

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046645.D
 Acq On : 11 Jun 2025 18:15
 Operator : JC/MD
 Sample : Q2271-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP12-MHK-WC

Quant Time: Jun 12 02:35:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

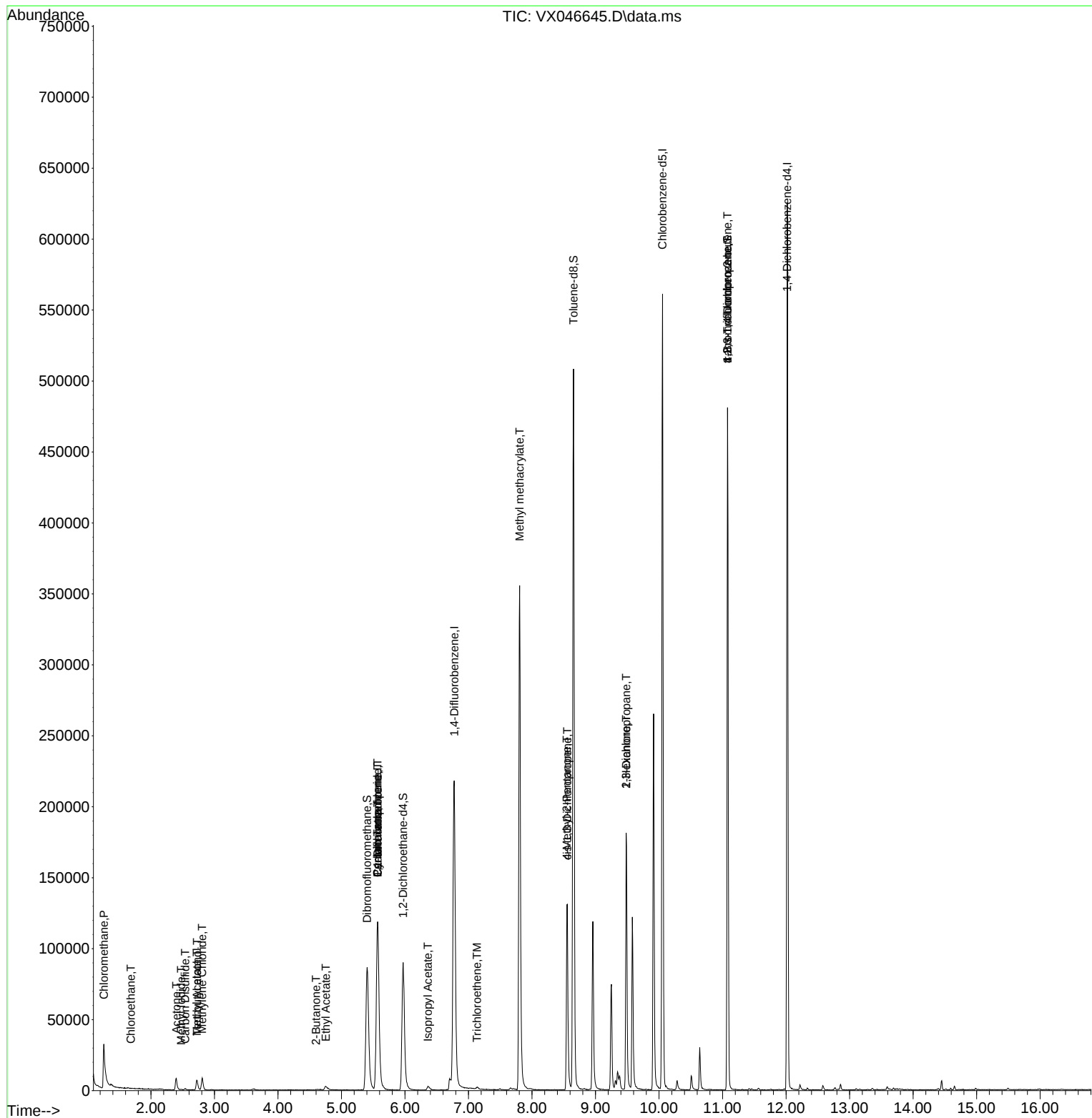
Internal Standards						
1) Pentafluorobenzene	5.568	168	117535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	232752	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	126629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	94762	45.318	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.640%
35) Dibromofluoromethane	5.403	113	82135	47.986	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.980%
50) Toluene-d8	8.653	98	301336	53.399	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.800%
62) 4-Bromofluorobenzene	11.079	95	128549	55.058	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.120%
Target Compounds						
					Qvalue	
3) Chloromethane	1.258	50	1104	0.743	ug/l #	43
6) Chloroethane	1.685	64	354	0.369	ug/l #	44
10) Methyl Iodide	2.477	142	488	0.292	ug/l #	69
11) Tert butyl alcohol	2.727	59	747	3.219	ug/l #	72
16) Acetone	2.398	43	10341	16.956	ug/l	94
17) Carbon Disulfide	2.538	76	552	0.388	ug/l #	76
18) Methyl Acetate	2.721	43	10320	4.143	ug/l	99
20) Methylene Chloride	2.806	84	3836	2.287	ug/l	93
25) 2-Butanone	4.599	43	301	0.259	ug/l	92
31) Cyclohexane	5.568	56	2614	1.075	ug/l #	4
36) 1,1-Dichloropropene	5.568	75	10154	4.153	ug/l #	52
37) Ethyl Acetate	4.751	43	5579	2.338	ug/l	97
38) Carbon Tetrachloride	5.568	117	13111	4.788	ug/l #	15
43) Isopropyl Acetate	6.361	43	4094	0.984	ug/l	99
44) Trichloroethene	7.135	130	545	0.312	ug/l	81
48) Methyl methacrylate	7.805	41	33860	15.819	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	49982	18.907	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	23057	8.416	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	1560	0.520	ug/l #	42
59) 2-Hexanone	9.482	43	24502	12.923	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	67226	25.064	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	67226	72.300	ug/l #	1

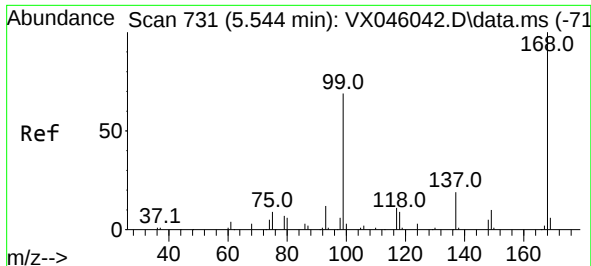
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
Data File : VX046645.D
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Jun 12 02:35:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

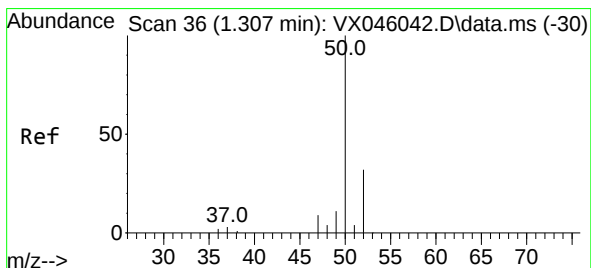
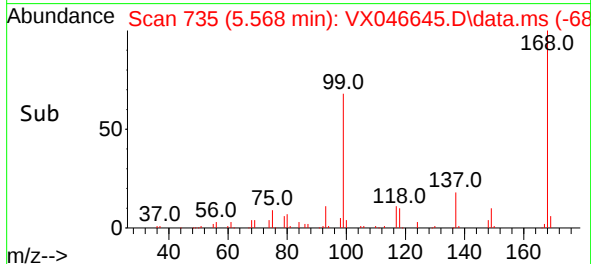
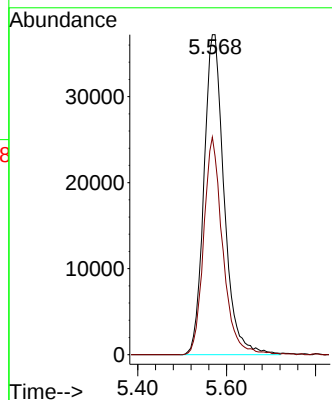
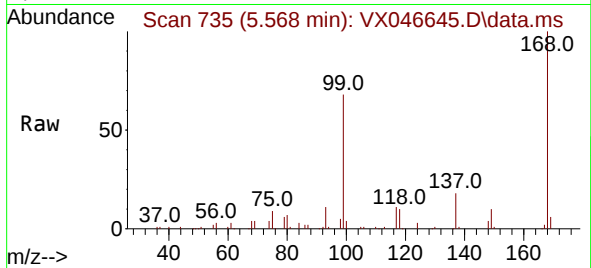




