

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043228.D
 Acq On : 02 Oct 2024 13:59
 Operator : JC/MD
 Sample : PB163826ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 23:02:39 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)

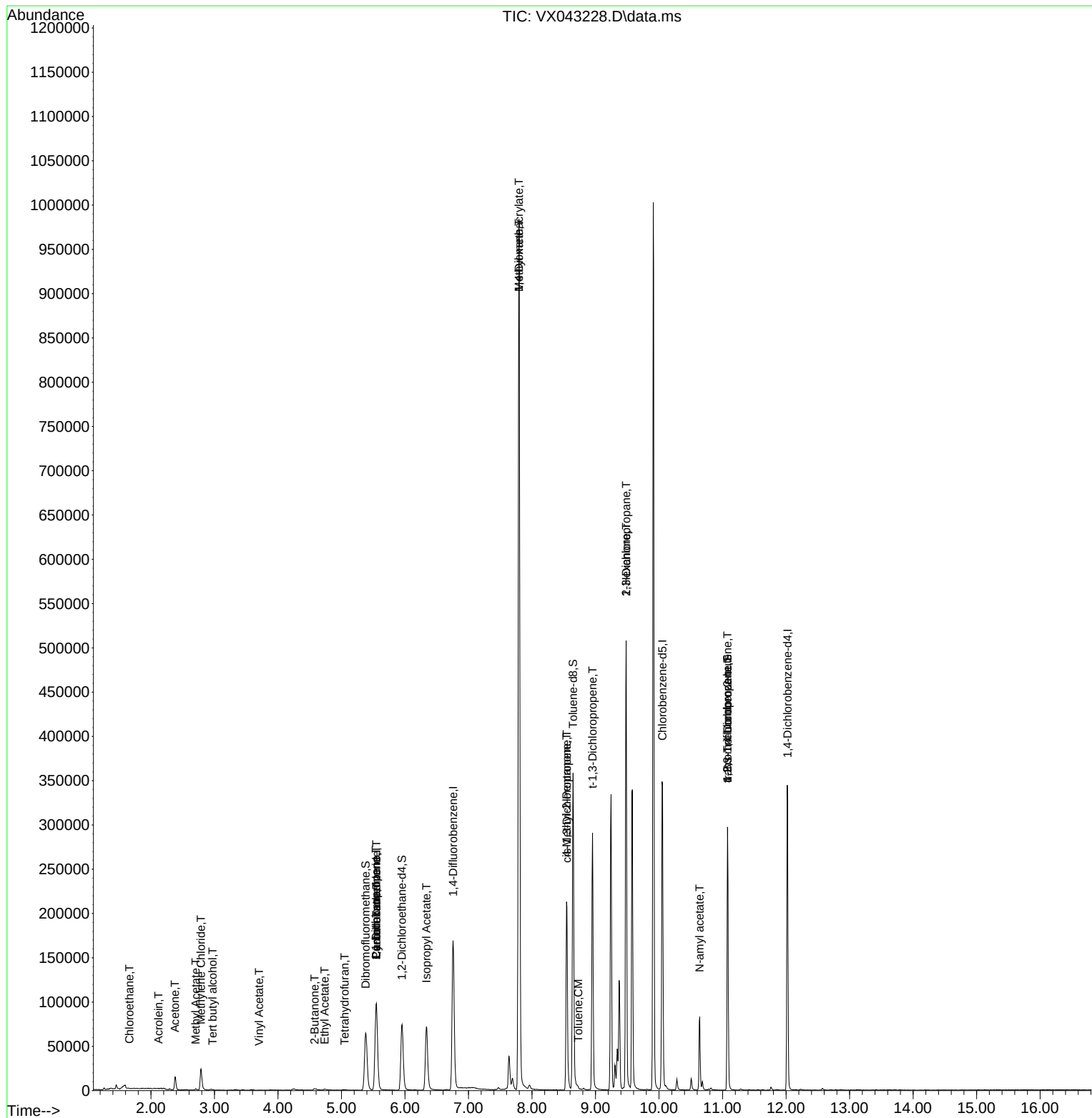
Internal Standards						
1) Pentafluorobenzene	5.550	168	90363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76999	52.176	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.360%			
35) Dibromofluoromethane	5.379	113	57369	48.216	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.440%			
50) Toluene-d8	8.647	98	207360	50.289	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.580%			
62) 4-Bromofluorobenzene	11.079	95	77659	51.843	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.680%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	107	0.265	ug/l #	42
11) Tert butyl alcohol	2.971	59	841	2.995	ug/l #	71
13) Acrolein	2.117	56	60	0.226	ug/l #	56
16) Acetone	2.379	43	16569	26.885	ug/l	98
18) Methyl Acetate	2.703	43	1804	1.167	ug/l	95
20) Methylene Chloride	2.788	84	12096	10.645	ug/l	95
23) Vinyl Acetate	3.702	43	38	6.349	ug/l #	71
25) 2-Butanone	4.574	43	4165	4.929	ug/l	91
29) Tetrahydrofuran	5.050	42	597	1.109	ug/l #	31
31) Cyclohexane	5.550	56	2284	1.434	ug/l #	18
36) 1,1-Dichloropropene	5.544	75	7479	4.976	ug/l #	49
37) Ethyl Acetate	4.733	43	1914	1.060	ug/l #	92
38) Carbon Tetrachloride	5.550	117	10050	5.648	ug/l #	15
43) Isopropyl Acetate	6.336	43	103218	34.619	ug/l	99
48) Methyl methacrylate	7.793	41	89086	60.897	ug/l #	45
49) 1,4-Dioxane	7.793	88	99	3.481	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	81055	44.762	ug/l #	50
52) Toluene	8.726	92	732	0.256	ug/l	83
53) t-1,3-Dichloropropene	8.951	75	568	0.324	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34843	18.555	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	4177	2.161	ug/l #	43
59) 2-Hexanone	9.482	43	65065	47.515	ug/l #	53
74) N-amyl acetate	10.640	43	21780	8.491	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	42128	27.329	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	42128	70.826	ug/l #	8

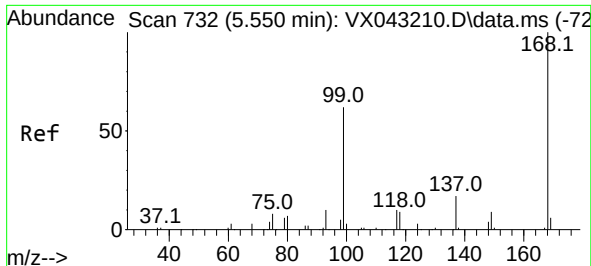
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
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QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



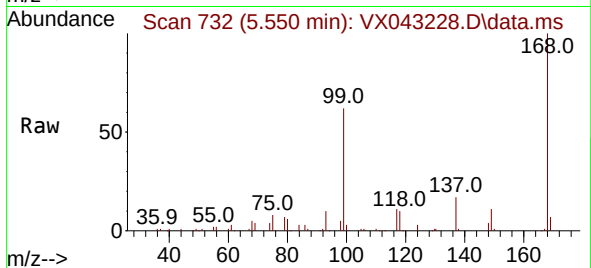


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

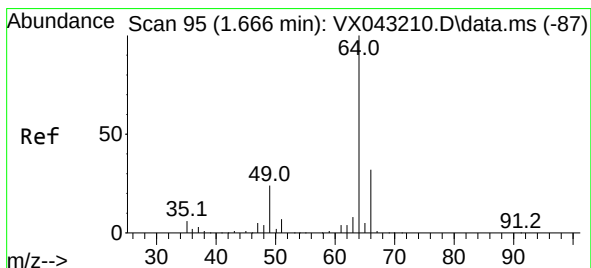
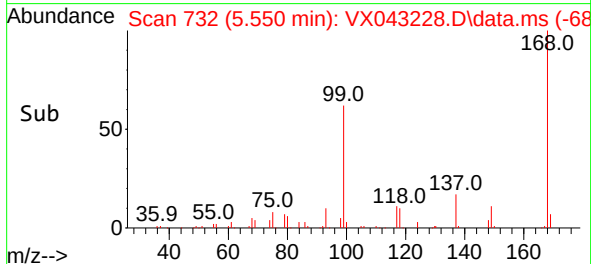
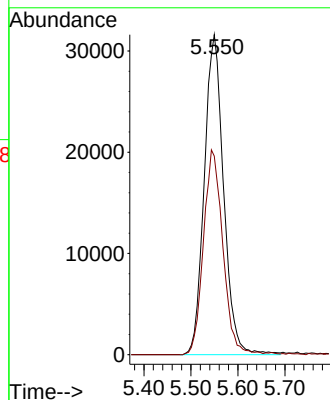
Instrument :

MSVOA_X

ClientSampleId :

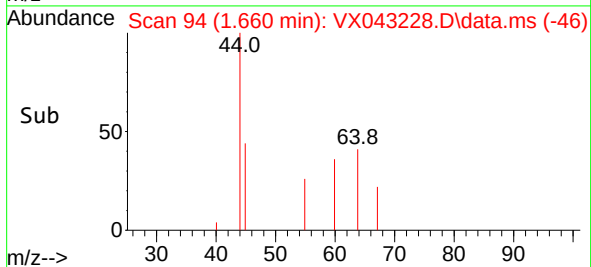
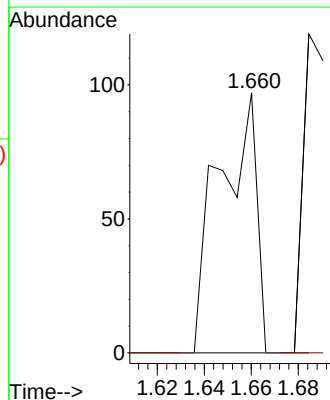
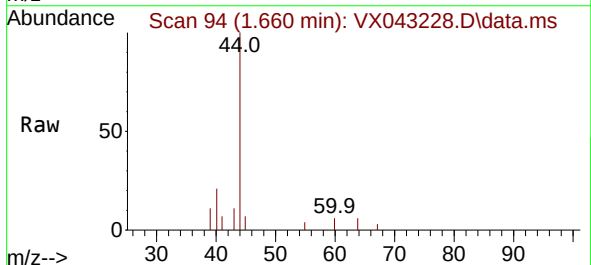


