

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103124\
 Data File : VX043647.D
 Acq On : 31 Oct 2024 13:40
 Operator : JC/MD
 Sample : P4640-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 01 00:52:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 28 13:41:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

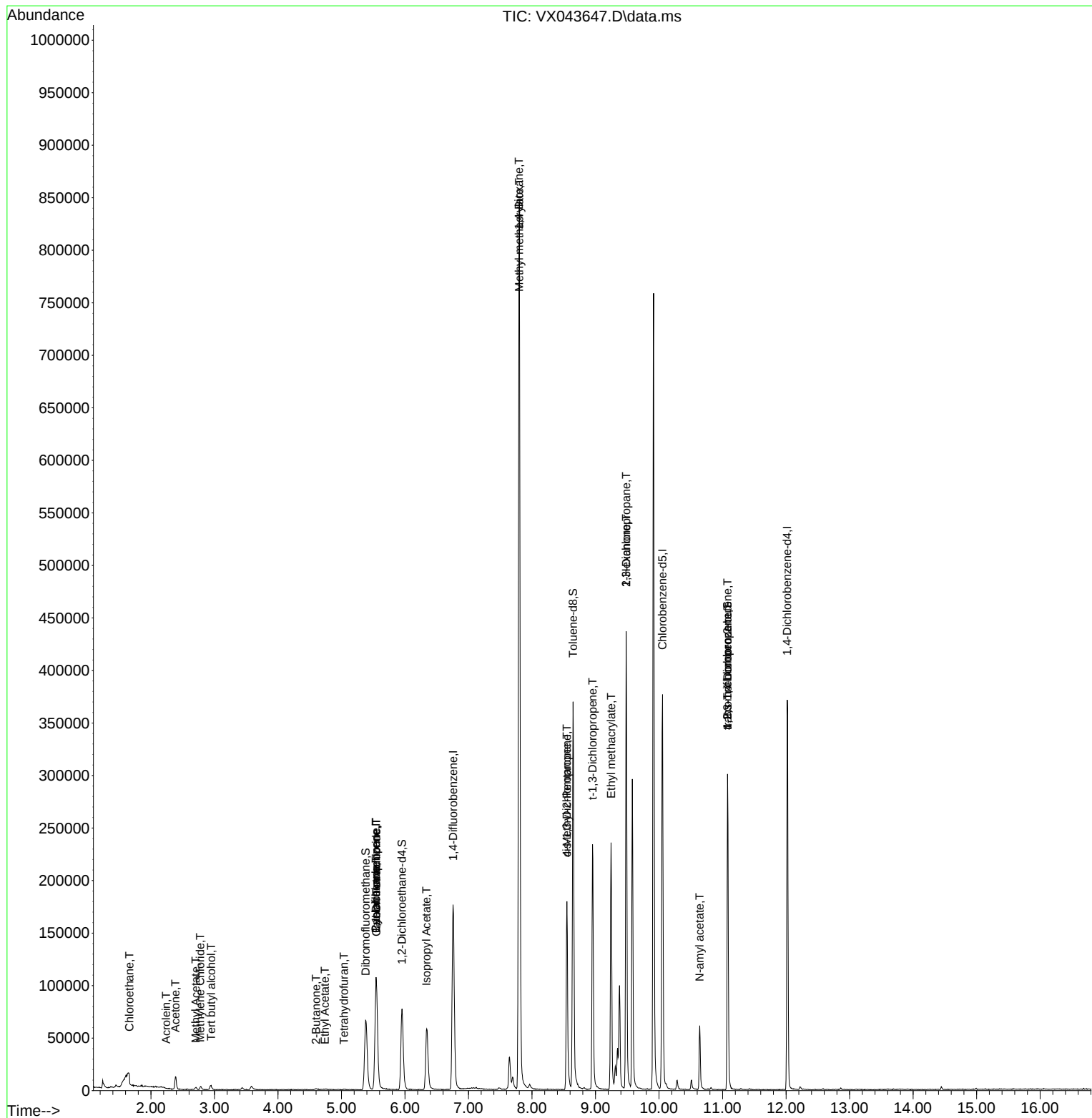
Internal Standards						
1) Pentafluorobenzene	5.544	168	106579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	195743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74120	43.615	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.220%		
35) Dibromofluoromethane	5.379	113	61645	46.443	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.880%		
50) Toluene-d8	8.647	98	229337	49.913	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.820%		
62) 4-Bromofluorobenzene	11.079	95	84354	49.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.080%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	165	0.346	ug/l #	43
11) Tert butyl alcohol	2.947	59	2530	7.976	ug/l #	100
13) Acrolein	2.239	56	57	0.230	ug/l #	36
16) Acetone	2.386	43	13864	20.544	ug/l	94
18) Methyl Acetate	2.703	43	2712	1.375	ug/l	97
20) Methylene Chloride	2.776	84	1485	1.021	ug/l	92
25) 2-Butanone	4.599	43	1347	1.368	ug/l #	86
29) Tetrahydrofuran	5.038	42	375	0.586	ug/l #	55
31) Cyclohexane	5.544	56	1991	1.110	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	7784	4.946	ug/l #	49
37) Ethyl Acetate	4.739	43	641	0.335	ug/l #	83
38) Carbon Tetrachloride	5.550	117	10880	6.256	ug/l #	15
43) Isopropyl Acetate	6.336	43	85347	27.009	ug/l	99
48) Methyl methacrylate	7.799	41	68639	45.815	ug/l #	41
49) 1,4-Dioxane	7.793	88	108	3.509	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	61597	31.982	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	628	0.335	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	31803	15.914	ug/l #	58
56) Ethyl methacrylate	9.244	69	679	0.315	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4087	1.854	ug/l #	42
59) 2-Hexanone	9.482	43	50755	34.697	ug/l #	53
74) N-amyl acetate	10.640	43	15215	5.301	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	41068	23.093	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	41068	63.530	ug/l #	7

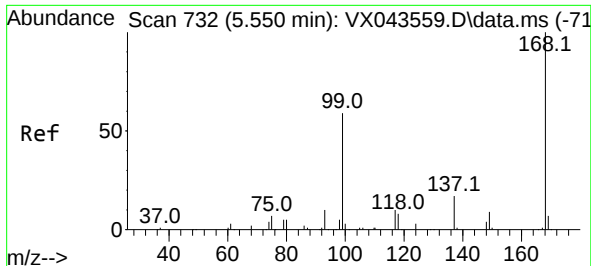
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Nov 01 00:52:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

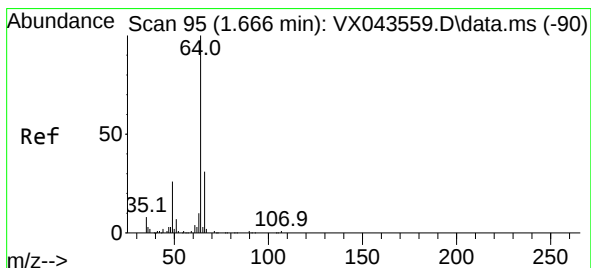
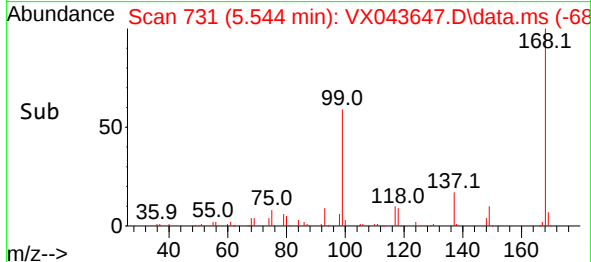
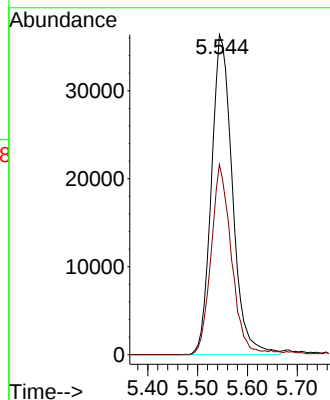
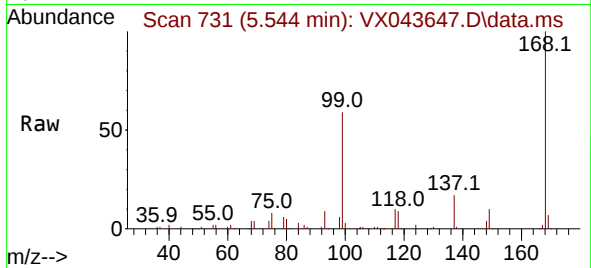




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

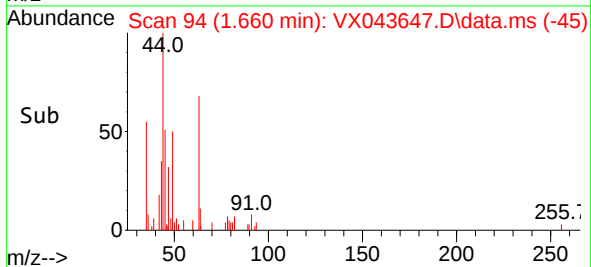
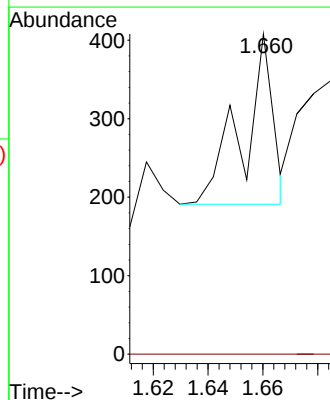
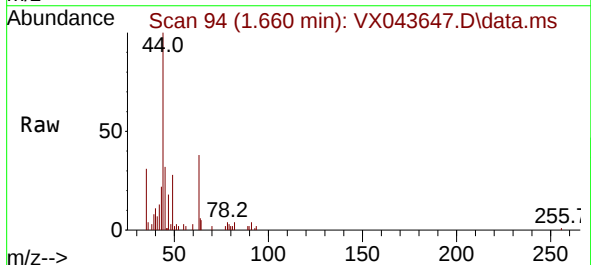
Instrument :
MSVOA_X
ClientSampleId :

