

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046477.D
 Acq On : 03 Jun 2025 16:53
 Operator : JC/MD
 Sample : Q2173-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-400-CF-402B-COMP-25

Quant Time: Jun 04 01:30:30 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)

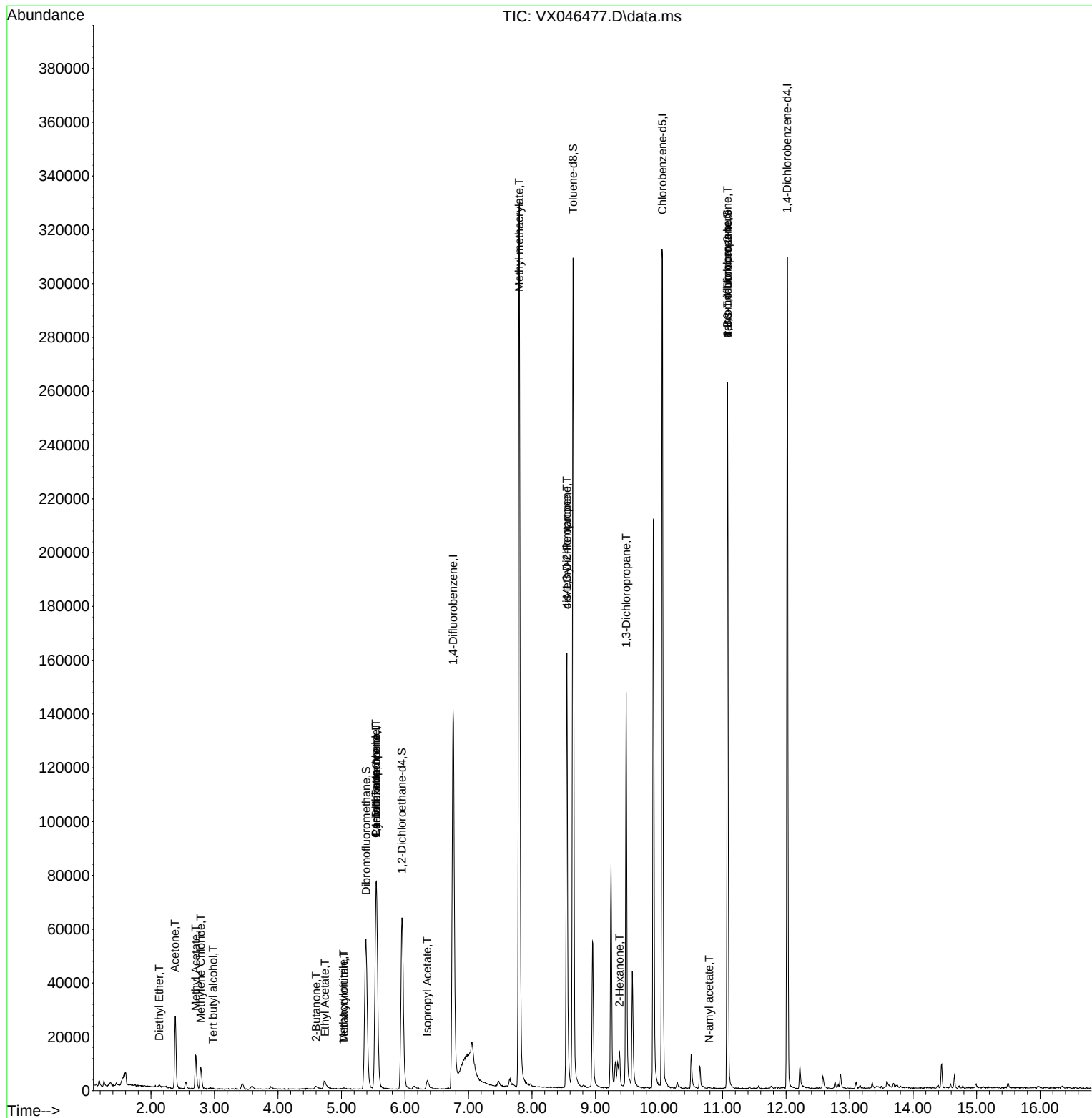
Internal Standards						
1) Pentafluorobenzene	5.550	168	66491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136404	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67012	54.059	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.120%	
35) Dibromofluoromethane	5.385	113	48166	49.036	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.080%	
50) Toluene-d8	8.647	98	171320	50.393	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.780%	
62) 4-Bromofluorobenzene	11.079	95	67985	52.133	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.260%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.130	74	113	0.245	ug/l #	1
11) Tert butyl alcohol	2.977	59	208	1.195	ug/l #	72
16) Acetone	2.380	43	30047	60.454	ug/l	96
18) Methyl Acetate	2.703	43	15526	13.462	ug/l	99
20) Methylene Chloride	2.782	84	3863	4.056	ug/l	87
25) 2-Butanone	4.599	43	2748	3.808	ug/l #	82
29) Tetrahydrofuran	5.038	42	189	0.418	ug/l #	35
31) Cyclohexane	5.550	56	2044	1.384	ug/l #	30
36) 1,1-Dichloropropene	5.544	75	6807	5.158	ug/l #	50
37) Ethyl Acetate	4.739	43	6961	4.269	ug/l #	88
38) Carbon Tetrachloride	5.544	117	7954	5.364	ug/l #	16
41) Methacrylonitrile	5.032	41	255	0.299	ug/l #	36
43) Isopropyl Acetate	6.348	43	5039	2.026	ug/l #	91
48) Methyl methacrylate	7.799	41	31912	25.120	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	59626	36.111	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	23644	16.118	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	1171	0.698	ug/l #	42
59) 2-Hexanone	9.378	43	12724	10.416	ug/l #	28
74) N-amyl acetate	10.787	43	470	0.219	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	39122	29.117	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	39122	94.796	ug/l #	1

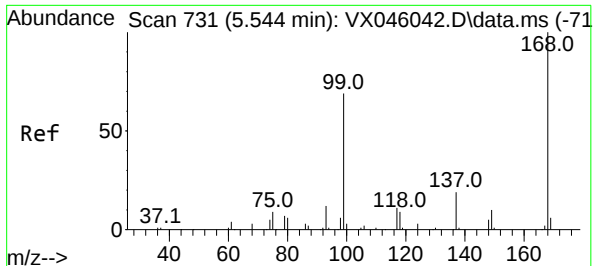
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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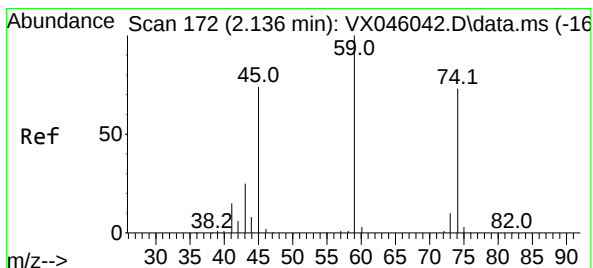
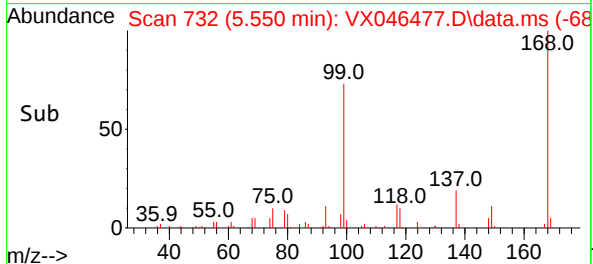
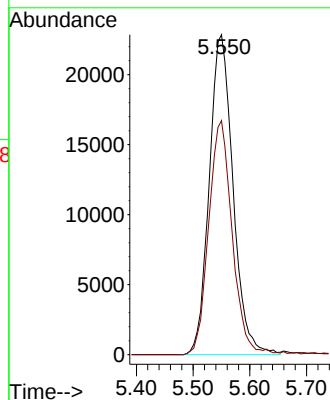
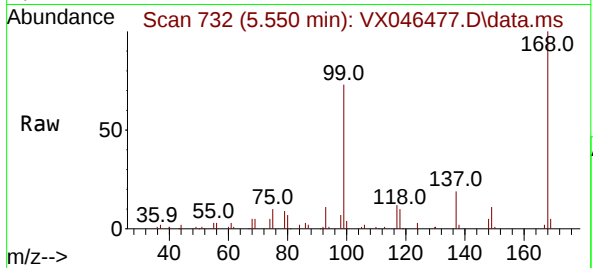




