

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040620\
 Data File : VX015525.D
 Acq On : 06 Apr 2020 19:57
 Operator : JC/SP
 Sample : L2097-15 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40788

Quant Time: Apr 07 05:07:12 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	5.64	168	1152589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1849726	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1786450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	1031072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	758762	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	5.47	113	581580	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	8.70	98	2235448	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	11.12	95	999294	56.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.96%	

Target Compounds

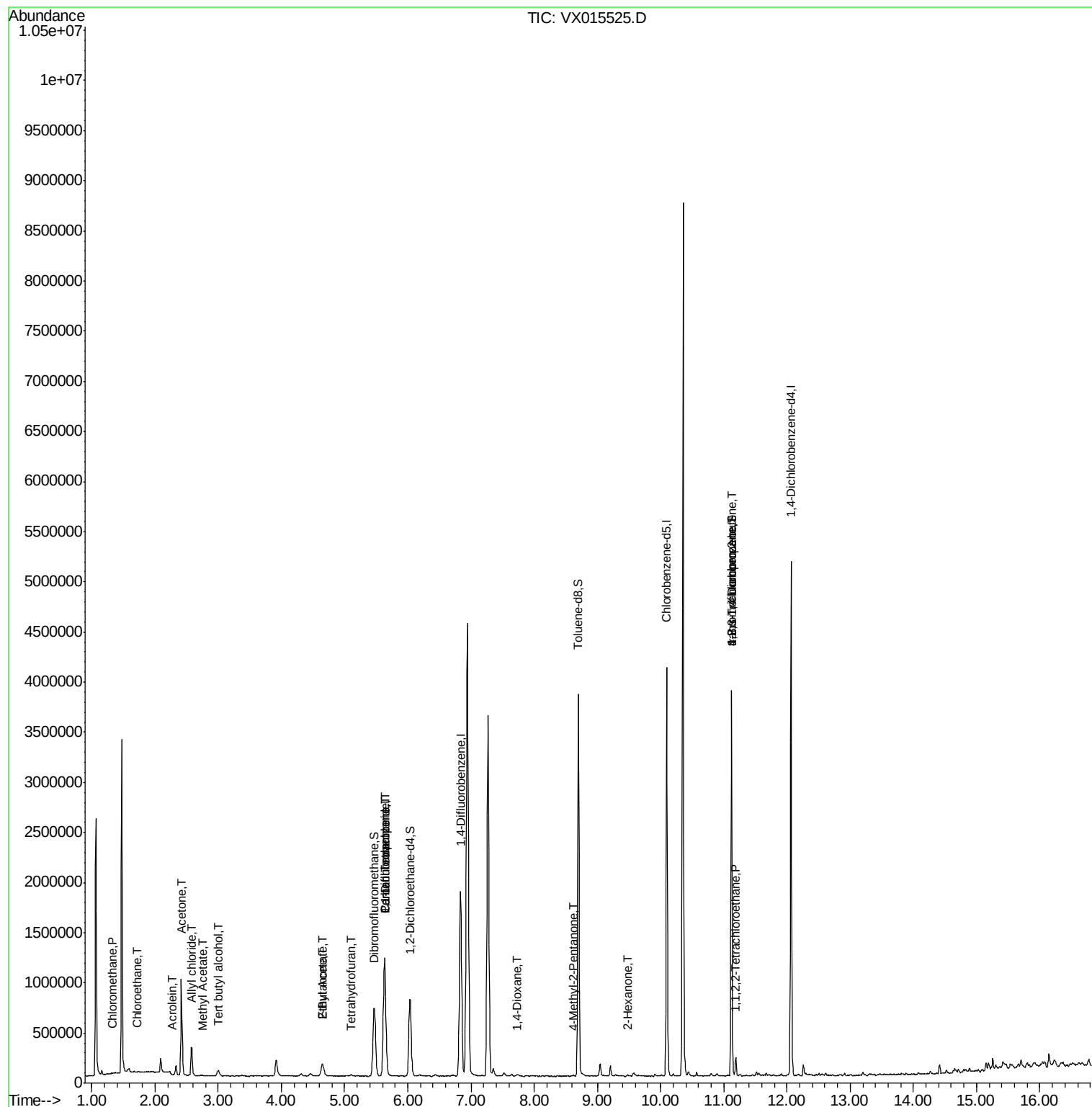
					Qvalue	
3) Chloromethane	1.31	50	3031	0.234	ug/l #	80
5) Bromomethane	1.64	94	447	Below Cal	#	4
6) Chloroethane	1.72	64	2042	0.277	ug/l #	39
11) Tert butyl alcohol	3.00	59	58028	14.914	ug/l	97
13) Acrolein	2.28	56	1856	0.837	ug/l #	71
14) Allyl chloride	2.58	41	27813	1.094	ug/l #	64
16) Acetone	2.42	43	1007560	144.268	ug/l	99
18) Methyl Acetate	2.76	43	8130	0.456	ug/l #	56
25) 2-Butanone	4.64	43	101492	9.036	ug/l	96
29) Tetrahydrofuran	5.11	42	1638	0.227	ug/l #	84
36) 1,1-Dichloropropene	5.63	75	86250	5.061	ug/l #	53
37) Ethyl Acetate	4.64	43	101492	4.573	ug/l #	76
38) Carbon Tetrachloride	5.64	117	111125	6.020	ug/l #	13
49) 1,4-Dioxane	7.73	88	1866	5.346	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	5319	0.251	ug/l #	79
59) 2-Hexanone	9.48	43	12137	0.757	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.19	83	68117	2.938	ug/l #	36
76) 1,2,3-Trichloropropane	11.12	75	516369	24.353	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	516369	58.435	ug/l #	10

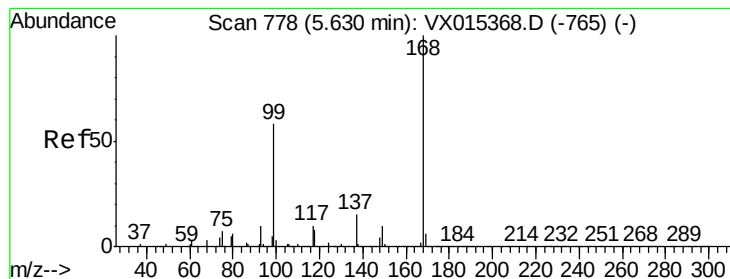
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015525.D

Acq: 06 Apr 2020 19:57

Instrument :

MSVOA_X

ClientSampleId :

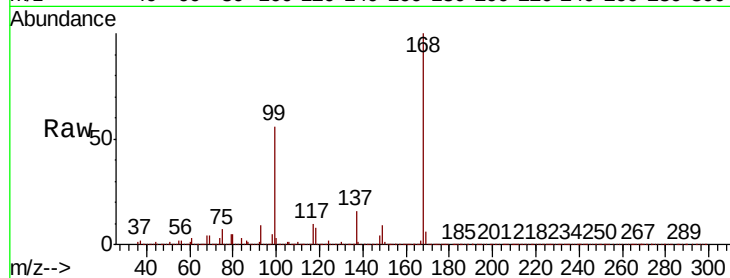
40788

Tot Ion:168 Resp: 1152589

Ion Ratio Lower Upper

168 100

99 56.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

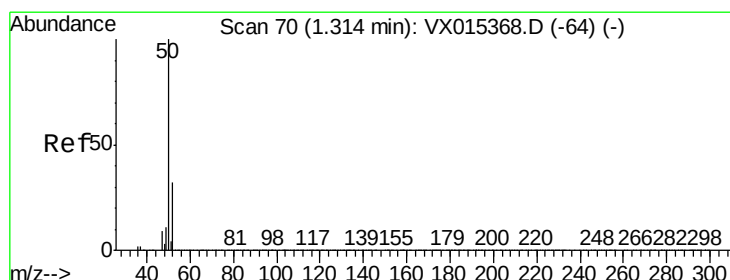
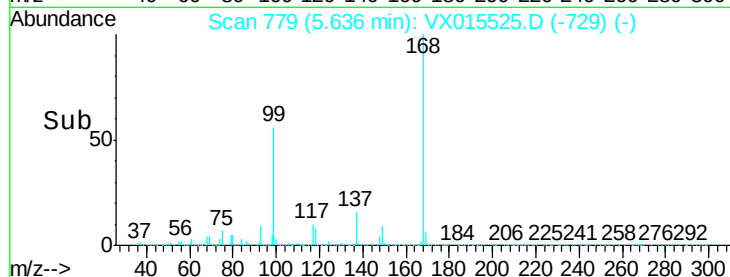
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015525.D

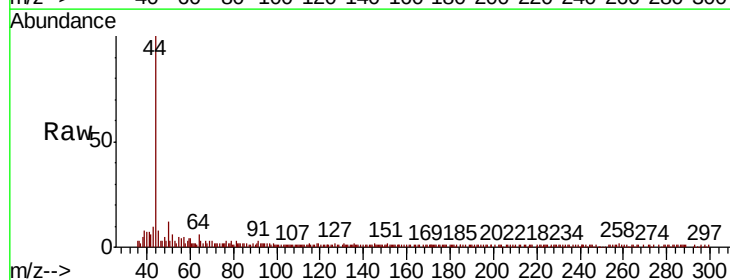
Acq: 06 Apr 2020 19:57

Tgt Ion: 50 Resp: 3031

Ion Ratio Lower Upper

50 100

52 42.8 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2500

2000

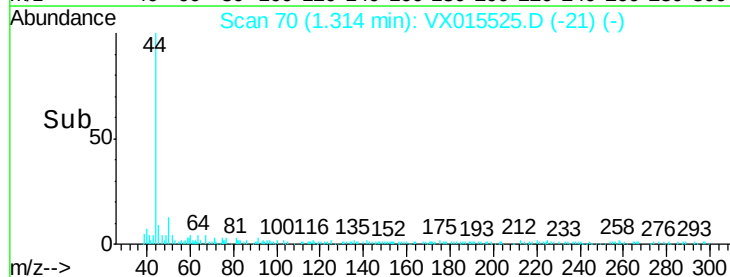
1500

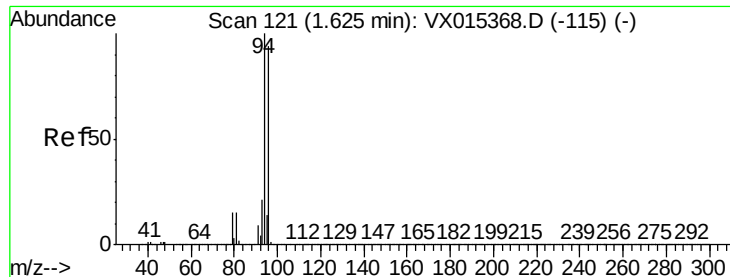
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015525.D