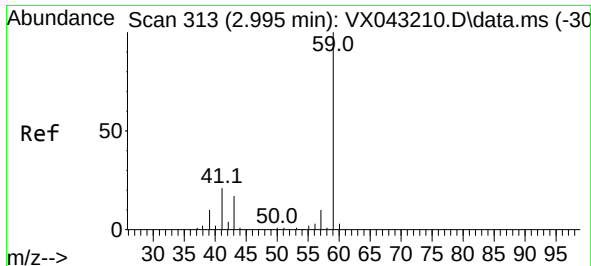
Tgt Ion:168 Resp: 90363
Ion Ratio Lower Upper
168 100
99 62.0 49.7 74.5



#6
Chloroethane
Concen: 0.265 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Tgt Ion: 64 Resp: 107
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#





#11

Tert butyl alcohol

Concen: 2.995 ug/l

RT: 2.971 min Scan# 30

Delta R.T. -0.025 min

Lab File: VX043228.D

Acq: 02 Oct 2024 13:59

Instrument :

MSVOA_X

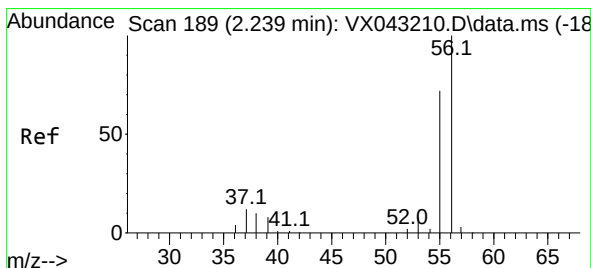
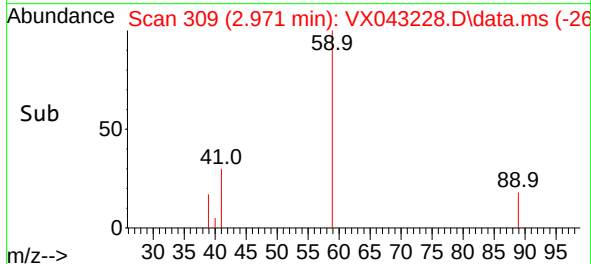
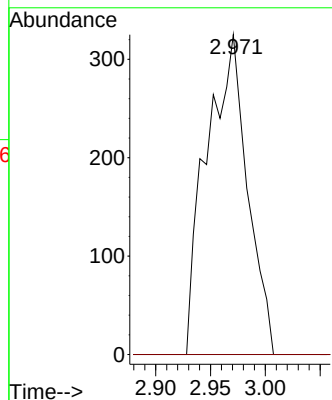
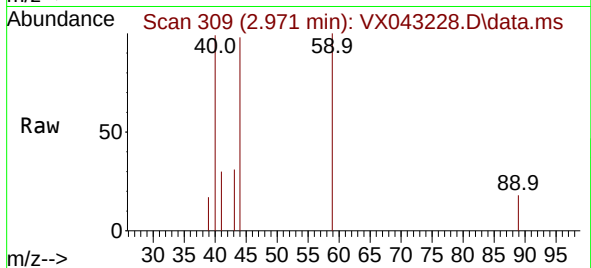
ClientSampleId :

Tgt Ion: 59 Resp: 841

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#13

Acrolein

Concen: 0.226 ug/l

RT: 2.117 min Scan# 169

Delta R.T. -0.122 min

Lab File: VX043228.D

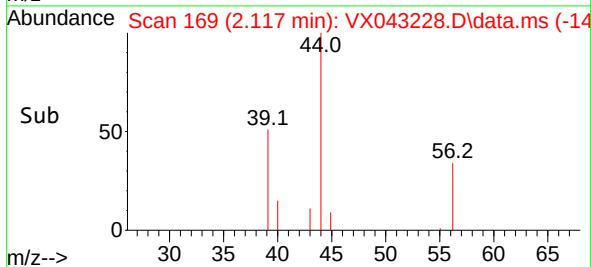
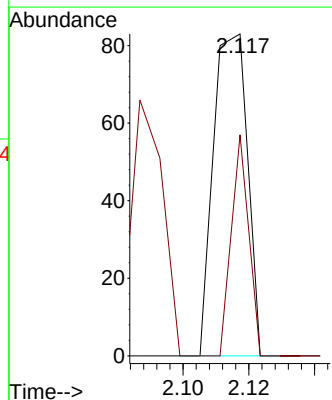
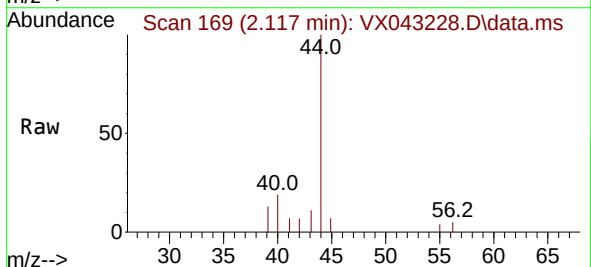
Acq: 02 Oct 2024 13:59

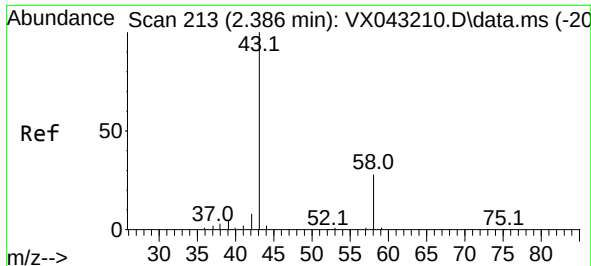
Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 35.0 57.4 86.0#

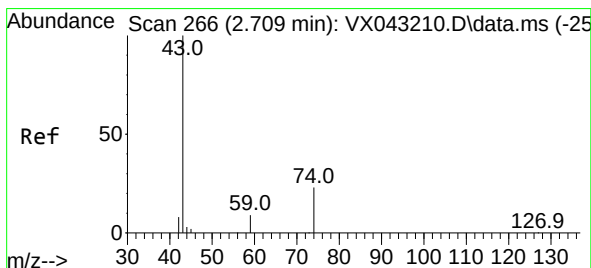
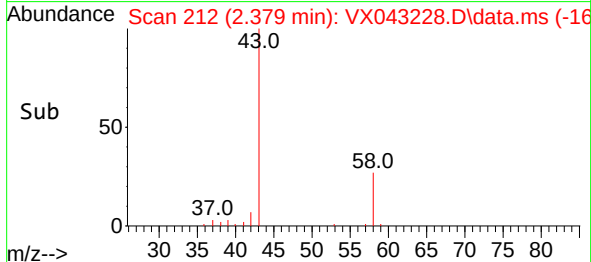
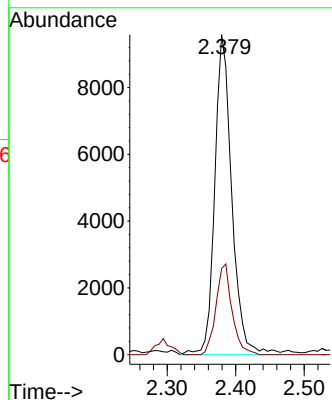
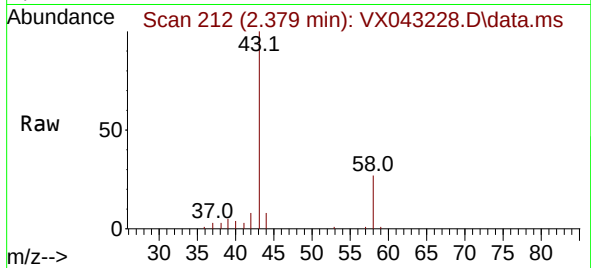




#16
Acetone
Concen: 26.885 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

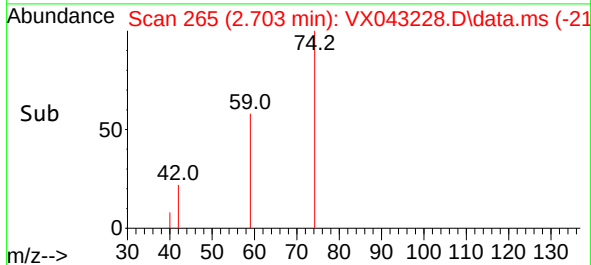
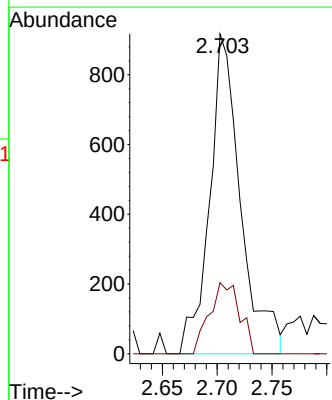
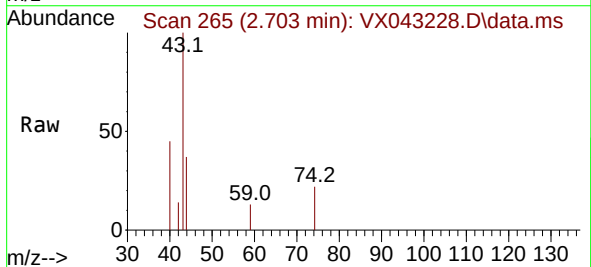
Instrument :
MSVOA_X
ClientSampleId :

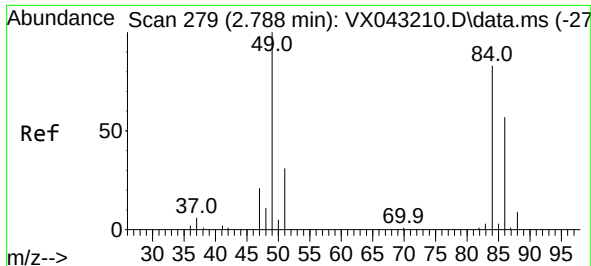
Tgt Ion: 43 Resp: 16569
Ion Ratio Lower Upper
43 100
58 26.9 22.6 33.8



