

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101424\
 Data File : VX043383.D
 Acq On : 14 Oct 2024 16:03
 Operator : JC/MD
 Sample : P4402-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 01:48:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

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

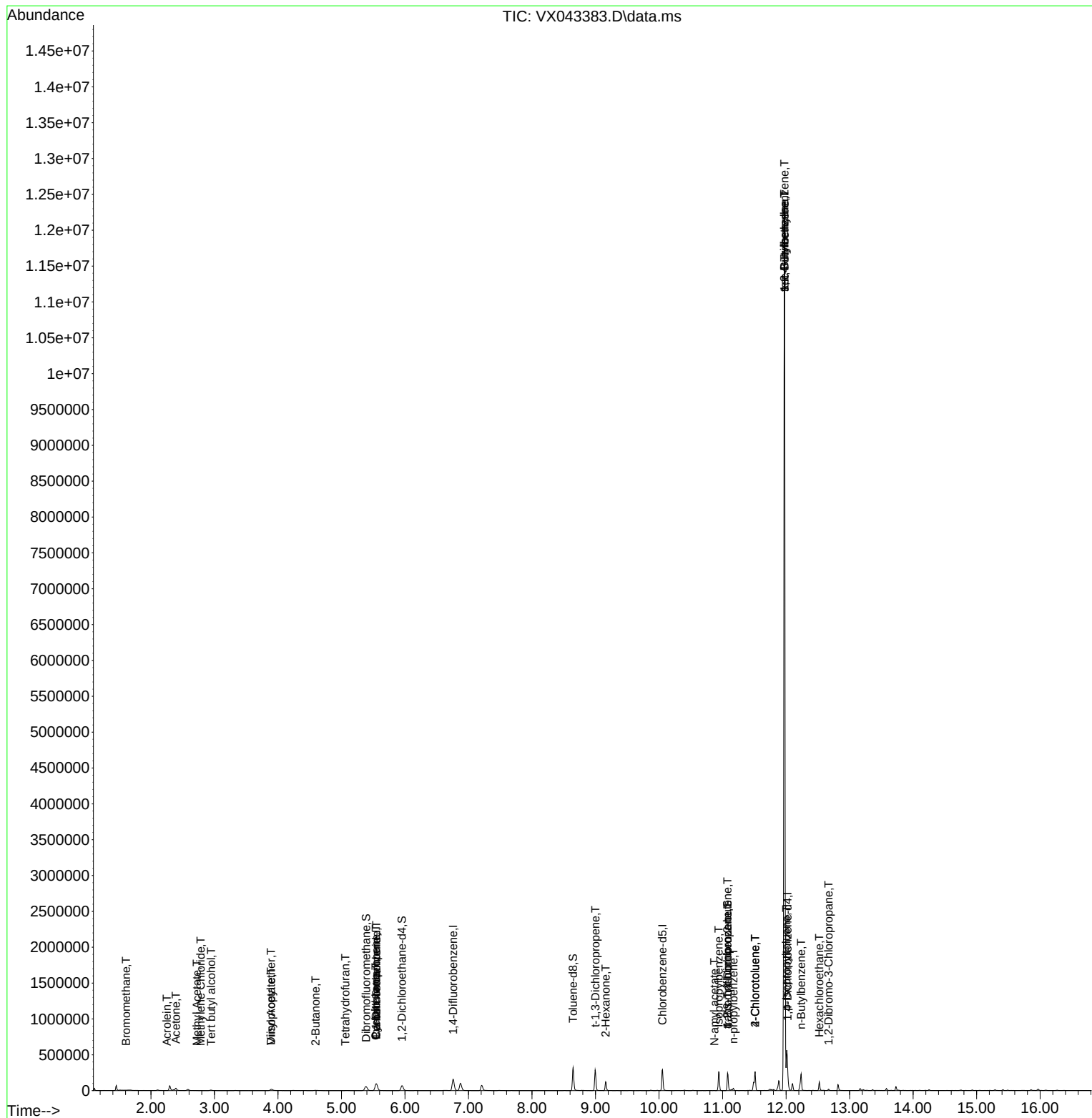
Internal Standards						
1) Pentafluorobenzene	5.550	168	87573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160523	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71982	50.330	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.660%	
35) Dibromofluoromethane	5.385	113	51603	46.614	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.220%	
50) Toluene-d8	8.647	98	188064	49.021	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.040%	
62) 4-Bromofluorobenzene	11.079	95	68461	49.121	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	89	0.207	ug/l #	41
11) Tert butyl alcohol	2.947	59	4685	17.214	ug/l #	74
13) Acrolein	2.252	56	136	0.529	ug/l	92
16) Acetone	2.392	43	35429	59.319	ug/l #	82
18) Methyl Acetate	2.721	43	451	0.301	ug/l #	51
20) Methylene Chloride	2.782	84	286	0.260	ug/l #	82
22) Diisopropyl ether	3.891	45	1342	0.417	ug/l #	1
23) Vinyl Acetate	3.891	43	3919	7.431	ug/l #	71
25) 2-Butanone	4.593	43	5428	6.628	ug/l	96
29) Tetrahydrofuran	5.062	42	217	0.416	ug/l #	31
31) Cyclohexane	5.538	56	2138	1.385	ug/l #	29
36) 1,1-Dichloropropene	5.544	75	7456	5.331	ug/l #	50
38) Carbon Tetrachloride	5.550	117	9690	5.853	ug/l #	16
53) t-1,3-Dichloropropene	9.000	75	447	0.274	ug/l #	43
59) 2-Hexanone	9.159	43	8016	6.292	ug/l	86
73) Isopropylbenzene	10.939	105	9245	2.242	ug/l #	58
74) N-amyl acetate	10.872	43	417	0.213	ug/l #	70
76) 1,2,3-Trichloropropane	11.079	75	36715	31.215	ug/l #	32
78) n-propylbenzene	11.171	91	2561	0.566	ug/l #	53
79) 2-Chlorotoluene	11.512	91	24288	8.347	ug/l #	42
81) trans-1,4-Dichloro-2-b...	11.079	75	36715	80.898	ug/l #	8
82) 4-Chlorotoluene	11.512	91	24288	7.328	ug/l #	47
83) tert-Butylbenzene	11.975	119	75256	21.479	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.975	105	156594	45.764	ug/l #	48
85) sec-Butylbenzene	11.975	105	156594	37.702	ug/l #	76
86) p-Isopropyltoluene	12.006	119	209845	60.557	ug/l	92
89) n-Butylbenzene	12.238	91	31615	10.898	ug/l #	72
90) Hexachloroethane	12.524	117	992	1.526	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	12.670	75	117	0.357	ug/l #	5

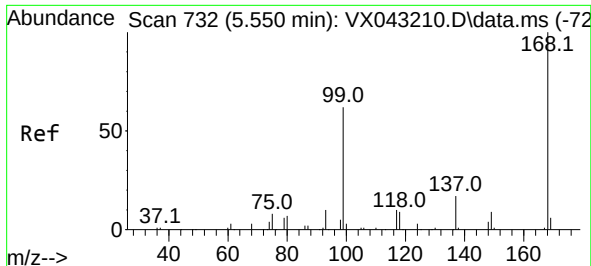
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
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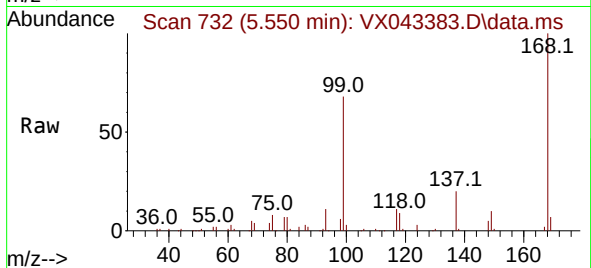


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

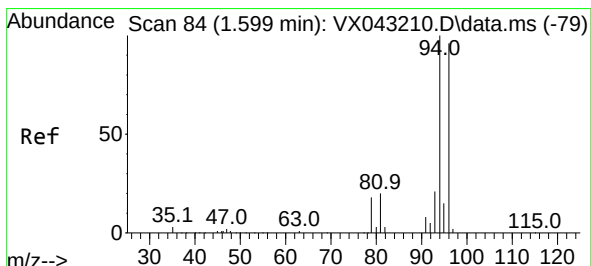
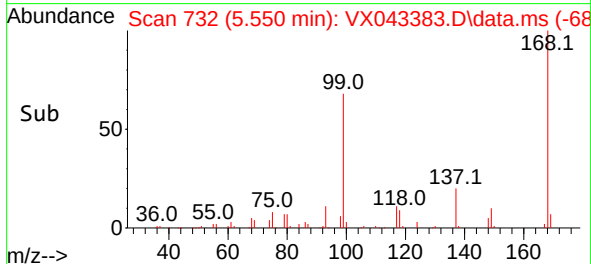
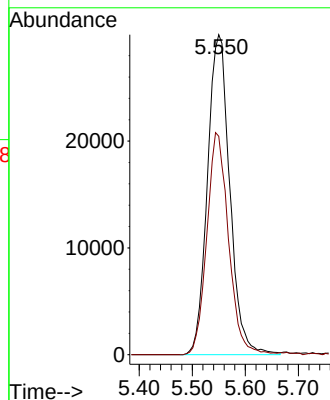
Instrument :

MSVOA_X

ClientSampleId :

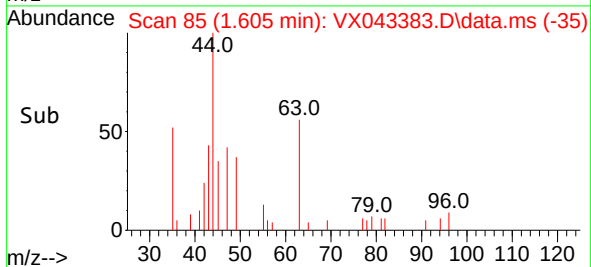
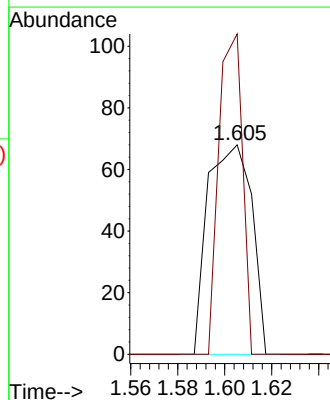
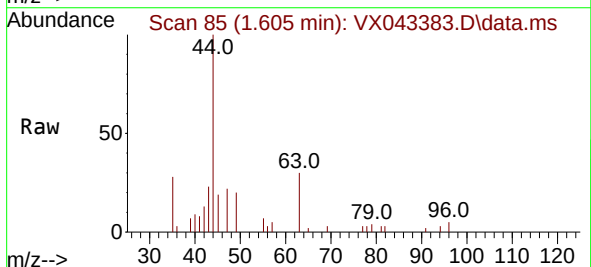


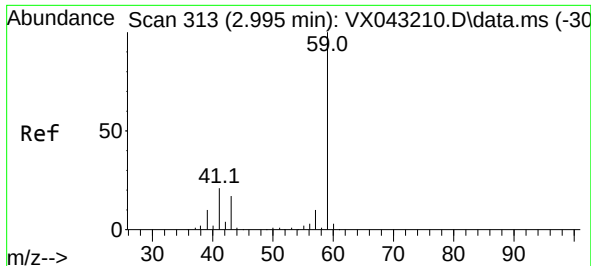
Tgt Ion:168 Resp: 87573
Ion Ratio Lower Upper
168 100
99 68.3 49.7 74.5