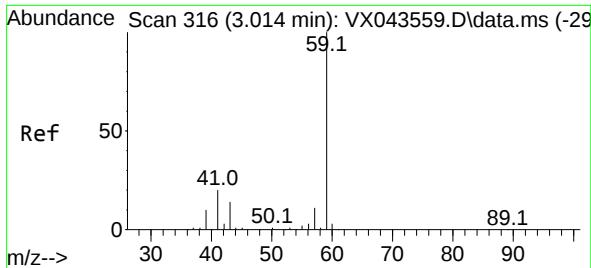
Tgt Ion:168 Resp: 106579
Ion Ratio Lower Upper
168 100
99 59.4 52.6 78.8



#6
Chloroethane
Concen: 0.346 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Tgt Ion: 64 Resp: 165
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 7.976 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.103 min

Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

Instrument :

MSVOA_X

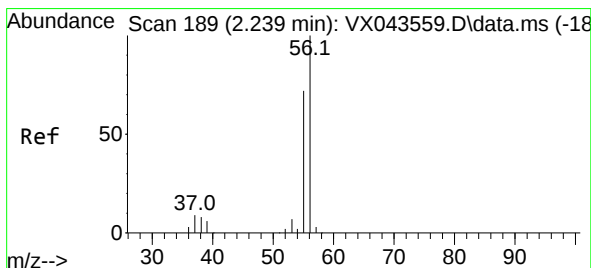
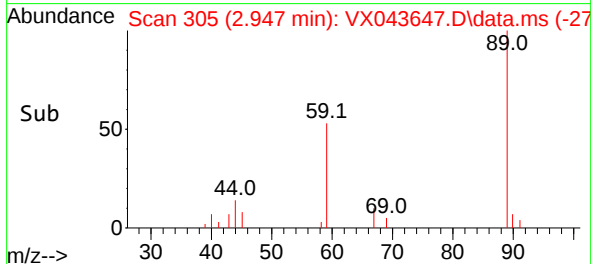
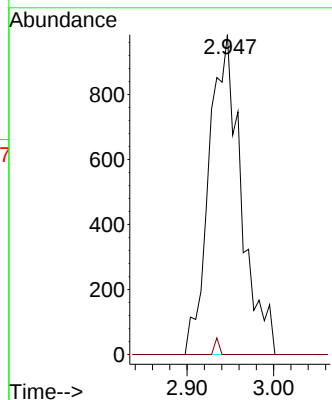
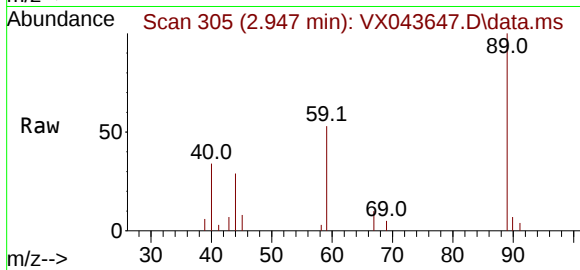
ClientSampleId :

Tgt Ion: 59 Resp: 2530

Ion Ratio Lower Upper

59 100

57 0.8 0.0 0.0#



#13

Acrolein

Concen: 0.230 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043647.D

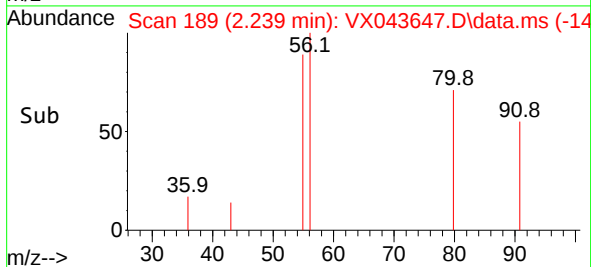
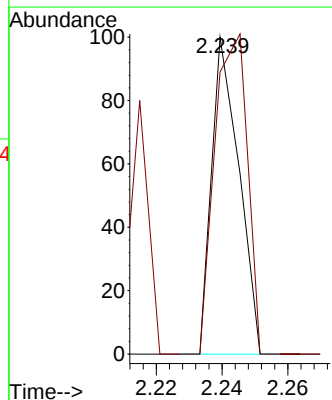
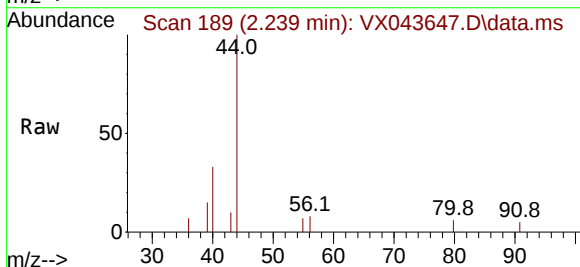
Acq: 31 Oct 2024 13:40

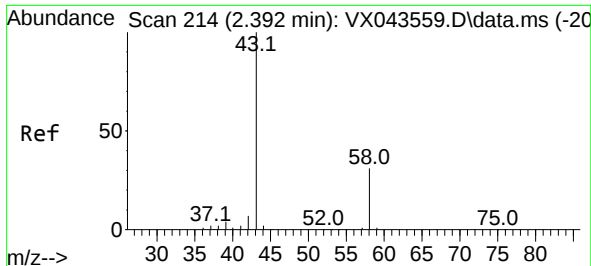
Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 121.1 55.3 82.9#

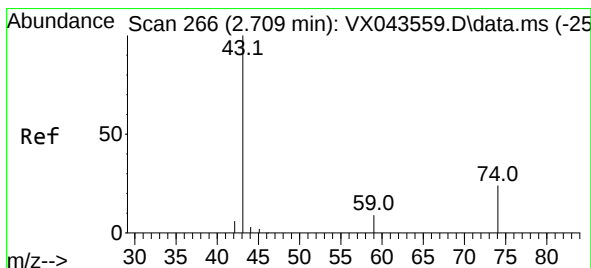
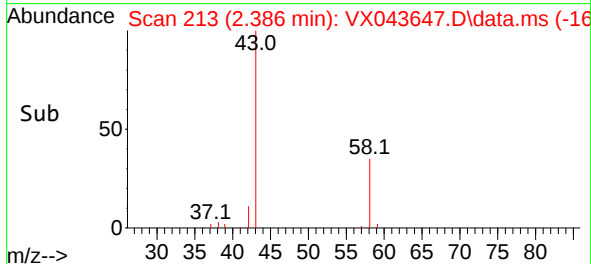
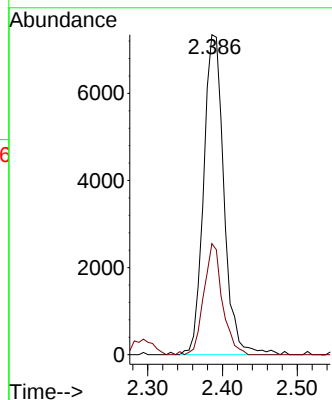
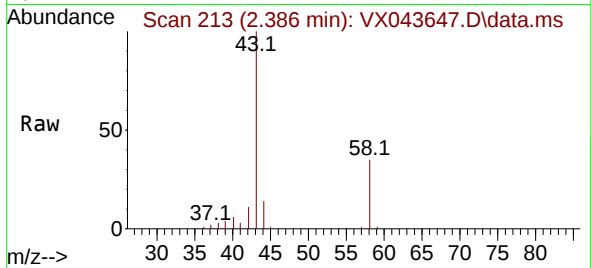




#16
Acetone
Concen: 20.544 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

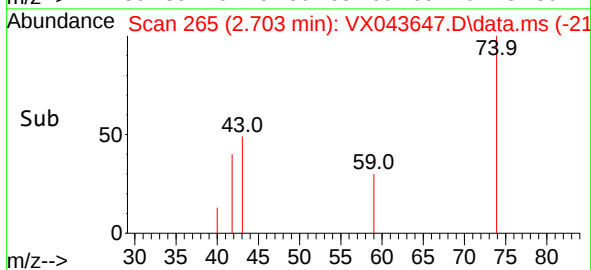
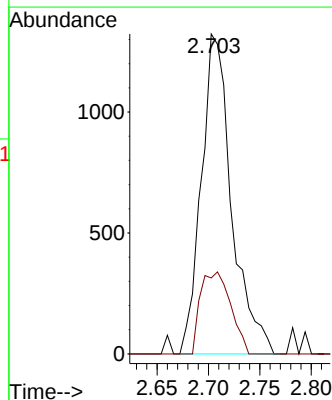
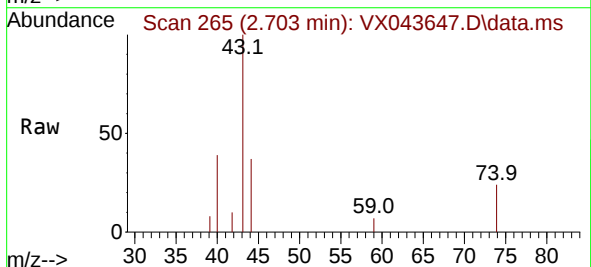
Instrument :
MSVOA_X
ClientSampleId :