Acq: 06 Apr 2020 19:57

Instrument :

MSVOA_X

ClientSampled :

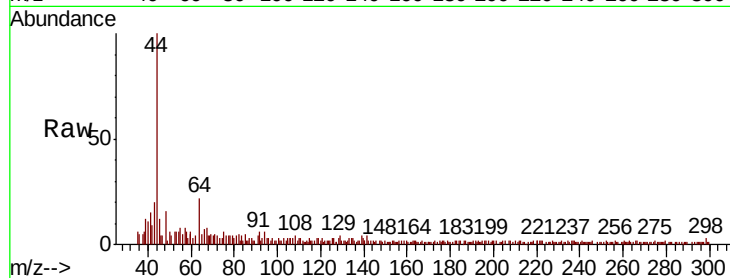
40788

Tot Ion: 94 Resp: 447

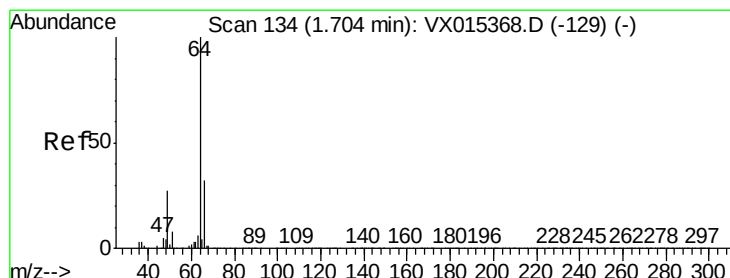
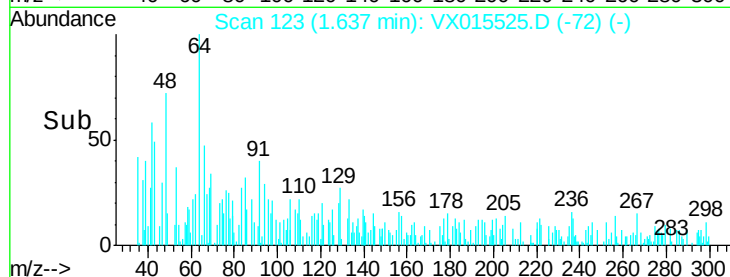
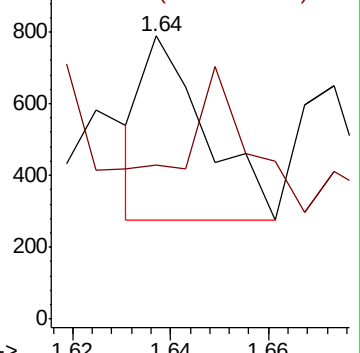
Ion Ratio Lower Upper

94 100

96 1.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 0.277 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX015525.D

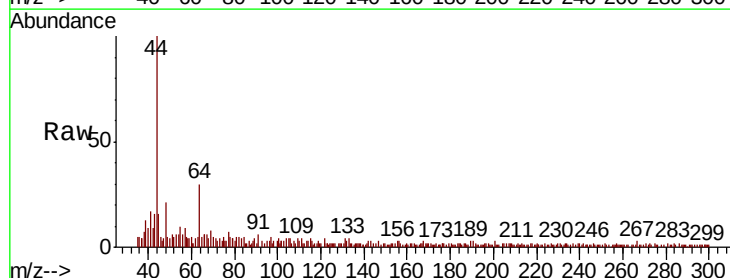
Acq: 06 Apr 2020 19:57

Tgt Ion: 64 Resp: 2042

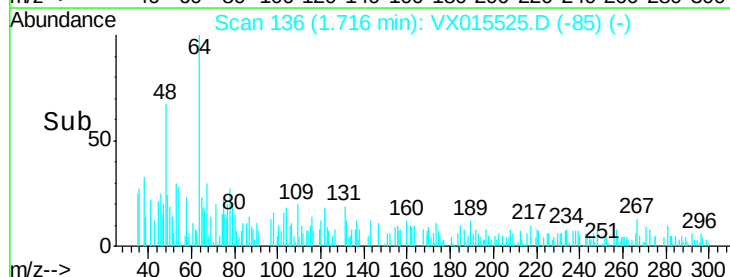
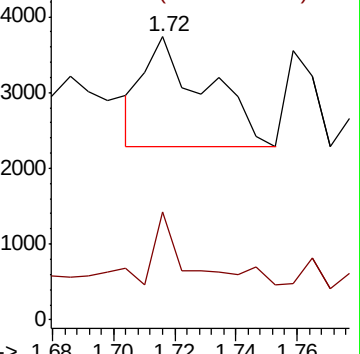
Ion Ratio Lower Upper

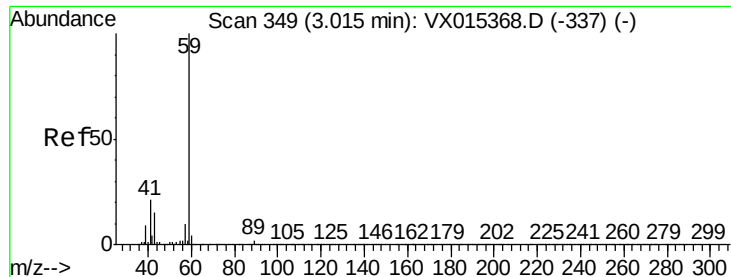
64 100

66 65.9 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

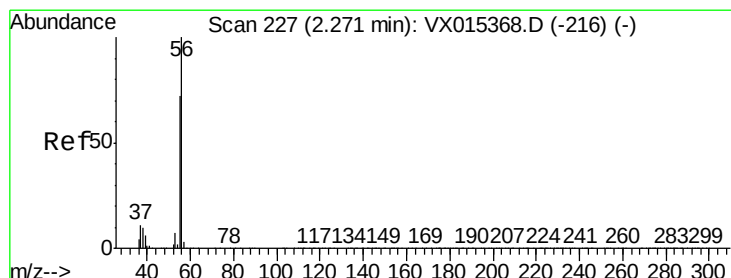
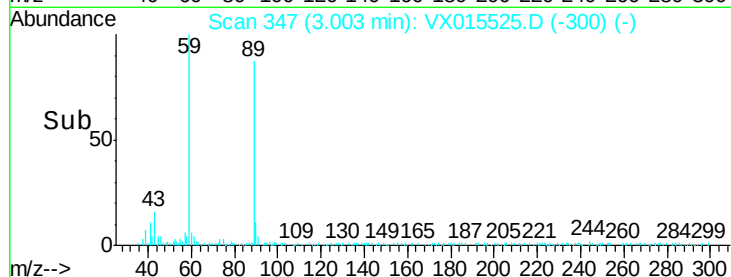
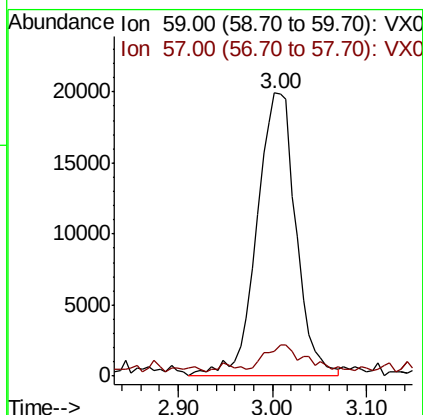
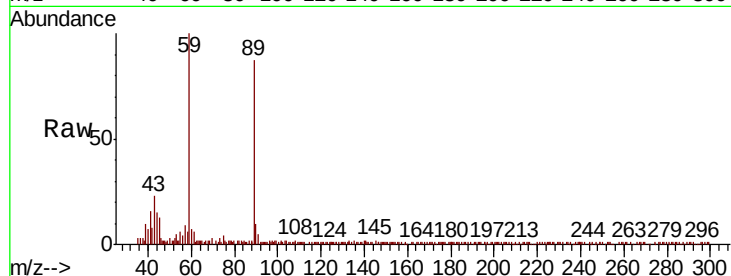




#11
Tert butyl alcohol
Concen: 14.914 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

