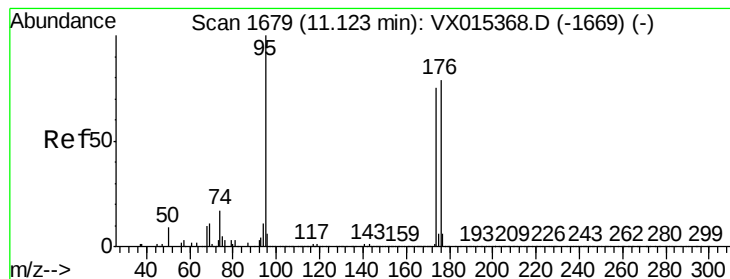
Tot Ion: 69 Resp: 4398
Ion Ratio Lower Upper
69 100
41 115.3 61.6 92.4#
39 49.8 34.0 51.0



#59
2-Hexanone
Concen: 20.341 ug/l
RT: 9.42 min Scan# 1400
Delta R.T. -0.05 min
Lab File: VX015775.D
Acq: 20 Apr 2020 18:51

Tgt Ion: 43 Resp: 283494
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 52.954 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_X

ClientSampleId :

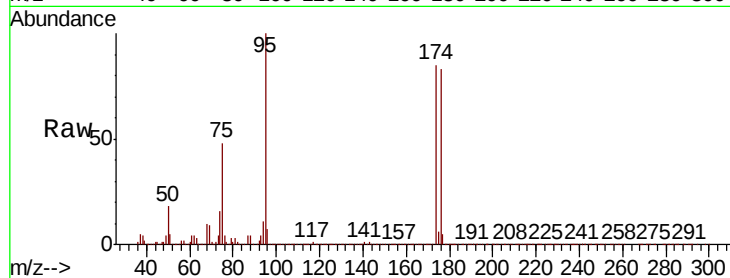
Tot Ion: 95 Resp: 814610

Ion Ratio Lower Upper

95 100

174 87.7 0.0 158.6

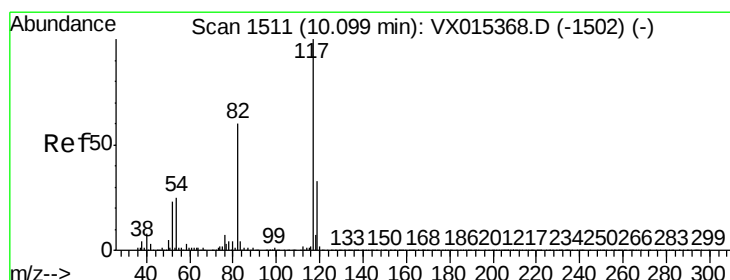
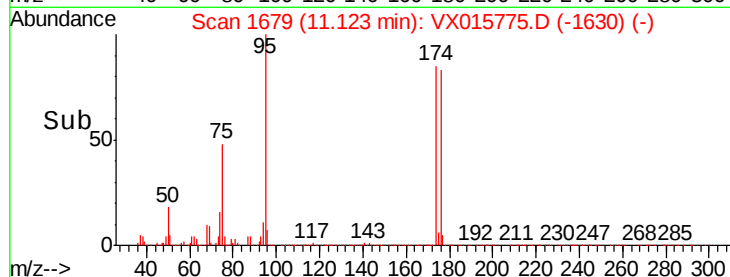
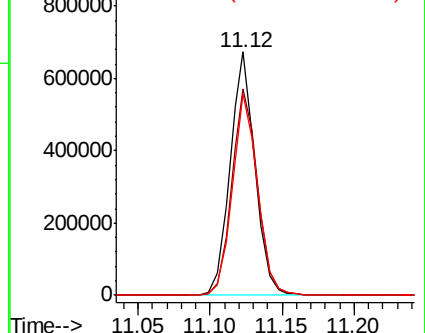
176 83.9 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

