

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046220.D
 Acq On : 15 May 2025 17:41
 Operator : JC/MD
 Sample : Q2032-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: May 16 01:09:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

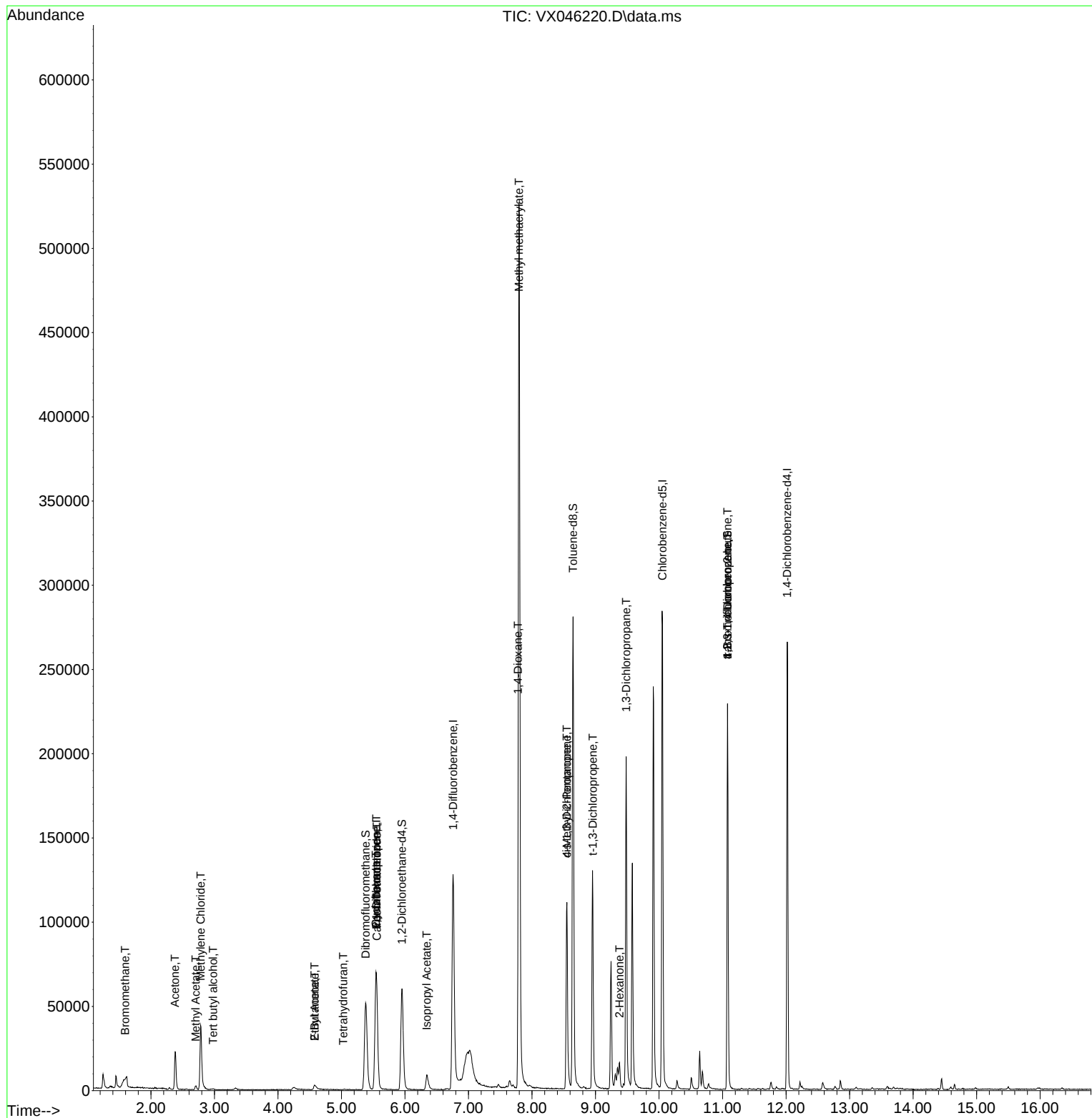
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	60792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124950	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63320	55.869	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.740%	
35) Dibromofluoromethane	5.379	113	45972	51.093	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.180%	
50) Toluene-d8	8.647	98	158281	50.825	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	11.079	95	58875	49.285	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.580%	
Target Compounds						Qvalue
5) Bromomethane	1.593	94	99	0.254	ug/l #	4
11) Tert butyl alcohol	2.977	59	713	4.482	ug/l #	72
16) Acetone	2.379	43	25113	55.263	ug/l	100
18) Methyl Acetate	2.703	43	2985	2.831	ug/l	95
20) Methylene Chloride	2.782	84	17853	20.501	ug/l	96
25) 2-Butanone	4.574	43	6323	9.584	ug/l	93
29) Tetrahydrofuran	5.025	42	150	0.363	ug/l #	35
31) Cyclohexane	5.543	56	1818	1.346	ug/l #	14
36) 1,1-Dichloropropene	5.550	75	6051	5.005	ug/l #	52
37) Ethyl Acetate	4.574	43	6323	4.233	ug/l #	70
38) Carbon Tetrachloride	5.556	117	7106	5.231	ug/l #	15
43) Isopropyl Acetate	6.342	43	13487	5.919	ug/l	95
48) Methyl methacrylate	7.793	41	52868	45.430	ug/l #	50
49) 1,4-Dioxane	7.781	88	21	0.950	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	43273	28.610	ug/l #	51
53) t-1,3-Dichloropropene	8.957	75	290	0.239	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	17068	12.702	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1505	0.979	ug/l #	42
59) 2-Hexanone	9.378	43	13457	12.026	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	34182	28.532	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34182	92.892	ug/l #	1

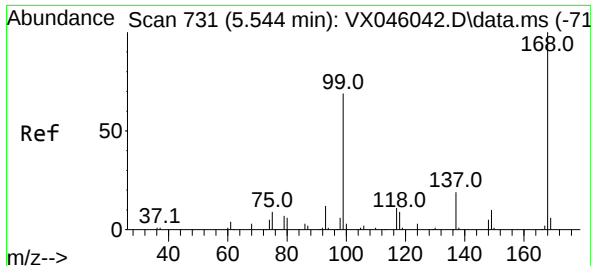
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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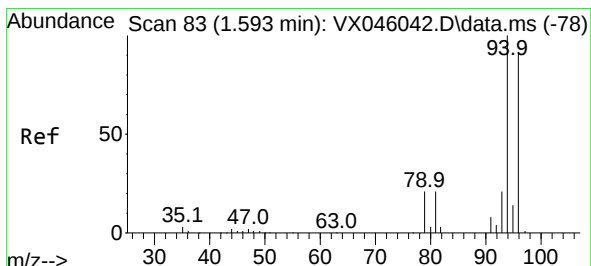
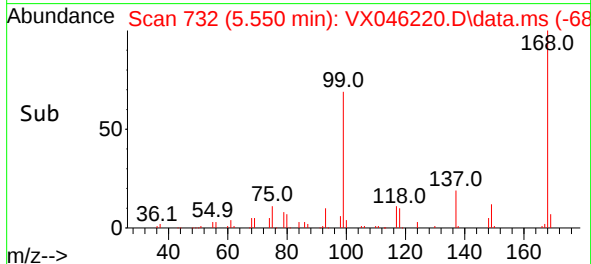
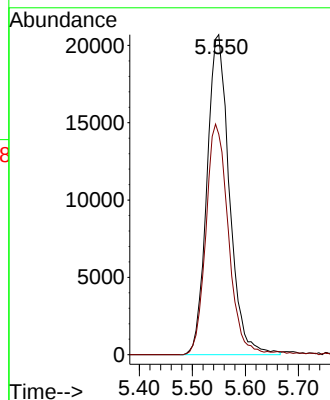
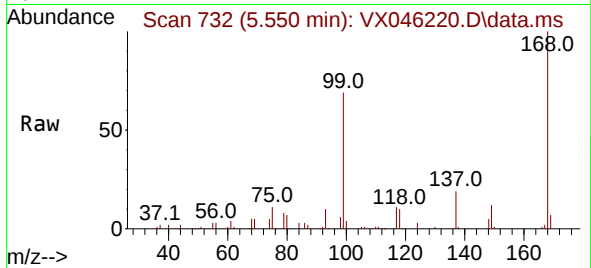