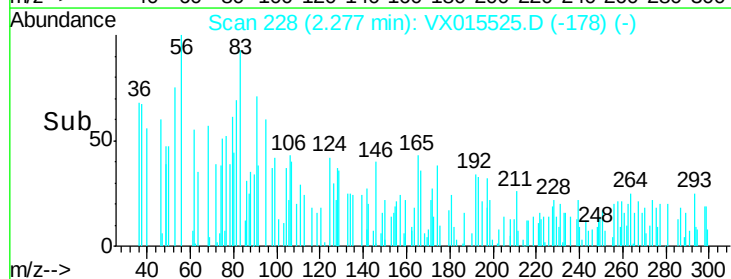
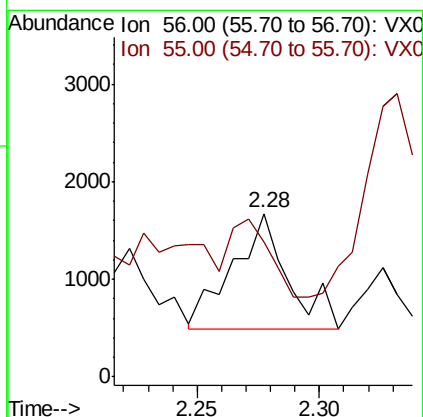
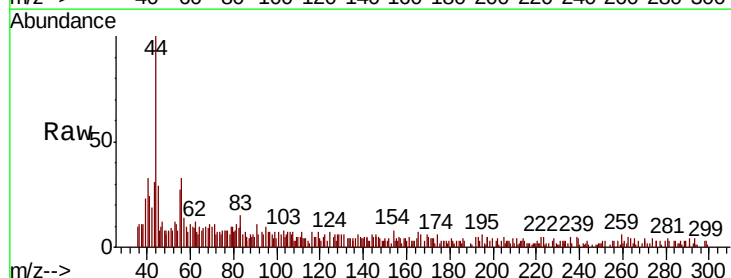
Instrument :
MSVOA_X
ClientSampleId :
40788

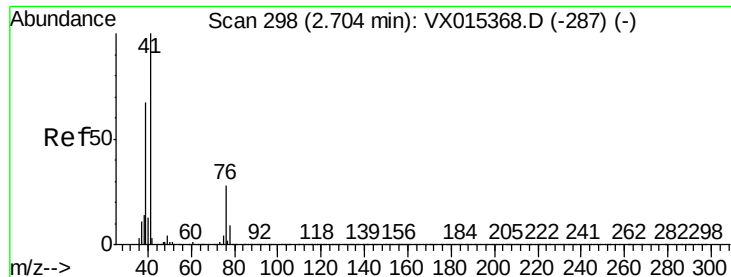
Tot Ion: 59 Resp: 58028
Ion Ratio Lower Upper
59 100
57 8.8 8.1 12.1



#13
Acrolein
Concen: 0.837 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

Tgt Ion: 56 Resp: 1856
Ion Ratio Lower Upper
56 100
55 46.9 57.0 85.4#

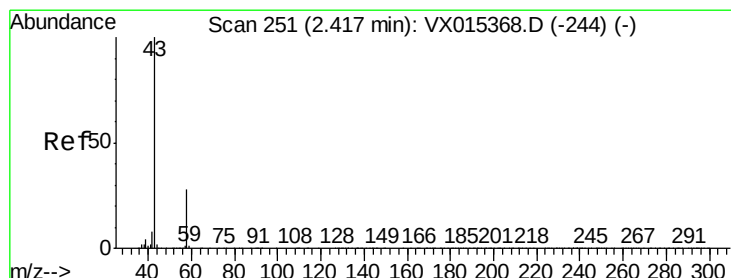
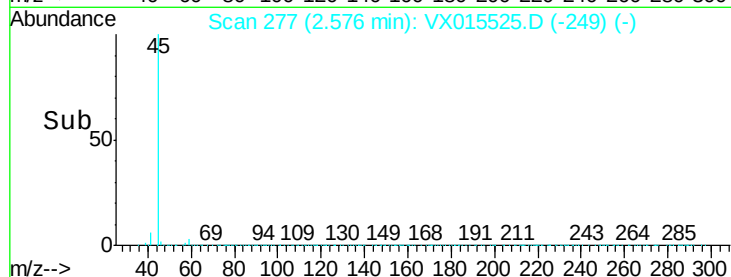
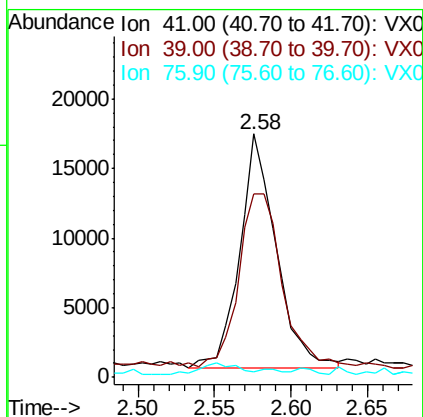
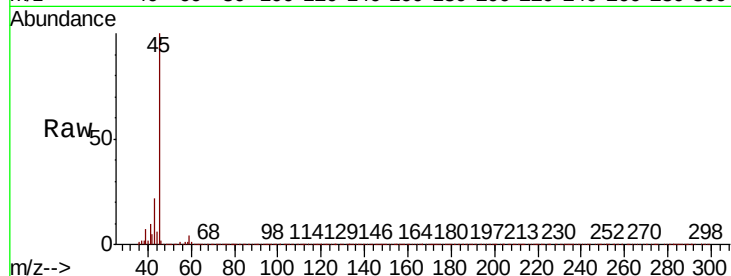




#14
Allvl chloride
Concen: 1.094 ug/l
RT: 2.58 min Scan# 277
Delta R.T. -0.13 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

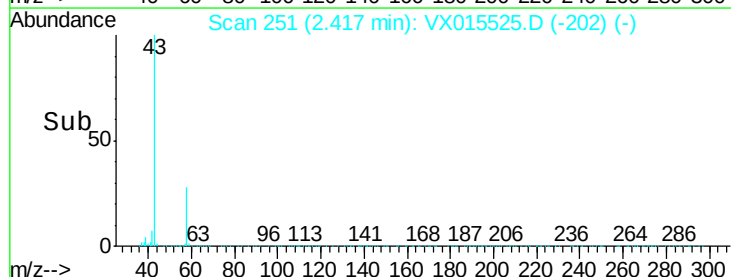
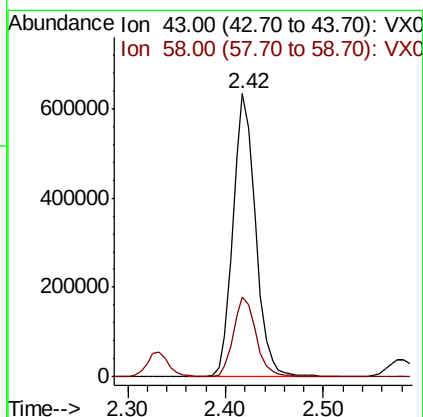
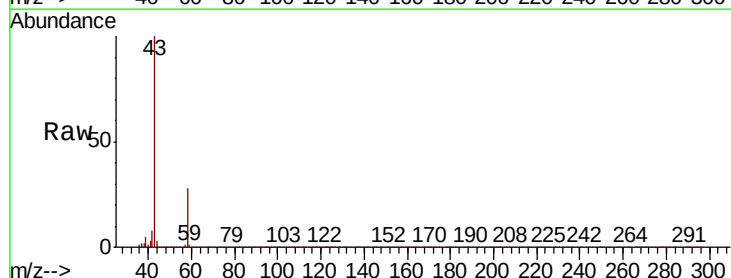
Instrument :
MSVOA_X
ClientSampleId :
40788

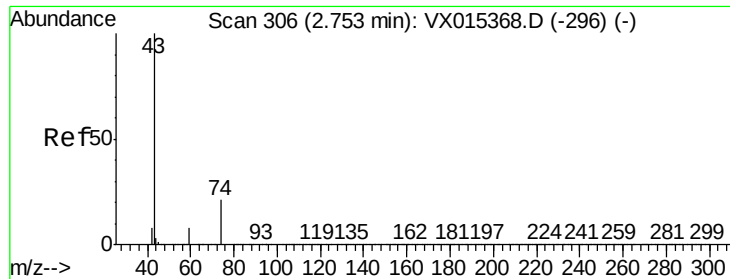
Tot Ion: 41 Resp: 27813
Ion Ratio Lower Upper
41 100
39 86.9 51.4 77.0#
76 0.0 21.8 32.8#



#16
Acetone
Concen: 144.268 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

Tgt Ion: 43 Resp: 1007560
Ion Ratio Lower Upper
43 100
58 28.2 22.1 33.1

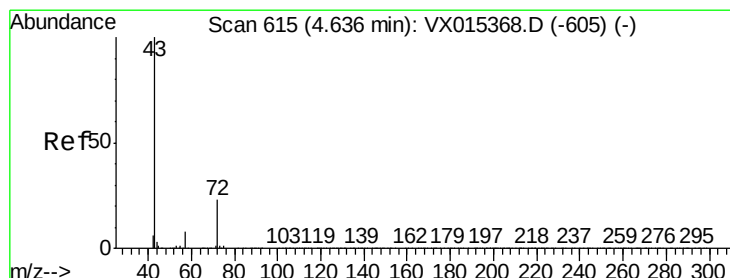
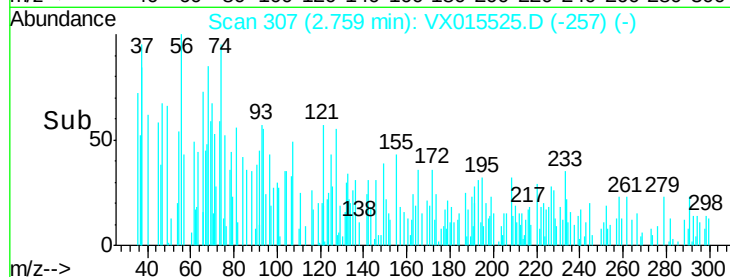
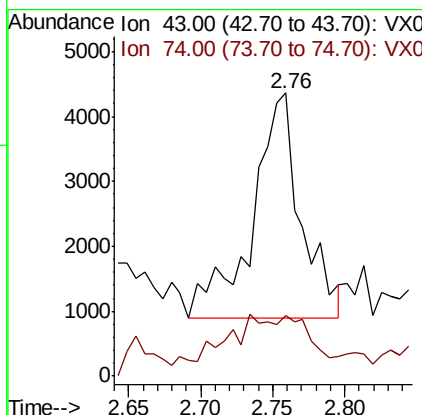
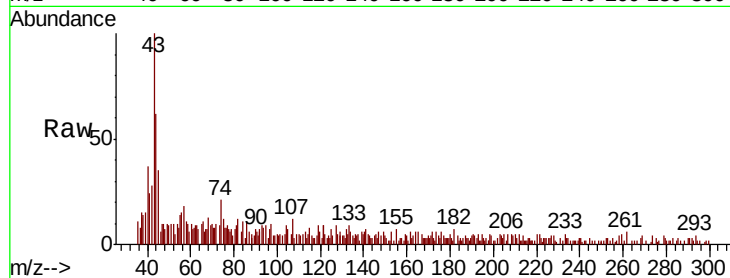