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

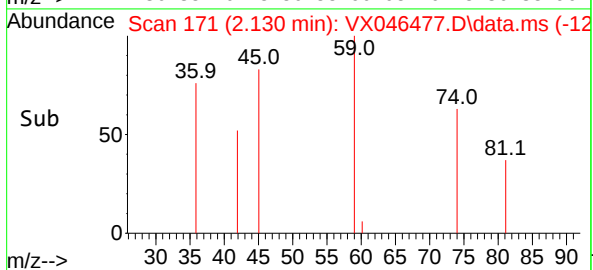
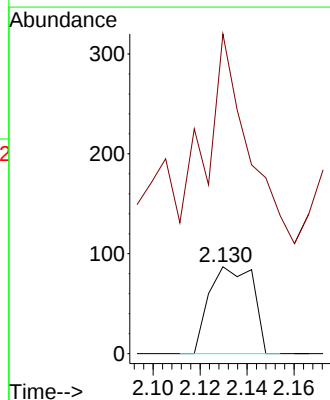
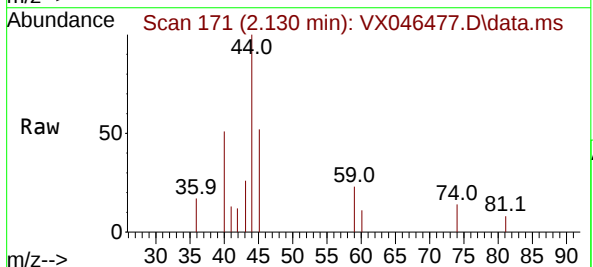
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-25

Tgt Ion:168 Resp: 66491
Ion Ratio Lower Upper
168 100
99 73.2 54.9 82.3



#8
Diethyl Ether
Concen: 0.245 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion: 74 Resp: 113
Ion Ratio Lower Upper
74 100
45 223.9 54.9 164.8#

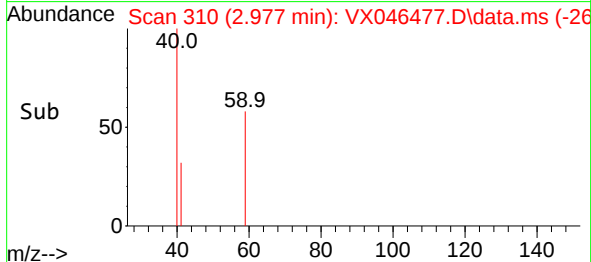
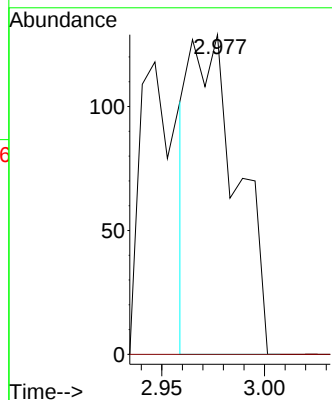
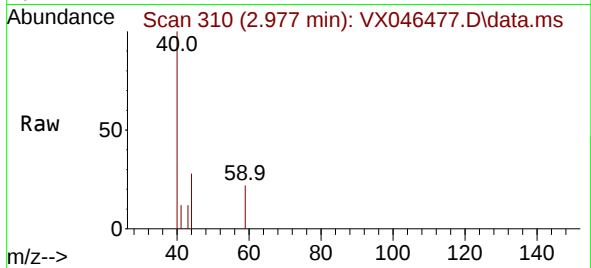




#11
Tert butyl alcohol
Concen: 1.195 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

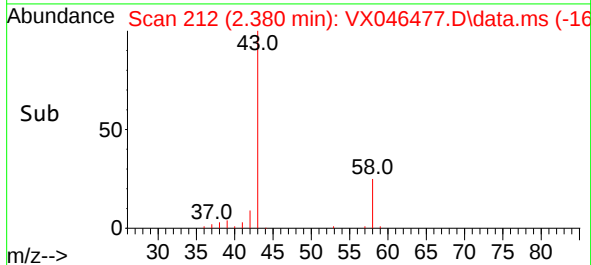
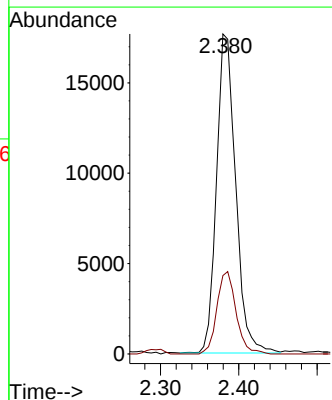
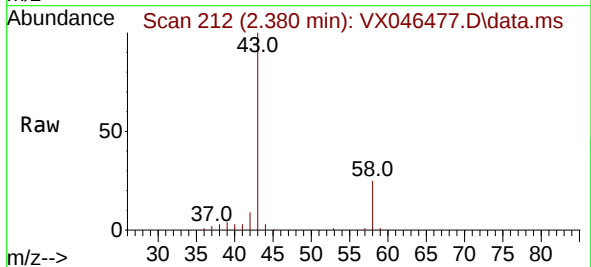
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-25

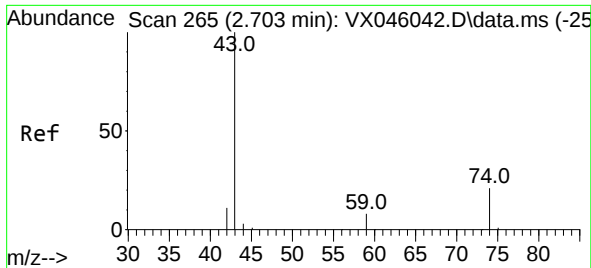
Tgt Ion: 59 Resp: 208
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 60.454 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion: 43 Resp: 30047
Ion Ratio Lower Upper
43 100
58 24.6 21.2 31.8

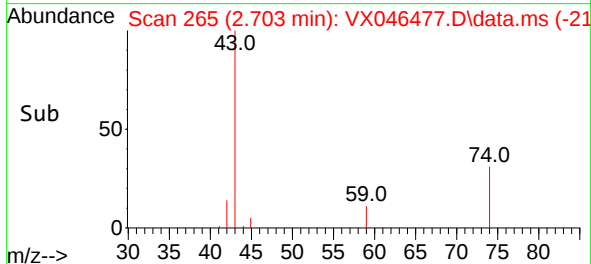
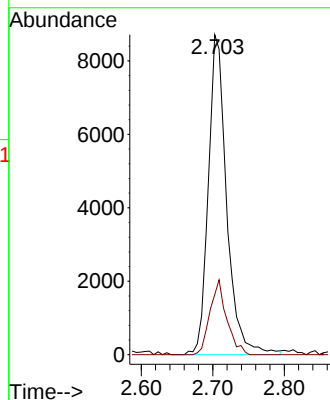
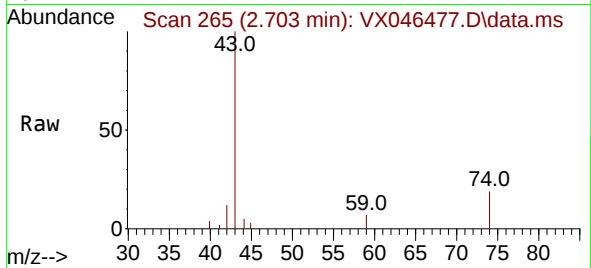




#18
Methyl Acetate
Concen: 13.462 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

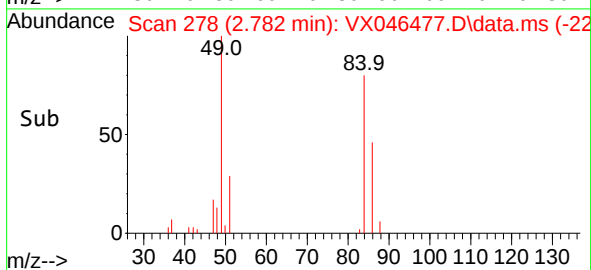
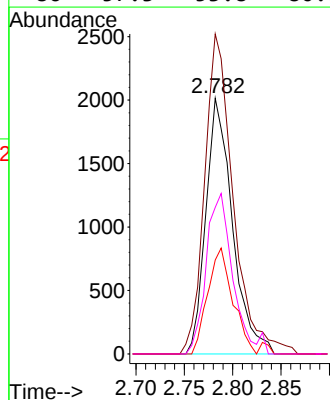
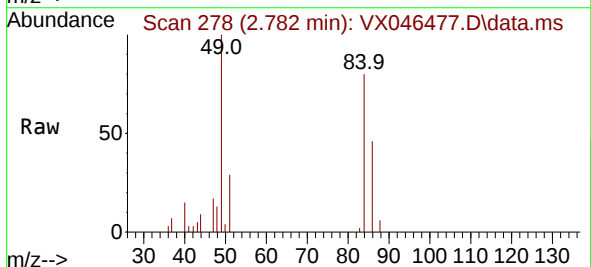
Instrument :
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ClientSampleId :
OR-400-CF-402B-COMP-25