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

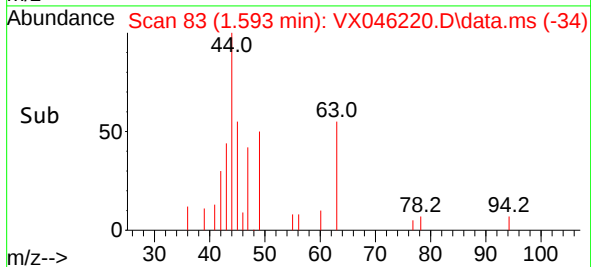
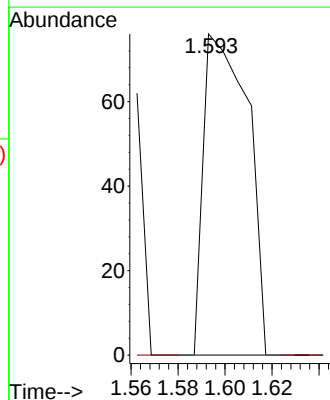
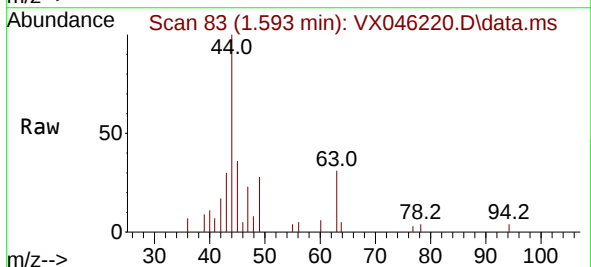
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

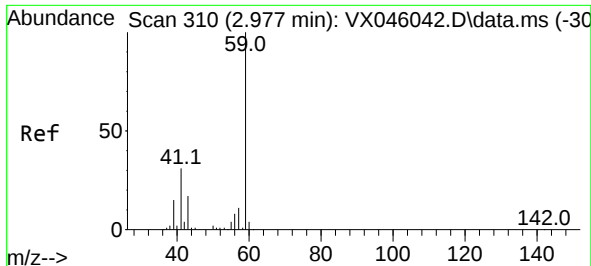
Tgt Ion:168 Resp: 60792
Ion Ratio Lower Upper
168 100
99 68.9 54.9 82.3



#5
Bromomethane
Concen: 0.254 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

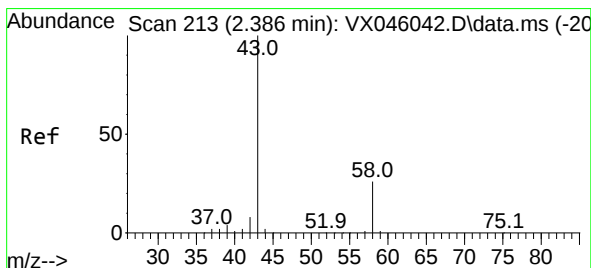
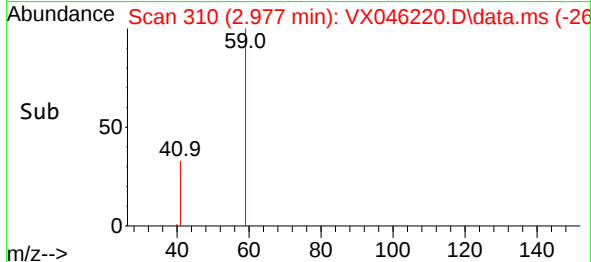
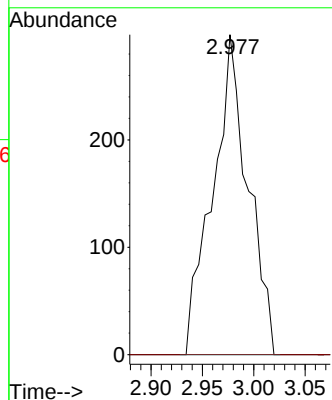
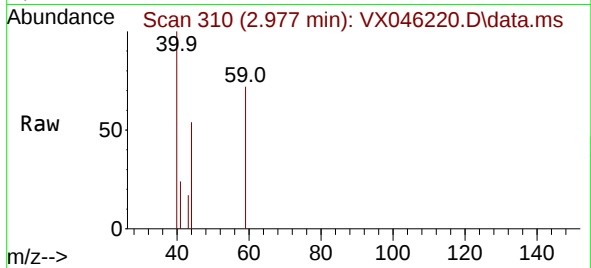




#11
Tert butyl alcohol
Concen: 4.482 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

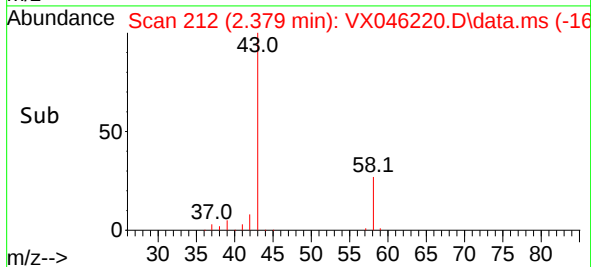
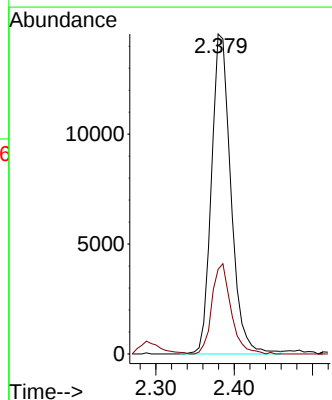
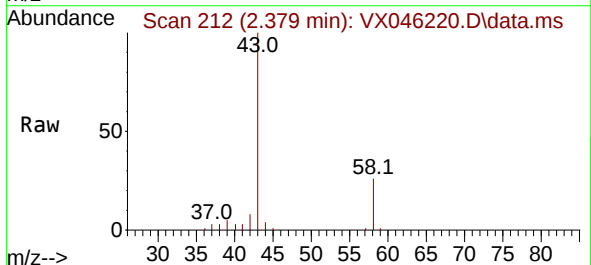
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

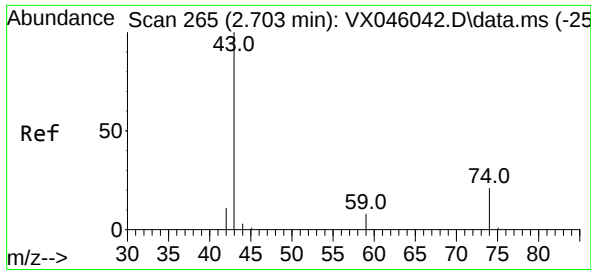
Tgt Ion: 59 Resp: 713
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 55.263 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 43 Resp: 25113
Ion Ratio Lower Upper
43 100
58 26.5 21.2 31.8

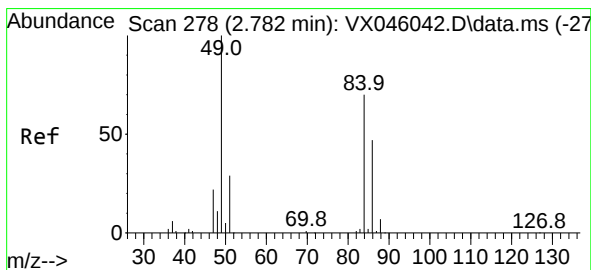
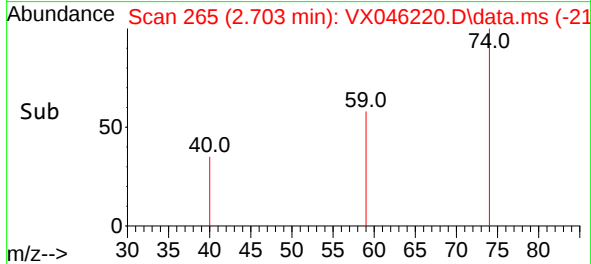
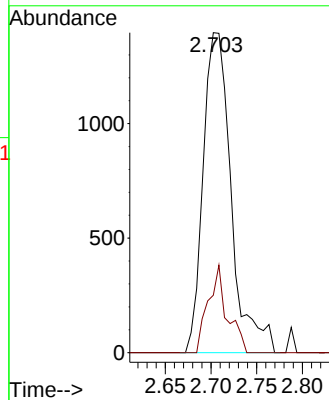
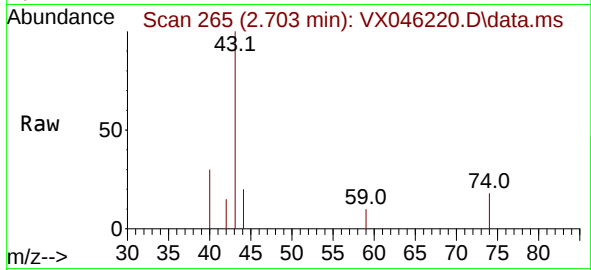




#18
Methyl Acetate
Concen: 2.831 ug/l
RT: 2.703 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

