

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
 Data File : VX011776.D
 Acq On : 22 Aug 2019 20:50
 Operator : JC/SP
 Sample : K4403-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H2-(0)

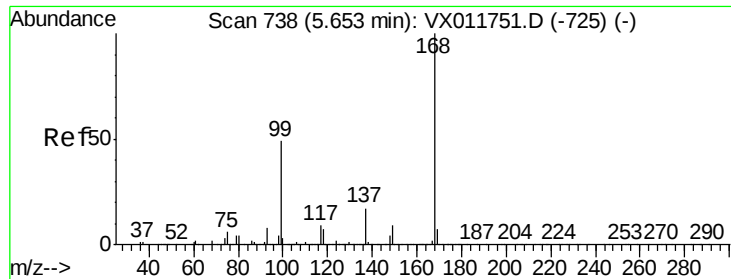
Quant Time: Aug 23 02:06:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	467200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	639442	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	581041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	290743	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	211195	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	
35) Dibromofluoromethane	5.49	113	190521	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
50) Toluene-d8	8.71	98	724961	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.13	95	252752	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.81	64	519	0.232	ug/l #	77
8) Diethyl Ether	2.19	74	662	0.320	ug/l	100
11) Tert butyl alcohol	3.01	59	4950	5.337	ug/l #	76
13) Acrolein	2.28	56	668	1.863	ug/l #	56
16) Acetone	2.43	43	9627	4.715	ug/l	96
18) Methyl Acetate	2.77	43	2617	0.472	ug/l #	54
20) Methylene Chloride	2.85	84	8438	2.022	ug/l	99
25) 2-Butanone	4.67	43	1371	0.468	ug/l #	63
28) Bromochloromethane	4.99	49	704	0.236	ug/l #	21
29) Tetrahydrofuran	5.12	42	503	0.268	ug/l #	77
36) 1,1-Dichloropropene	5.65	75	25787	5.143	ug/l #	52
38) Carbon Tetrachloride	5.65	117	37847	6.660	ug/l #	17
43) Isopropyl Acetate	6.44	43	66023	7.687	ug/l	99
48) Methyl methacrylate	7.67	41	3845	0.900	ug/l #	15
49) 1,4-Dioxane	7.72	88	252	2.128	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	62132	10.979	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	30932	5.220	ug/l #	59
59) 2-Hexanone	9.54	43	70199	16.161	ug/l #	51
74) N-amyl acetate	10.82	43	2866	0.423	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	119498	23.423	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	119498	70.640	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

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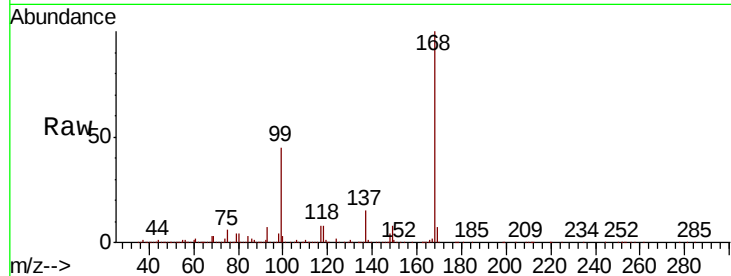
T1-H2-(0)

Tgt Ion:168 Resp: 467200

Ion Ratio Lower Upper

168 100

99 45.4 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

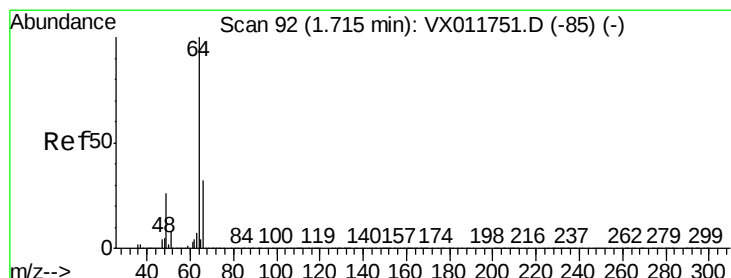
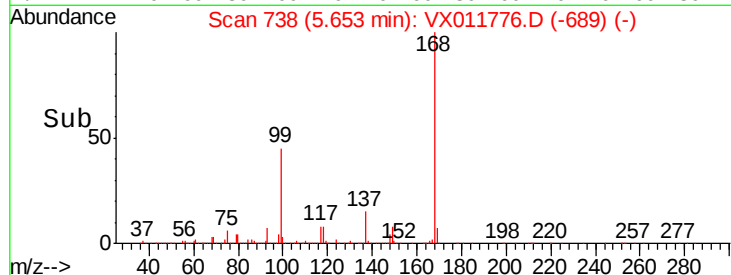
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.232 ug/l

RT: 1.81 min Scan# 107

Delta R.T. 0.09 min

Lab File: VX011776.D

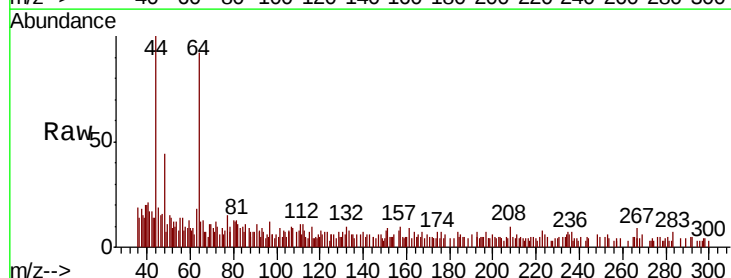
Acq: 22 Aug 2019 20:50

Tgt Ion: 64 Resp: 519

Ion Ratio Lower Upper

64 100

66 18.2 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.81

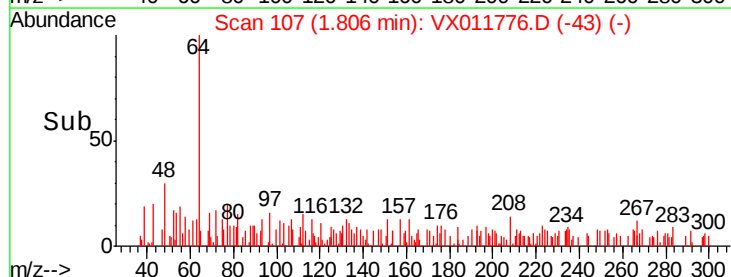
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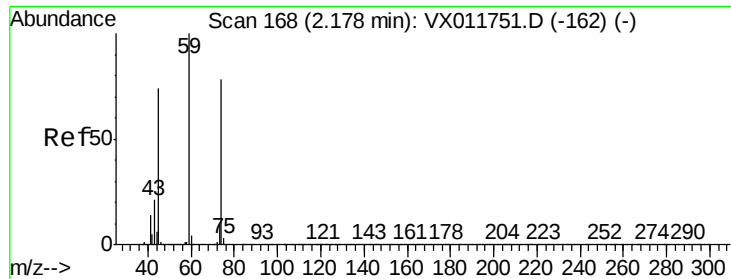
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500

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Time-->

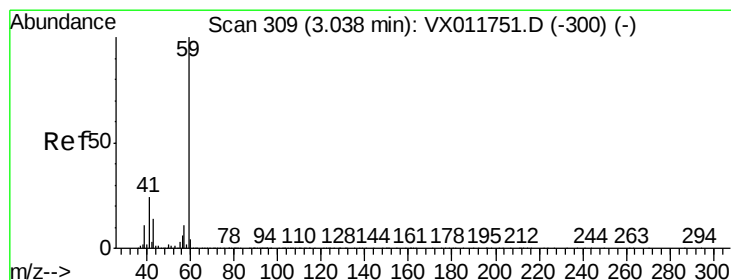
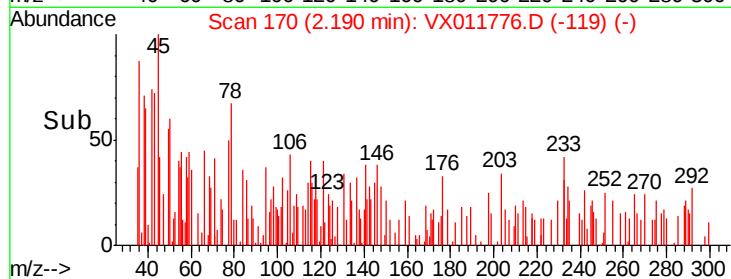
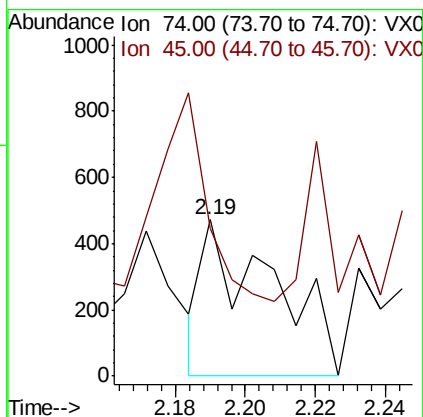
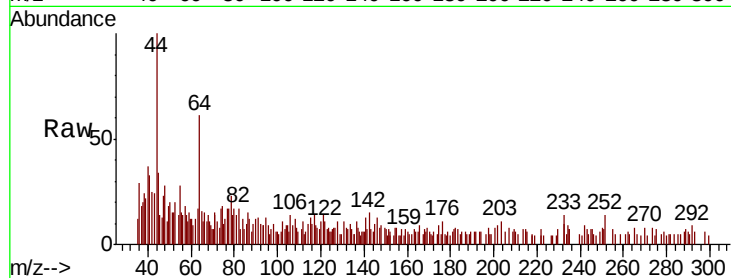




#8
Diethyl Ether
Concen: 0.320 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

