

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046261.D
 Acq On : 19 May 2025 12:40
 Operator : JC/MD
 Sample : Q2052-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-B

Quant Time: May 19 23:09:14 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)

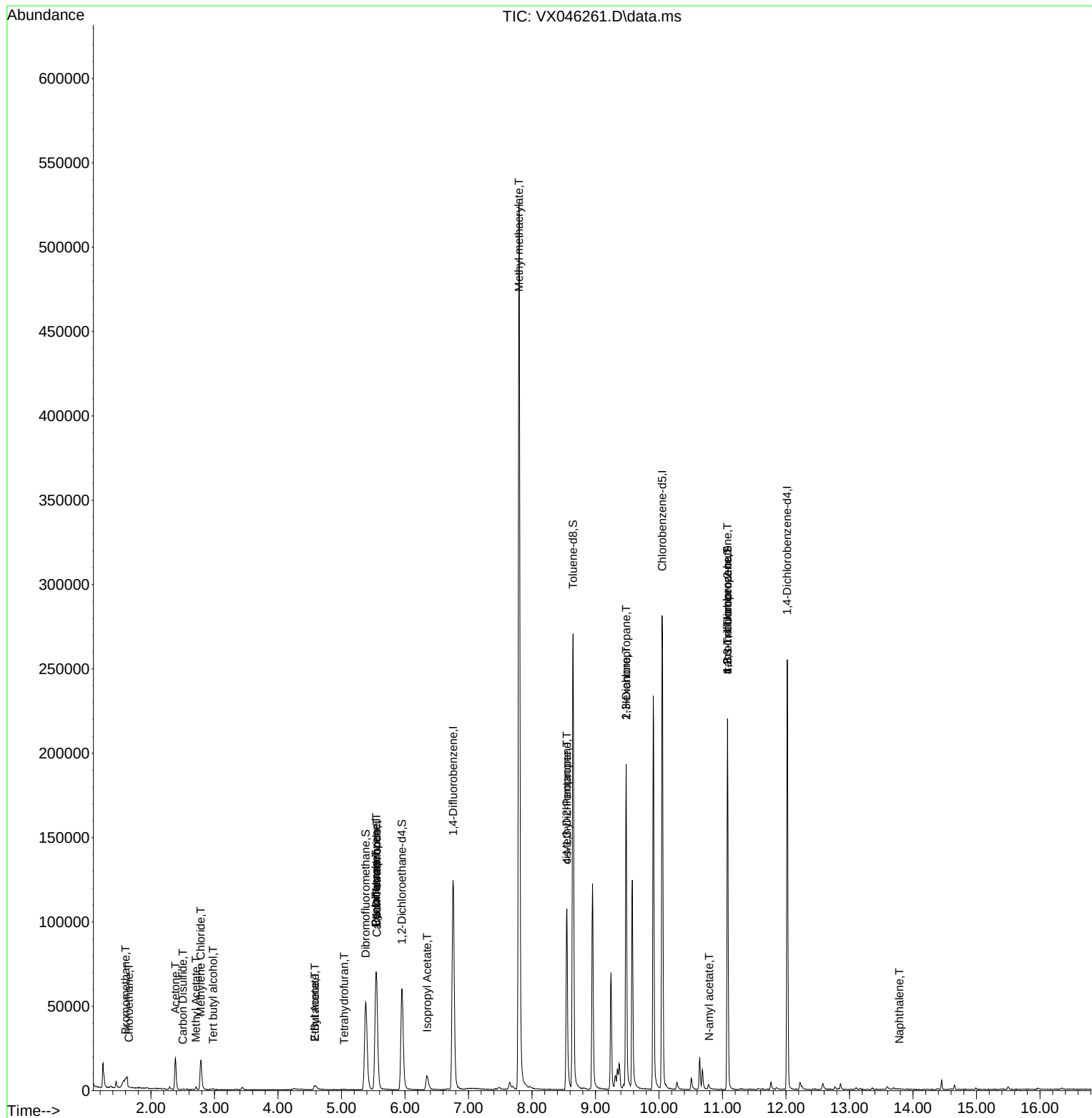
Internal Standards						
1) Pentafluorobenzene	5.544	168	61914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119637	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61748	53.495	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.000%			
35) Dibromofluoromethane	5.379	113	44417	51.557	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.120%			
50) Toluene-d8	8.647	98	152369	51.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.200%			
62) 4-Bromofluorobenzene	11.079	95	57812	50.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.080%			
Target Compounds						Qvalue
5) Bromomethane	1.599	94	147	0.371	ug/l	94
6) Chloroethane	1.654	64	485	1.062	ug/l #	44
11) Tert butyl alcohol	2.977	59	739	4.561	ug/l #	72
16) Acetone	2.386	43	20724	44.779	ug/l	100
17) Carbon Disulfide	2.502	76	361	0.207	ug/l #	76
18) Methyl Acetate	2.709	43	1740	1.620	ug/l	98
20) Methylene Chloride	2.782	84	8756	9.873	ug/l #	83
25) 2-Butanone	4.581	43	5657	8.419	ug/l	98
29) Tetrahydrofuran	5.044	42	312	0.741	ug/l #	35
31) Cyclohexane	5.544	56	1794	1.304	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	6135	5.300	ug/l #	51
37) Ethyl Acetate	4.581	43	5657	3.956	ug/l #	70
38) Carbon Tetrachloride	5.556	117	7133	5.484	ug/l #	16
43) Isopropyl Acetate	6.349	43	12942	5.932	ug/l	97
48) Methyl methacrylate	7.793	41	51832	46.518	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	42052	29.037	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	16002	12.437	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1624	1.103	ug/l #	42
59) 2-Hexanone	9.482	43	27459	25.628	ug/l #	53
74) N-amyl acetate	10.787	43	2074	1.186	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	32666	29.847	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32666	97.173	ug/l #	1
95) Naphthalene	13.786	128	754	0.238	ug/l #	73

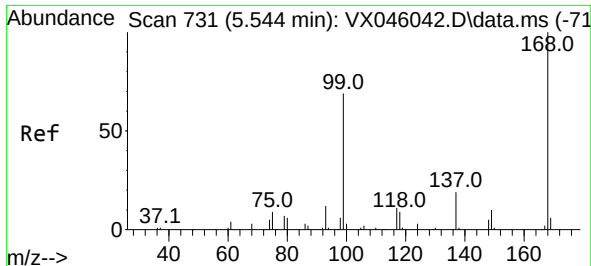
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
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Quant Time: May 19 23:09:14 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

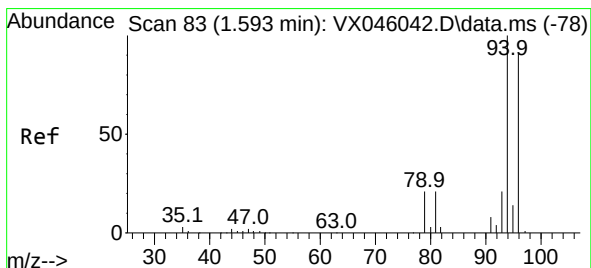
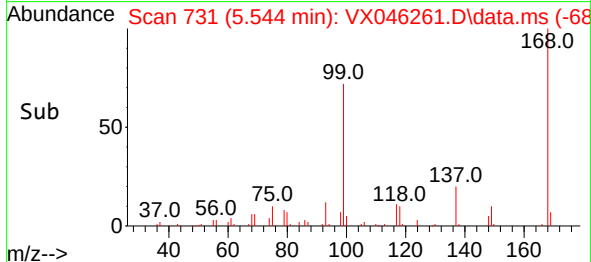
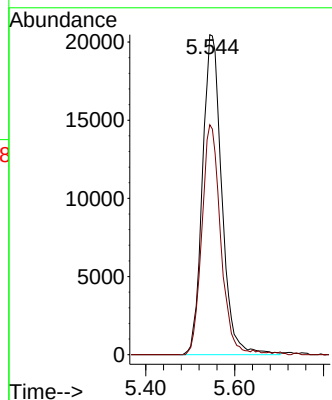
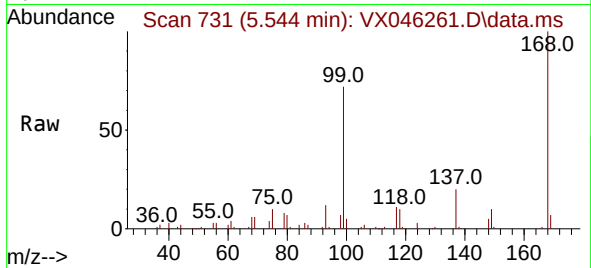




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

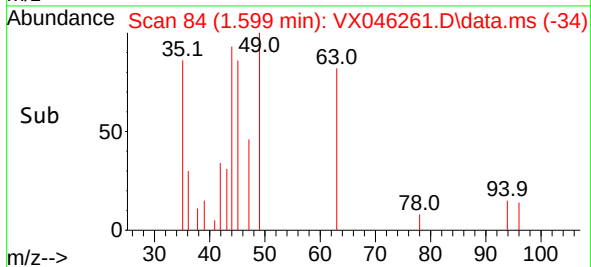
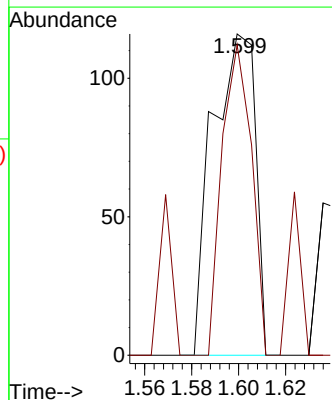
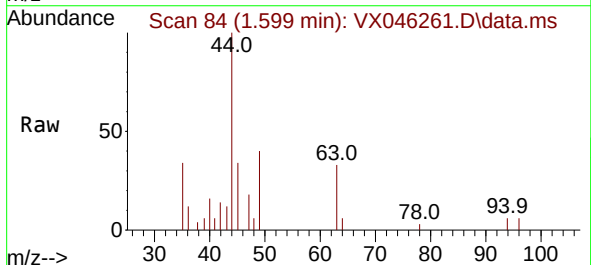
Instrument :
MSVOA_X
ClientSampleId :
TP-B