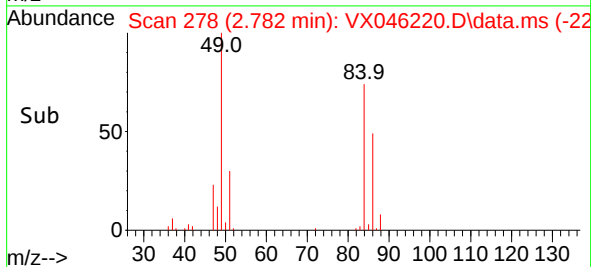
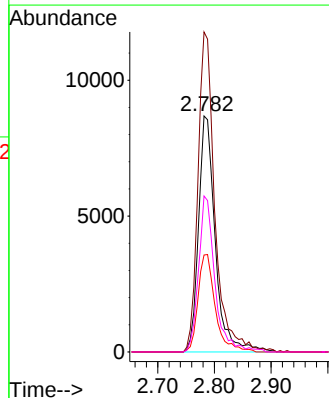
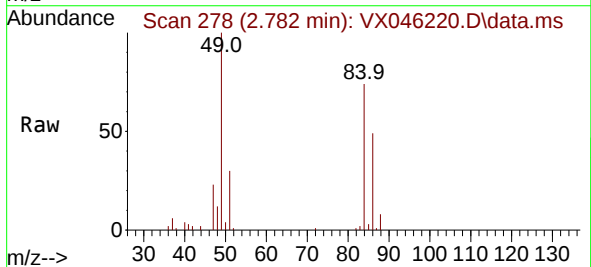
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

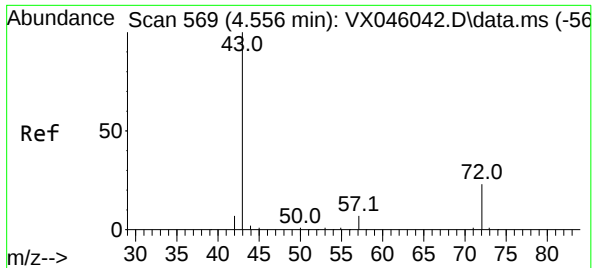
Tgt Ion: 43 Resp: 2985
Ion Ratio Lower Upper
43 100
74 18.5 16.7 25.1



#20
Methylene Chloride
Concen: 20.501 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 84 Resp: 17853
Ion Ratio Lower Upper
84 100
49 135.6 113.9 170.9
51 41.1 33.5 50.3
86 66.1 53.8 80.8

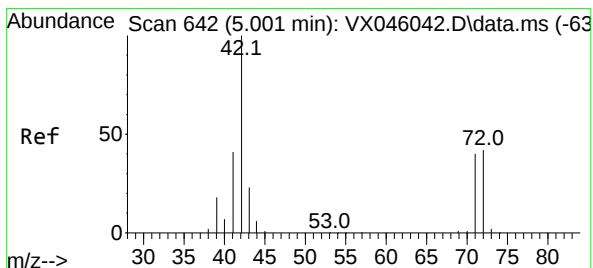
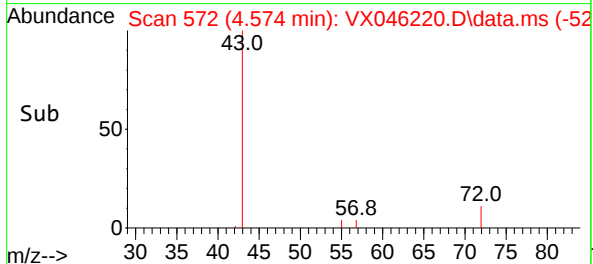
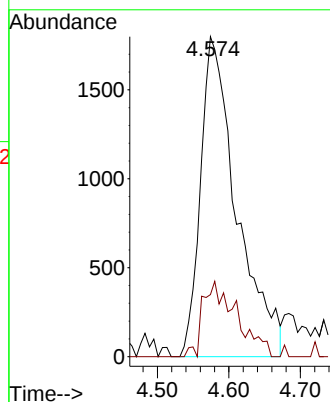
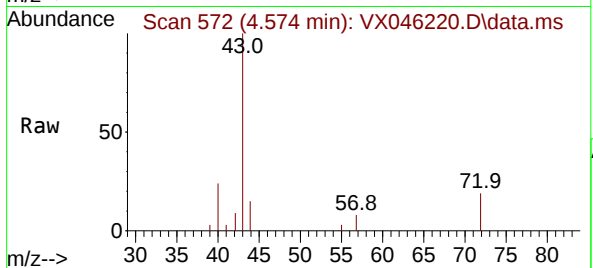




#25
2-Butanone
Concen: 9.584 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

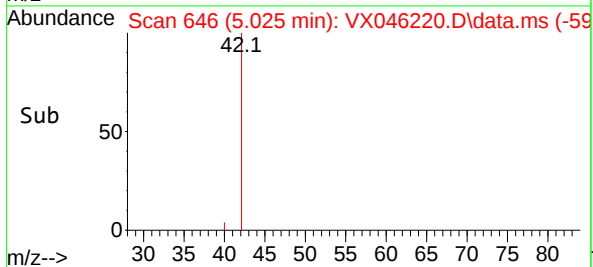
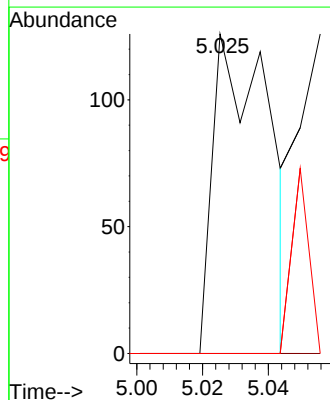
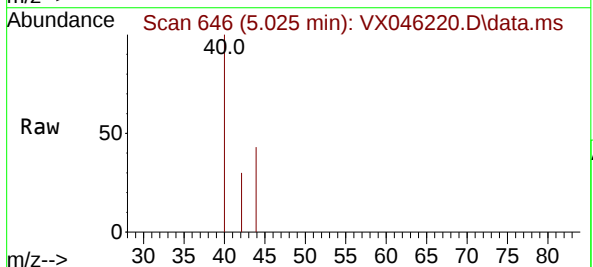
Instrument :
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ClientSampleId :
COMP-1

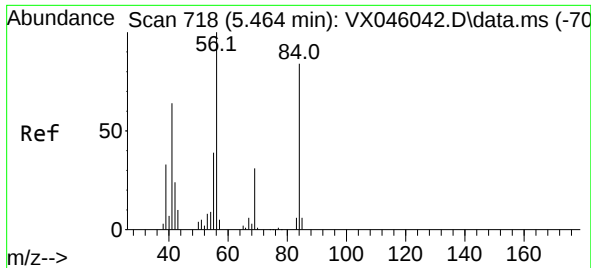
Tgt Ion: 43 Resp: 6323
Ion Ratio Lower Upper
43 100
72 19.4 18.4 27.6



#29
Tetrahydrofuran
Concen: 0.363 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 42 Resp: 150
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#

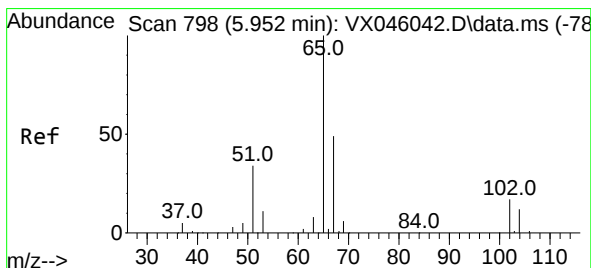
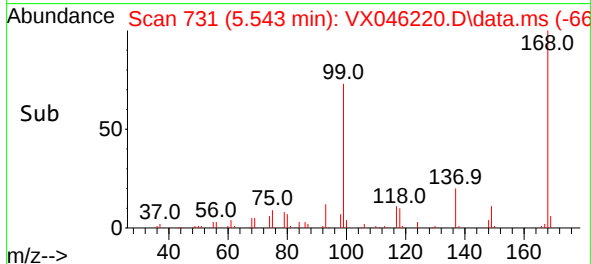
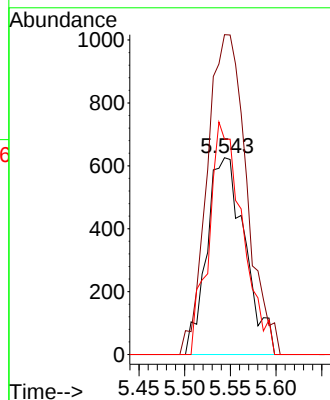
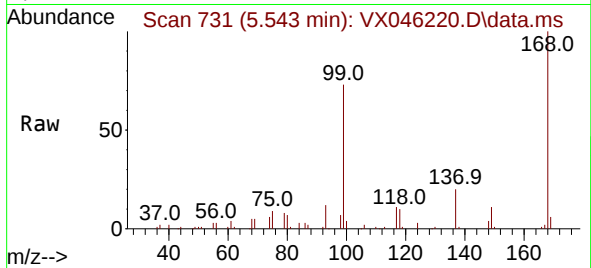