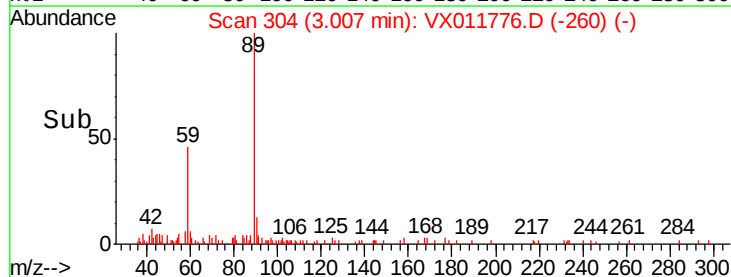
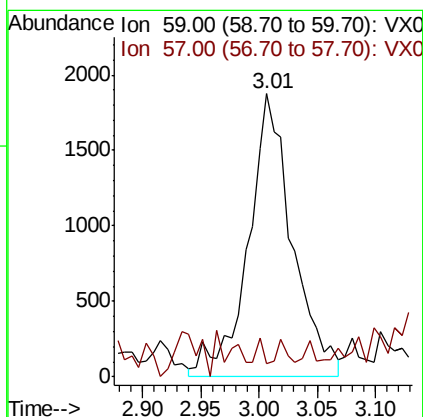
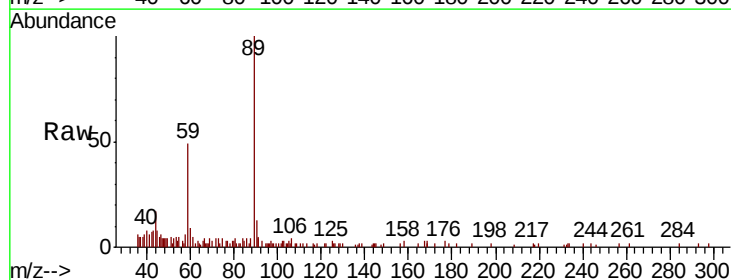
Instrument :
MSVOA_X
ClientSampleId :
T1-H2-(0)

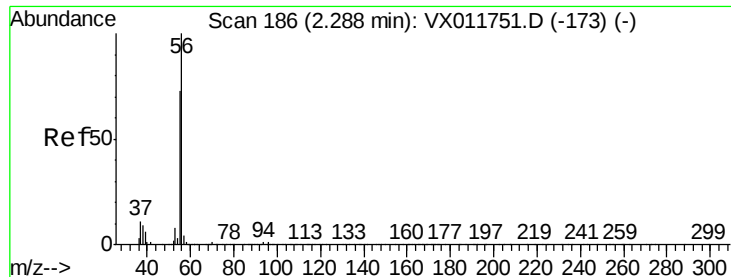
Tgt Ion: 74 Resp: 662
Ion Ratio Lower Upper
74 100
45 93.7 46.7 140.0



#11
Tert butyl alcohol
Concen: 5.337 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 59 Resp: 4950
Ion Ratio Lower Upper
59 100
57 1.7 8.4 12.6#





#13

Acrolein

Concen: 1.863 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011776.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

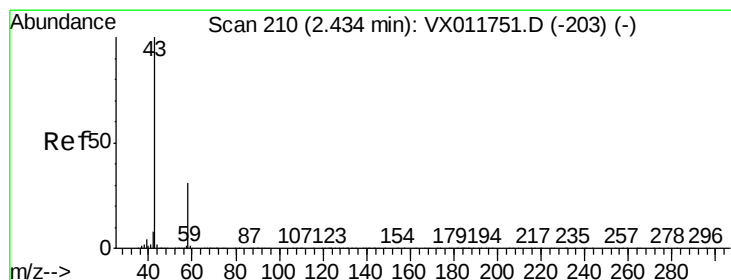
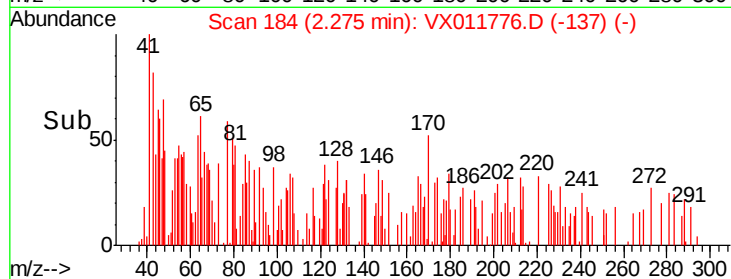
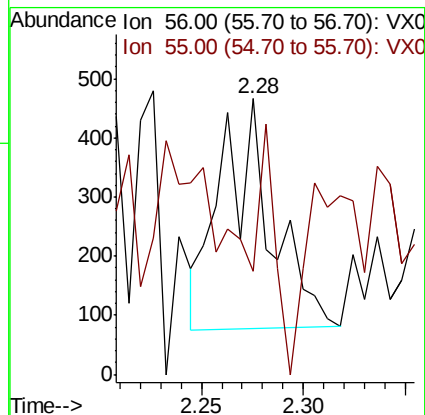
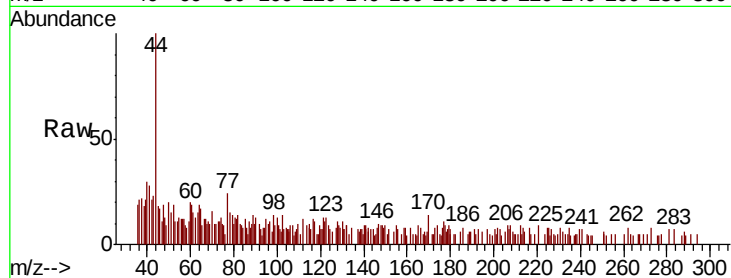
T1-H2-(0)

Tgt Ion: 56 Resp: 668

Ion Ratio Lower Upper

56 100

55 32.9 54.8 82.2#



#16

Acetone

Concen: 4.715 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011776.D

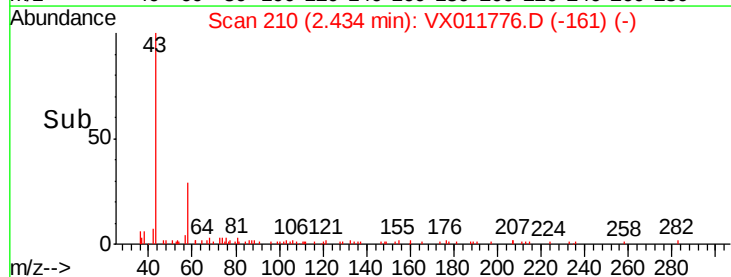
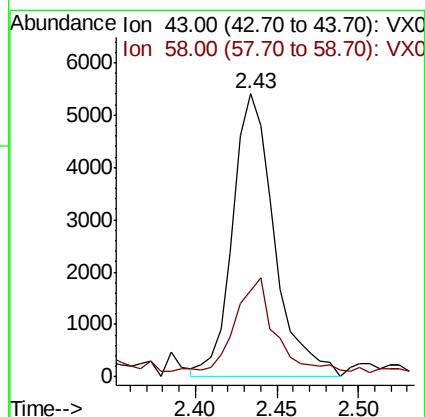
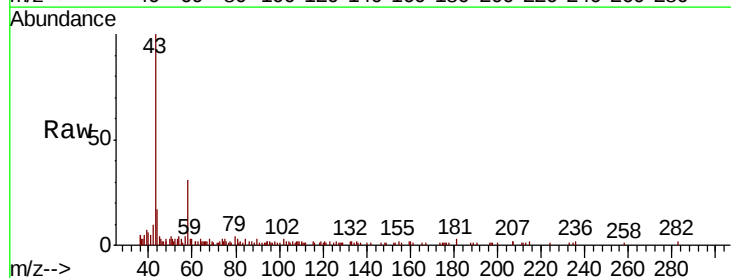
Acq: 22 Aug 2019 20:50

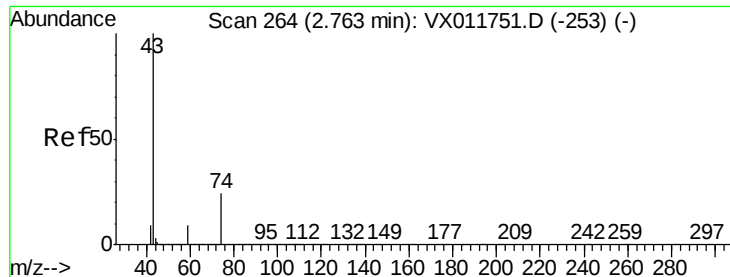
Tgt Ion: 43 Resp: 9627

Ion Ratio Lower Upper

43 100

58 28.4 24.4 36.6

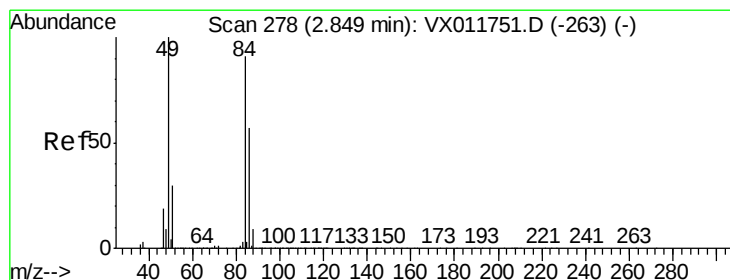
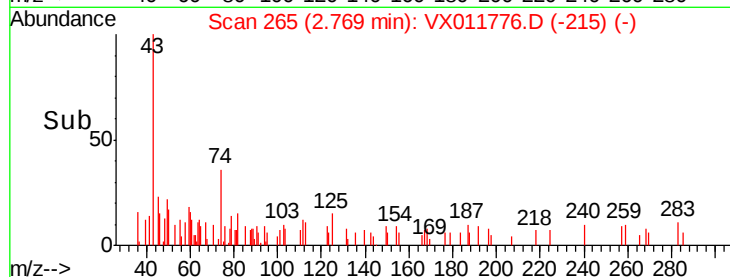
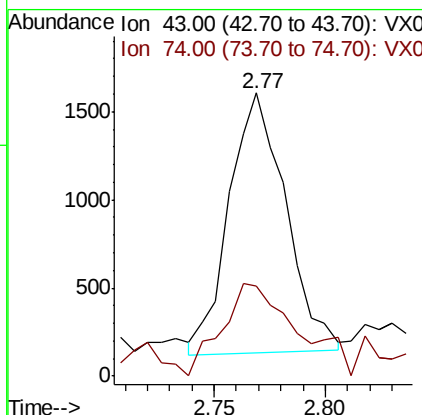
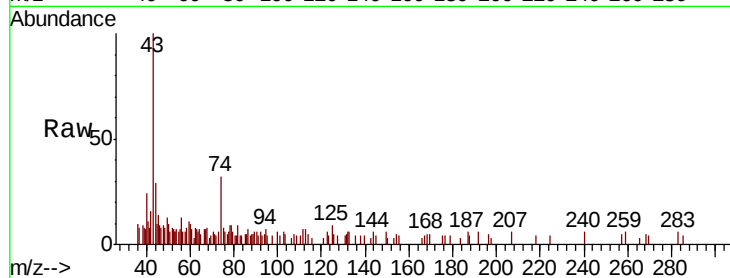