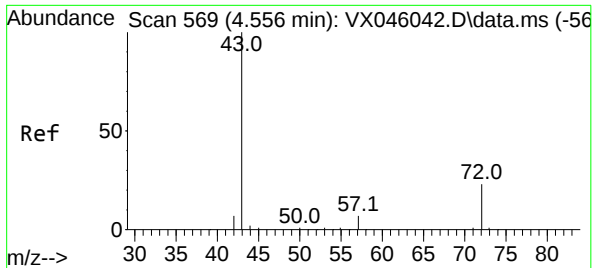
Tgt Ion: 43 Resp: 15526
Ion Ratio Lower Upper
43 100
74 21.3 16.7 25.1



#20
Methylene Chloride
Concen: 4.056 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion: 84 Resp: 3863
Ion Ratio Lower Upper
84 100
49 125.2 113.9 170.9
51 36.7 33.5 50.3
86 57.3 53.8 80.8

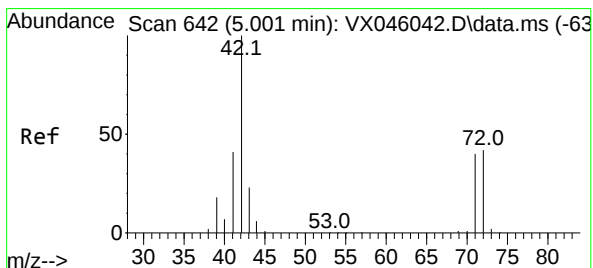
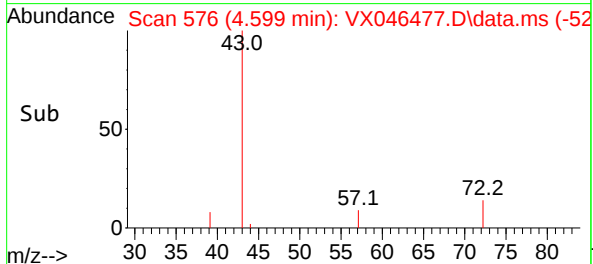
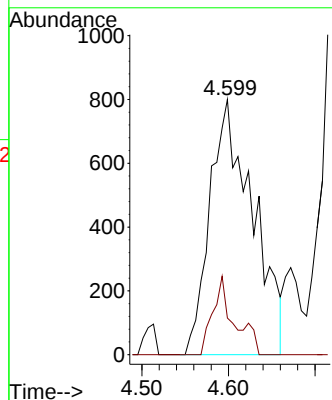
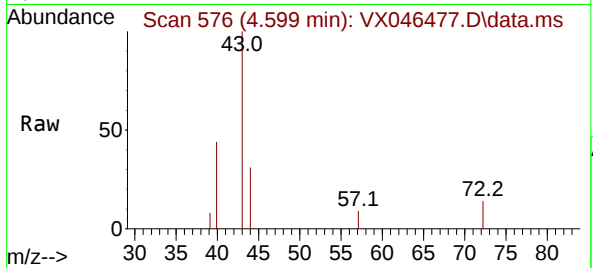




#25
2-Butanone
Concen: 3.808 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

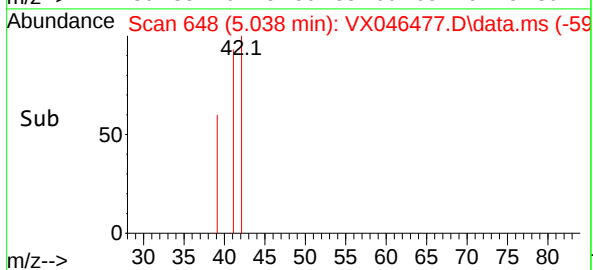
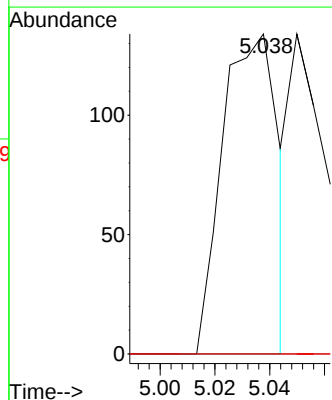
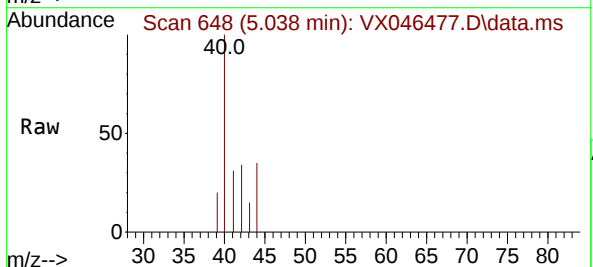
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-25

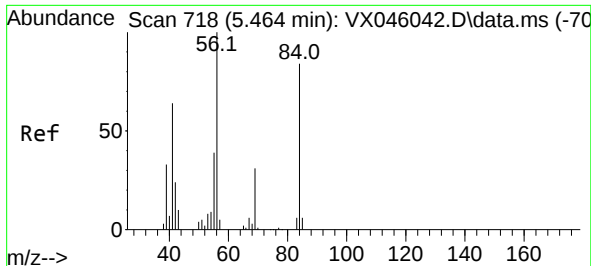
Tgt Ion: 43 Resp: 2748
Ion Ratio Lower Upper
43 100
72 14.4 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.418 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion: 42 Resp: 189
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#

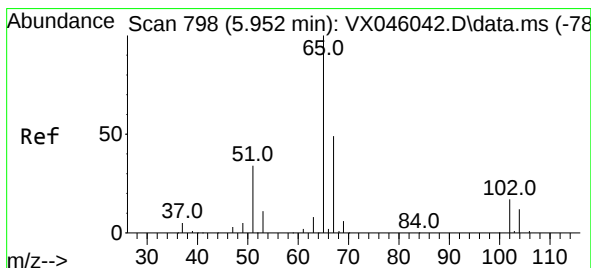
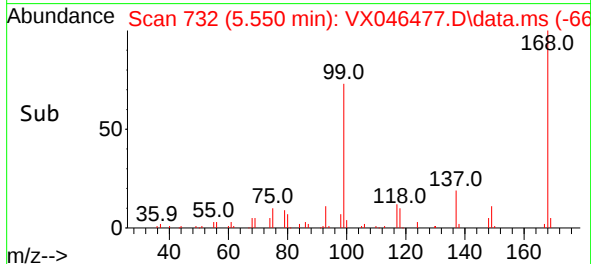
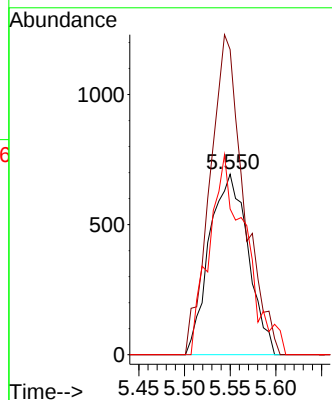
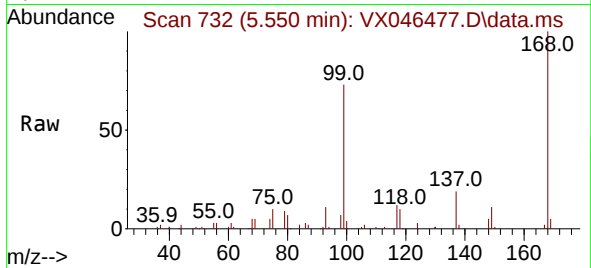




#31
Cyclohexane
Concen: 1.384 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