#18
Methyl Acetate
Concen: 0.456 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

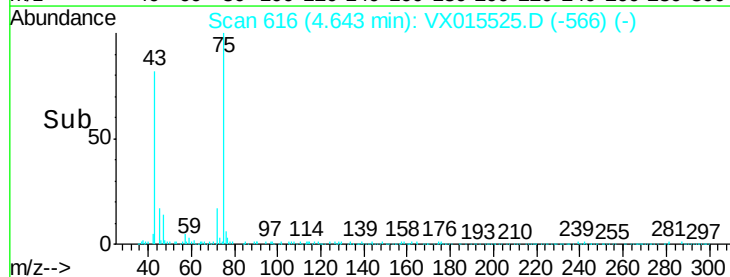
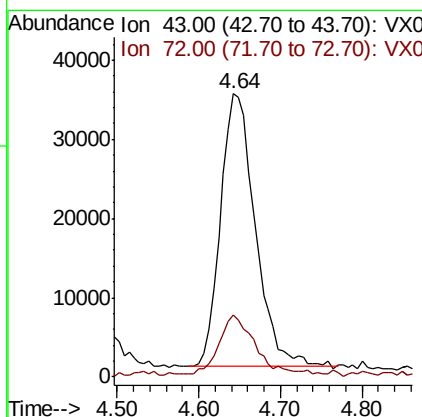
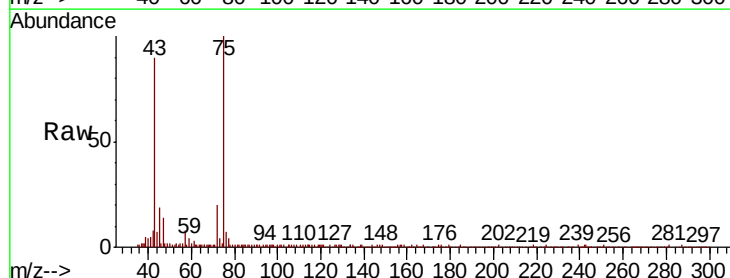
Instrument :
MSVOA_X
ClientSampleId :
40788

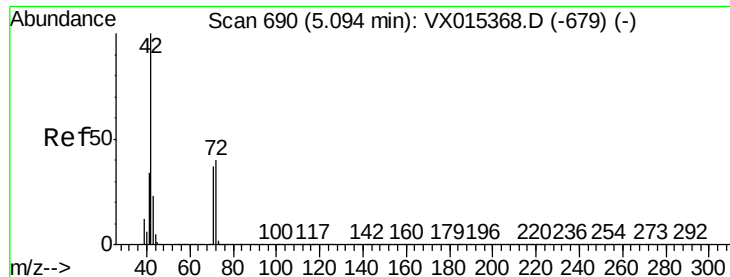
Tot Ion: 43 Resp: 8130
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#25
2-Butanone
Concen: 9.036 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

Tgt Ion: 43 Resp: 101492
Ion Ratio Lower Upper
43 100
72 21.6 19.0 28.4





#29

Tetrahydrofuran

Concen: 0.227 ug/l

RT: 5.11 min Scan# 692

Delta R.T. 0.01 min

Lab File: VX015525.D

Acq: 06 Apr 2020 19:57

Instrument :

MSVOA_X

ClientSampled :

40788

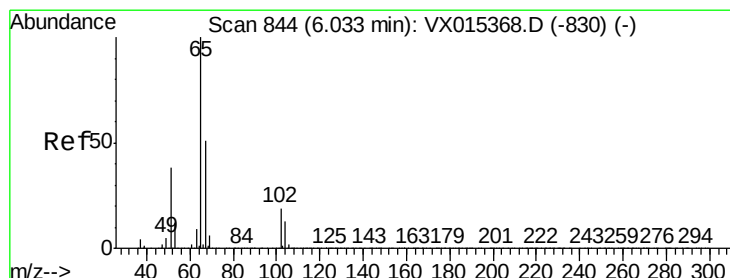
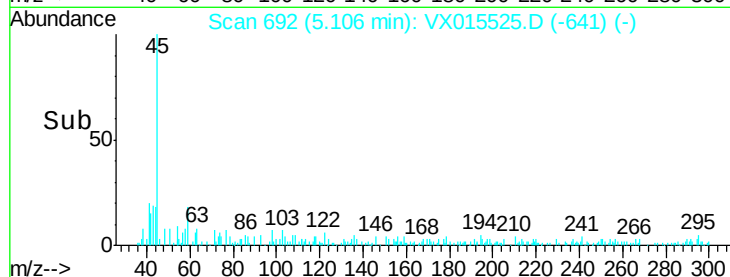
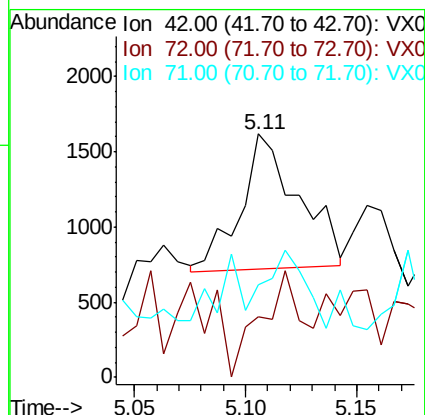
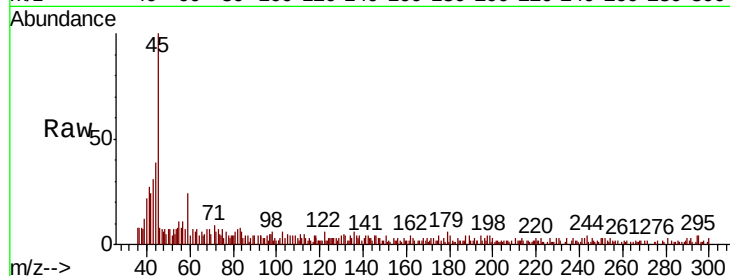
Tot Ion: 42 Resp: 1638

Ion Ratio Lower Upper

42 100

72 56.5 31.7 47.5#

71 34.3 29.6 44.4



#33

1,2-Dichloroethane-d4

Concen: 46.676 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015525.D

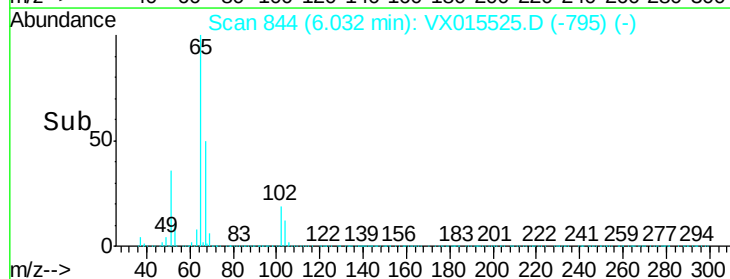
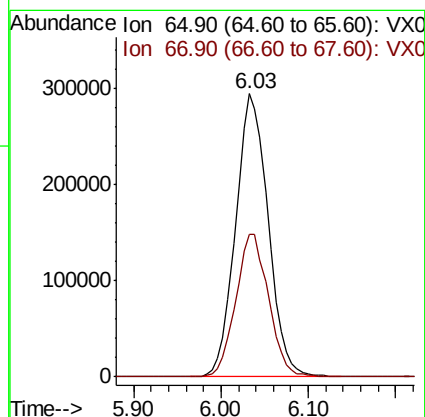
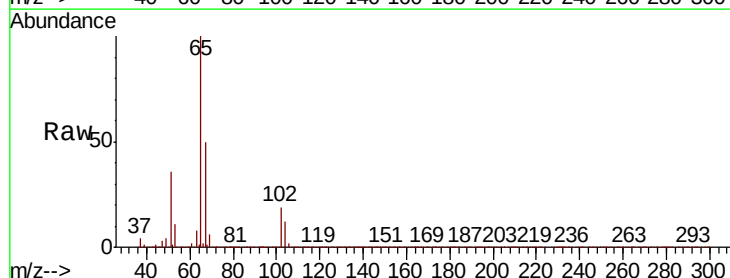
Acq: 06 Apr 2020 19:57