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

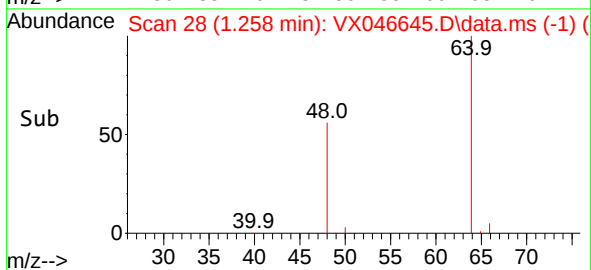
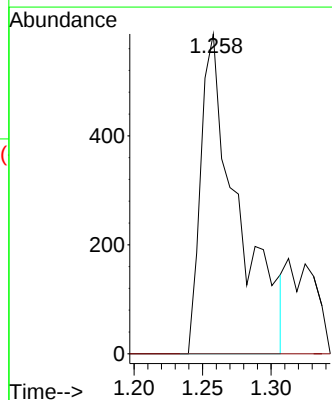
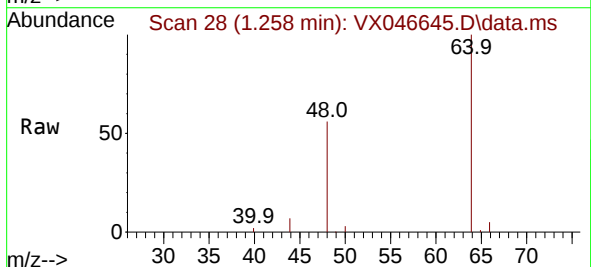
Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

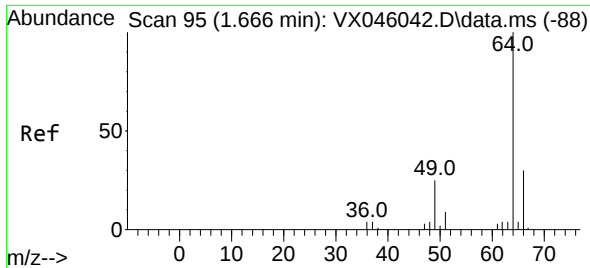
Tgt Ion:168 Resp: 117535
Ion Ratio Lower Upper
168 100
99 68.0 54.9 82.3



#3
Chloromethane
Concen: 0.743 ug/l
RT: 1.258 min Scan# 28
Delta R.T. -0.049 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion: 50 Resp: 1104
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

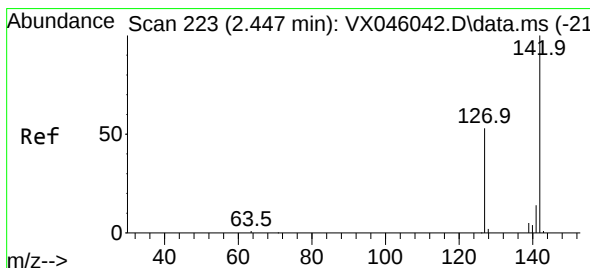
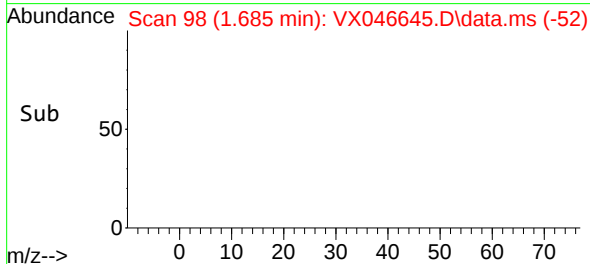
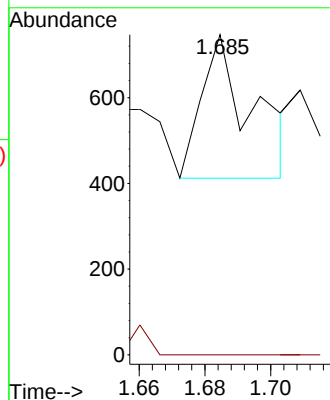
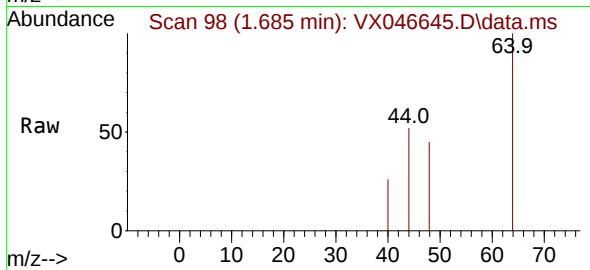




#6
Chloroethane
Concen: 0.369 ug/l
RT: 1.685 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

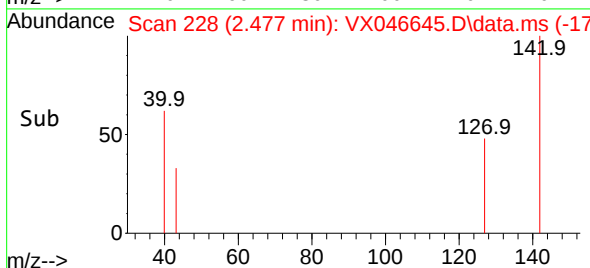
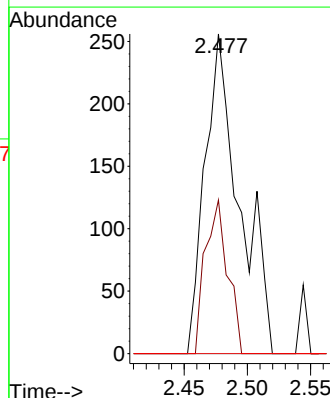
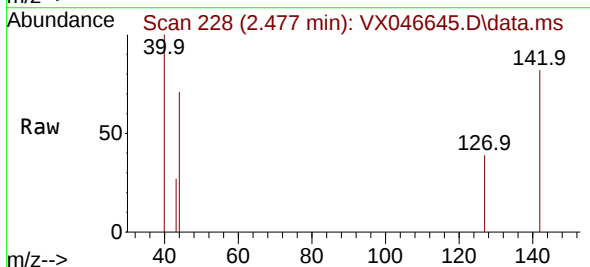
Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

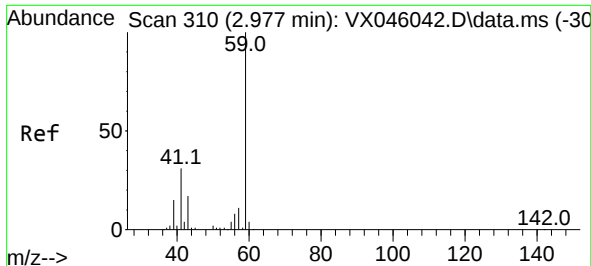
Tgt Ion: 64 Resp: 354
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#10
Methyl Iodide
Concen: 0.292 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion: 142 Resp: 488
Ion Ratio Lower Upper
142 100
127 30.9 41.7 62.5#
141 0.0 11.5 17.3#

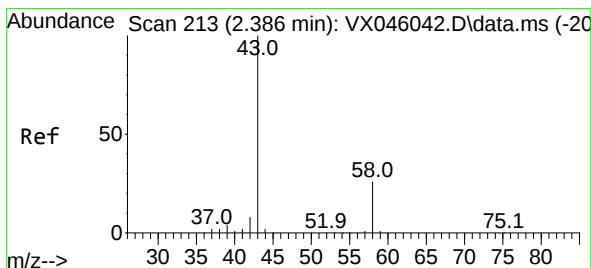
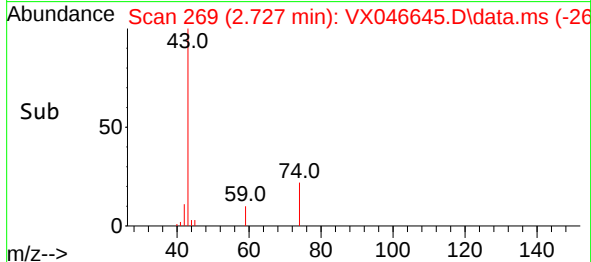
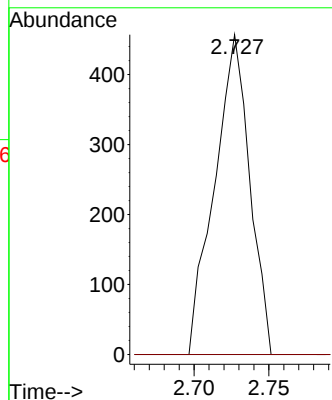
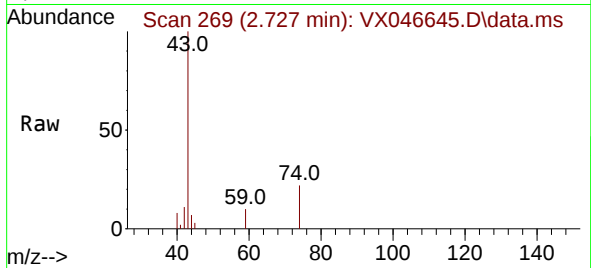




#11
Tert butyl alcohol
Concen: 3.219 ug/l
RT: 2.727 min Scan# 210
Delta R.T. -0.244 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