#31
Cyclohexane
Concen: 1.346 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

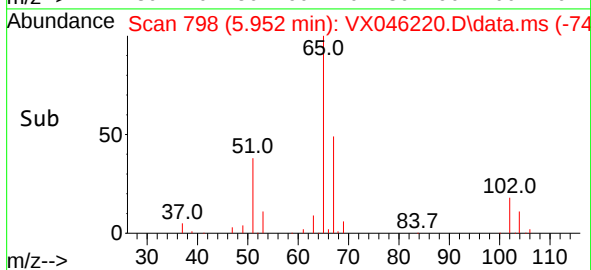
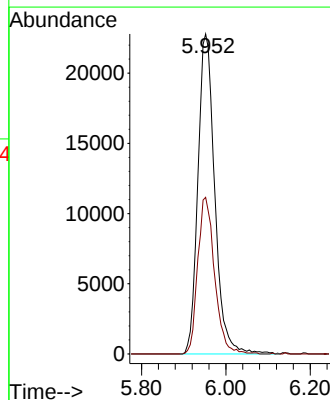
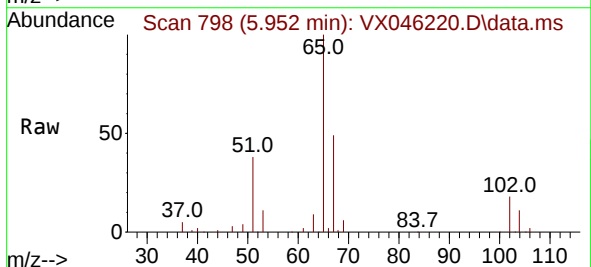
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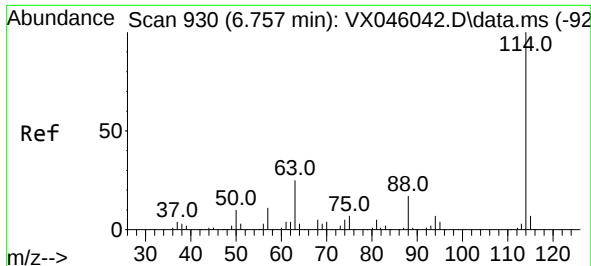
Tgt Ion: 56 Resp: 1818
Ion Ratio Lower Upper
56 100
69 162.5 24.4 36.6#
84 109.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 55.869 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 65 Resp: 63320
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.0

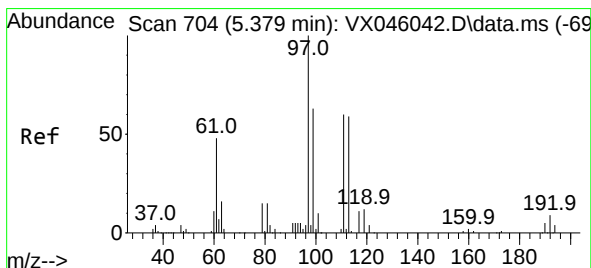
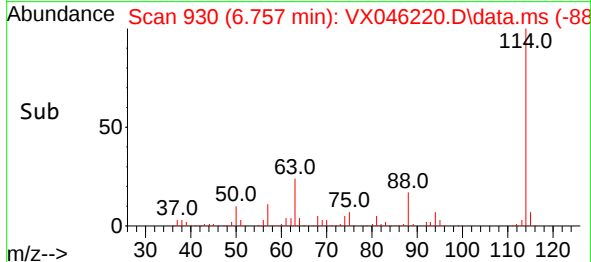
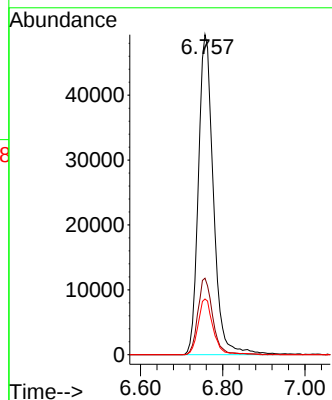
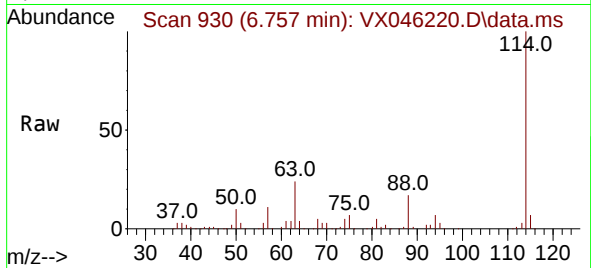




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

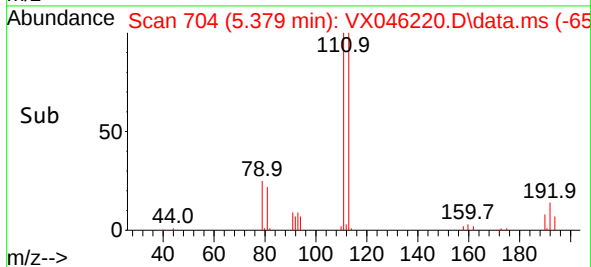
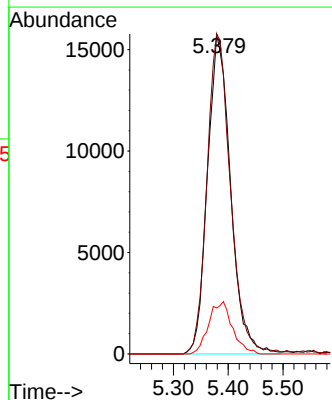
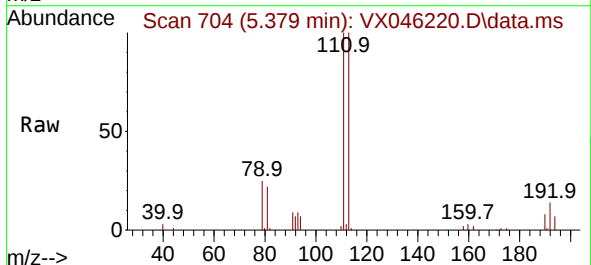
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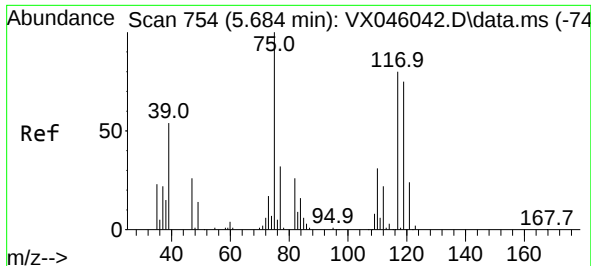
Tgt Ion:114 Resp: 124950
Ion Ratio Lower Upper
114 100
63 23.9 0.0 49.2
88 17.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.093 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion:113 Resp: 45972
Ion Ratio Lower Upper
113 100
111 101.9 83.1 124.7
192 16.8 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX046220.D

Acq: 15 May 2025 17:41

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

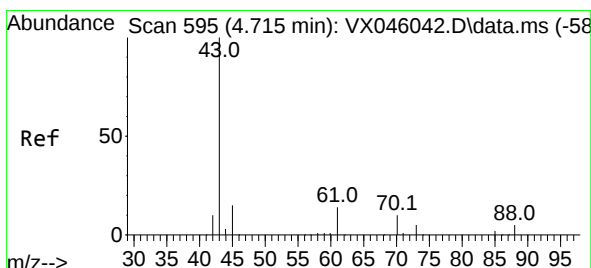
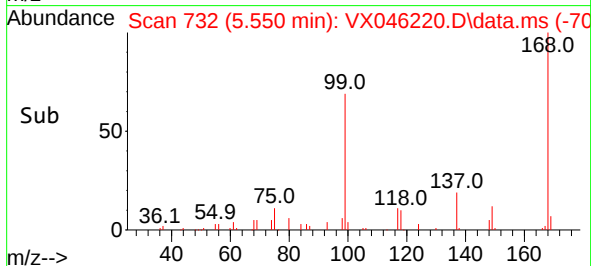
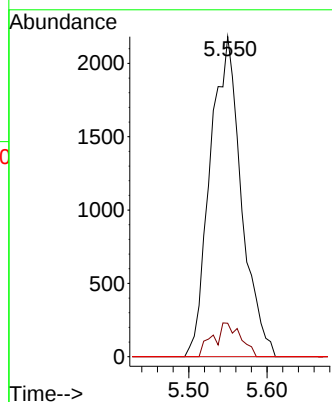
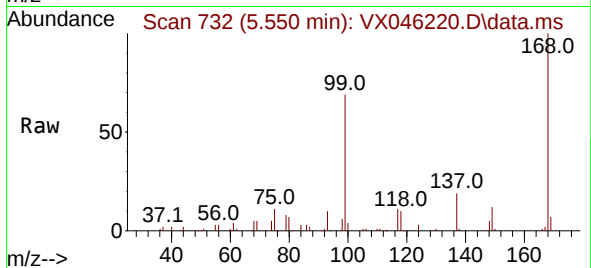
Tgt Ion: 75 Resp: 6051