#5
Bromomethane
Concen: 0.207 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 152.9 76.6 115.0#

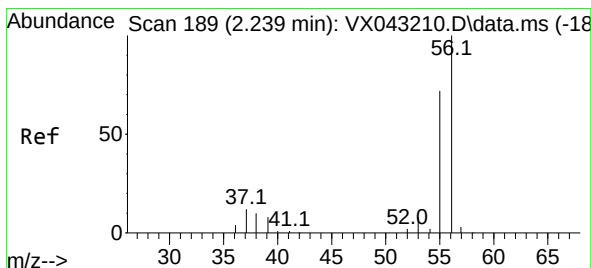
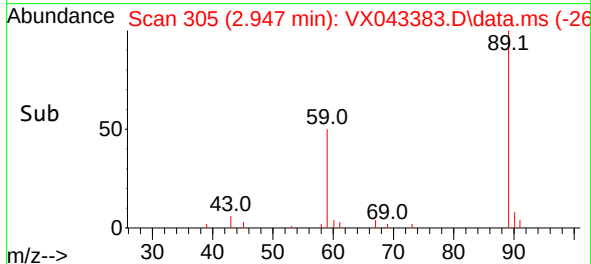
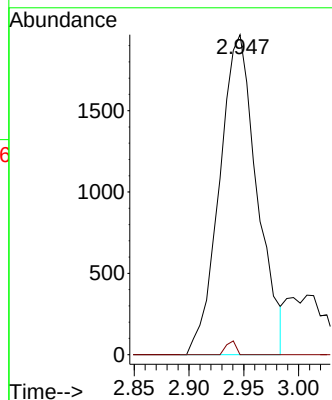
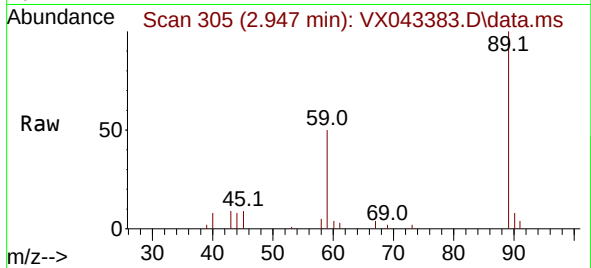




#11
Tert butyl alcohol
Concen: 17.214 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

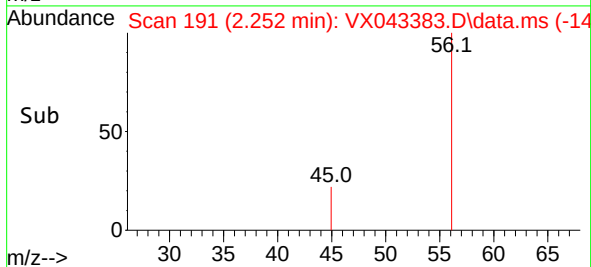
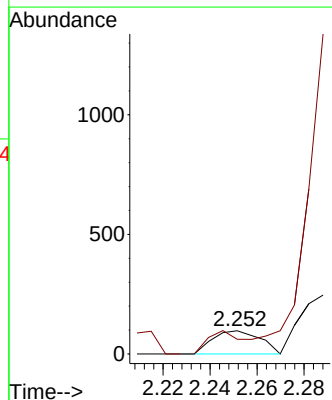
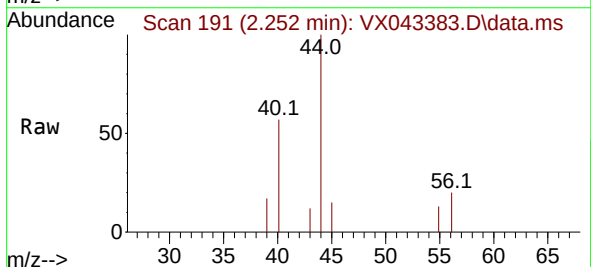
Instrument :
MSVOA_X
ClientSampleId :

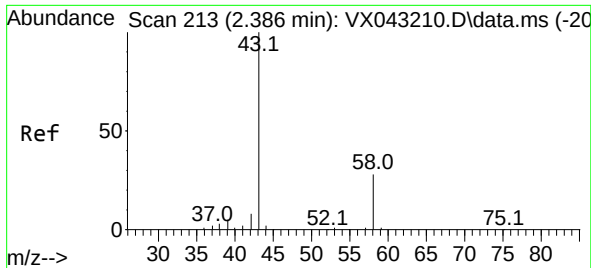
Tgt Ion: 59 Resp: 4685
Ion Ratio Lower Upper
59 100
57 1.1 8.6 13.0#



#13
Acrolein
Concen: 0.529 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 77.9 57.4 86.0





#16

Acetone

Concen: 59.319 ug/l

RT: 2.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX043383.D

Acq: 14 Oct 2024 16:03

Instrument :

MSVOA_X

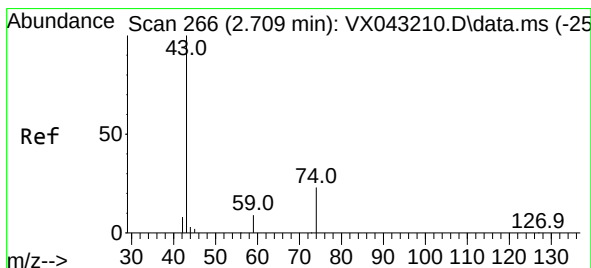
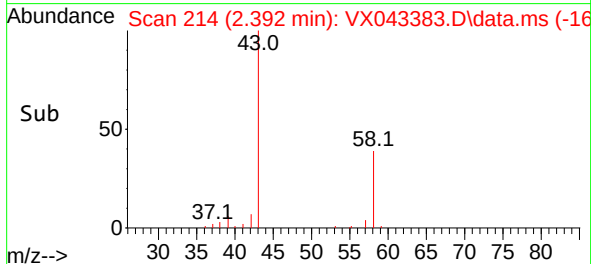
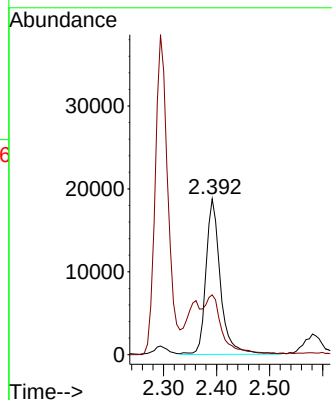
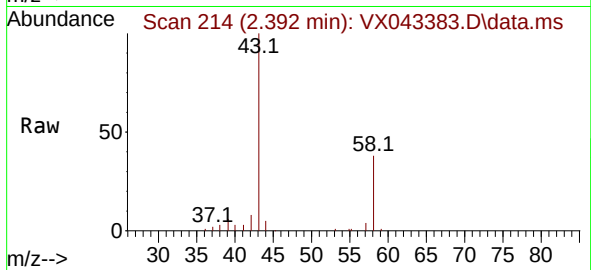
ClientSampleId :

Tgt Ion: 43 Resp: 35429

Ion Ratio Lower Upper

43 100

58 37.6 22.6 33.8#



#18

Methyl Acetate

Concen: 0.301 ug/l

RT: 2.721 min Scan# 268

Delta R.T. 0.012 min

Lab File: VX043383.D

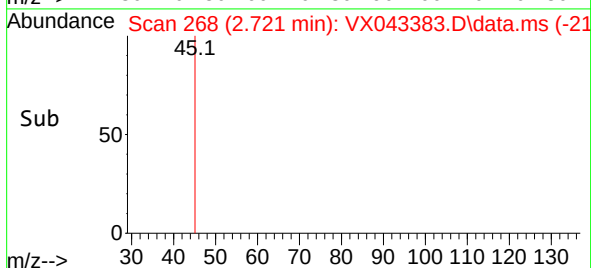
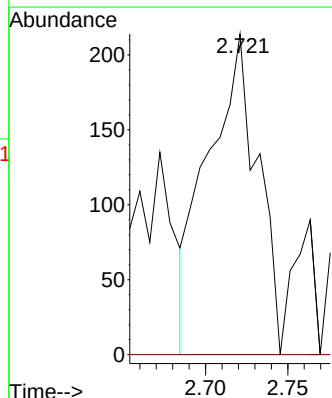
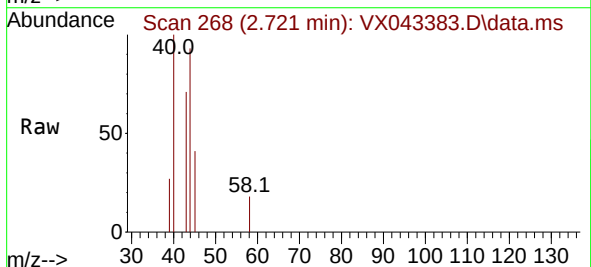
Acq: 14 Oct 2024 16:03

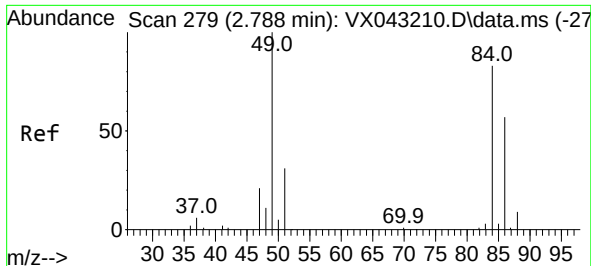
Tgt Ion: 43 Resp: 451

Ion Ratio Lower Upper

43 100

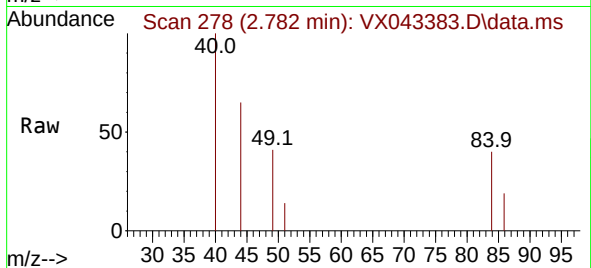
74 0.0 19.1 28.7#



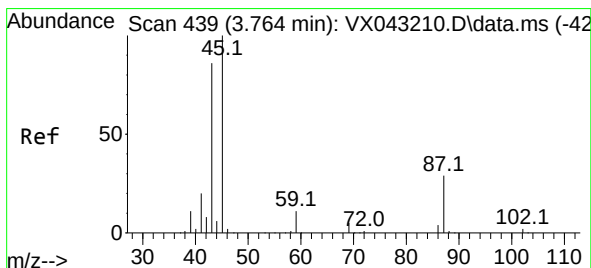
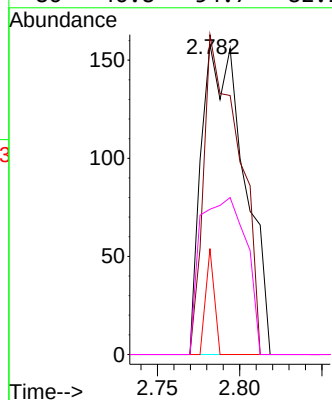


#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

Instrument :
MSVOA_X
ClientSampleId :