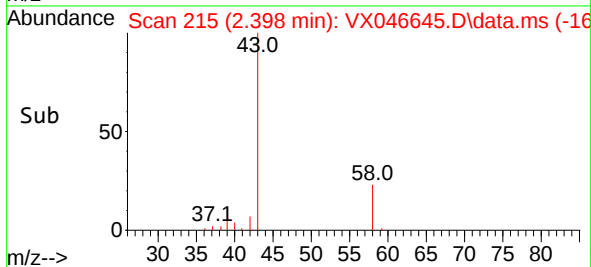
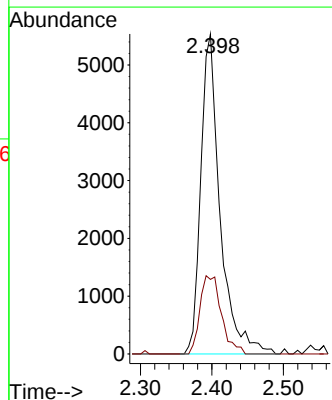
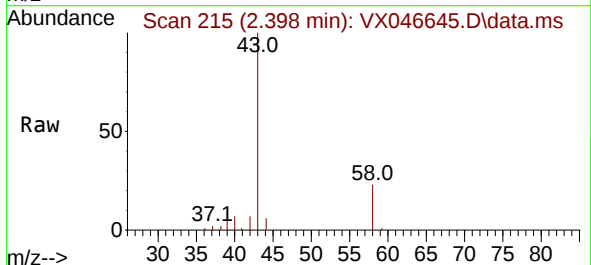
Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

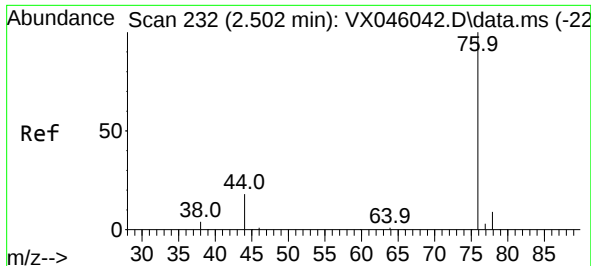
Tgt Ion: 59 Resp: 747
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 16.956 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion: 43 Resp: 10341
Ion Ratio Lower Upper
43 100
58 23.3 21.2 31.8

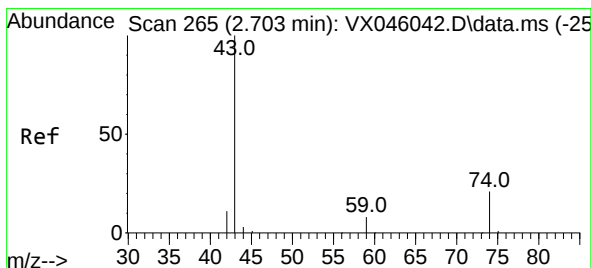
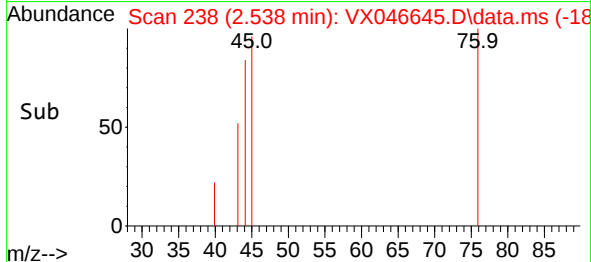
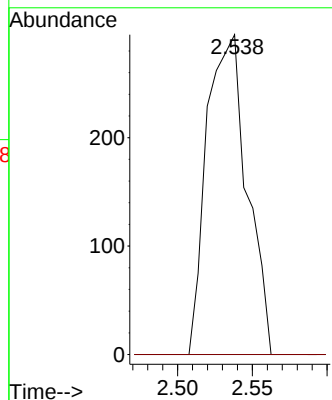
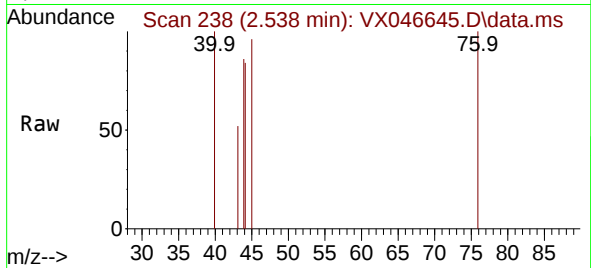




#17
Carbon Disulfide
Concen: 0.388 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

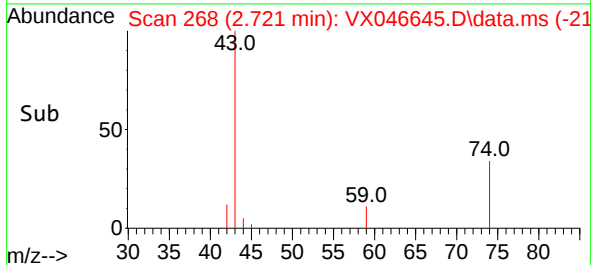
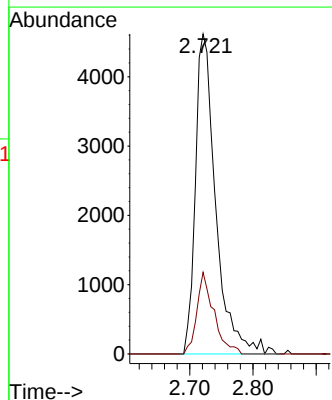
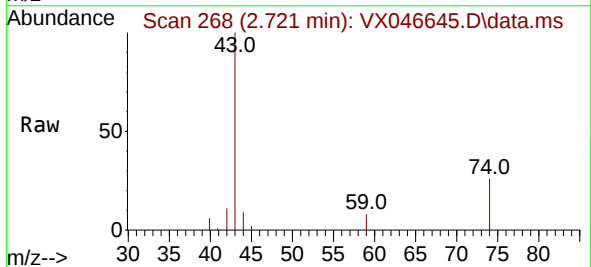
Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

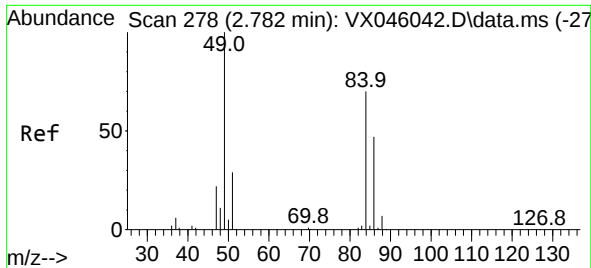
Tgt Ion: 76 Resp: 552
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 4.143 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion: 43 Resp: 10320
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1

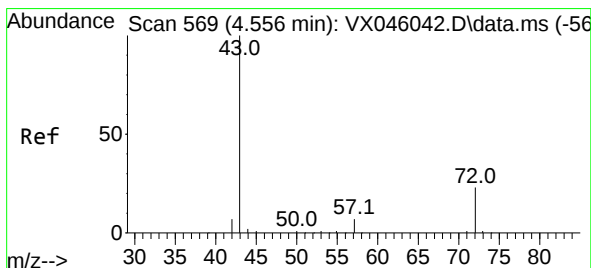
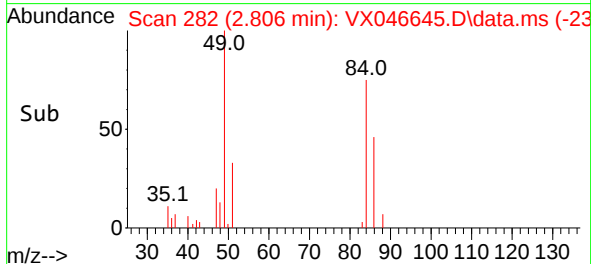
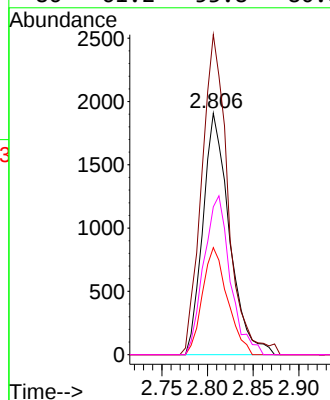
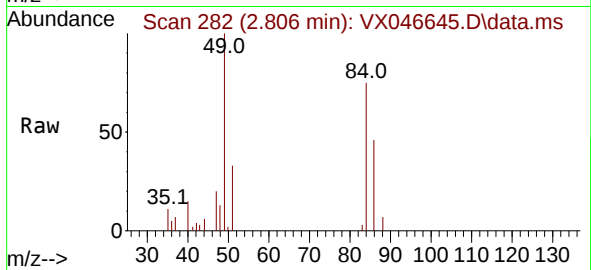




#20
Methylene Chloride
Concen: 2.287 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