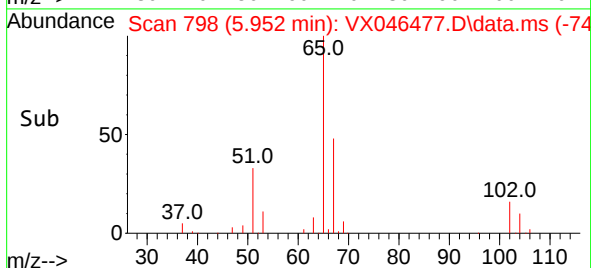
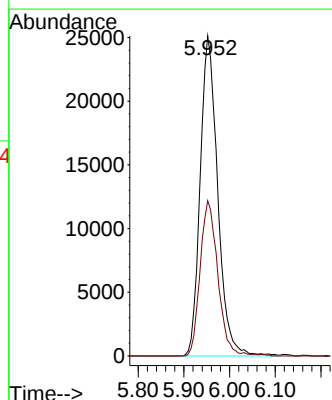
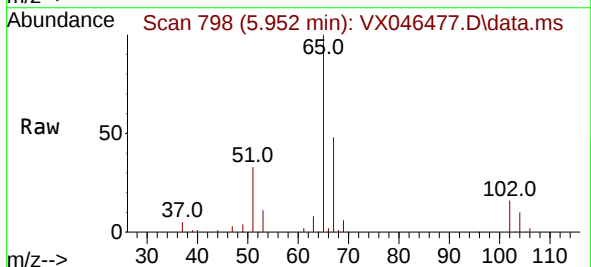
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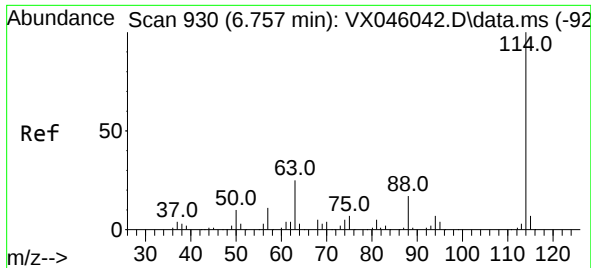
Tgt Ion: 56 Resp: 2044
Ion Ratio Lower Upper
56 100
69 169.0 24.4 36.6#
84 80.7 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 54.059 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion: 65 Resp: 67012
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.0

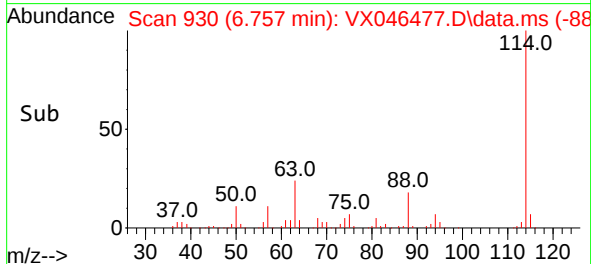
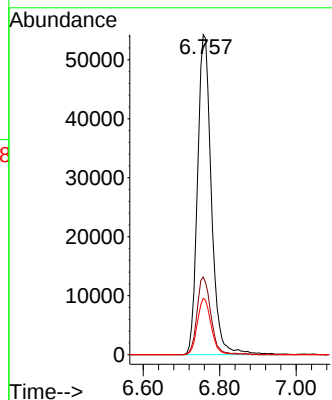
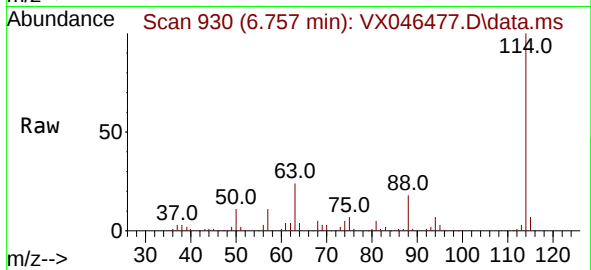




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

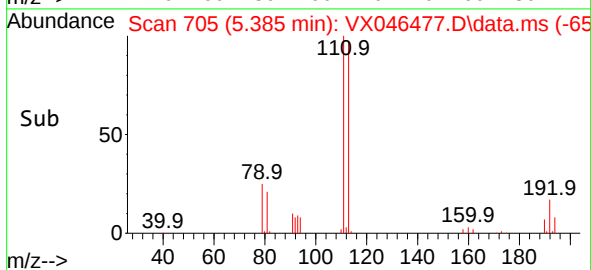
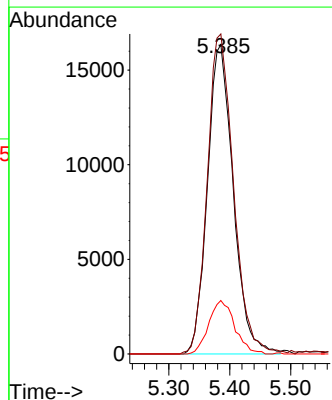
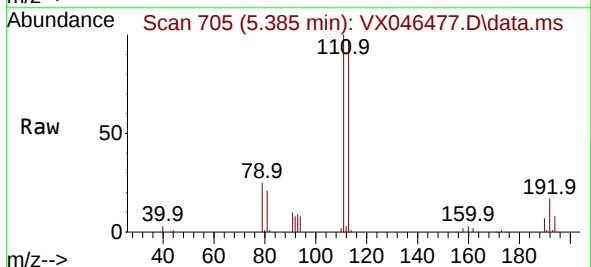
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Tgt Ion:114 Resp: 136404
Ion Ratio Lower Upper
114 100
63 24.2 0.0 49.2
88 17.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.036 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion:113 Resp: 48166
Ion Ratio Lower Upper
113 100
111 105.1 83.1 124.7
192 17.4 13.3 19.9

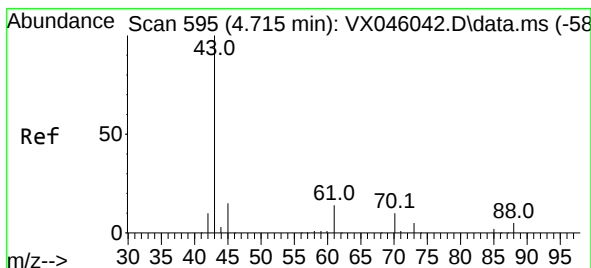
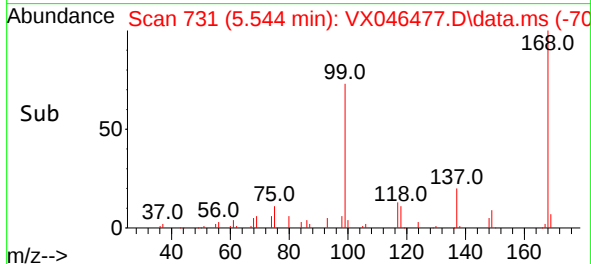
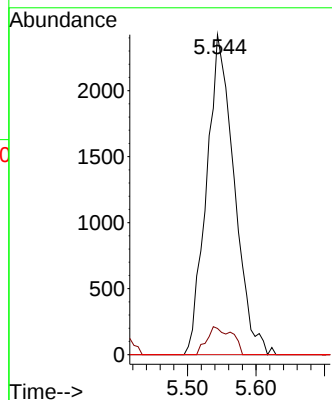
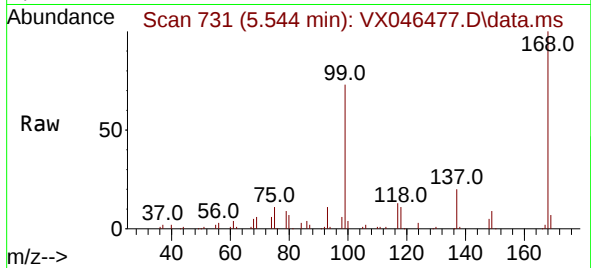




#36
1,1-Dichloropropene
Concen: 5.158 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

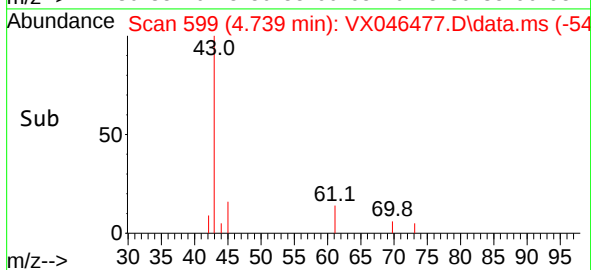
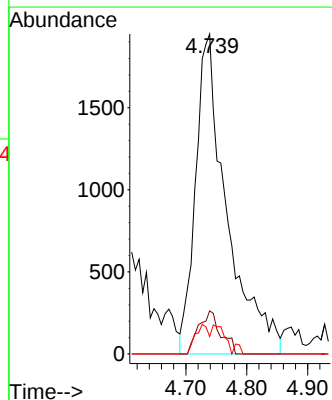
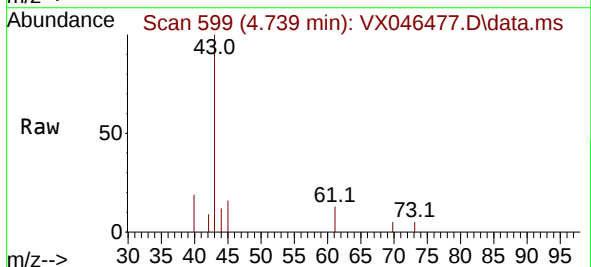
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-25