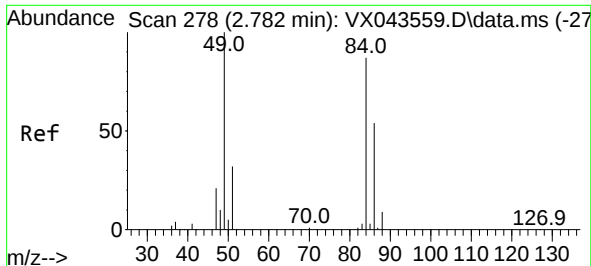
Tgt Ion: 43 Resp: 13864
Ion Ratio Lower Upper
43 100
58 34.7 25.1 37.7



#18
Methyl Acetate
Concen: 1.375 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

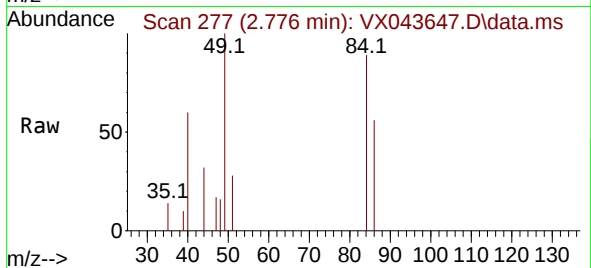
Tgt Ion: 43 Resp: 2712
Ion Ratio Lower Upper
43 100
74 25.6 19.1 28.7



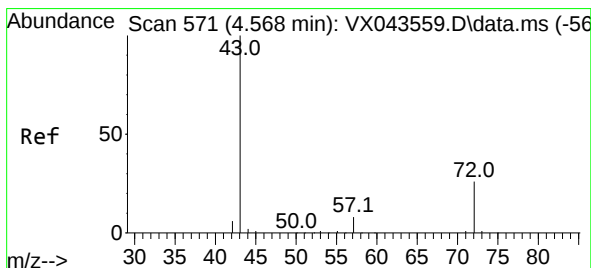
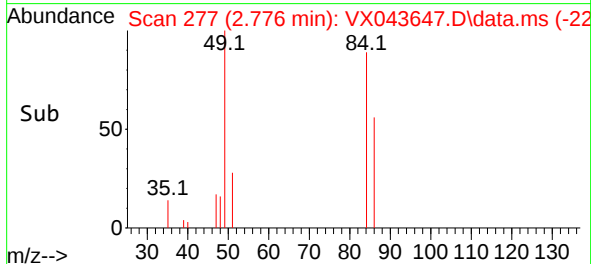
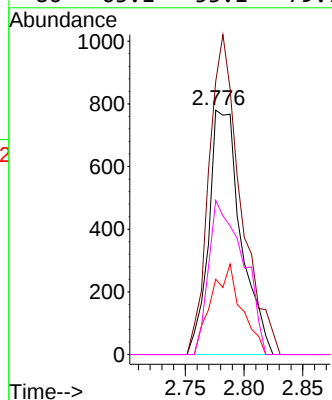


#20
Methylene Chloride
Concen: 1.021 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Instrument :
MSVOA_X
ClientSampleId :

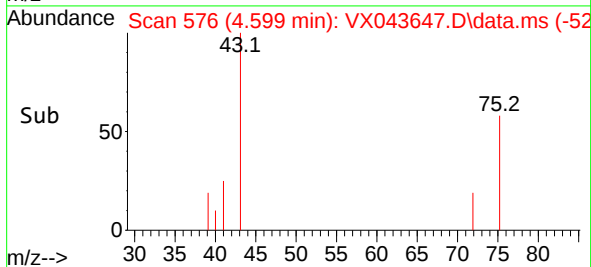
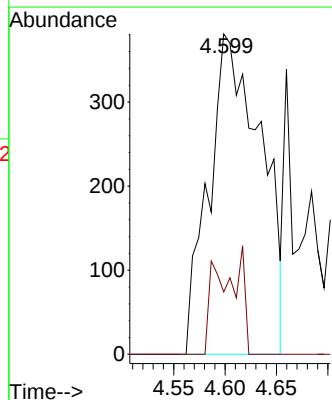
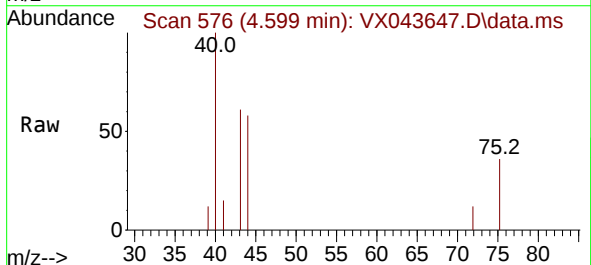


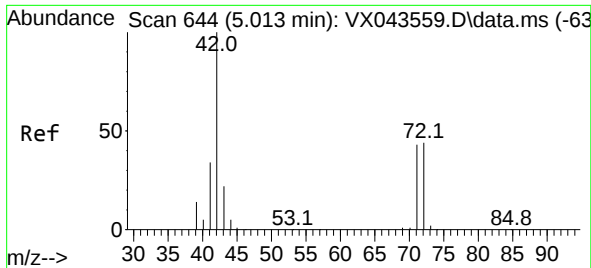
Tgt Ion: 84	Resp: 1485
Ion Ratio	Lower Upper
84 100	
49 111.8	97.0 145.6
51 30.8	29.8 44.8
86 63.1	53.1 79.7



#25
2-Butanone
Concen: 1.368 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.031 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Tgt Ion: 43	Resp: 1347
Ion Ratio	Lower Upper
43 100	
72 19.4	21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.586 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.024 min

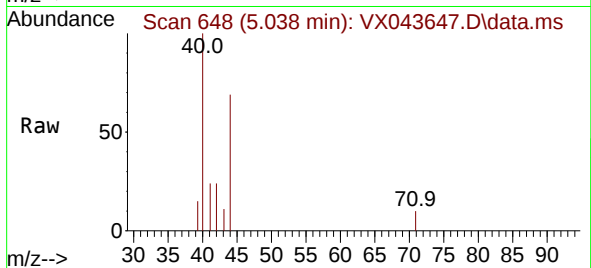
Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

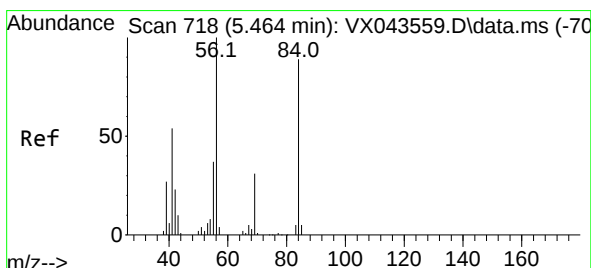
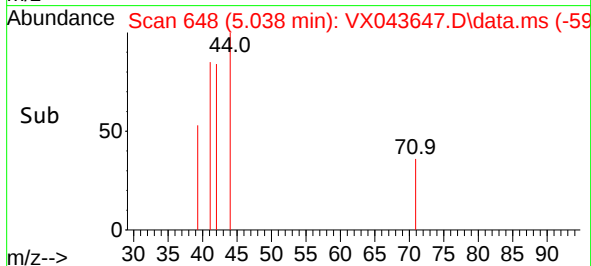
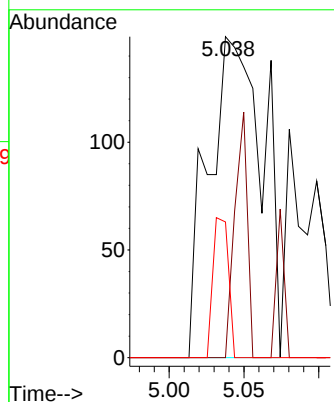
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	375
Ion	Ratio	Lower	Upper
42	100		
72	17.9	36.6	55.0#
71	12.5	34.2	51.4#



#31

Cyclohexane

Concen: 1.110 ug/l

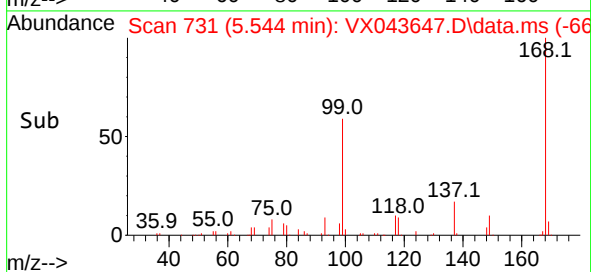
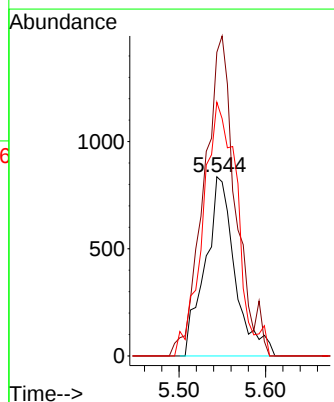
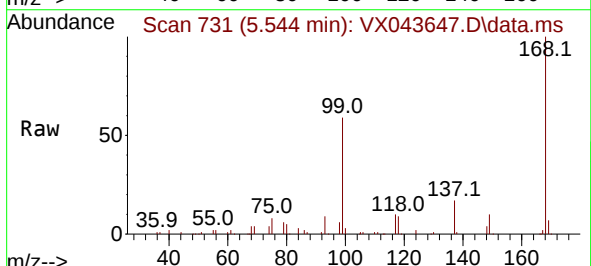
RT: 5.544 min Scan# 731

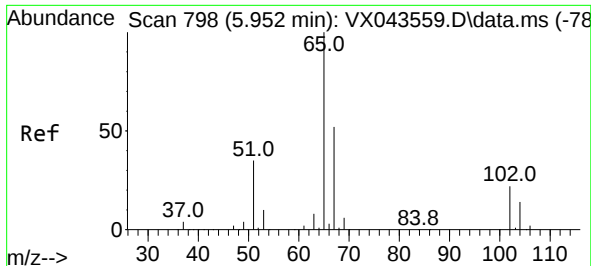
Delta R.T. 0.085 min

Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

Tgt Ion:	56	Resp:	1991
Ion	Ratio	Lower	Upper
56	100		
69	169.5	24.9	37.3#
84	141.6	73.3	109.9#