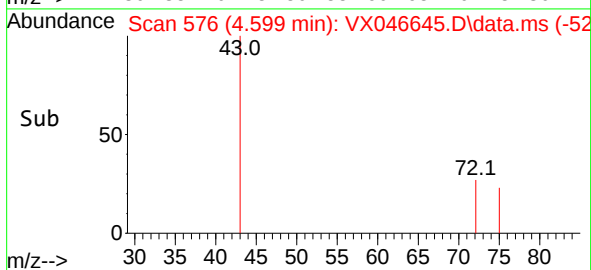
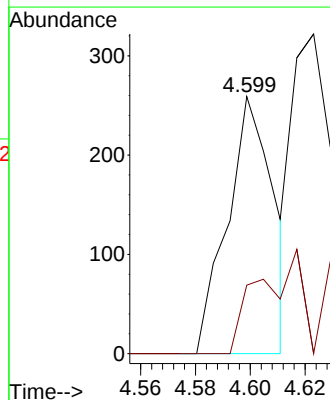
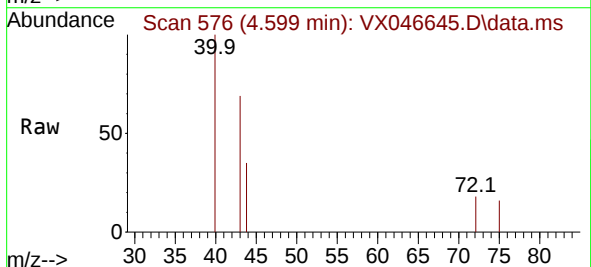
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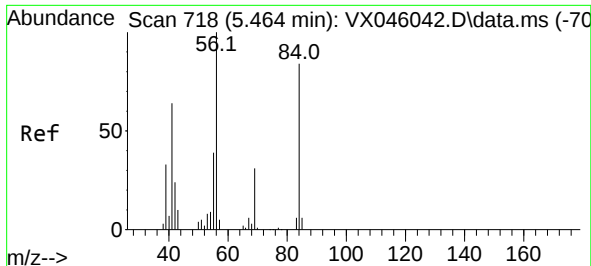
Tgt Ion: 84	Resp: 3836
Ion Ratio	Lower Upper
84 100	
49 132.6	113.9 170.9
51 44.4	33.5 50.3
86 61.2	53.8 80.8



#25
2-Butanone
Concen: 0.259 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.025 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

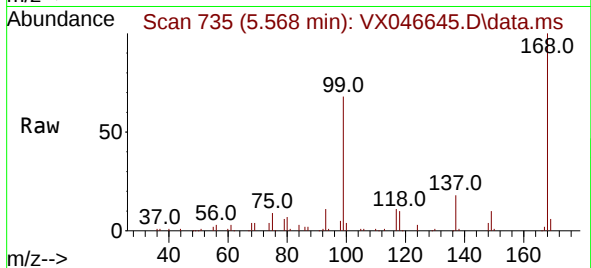
Tgt Ion: 43	Resp: 301
Ion Ratio	Lower Upper
43 100	
72 26.6	18.4 27.6



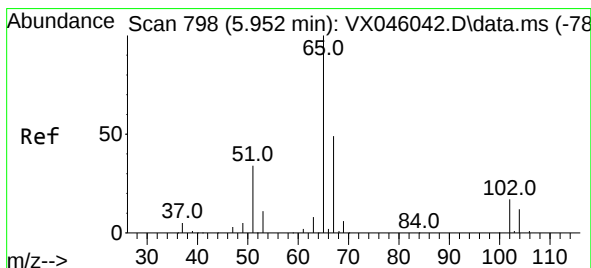
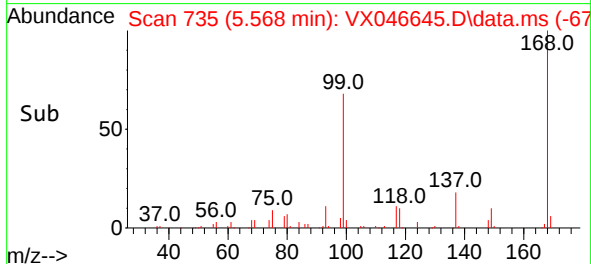
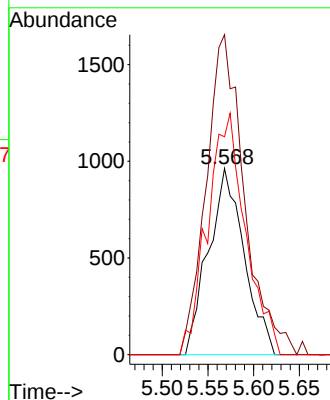


#31
Cyclohexane
Concen: 1.075 ug/l
RT: 5.568 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046645.D
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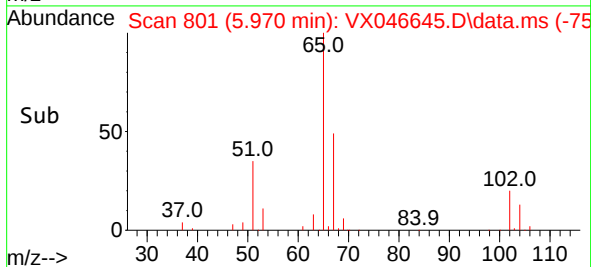
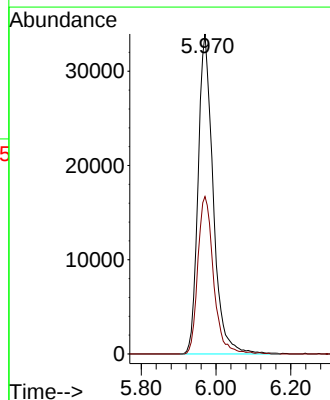
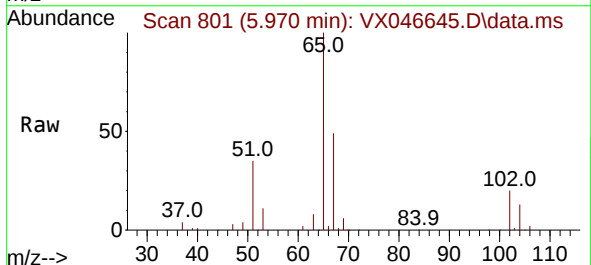


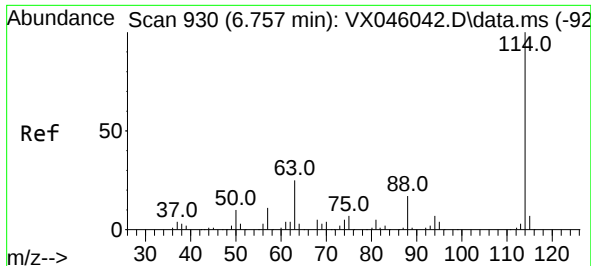
Tgt Ion: 56 Resp: 2614
Ion Ratio Lower Upper
56 100
69 171.9 24.4 36.6#
84 117.0 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 45.318 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion: 65 Resp: 94762
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.0

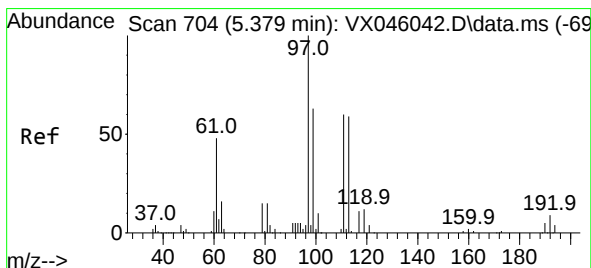
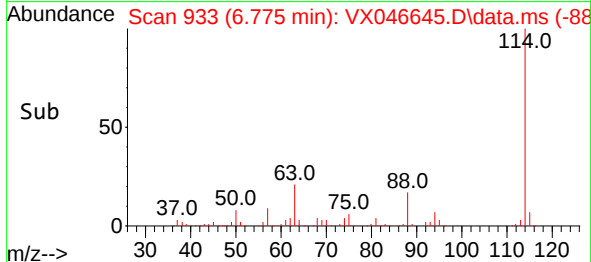
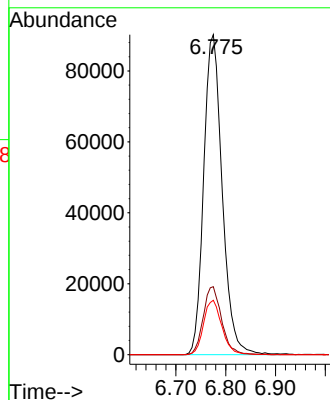
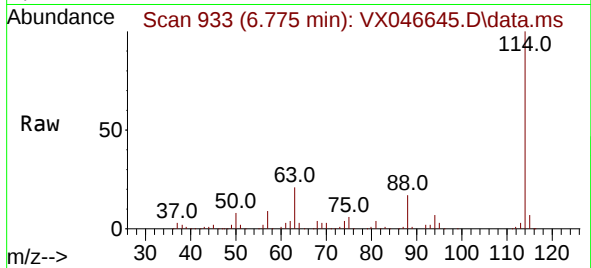




