

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044722.D
 Acq On : 27 Jan 2025 14:32
 Operator : JC/MD
 Sample : PB166212TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB166212TB

Quant Time: Jan 28 04:12:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

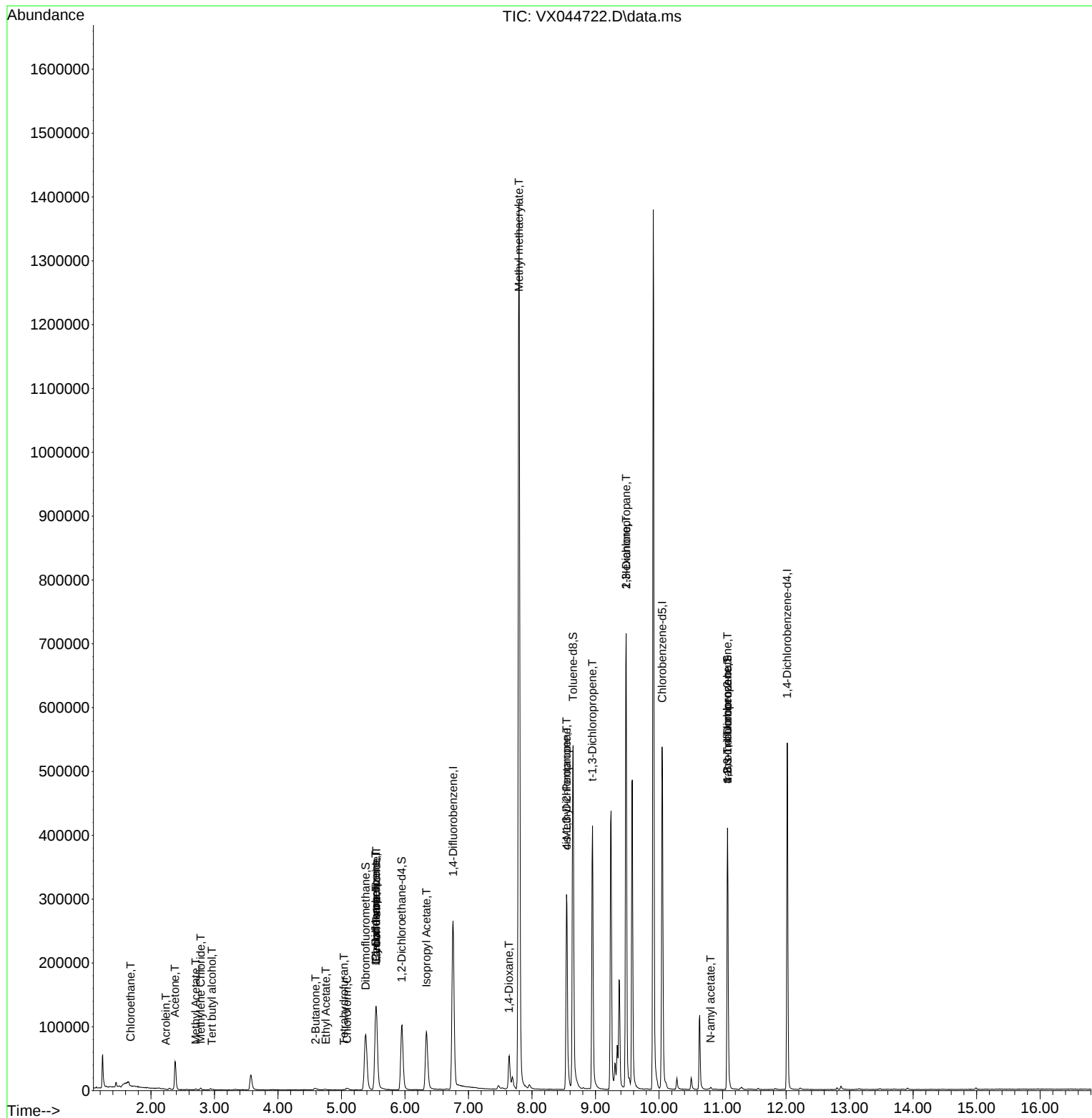
Internal Standards						
1) Pentafluorobenzene	5.544	168	125462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	282968	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	246246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	107516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103482	54.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.280%			
35) Dibromofluoromethane	5.379	113	78610	43.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.460%			
50) Toluene-d8	8.647	98	339884	54.225	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.440%			
62) 4-Bromofluorobenzene	11.079	95	122651	52.490	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.980%			
Target Compounds					Qvalue	
6) Chloroethane	1.678	64	590	1.784	ug/l #	69
11) Tert butyl alcohol	2.959	59	1567	3.712	ug/l #	85
13) Acrolein	2.233	56	156	0.785	ug/l #	80
16) Acetone	2.380	43	48823	65.163	ug/l	97
18) Methyl Acetate	2.703	43	1774	0.767	ug/l #	85
20) Methylene Chloride	2.782	84	1284	0.736	ug/l #	84
25) 2-Butanone	4.593	43	4909	4.407	ug/l #	85
29) Tetrahydrofuran	5.038	42	362	0.504	ug/l #	67
30) Chloroform	5.086	83	3355	1.128	ug/l	91
31) Cyclohexane	5.544	56	3104	1.302	ug/l #	24
36) 1,1-Dichloropropene	5.538	75	11180	4.468	ug/l #	49
37) Ethyl Acetate	4.751	43	1526	0.573	ug/l #	90
38) Carbon Tetrachloride	5.550	117	14039	4.988	ug/l #	16
43) Isopropyl Acetate	6.336	43	138214	28.194	ug/l	98
48) Methyl methacrylate	7.793	41	116677	51.274	ug/l #	42
49) 1,4-Dioxane	7.635	88	24	0.506	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	117609	43.412	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	942	0.299	ug/l #	44
54) cis-1,3-Dichloropropene	8.543	75	56574	16.573	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	6678	2.042	ug/l #	42
59) 2-Hexanone	9.482	43	91539	45.927	ug/l #	50
74) N-amyl acetate	10.811	43	947	0.219	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	60630	23.236	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	60630	53.138	ug/l #	12

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

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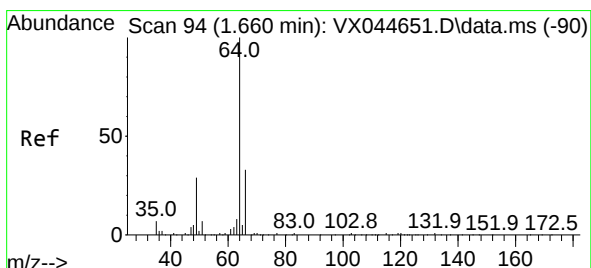
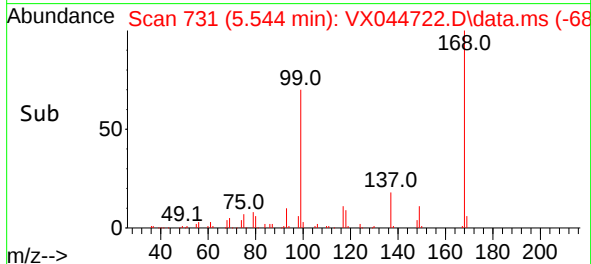
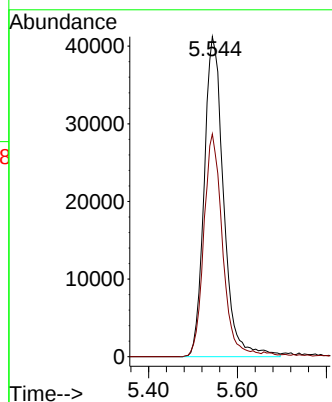
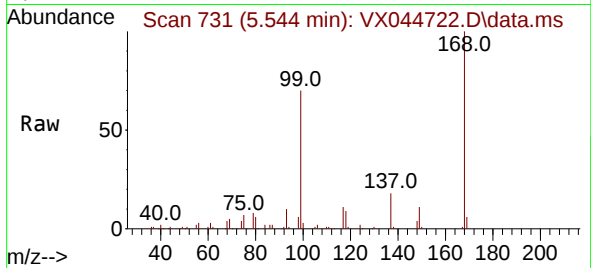




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

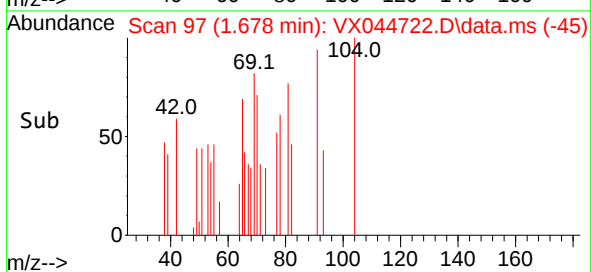
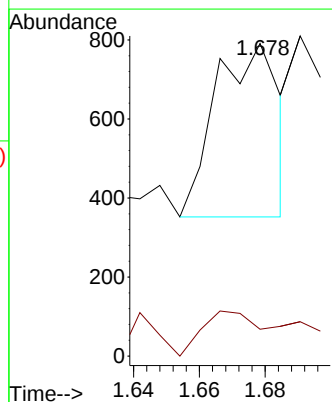
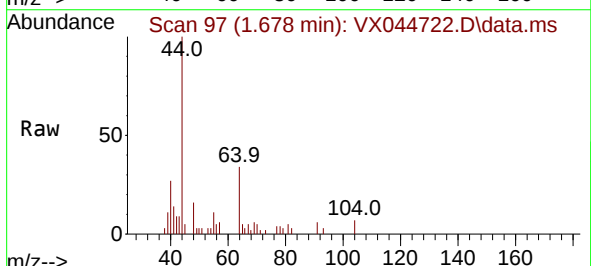
Instrument :
MSVOA_X
ClientSampleId :
PB166212TB