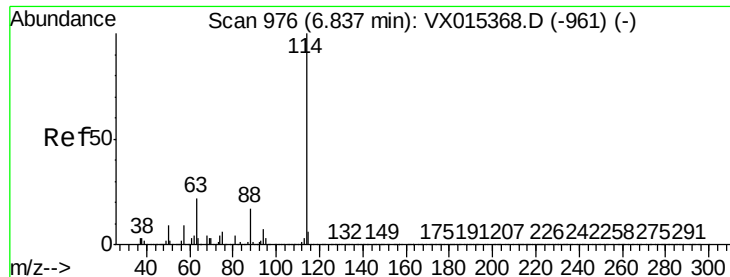
Tgt Ion: 65 Resp: 758762

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.6

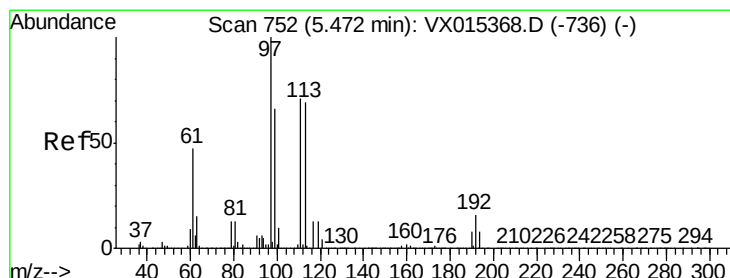
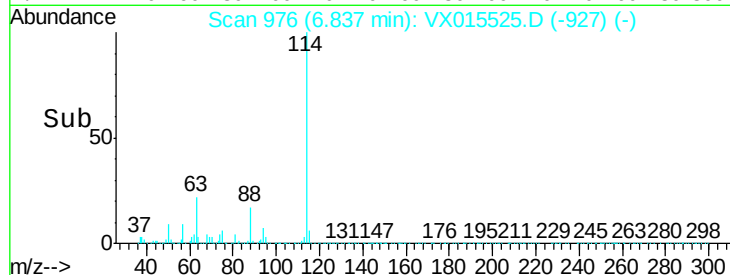
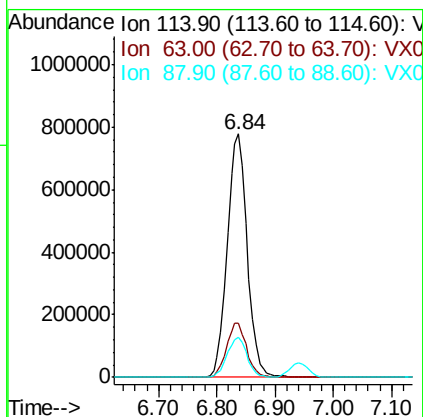
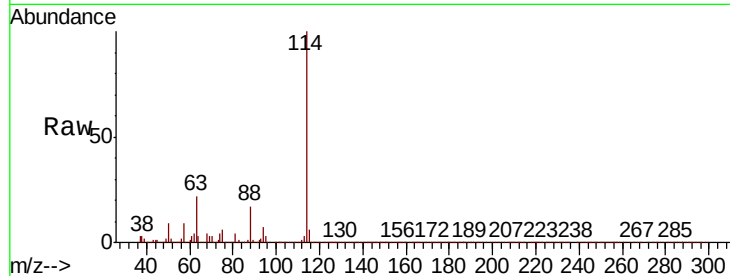




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 976
Delta R.T. -0.00 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

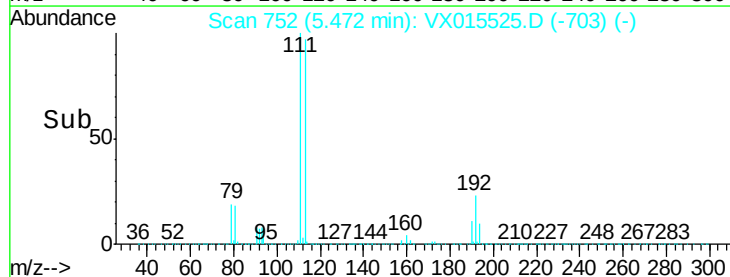
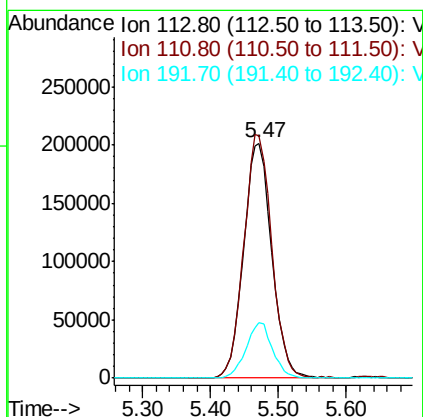
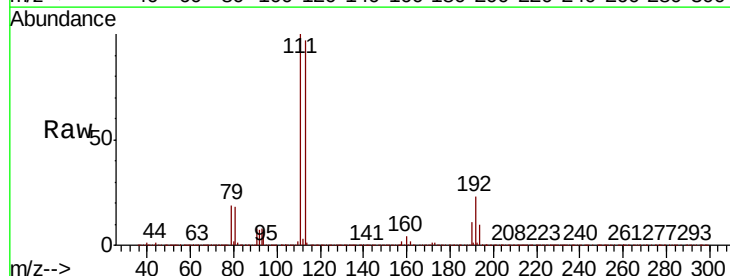
Instrument :
MSVOA_X
ClientSampled :
40788

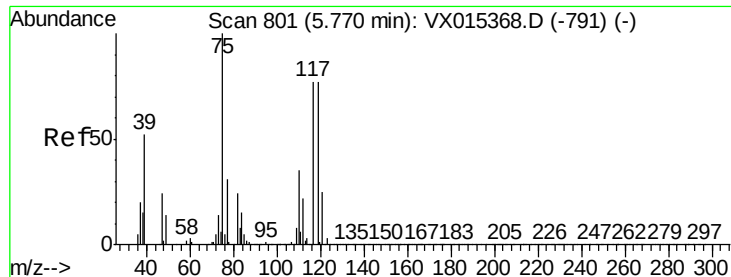
Tot Ion:114 Resp: 1849726
Ion Ratio Lower Upper
114 100
63 22.0 0.0 44.2
88 16.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.187 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

Tgt Ion:113 Resp: 581580
Ion Ratio Lower Upper
113 100
111 102.3 81.5 122.3
192 22.1 17.8 26.6

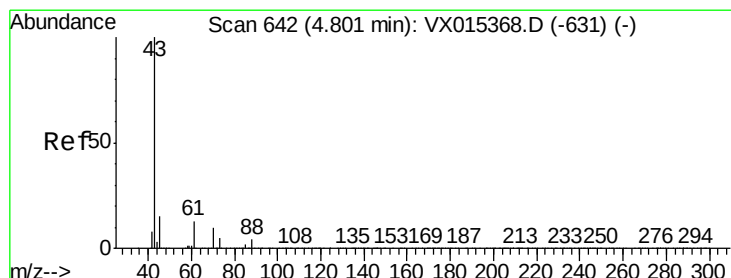
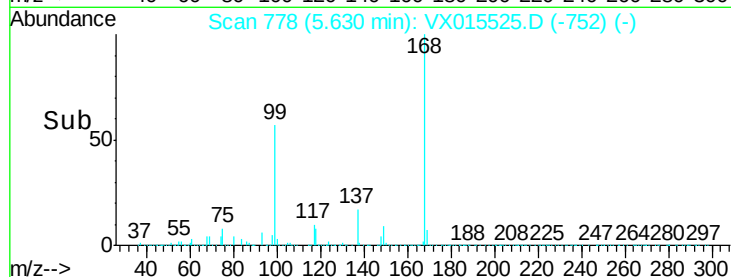
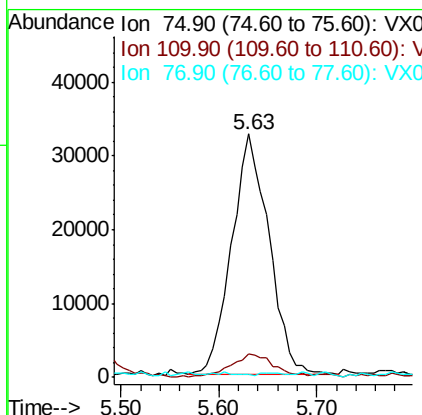
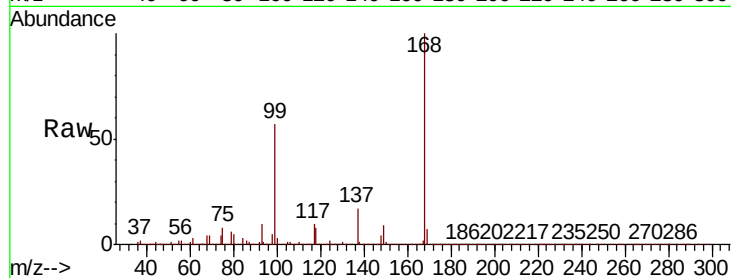




#36
 1,1-Dichloropropene
 Concen: 5.061 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015525.D
 Acq: 06 Apr 2020 19:57

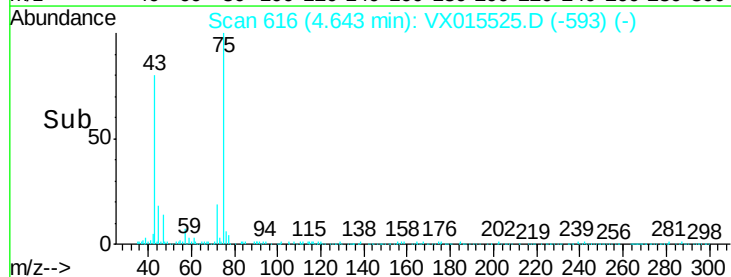
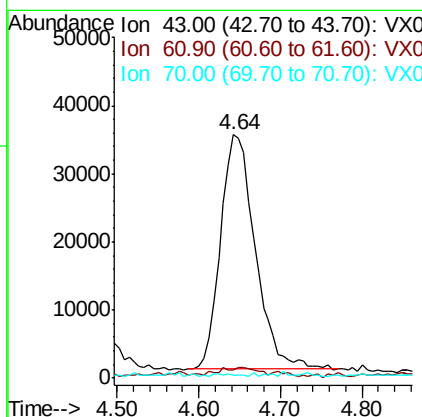
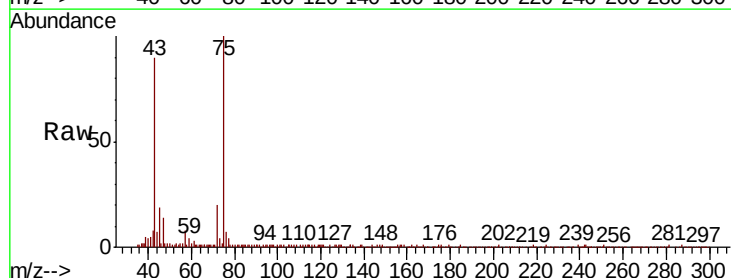
Instrument :
 MSVOA_X
 ClientSampleId :
 40788