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

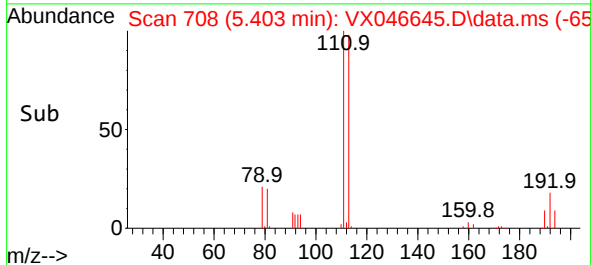
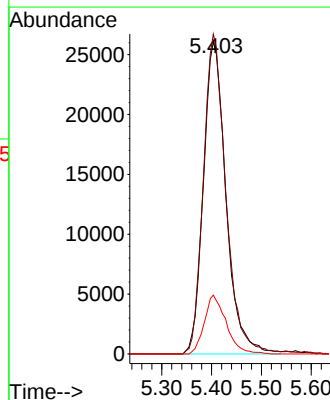
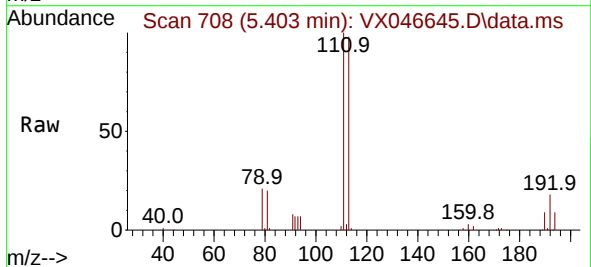
Instrument :
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ClientSampleId :
TP12-MHK-WC

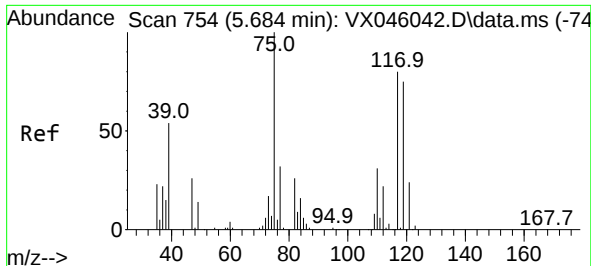
Tgt Ion:114 Resp: 232752
Ion Ratio Lower Upper
114 100
63 21.3 0.0 49.2
88 17.0 0.0 33.6



#35
Dibromofluoromethane
Concen: 47.986 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion:113 Resp: 82135
Ion Ratio Lower Upper
113 100
111 101.8 83.1 124.7
192 18.2 13.3 19.9

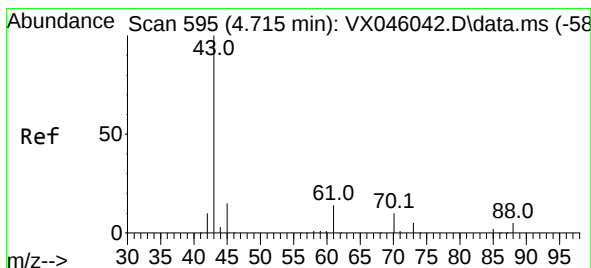
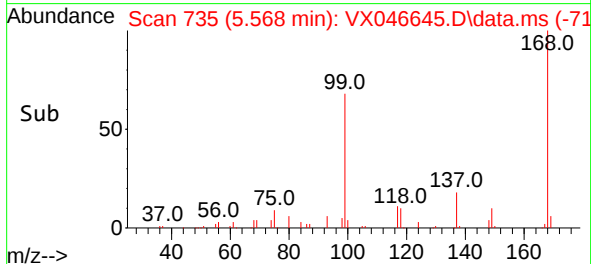
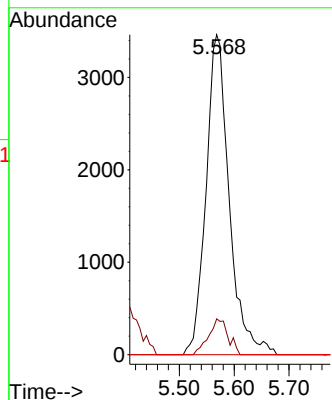
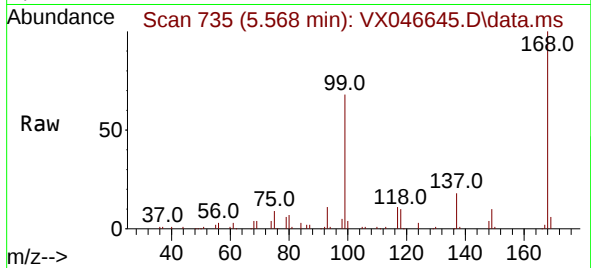




#36
1,1-Dichloropropene
Concen: 4.153 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

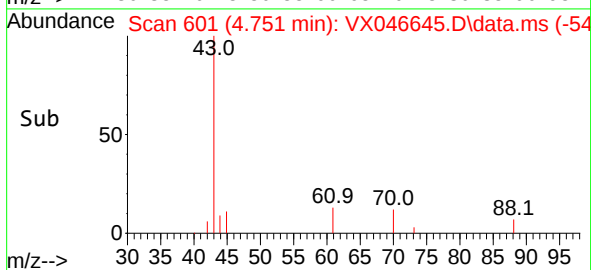
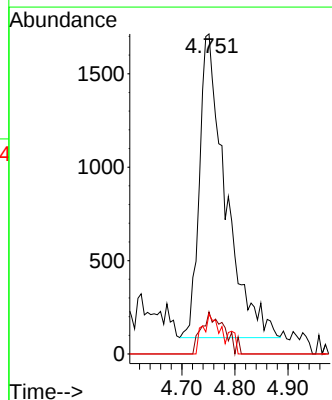
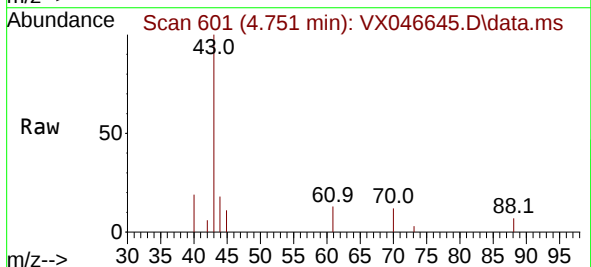
Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

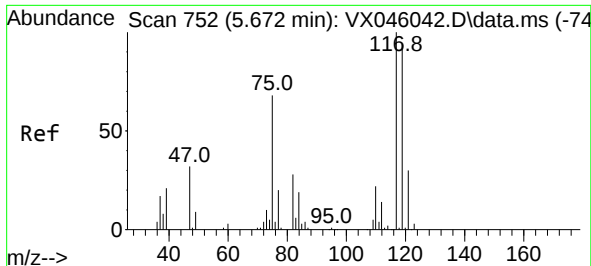
Tgt Ion: 75 Resp: 10154
Ion Ratio Lower Upper
75 100
110 9.4 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.338 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

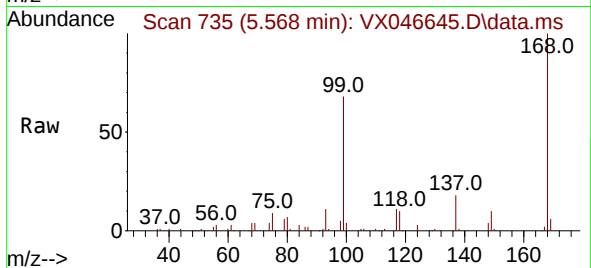
Tgt Ion: 43 Resp: 5579
Ion Ratio Lower Upper
43 100
61 12.2 10.3 15.5
70 8.5 7.9 11.9



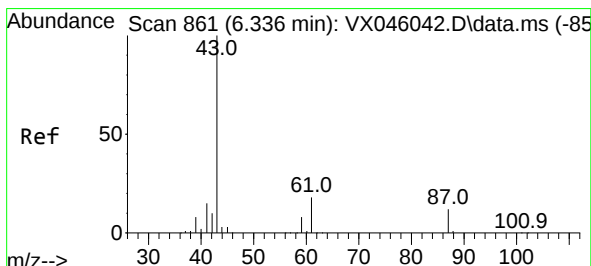
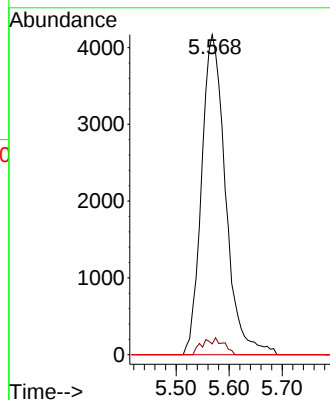
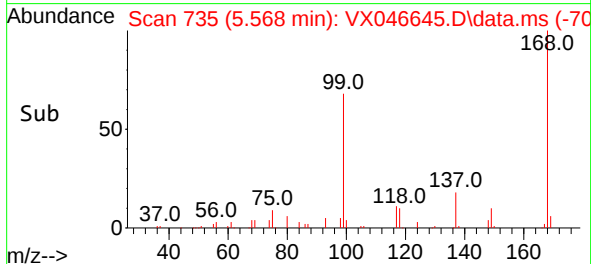


#38
Carbon Tetrachloride
Concen: 4.788 ug/l
RT: 5.568 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