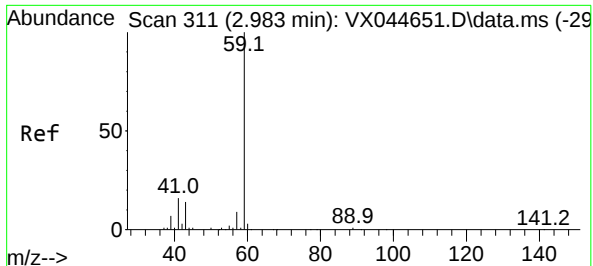
Tgt Ion:168 Resp: 125462
Ion Ratio Lower Upper
168 100
99 69.6 51.1 76.7



#6
Chloroethane
Concen: 1.784 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.018 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Tgt Ion: 64 Resp: 590
Ion Ratio Lower Upper
64 100
66 15.5 26.6 39.8#

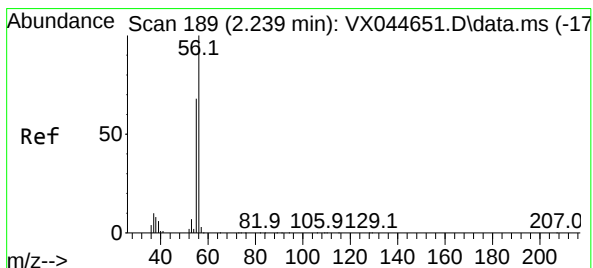
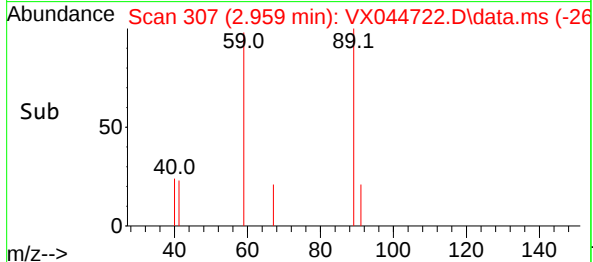
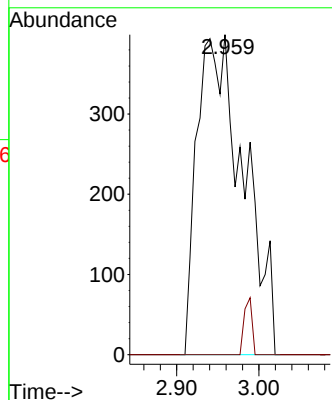
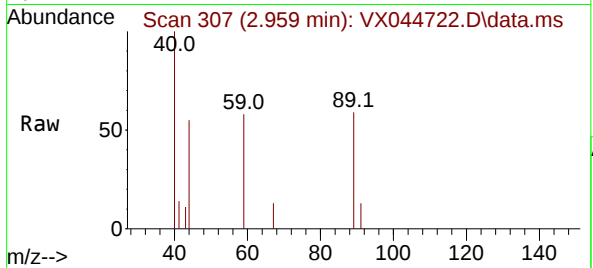




#11
Tert butyl alcohol
Concen: 3.712 ug/l
RT: 2.959 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

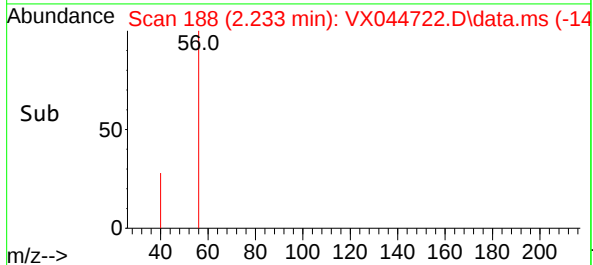
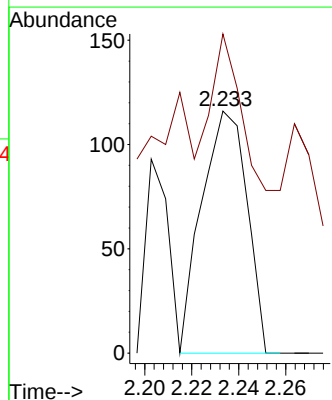
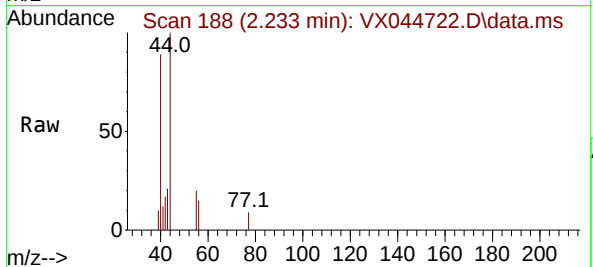
Instrument :
MSVOA_X
ClientSampleId :
PB166212TB

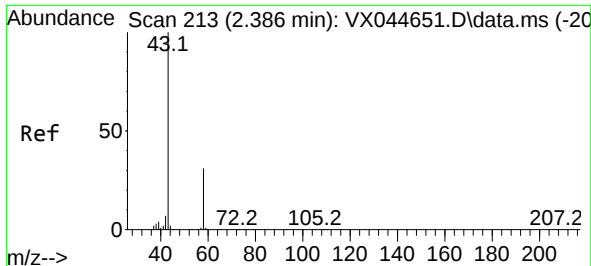
Tgt Ion: 59 Resp: 1567
Ion Ratio Lower Upper
59 100
57 0.0 3.9 5.9#



#13
Acrolein
Concen: 0.785 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 52.6 55.1 82.7#

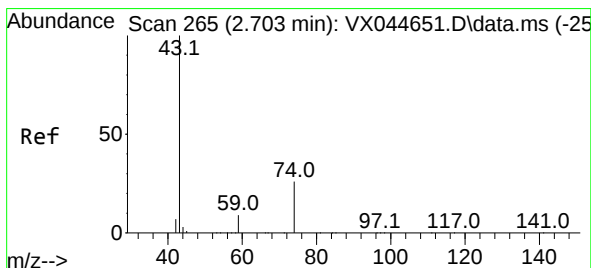
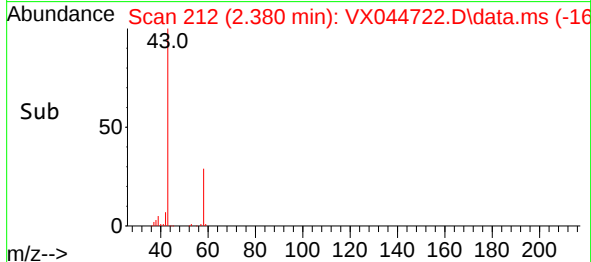
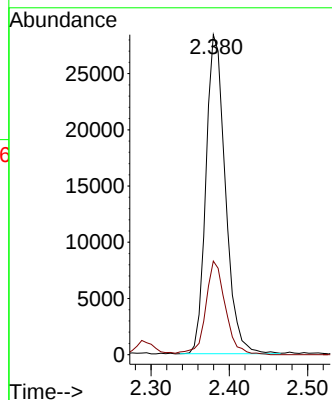
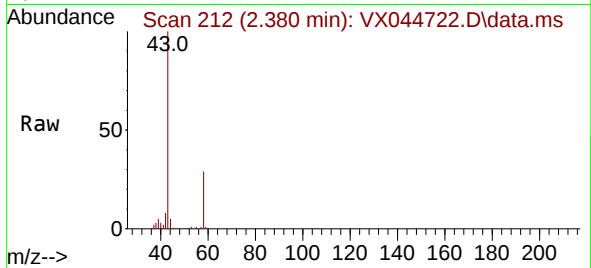




#16
Acetone
Concen: 65.163 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

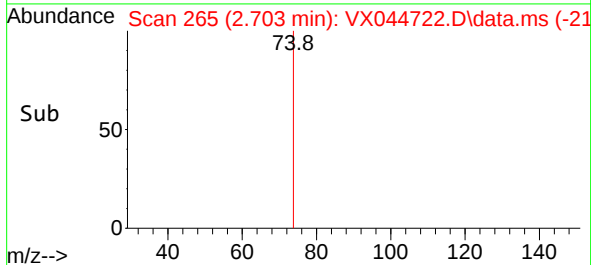
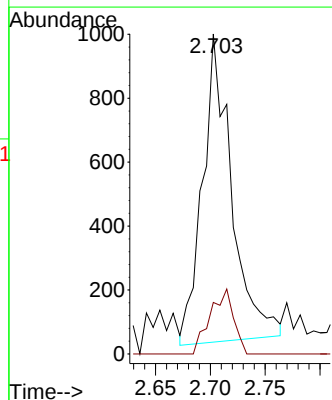
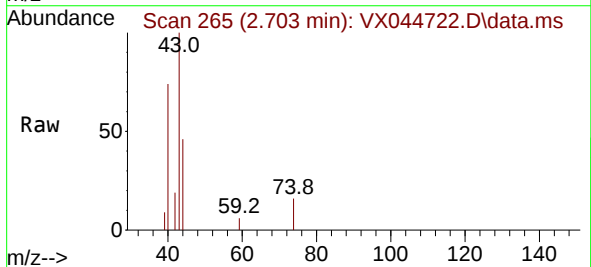
Instrument :
MSVOA_X
ClientSampleId :
PB166212TB

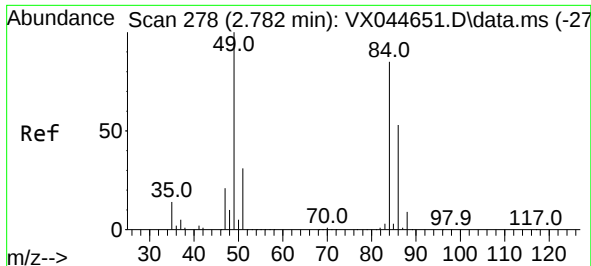
Tgt Ion: 43 Resp: 48823
Ion Ratio Lower Upper
43 100
58 29.3 24.6 37.0