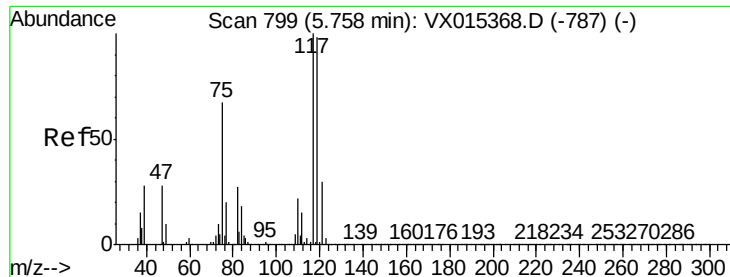
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.4	17.1	51.3#
77	0.5	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 4.573 ug/l
 RT: 4.64 min Scan# 616
 Delta R.T. -0.16 min
 Lab File: VX015525.D
 Acq: 06 Apr 2020 19:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.7	9.9	14.9#
70	0.0	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 6.020 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015525.D

Acq: 06 Apr 2020 19:57

Instrument :

MSVOA_X

ClientSampled :

40788

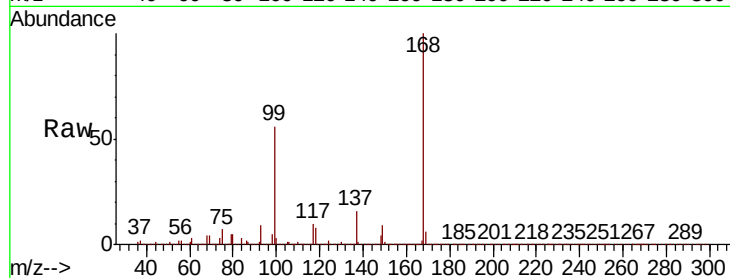
Tot Ion:117 Resp: 111125

Ion Ratio Lower Upper

117 100

119 2.7 78.0 117.0#

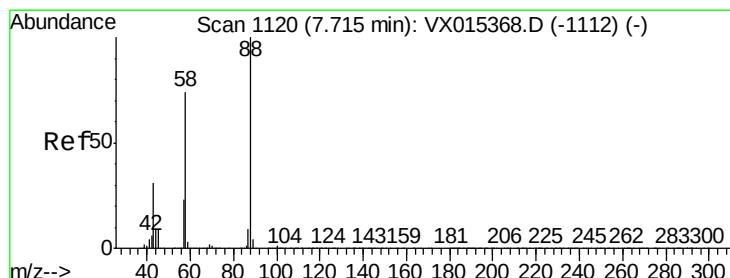
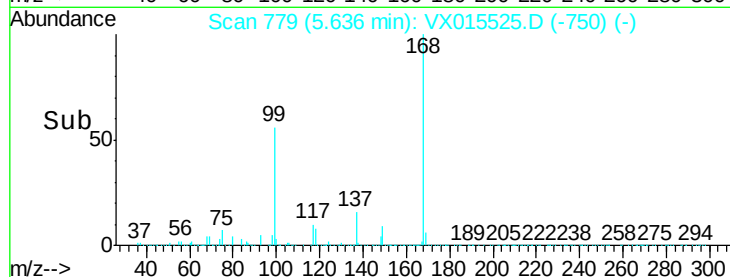
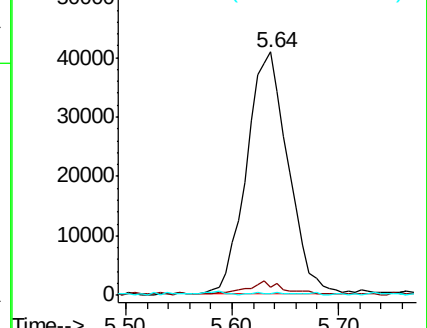
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 5.346 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015525.D

Acq: 06 Apr 2020 19:57

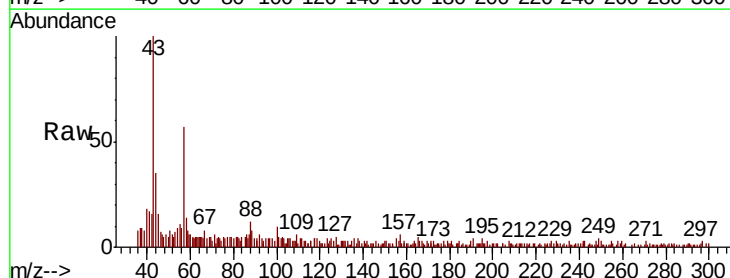
Tgt Ion: 88 Resp: 1866

Ion Ratio Lower Upper

88 100

43 853.9 30.1 45.1#

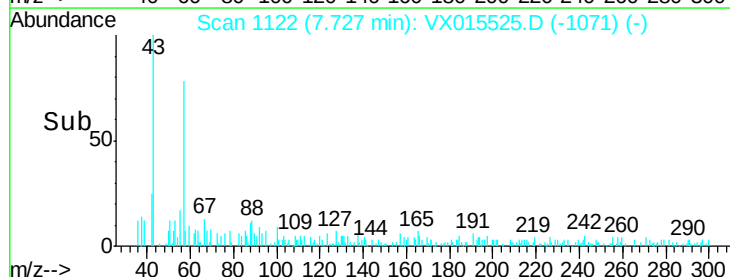
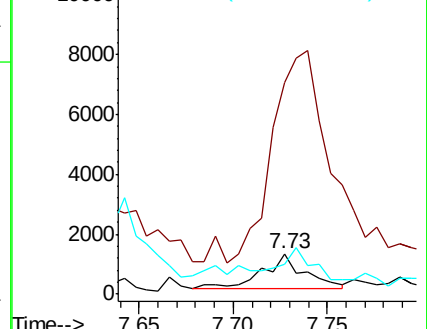
58 73.6 60.6 90.8

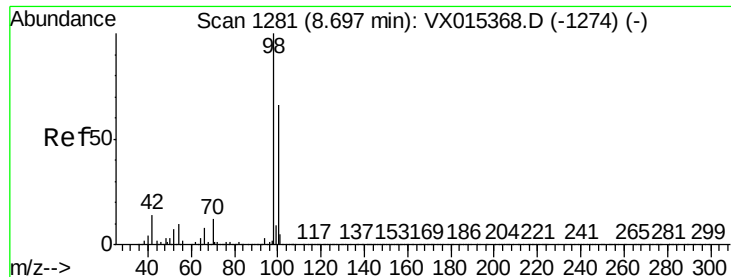


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.351 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015525.D

Acq: 06 Apr 2020 19:57

Instrument :

MSVOA_X

ClientSampleId :

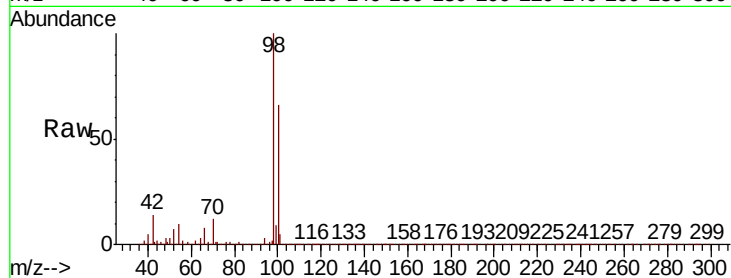
40788

Tot Ion: 98 Resp: 2235448

Ion Ratio Lower Upper

98 100

100 66.5 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

1500000

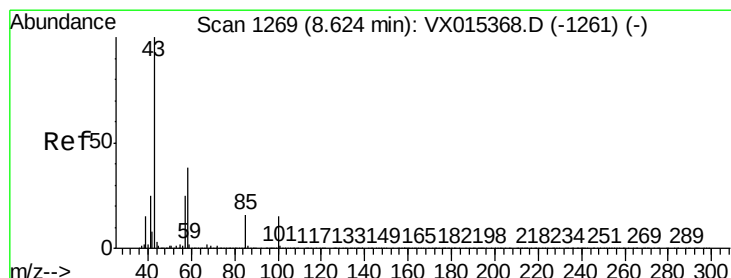
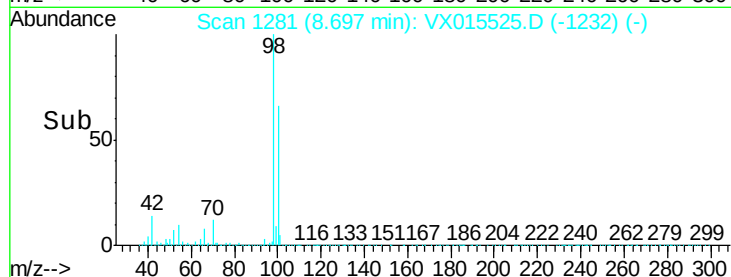
1000000

500000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.251 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VX015525.D