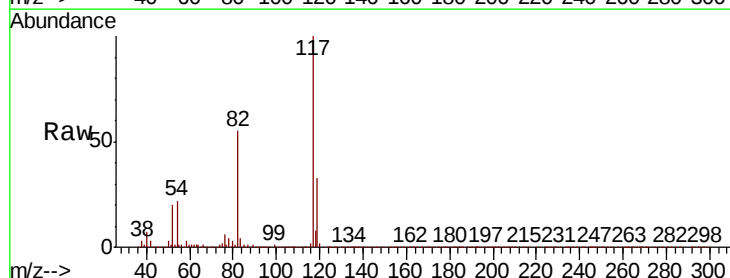
Tgt Ion: 117 Resp: 1527864

Ion Ratio Lower Upper

117 100

82 55.0 47.8 71.8

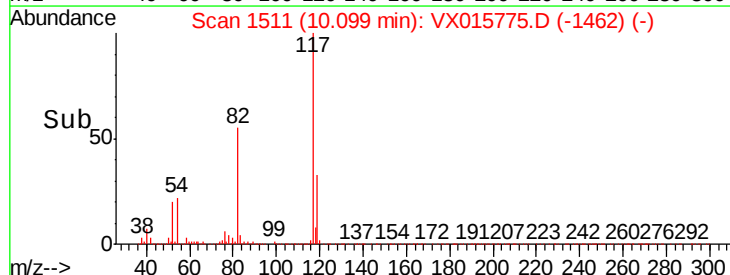
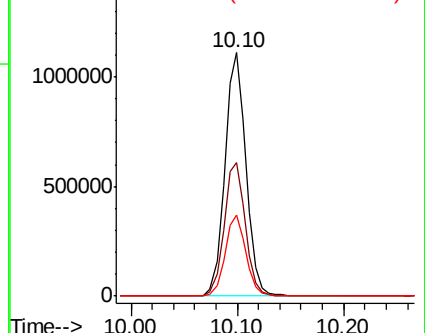
119 33.5 26.8 40.2

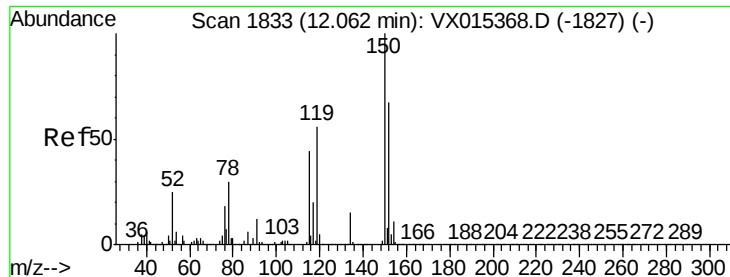


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_X

ClientSampled :