#18
Methyl Acetate
Concen: 0.767 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Tgt Ion: 43 Resp: 1774
Ion Ratio Lower Upper
43 100
74 17.1 19.8 29.8#

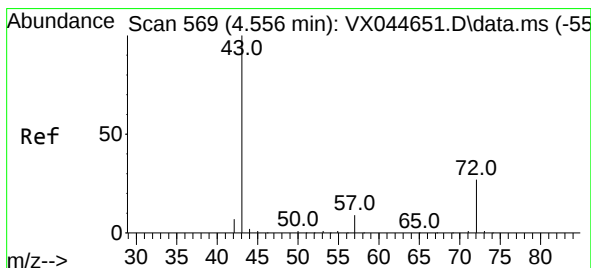
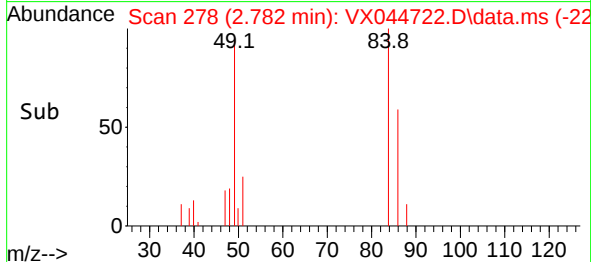
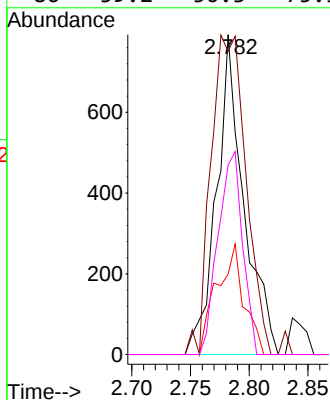
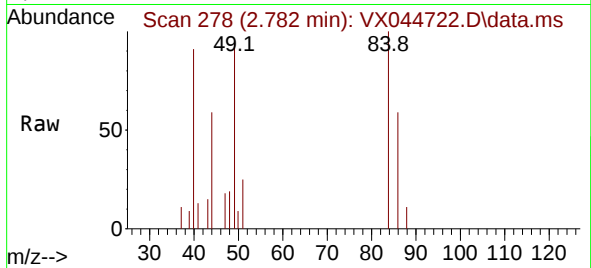




#20
Methylene Chloride
Concen: 0.736 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

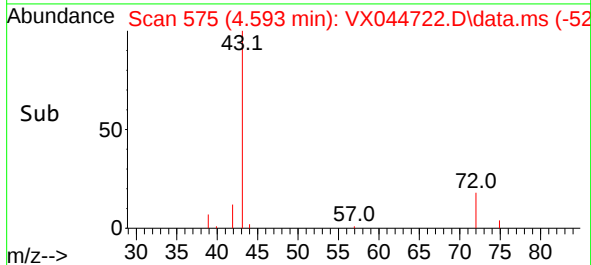
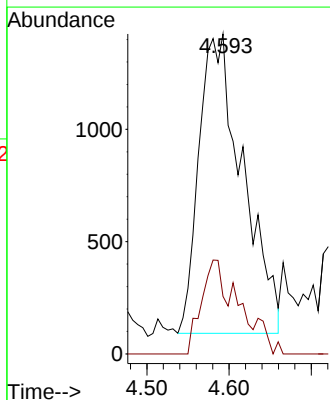
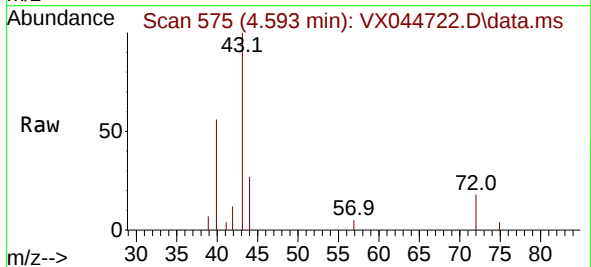
Instrument :
MSVOA_X
ClientSampleId :
PB166212TB

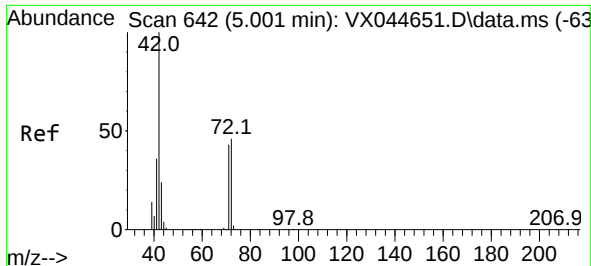
Tgt Ion:	84	Resp:	1284
Ion	Ratio	Lower	Upper
84	100		
49	94.8	94.2	141.4
51	25.1	28.8	43.2#
86	59.2	50.3	75.5



#25
2-Butanone
Concen: 4.407 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Tgt Ion:	43	Resp:	4909
Ion	Ratio	Lower	Upper
43	100		
72	19.2	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.504 ug/l

RT: 5.038 min Scan# 642

Delta R.T. 0.037 min

Lab File: VX044722.D

Acq: 27 Jan 2025 14:32

Instrument :

MSVOA_X

ClientSampleId :

PB166212TB

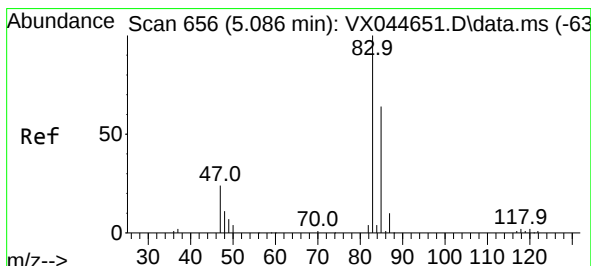
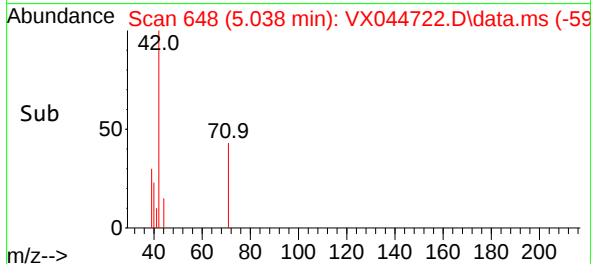
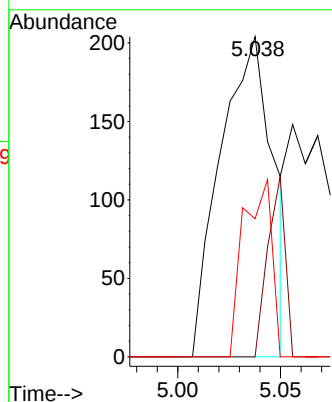
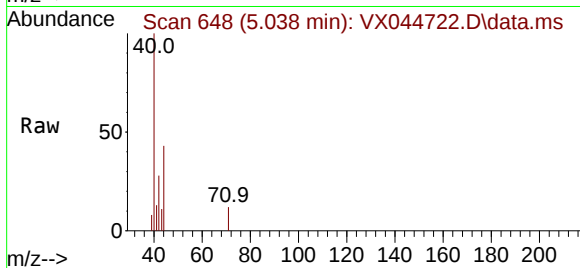
Tgt Ion: 42 Resp: 362

Ion Ratio Lower Upper

42 100

72 18.8 38.2 57.4#

71 29.8 35.3 52.9#



#30

Chloroform

Concen: 1.128 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044722.D

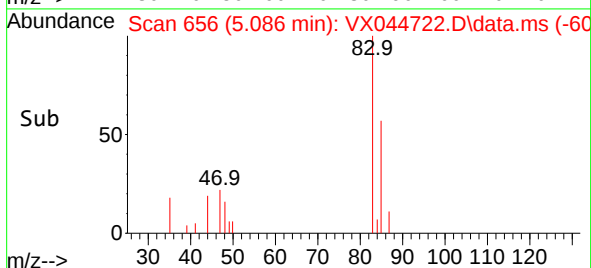
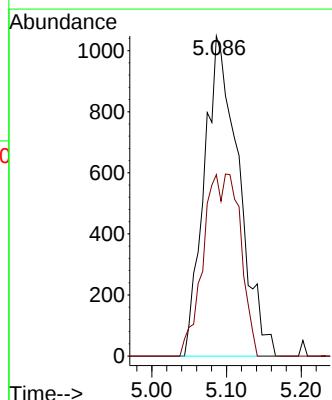
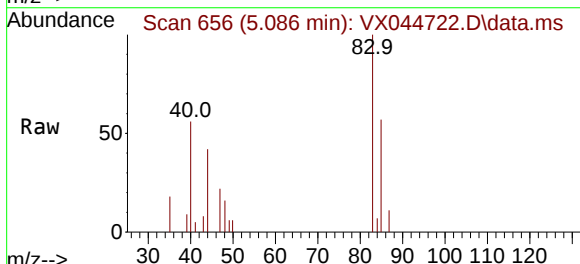
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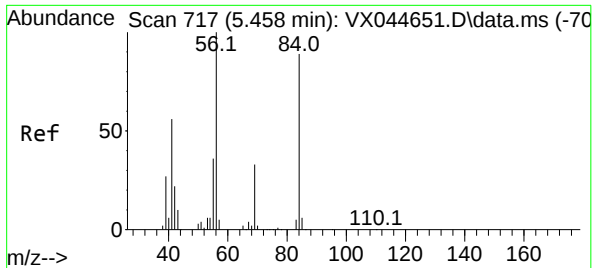
Tgt Ion: 83 Resp: 3355