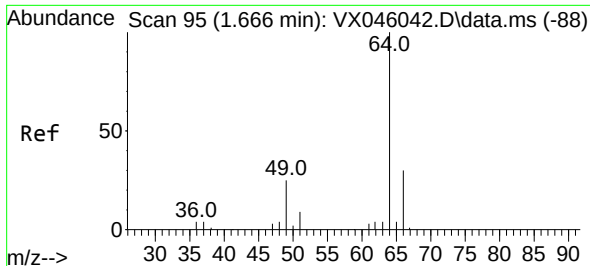
Tgt Ion:168 Resp: 61914
Ion Ratio Lower Upper
168 100
99 71.9 54.9 82.3



#5
Bromomethane
Concen: 0.371 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Tgt Ion: 94 Resp: 147
Ion Ratio Lower Upper
94 100
96 96.6 72.8 109.2

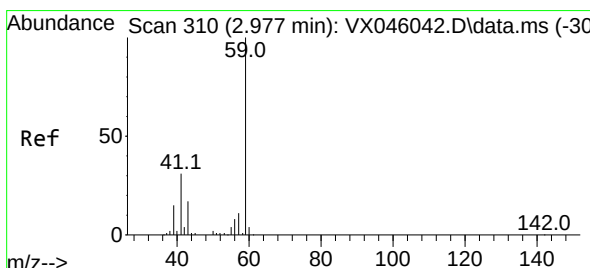
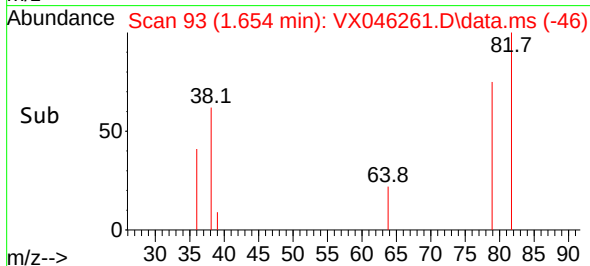
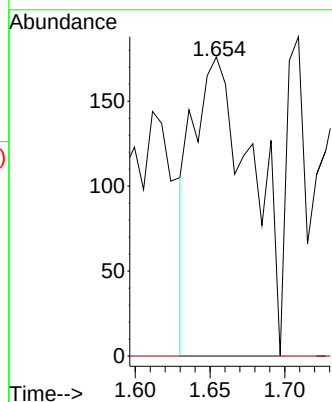
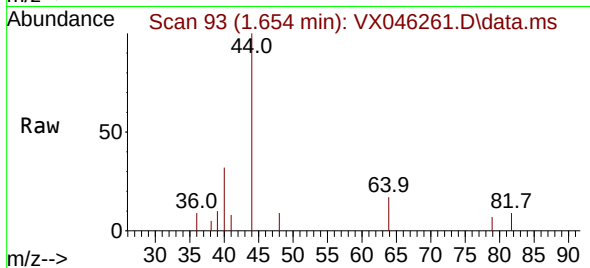




#6
Chloroethane
Concen: 1.062 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

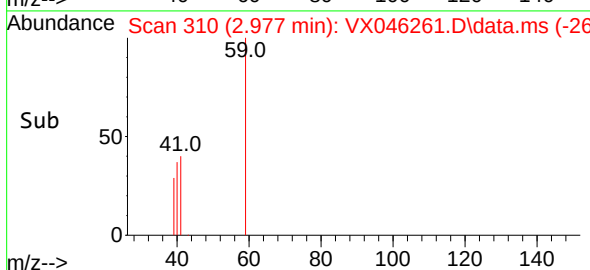
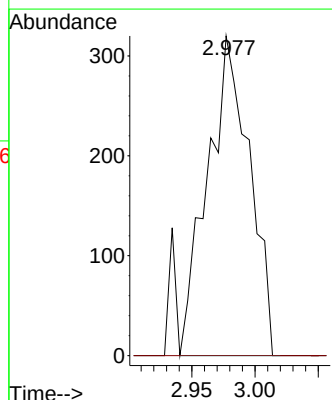
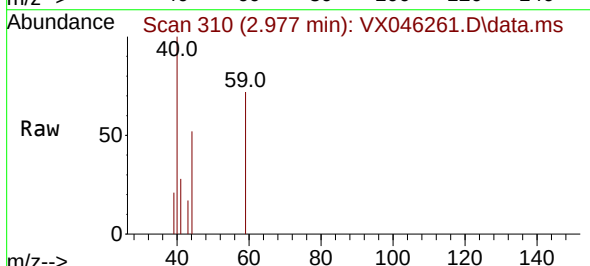
Instrument :
MSVOA_X
ClientSampleId :
TP-B

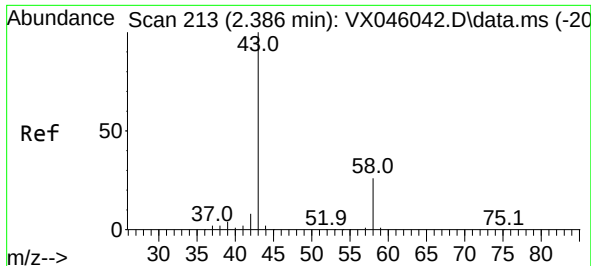
Tgt Ion: 64 Resp: 485
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#11
Tert butyl alcohol
Concen: 4.561 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Tgt Ion: 59 Resp: 739
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

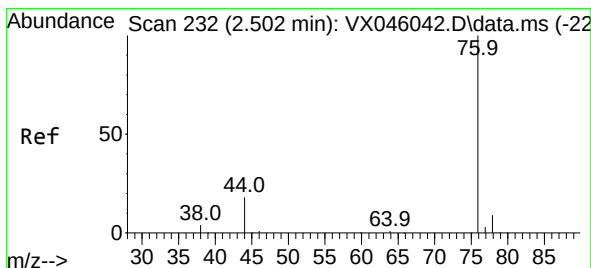
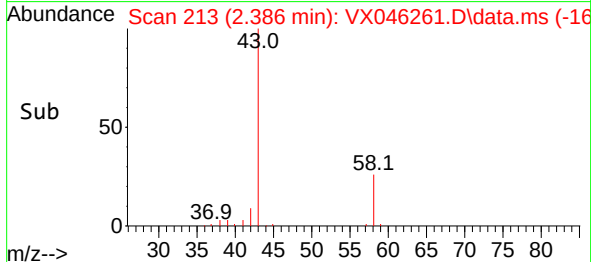
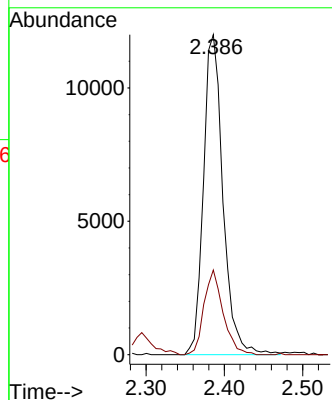
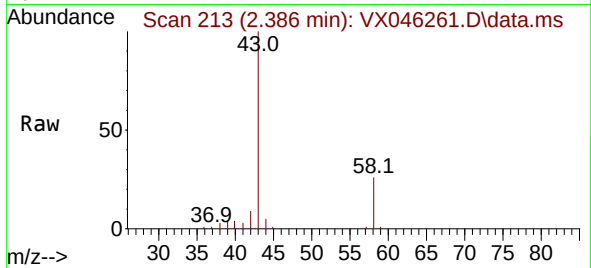




#16
Acetone
Concen: 44.779 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

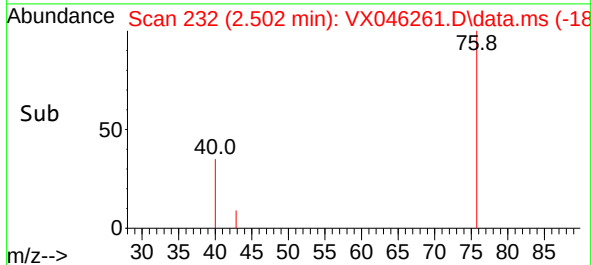
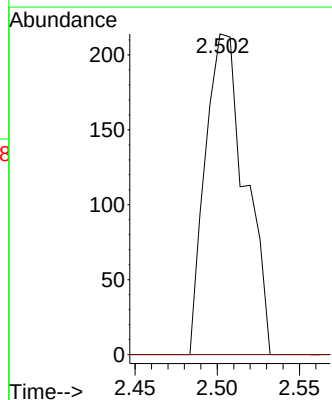
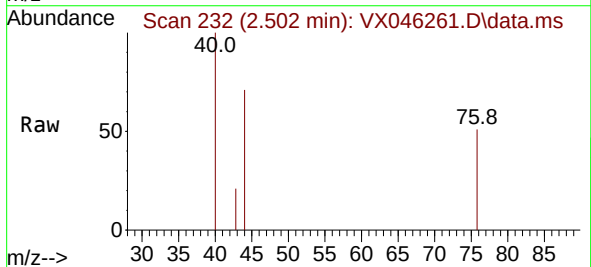
Instrument :
MSVOA_X
ClientSampleId :
TP-B