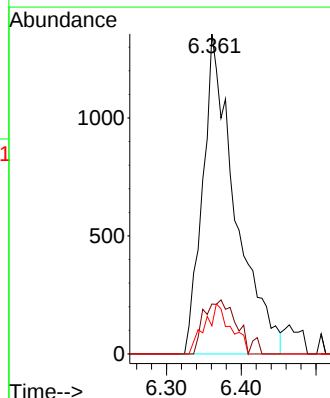
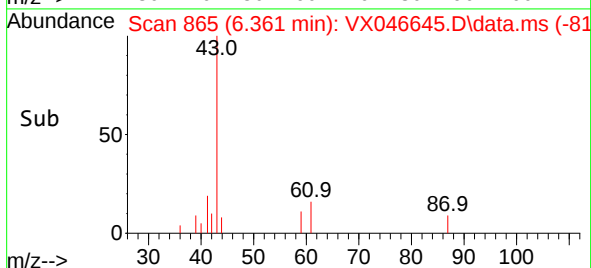
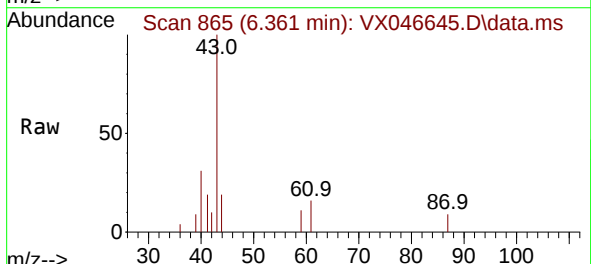


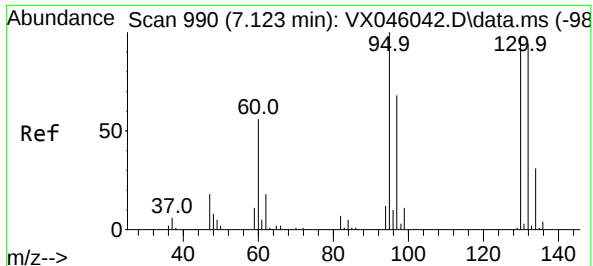
Tgt Ion:117 Resp: 13111
Ion Ratio Lower Upper
117 100
119 3.3 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 0.984 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.007 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion: 43 Resp: 4094
Ion Ratio Lower Upper
43 100
61 17.3 14.3 21.5
87 12.6 9.5 14.3

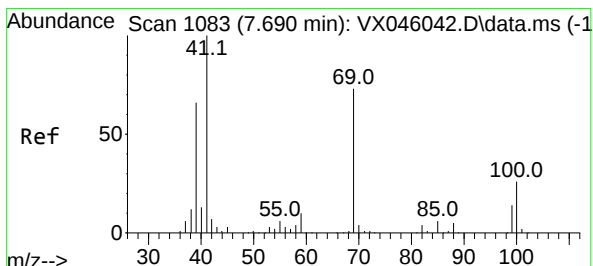
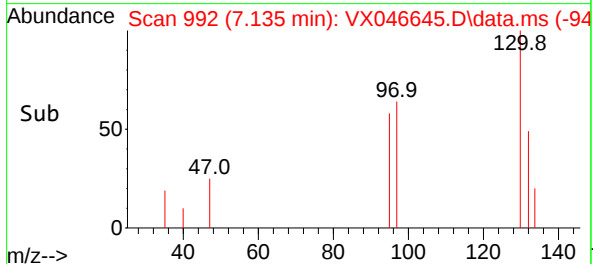
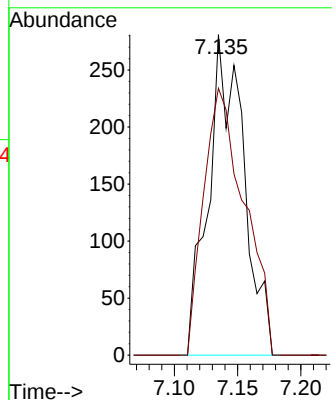
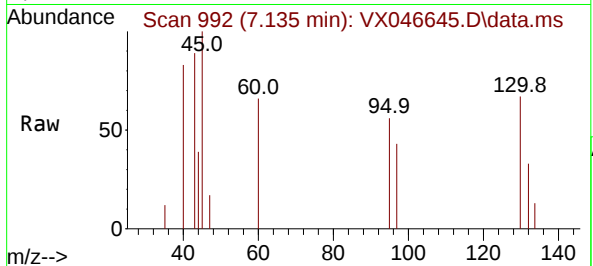




#44
Trichloroethene
Concen: 0.312 ug/l
RT: 7.135 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

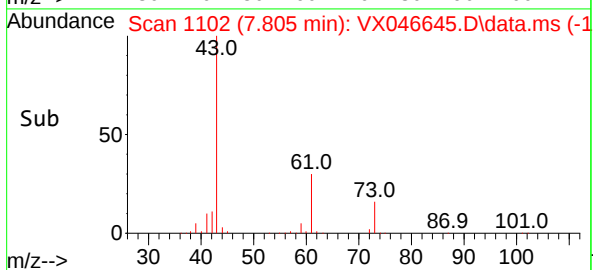
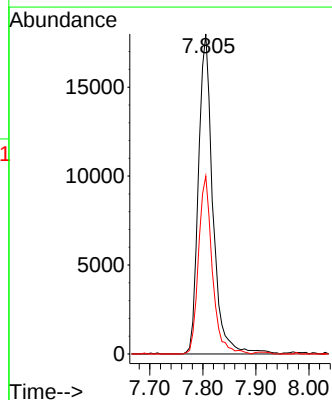
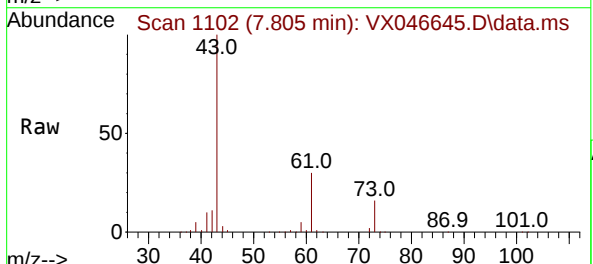
Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

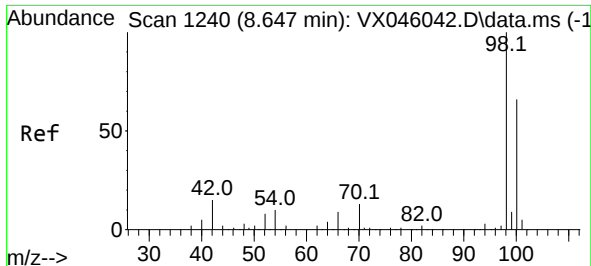
Tgt Ion:130 Resp: 545
Ion Ratio Lower Upper
130 100
95 83.3 0.0 204.2



#48
Methyl methacrylate
Concen: 15.819 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion: 41 Resp: 33860
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 53.3 51.7 77.5

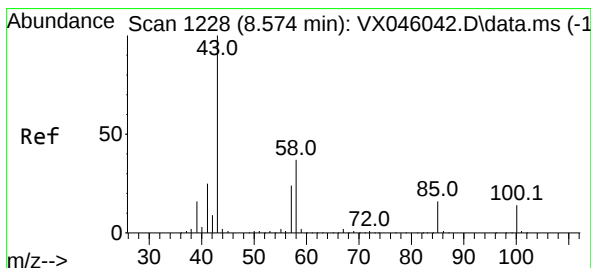
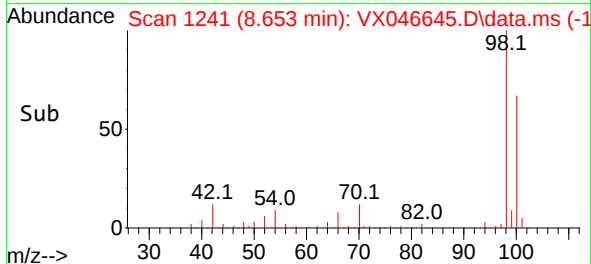
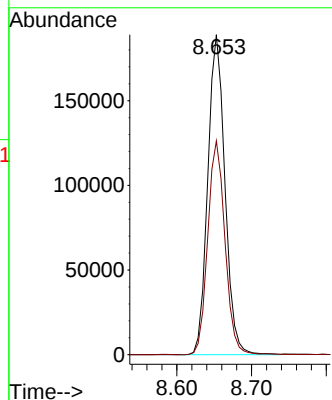
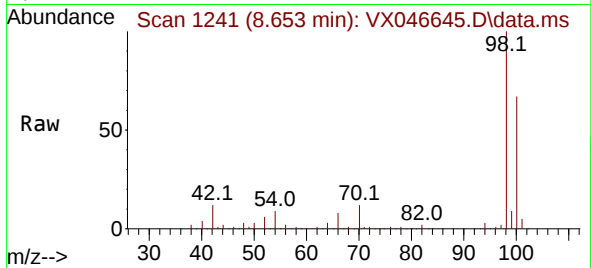




#50
Toluene-d8
Concen: 53.399 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