#18
Methyl Acetate
Concen: 0.472 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

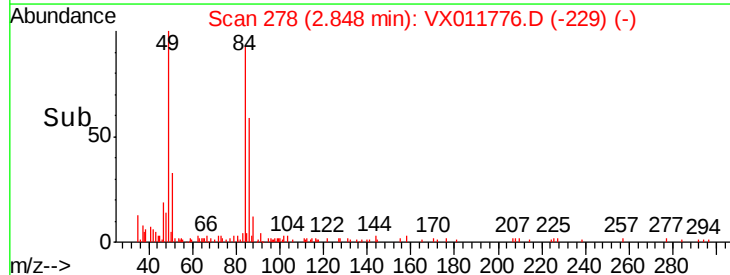
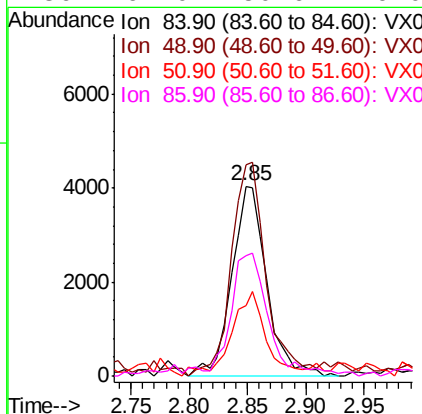
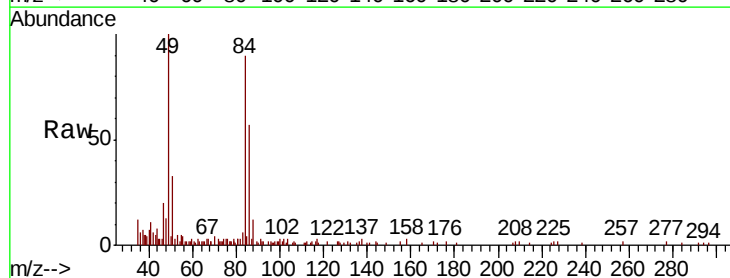
Instrument :
MSVOA_X
ClientSampleId :
T1-H2-(0)

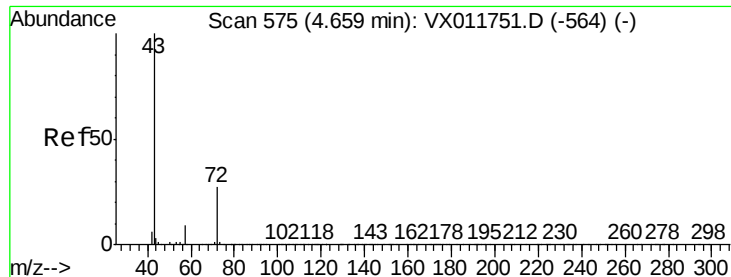
Tgt Ion: 43 Resp: 2617
Ion Ratio Lower Upper
43 100
74 47.1 19.5 29.3#



#20
Methylene Chloride
Concen: 2.022 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 84 Resp: 8438
Ion Ratio Lower Upper
84 100
49 111.2 88.3 132.5
51 32.3 26.2 39.2
86 62.0 50.6 76.0

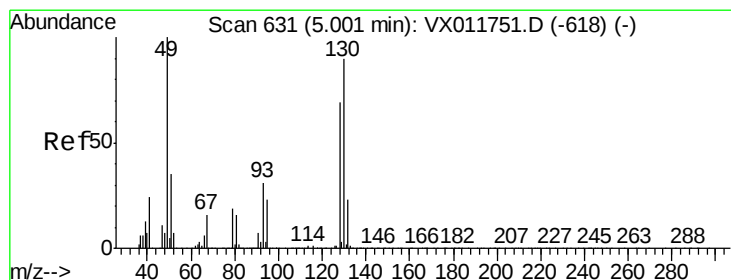
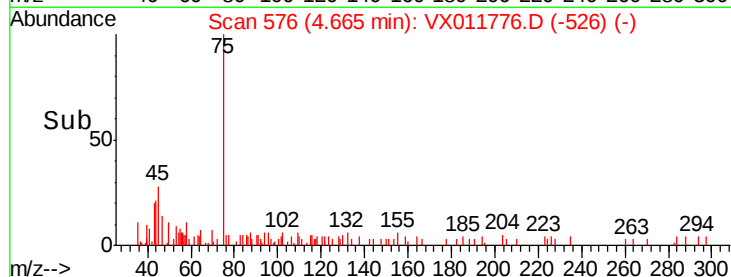
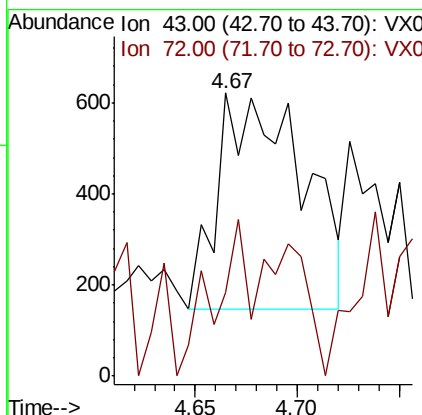
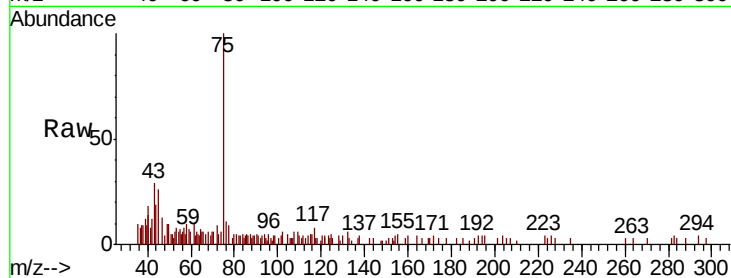




#25
2-Butanone
Concen: 0.468 ug/l
RT: 4.67 min Scan# 576
Delta R.T. 0.01 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

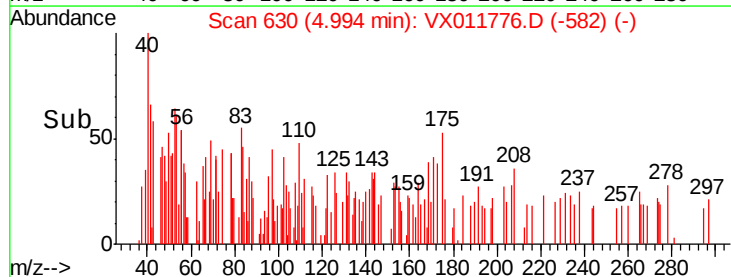
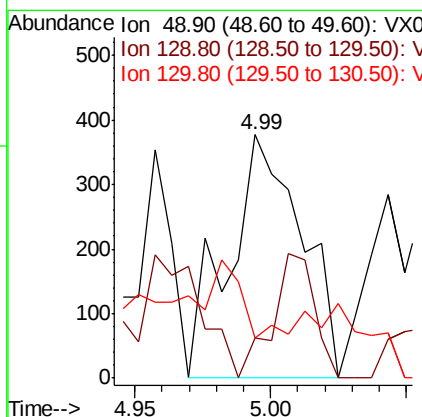
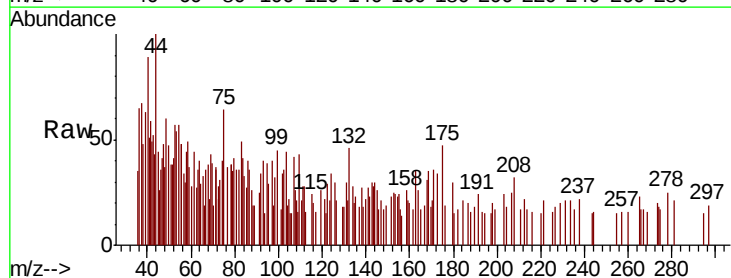
Instrument :
MSVOA_X
ClientSampleId :
T1-H2-(0)

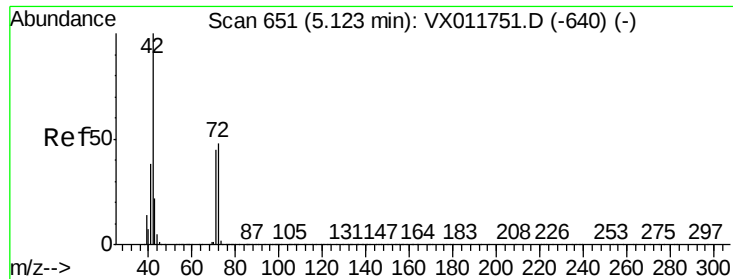
Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
72 46.3 21.8 32.6#



#28
Bromochloromethane
Concen: 0.236 ug/l
RT: 4.99 min Scan# 630
Delta R.T. -0.01 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 49 Resp: 704
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.8
130 17.2 76.8 115.2#