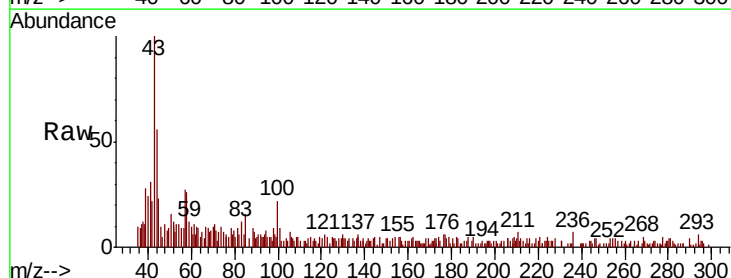
Acq: 06 Apr 2020 19:57

Tgt Ion: 43 Resp: 5319

Ion Ratio Lower Upper

43 100

58 49.4 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

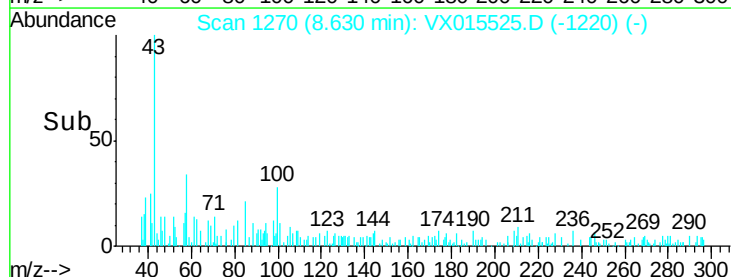
4000

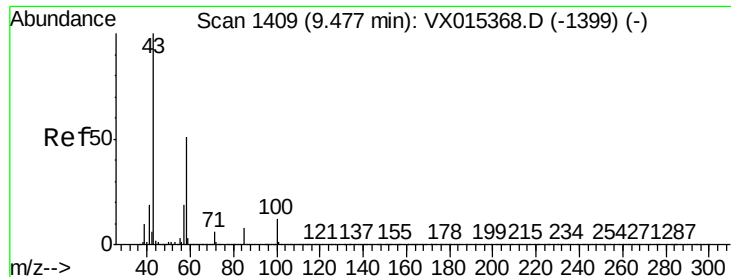
2000

0

8.60 8.63 8.65

Time-->

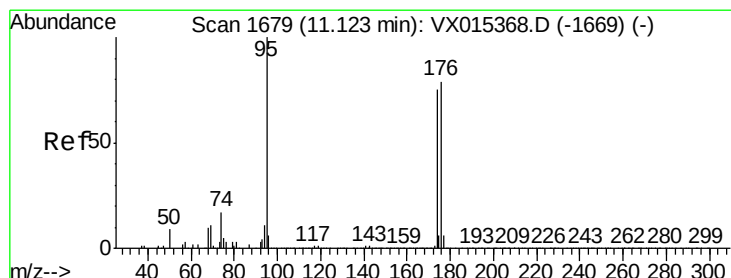
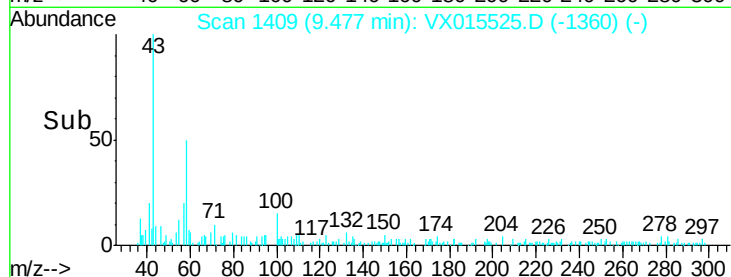
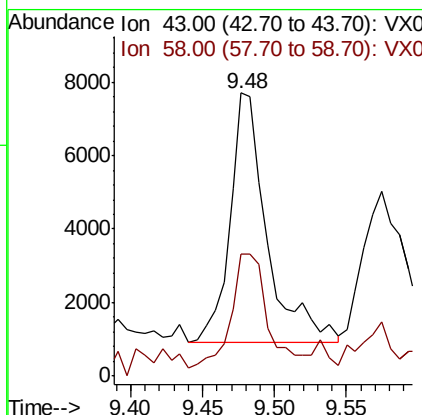
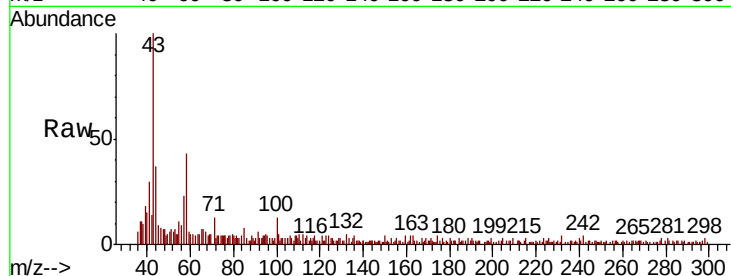




#59
2-Hexanone
Concen: 0.757 ug/l
RT: 9.48 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

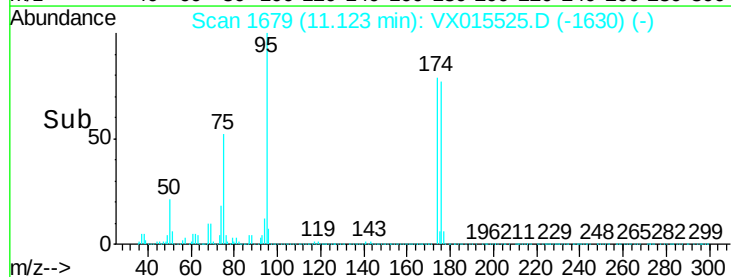
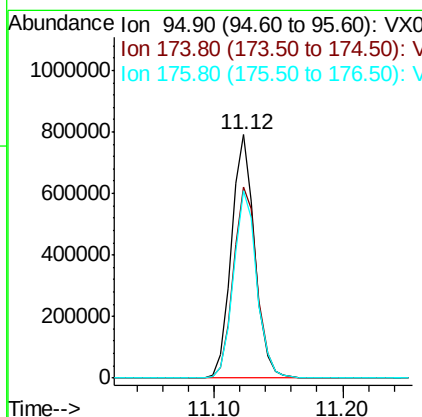
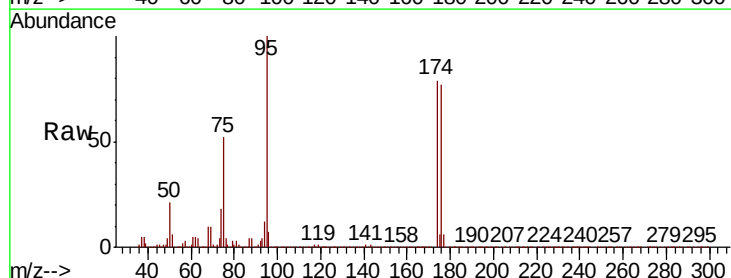
Instrument :
MSVOA_X
ClientSampled :
40788

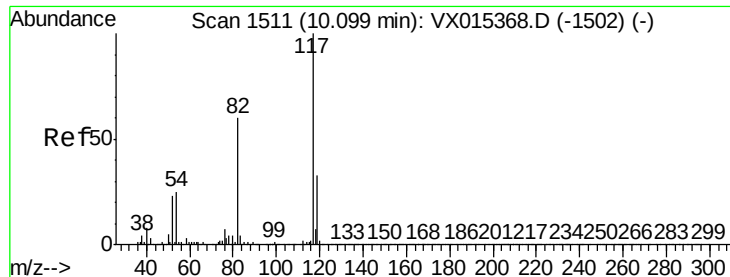
Tot Ion: 43 Resp: 12137
Ion Ratio Lower Upper
43 100
58 43.9 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 56.484 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

Tgt Ion: 95 Resp: 999294
Ion Ratio Lower Upper
95 100
174 80.3 0.0 158.6
176 77.0 0.0 159.0

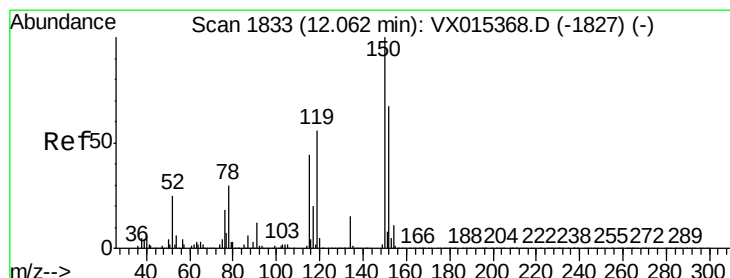
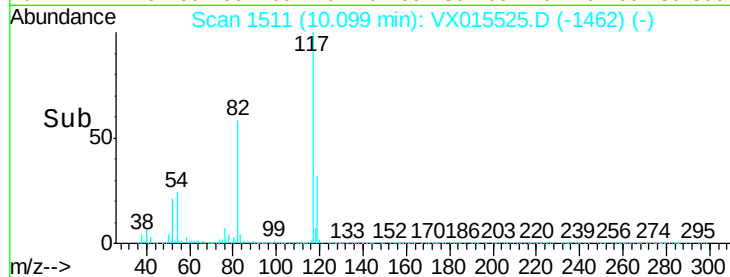
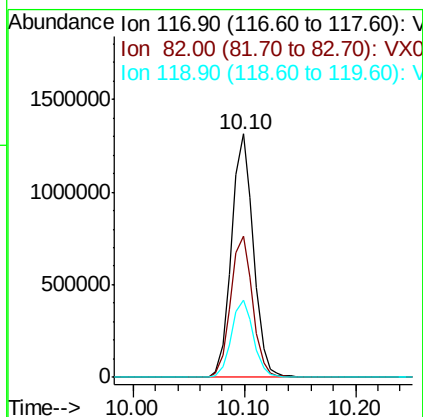
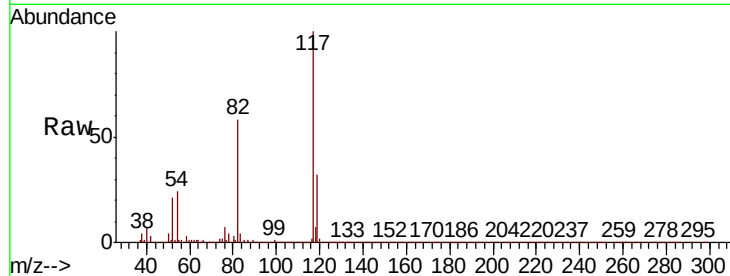