#18
Methyl Acetate
Concen: 1.167 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

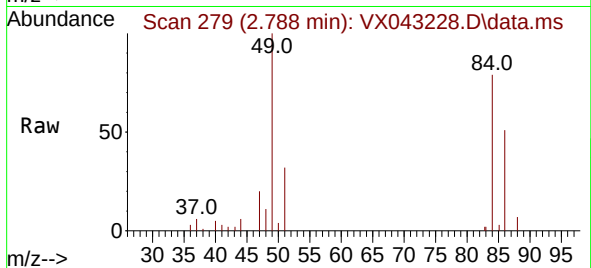
Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
74 21.7 19.1 28.7



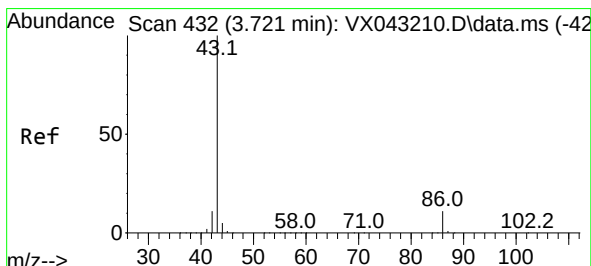
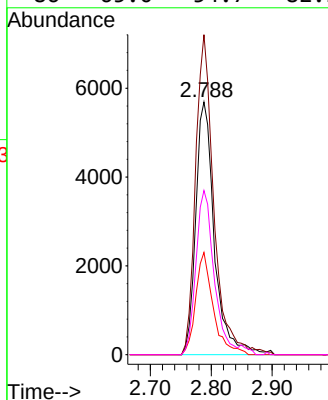
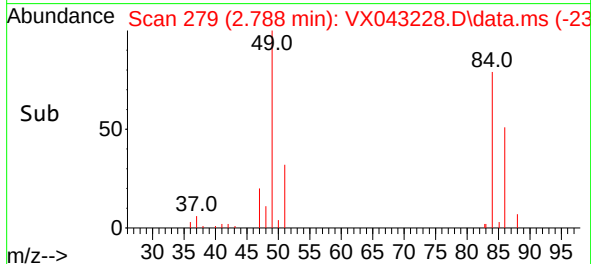


#20
Methylene Chloride
Concen: 10.645 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Instrument :
MSVOA_X
ClientSampleId :

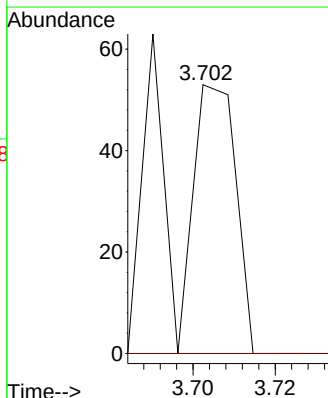
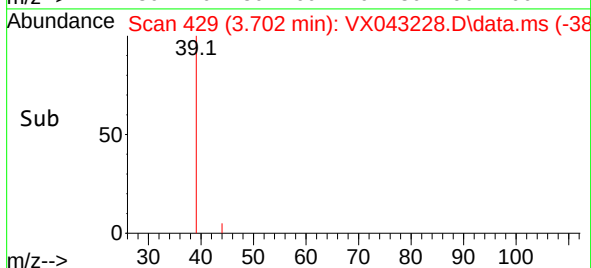
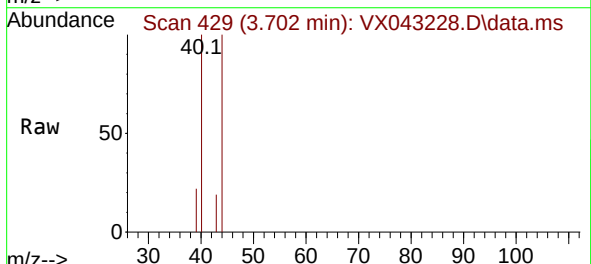


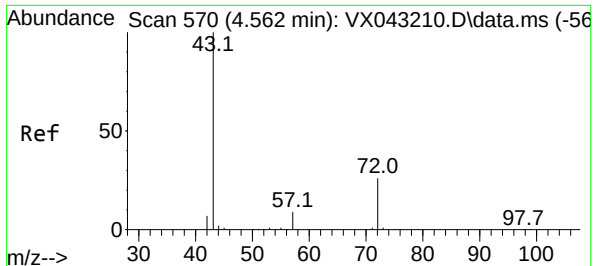
Tgt Ion: 84	Resp: 12096
Ion Ratio	Lower Upper
84 100	
49 126.6	96.7 145.1
51 40.5	30.4 45.6
86 65.0	54.7 82.1



#23
Vinyl Acetate
Concen: 6.349 ug/l
RT: 3.702 min Scan# 429
Delta R.T. -0.019 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Tgt Ion: 43	Resp: 38
Ion Ratio	Lower Upper
43 100	
86 0.0	8.8 13.2#





#25

2-Butanone

Concen: 4.929 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043228.D

Acq: 02 Oct 2024 13:59

Instrument :

MSVOA_X

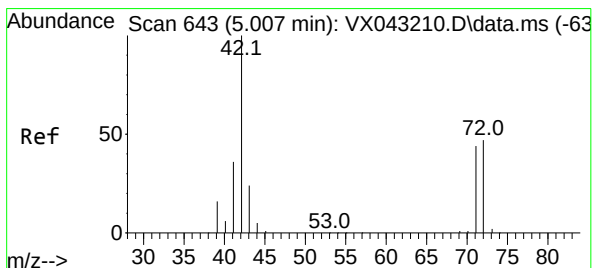
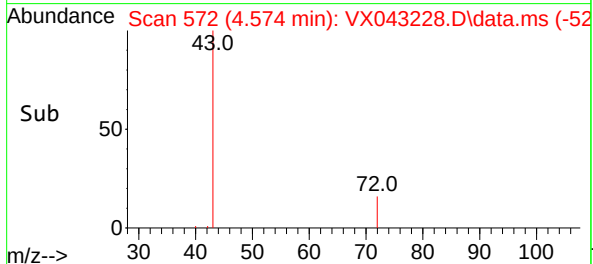
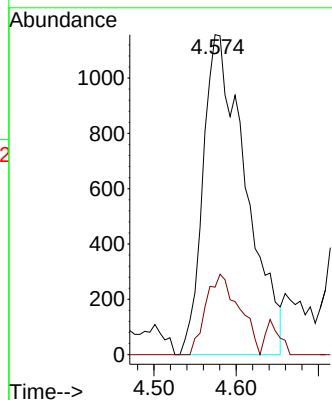
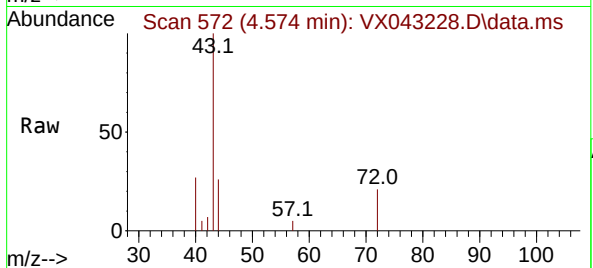
ClientSampleId :

Tgt Ion: 43 Resp: 4165

Ion Ratio Lower Upper

43 100

72 21.1 20.6 31.0



#29

Tetrahydrofuran

Concen: 1.109 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.043 min

Lab File: VX043228.D

Acq: 02 Oct 2024 13:59

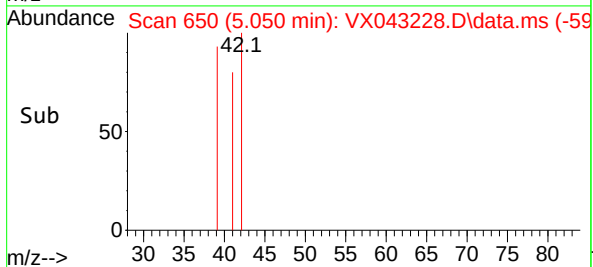
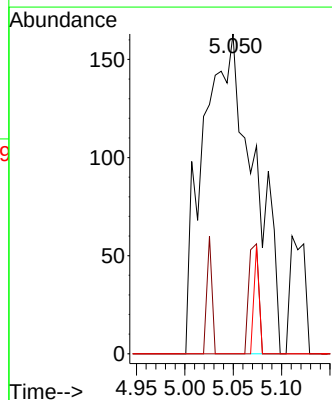
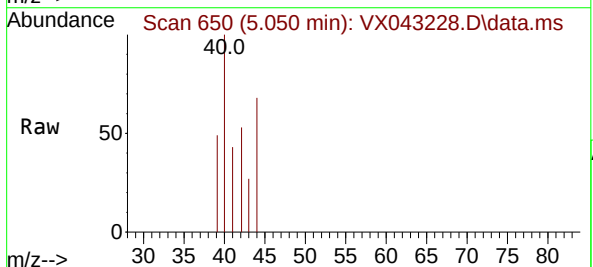
Tgt Ion: 42 Resp: 597