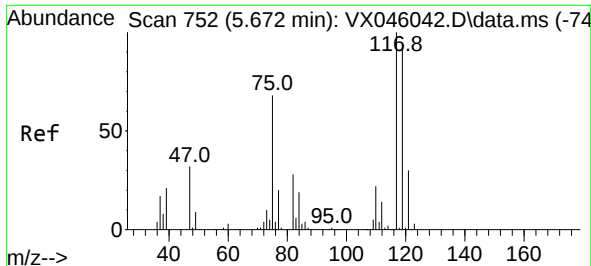
Tgt Ion: 75 Resp: 6807
Ion Ratio Lower Upper
75 100
110 7.8 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 4.269 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

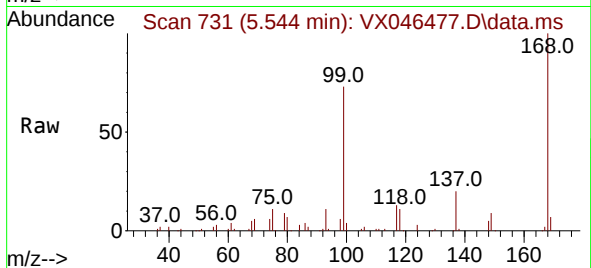
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Ion Ratio Lower Upper
43 100
61 9.5 10.3 15.5#
70 3.6 7.9 11.9#



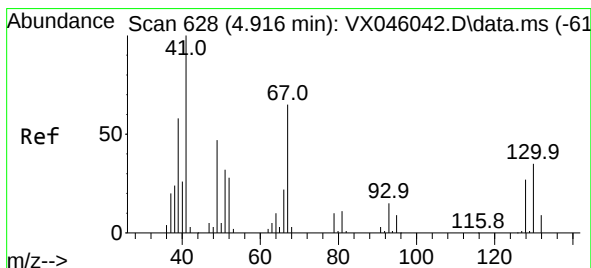
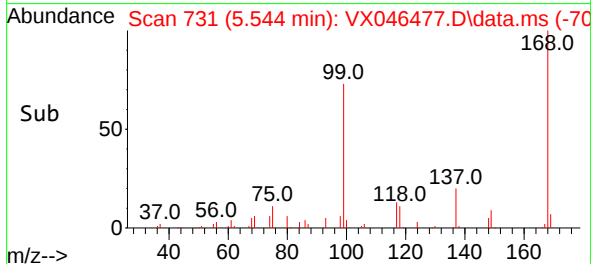
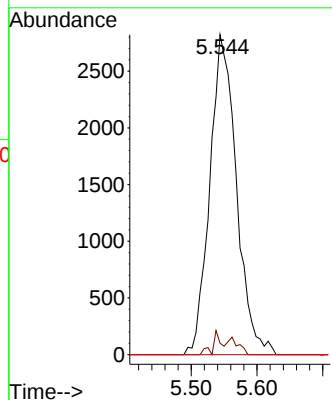


#38
Carbon Tetrachloride
Concen: 5.364 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-25

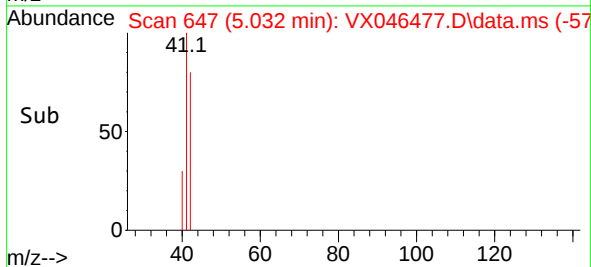
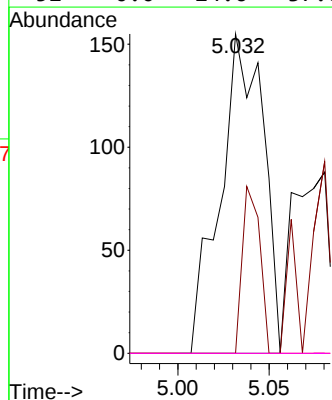
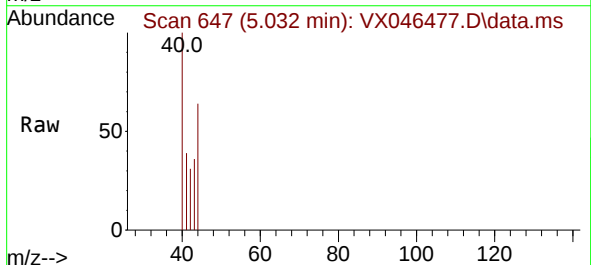


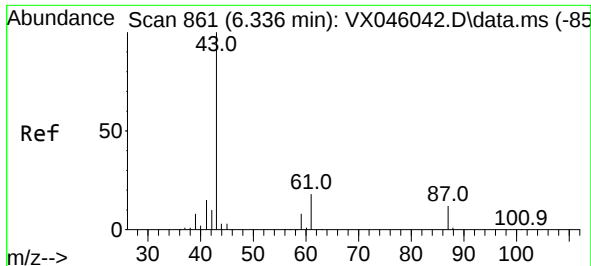
Tgt Ion:117 Resp: 7954
Ion Ratio Lower Upper
117 100
119 3.6 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.299 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion: 41 Resp: 255
Ion Ratio Lower Upper
41 100
39 21.2 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

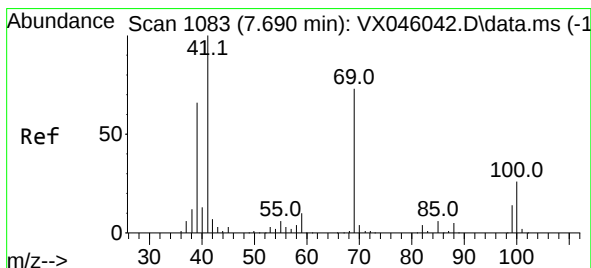
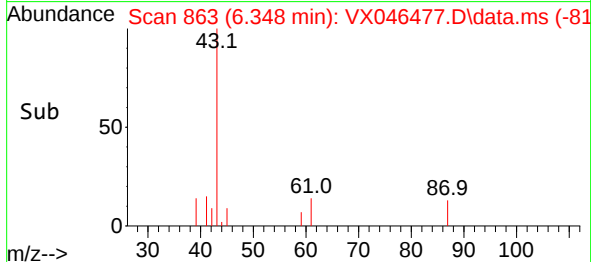
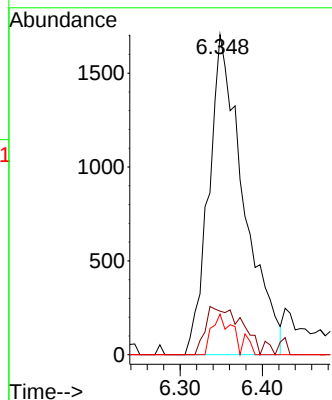
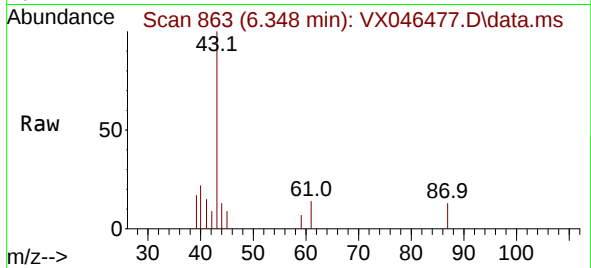




#43
Isopropyl Acetate
Concen: 2.026 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