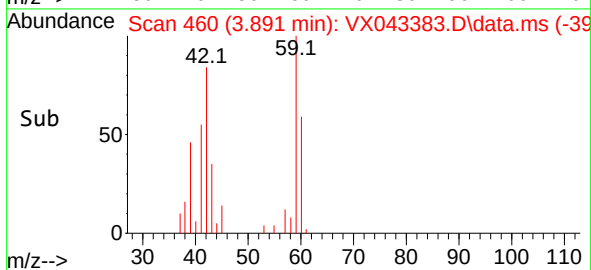
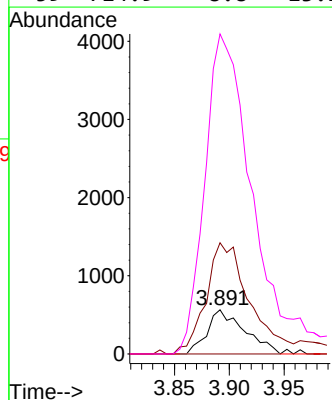
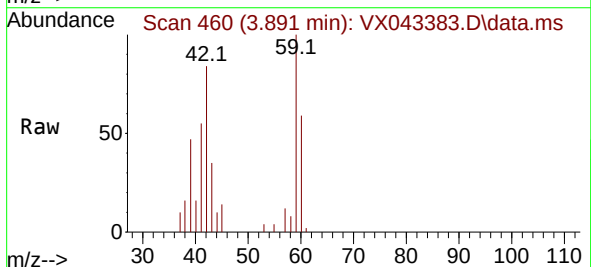


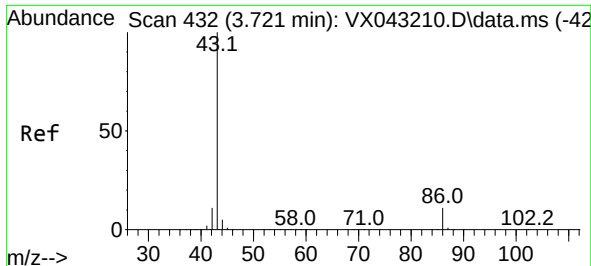
Tgt Ion: 84	Resp: 286
Ion Ratio	Lower Upper
84 100	
49 103.2	96.7 145.1
51 34.2	30.4 45.6
86 46.8	54.7 82.1#



#22
Diisopropyl ether
Concen: 0.417 ug/l
RT: 3.891 min Scan# 460
Delta R.T. 0.127 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

Tgt Ion: 45	Resp: 1342
Ion Ratio	Lower Upper
45 100	
43 236.3	68.5 102.7#
87 0.0	23.0 34.4#
59 714.9	8.8 13.2#

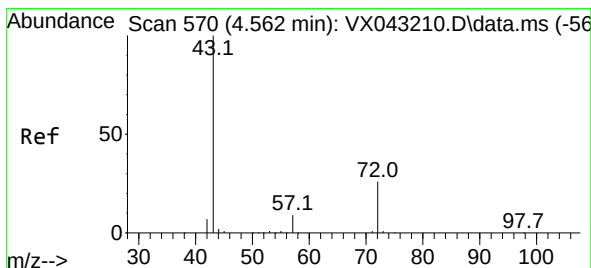
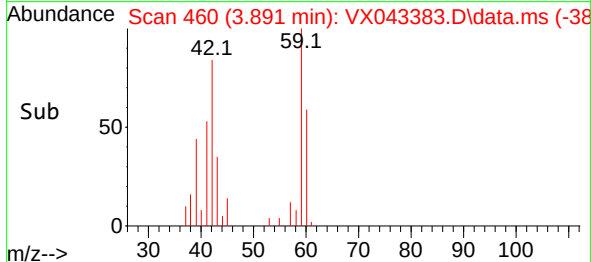
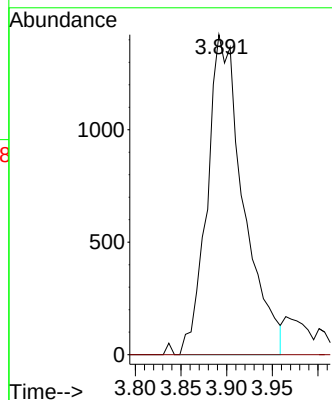
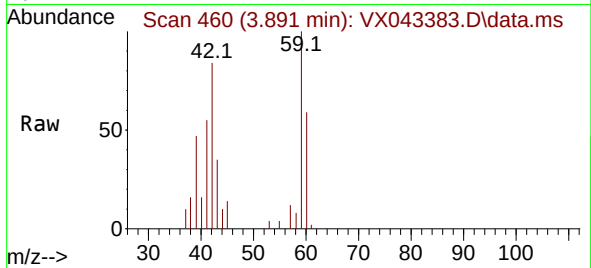




#23
 Vinyl Acetate
 Concen: 7.431 ug/l
 RT: 3.891 min Scan# 41
 Delta R.T. 0.170 min
 Lab File: VX043383.D
 Acq: 14 Oct 2024 16:03

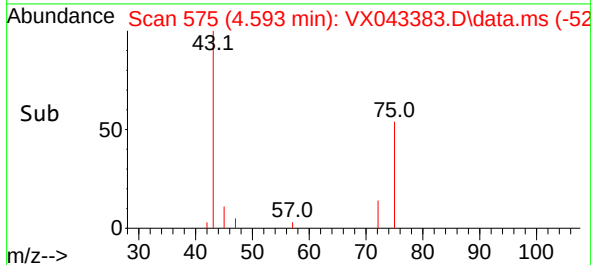
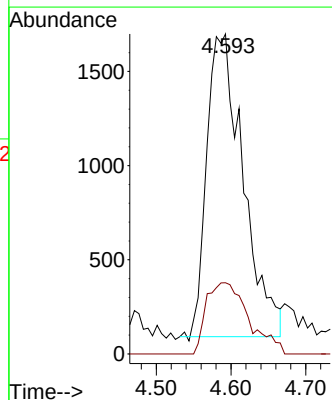
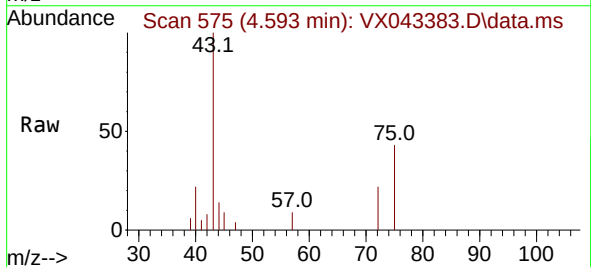
Instrument :
 MSVOA_X
 ClientSampleId :

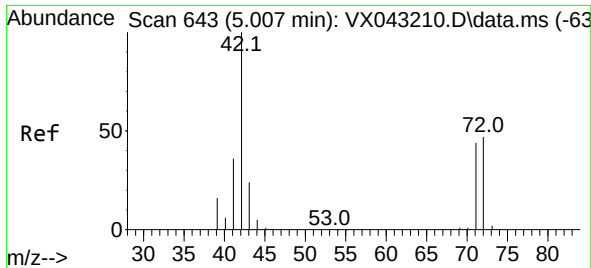
Tgt Ion: 43 Resp: 3919
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 6.628 ug/l
 RT: 4.593 min Scan# 575
 Delta R.T. 0.031 min
 Lab File: VX043383.D
 Acq: 14 Oct 2024 16:03

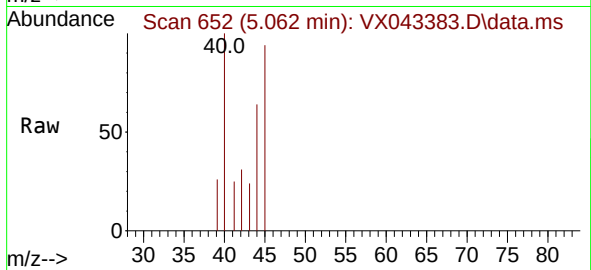
Tgt Ion: 43 Resp: 5428
 Ion Ratio Lower Upper
 43 100
 72 23.5 20.6 31.0



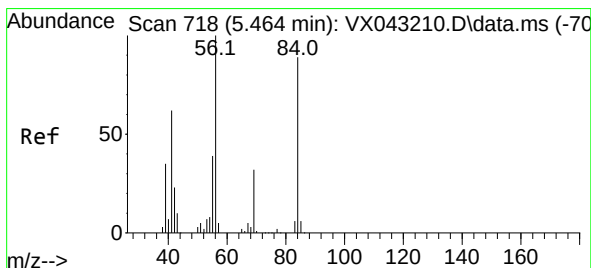
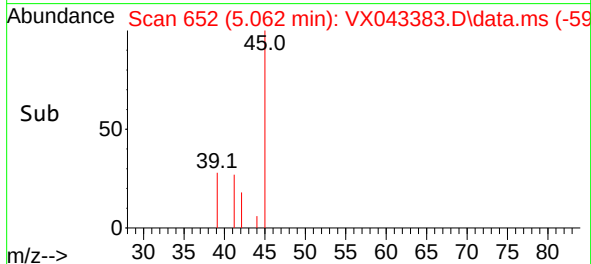
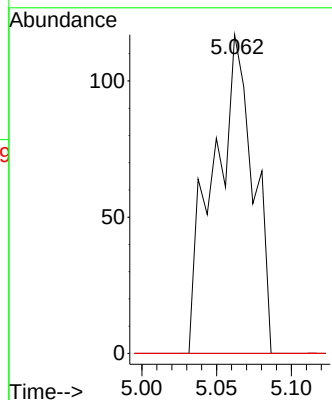


#29
Tetrahydrofuran
Concen: 0.416 ug/l
RT: 5.062 min Scan# 61
Delta R.T. 0.055 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

Instrument :
MSVOA_X
ClientSampleId :

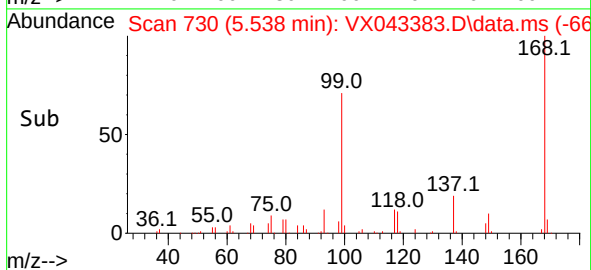
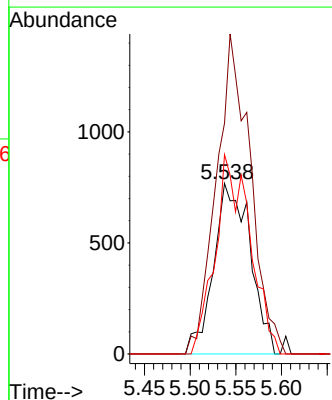
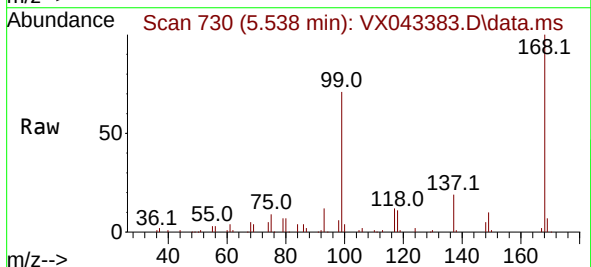


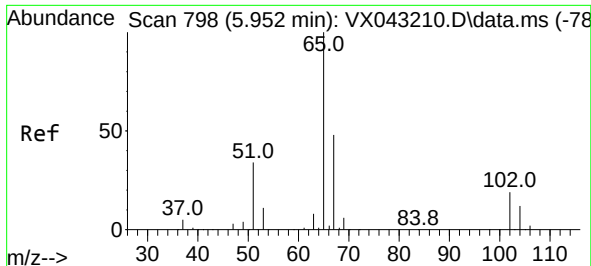
Tgt Ion: 42 Resp: 217
Ion Ratio Lower Upper
42 100
72 0.0 37.7 56.5#
71 0.0 34.6 52.0#