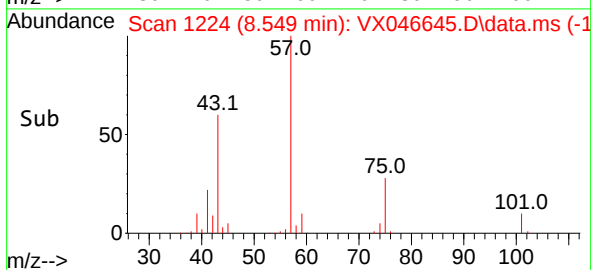
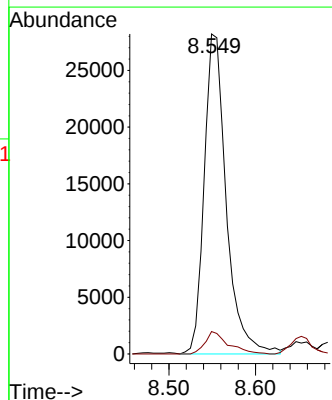
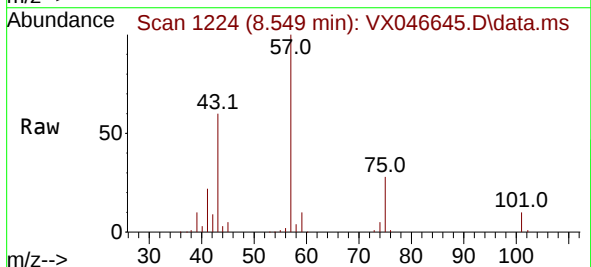
Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

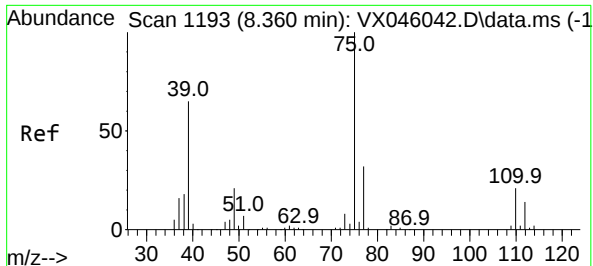
Tgt Ion: 98 Resp: 301336
Ion Ratio Lower Upper
98 100
100 67.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 18.907 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion: 43 Resp: 49982
Ion Ratio Lower Upper
43 100
58 7.3 28.9 43.3#

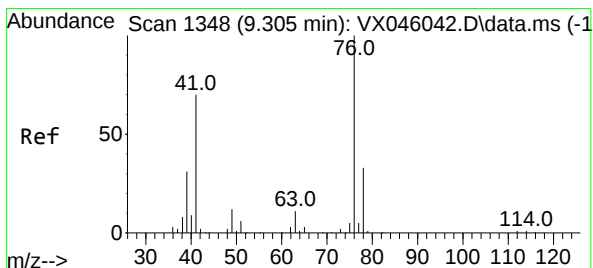
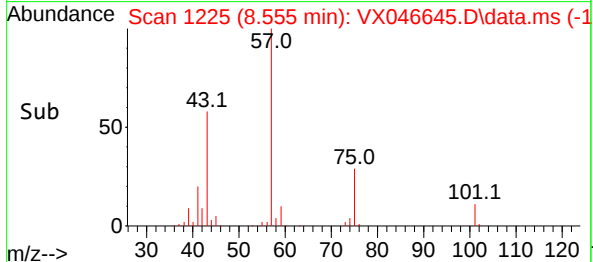
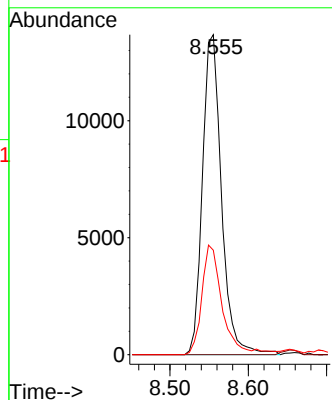
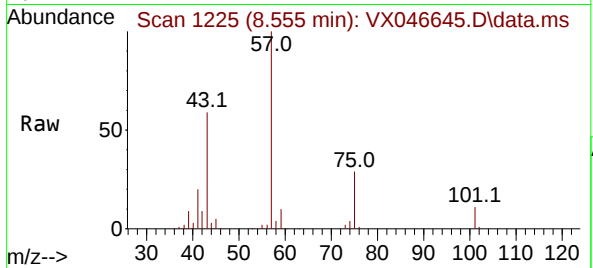




#54
 cis-1,3-Dichloropropene
 Concen: 8.416 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046645.D
 Acq: 11 Jun 2025 18:15

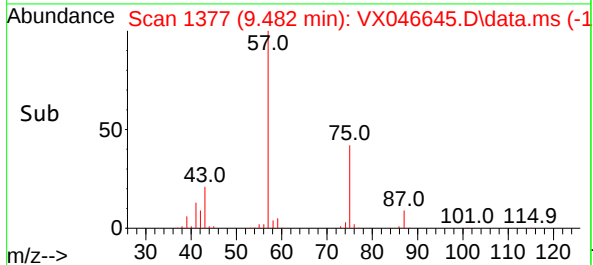
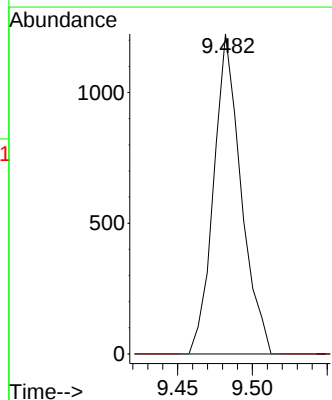
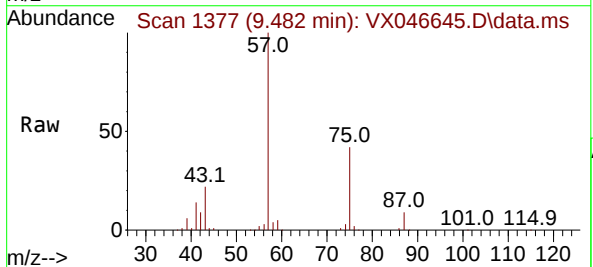
Instrument :
 MSVOA_X
 ClientSampleId :
 TP12-MHK-WC

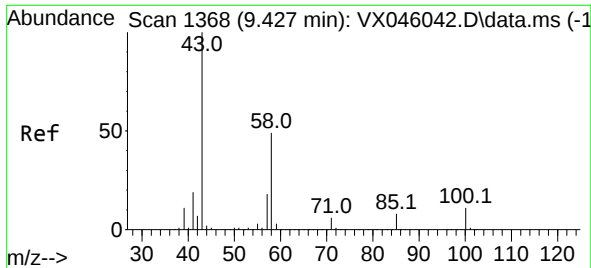
Tgt Ion: 75 Resp: 23057
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 32.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.520 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046645.D
 Acq: 11 Jun 2025 18:15

Tgt Ion: 76 Resp: 1560
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

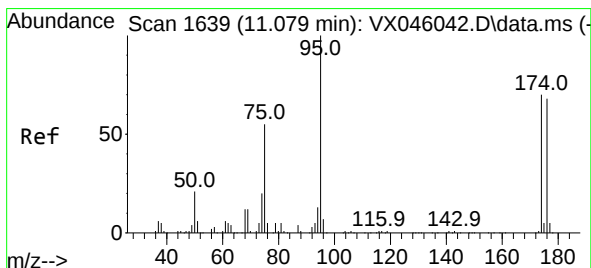
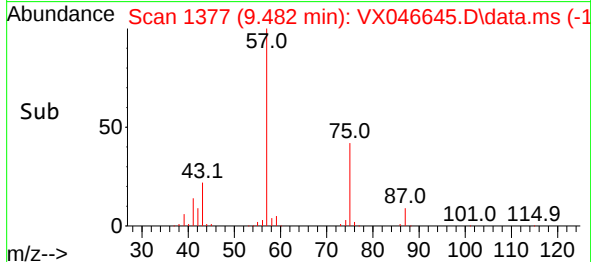
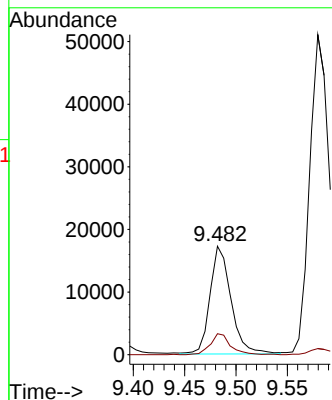
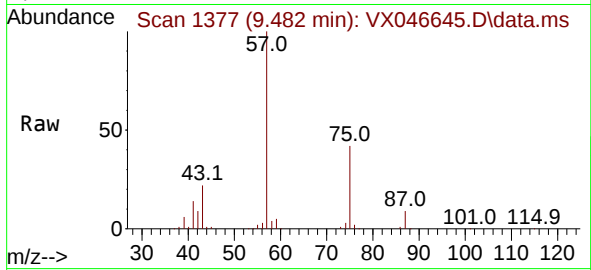




#59
2-Hexanone
Concen: 12.923 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