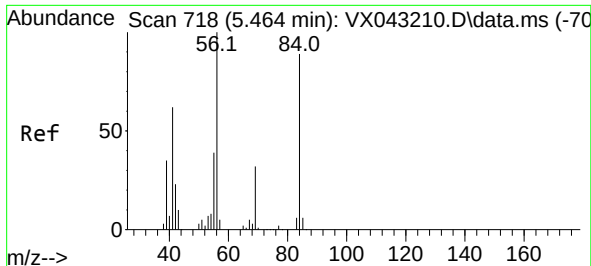
Ion Ratio Lower Upper

42 100

72 0.0 37.7 56.5#

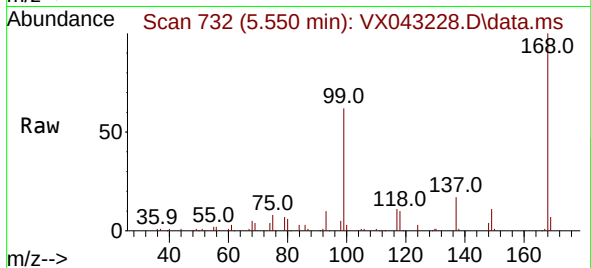
71 0.0 34.6 52.0#



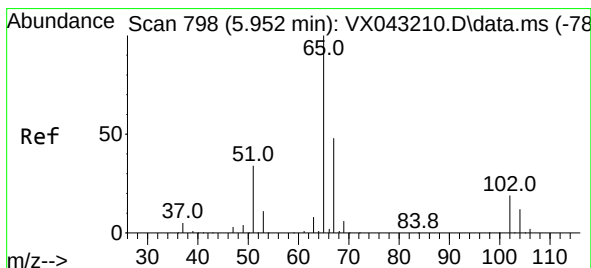
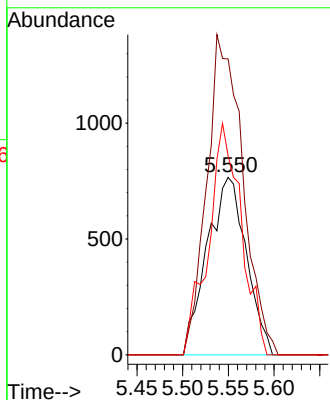
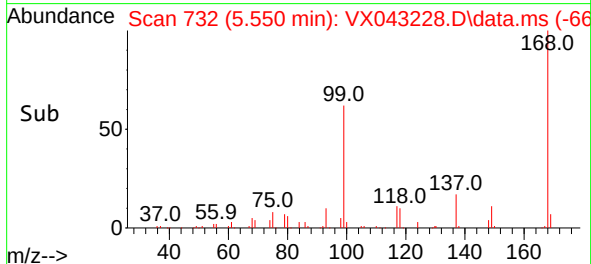


#31
Cyclohexane
Concen: 1.434 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Instrument :
MSVOA_X
ClientSampleId :

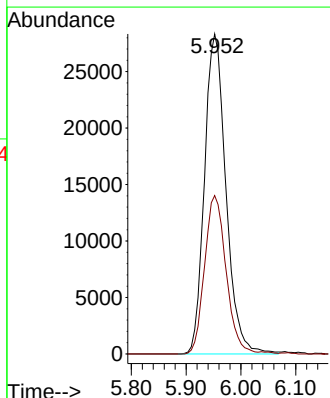
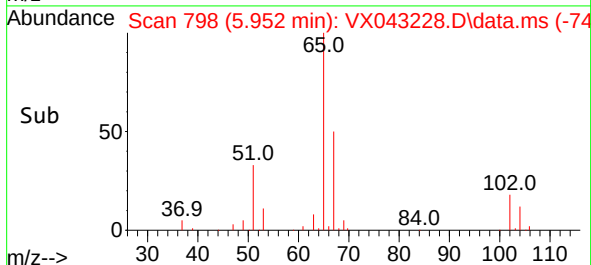
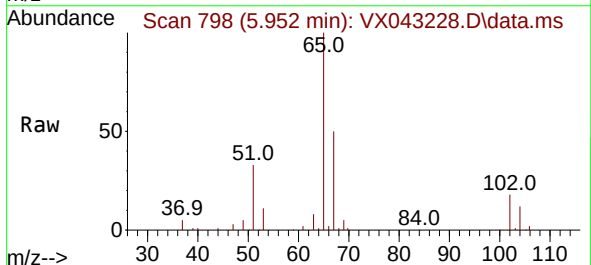


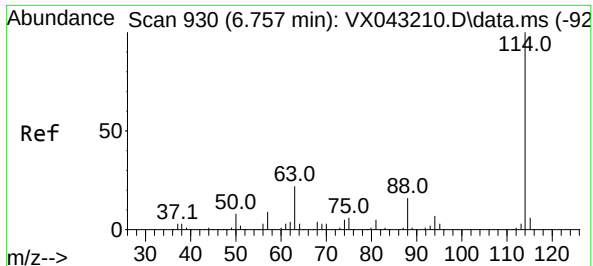
Tgt Ion: 56 Resp: 2284
Ion Ratio Lower Upper
56 100
69 166.7 25.8 38.6#
84 112.1 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 52.176 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Tgt Ion: 65 Resp: 76999
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.0

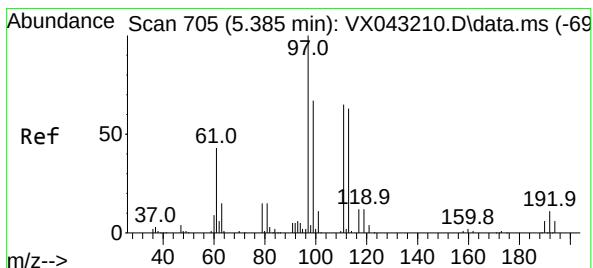
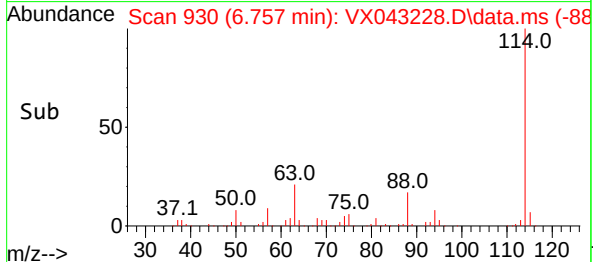
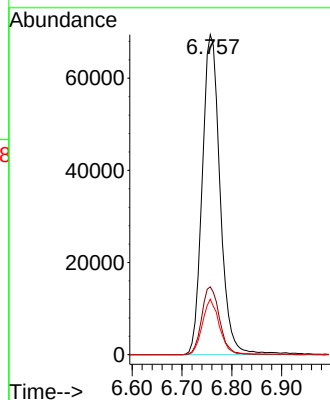
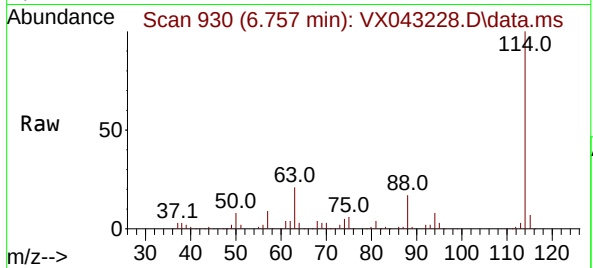




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

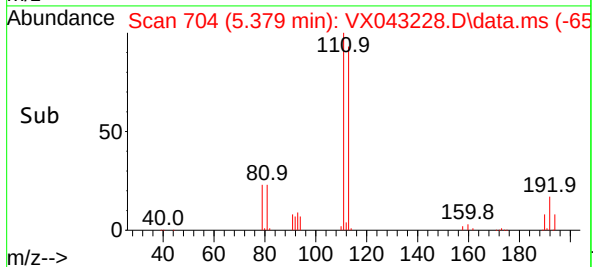
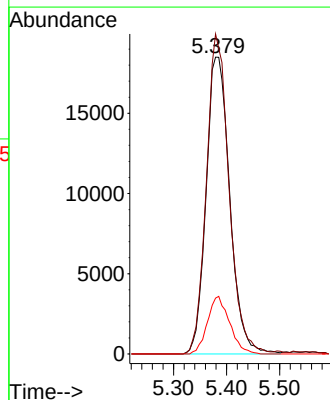
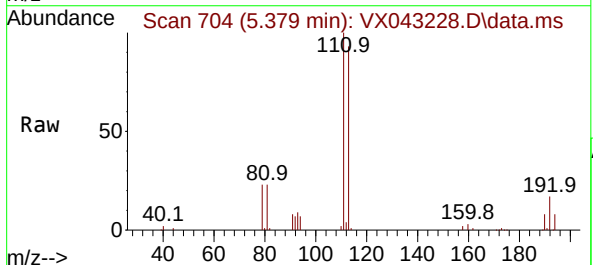
Instrument :
MSVOA_X
ClientSampleId :

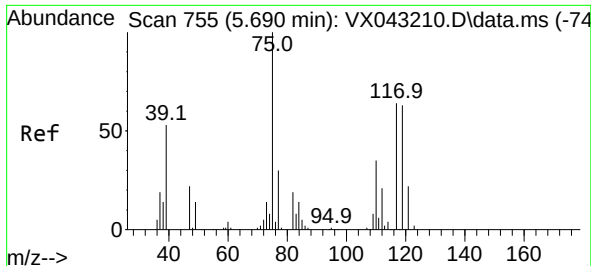
Tgt Ion:114 Resp: 172530
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.0
88 17.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.216 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

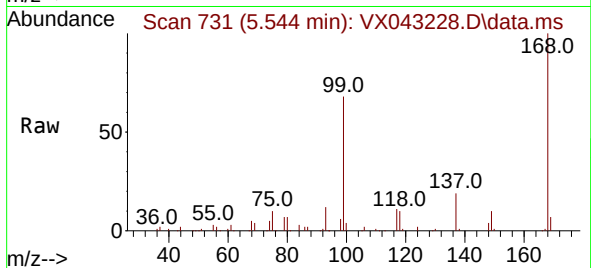
Tgt Ion:113 Resp: 57369
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.0
192 18.1 14.1 21.1



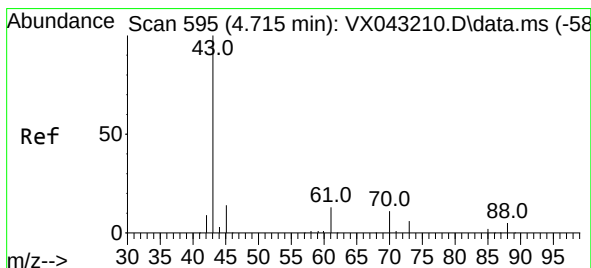
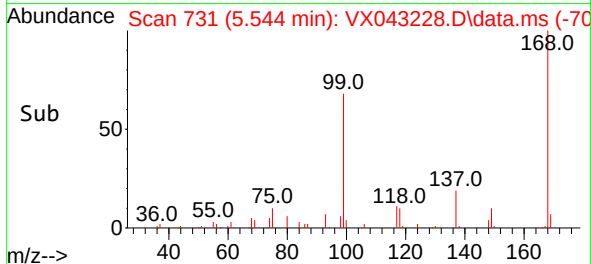
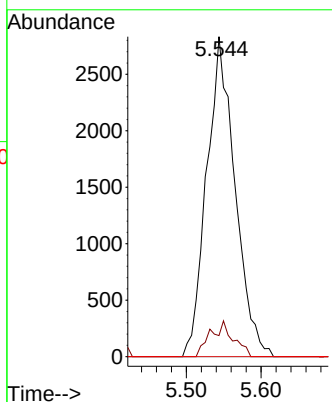