Ion Ratio Lower Upper

75 100

110 9.3 16.3 48.9#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 4.233 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.140 min

Lab File: VX046220.D

Acq: 15 May 2025 17:41

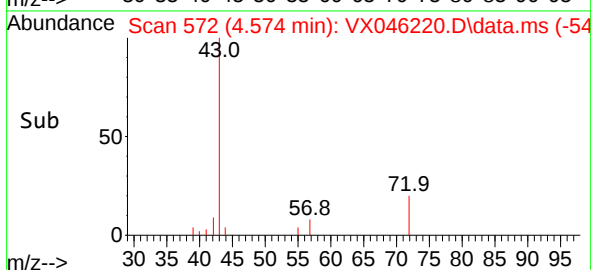
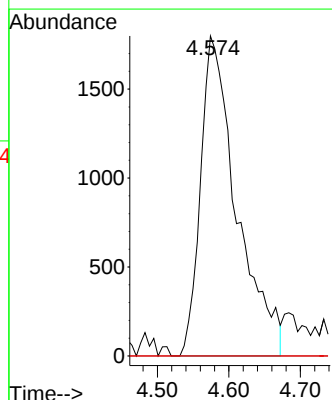
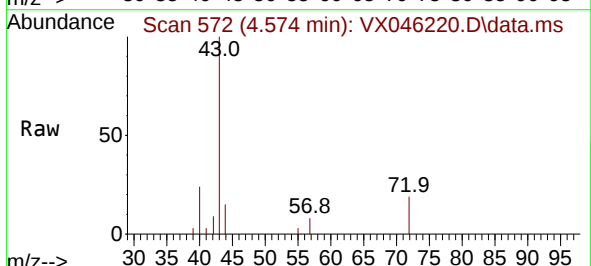
Tgt Ion: 43 Resp: 6323

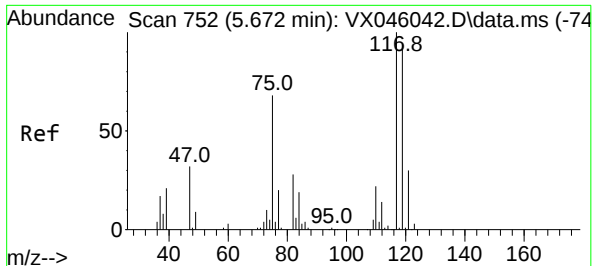
Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

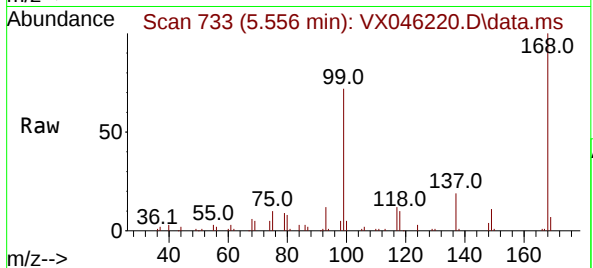
70 0.0 7.9 11.9#



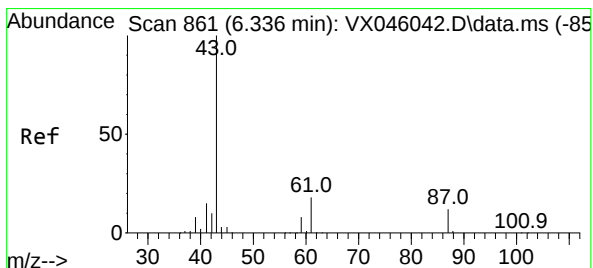
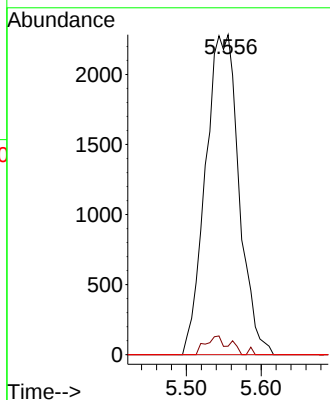
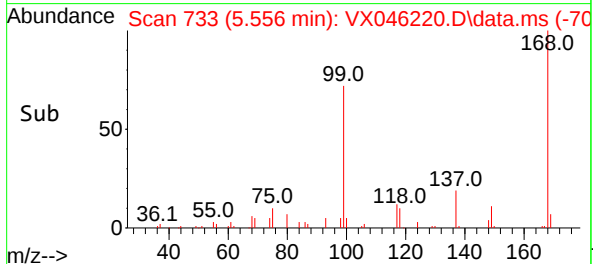


#38
Carbon Tetrachloride
Concen: 5.231 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
COMP-1

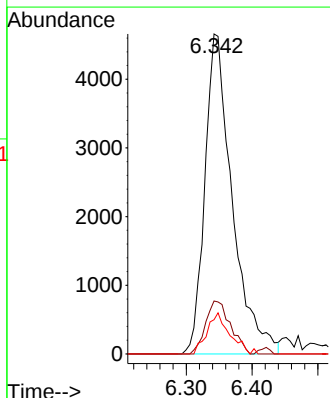
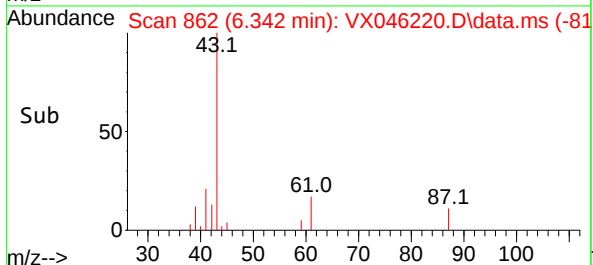
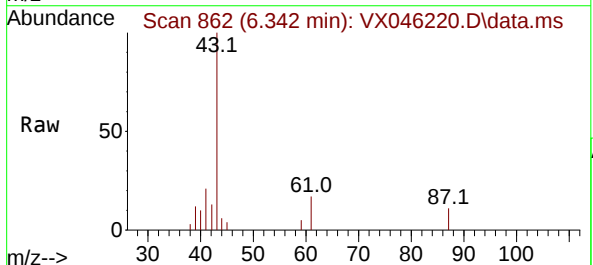


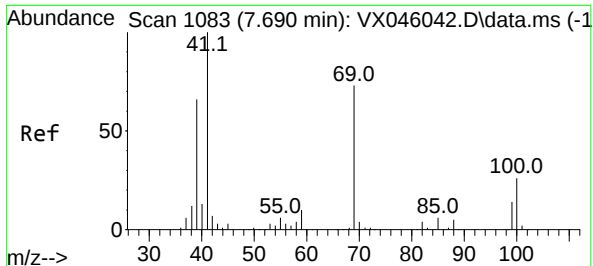
Tgt Ion:117 Resp: 7106
Ion Ratio Lower Upper
117 100
119 2.6 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 5.919 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 43 Resp: 13487
Ion Ratio Lower Upper
43 100
61 15.0 14.3 21.5
87 10.4 9.5 14.3

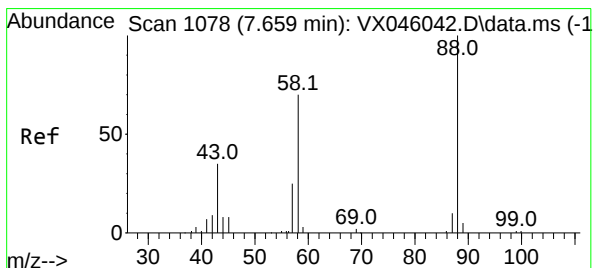
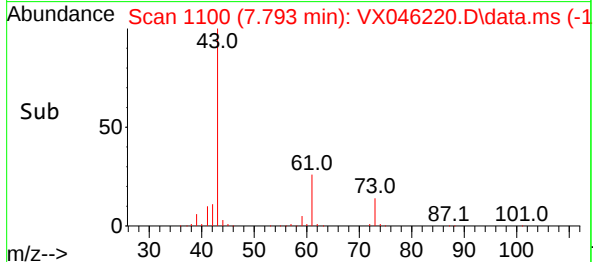
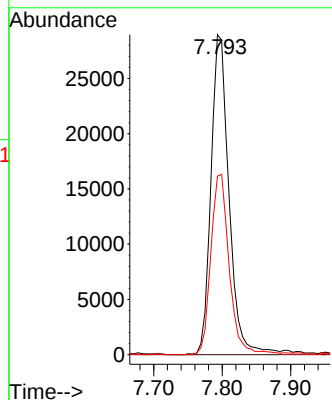
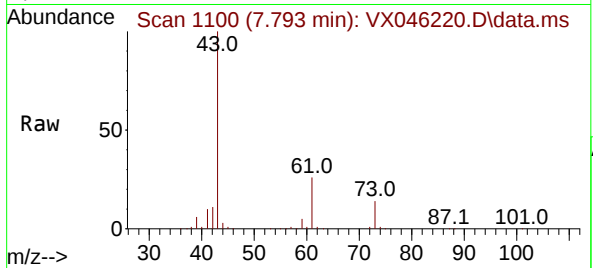