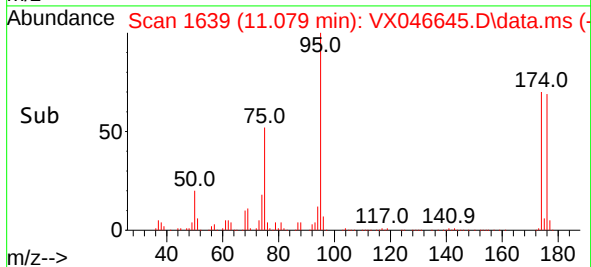
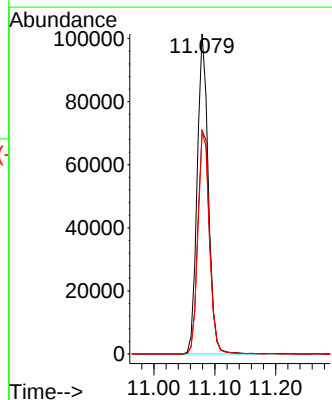
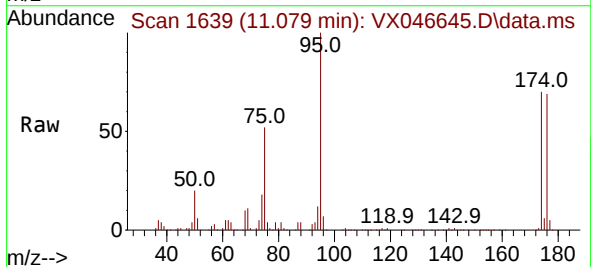
Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

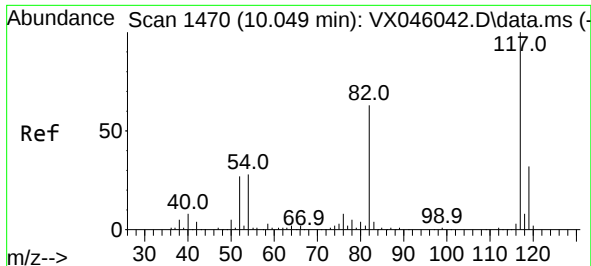
Tgt Ion: 43 Resp: 24502
Ion Ratio Lower Upper
43 100
58 18.8 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 55.058 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion: 95 Resp: 128549
Ion Ratio Lower Upper
95 100
174 73.4 0.0 135.8
176 71.3 0.0 131.4

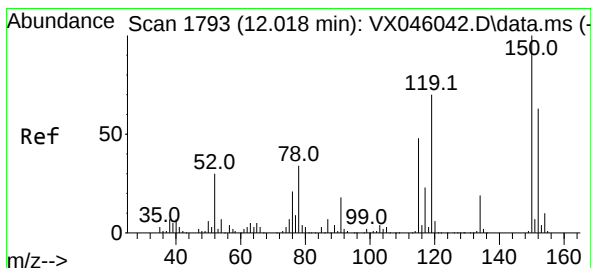
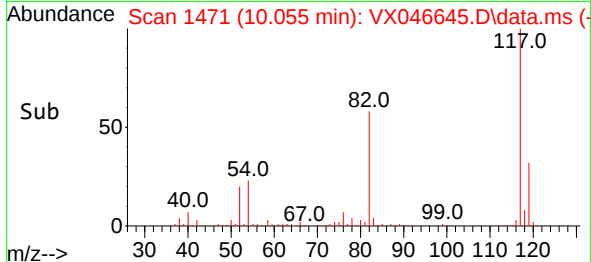
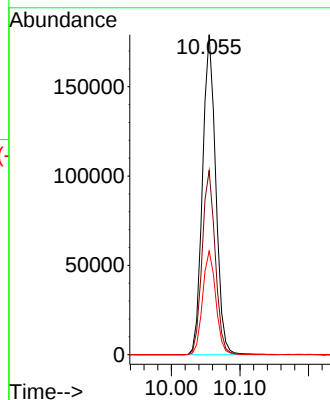
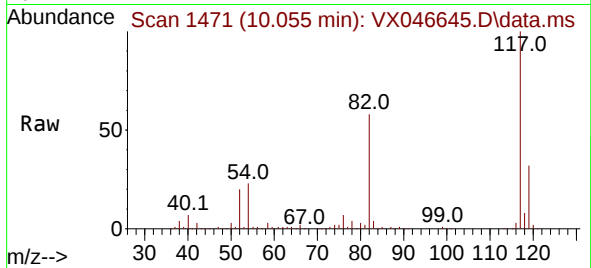




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

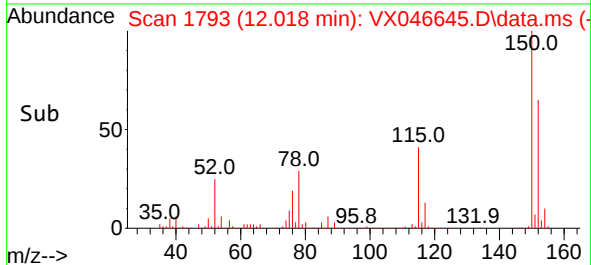
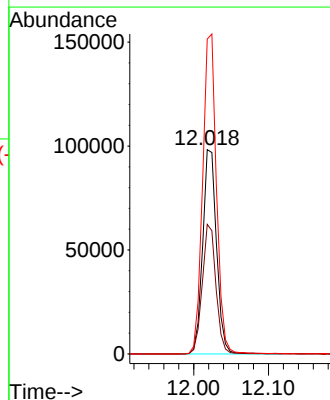
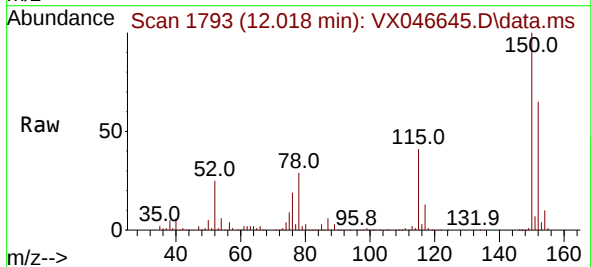
Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

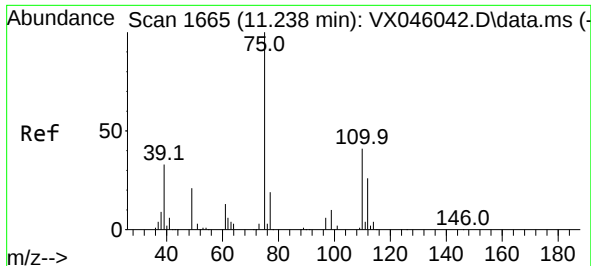
Tgt Ion:117 Resp: 240820
Ion Ratio Lower Upper
117 100
82 57.5 50.6 76.0
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion:152 Resp: 126629
Ion Ratio Lower Upper
152 100
115 62.7 46.9 140.7
150 156.3 0.0 351.0

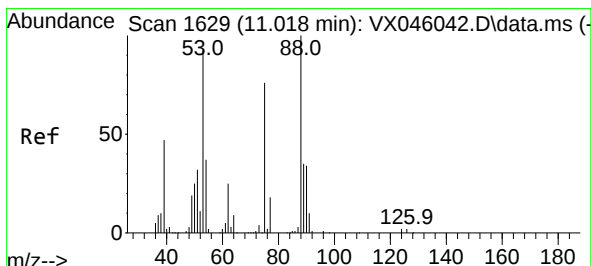
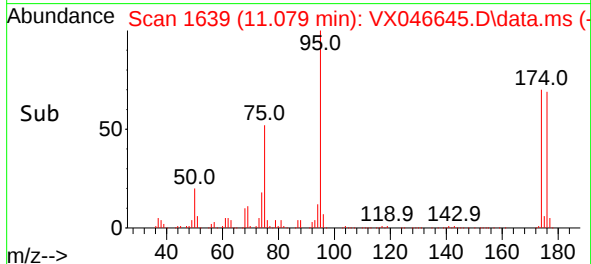
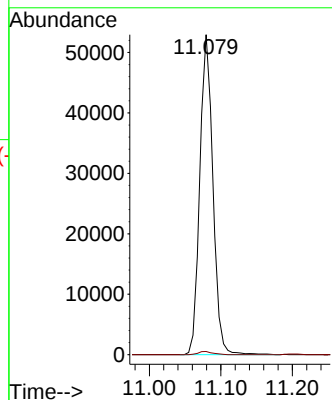
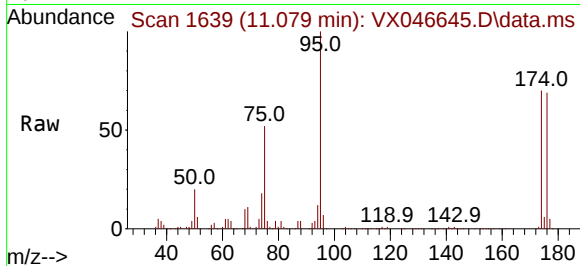




#76
1,2,3-Trichloropropane
Concen: 25.064 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
TP12-MHK-WC

Tgt Ion: 75 Resp: 67226
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.300 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046645.D
Acq: 11 Jun 2025 18:15

Tgt Ion: 75 Resp: 67226
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