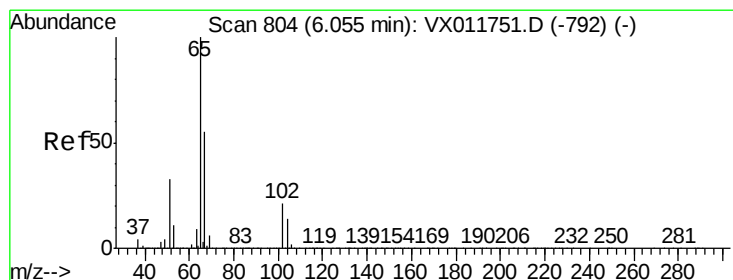
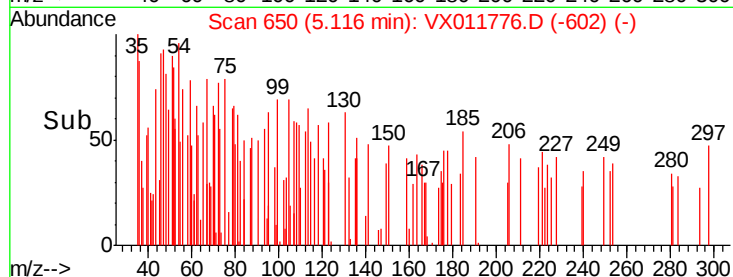
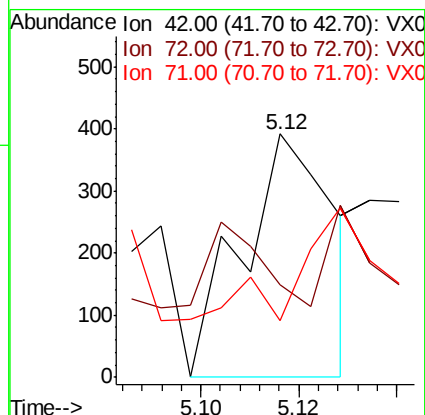
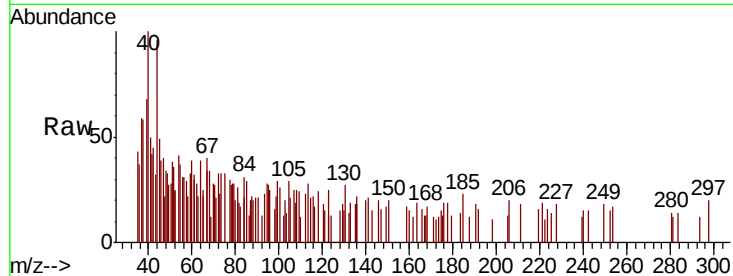




#29
Tetrahydrofuran
Concen: 0.268 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

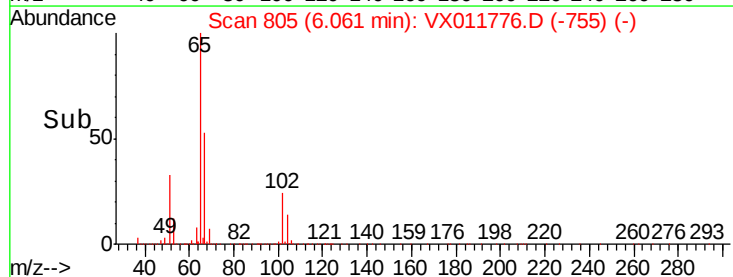
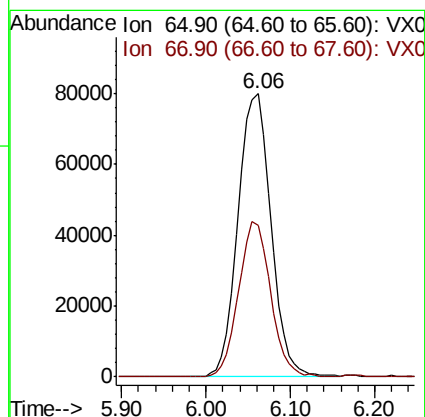
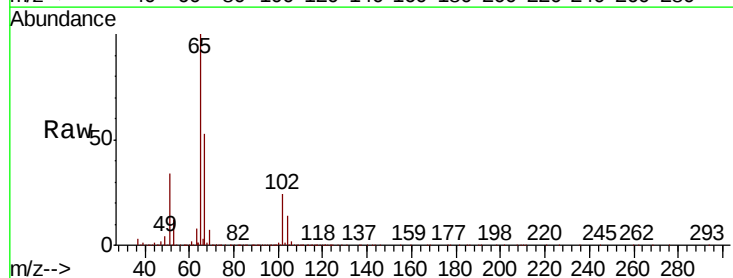
Instrument :
MSVOA_X
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T1-H2-(0)

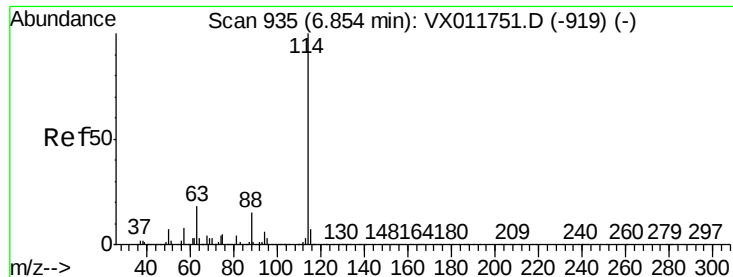
Tgt Ion: 42 Resp: 503
Ion Ratio Lower Upper
42 100
72 22.3 37.6 56.4#
71 38.8 34.6 51.8



#33
1,2-Dichloroethane-d4
Concen: 44.999 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 65 Resp: 211195
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.8

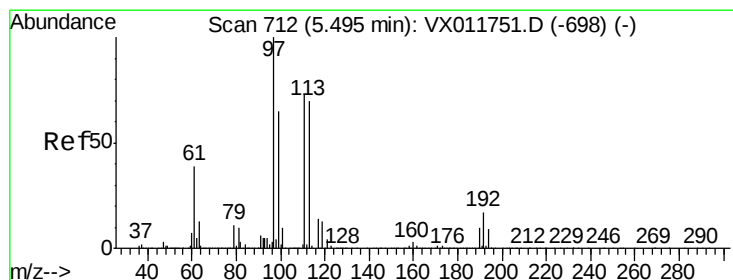
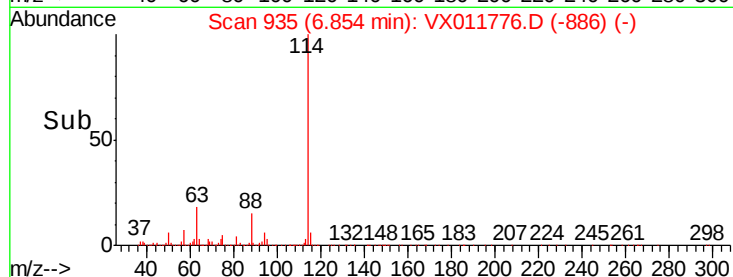
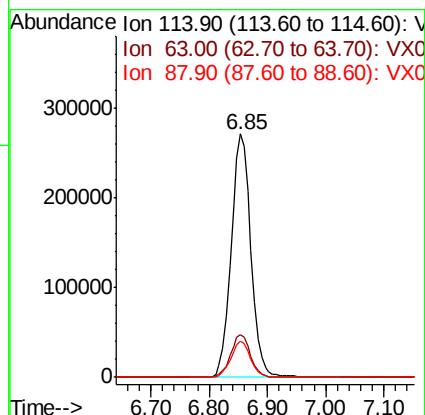
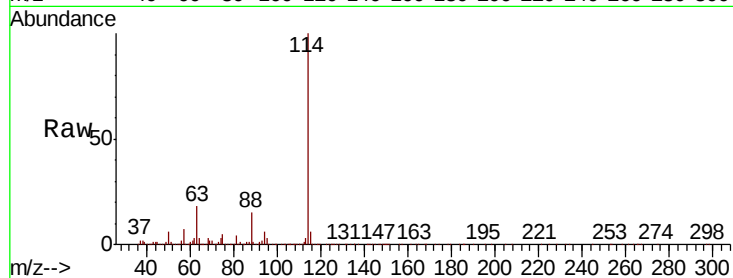




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011776.D
 Acq: 22 Aug 2019 20:50

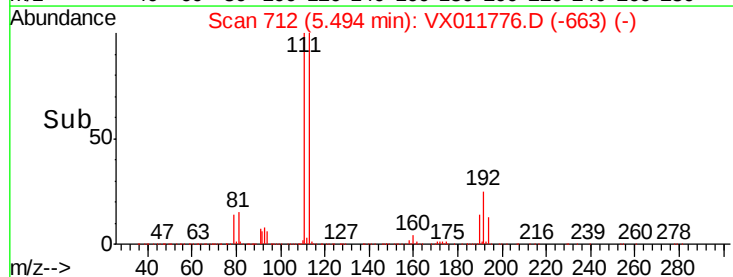
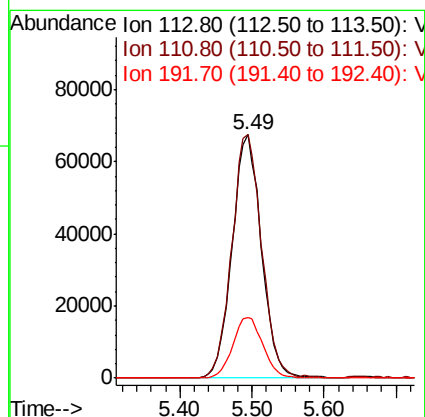
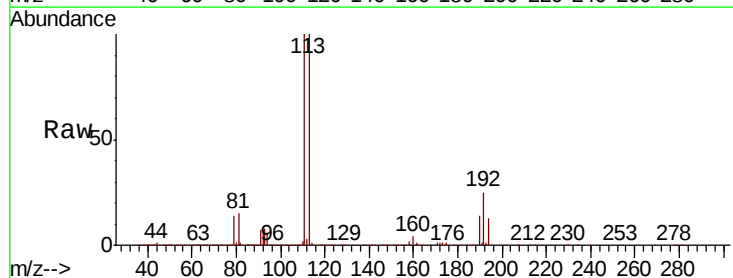
Instrument :
 MSVOA_X
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 T1-H2-(0)