#36
1,1-Dichloropropene
Concen: 4.976 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Instrument :
MSVOA_X
ClientSampleId :

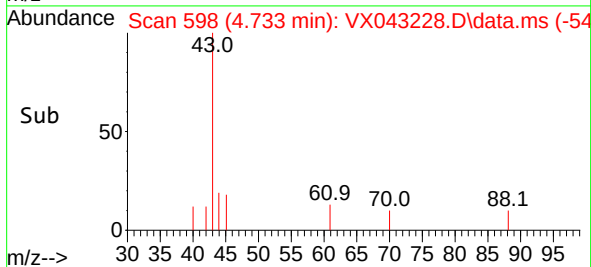
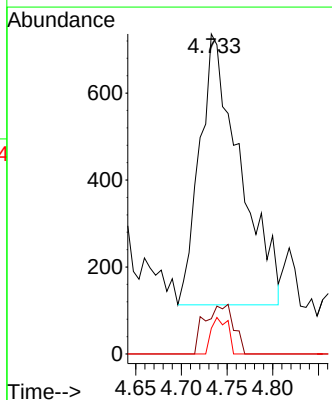
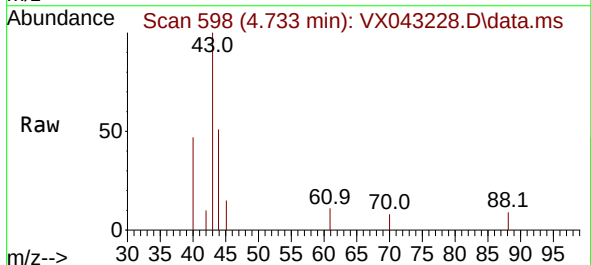


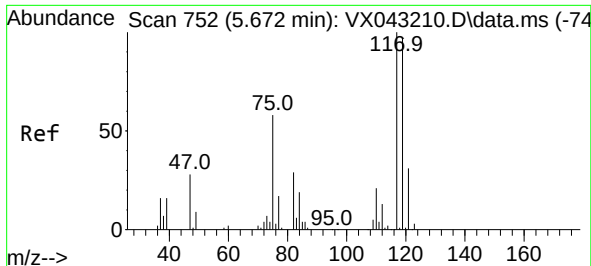
Tgt Ion: 75 Resp: 7479
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.060 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

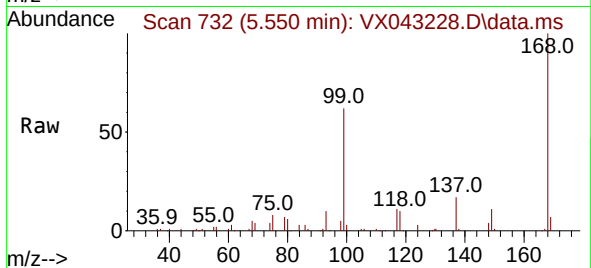
Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
61 13.0 11.0 16.4
70 5.5 8.9 13.3#



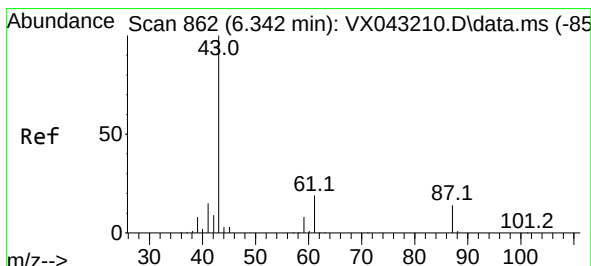
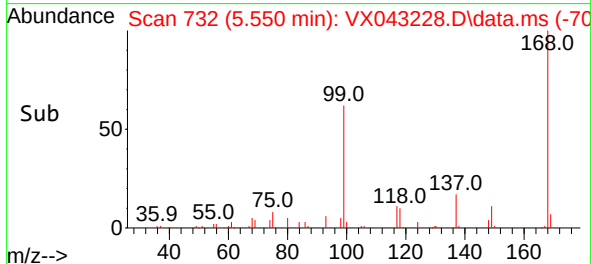
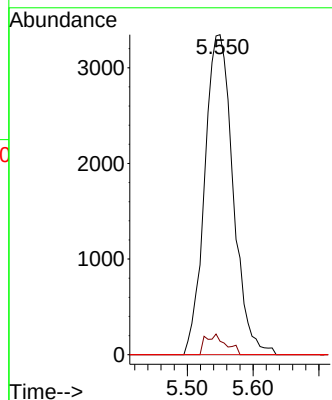


#38
Carbon Tetrachloride
Concen: 5.648 ug/l
RT: 5.550 min Scan# 752
Delta R.T. -0.122 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Instrument :
MSVOA_X
ClientSampleId :

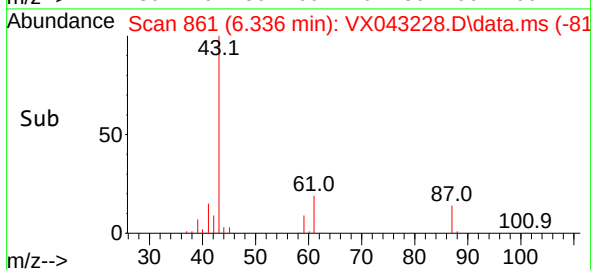
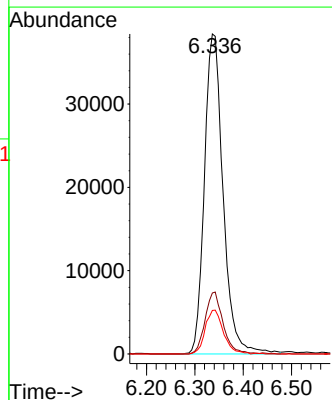
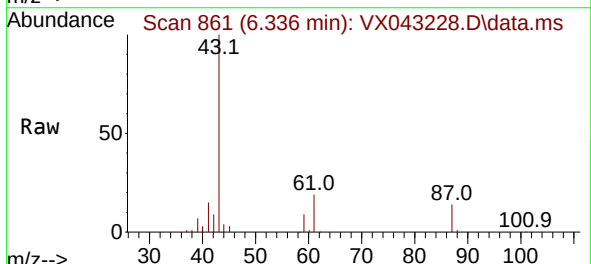


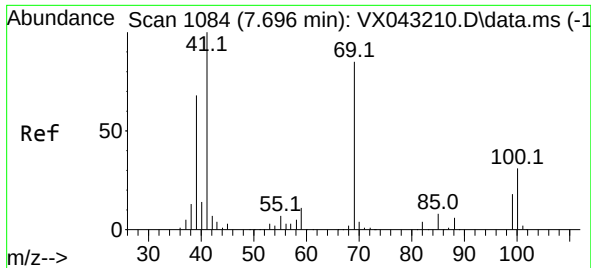
Tgt Ion:117 Resp: 10050
Ion Ratio Lower Upper
117 100
119 4.2 77.7 116.5#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 34.619 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Tgt Ion: 43 Resp: 103218
Ion Ratio Lower Upper
43 100
61 18.6 15.1 22.7
87 13.3 10.8 16.2

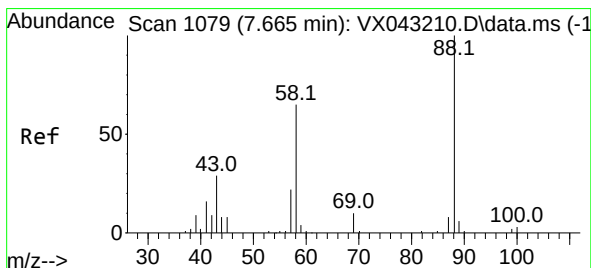
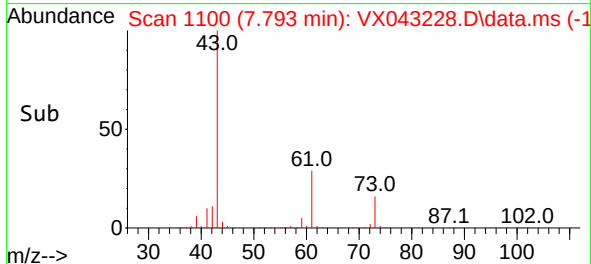
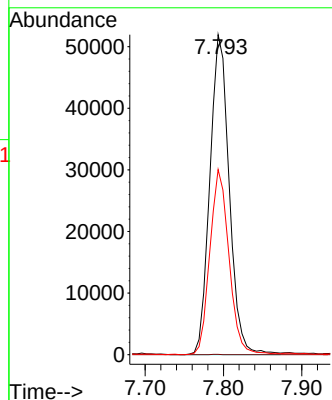
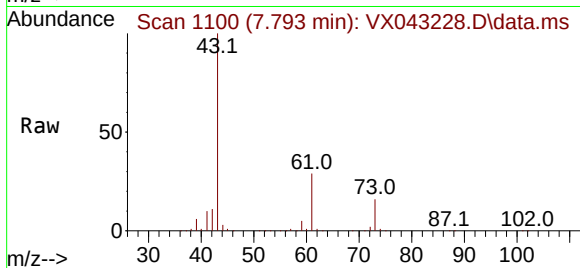




#48
Methyl methacrylate
Concen: 60.897 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.097 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