#48
Methyl methacrylate
Concen: 45.430 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

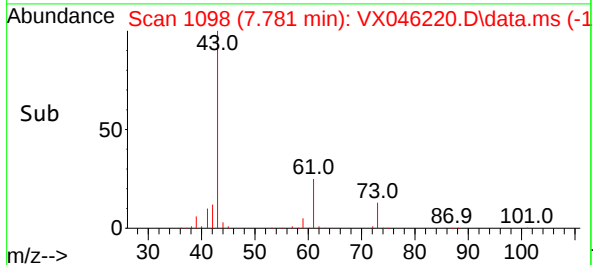
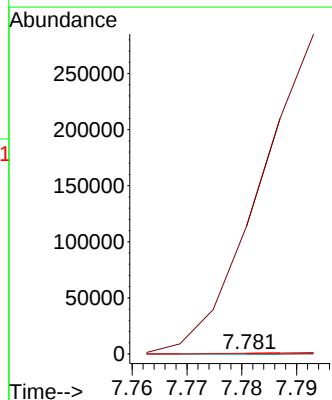
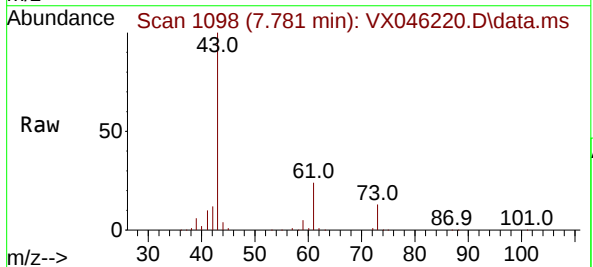
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

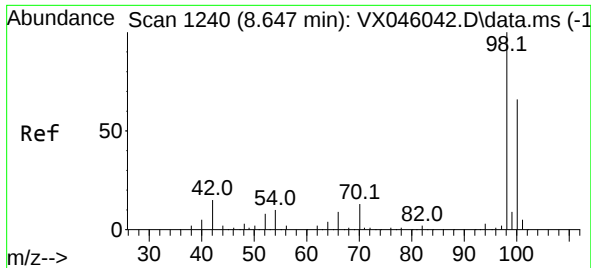
Tgt Ion: 41 Resp: 52868
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.6 51.7 77.5



#49
1,4-Dioxane
Concen: 0.950 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.122 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 2459809.5 33.4 50.2#
58 10866.7 58.6 88.0#

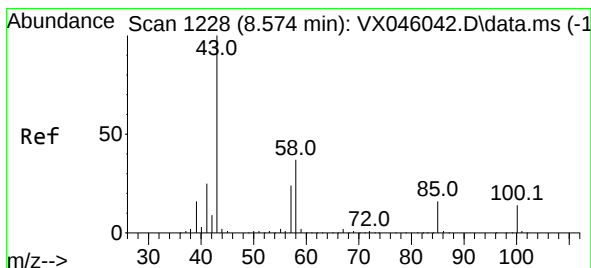
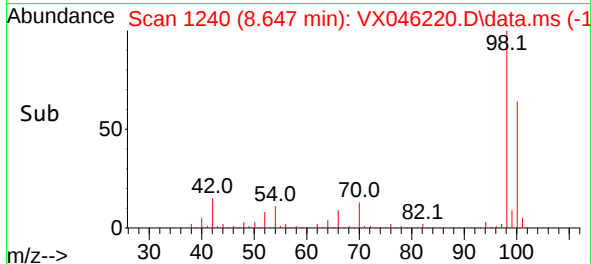
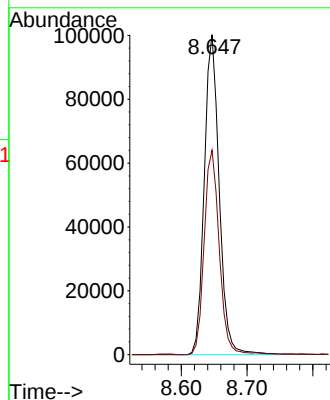
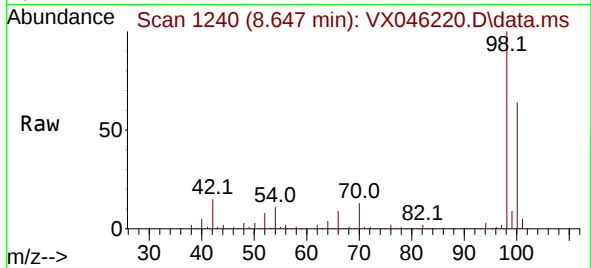




#50
Toluene-d8
Concen: 50.825 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

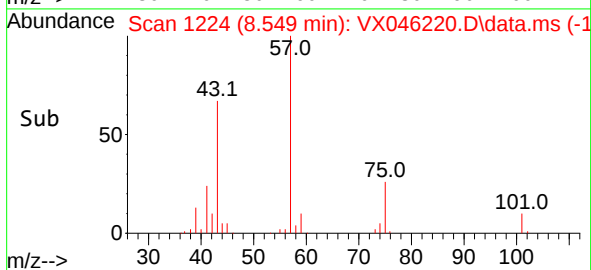
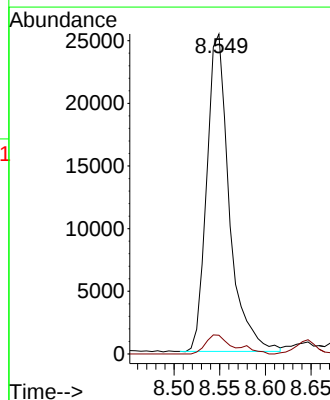
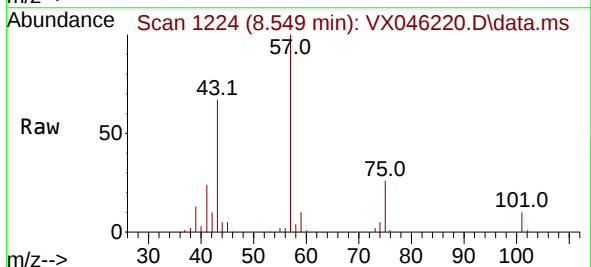
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

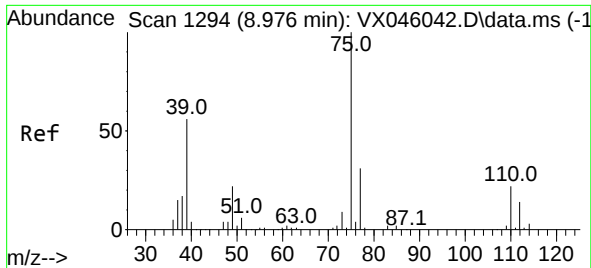
Tgt Ion: 98 Resp: 158281
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 28.610 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 43 Resp: 43273
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#

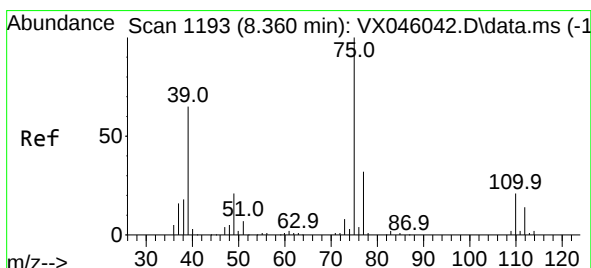
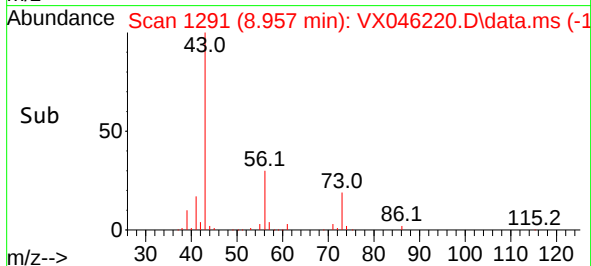
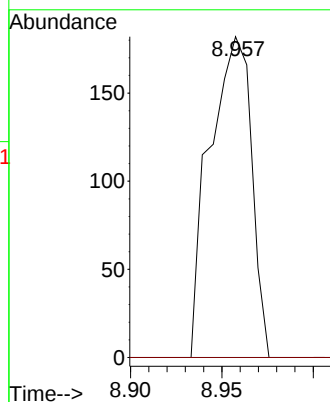
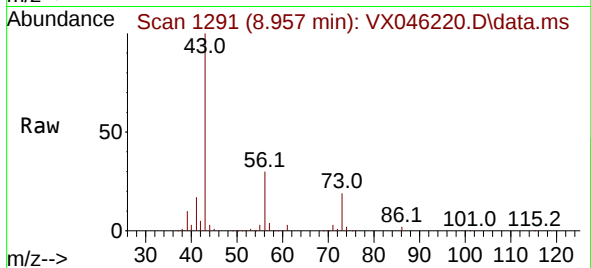