#33

1,2-Dichloroethane-d4

Concen: 43.615 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

Instrument :

MSVOA_X

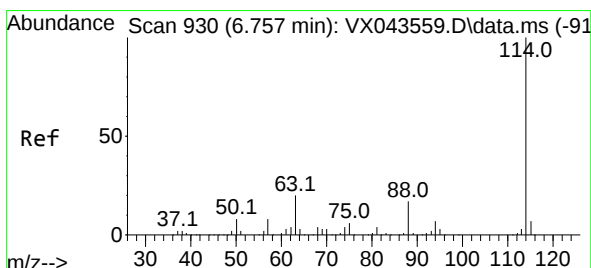
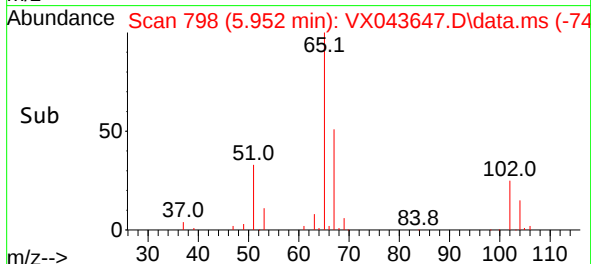
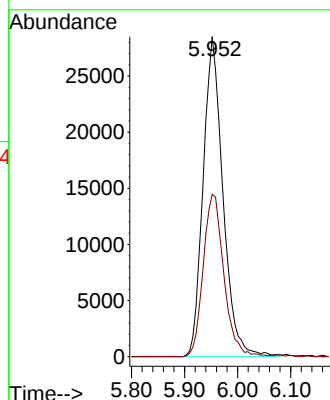
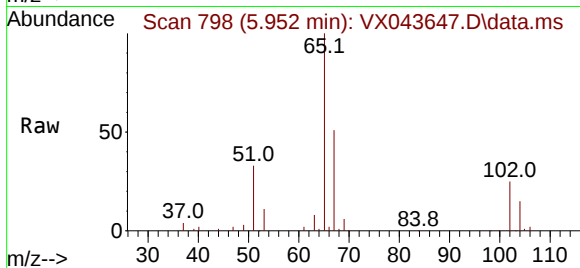
ClientSampleId :

Tgt Ion: 65 Resp: 74120

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

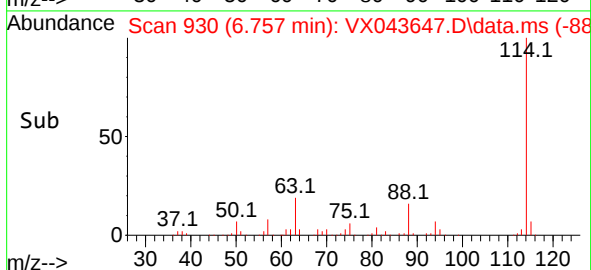
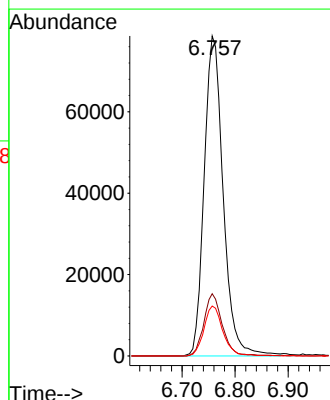
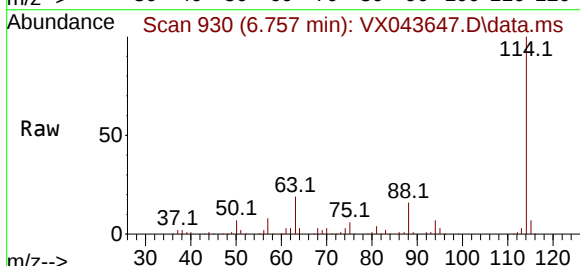
Tgt Ion: 114 Resp: 195743

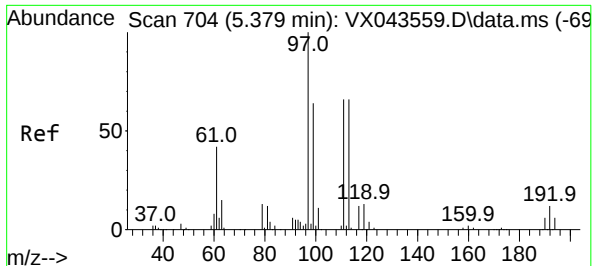
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.2

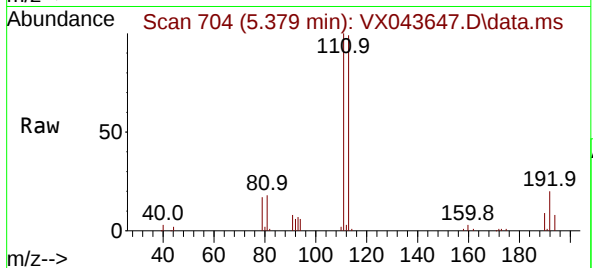
88 15.6 0.0 34.0



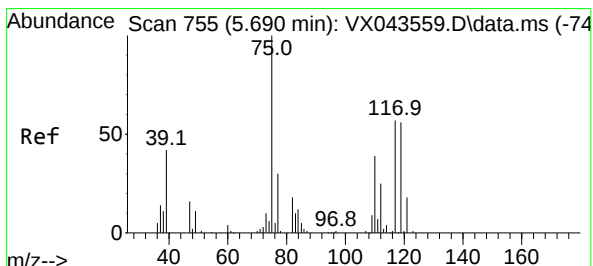
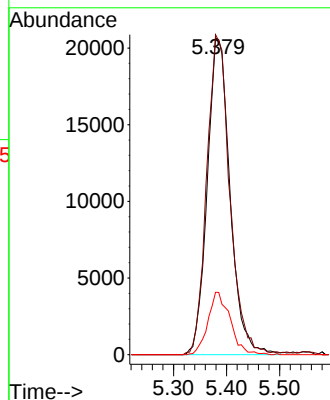
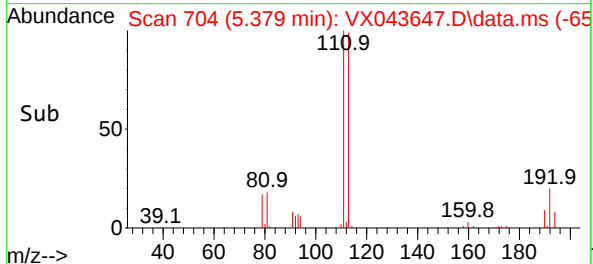


#35
Dibromofluoromethane
Concen: 46.443 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Instrument :
MSVOA_X
ClientSampleId :

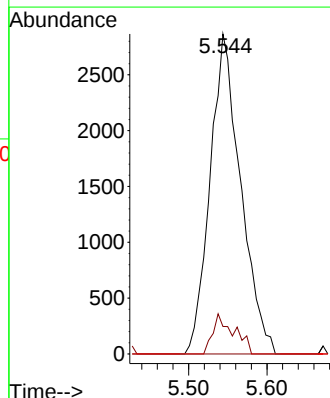
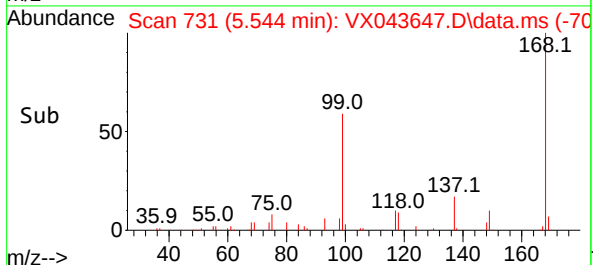
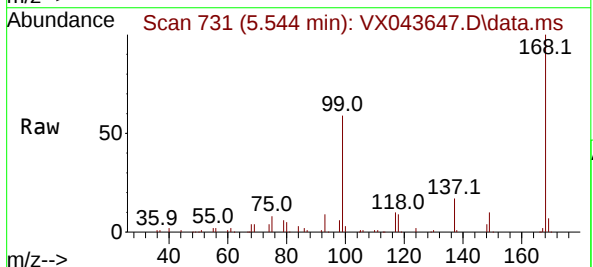


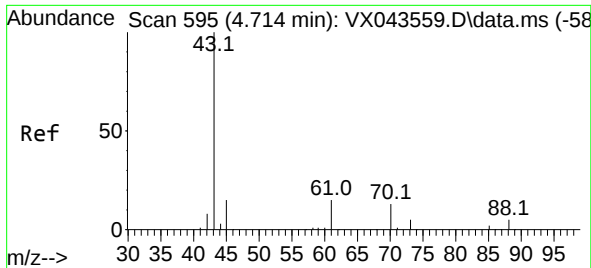
Tgt Ion:113 Resp: 61645
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 19.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.946 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Tgt Ion: 75 Resp: 7784
Ion Ratio Lower Upper
75 100
110 8.6 17.9 53.7#
77 0.0 25.0 37.4#