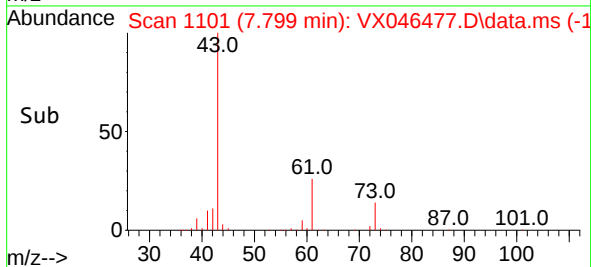
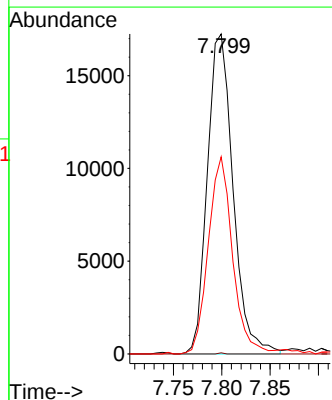
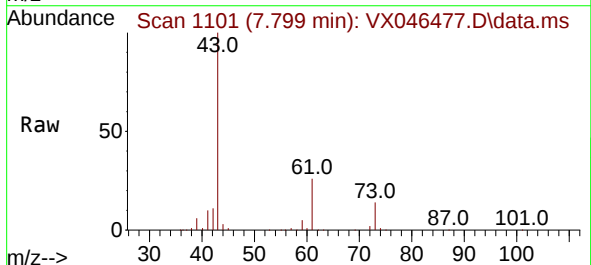
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-25

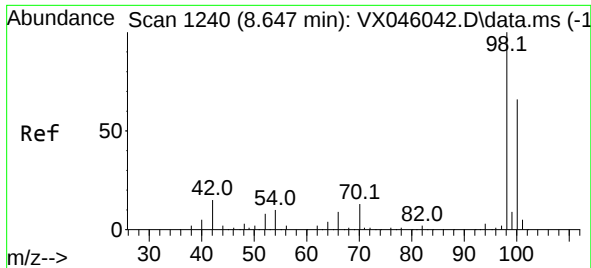
Tgt Ion: 43 Resp: 5039
Ion Ratio Lower Upper
43 100
61 15.3 14.3 21.5
87 7.0 9.5 14.3#



#48
Methyl methacrylate
Concen: 25.120 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion: 41 Resp: 31912
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 58.1 51.7 77.5

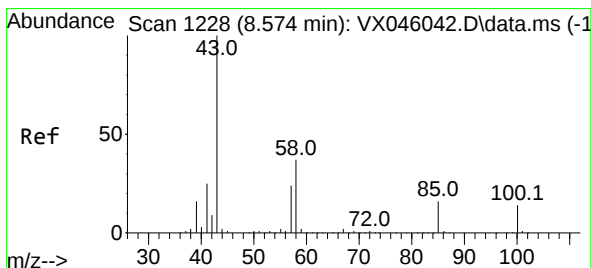
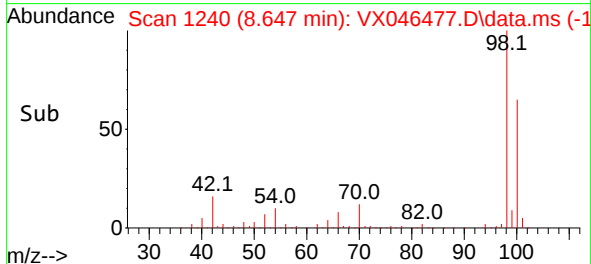
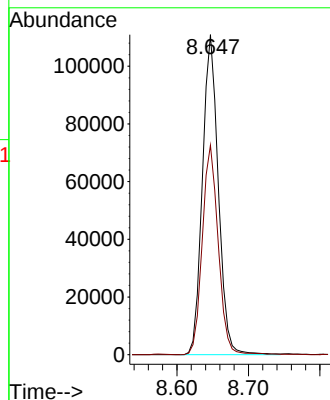
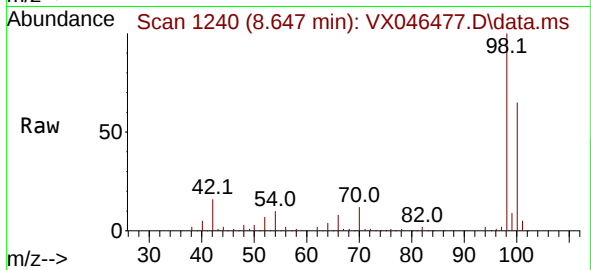




#50
Toluene-d8
Concen: 50.393 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

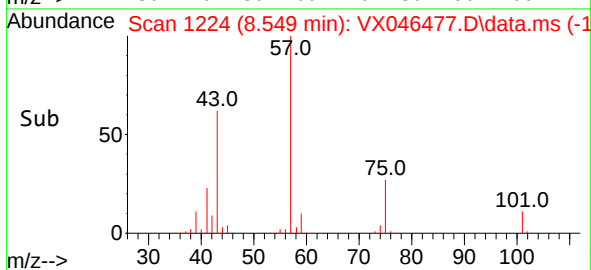
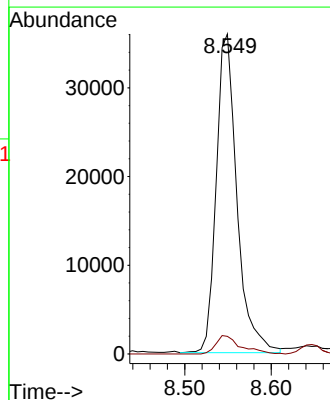
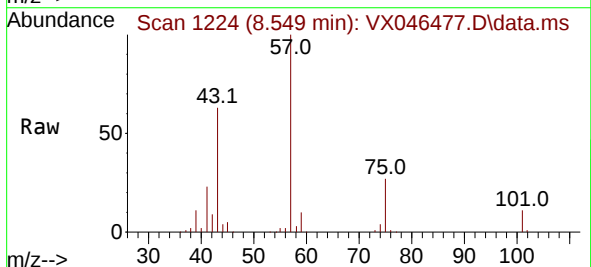
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-25

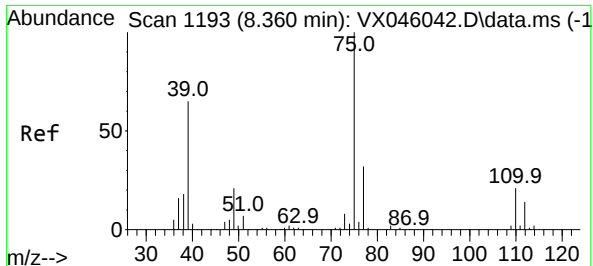
Tgt Ion: 98 Resp: 171320
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 36.111 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion: 43 Resp: 59626
Ion Ratio Lower Upper
43 100
58 6.9 28.9 43.3#

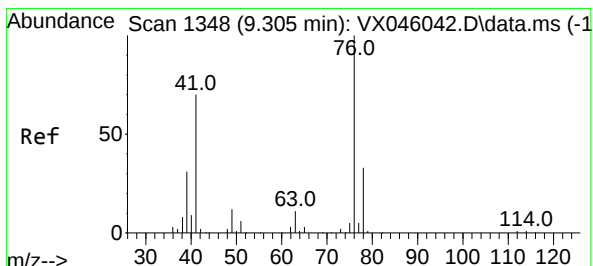
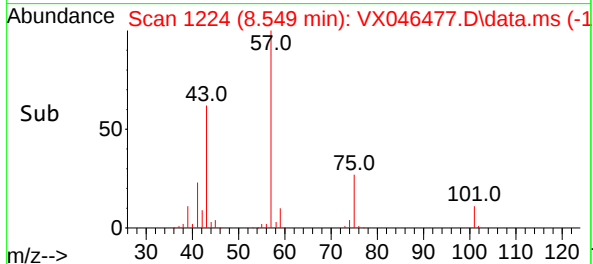
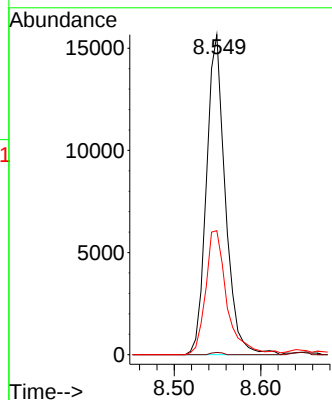
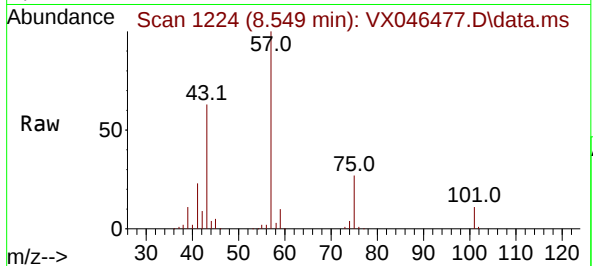