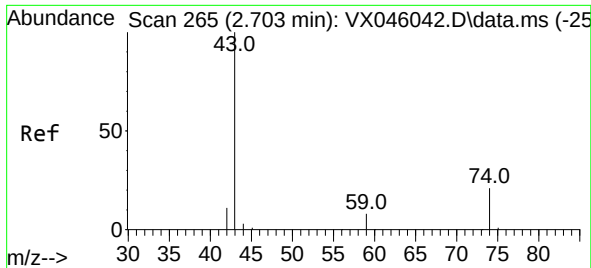
Tgt Ion: 43 Resp: 20724
Ion Ratio Lower Upper
43 100
58 26.5 21.2 31.8



#17
Carbon Disulfide
Concen: 0.207 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Tgt Ion: 76 Resp: 361
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

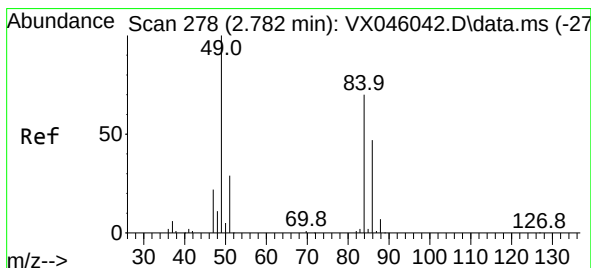
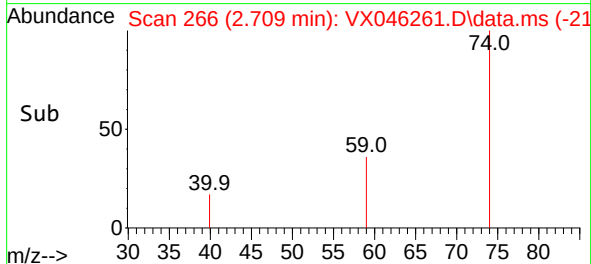
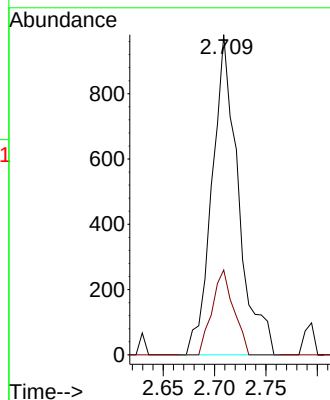
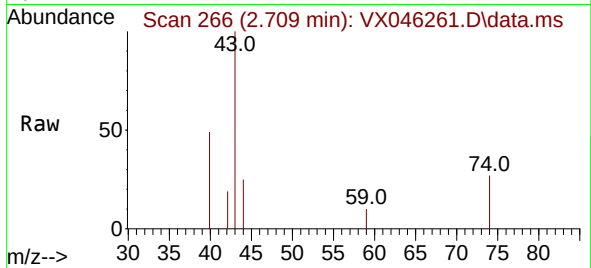




#18
Methyl Acetate
Concen: 1.620 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

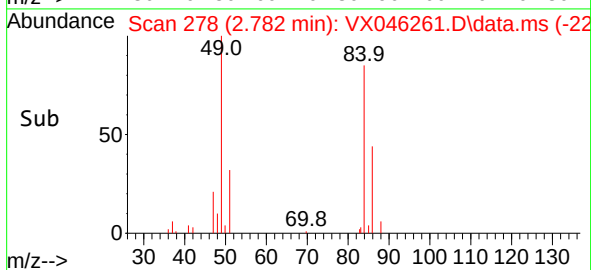
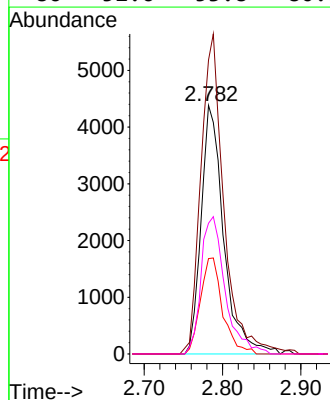
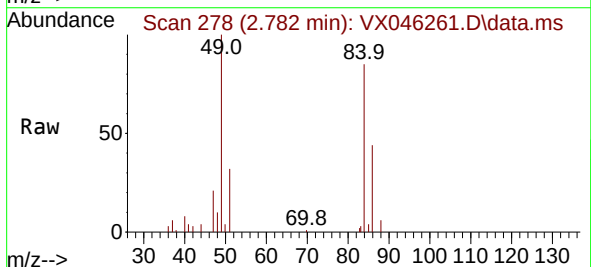
Instrument :
MSVOA_X
ClientSampleId :
TP-B

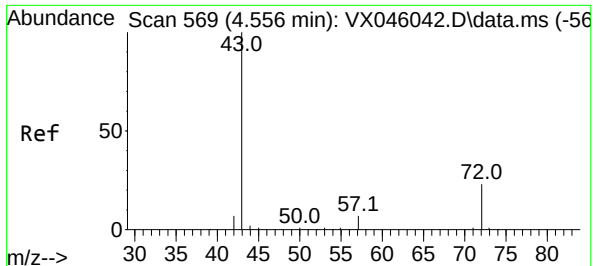
Tgt Ion: 43 Resp: 1740
Ion Ratio Lower Upper
43 100
74 21.7 16.7 25.1



#20
Methylene Chloride
Concen: 9.873 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Tgt Ion: 84 Resp: 8756
Ion Ratio Lower Upper
84 100
49 118.3 113.9 170.9
51 38.4 33.5 50.3
86 52.6 53.8 80.8#

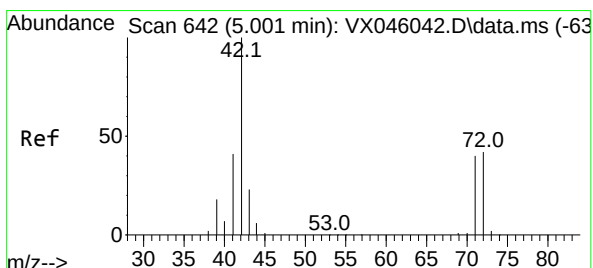
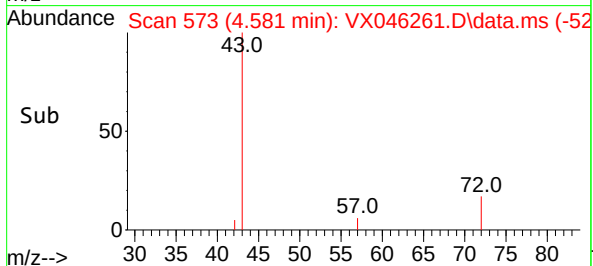
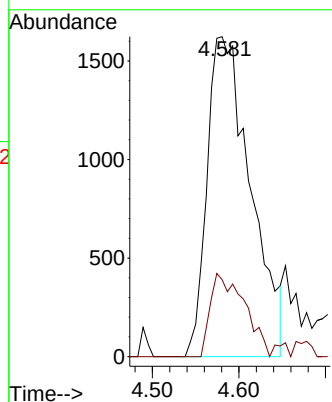
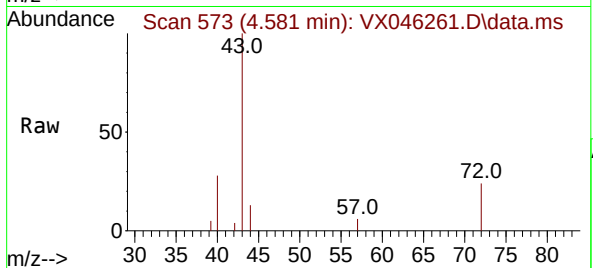




#25
2-Butanone
Concen: 8.419 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

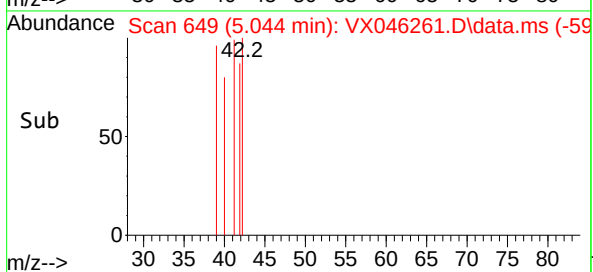
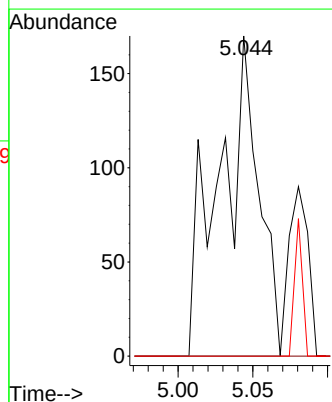
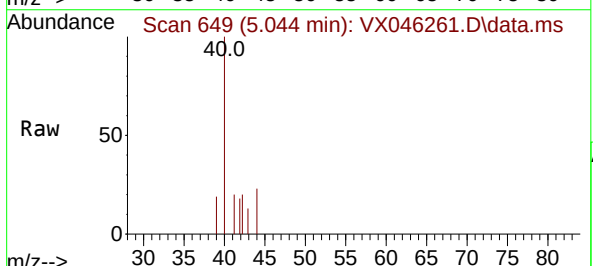
Instrument :
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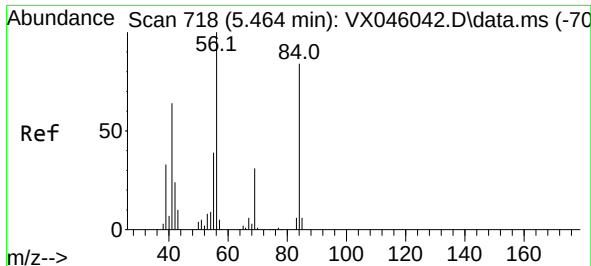
Tgt Ion: 43 Resp: 5657
Ion Ratio Lower Upper
43 100
72 24.0 18.4 27.6