#53
t-1,3-Dichloropropene
Concen: 0.239 ug/l
RT: 8.957 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

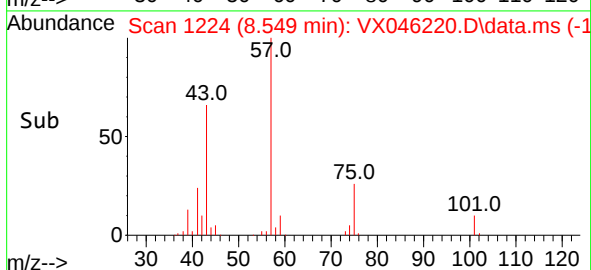
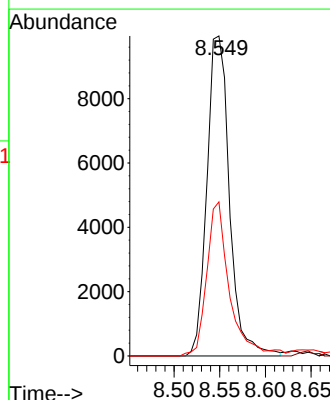
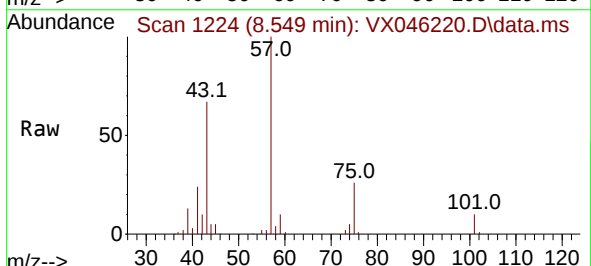
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

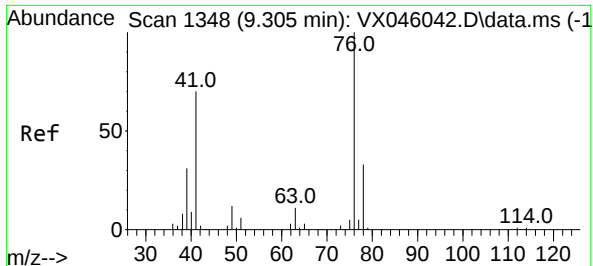
Tgt Ion: 75 Resp: 290
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#



#54
cis-1,3-Dichloropropene
Concen: 12.702 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 75 Resp: 17068
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 48.2 52.2 78.4#

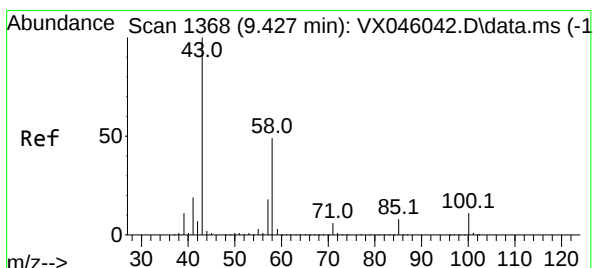
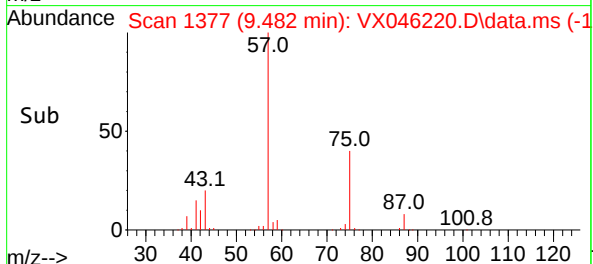
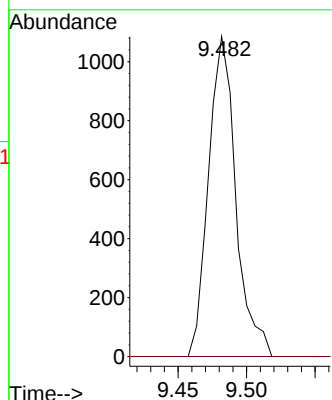
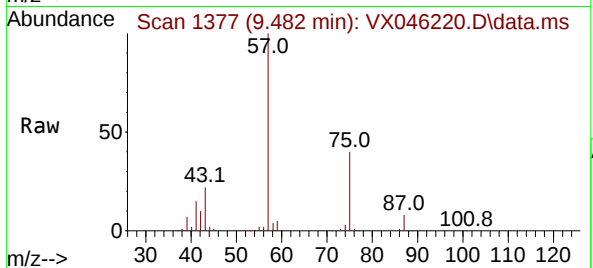




#57
1,3-Dichloropropane
Concen: 0.979 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

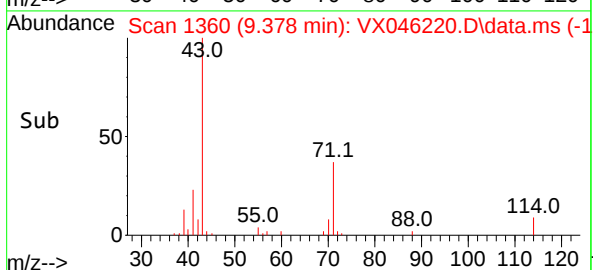
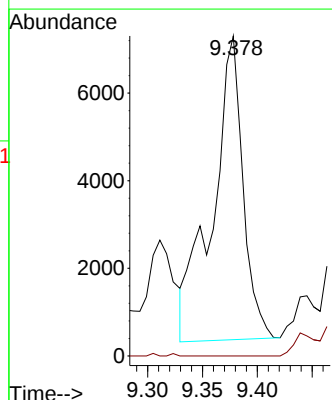
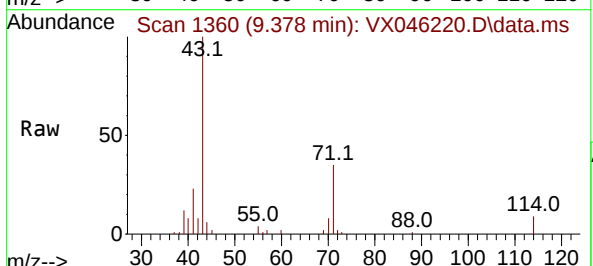
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

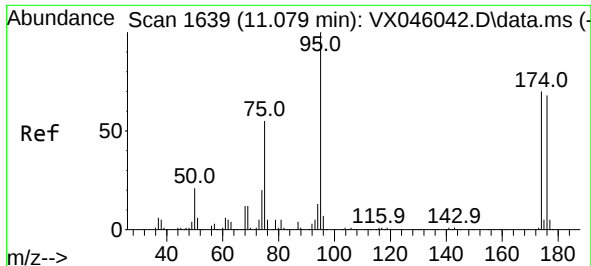
Tgt Ion: 76 Resp: 1505
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 12.026 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 43 Resp: 13457
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