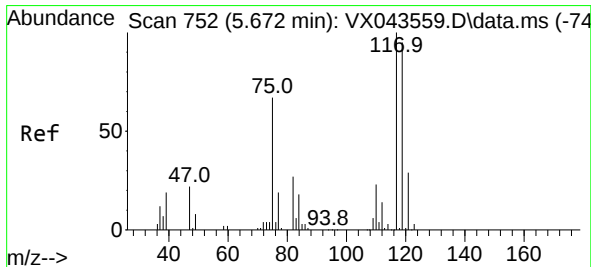
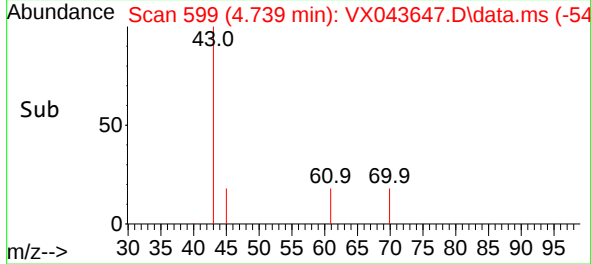
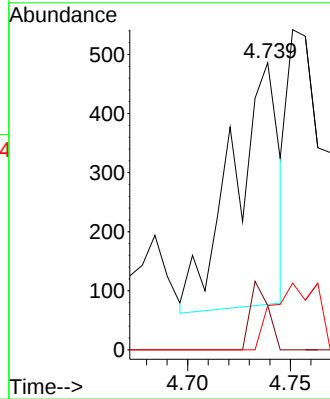
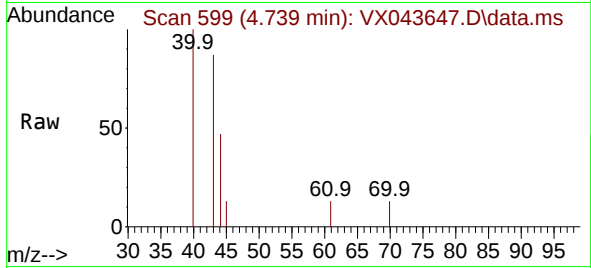




#37
Ethyl Acetate
Concen: 0.335 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

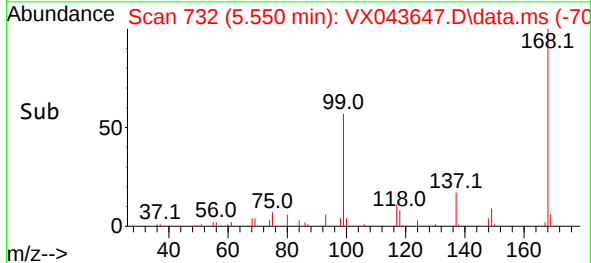
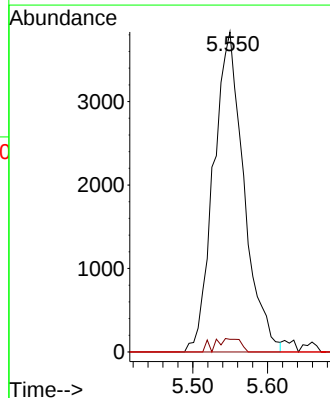
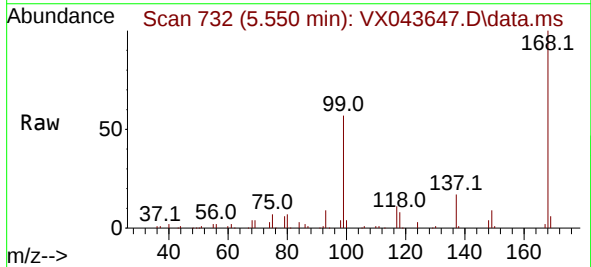
Instrument :
MSVOA_X
ClientSampleId :

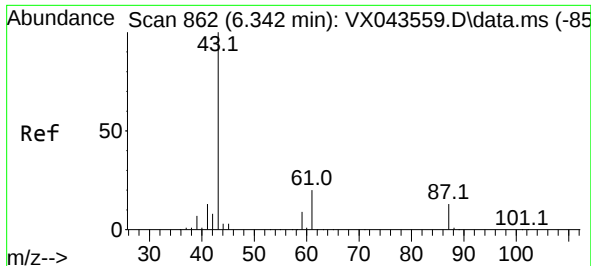
Tgt Ion: 43 Resp: 641
Ion Ratio Lower Upper
43 100
61 10.9 11.0 16.6#
70 0.0 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 6.256 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Tgt Ion: 117 Resp: 10880
Ion Ratio Lower Upper
117 100
119 3.9 77.0 115.6#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 27.009 ug/l

RT: 6.336 min Scan# 8

Delta R.T. -0.006 min

Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

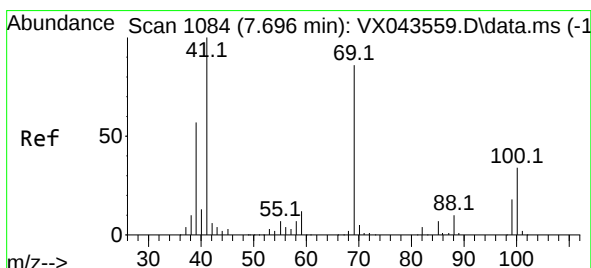
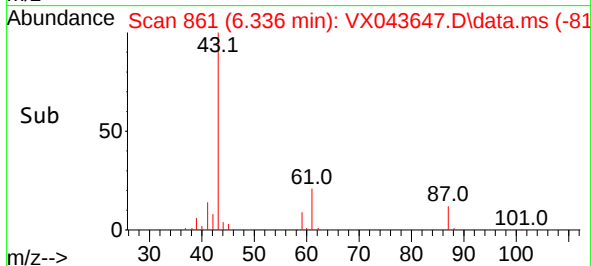
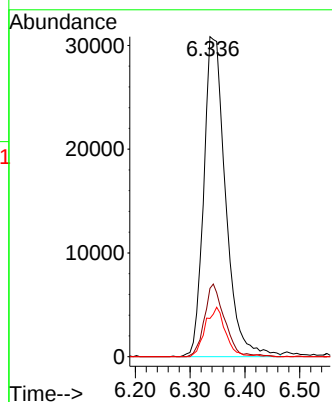
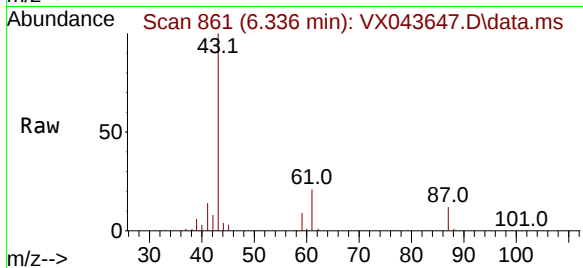
Tgt Ion: 43 Resp: 85347

Ion Ratio Lower Upper

43 100

61 20.9 16.2 24.4

87 14.2 11.0 16.6



#48

Methyl methacrylate

Concen: 45.815 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

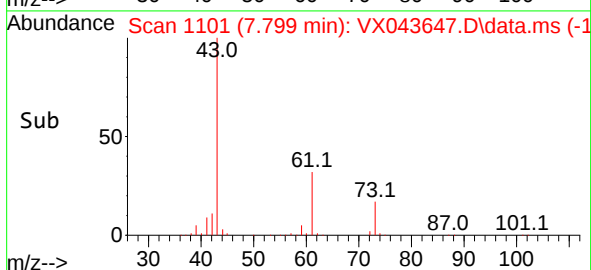
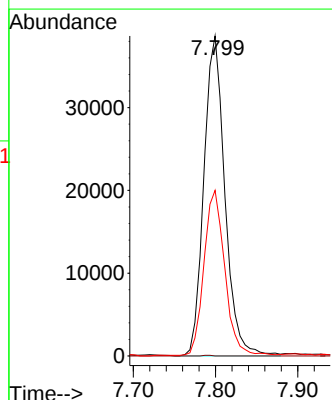
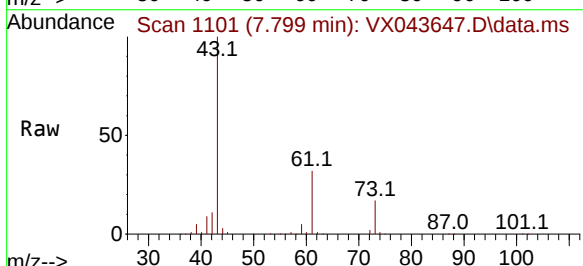
Tgt Ion: 41 Resp: 68639

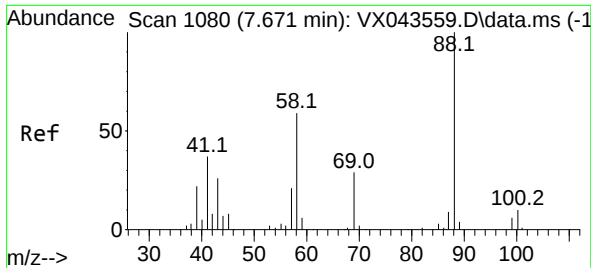
Ion Ratio Lower Upper

41 100

69 0.1 67.7 101.5#

39 50.8 46.3 69.5

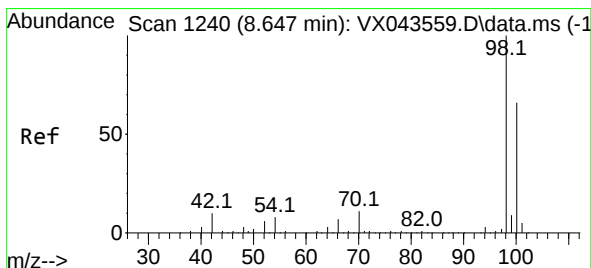
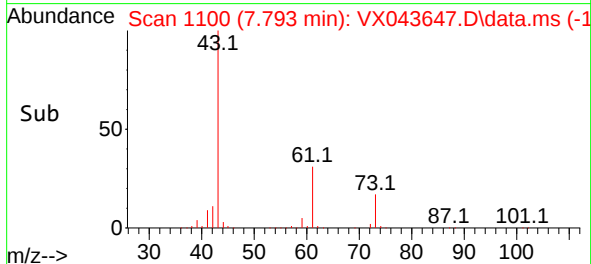
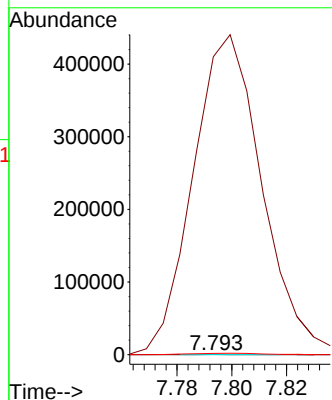
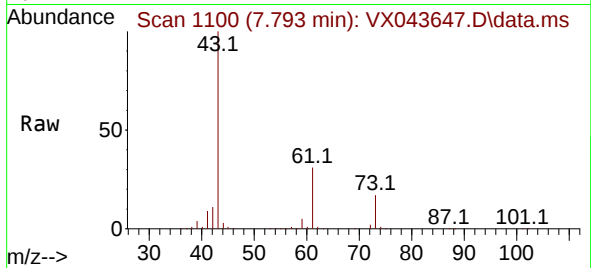