#31
Cyclohexane
Concen: 1.385 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

Tgt Ion: 56 Resp: 2138
Ion Ratio Lower Upper
56 100
69 135.3 25.8 38.6#
84 116.9 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 50.330 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043383.D

Acq: 14 Oct 2024 16:03

Instrument :

MSVOA_X

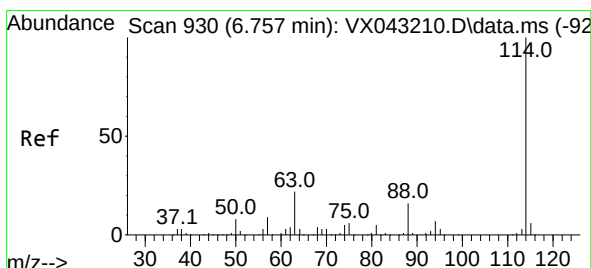
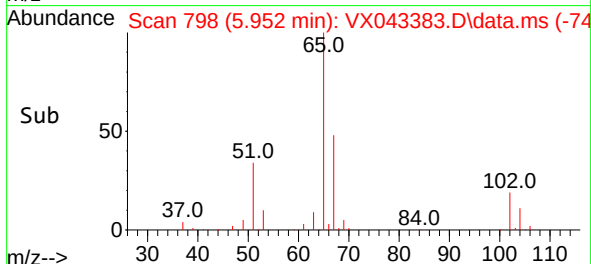
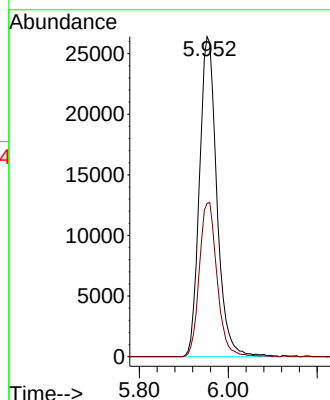
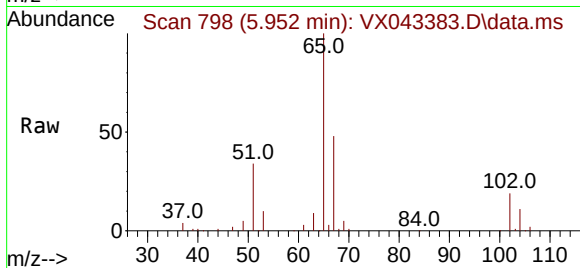
ClientSampleId :

Tgt Ion: 65 Resp: 71982

Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043383.D

Acq: 14 Oct 2024 16:03

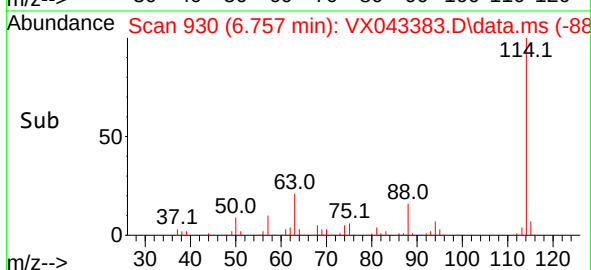
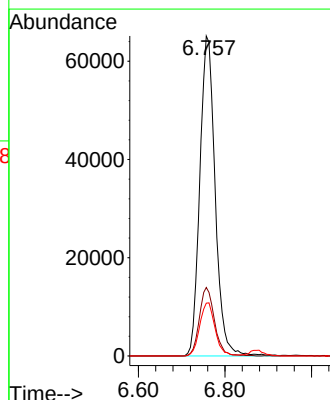
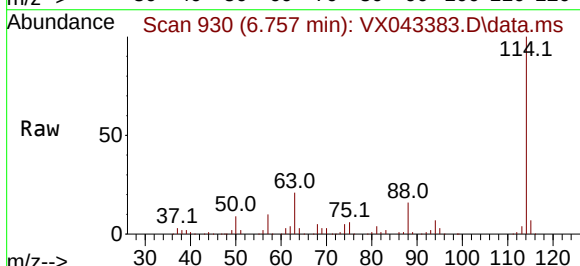
Tgt Ion: 114 Resp: 160523

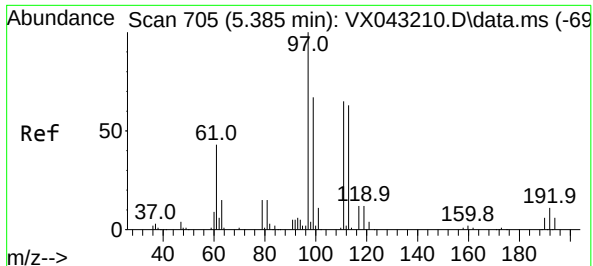
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.0

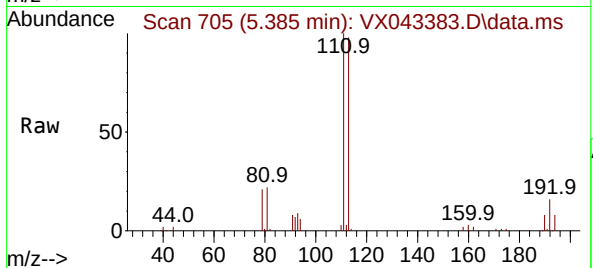
88 16.5 0.0 33.0



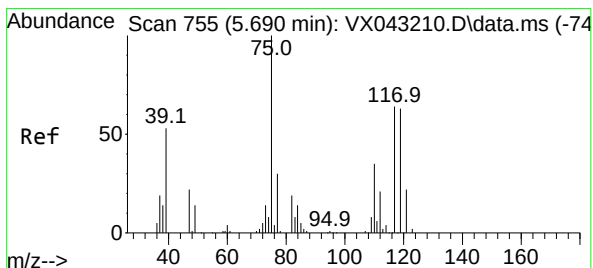
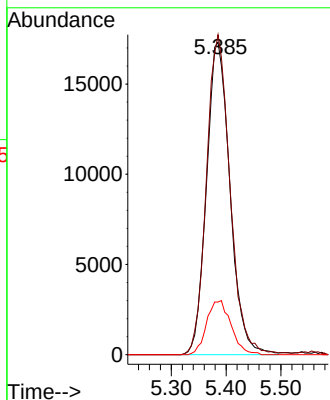
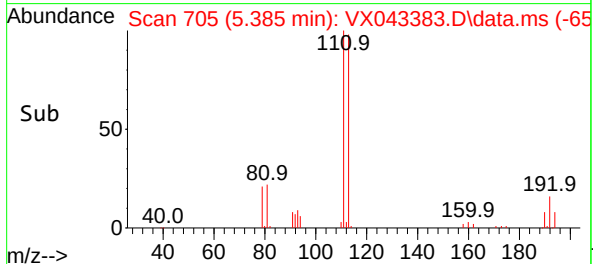


#35
Dibromofluoromethane
Concen: 46.614 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

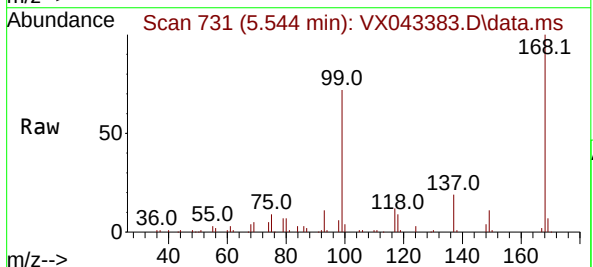
Instrument :
MSVOA_X
ClientSampleId :



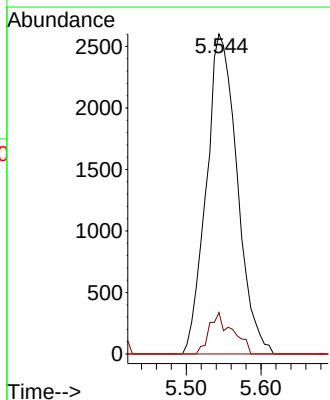
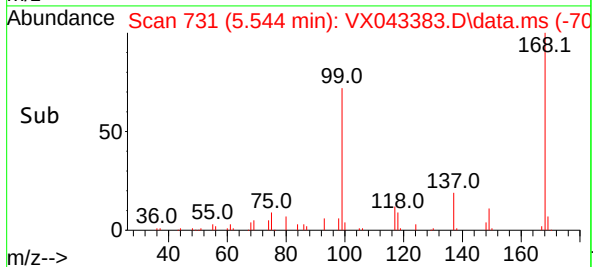
Tgt Ion:113 Resp: 51603
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.0
192 18.0 14.1 21.1

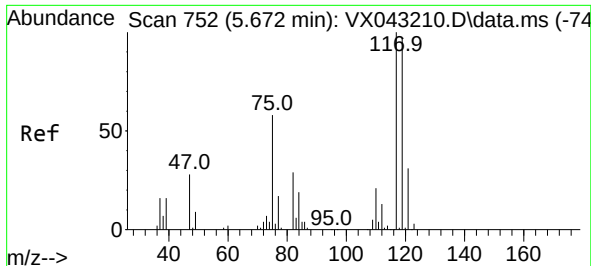


#36
1,1-Dichloropropene
Concen: 5.331 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03



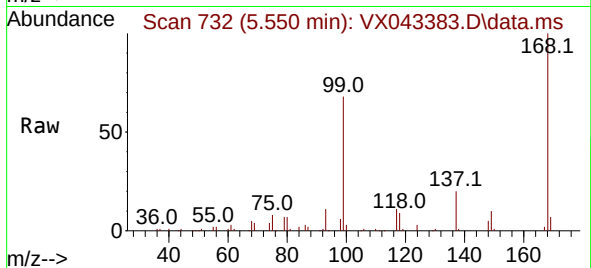
Tgt Ion: 75 Resp: 7456
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.3#
77 0.0 24.9 37.3#



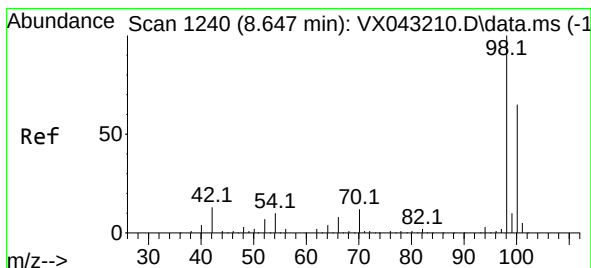
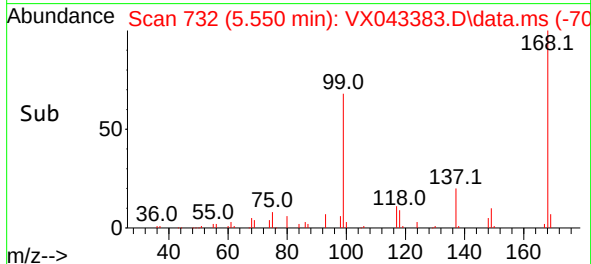
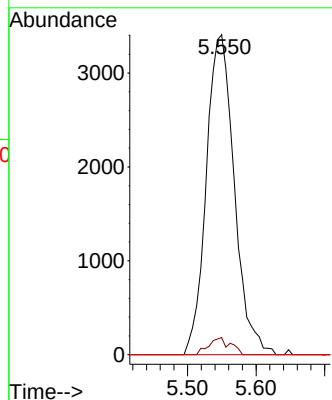