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

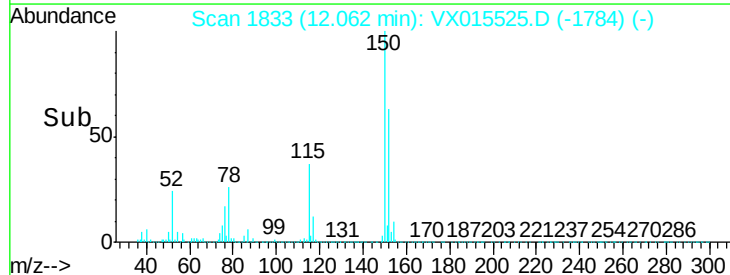
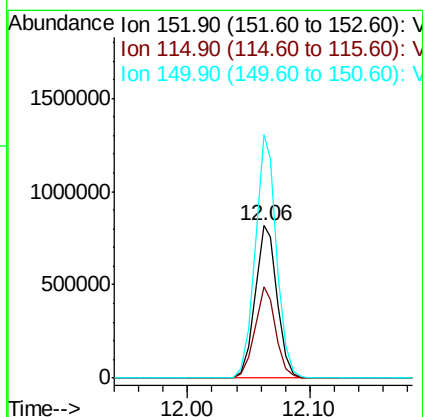
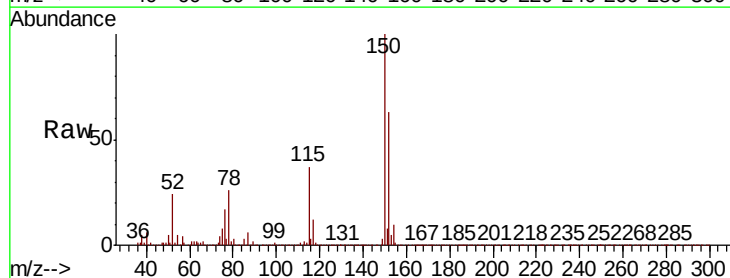
Instrument :
MSVOA_X
ClientSampleId :
40788

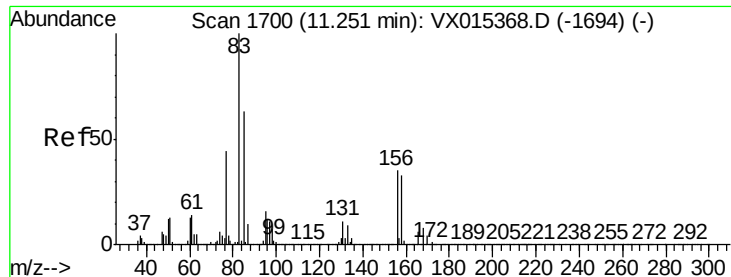
Tot Ion:117 Resp: 1786450
Ion Ratio Lower Upper
117 100
82 57.8 47.8 71.8
119 31.8 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015525.D
Acq: 06 Apr 2020 19:57

Tgt Ion:152 Resp: 1031072
Ion Ratio Lower Upper
152 100
115 56.9 39.0 116.9
150 153.9 0.0 340.8





#75

1,1,2,2-Tetrachloroethane

Concen: 2.938 ug/l

RT: 11.19 min Scan# 1690

Delta R.T. -0.06 min

Lab File: VX015525.D

Acq: 06 Apr 2020 19:57

Instrument :

MSVOA_X

ClientSampleId :

40788

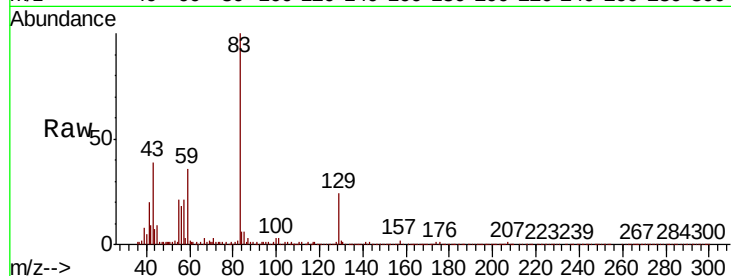
Tot Ion: 83 Resp: 68117

Ion Ratio Lower Upper

83 100

131 0.6 5.3 16.1#

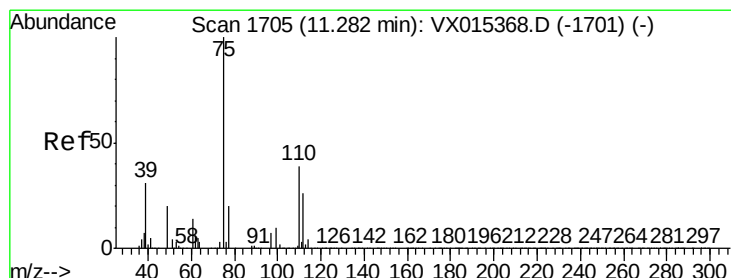
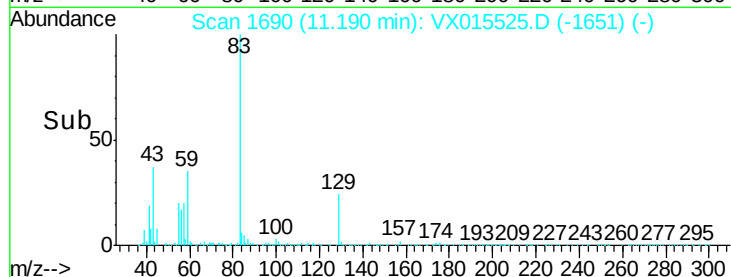
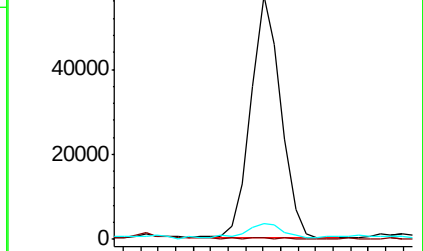
85 9.5 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.353 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015525.D

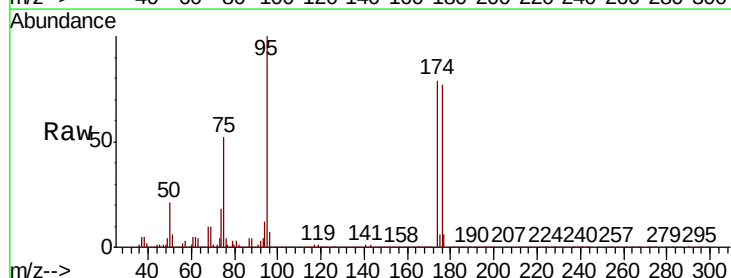
Acq: 06 Apr 2020 19:57

Tgt Ion: 75 Resp: 516369

Ion Ratio Lower Upper

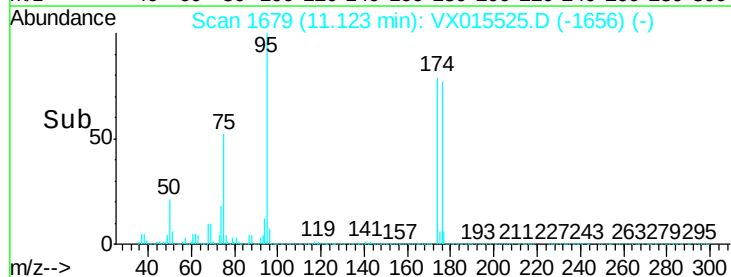
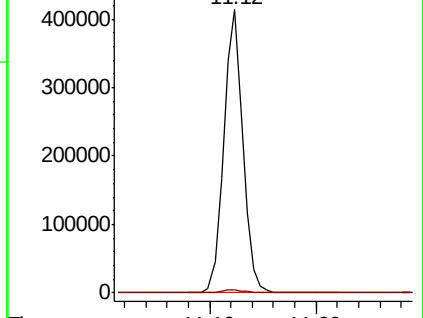
75 100

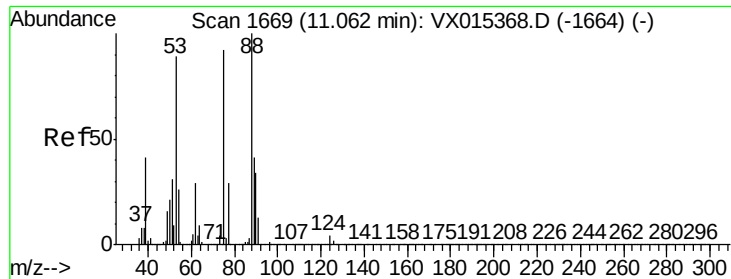
77 1.2 21.2 63.6#



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: 58.435 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015525.D

Acq: 06 Apr 2020 19:57

Instrument :

MSVOA_X

ClientSampleId :

40788

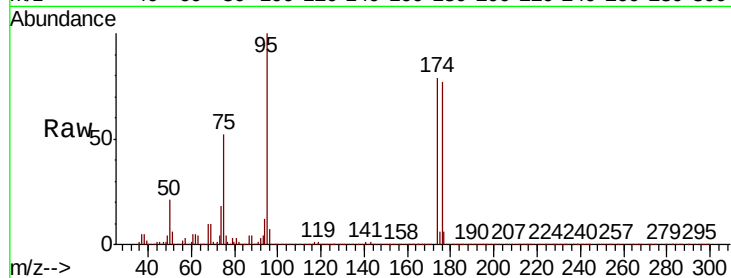
Tot Ion: 75 Resp: 516369

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