Ion Ratio Lower Upper

83 100

85 56.7 51.2 76.8

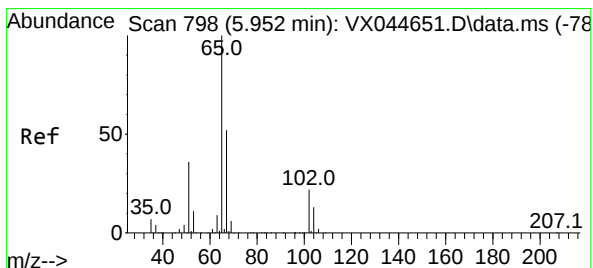
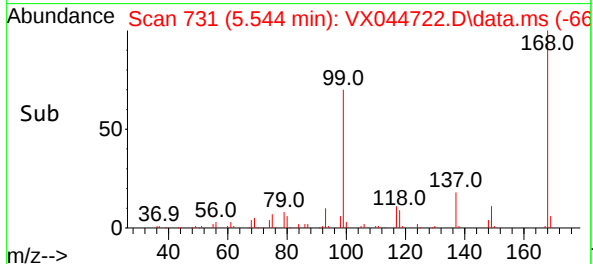
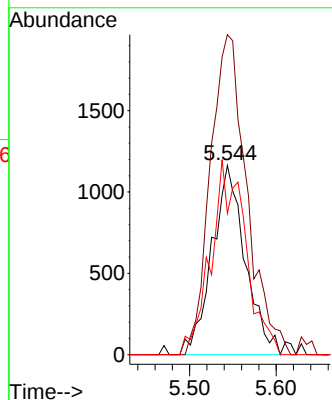
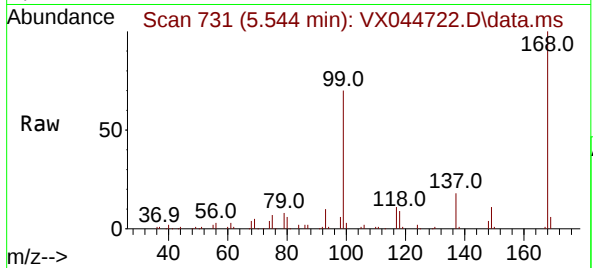




#31
Cyclohexane
Concen: 1.302 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

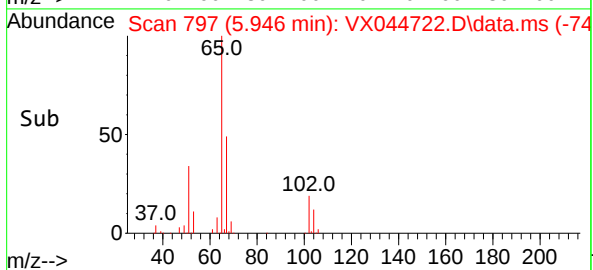
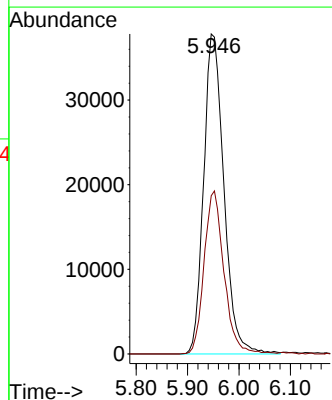
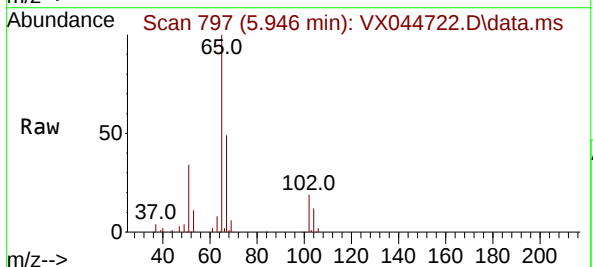
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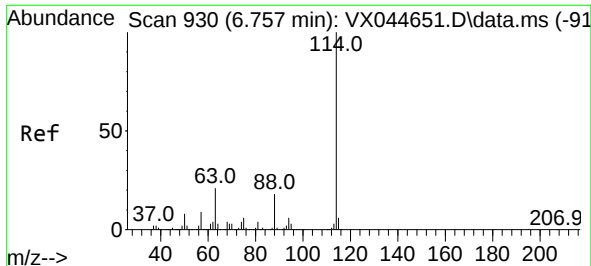
Tgt Ion: 56 Resp: 3104
Ion Ratio Lower Upper
56 100
69 169.0 26.8 40.2#
84 74.6 71.0 106.4



#33
1,2-Dichloroethane-d4
Concen: 54.644 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Tgt Ion: 65 Resp: 103482
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.4

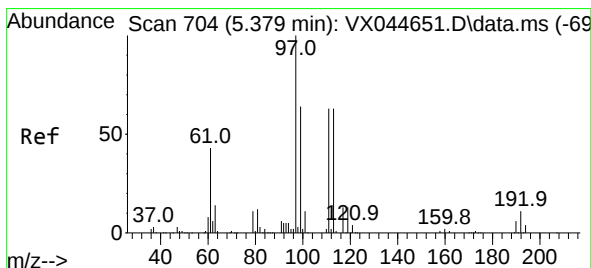
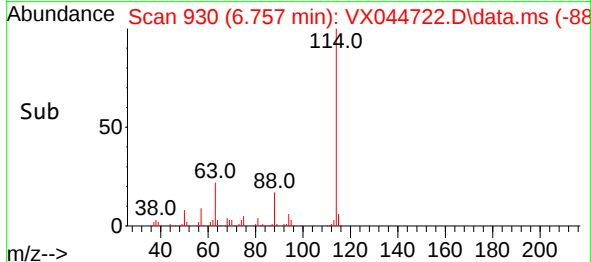
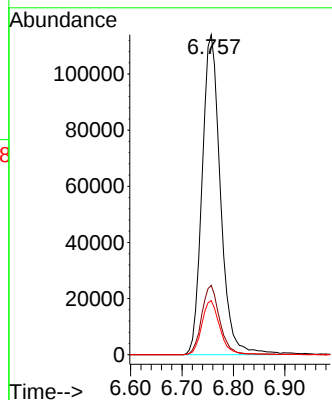
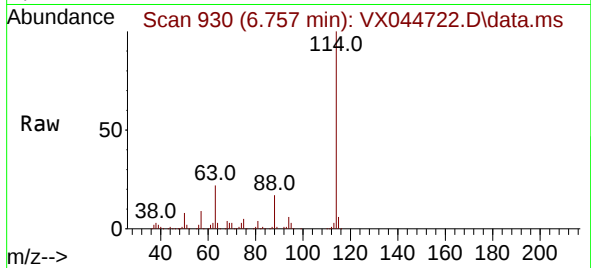




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

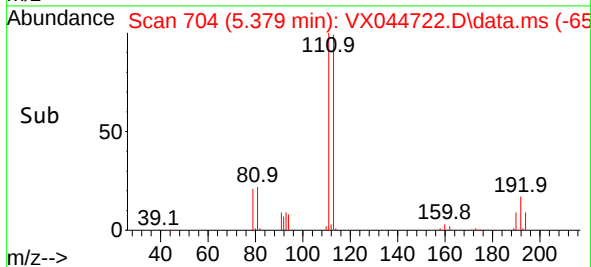
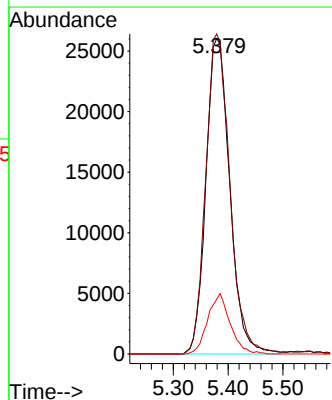
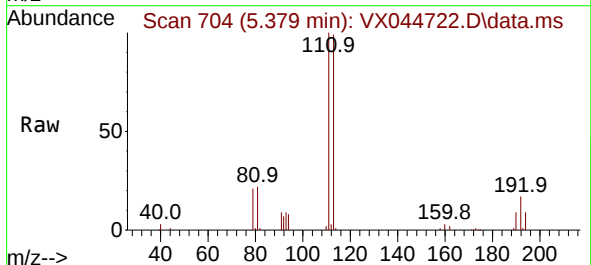
Instrument :
MSVOA_X
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PB166212TB

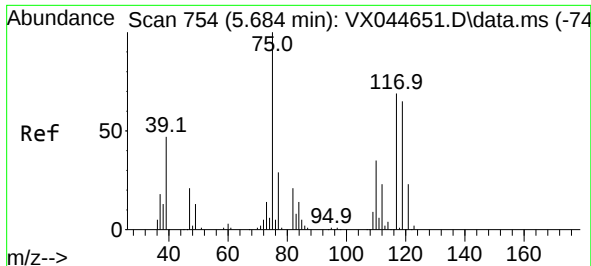
Tgt Ion:114 Resp: 282968
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.0
88 16.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 43.729 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Tgt Ion:113 Resp: 78610
Ion Ratio Lower Upper
113 100
111 102.6 81.6 122.4
192 18.0 14.4 21.6