#38
Carbon Tetrachloride
Concen: 5.853 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

Instrument :
MSVOA_X
ClientSampleId :

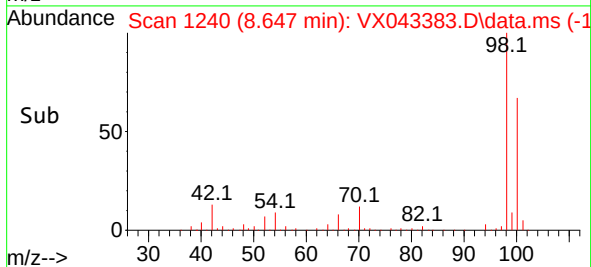
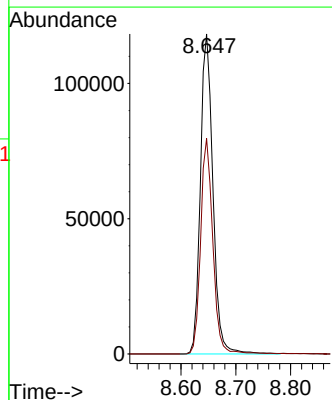
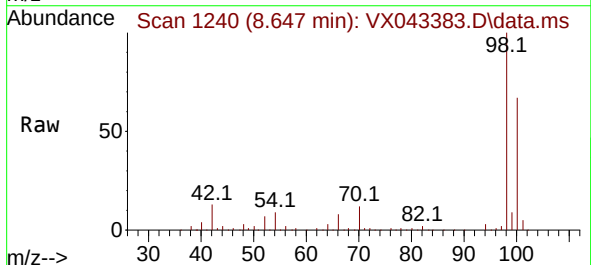


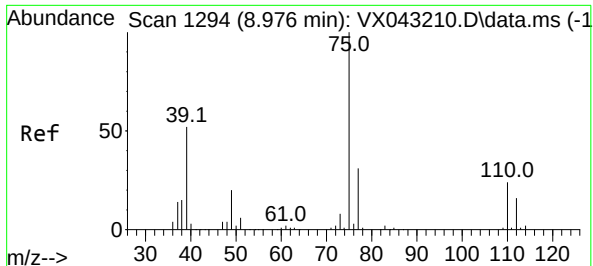
Tgt Ion:117 Resp: 9690
Ion Ratio Lower Upper
117 100
119 5.3 77.7 116.5#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 49.021 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

Tgt Ion: 98 Resp: 188064
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6





#53

t-1,3-Dichloropropene

Concen: 0.274 ug/l

RT: 9.000 min Scan# 11

Delta R.T. 0.024 min

Lab File: VX043383.D

Acq: 14 Oct 2024 16:03

Instrument :

MSVOA_X

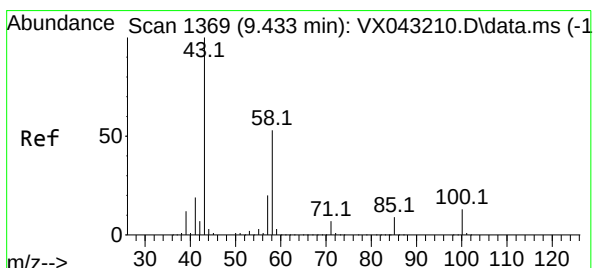
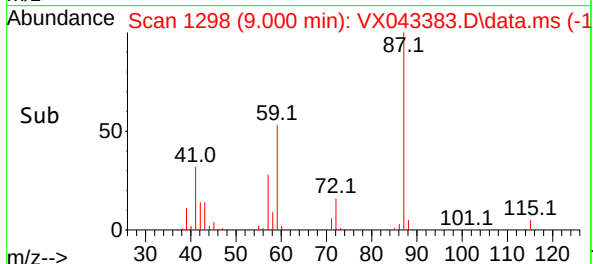
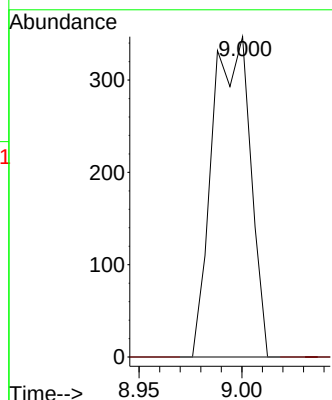
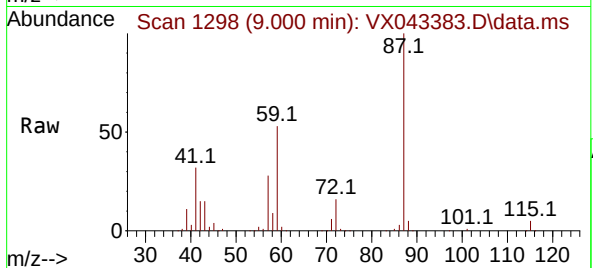
ClientSampleId :

Tgt Ion: 75 Resp: 447

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#59

2-Hexanone

Concen: 6.292 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. -0.274 min

Lab File: VX043383.D

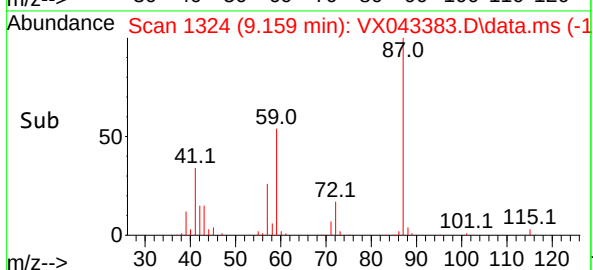
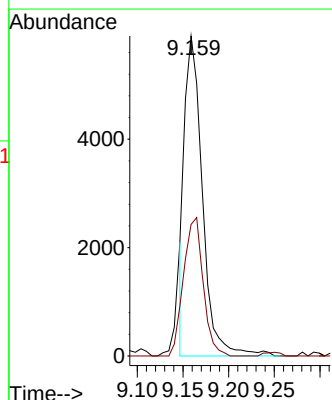
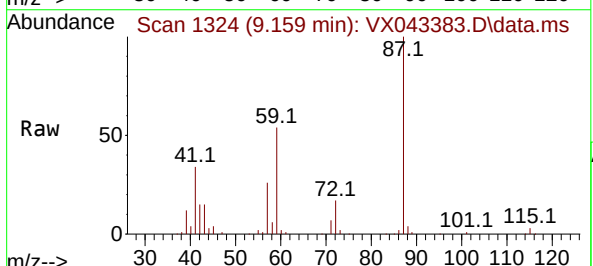
Acq: 14 Oct 2024 16:03

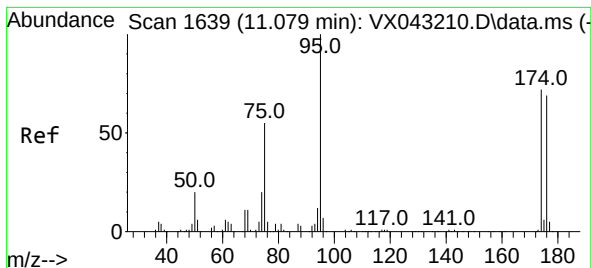
Tgt Ion: 43 Resp: 8016

Ion Ratio Lower Upper

43 100

58 42.5 26.1 78.3

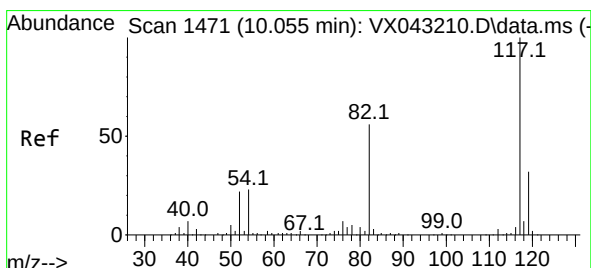
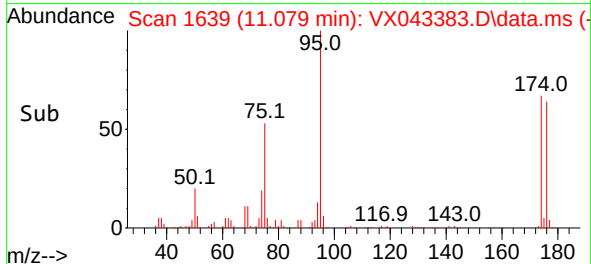
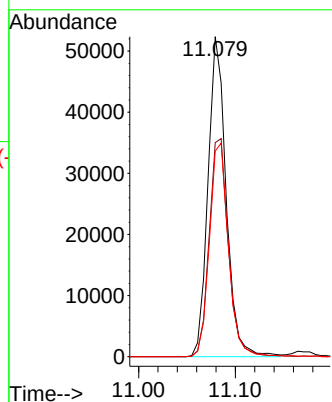
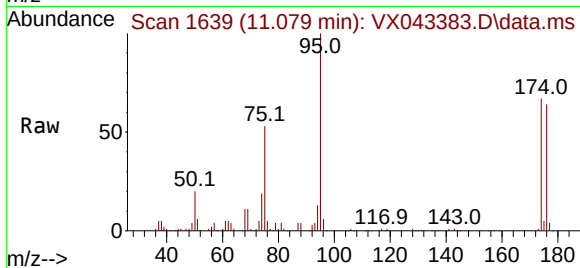




#62
4-Bromofluorobenzene
Concen: 49.121 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

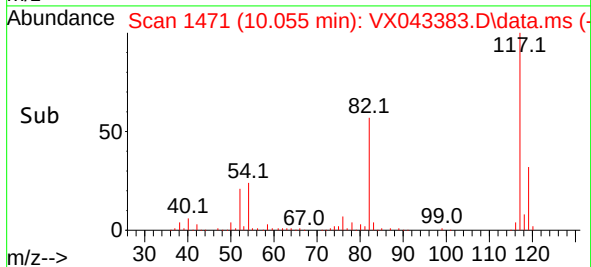
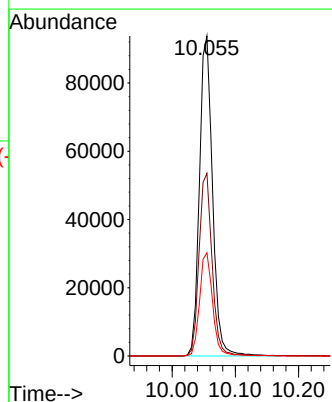
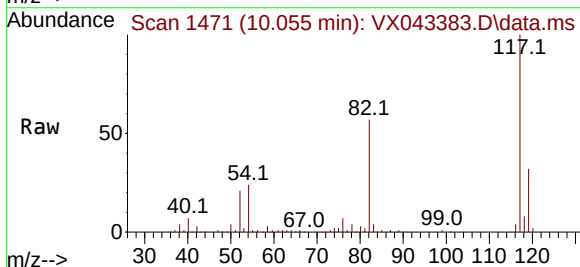
Instrument :
MSVOA_X
ClientSampleId :

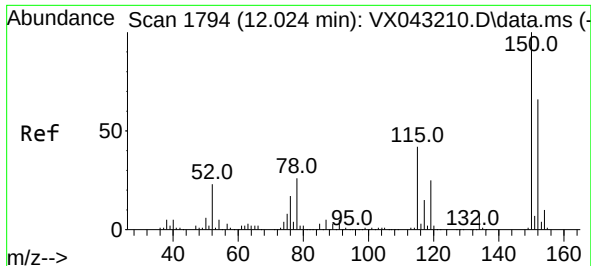
Tgt Ion: 95 Resp: 68461
Ion Ratio Lower Upper
95 100
174 71.9 0.0 145.0
176 70.0 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