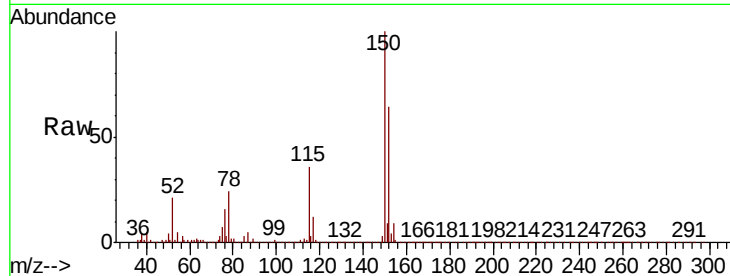
Tot Ion:152 Resp: 868131

Ion Ratio Lower Upper

152 100

115 55.9 39.0 116.9

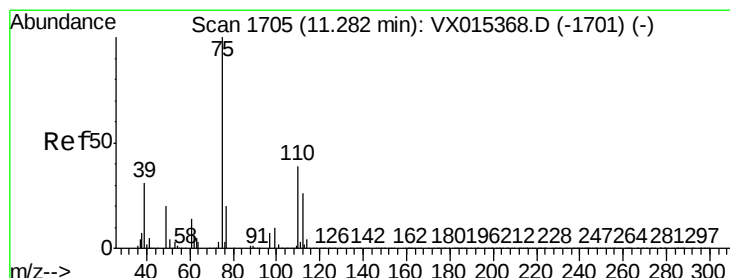
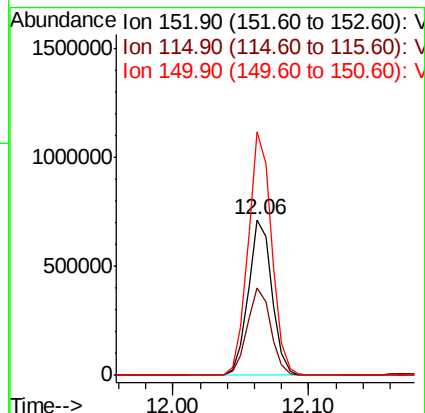
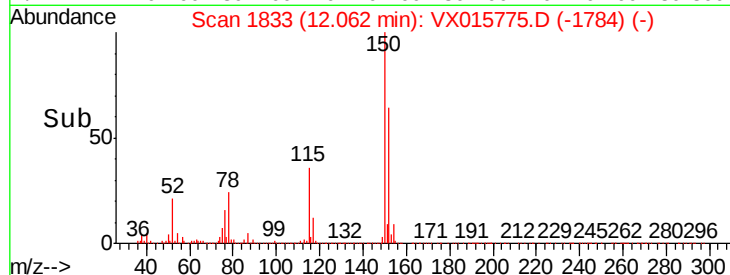
150 155.4 0.0 340.8



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



#76

1,2,3-Trichloropropane

Concen: 22.462 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015775.D

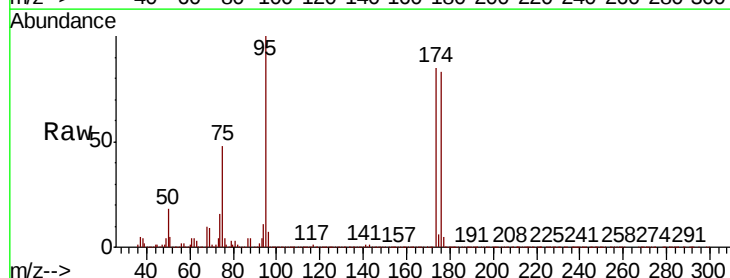
Acq: 20 Apr 2020 18:51

Tgt Ion: 75 Resp: 401001

Ion Ratio Lower Upper

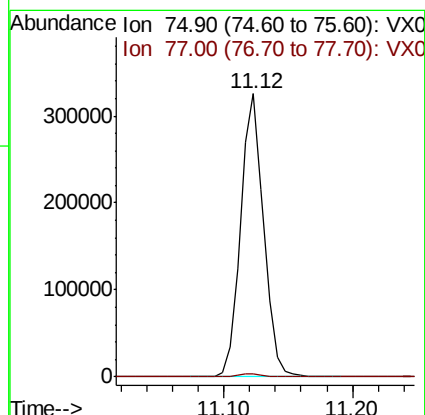
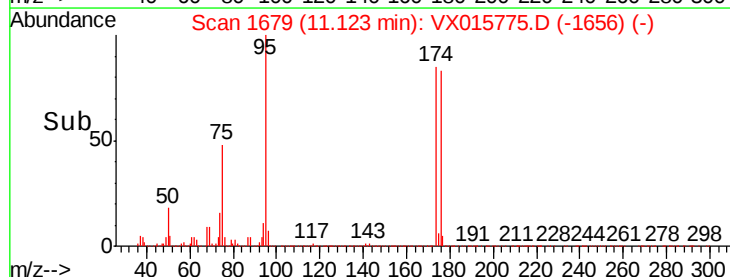
75 100

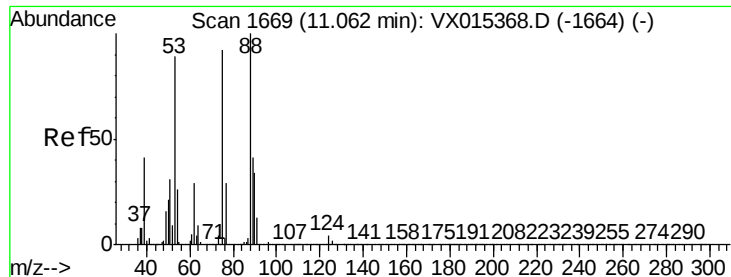
77 1.5 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.897 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015775.D

Acq: 20 Apr 2020 18:51

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 401001

Ion Ratio Lower Upper

75 100

53 0.4 80.1 120.1#

89 0.1 36.1 54.1#