#29
Tetrahydrofuran
Concen: 0.741 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Tgt Ion: 42 Resp: 312
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#

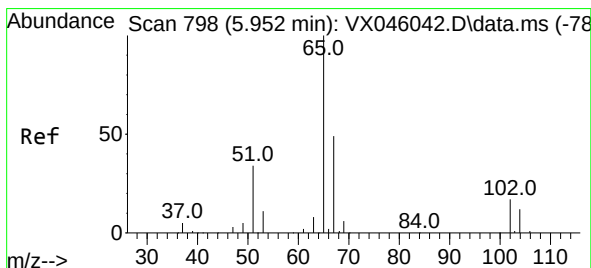
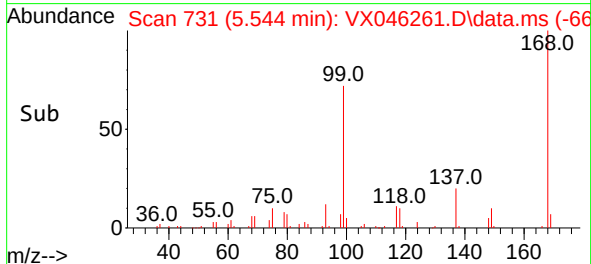
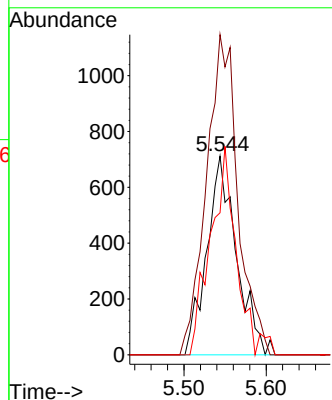
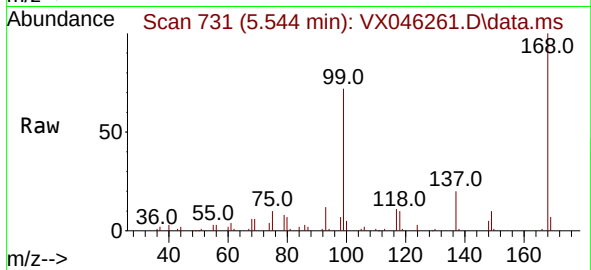




#31
Cyclohexane
Concen: 1.304 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

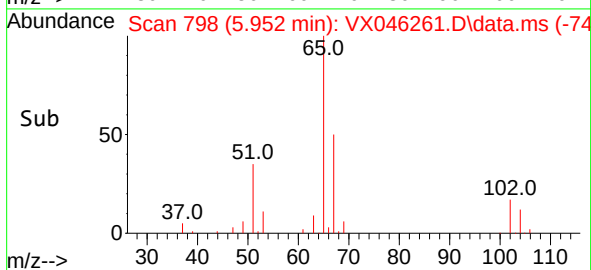
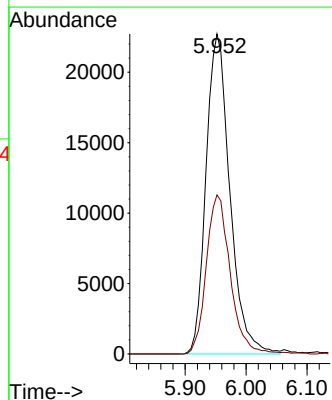
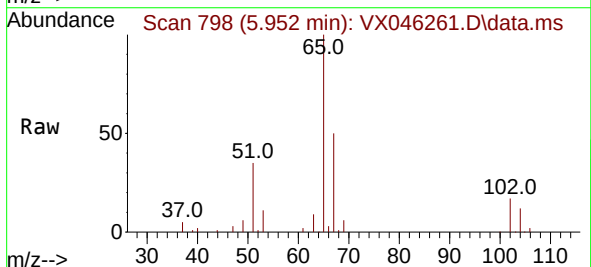
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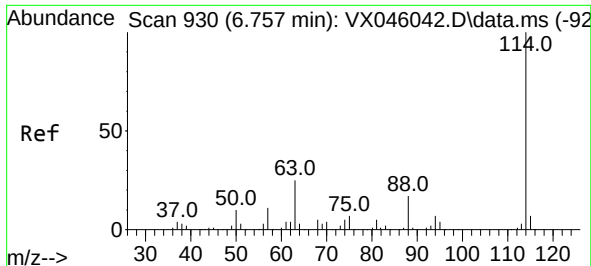
Tgt Ion: 56 Resp: 1794
Ion Ratio Lower Upper
56 100
69 161.1 24.4 36.6#
84 71.5 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 53.495 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Tgt Ion: 65 Resp: 61748
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.0

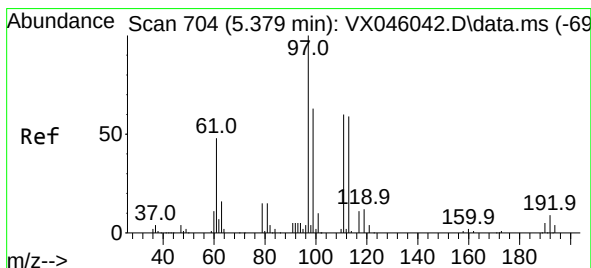
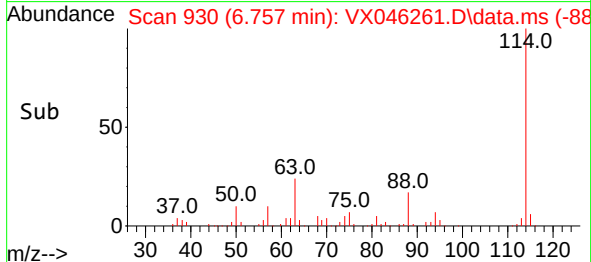
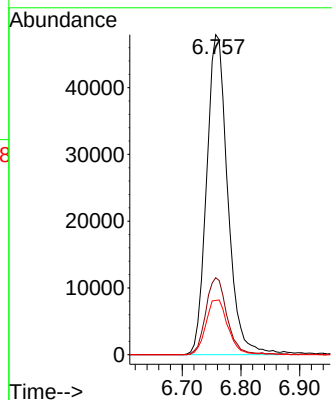
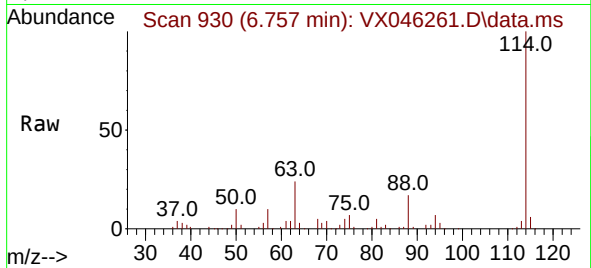




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX046261.D
 Acq: 19 May 2025 12:40

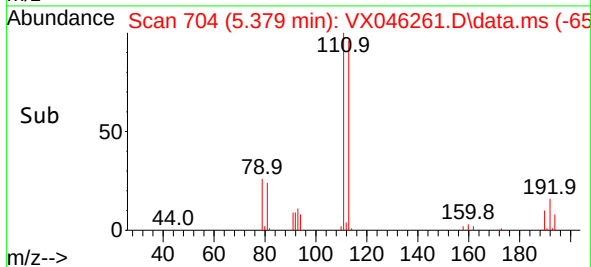
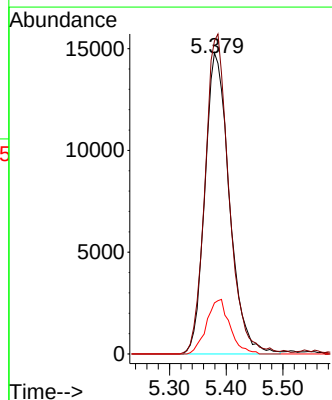
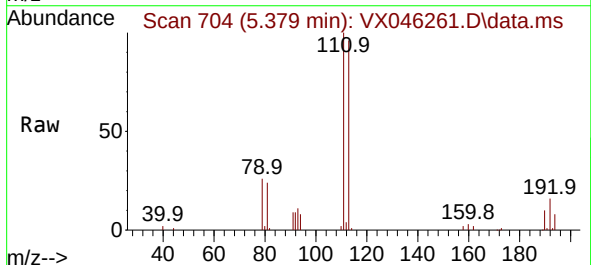
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-B

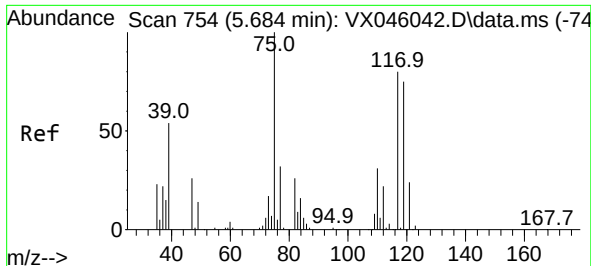
Tgt Ion:114 Resp: 119637
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 17.0 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 51.557 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX046261.D
 Acq: 19 May 2025 12:40