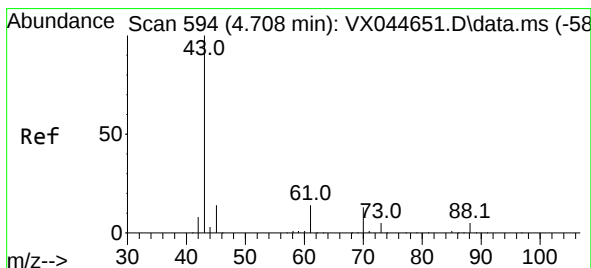
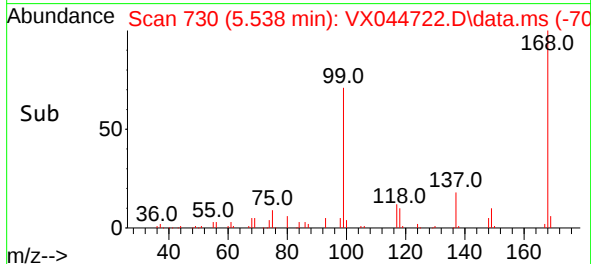
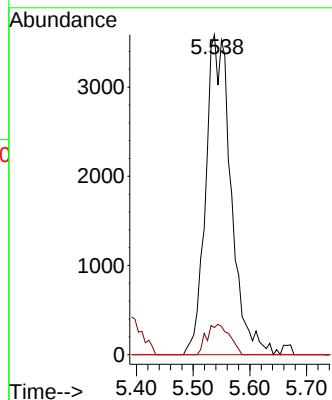
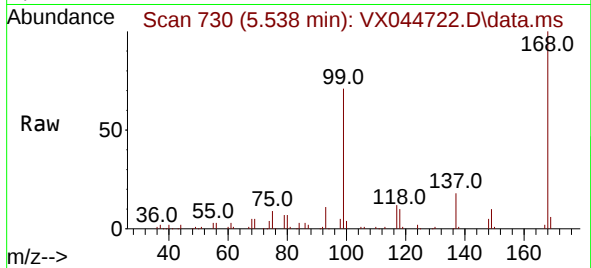




#36
1,1-Dichloropropene
Concen: 4.468 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

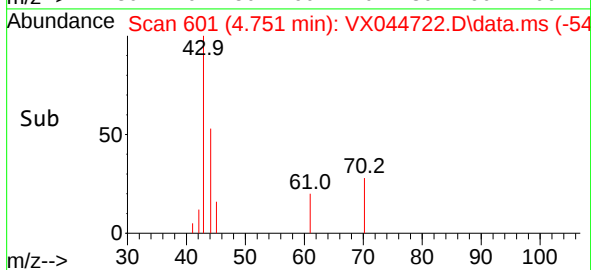
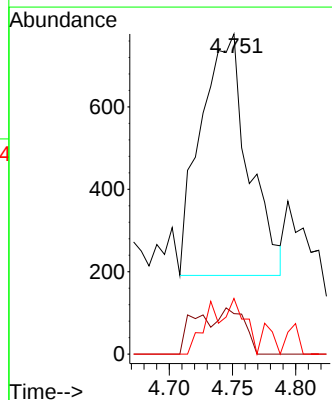
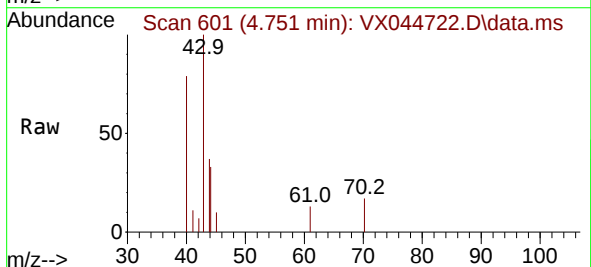
Instrument :
MSVOA_X
ClientSampleId :
PB166212TB

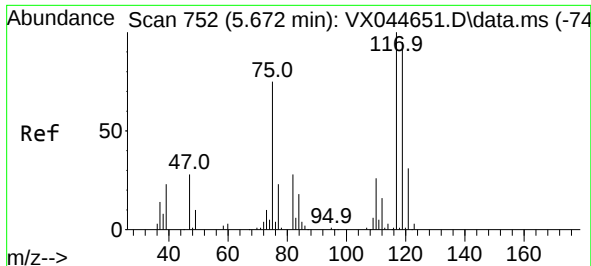
Tgt Ion: 75 Resp: 11180
Ion Ratio Lower Upper
75 100
110 8.5 17.9 53.8#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 0.573 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.043 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

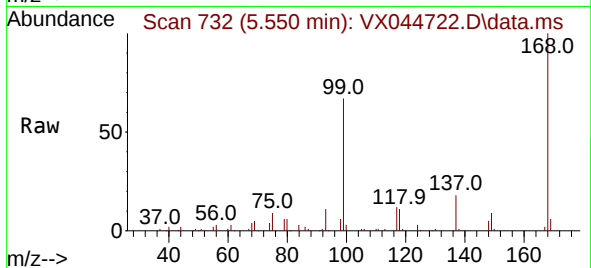
Tgt Ion: 43 Resp: 1526
Ion Ratio Lower Upper
43 100
61 10.6 10.9 16.3#
70 7.3 10.1 15.1#



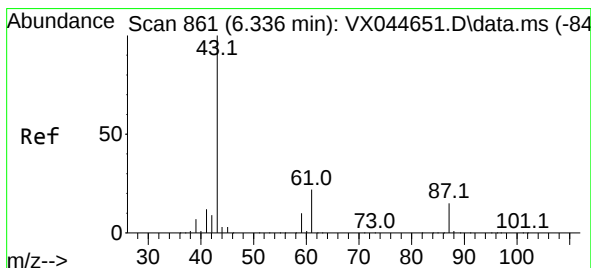
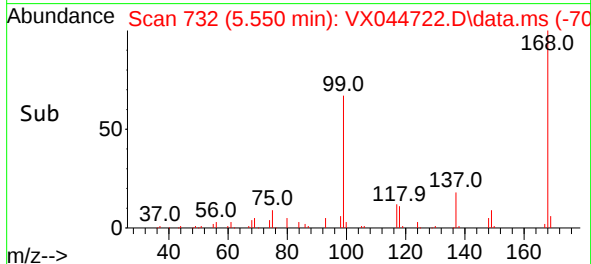
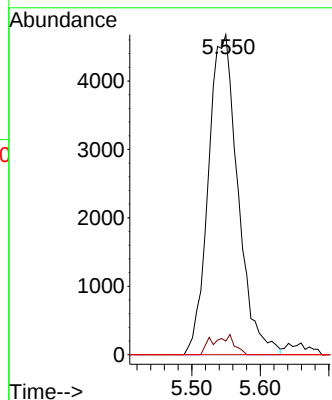


#38
Carbon Tetrachloride
Concen: 4.988 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Instrument :
MSVOA_X
ClientSampleId :
PB166212TB

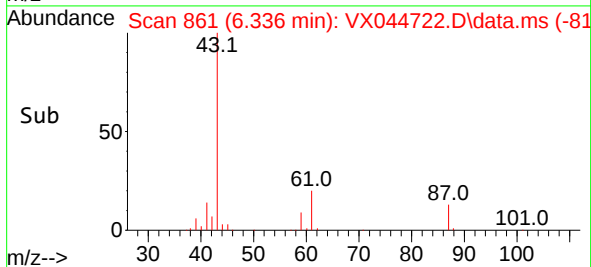
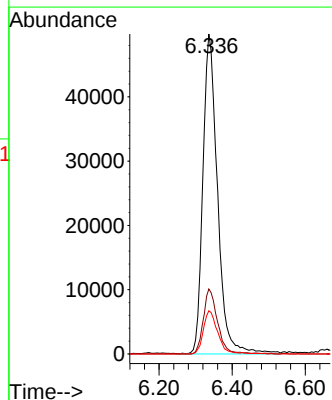
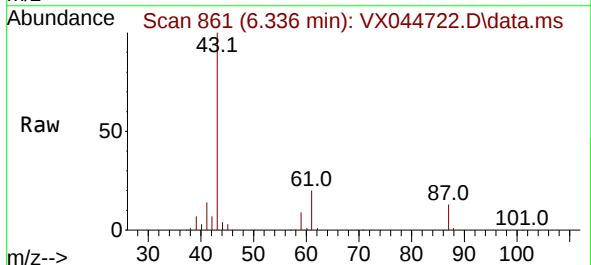


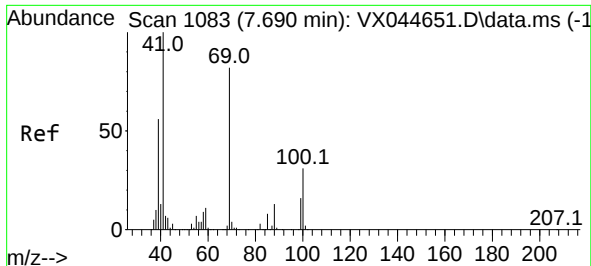
Tgt Ion:117 Resp: 14039
Ion Ratio Lower Upper
117 100
119 4.3 76.0 114.0#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 28.194 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Tgt Ion: 43 Resp: 138214
Ion Ratio Lower Upper
43 100
61 19.5 16.6 24.8
87 13.0 11.0 16.6





#48

Methyl methacrylate

Concen: 51.274 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX044722.D

Acq: 27 Jan 2025 14:32

Instrument :

MSVOA_X

ClientSampleId :

PB166212TB

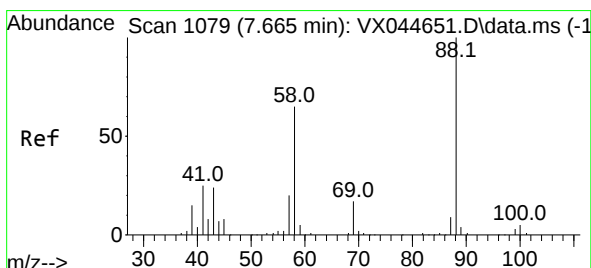
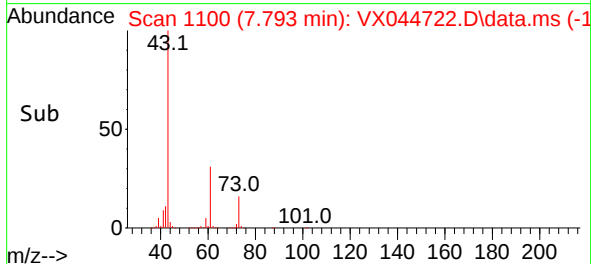
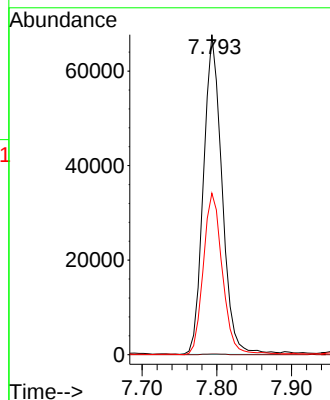
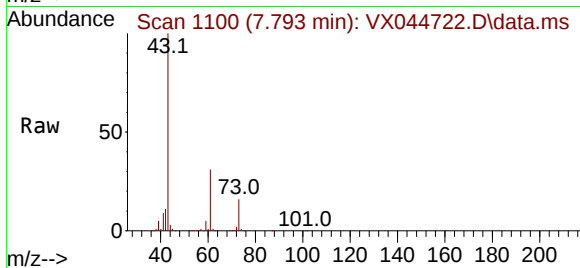
Tgt Ion: 41 Resp: 116677