#49
1,4-Dioxane
Concen: 3.509 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

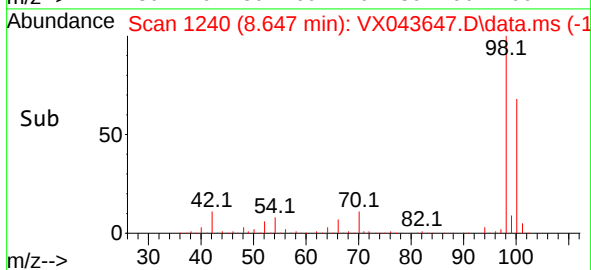
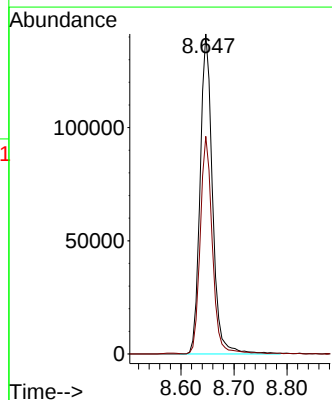
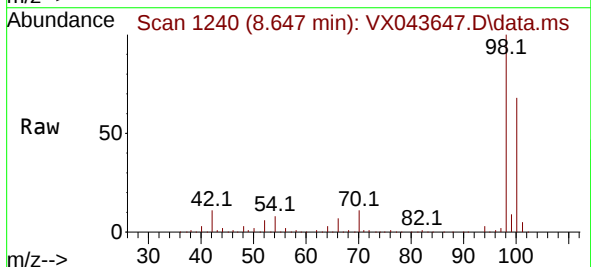
Instrument :
MSVOA_X
ClientSampleId :

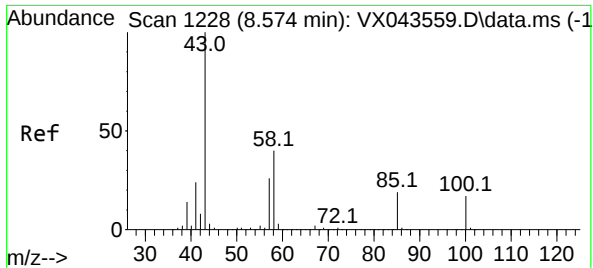
Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 729315.7 25.3 37.9#
58 3404.6 53.9 80.9#



#50
Toluene-d8
Concen: 49.913 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Tgt Ion: 98 Resp: 229337
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.2

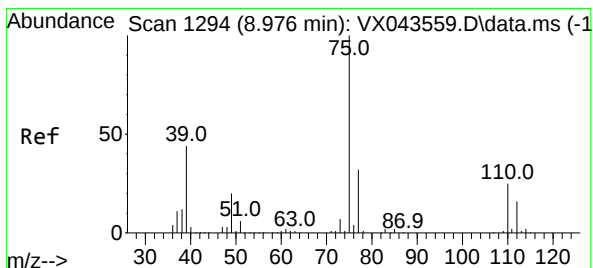
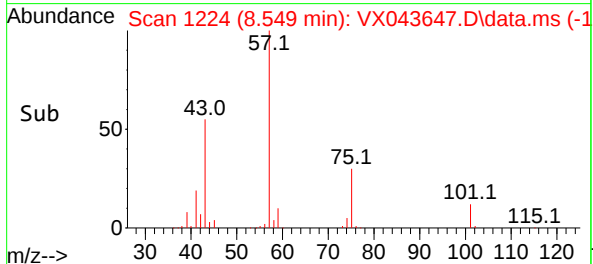
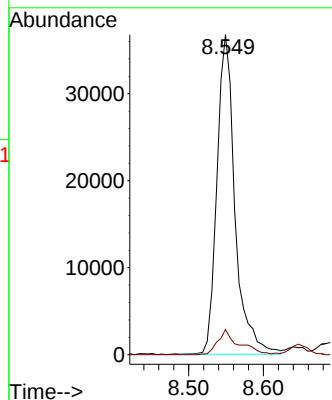
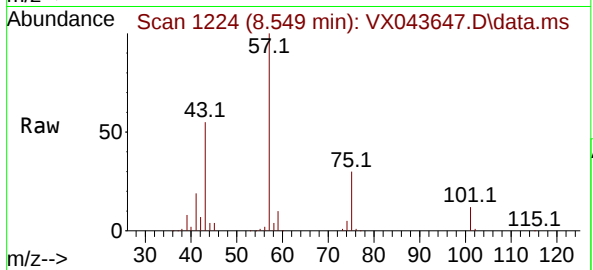




#51
4-Methyl-2-Pentanone
Concen: 31.982 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

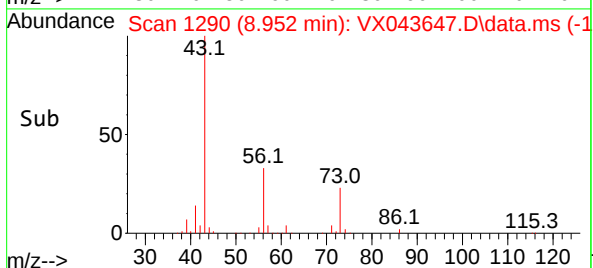
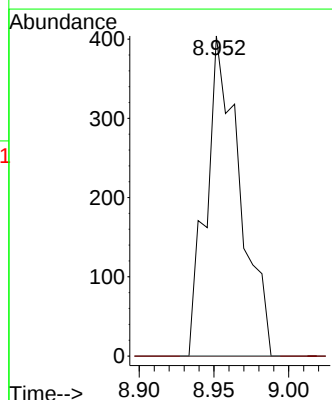
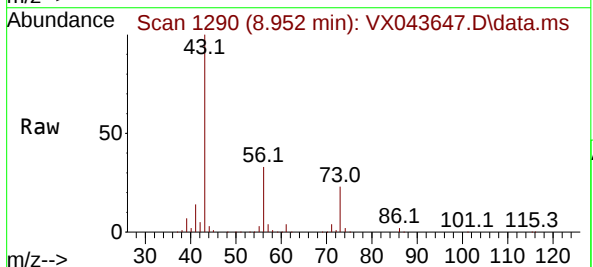
Instrument :
MSVOA_X
ClientSampleId :

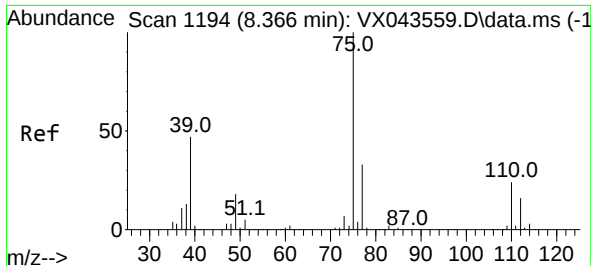
Tgt Ion: 43 Resp: 61597
Ion Ratio Lower Upper
43 100
58 9.1 31.7 47.5#



#53
t-1,3-Dichloropropene
Concen: 0.335 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Tgt Ion: 75 Resp: 628
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

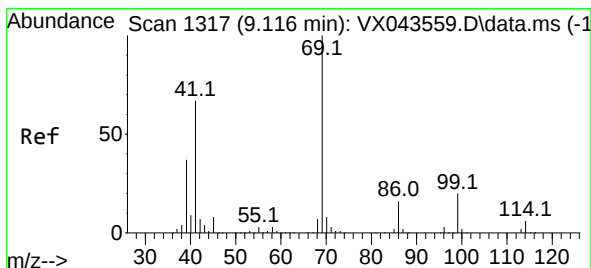
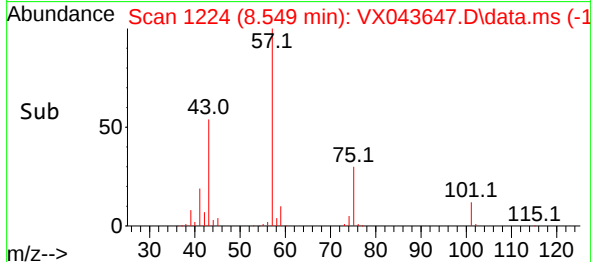
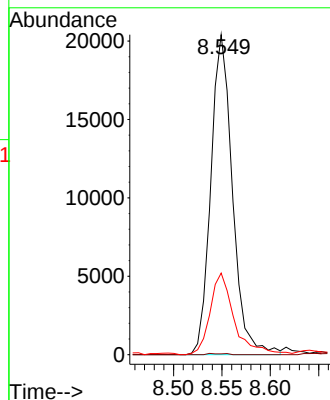
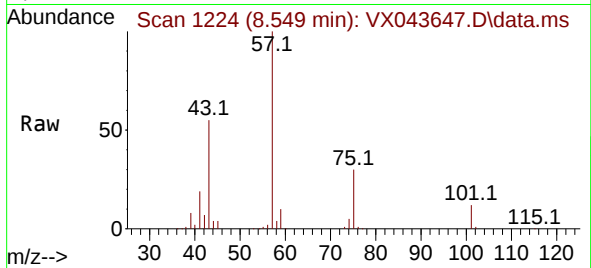