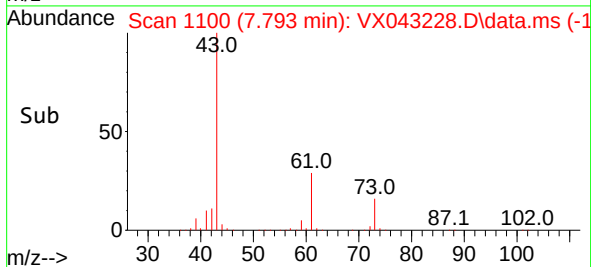
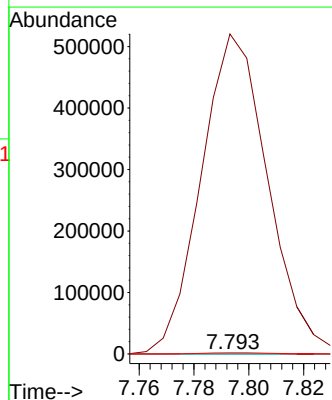
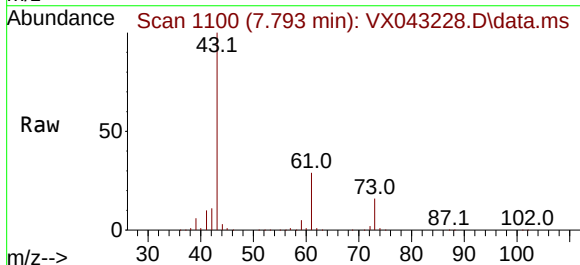
Instrument :
MSVOA_X
ClientSampleId :

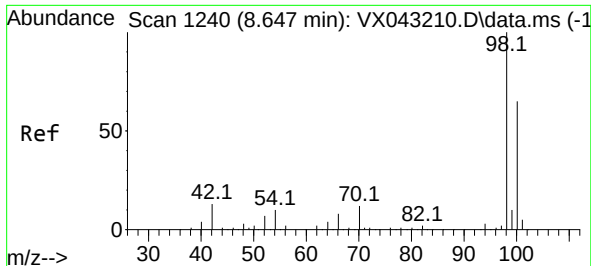
Tgt Ion: 41 Resp: 89086
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 57.3 52.8 79.2



#49
1,4-Dioxane
Concen: 3.481 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 905638.4 29.5 44.3#
58 3468.7 55.2 82.8#





#50

Toluene-d8

Concen: 50.289 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043228.D

Acq: 02 Oct 2024 13:59

Instrument :

MSVOA_X

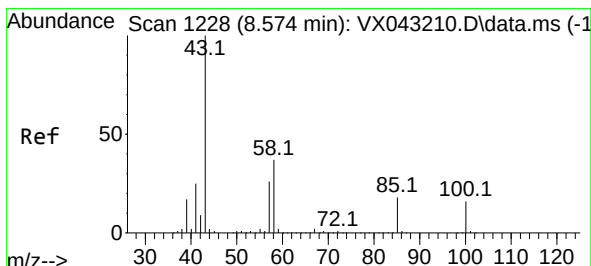
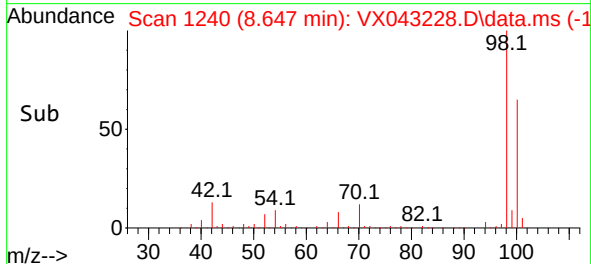
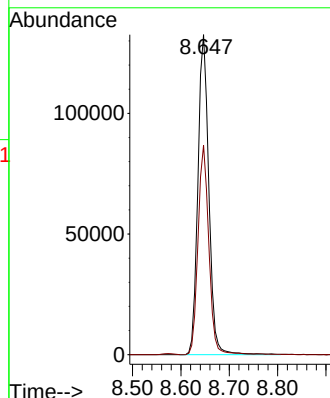
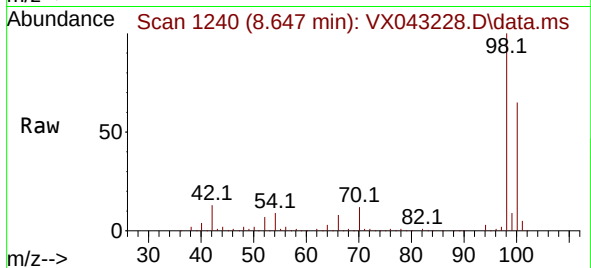
ClientSampleId :

Tgt Ion: 98 Resp: 207360

Ion Ratio Lower Upper

98 100

100 64.8 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 44.762 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. -0.031 min

Lab File: VX043228.D

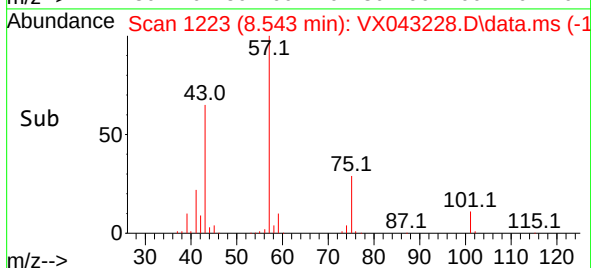
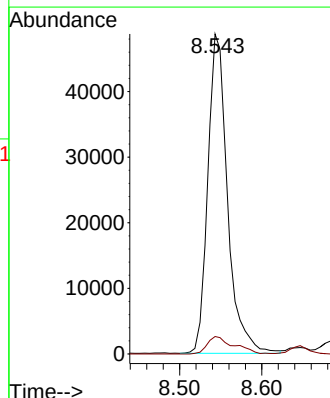
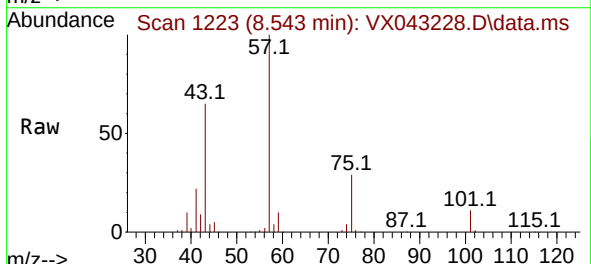
Acq: 02 Oct 2024 13:59

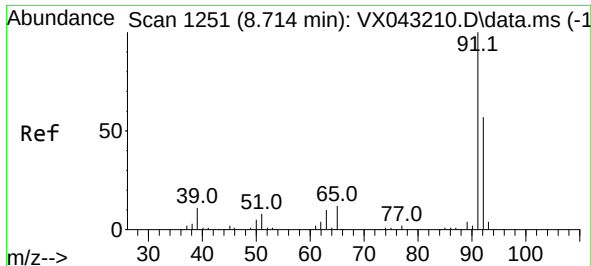
Tgt Ion: 43 Resp: 81055

Ion Ratio Lower Upper

43 100

58 7.4 30.0 45.0#





#52

Toluene

Concen: 0.256 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.012 min MSVOA_X

Lab File: VX043228.D

Acq: 02 Oct 2024 13:59

Instrument :

MSVOA_X

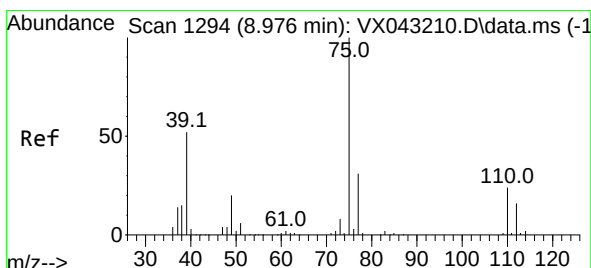
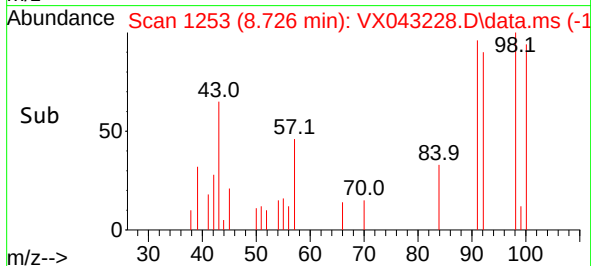
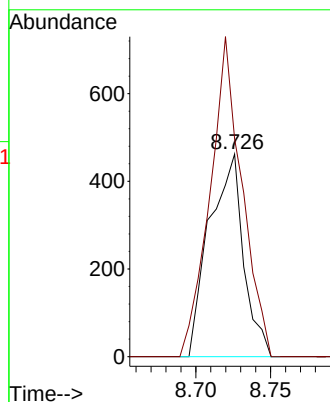
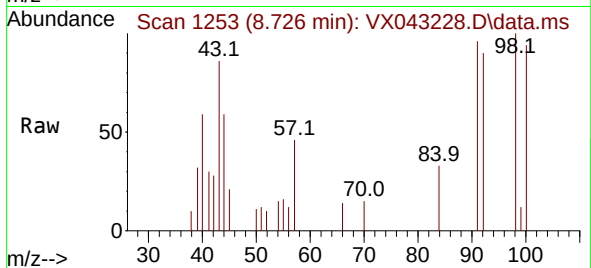
ClientSampleId :

Tgt Ion: 92 Resp: 732

Ion Ratio Lower Upper

92 100

91 148.1 137.0 205.4



#53

t-1,3-Dichloropropene

Concen: 0.324 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX043228.D

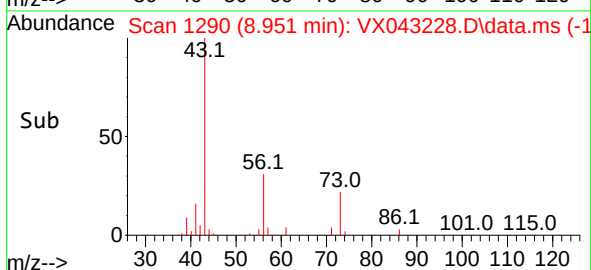
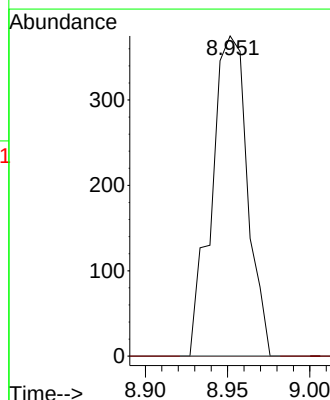
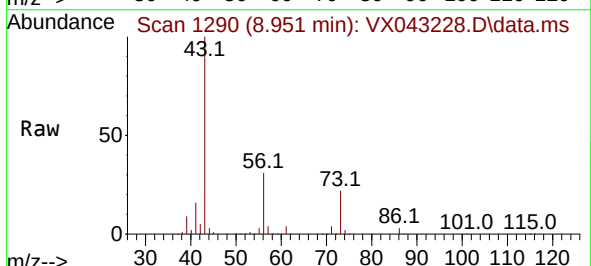
Acq: 02 Oct 2024 13:59