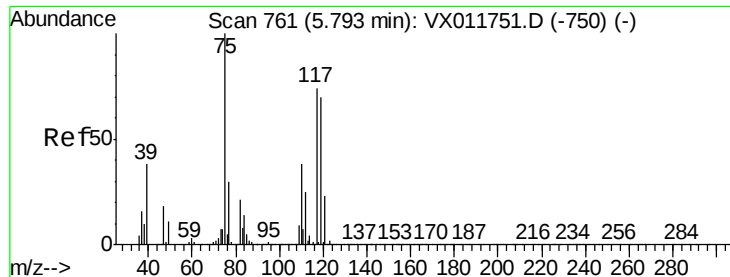
Tgt Ion:114 Resp: 639442
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.8
 88 15.1 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 46.076 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011776.D
 Acq: 22 Aug 2019 20:50

Tgt Ion:113 Resp: 190521
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.0 121.4
 192 25.7 19.9 29.9

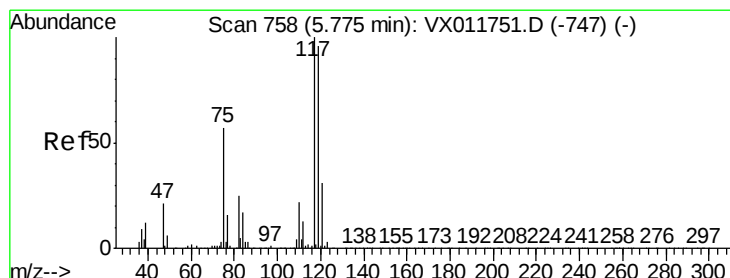
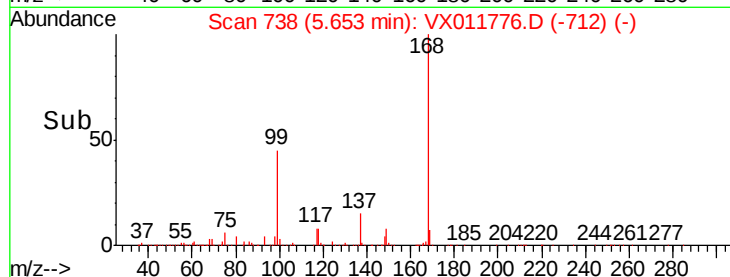
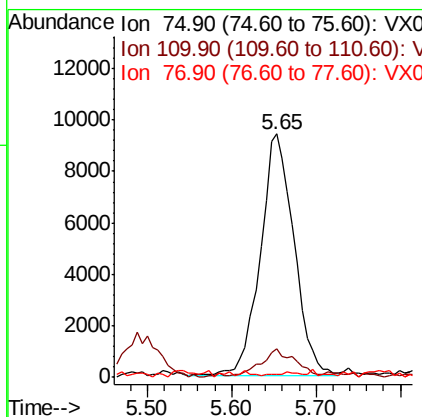
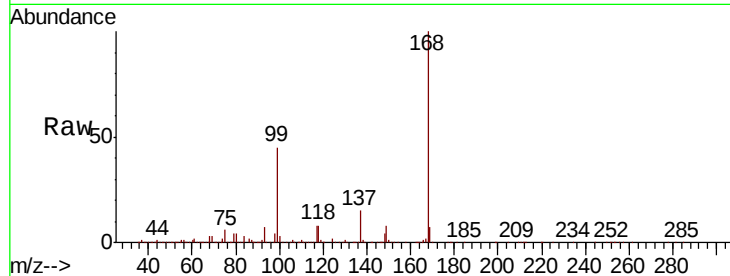




#36
 1,1-Dichloropropene
 Concen: 5.143 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011776.D
 Acq: 22 Aug 2019 20:50

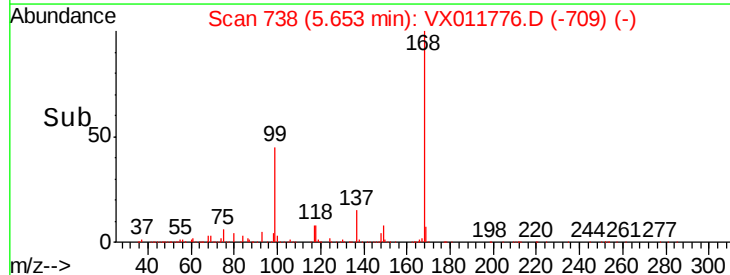
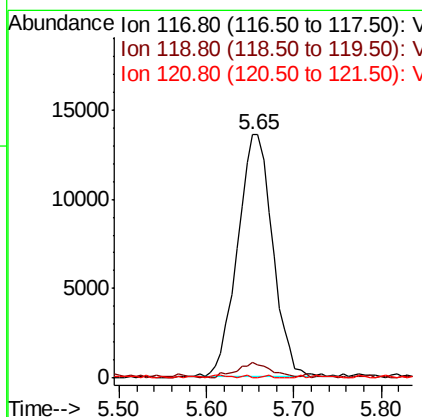
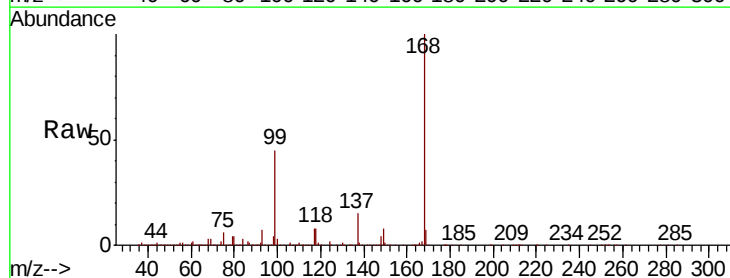
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H2-(0)

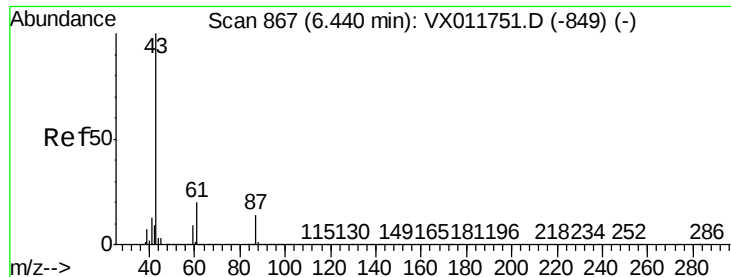
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	19.0	57.0#
77	1.6	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.660 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.12 min
 Lab File: VX011776.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.6	114.8#
121	0.0	25.2	37.8#





#43

Isopropyl Acetate

Concen: 7.687 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011776.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

T1-H2-(0)

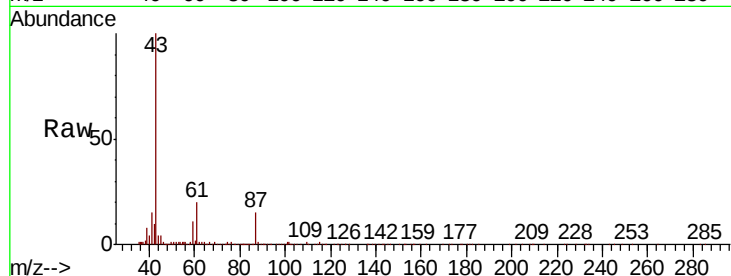
Tgt Ion: 43 Resp: 66023

Ion Ratio Lower Upper

43 100

61 20.4 16.2 24.2

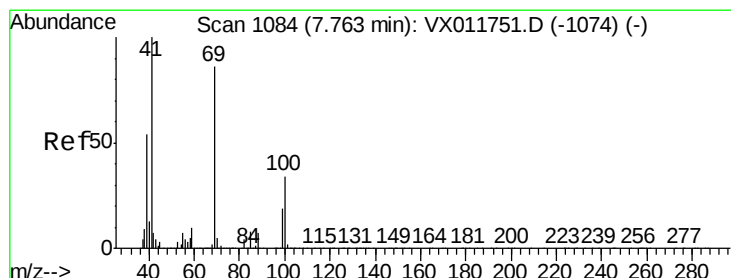
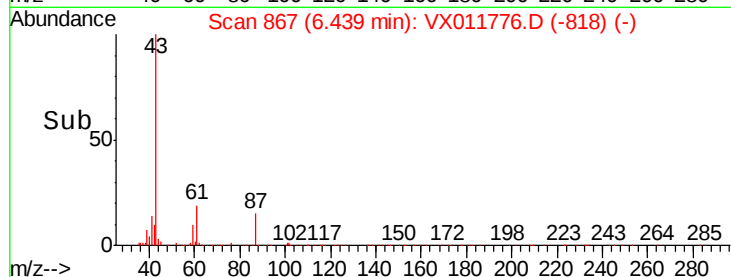
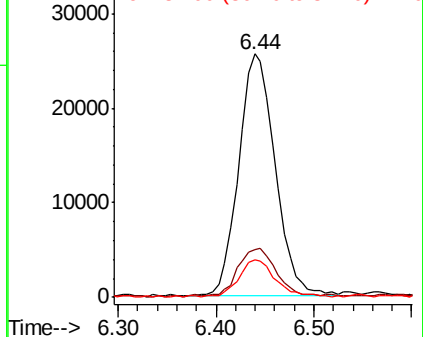
87 14.9 11.6 17.4



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: 0.900 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. -0.09 min

Lab File: VX011776.D

Acq: 22 Aug 2019 20:50

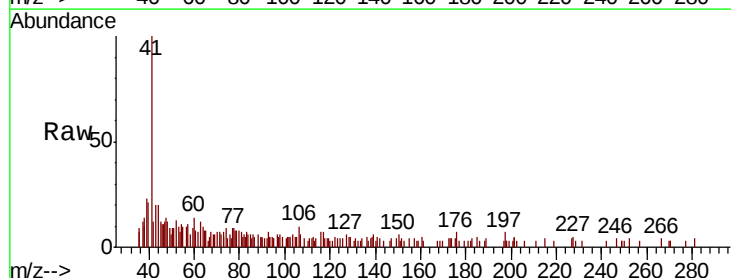
Tgt Ion: 41 Resp: 3845

Ion Ratio Lower Upper

41 100

69 2.8 69.4 104.2#

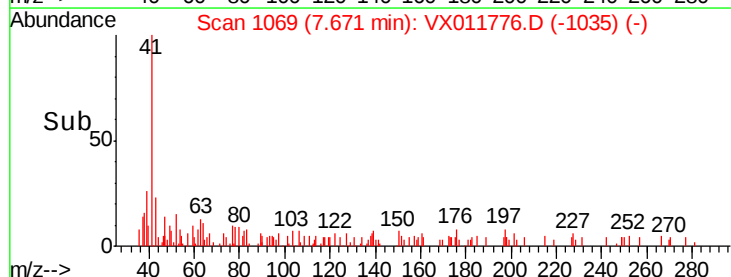
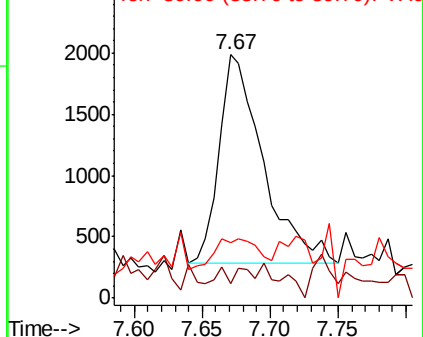
39 0.0 43.6 65.4#