#54
 cis-1,3-Dichloropropene
 Concen: 15.914 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043647.D
 Acq: 31 Oct 2024 13:40

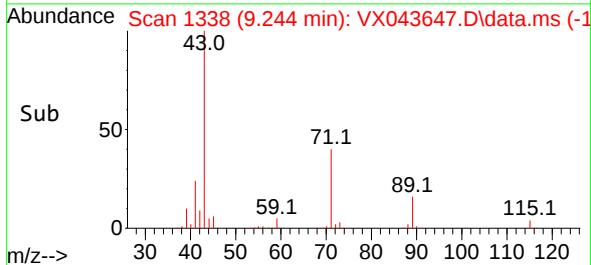
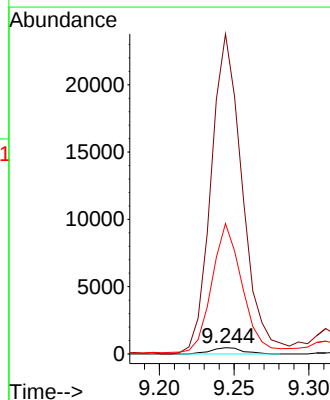
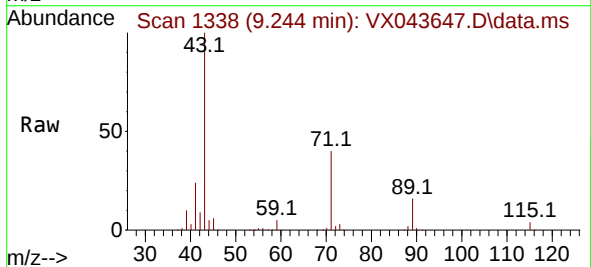
Instrument :
 MSVOA_X
 ClientSampleId :

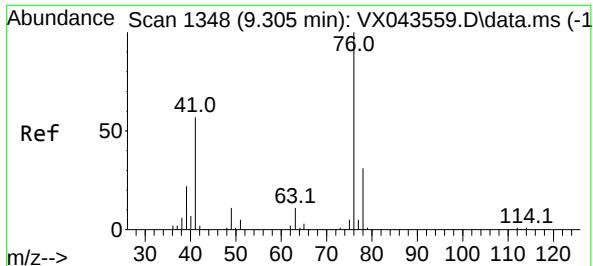
Tgt Ion: 75 Resp: 31803
 Ion Ratio Lower Upper
 75 100
 77 0.3 24.8 37.2#
 39 25.5 37.7 56.5#



#56
 Ethyl methacrylate
 Concen: 0.315 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX043647.D
 Acq: 31 Oct 2024 13:40

Tgt Ion: 69 Resp: 679
 Ion Ratio Lower Upper
 69 100
 41 5108.7 53.8 80.8#
 39 2016.8 29.9 44.9#

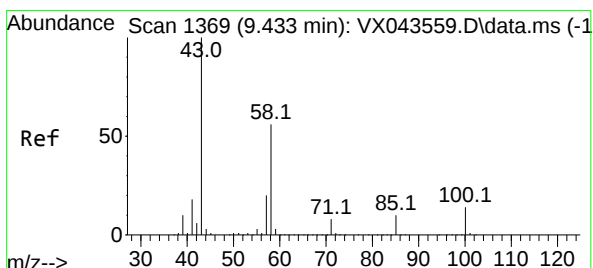
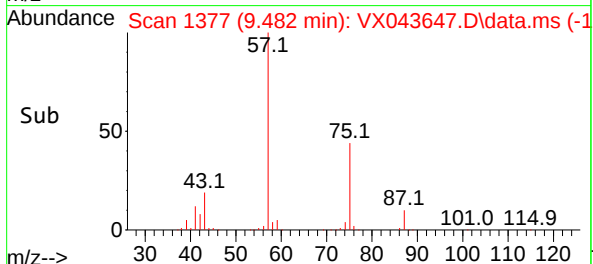
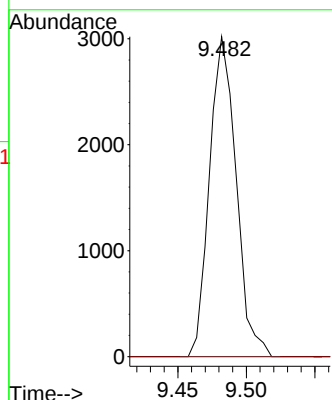
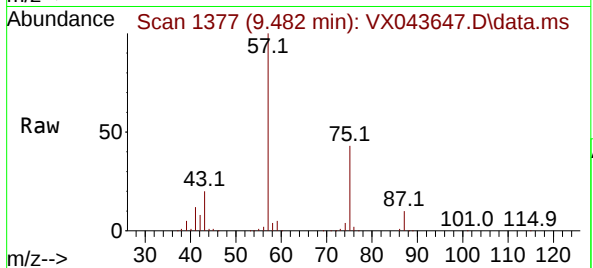




#57
1,3-Dichloropropane
Concen: 1.854 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

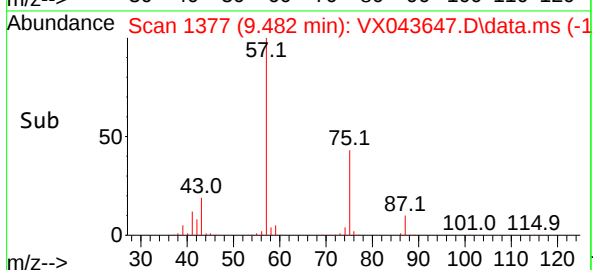
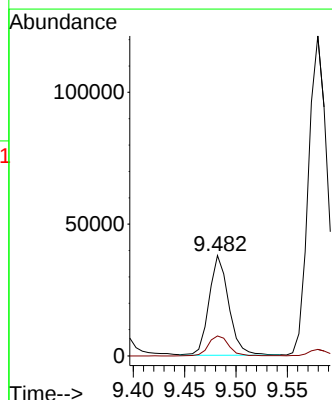
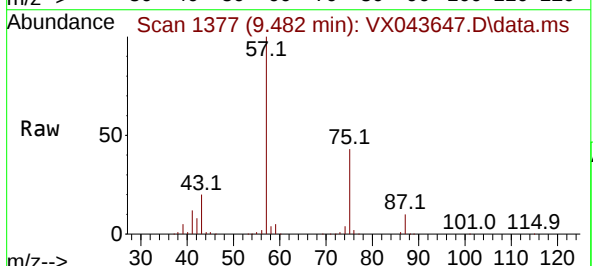
Instrument :
MSVOA_X
ClientSampleId :

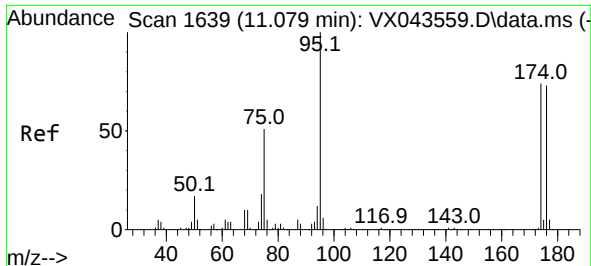
Tgt Ion: 76 Resp: 4087
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 34.697 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Tgt Ion: 43 Resp: 50755
Ion Ratio Lower Upper
43 100
58 21.3 27.5 82.5#





#62

4-Bromofluorobenzene

Concen: 49.545 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

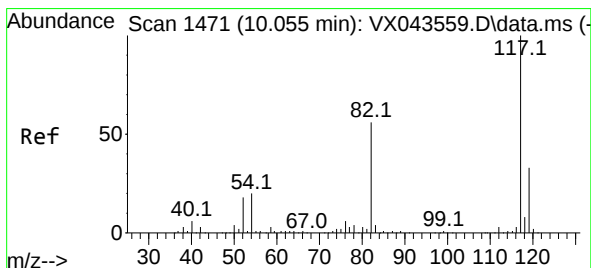
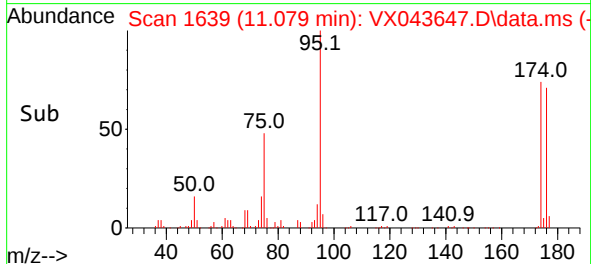
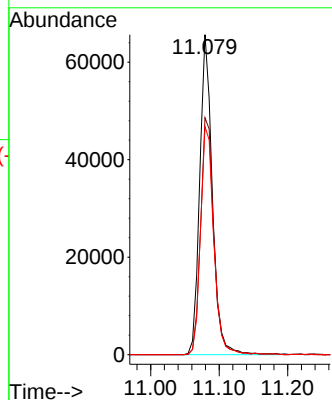
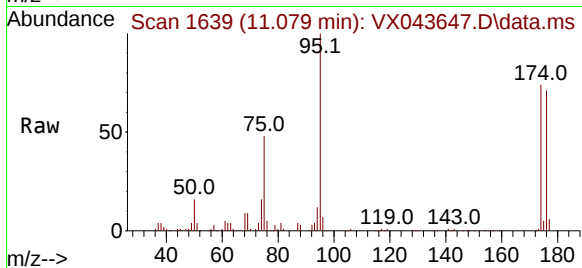
Tgt Ion: 95 Resp: 84354