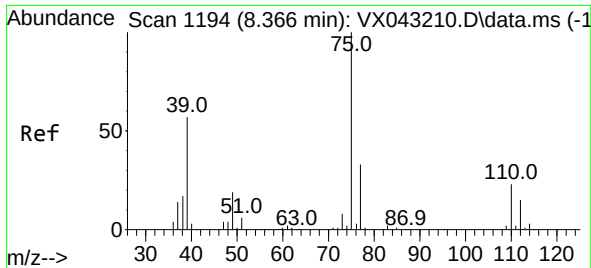
Tgt Ion: 75 Resp: 568

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

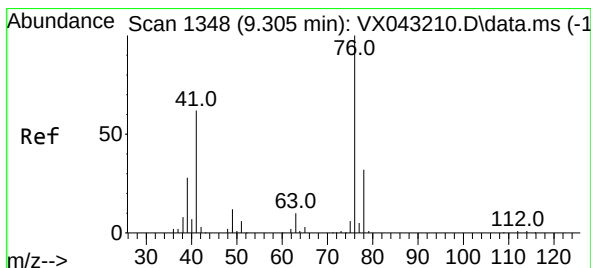
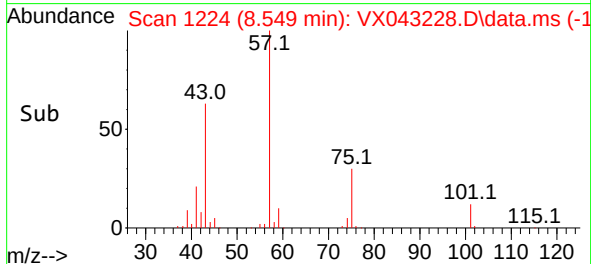
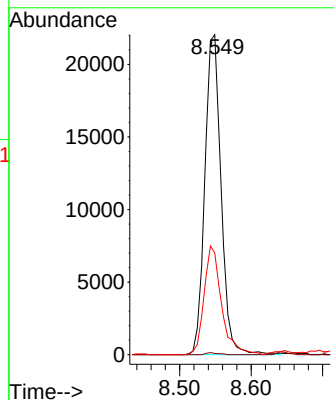
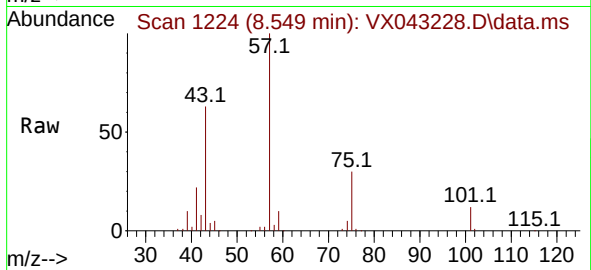




#54
 cis-1,3-Dichloropropene
 Concen: 18.555 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043228.D
 Acq: 02 Oct 2024 13:59

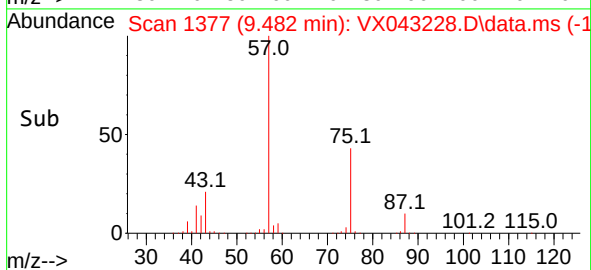
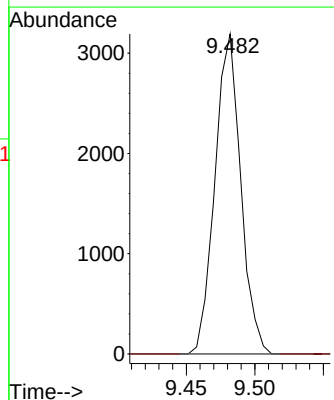
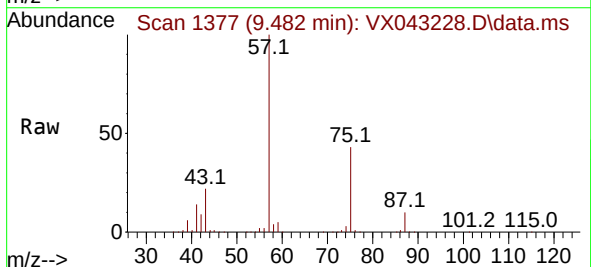
Instrument :
 MSVOA_X
 ClientSampleId :

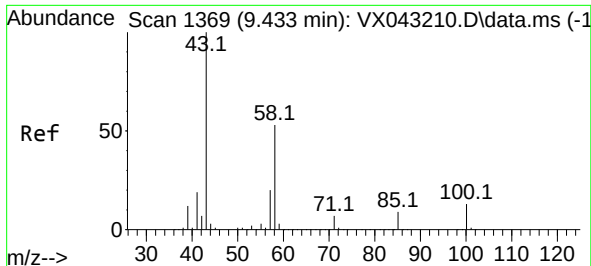
Tgt Ion: 75 Resp: 34843
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.0 39.0#
 39 31.8 45.8 68.8#



#57
 1,3-Dichloropropane
 Concen: 2.161 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043228.D
 Acq: 02 Oct 2024 13:59

Tgt Ion: 76 Resp: 4177
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 47.515 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043228.D

Acq: 02 Oct 2024 13:59

Instrument :

MSVOA_X

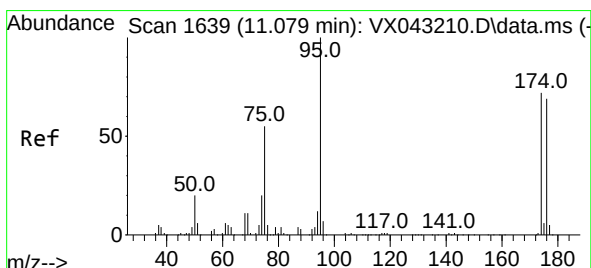
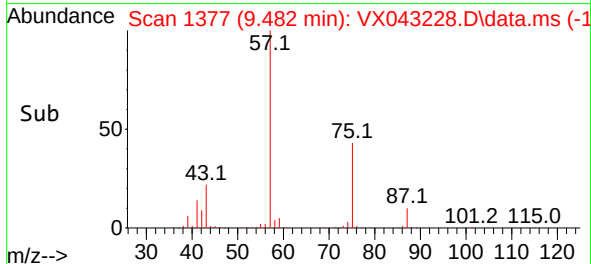
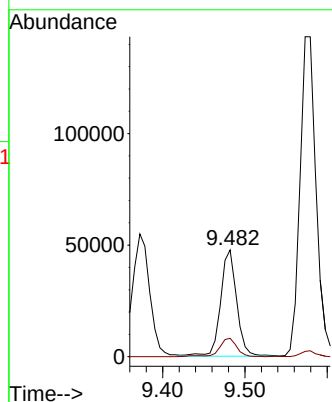
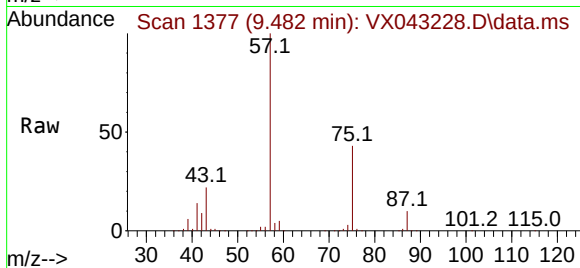
ClientSampleId :

Tgt Ion: 43 Resp: 65065

Ion Ratio Lower Upper

43 100

58 18.8 26.1 78.3#



#62

4-Bromofluorobenzene

Concen: 51.843 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043228.D

Acq: 02 Oct 2024 13:59

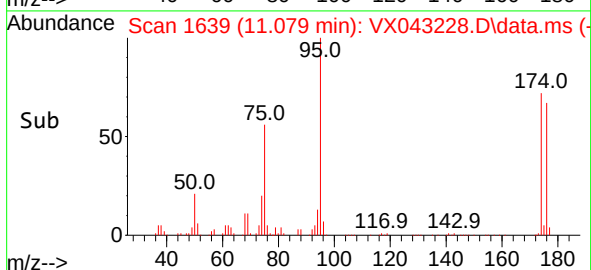
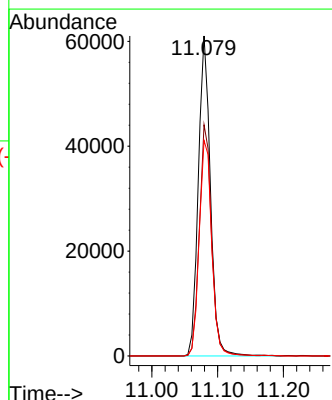
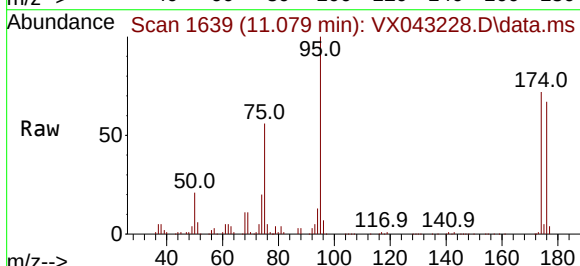
Tgt Ion: 95 Resp: 77659