Tgt Ion:113 Resp: 44417
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.1 124.7
 192 17.2 13.3 19.9

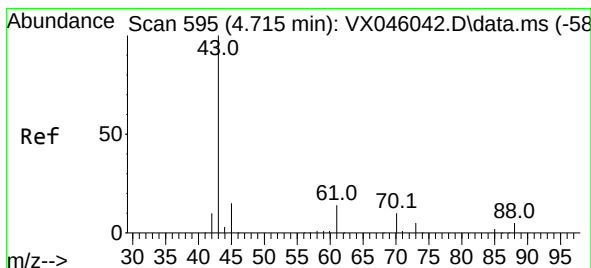
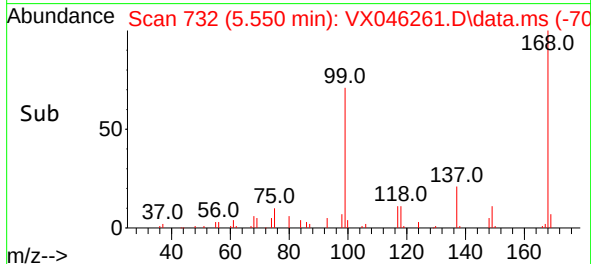
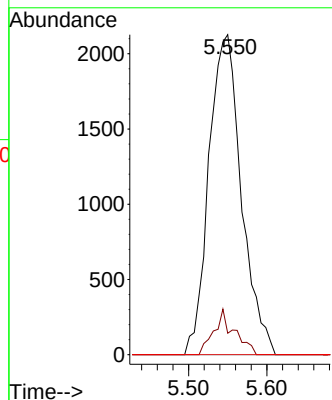
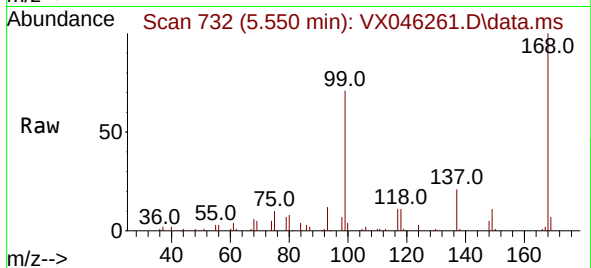




#36
1,1-Dichloropropene
Concen: 5.300 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

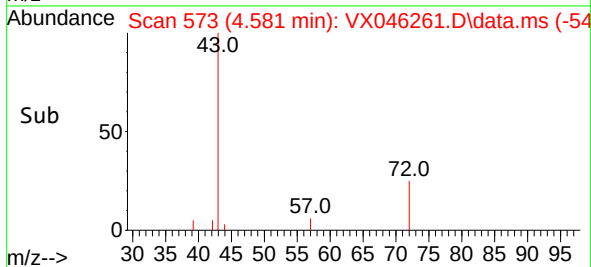
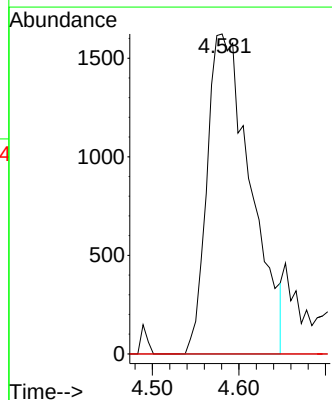
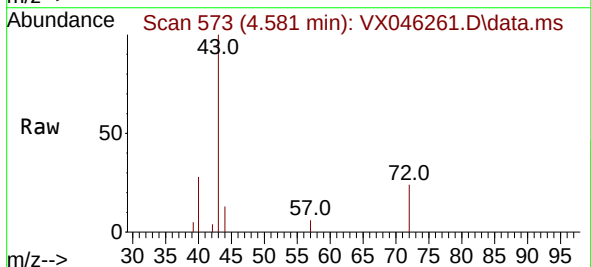
Instrument :
MSVOA_X
ClientSampleId :
TP-B

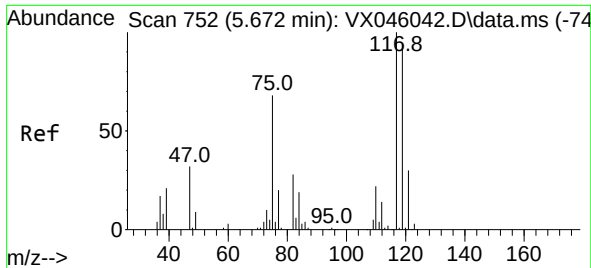
Tgt Ion: 75 Resp: 6135
Ion Ratio Lower Upper
75 100
110 8.9 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 3.956 ug/l
RT: 4.581 min Scan# 573
Delta R.T. -0.134 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

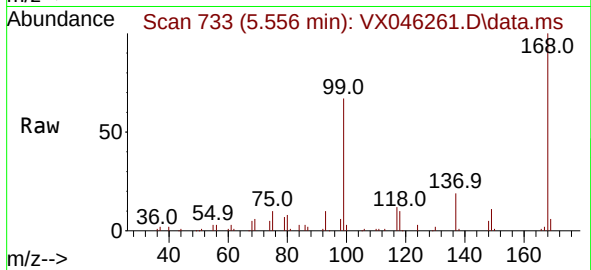
Tgt Ion: 43 Resp: 5657
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 7.9 11.9#



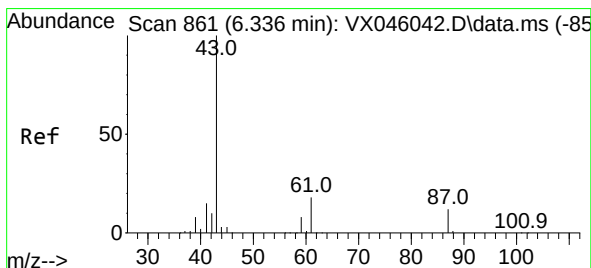
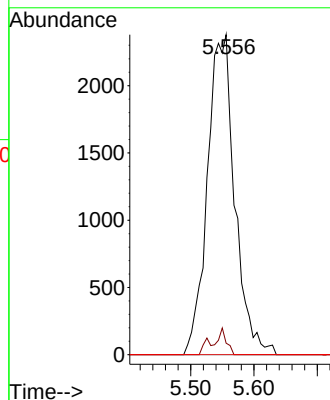
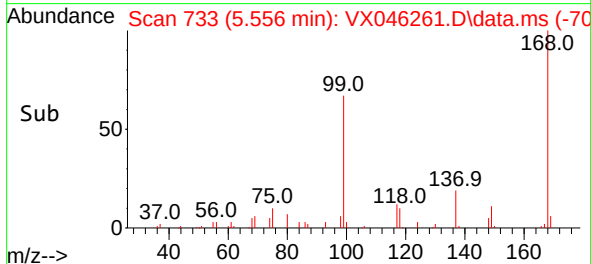


#38
Carbon Tetrachloride
Concen: 5.484 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.116 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Instrument :
MSVOA_X
ClientSampleId :
TP-B

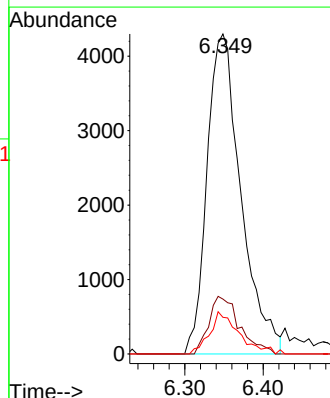
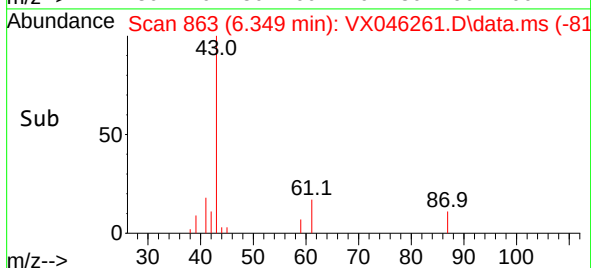
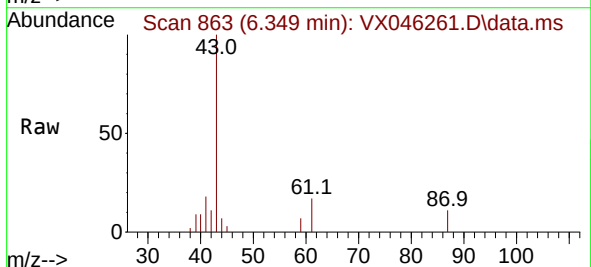


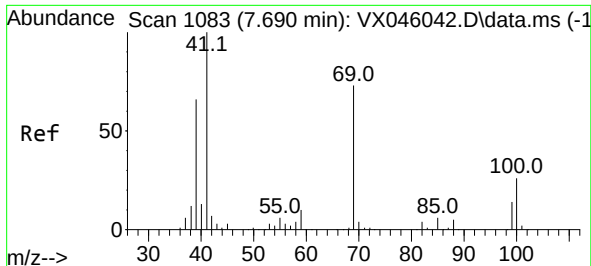
Tgt Ion:117 Resp: 7133
Ion Ratio Lower Upper
117 100
119 3.6 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 5.932 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Tgt Ion: 43 Resp: 12942
Ion Ratio Lower Upper
43 100
61 16.3 14.3 21.5
87 11.5 9.5 14.3