#54
 cis-1,3-Dichloropropene
 Concen: 16.118 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046477.D
 Acq: 03 Jun 2025 16:53

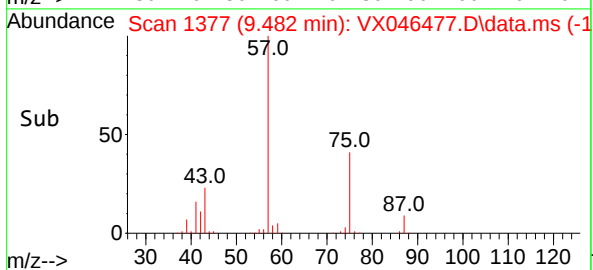
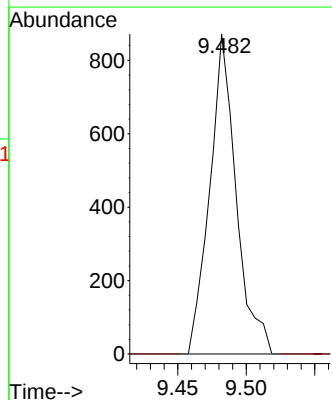
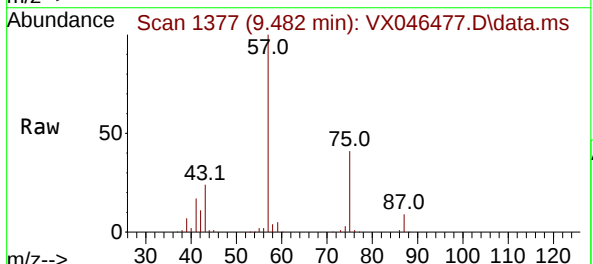
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-400-CF-402B-COMP-25

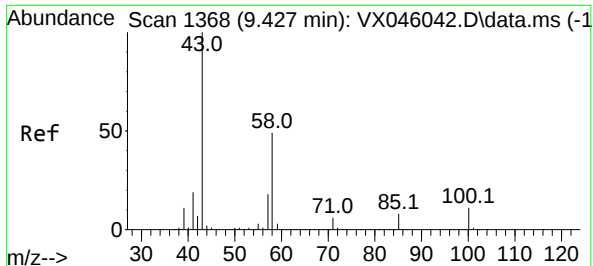
Tgt Ion: 75 Resp: 23644
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.0#
 39 38.8 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.698 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046477.D
 Acq: 03 Jun 2025 16:53

Tgt Ion: 76 Resp: 1171
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

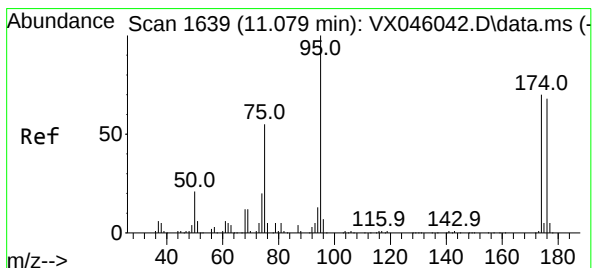
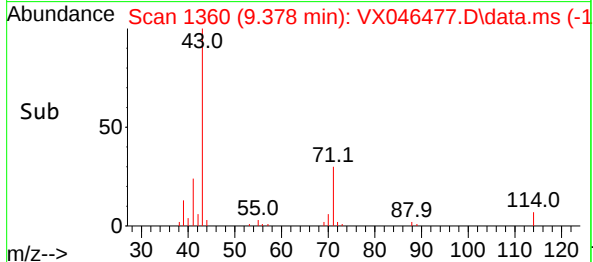
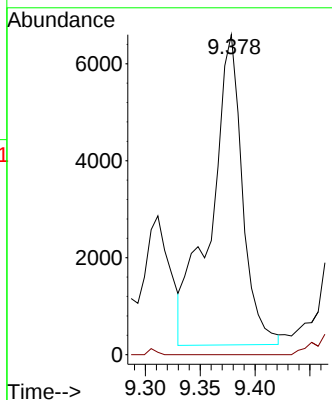
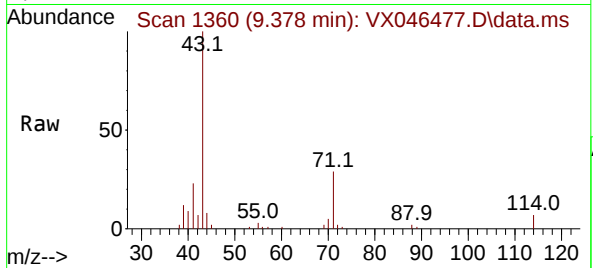




#59
2-Hexanone
Concen: 10.416 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

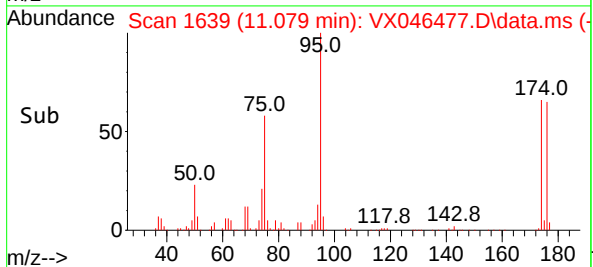
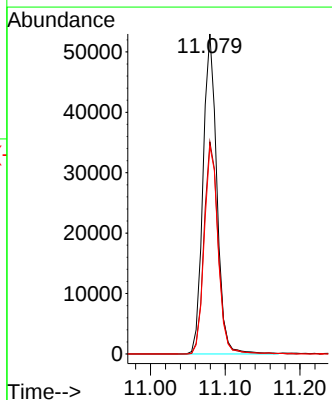
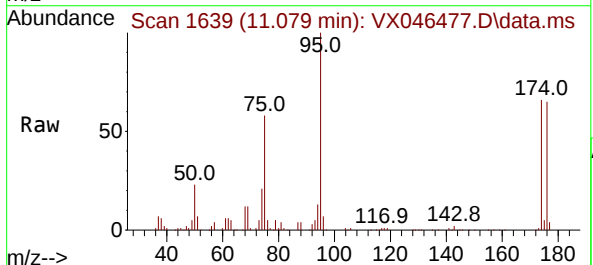
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-25

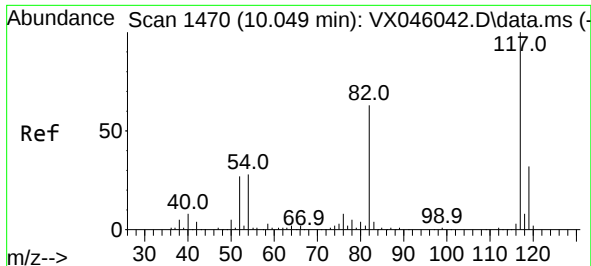
Tgt Ion: 43 Resp: 12724
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.133 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion: 95 Resp: 67985
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 65.2 0.0 131.4

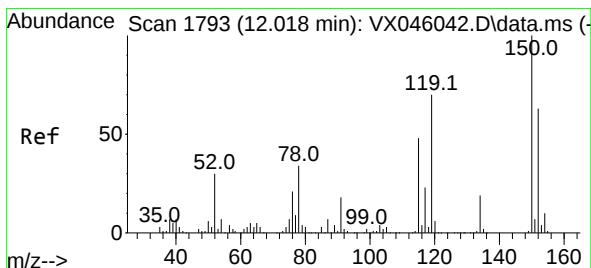
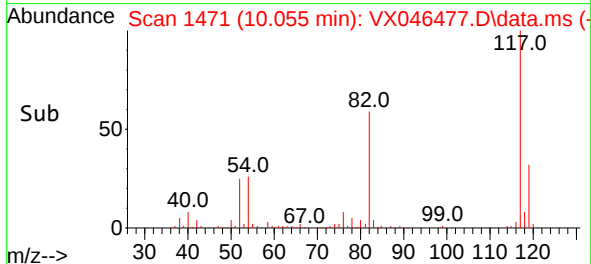
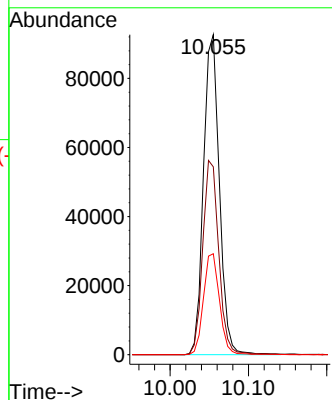
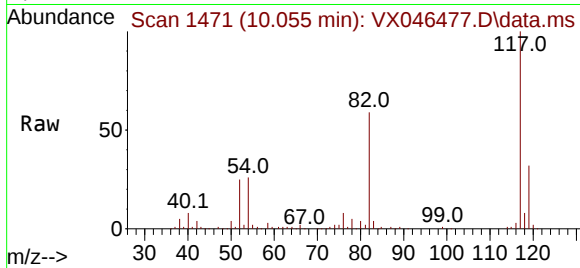