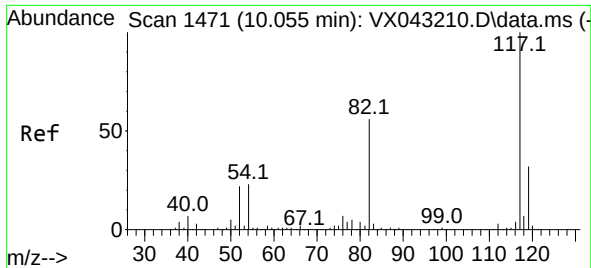
Ion Ratio Lower Upper

95 100

174 73.3 0.0 145.0

176 69.9 0.0 143.0

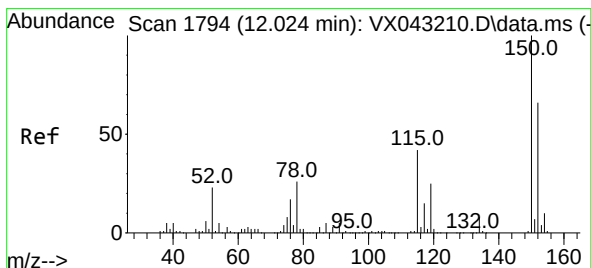
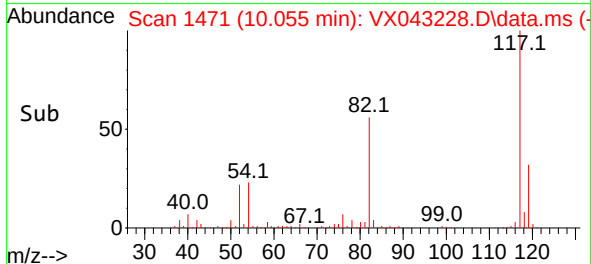
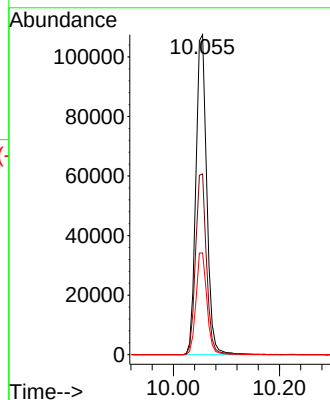
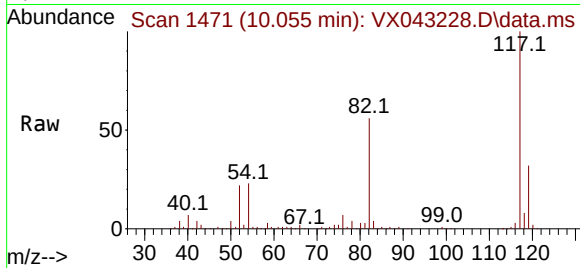




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

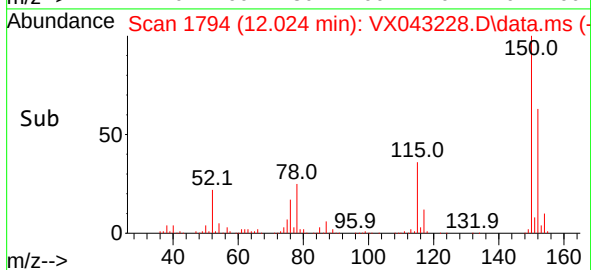
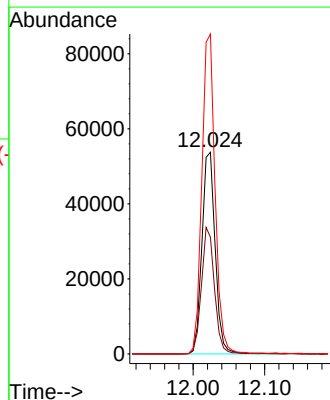
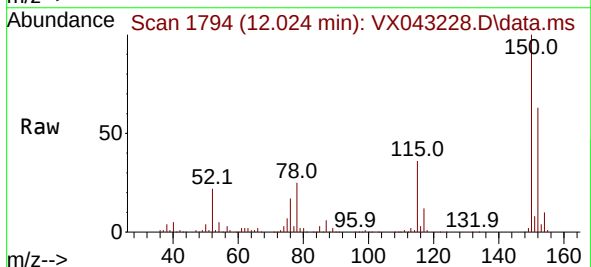
Instrument :
MSVOA_X
ClientSampleId :

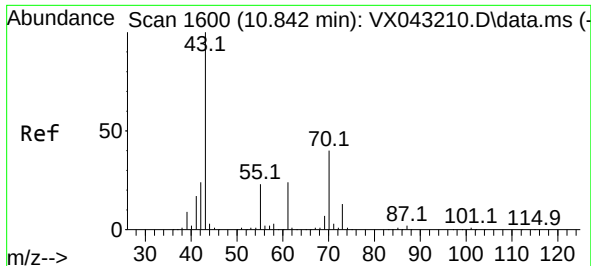
Tgt Ion:117 Resp: 153068
Ion Ratio Lower Upper
117 100
82 56.5 45.0 67.6
119 31.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

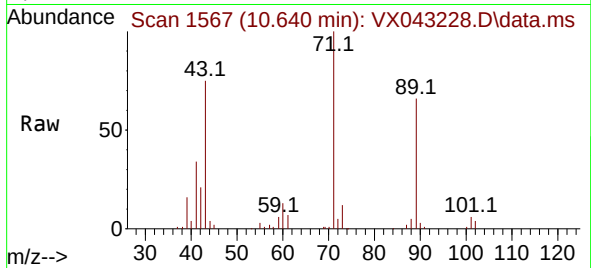
Tgt Ion:152 Resp: 69498
Ion Ratio Lower Upper
152 100
115 61.2 44.1 132.3
150 157.9 0.0 347.4



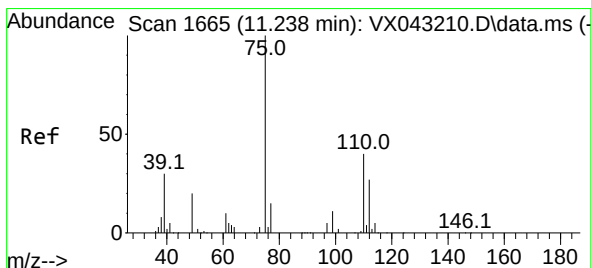
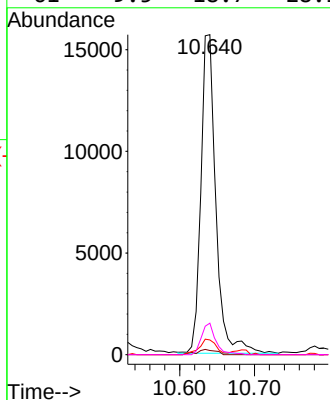
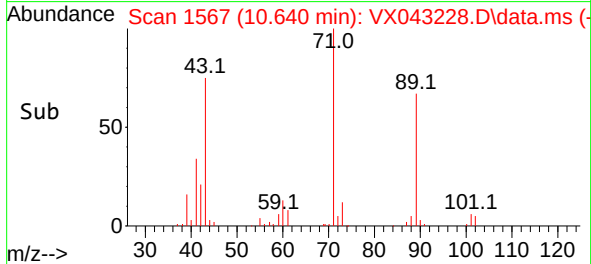


#74
N-amy1 acetate
Concen: 8.491 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Instrument :
MSVOA_X
ClientSampleId :

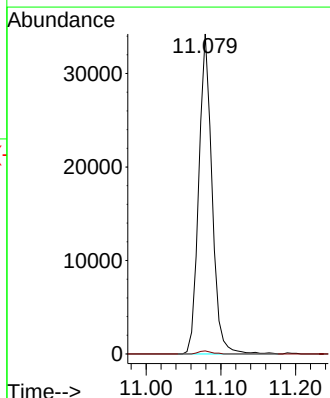
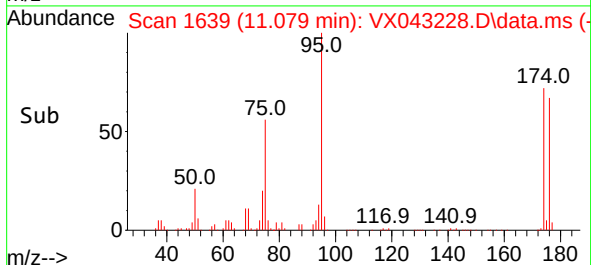
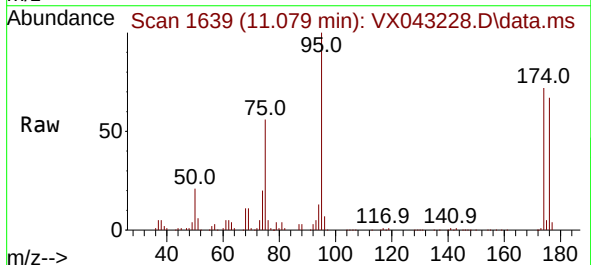


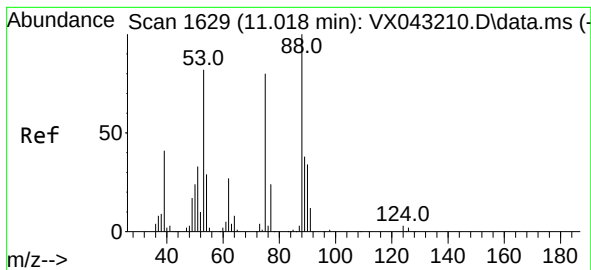
Tgt Ion:	43	Resp:	21780
Ion	Ratio	Lower	Upper
43	100		
70	2.1	33.1	49.7#
55	5.6	18.6	27.8#
61	9.5	18.7	28.1#



#76
1,2,3-Trichloropropane
Concen: 27.329 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043228.D
Acq: 02 Oct 2024 13:59

Tgt Ion:	75	Resp:	42128
Ion	Ratio	Lower	Upper
75	100		
77	1.0	22.0	66.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.826 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043228.D
 Acq: 02 Oct 2024 13:59

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 42128
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 38.6 58.0#