Ion Ratio Lower Upper

41 100

69 0.2 66.8 100.2#

39 51.7 47.4 71.0



#49

1,4-Dioxane

Concen: 0.506 ug/l

RT: 7.635 min Scan# 1074

Delta R.T. -0.030 min

Lab File: VX044722.D

Acq: 27 Jan 2025 14:32

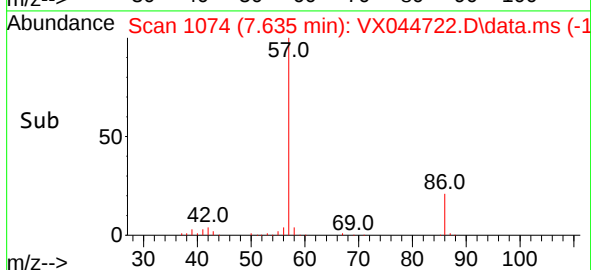
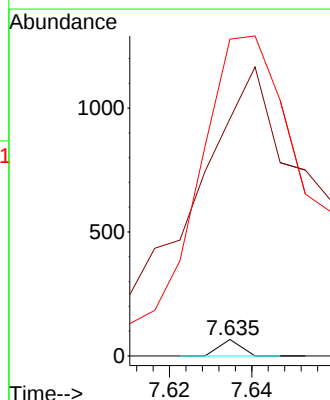
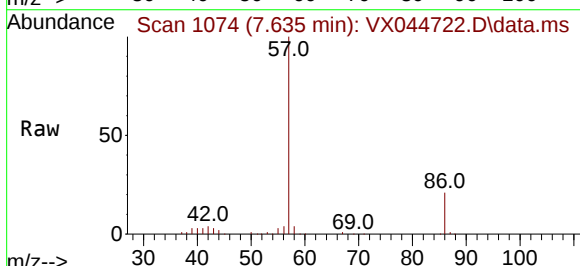
Tgt Ion: 88 Resp: 24

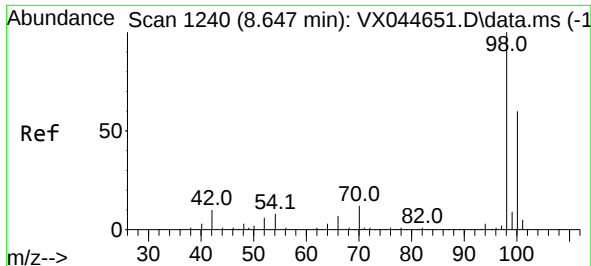
Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

58 11283.3 55.8 83.8#

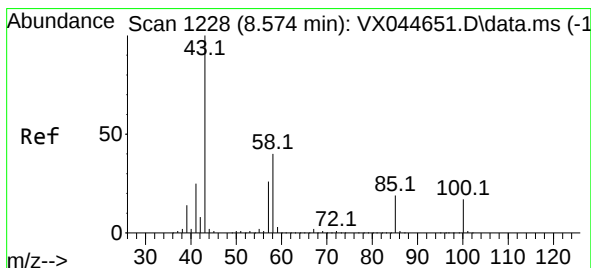
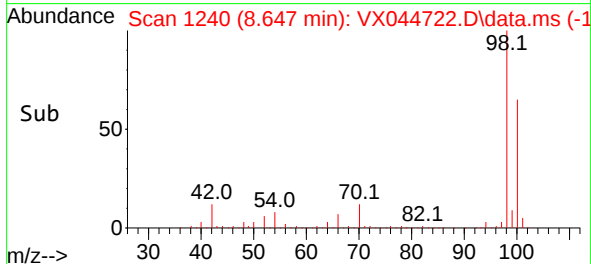
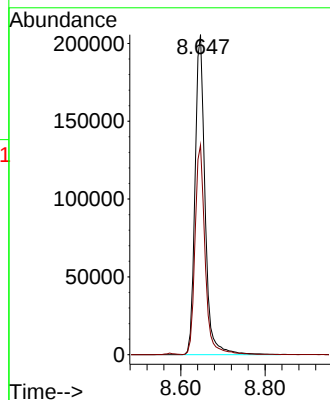
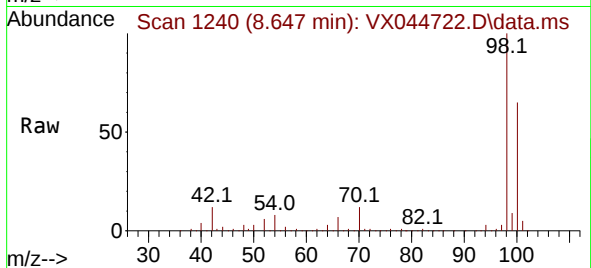




#50
Toluene-d8
Concen: 54.225 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

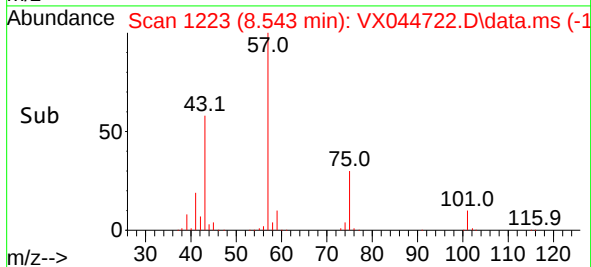
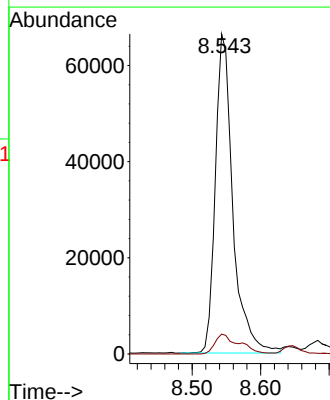
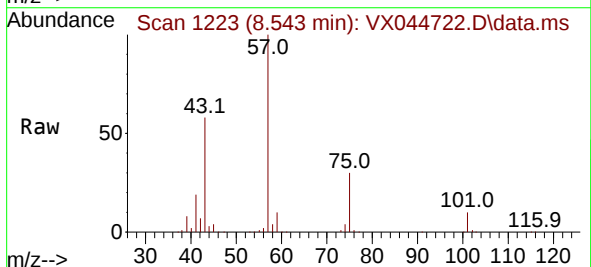
Instrument :
MSVOA_X
ClientSampleId :
PB166212TB

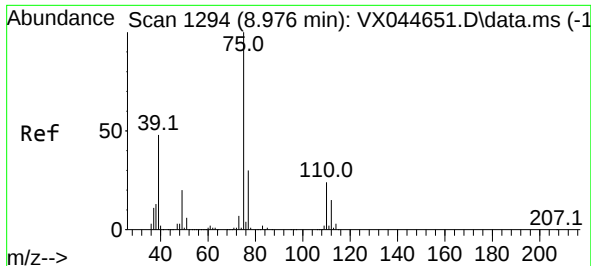
Tgt Ion: 98 Resp: 339884
Ion Ratio Lower Upper
98 100
100 65.8 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 43.412 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Tgt Ion: 43 Resp: 117609
Ion Ratio Lower Upper
43 100
58 8.6 31.9 47.9#

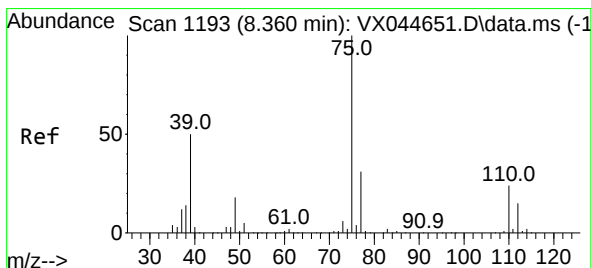
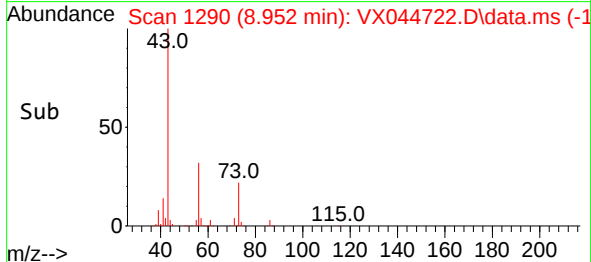
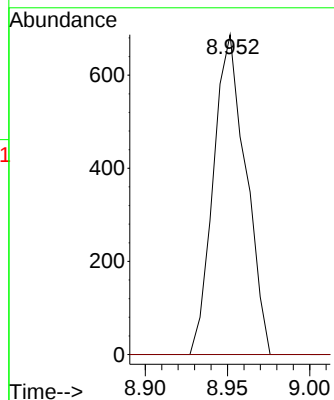
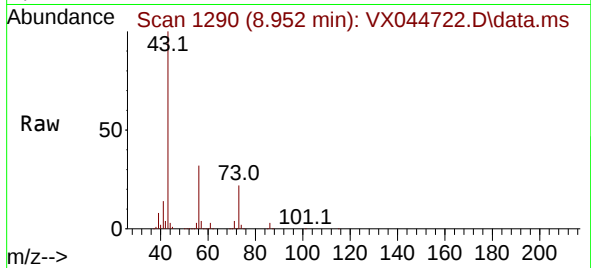