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

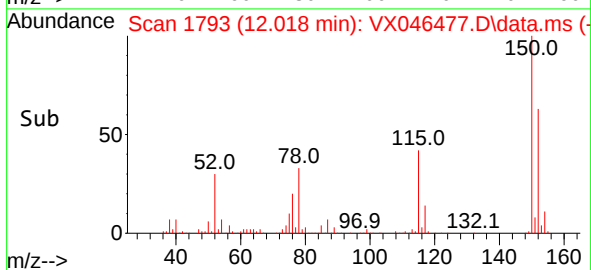
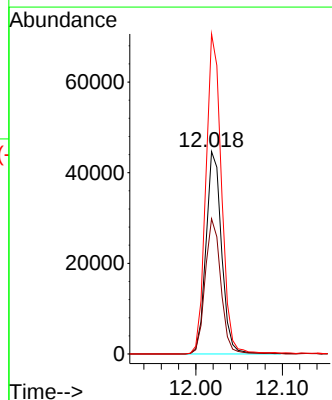
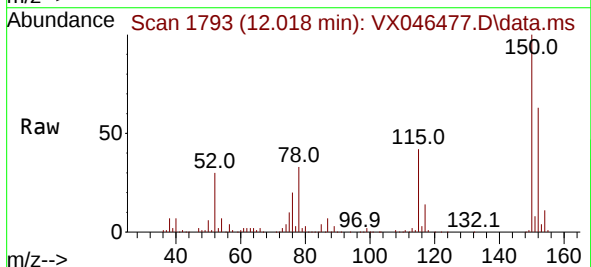
Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-25

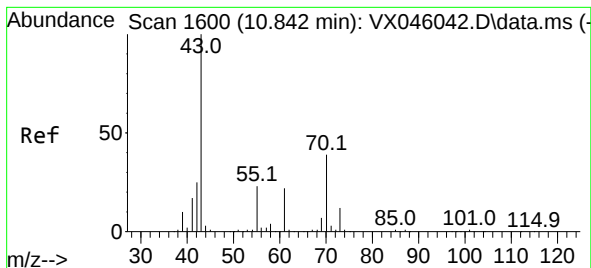
Tgt Ion:117 Resp: 130321
Ion Ratio Lower Upper
117 100
82 58.7 50.6 76.0
119 31.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Tgt Ion:152 Resp: 55820
Ion Ratio Lower Upper
152 100
115 67.0 46.9 140.7
150 158.6 0.0 351.0





#74

N-amy1 acetate

Concen: 0.219 ug/l

RT: 10.787 min Scan# 1

Delta R.T. -0.055 min

Lab File: VX046477.D

Acq: 03 Jun 2025 16:53

Instrument :

MSVOA_X

ClientSampleId :

OR-400-CF-402B-COMP-25

Tgt Ion: 43 Resp: 470

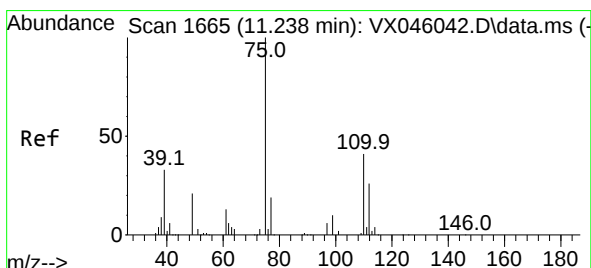
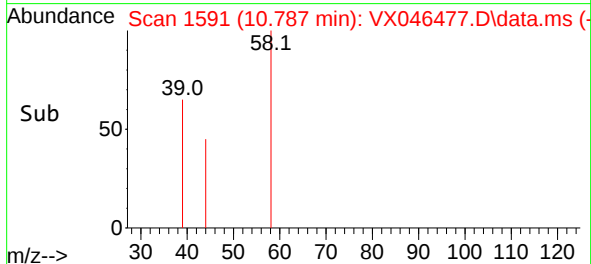
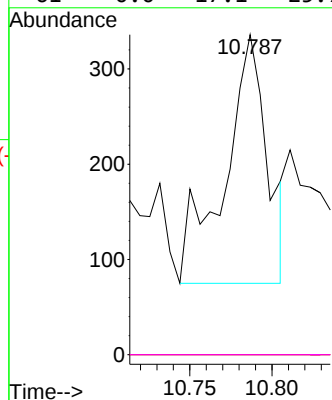
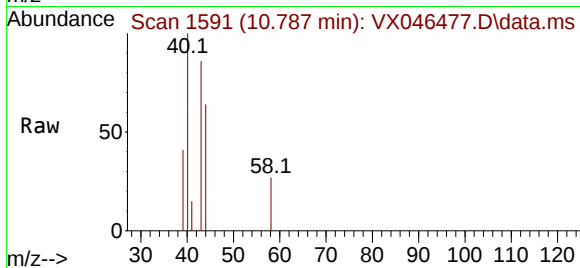
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 0.0 18.7 28.1#

61 0.0 17.1 25.7#



#76

1,2,3-Trichloropropane

Concen: 29.117 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046477.D

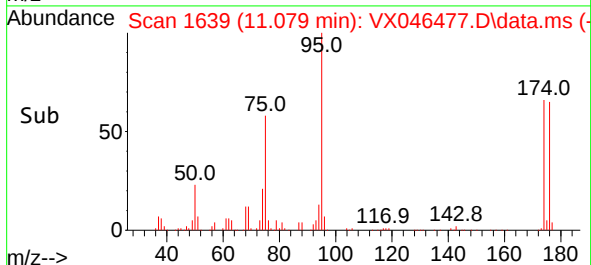
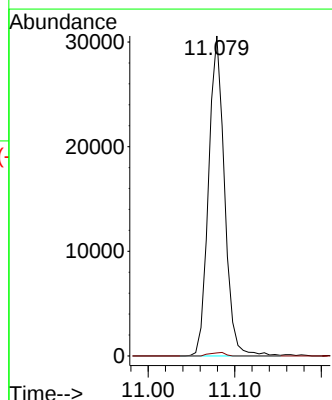
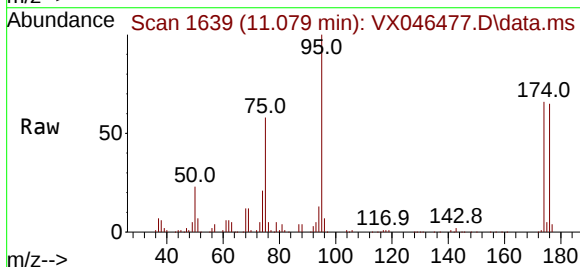
Acq: 03 Jun 2025 16:53

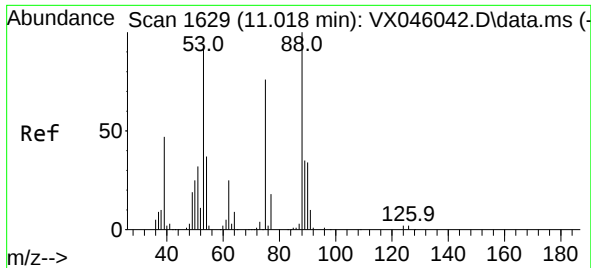
Tgt Ion: 75 Resp: 39122

Ion Ratio Lower Upper

75 100

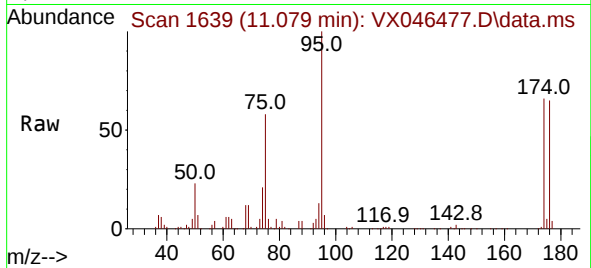
77 1.0 20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 94.796 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046477.D
Acq: 03 Jun 2025 16:53

Instrument :
MSVOA_X
ClientSampleId :
OR-400-CF-402B-COMP-25



Tgt Ion: 75 Resp: 39122
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