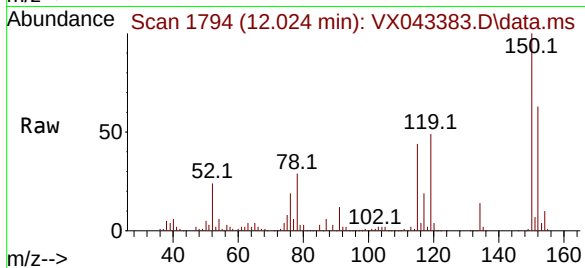
Tgt Ion: 117 Resp: 135008
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.6
119 32.2 25.3 37.9



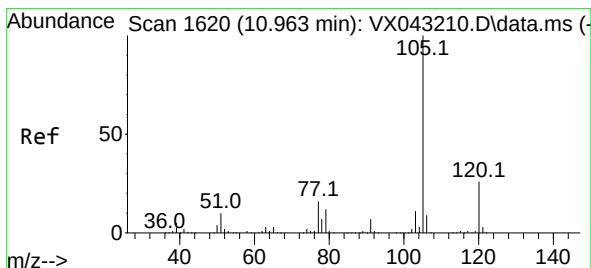
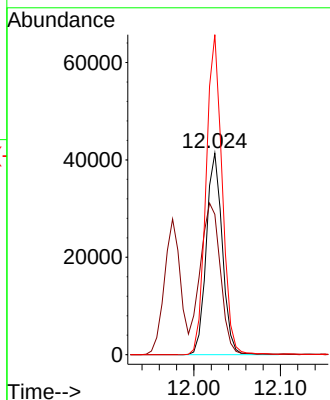
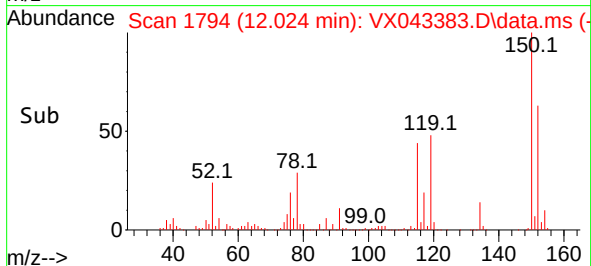


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX043383.D
 Acq: 14 Oct 2024 16:03

Instrument :
 MSVOA_X
 ClientSampleId :

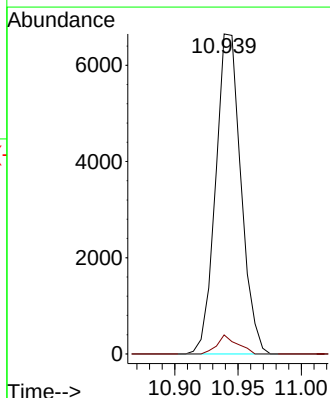
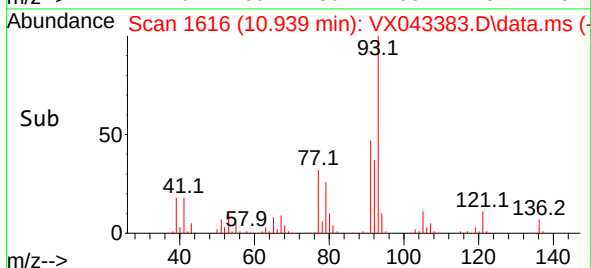
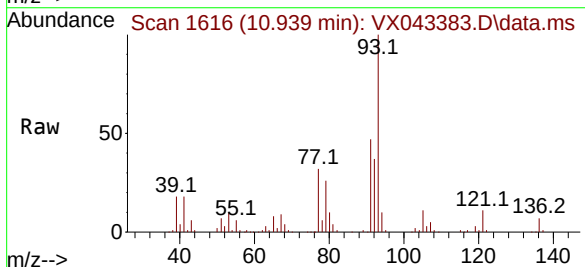


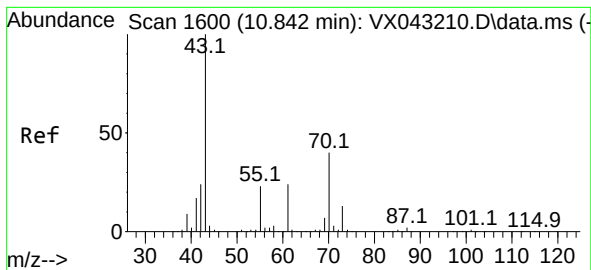
Tgt Ion:152 Resp: 53027
 Ion Ratio Lower Upper
 152 100
 115 94.9 44.1 132.3
 150 159.8 0.0 347.4



#73
 Isopropylbenzene
 Concen: 2.242 ug/l
 RT: 10.939 min Scan# 1616
 Delta R.T. -0.024 min
 Lab File: VX043383.D
 Acq: 14 Oct 2024 16:03

Tgt Ion:105 Resp: 9245
 Ion Ratio Lower Upper
 105 100
 120 4.7 12.9 38.7#





#74

N-amy1 acetate

Concen: 0.213 ug/l

RT: 10.872 min Scan# 1

Delta R.T. 0.030 min

Lab File: VX043383.D

Acq: 14 Oct 2024 16:03

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 417

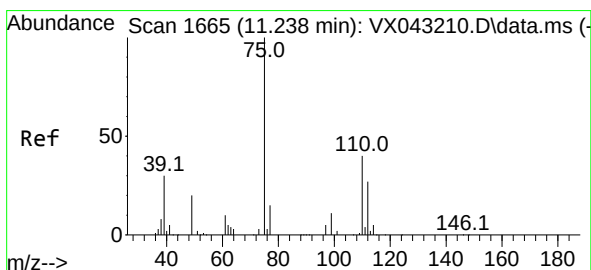
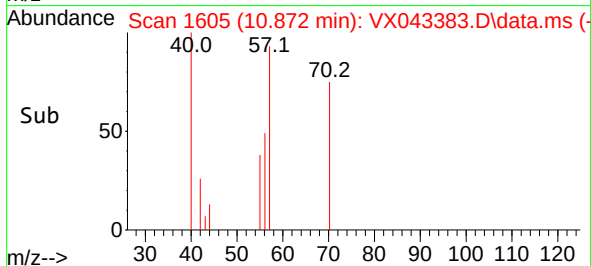
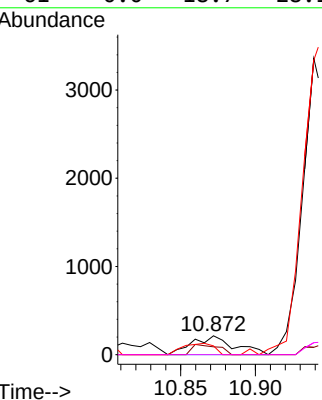
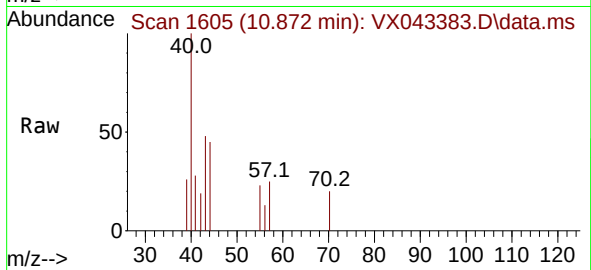
Ion Ratio Lower Upper

43 100

70 34.3 33.1 49.7

55 44.8 18.6 27.8#

61 0.0 18.7 28.1#



#76

1,2,3-Trichloropropane

Concen: 31.215 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043383.D

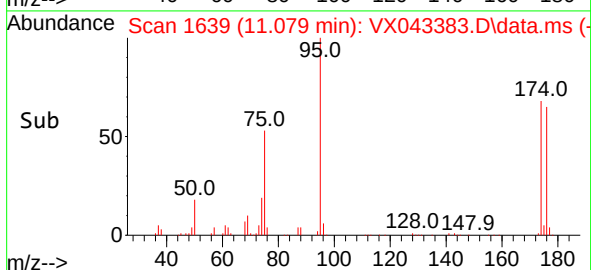
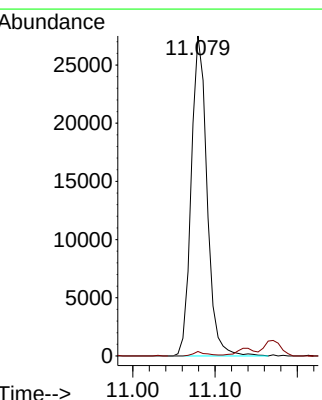
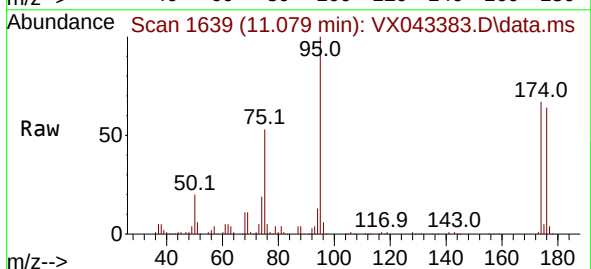
Acq: 14 Oct 2024 16:03

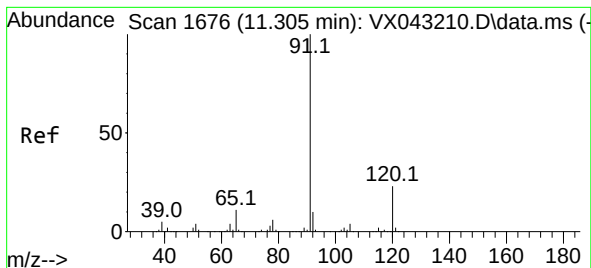
Tgt Ion: 75 Resp: 36715

Ion Ratio Lower Upper

75 100

77 0.0 22.0 66.0#





#78

n-propylbenzene

Concen: 0.566 ug/l

RT: 11.171 min Scan# 1710

Delta R.T. -0.134 min

Lab File: VX043383.D

Acq: 14 Oct 2024 16:03

Instrument :

MSVOA_X

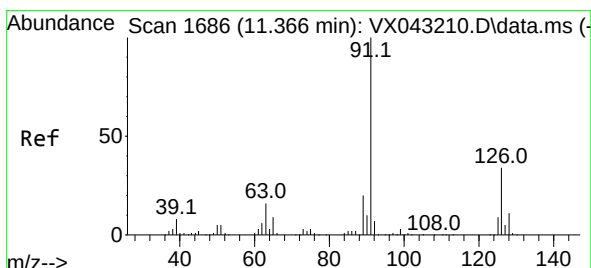
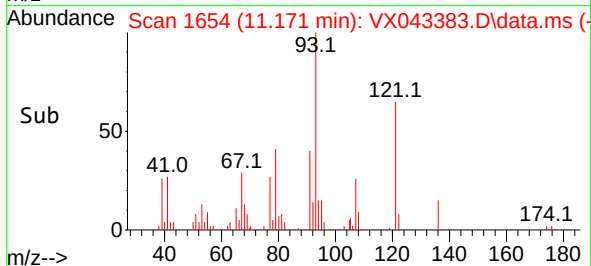
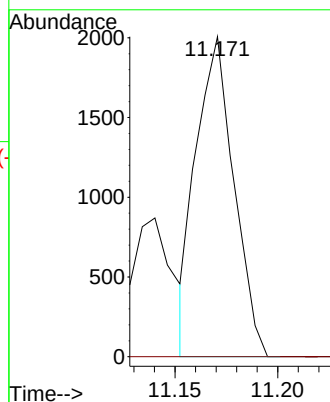
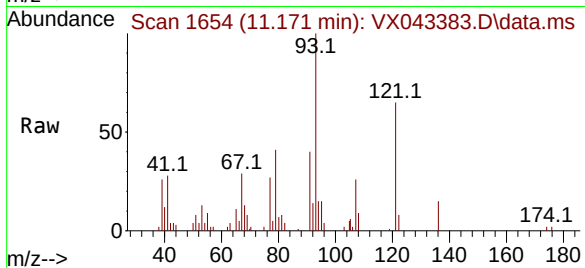
ClientSampleId :