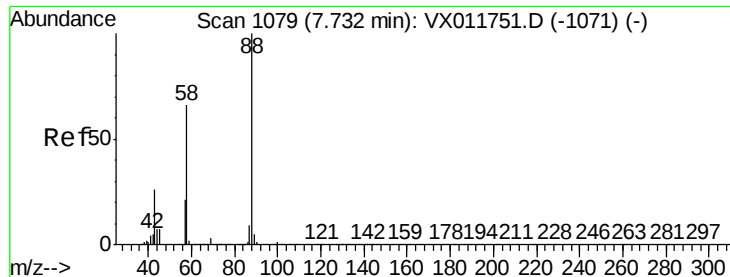


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

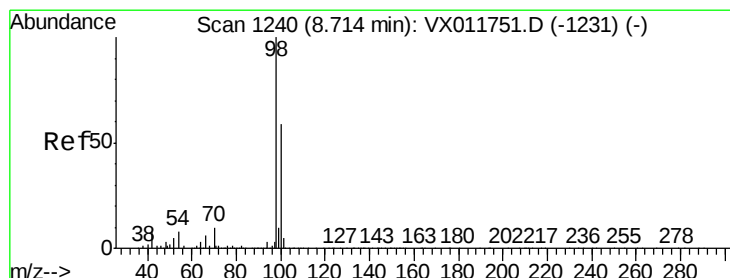
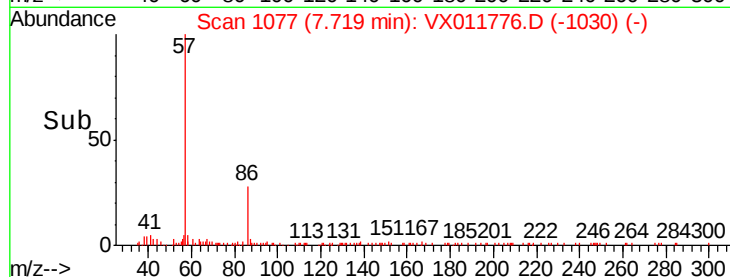
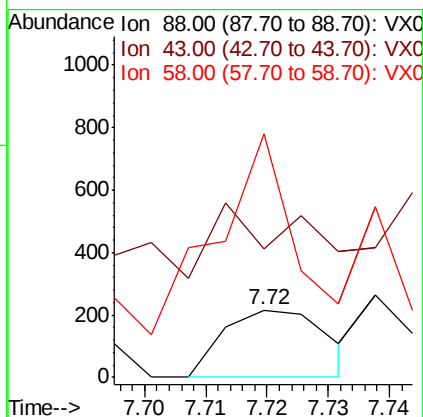
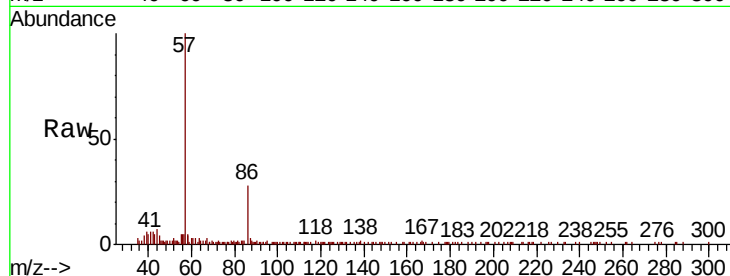




#49
1,4-Dioxane
Concen: 2.128 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

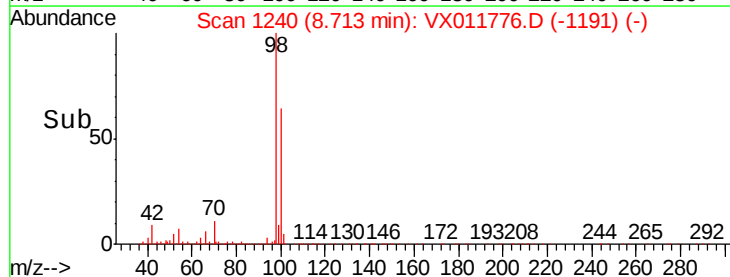
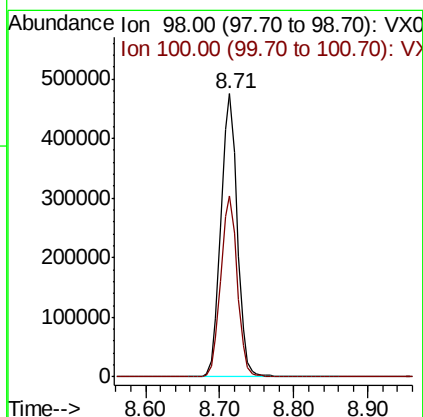
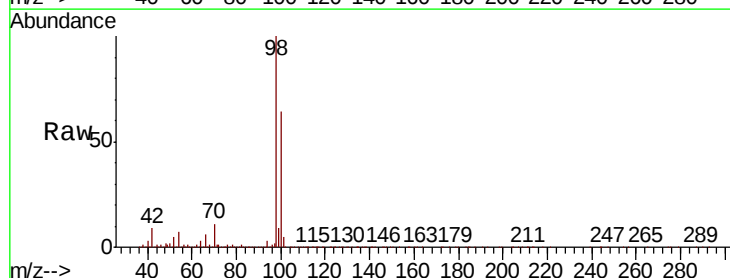
Instrument :
MSVOA_X
ClientSampleId :
T1-H2-(0)

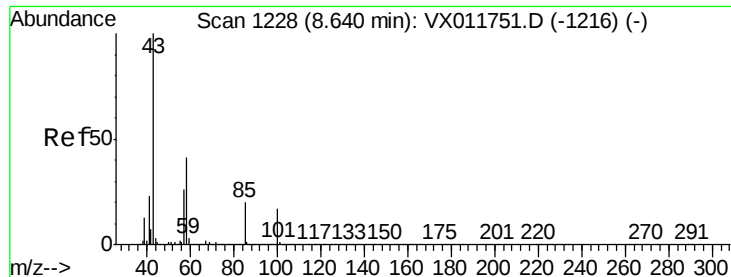
Tgt Ion: 88 Resp: 252
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 259.9 51.4 77.2#



#50
Toluene-d8
Concen: 50.266 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 98 Resp: 724961
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

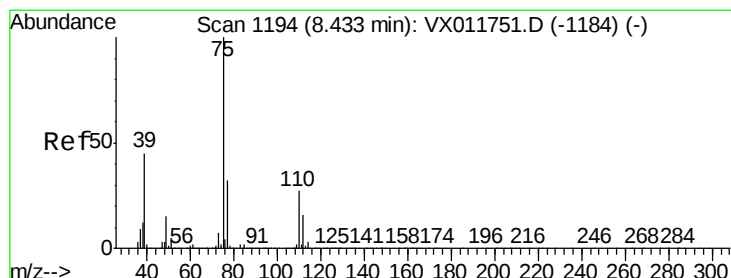
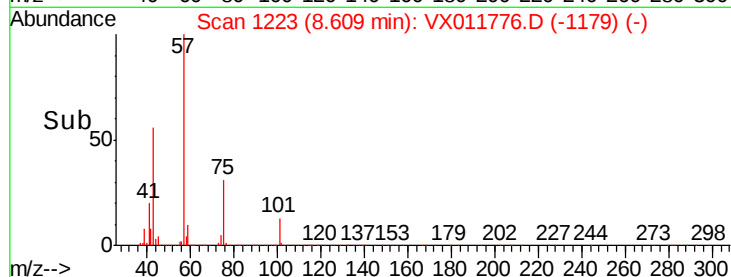
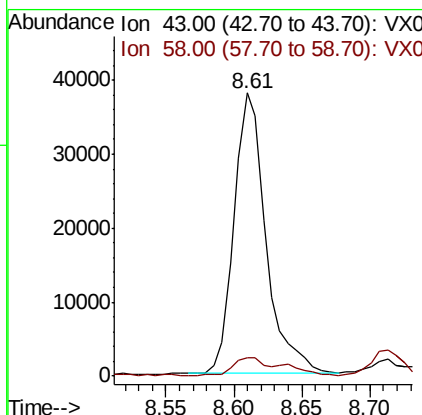
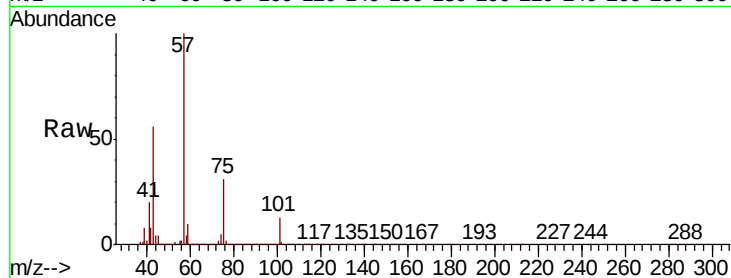




#51
 4-Methyl-2-Pentanone
 Concen: 10.979 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011776.D
 Acq: 22 Aug 2019 20:50