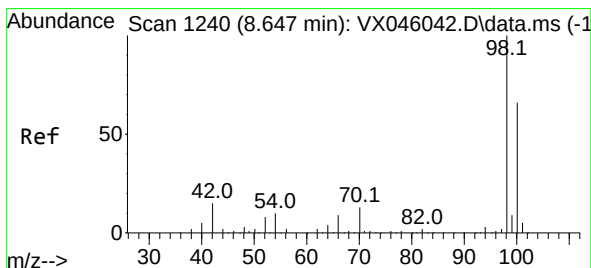
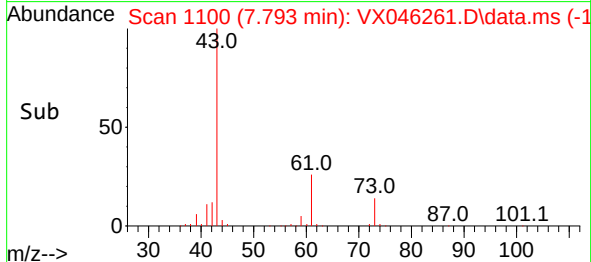
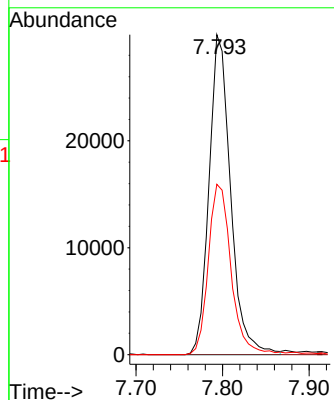
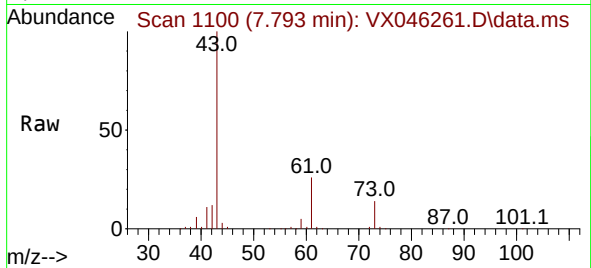




#48
Methyl methacrylate
Concen: 46.518 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

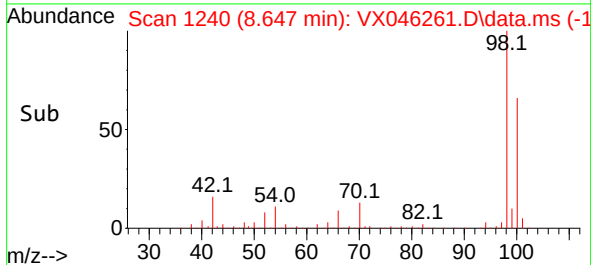
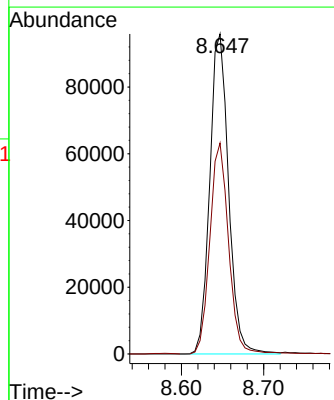
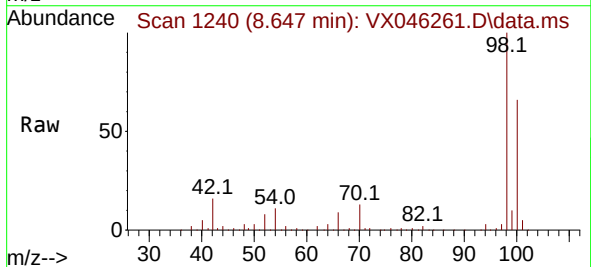
Instrument :
MSVOA_X
ClientSampleId :
TP-B

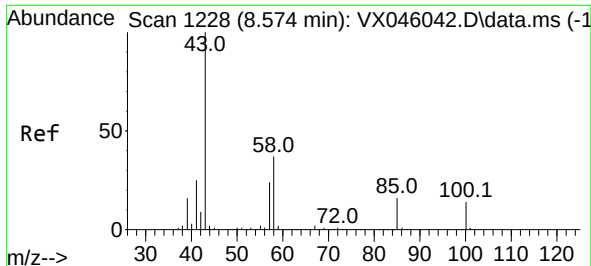
Tgt Ion: 41 Resp: 51832
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.1 51.7 77.5



#50
Toluene-d8
Concen: 51.099 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Tgt Ion: 98 Resp: 152369
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3

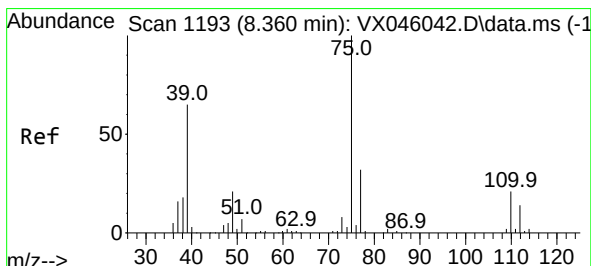
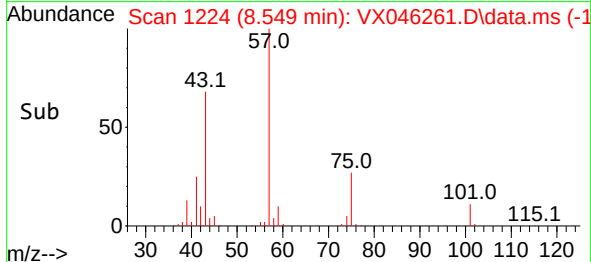
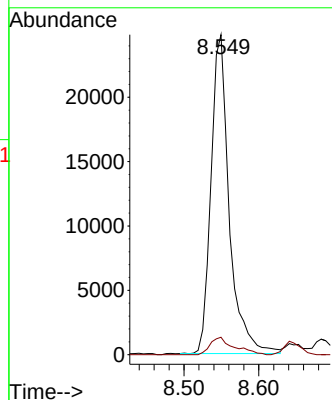
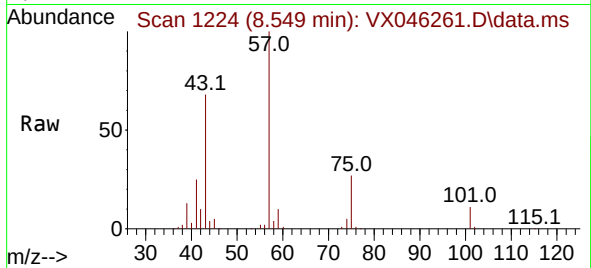




#51
4-Methyl-2-Pentanone
Concen: 29.037 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

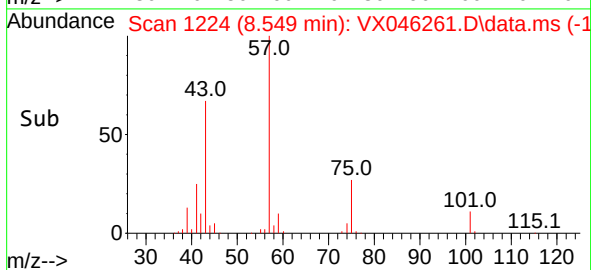
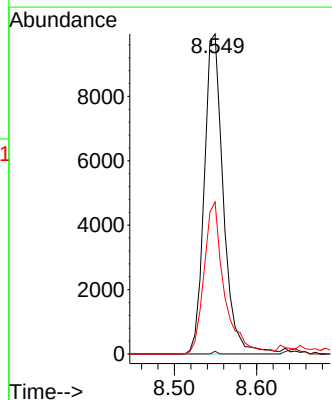
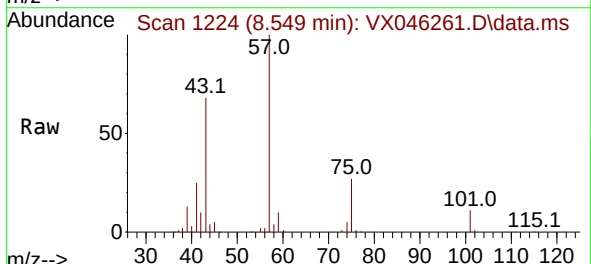
Instrument :
MSVOA_X
ClientSampleId :
TP-B

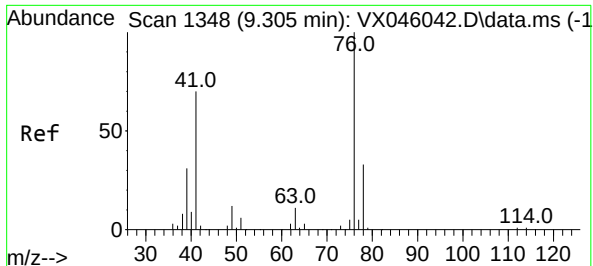
Tgt Ion: 43 Resp: 42052
Ion Ratio Lower Upper
43 100
58 7.1 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 12.437 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Tgt Ion: 75 Resp: 16002
Ion Ratio Lower Upper
75 100
77 0.9 25.4 38.0#
39 47.5 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 1.103 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046261.D

Acq: 19 May 2025 12:40

Instrument :

MSVOA_X

ClientSampleId :