Tgt Ion: 91 Resp: 2561

Ion Ratio Lower Upper

91 100

120 0.0 11.4 34.1#



#79

2-Chlorotoluene

Concen: 8.347 ug/l

RT: 11.512 min Scan# 1710

Delta R.T. 0.146 min

Lab File: VX043383.D

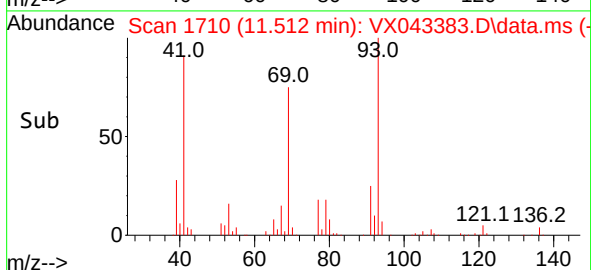
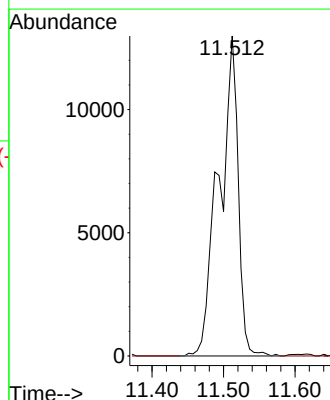
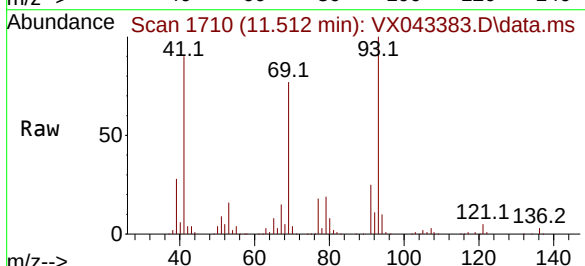
Acq: 14 Oct 2024 16:03

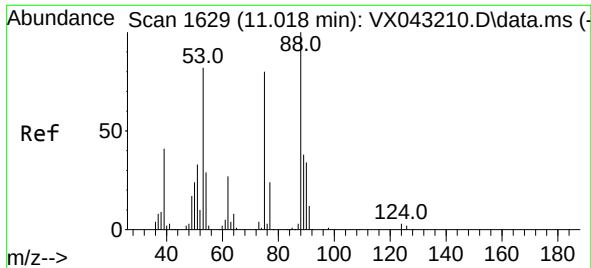
Tgt Ion: 91 Resp: 24288

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#

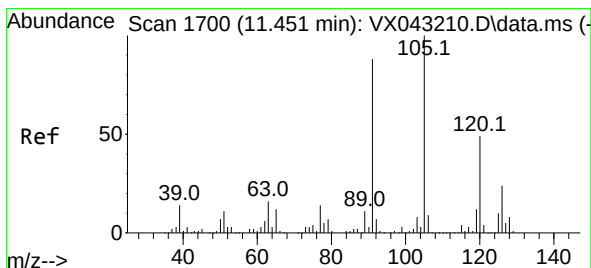
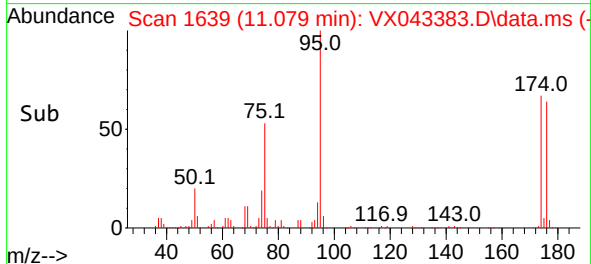
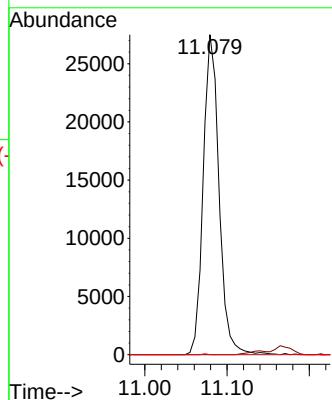
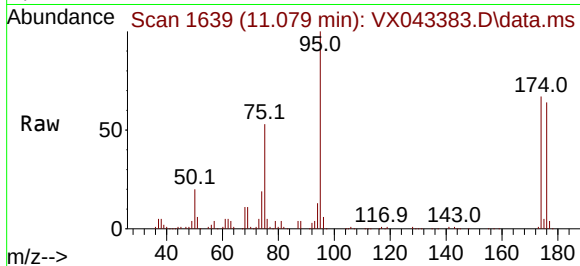




#81
trans-1,4-Dichloro-2-butene
Concen: 80.898 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

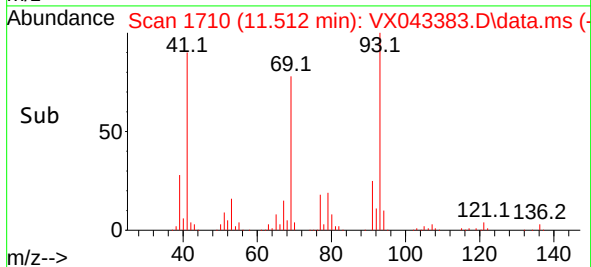
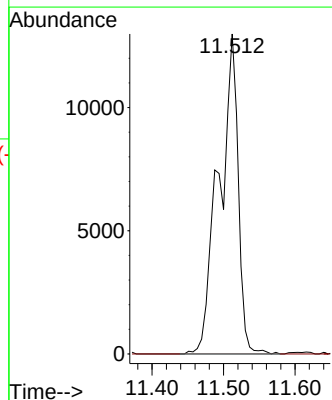
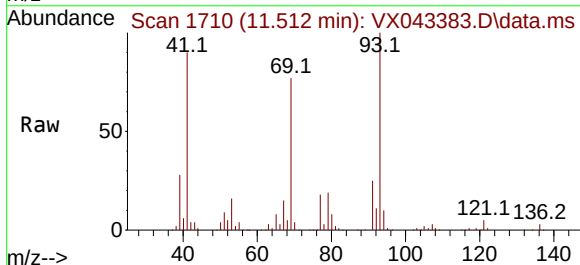
Instrument :
MSVOA_X
ClientSampleId :

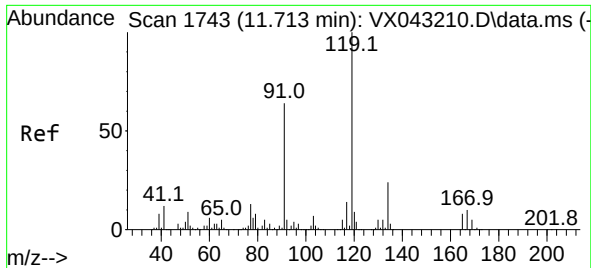
Tgt Ion: 75 Resp: 36715
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.1 38.6 58.0#



#82
4-Chlorotoluene
Concen: 7.328 ug/l
RT: 11.512 min Scan# 1710
Delta R.T. 0.061 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

Tgt Ion: 91 Resp: 24288
Ion Ratio Lower Upper
91 100
126 0.0 14.1 42.3#

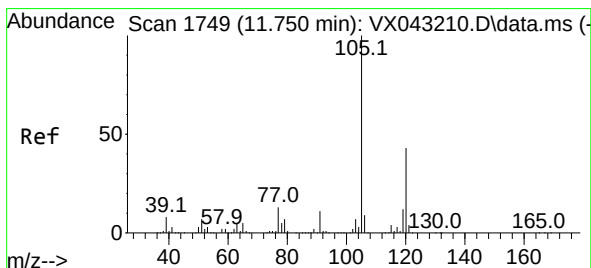
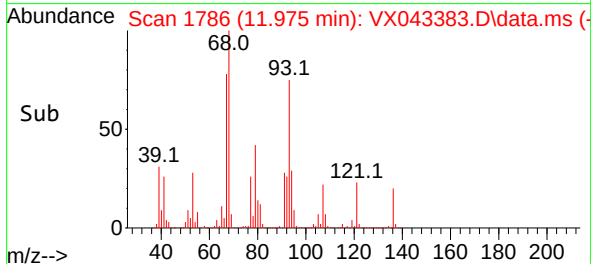
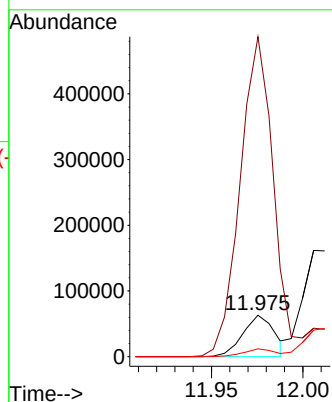
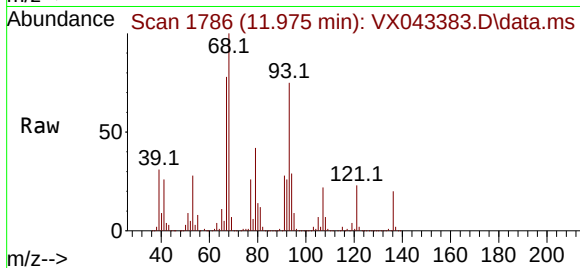




#83
tert-Butylbenzene
Concen: 21.479 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.262 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

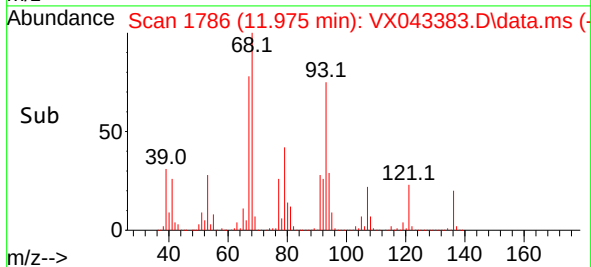
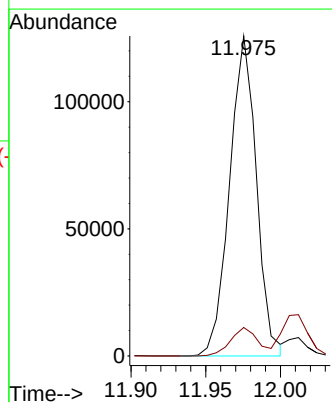
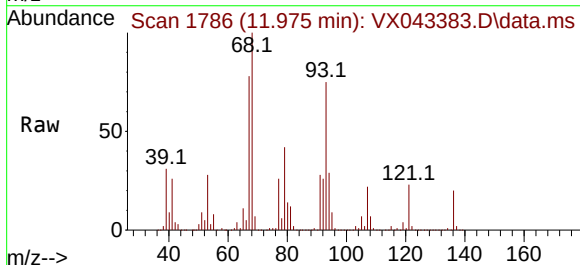
Instrument :
MSVOA_X
ClientSampleId :