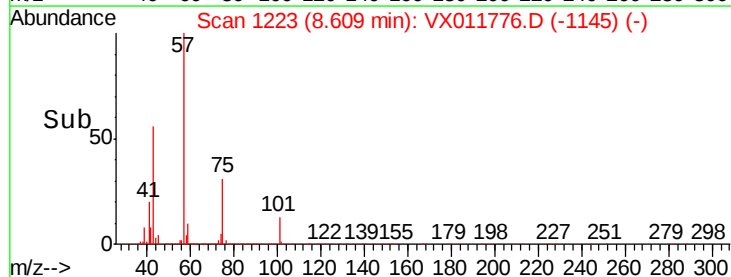
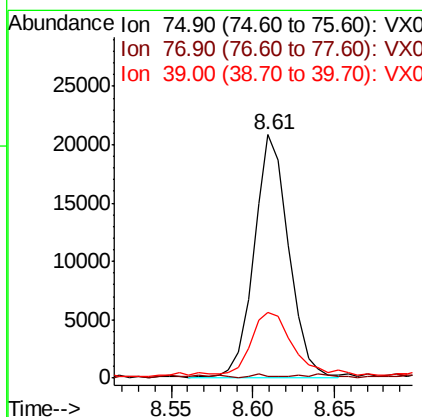
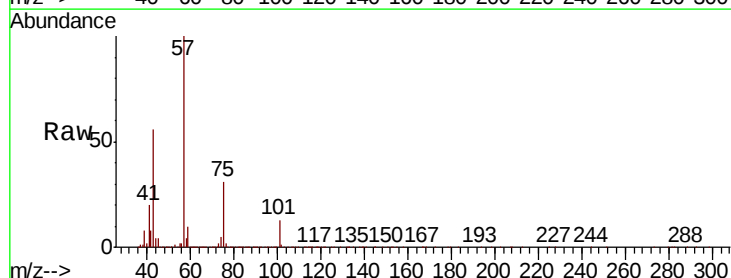
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-H2-(0)

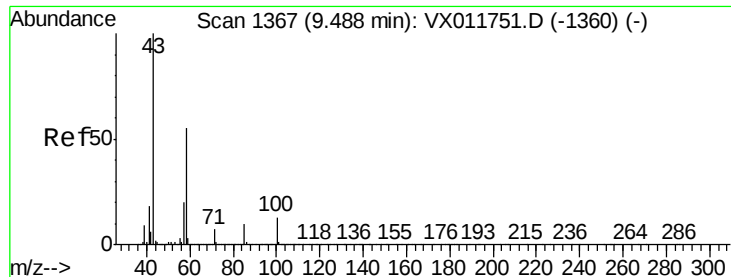
Tgt Ion: 43 Resp: 62132
 Ion Ratio Lower Upper
 43 100
 58 6.6 31.8 47.6#



#54
 cis-1,3-Dichloropropene
 Concen: 5.220 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011776.D
 Acq: 22 Aug 2019 20:50

Tgt Ion: 75 Resp: 30932
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 25.8 36.2 54.4#

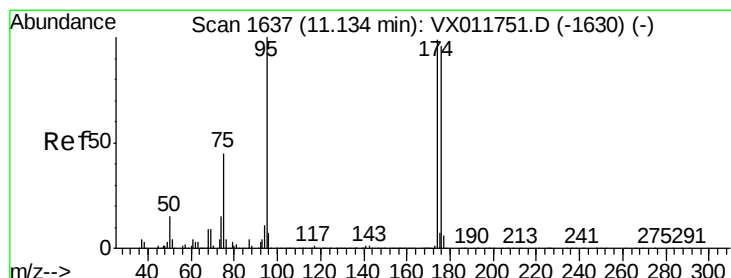
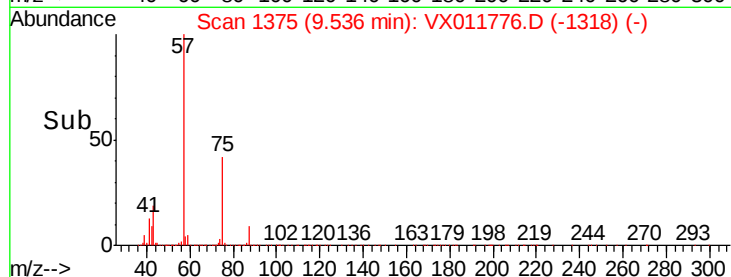
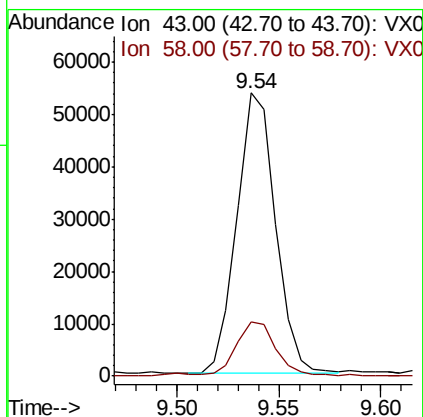
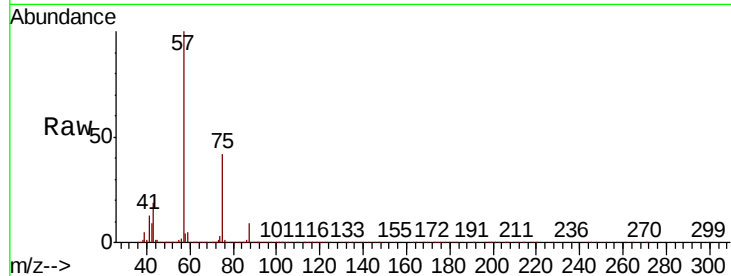




#59
2-Hexanone
Concen: 16.161 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

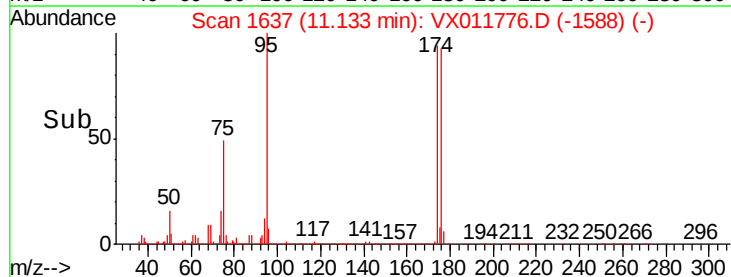
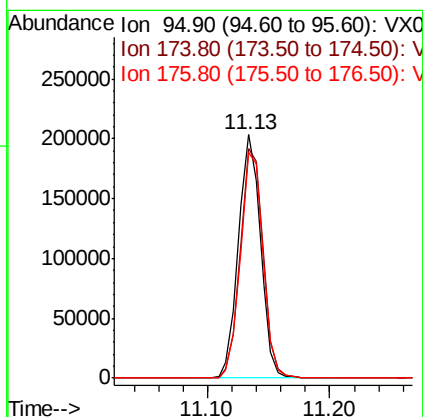
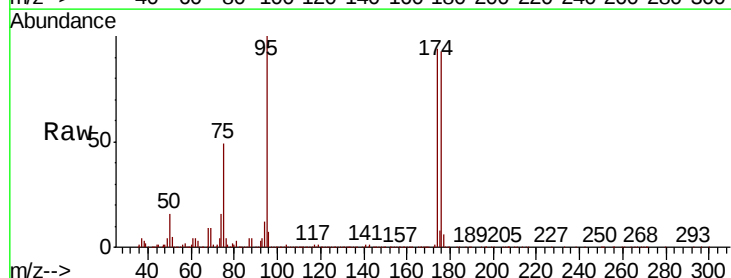
Instrument :
MSVOA_X
ClientSampleId :
T1-H2-(0)

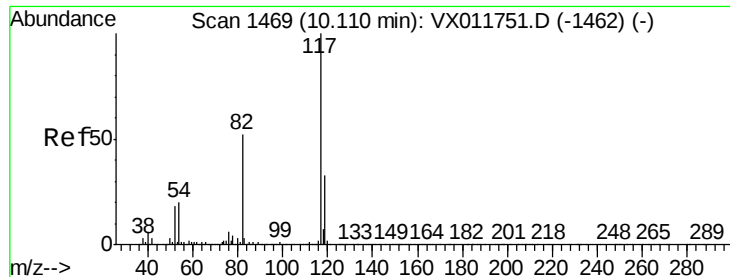
Tgt Ion: 43 Resp: 70199
Ion Ratio Lower Upper
43 100
58 20.2 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 44.337 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 95 Resp: 252752
Ion Ratio Lower Upper
95 100
174 97.4 0.0 197.4
176 94.8 0.0 194.4

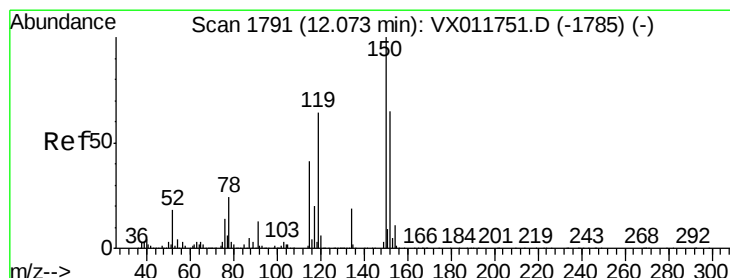
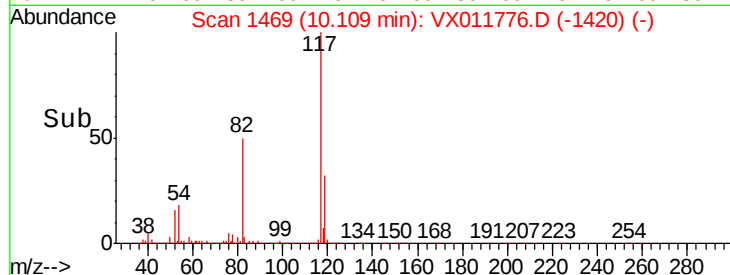
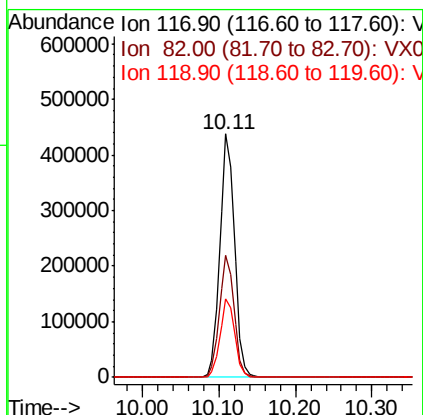
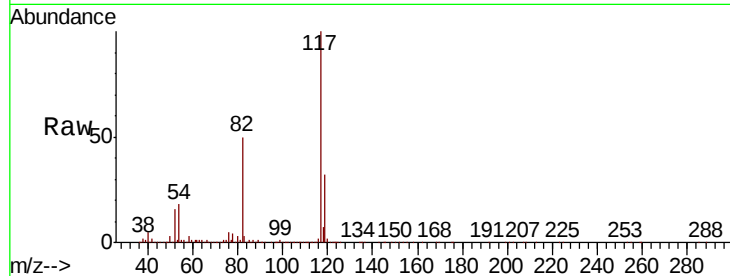