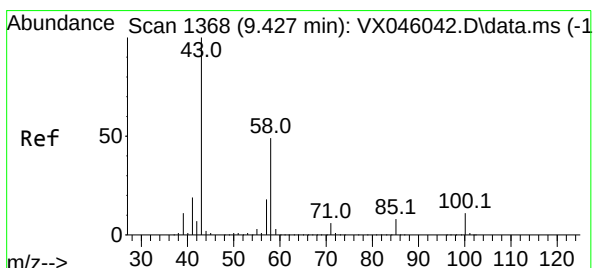
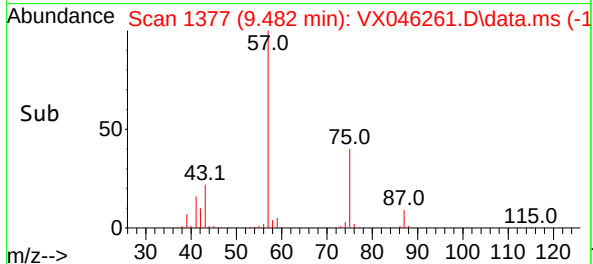
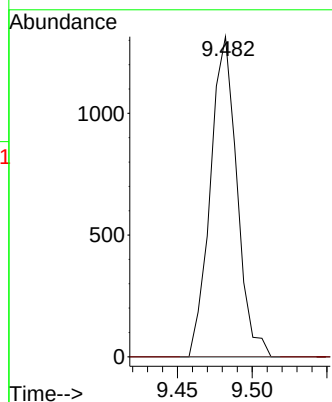
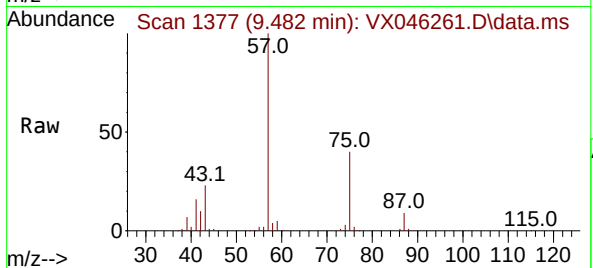
TP-B

Tgt Ion: 76 Resp: 1624

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 25.628 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX046261.D

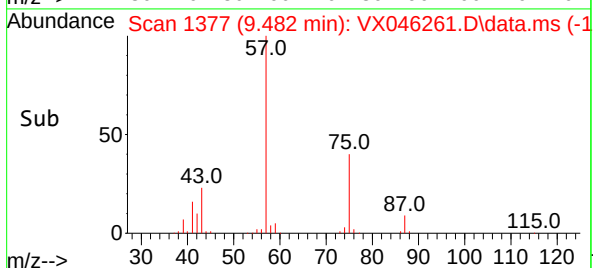
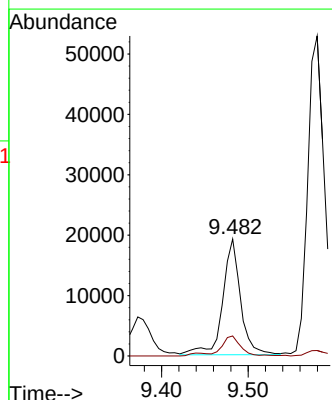
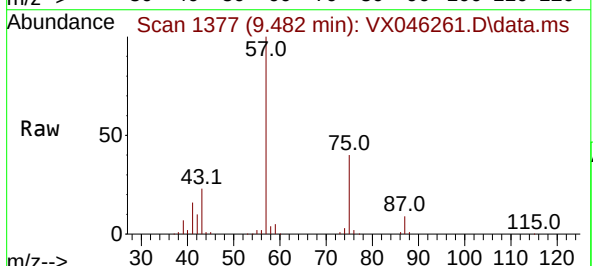
Acq: 19 May 2025 12:40

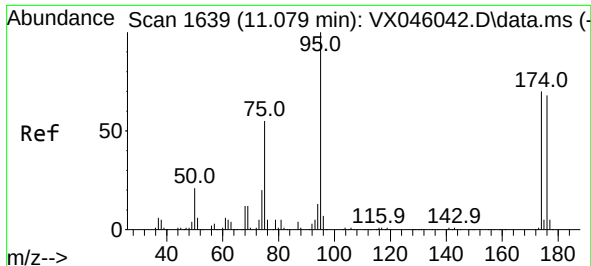
Tgt Ion: 43 Resp: 27459

Ion Ratio Lower Upper

43 100

58 17.7 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 50.545 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046261.D

Acq: 19 May 2025 12:40

Instrument :

MSVOA_X

ClientSampleId :

TP-B

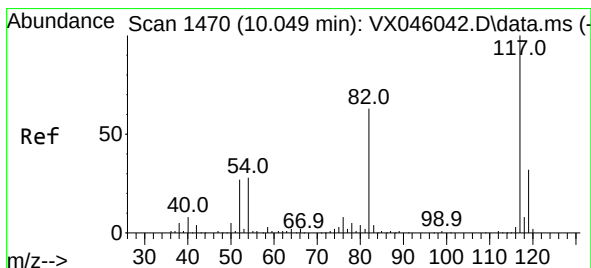
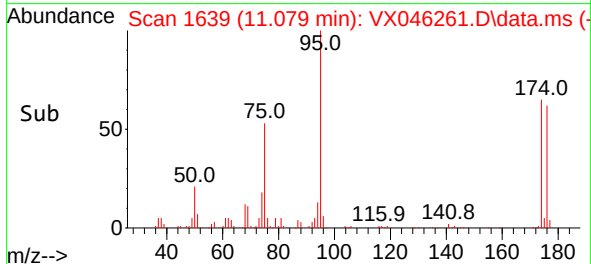
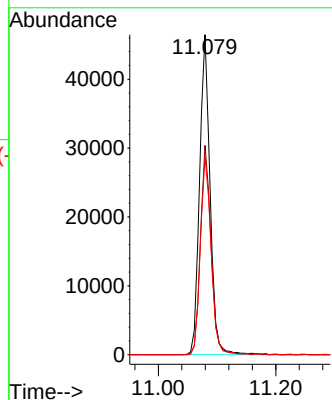
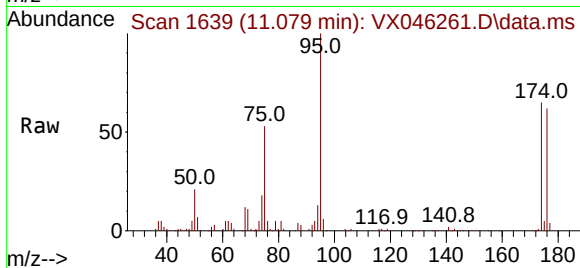
Tgt Ion: 95 Resp: 57812

Ion Ratio Lower Upper

95 100

174 66.1 0.0 135.8

176 63.1 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046261.D

Acq: 19 May 2025 12:40

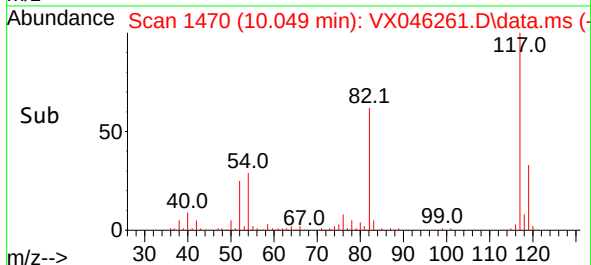
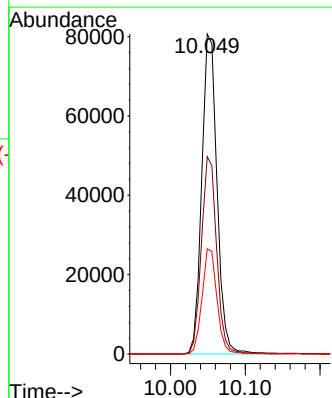
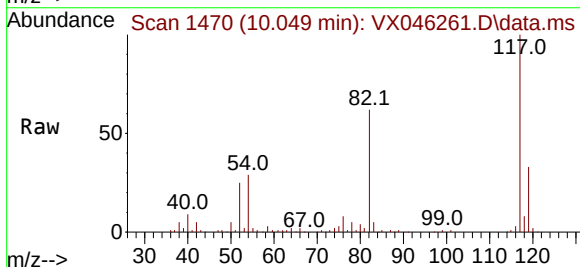
Tgt Ion: 117 Resp: 114429