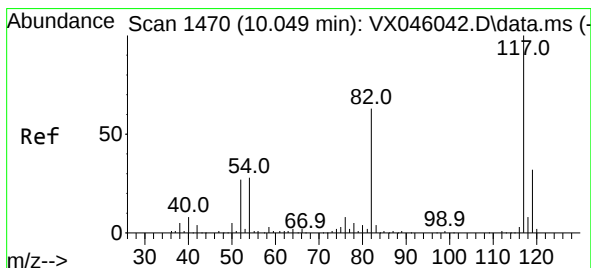
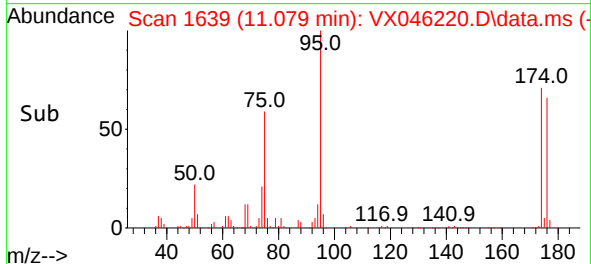
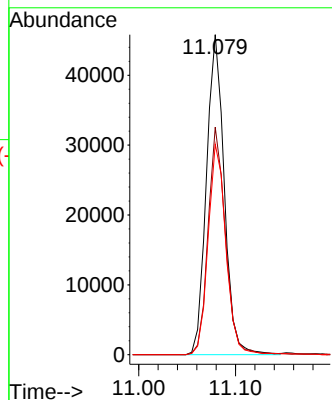
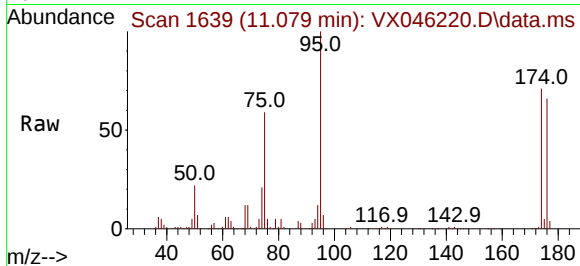




#62
4-Bromofluorobenzene
Concen: 49.285 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

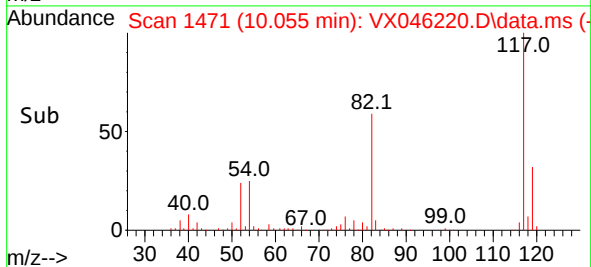
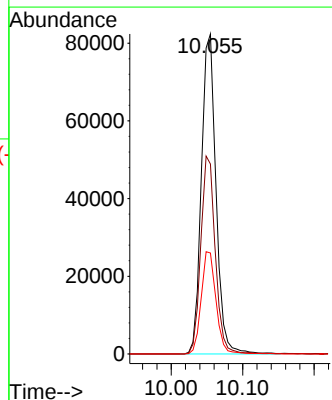
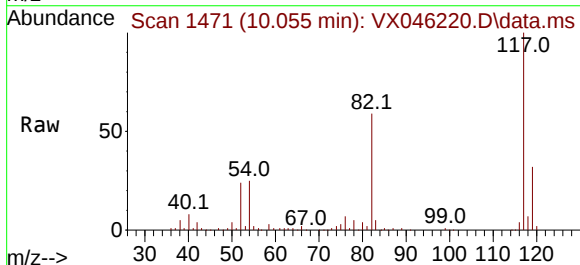
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

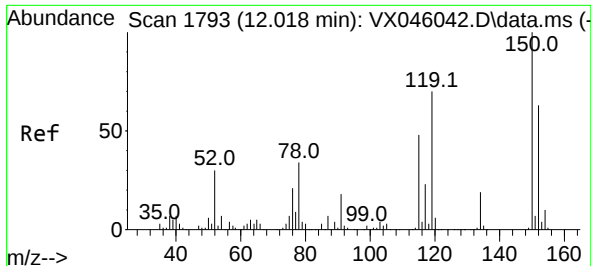
Tgt Ion: 95 Resp: 58875
Ion Ratio Lower Upper
95 100
174 69.7 0.0 135.8
176 65.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Tgt Ion: 117 Resp: 117007
Ion Ratio Lower Upper
117 100
82 59.4 50.6 76.0
119 31.5 25.8 38.6

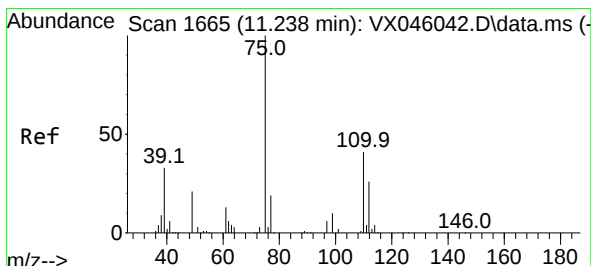
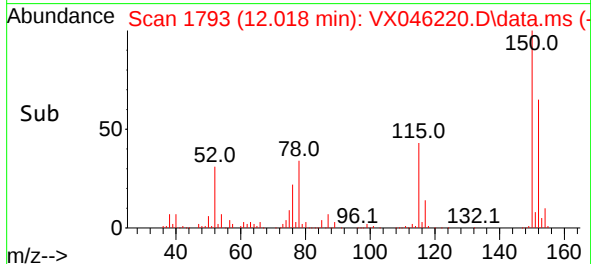
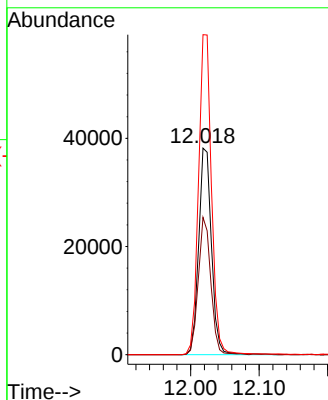
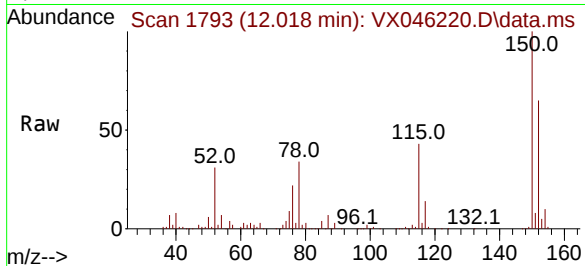




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046220.D
 Acq: 15 May 2025 17:41

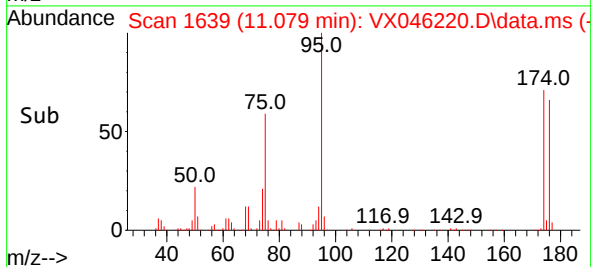
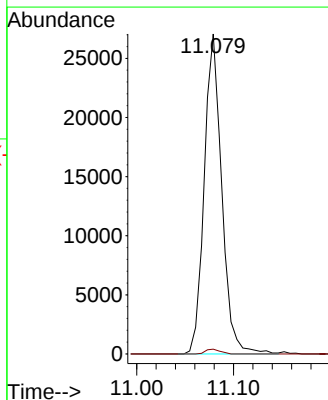
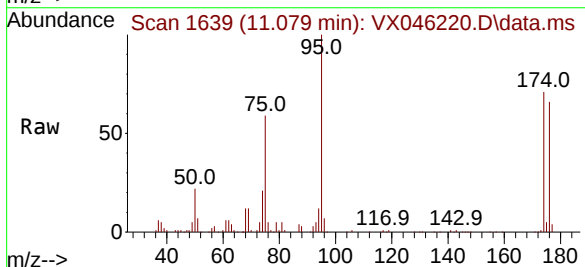
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

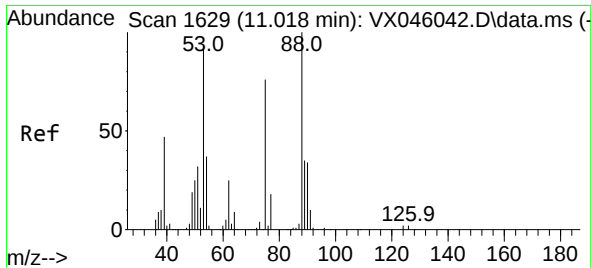
Tgt Ion:152 Resp: 49771
 Ion Ratio Lower Upper
 152 100
 115 65.0 46.9 140.7
 150 157.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.532 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046220.D
 Acq: 15 May 2025 17:41

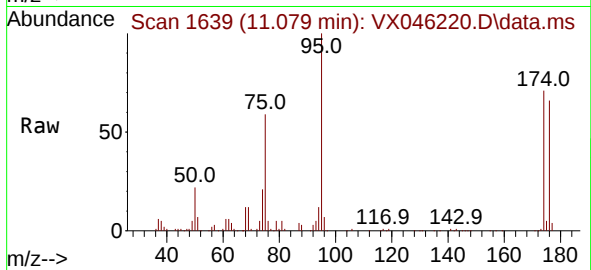
Tgt Ion: 75 Resp: 34182
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 92.892 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046220.D
Acq: 15 May 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
COMP-1



Tgt Ion: 75 Resp: 34182
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