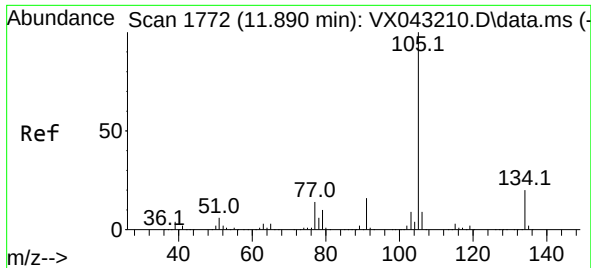
Tgt Ion:119 Resp: 75256
Ion Ratio Lower Upper
119 100
91 792.5 31.0 93.0#
134 18.5 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 45.764 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.226 min
Lab File: VX043383.D
Acq: 14 Oct 2024 16:03

Tgt Ion:105 Resp: 156594
Ion Ratio Lower Upper
105 100
120 9.3 21.2 63.6#

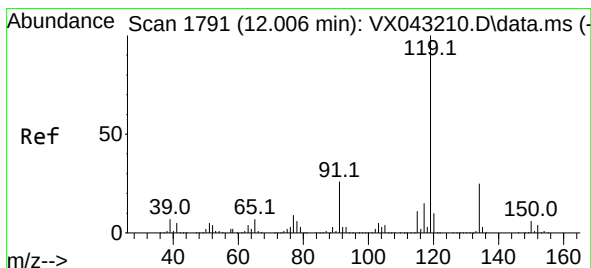
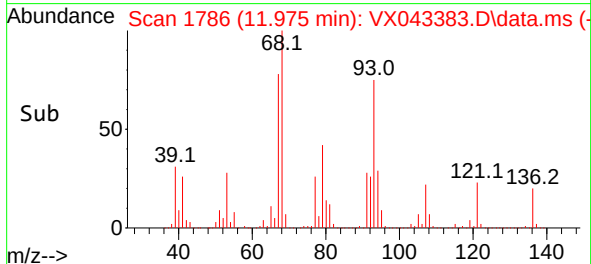
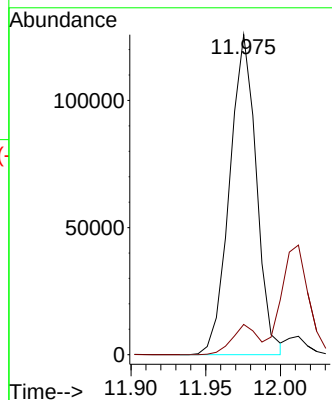
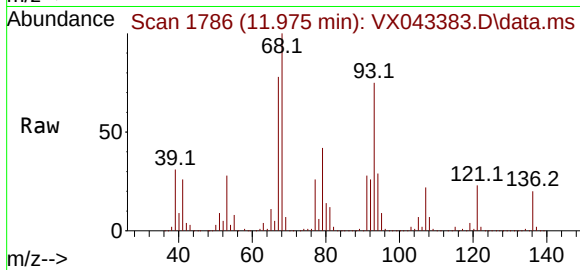




#85
 sec-Butylbenzene
 Concen: 37.702 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. 0.085 min
 Lab File: VX043383.D
 Acq: 14 Oct 2024 16:03

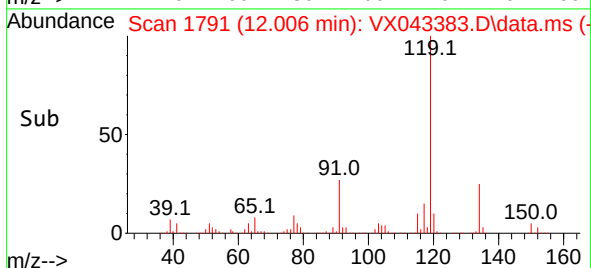
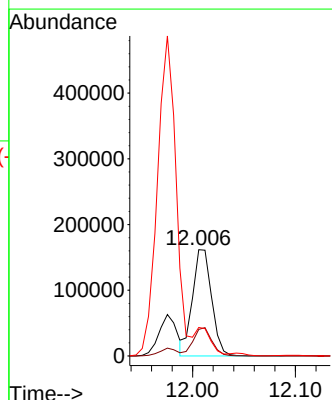
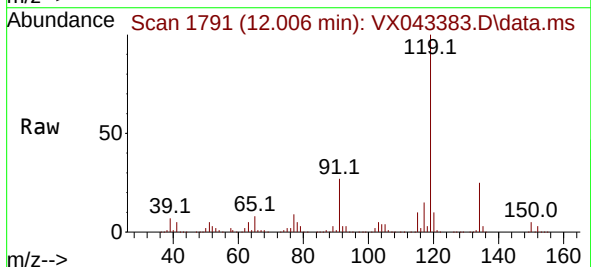
Instrument :
 MSVOA_X
 ClientSampleId :

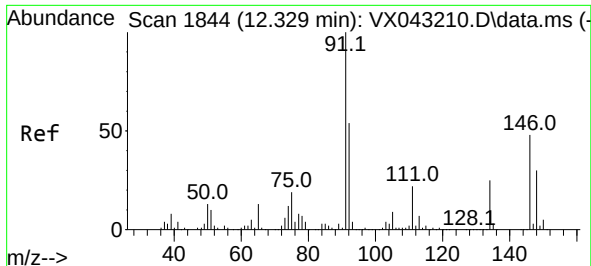
Tgt Ion:105 Resp: 156594
 Ion Ratio Lower Upper
 105 100
 134 8.9 10.1 30.1#



#86
 p-Isopropyltoluene
 Concen: 60.557 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX043383.D
 Acq: 14 Oct 2024 16:03

Tgt Ion:119 Resp: 209845
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 18.1 13.0 39.0





#89

n-Butylbenzene

Concen: 10.898 ug/l

RT: 12.238 min Scan# 11

Delta R.T. -0.092 min

Lab File: VX043383.D

Acq: 14 Oct 2024 16:03

Instrument :

MSVOA_X

ClientSampleId :

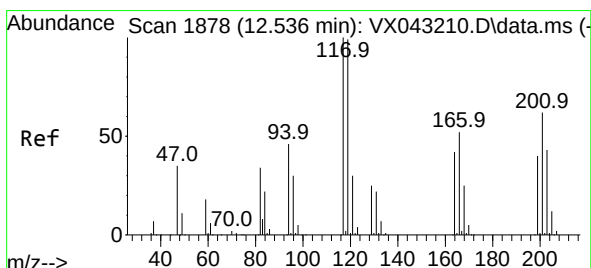
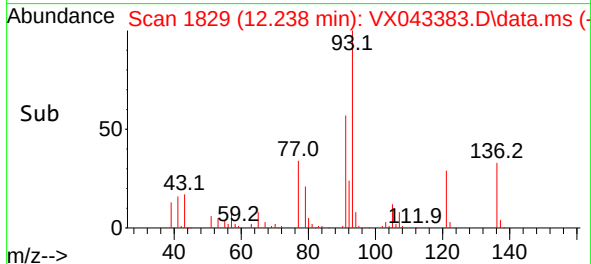
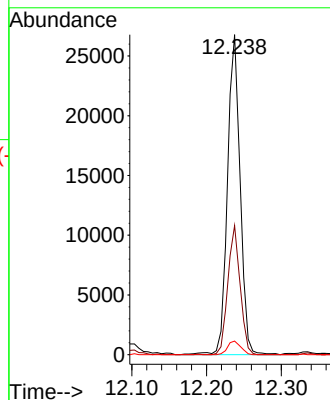
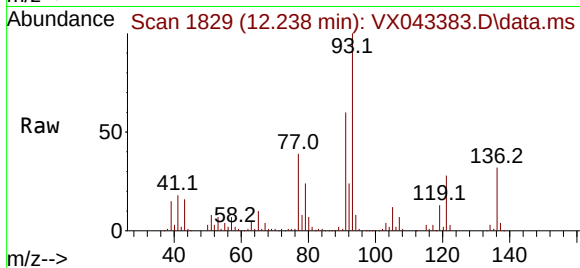
Tgt Ion: 91 Resp: 31615

Ion Ratio Lower Upper

91 100

92 39.1 27.0 81.0

134 4.4 12.9 38.6#



#90

Hexachloroethane

Concen: 1.526 ug/l

RT: 12.524 min Scan# 1876

Delta R.T. -0.012 min

Lab File: VX043383.D

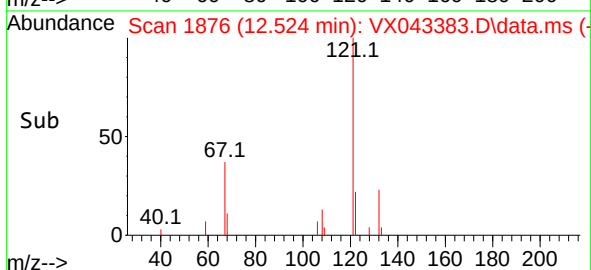
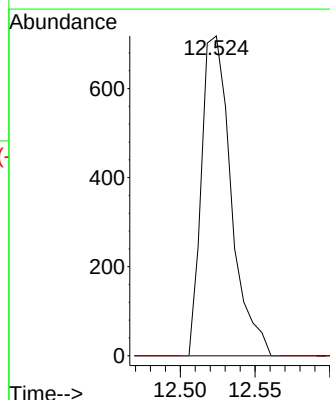
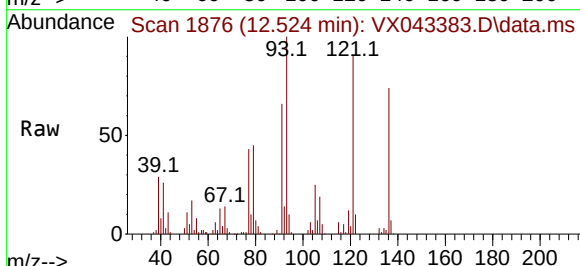
Acq: 14 Oct 2024 16:03

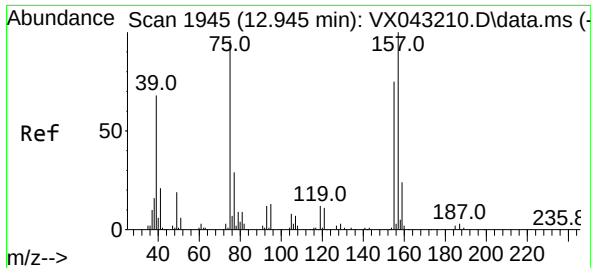
Tgt Ion: 117 Resp: 992

Ion Ratio Lower Upper

117 100

201 0.0 34.0 101.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.357 ug/l

RT: 12.670 min Scan# 1945

Delta R.T. -0.274 min

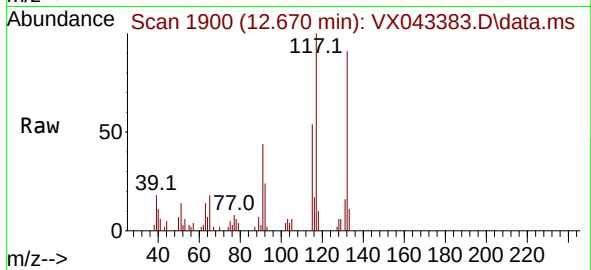
Lab File: VX043383.D

Acq: 14 Oct 2024 16:03

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 75 Resp: 117

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.4#

157 0.0 49.0 147.0#