Ion Ratio Lower Upper

95 100

174 77.3 0.0 146.6

176 74.5 0.0 139.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

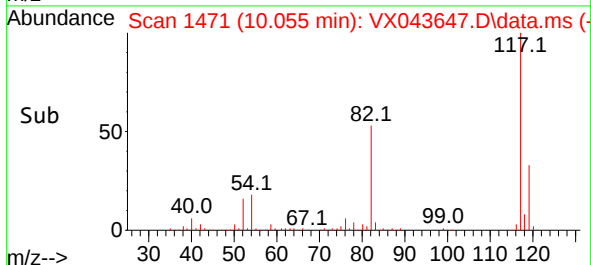
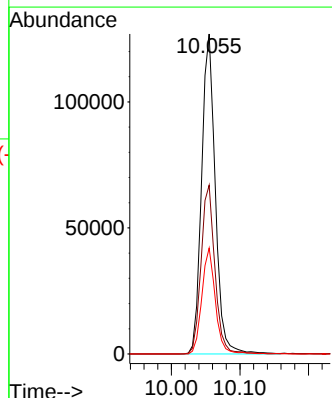
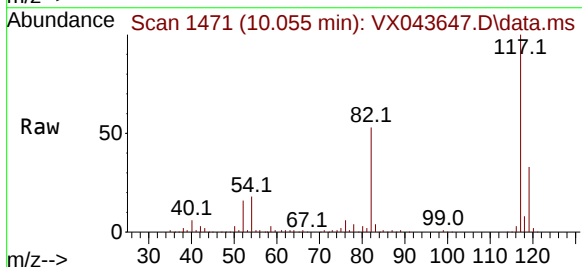
Tgt Ion: 117 Resp: 177357

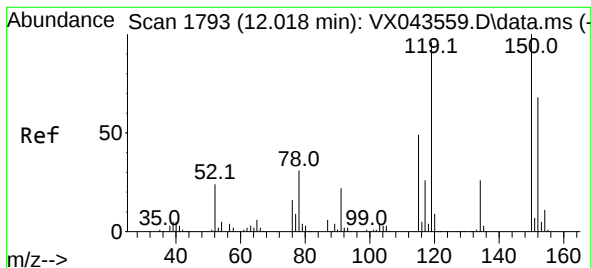
Ion Ratio Lower Upper

117 100

82 52.7 42.1 63.1

119 33.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

Instrument :

MSVOA_X

ClientSampleId :

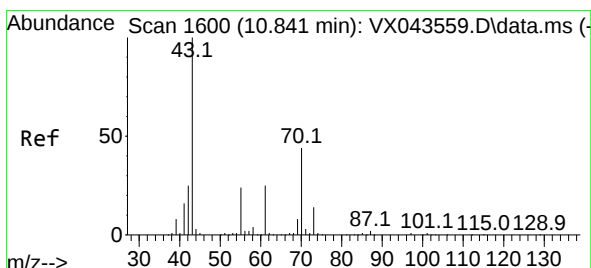
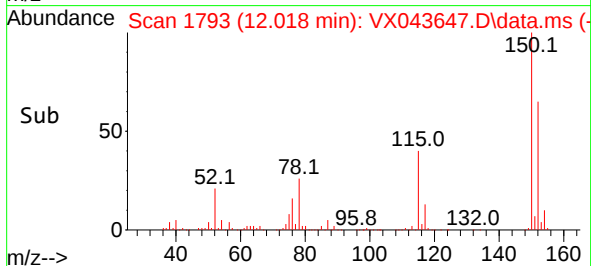
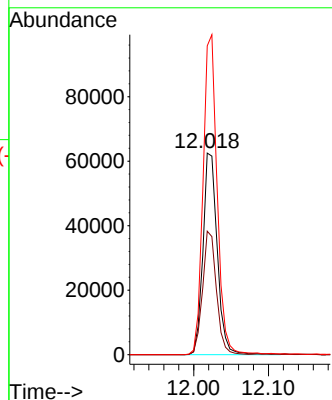
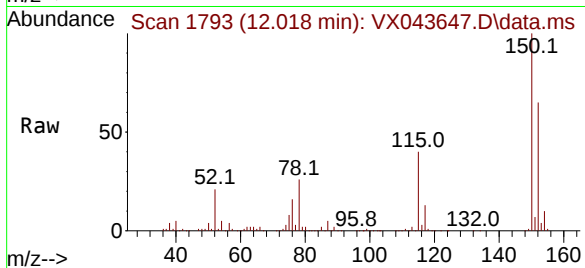
Tgt Ion:152 Resp: 83173

Ion Ratio Lower Upper

152 100

115 59.4 42.9 128.7

150 156.0 0.0 343.6



#74

N-ethyl acetate

Concen: 5.301 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX043647.D

Acq: 31 Oct 2024 13:40

Tgt Ion: 43 Resp: 15215

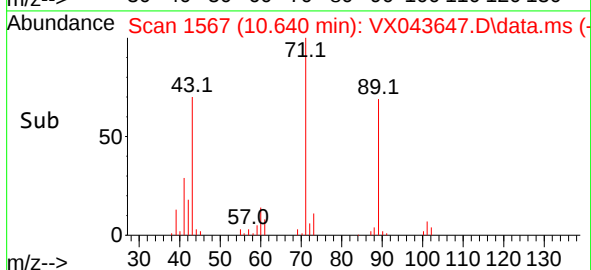
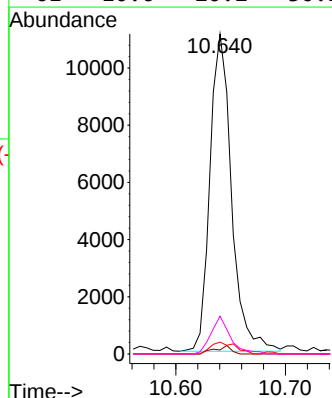
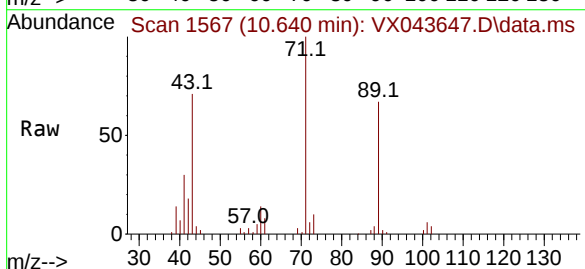
Ion Ratio Lower Upper

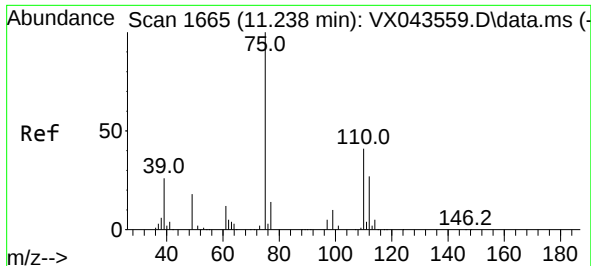
43 100

70 1.9 34.6 52.0#

55 4.3 19.6 29.4#

61 10.6 20.2 30.2#

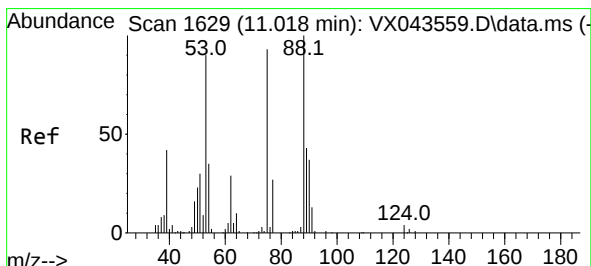
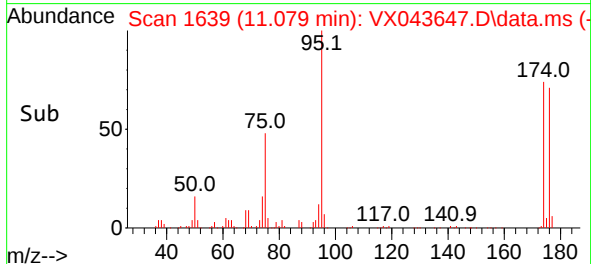
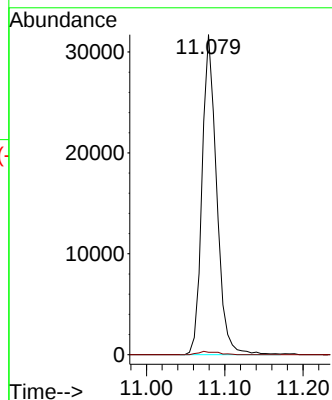
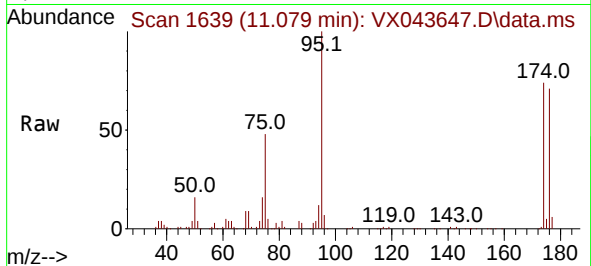




#76
1,2,3-Trichloropropane
Concen: 23.093 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 41068
Ion Ratio Lower Upper
75 100
77 1.4 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.530 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043647.D
Acq: 31 Oct 2024 13:40

Tgt Ion: 75 Resp: 41068
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#