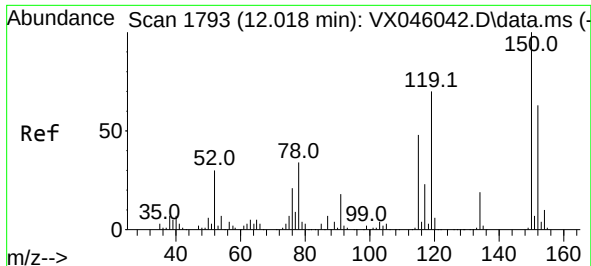
Ion Ratio Lower Upper

117 100

82 61.6 50.6 76.0

119 32.9 25.8 38.6

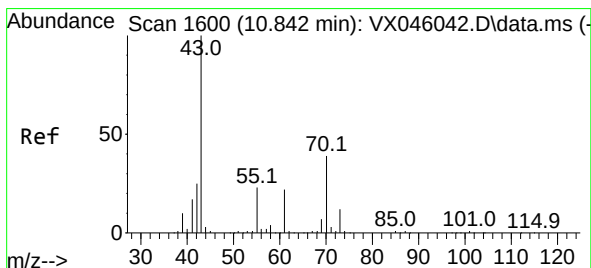
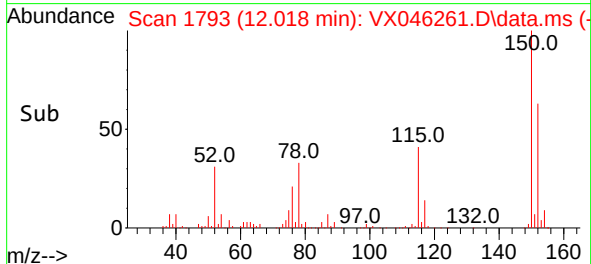
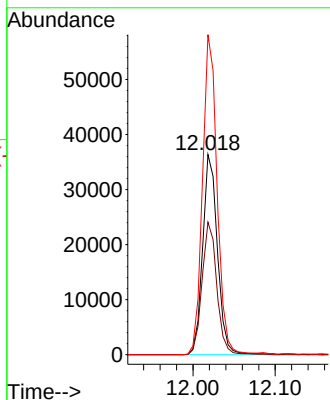
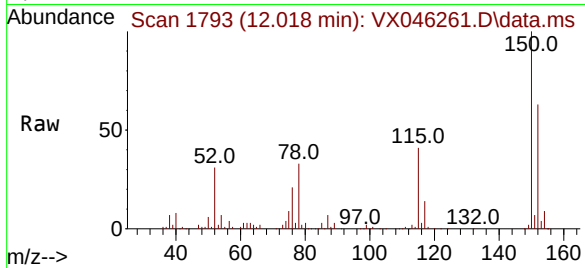




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

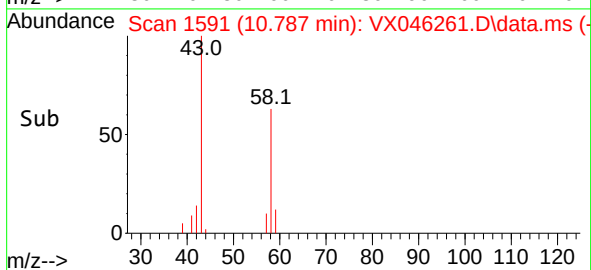
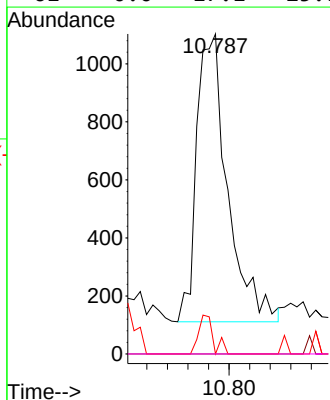
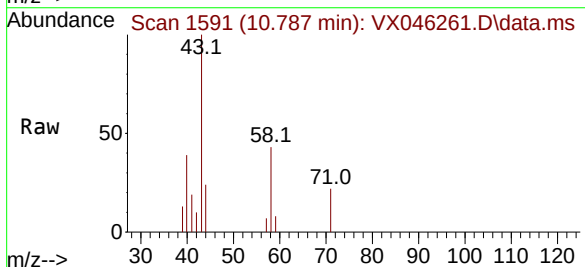
Instrument :
MSVOA_X
ClientSampleId :
TP-B

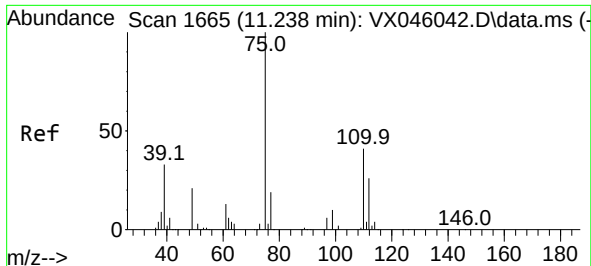
Tgt Ion:152 Resp: 45468
Ion Ratio Lower Upper
152 100
115 66.0 46.9 140.7
150 157.2 0.0 351.0



#74
N-ethyl acetate
Concen: 1.186 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Tgt Ion: 43 Resp: 2074
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 6.5 18.7 28.1#
61 0.0 17.1 25.7#

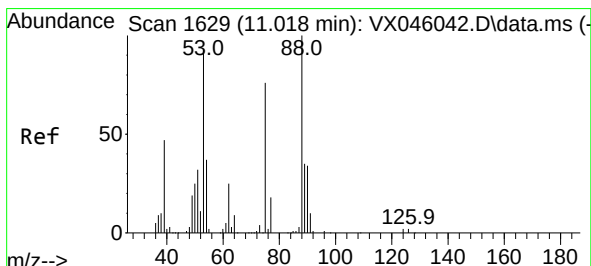
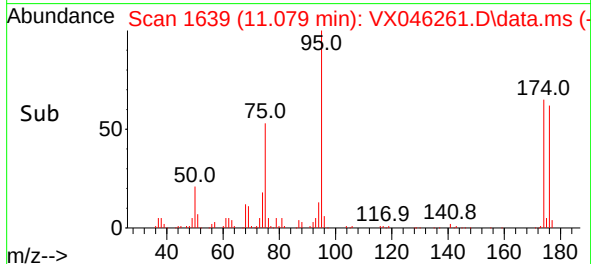
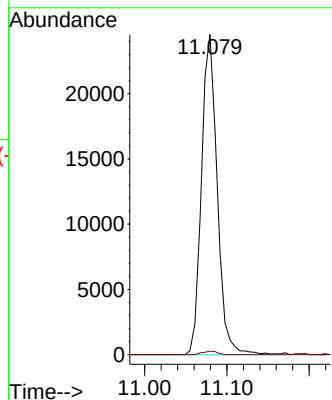
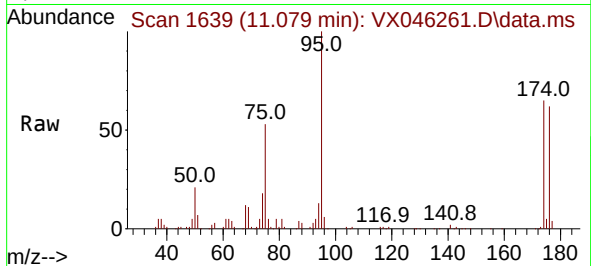




#76
1,2,3-Trichloropropane
Concen: 29.847 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

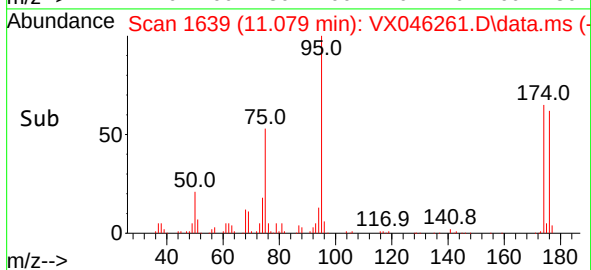
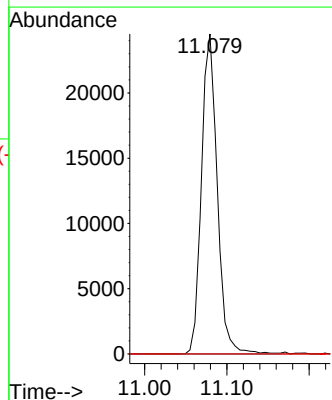
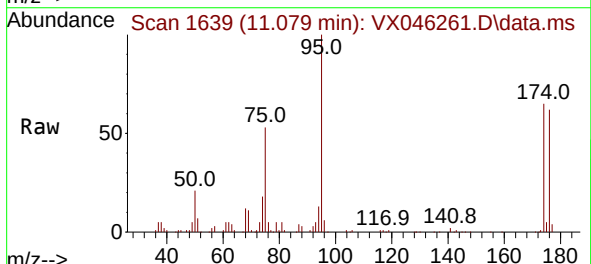
Instrument :
MSVOA_X
ClientSampleId :
TP-B

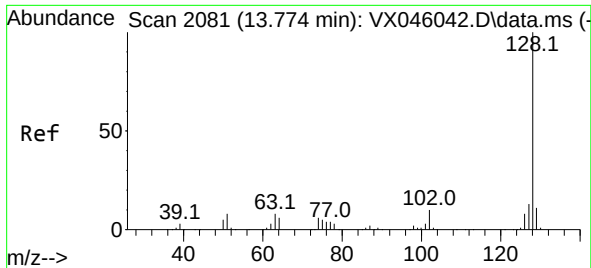
Tgt Ion: 75 Resp: 32666
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.173 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

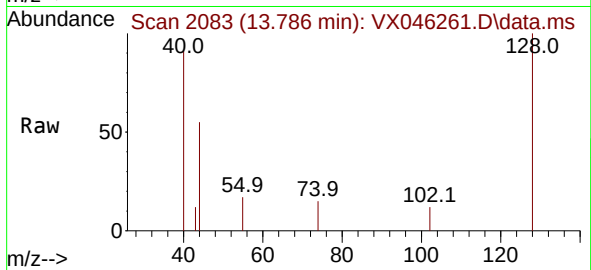
Tgt Ion: 75 Resp: 32666
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 0.238 ug/l
RT: 13.786 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX046261.D
Acq: 19 May 2025 12:40

Instrument :
MSVOA_X
ClientSampleId :
TP-B



Tgt Ion:128 Resp: 754
Ion Ratio Lower Upper
128 100
127 2.8 10.4 15.6#
129 0.0 8.6 13.0#