#53
 t-1,3-Dichloropropene
 Concen: 0.299 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX044722.D
 Acq: 27 Jan 2025 14:32

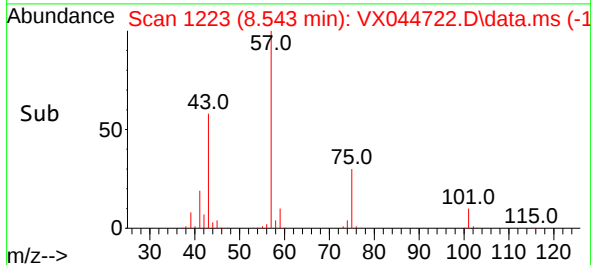
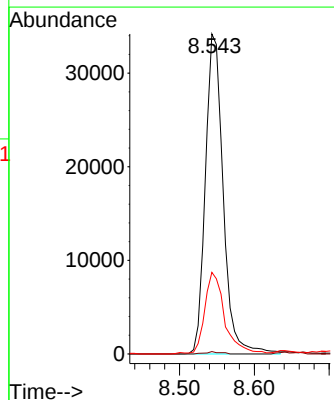
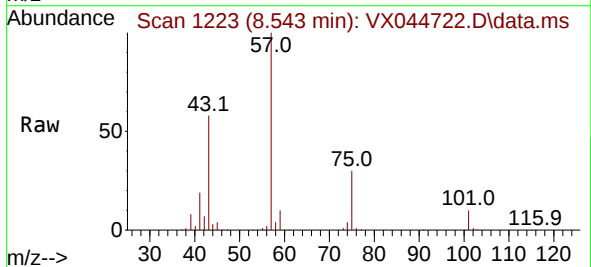
Instrument :
 MSVOA_X
 ClientSampleId :
 PB166212TB

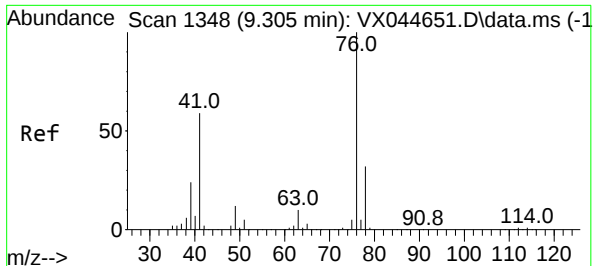
Tgt Ion: 75 Resp: 942
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.4 36.6#



#54
 cis-1,3-Dichloropropene
 Concen: 16.573 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.183 min
 Lab File: VX044722.D
 Acq: 27 Jan 2025 14:32

Tgt Ion: 75 Resp: 56574
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.1 37.7#
 39 25.0 40.3 60.5#





#57

1,3-Dichloropropane

Concen: 2.042 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX044722.D

Acq: 27 Jan 2025 14:32

Instrument :

MSVOA_X

ClientSampleId :

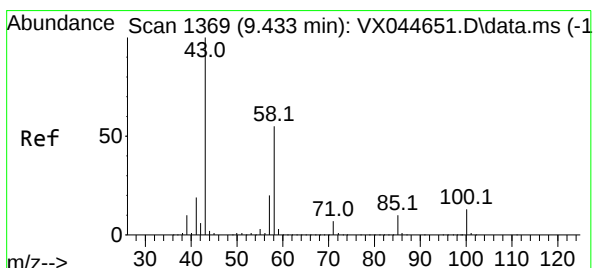
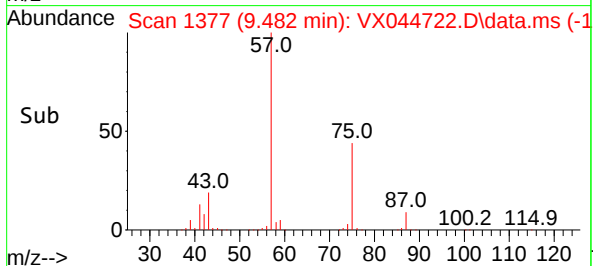
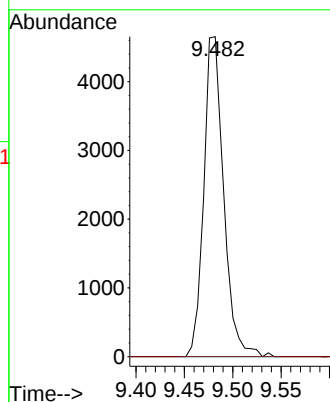
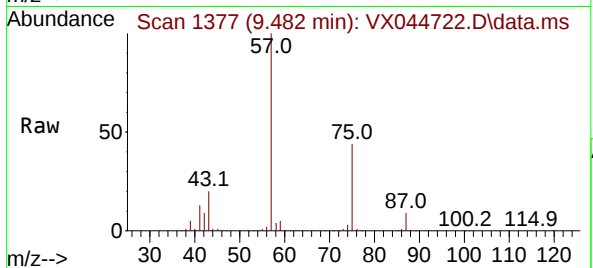
PB166212TB

Tgt Ion: 76 Resp: 6678

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 45.927 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX044722.D

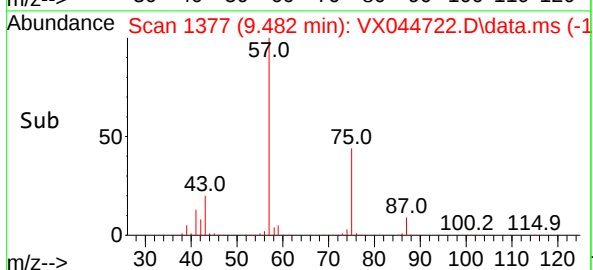
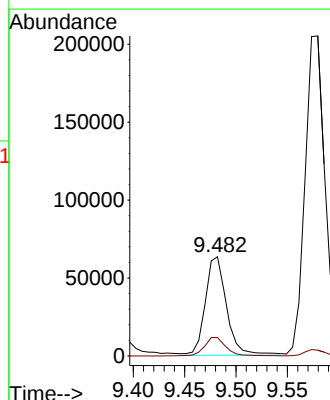
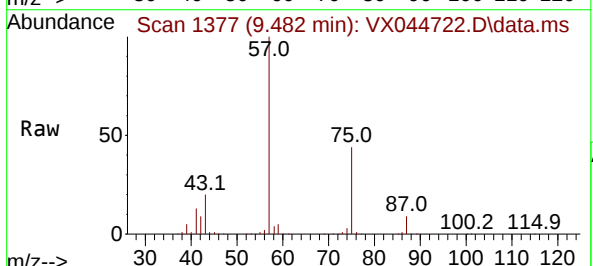
Acq: 27 Jan 2025 14:32

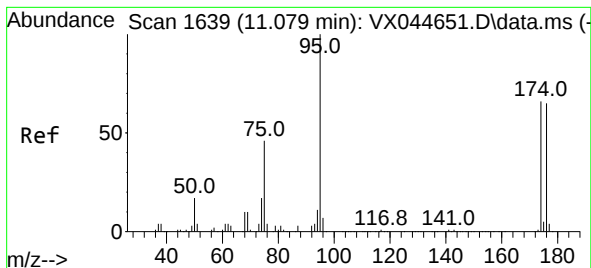
Tgt Ion: 43 Resp: 91539

Ion Ratio Lower Upper

43 100

58 19.5 27.8 83.3#

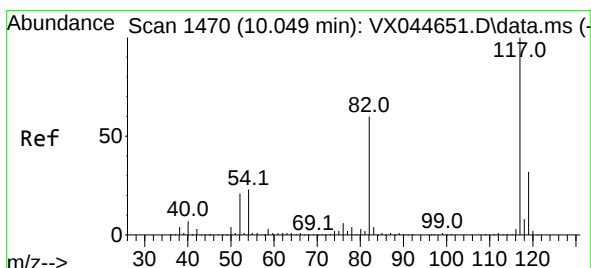
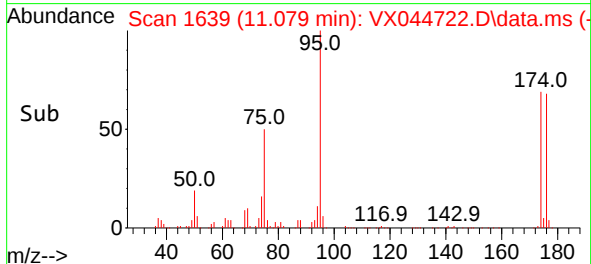
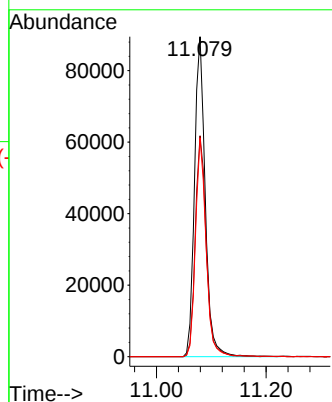
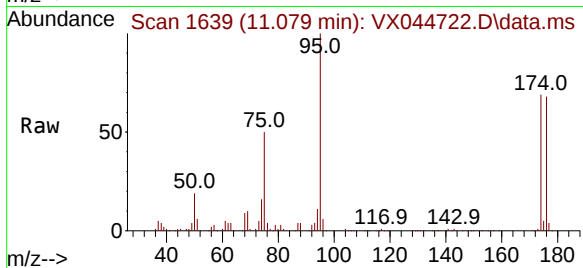




#62
4-Bromofluorobenzene
Concen: 52.490 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