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

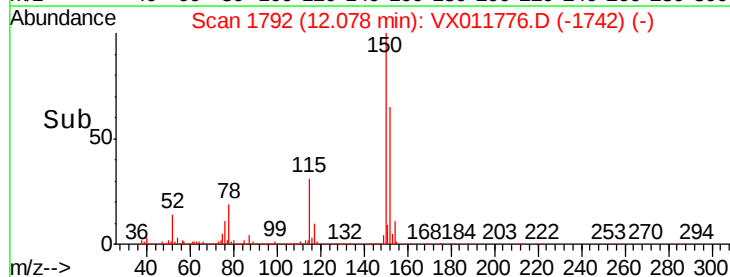
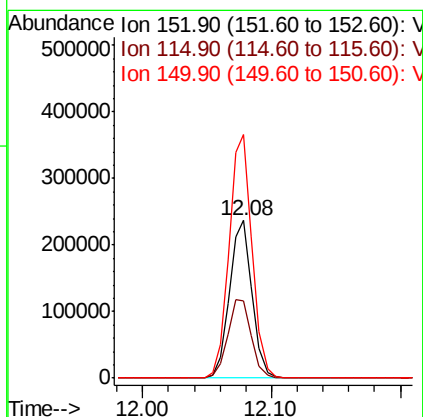
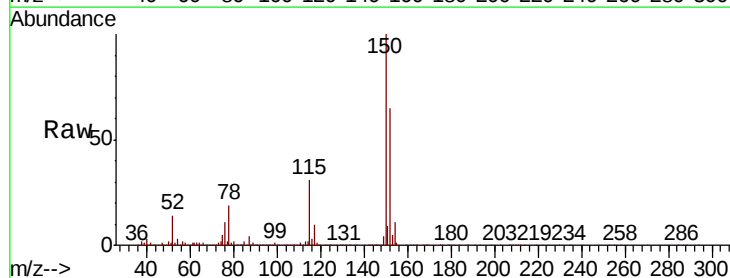
Instrument :
MSVOA_X
ClientSampled :
T1-H2-(0)

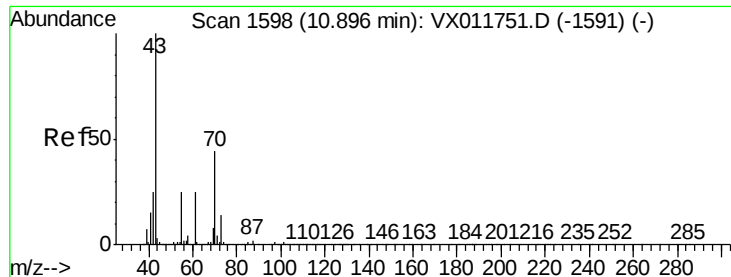
Tgt Ion:117 Resp: 581041
Ion Ratio Lower Upper
117 100
82 50.3 41.7 62.5
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011776.D
Acq: 22 Aug 2019 20:50

Tgt Ion:152 Resp: 290743
Ion Ratio Lower Upper
152 100
115 51.7 37.3 111.8
150 156.7 0.0 343.0





#74

N-amyI acetate

Concen: 0.423 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011776.D

Acq: 22 Aug 2019 20:50

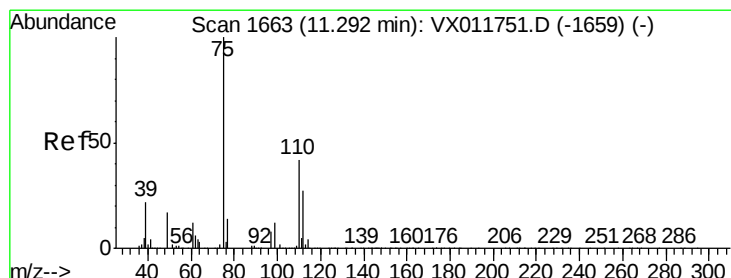
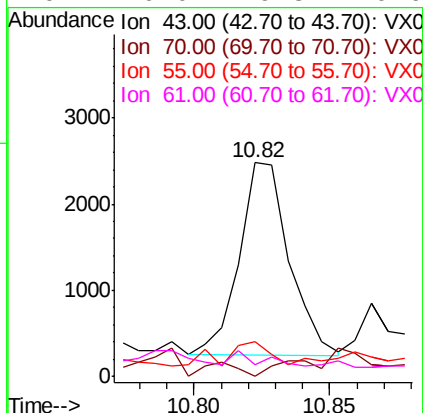
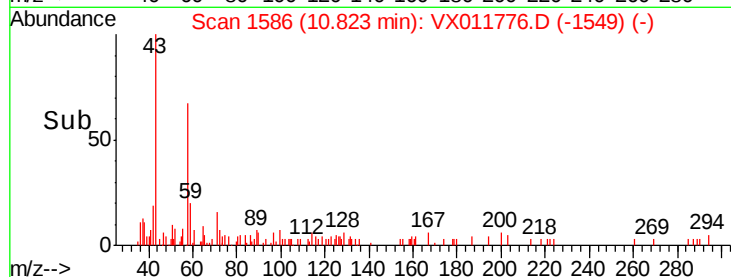
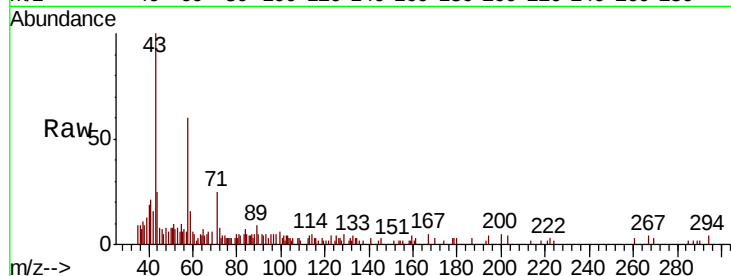
Instrument :

MSVOA_X

ClientSampleId :

T1-H2-(0)

Tgt Ion:	43	Resp:	2866
Ion	Ratio	Lower	Upper
43	100		
70	3.4	34.8	52.2#
55	12.0	19.5	29.3#
61	0.0	19.8	29.6#



#76

1,2,3-Trichloropropane

Concen: 23.423 ug/l

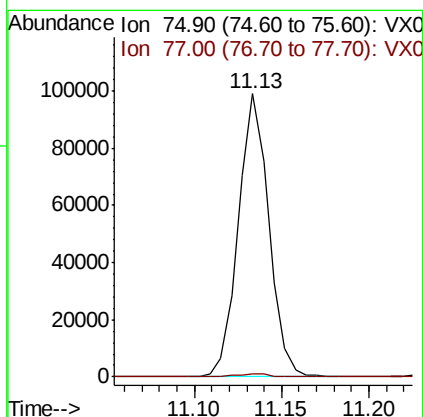
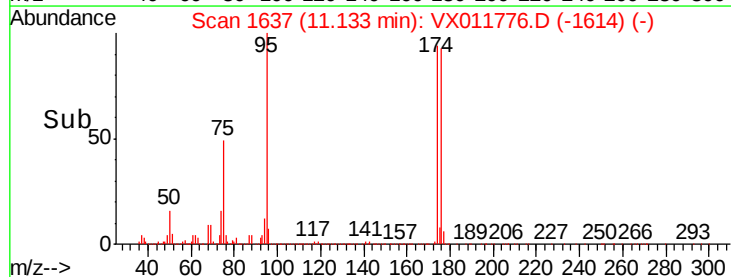
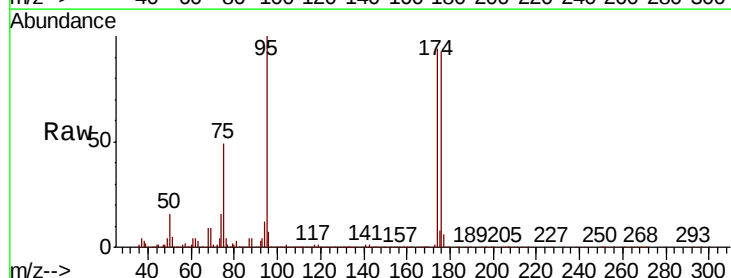
RT: 11.13 min Scan# 1637

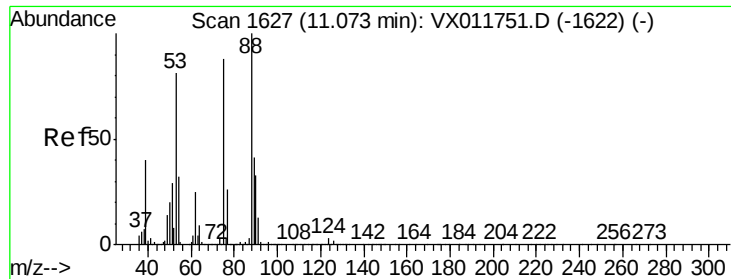
Delta R.T. -0.16 min

Lab File: VX011776.D

Acq: 22 Aug 2019 20:50

Tgt Ion:	75	Resp:	119498
Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.1	63.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.640 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011776.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

T1-H2-(0)

Tgt Ion: 75 Resp: 119498

Ion Ratio Lower Upper

75 100

53 0.2 77.1 115.7#

89 0.0 38.5 57.7#