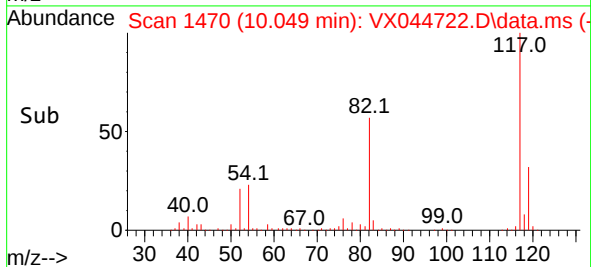
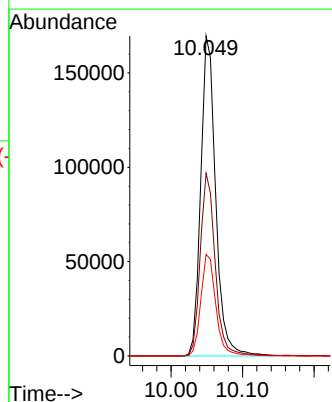
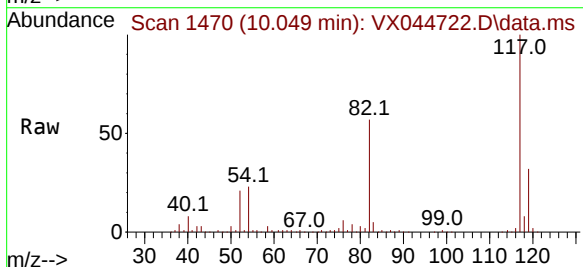
Instrument :
MSVOA_X
ClientSampleId :
PB166212TB

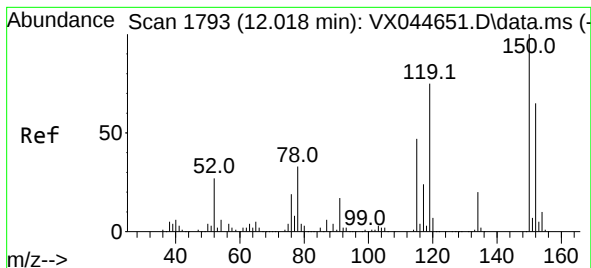
Tgt Ion: 95 Resp: 122651
Ion Ratio Lower Upper
95 100
174 70.4 0.0 133.0
176 67.0 0.0 129.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Tgt Ion: 117 Resp: 246246
Ion Ratio Lower Upper
117 100
82 57.1 47.6 71.4
119 31.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044722.D

Acq: 27 Jan 2025 14:32

Instrument :

MSVOA_X

ClientSampleId :

PB166212TB

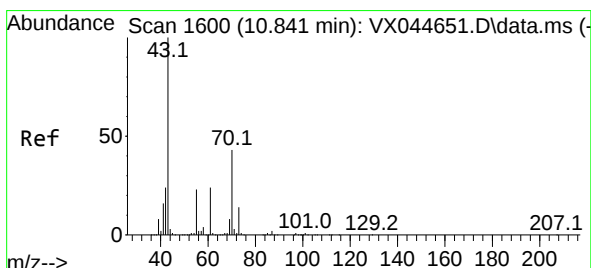
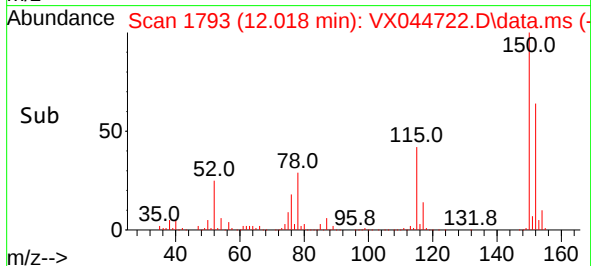
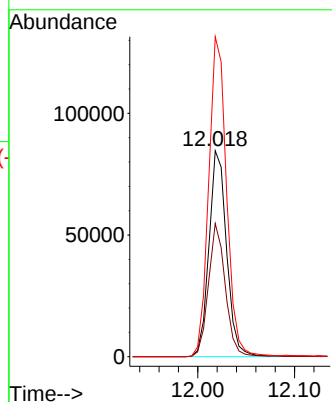
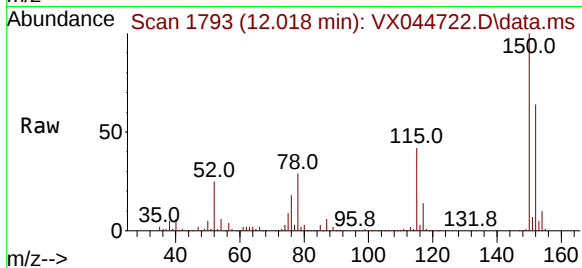
Tgt Ion:152 Resp: 107516

Ion Ratio Lower Upper

152 100

115 62.3 43.8 131.4

150 156.8 0.0 347.8



#74

N-ethyl acetate

Concen: 0.219 ug/l

RT: 10.811 min Scan# 1595

Delta R.T. -0.030 min

Lab File: VX044722.D

Acq: 27 Jan 2025 14:32

Tgt Ion: 43 Resp: 947

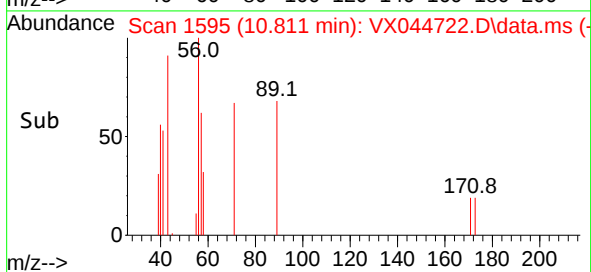
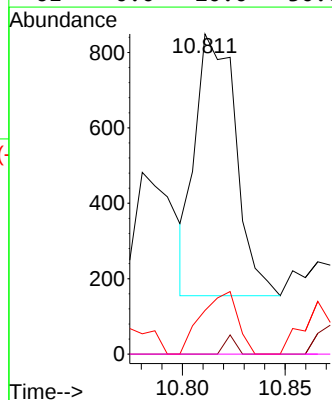
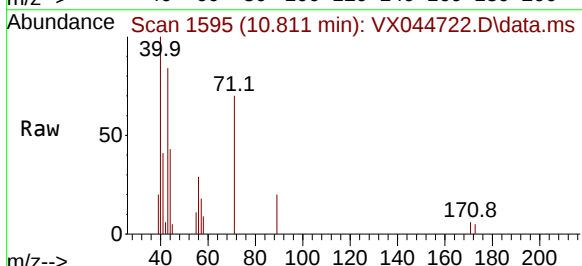
Ion Ratio Lower Upper

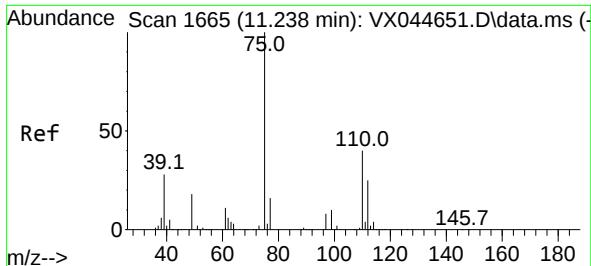
43 100

70 0.0 35.2 52.8#

55 21.6 19.0 28.4

61 0.0 20.0 30.0#

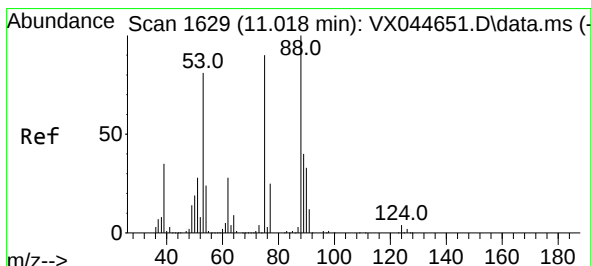
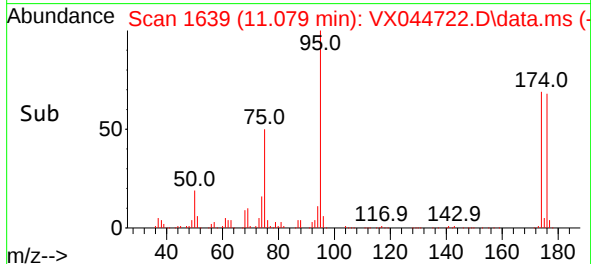
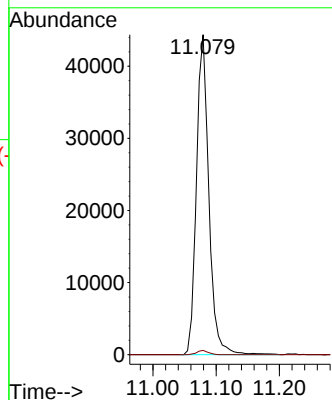
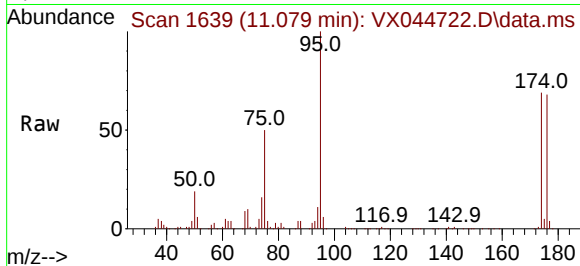




#76
1,2,3-Trichloropropane
Concen: 23.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Instrument :
MSVOA_X
ClientSampleId :
PB166212TB

Tgt Ion: 75 Resp: 60630
Ion Ratio Lower Upper
75 100
77 1.2 23.4 70.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.138 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044722.D
Acq: 27 Jan 2025 14:32

Tgt Ion: 75 Resp: 60630
Ion Ratio Lower Upper
75 100
53 0.0 74.3 111.5#
89 0.0 37.4 56.0#

