

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046560.D
 Acq On : 07 Jun 2025 06:18
 Operator : JC/MD
 Sample : Q2240-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Jun 07 06:42:31 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

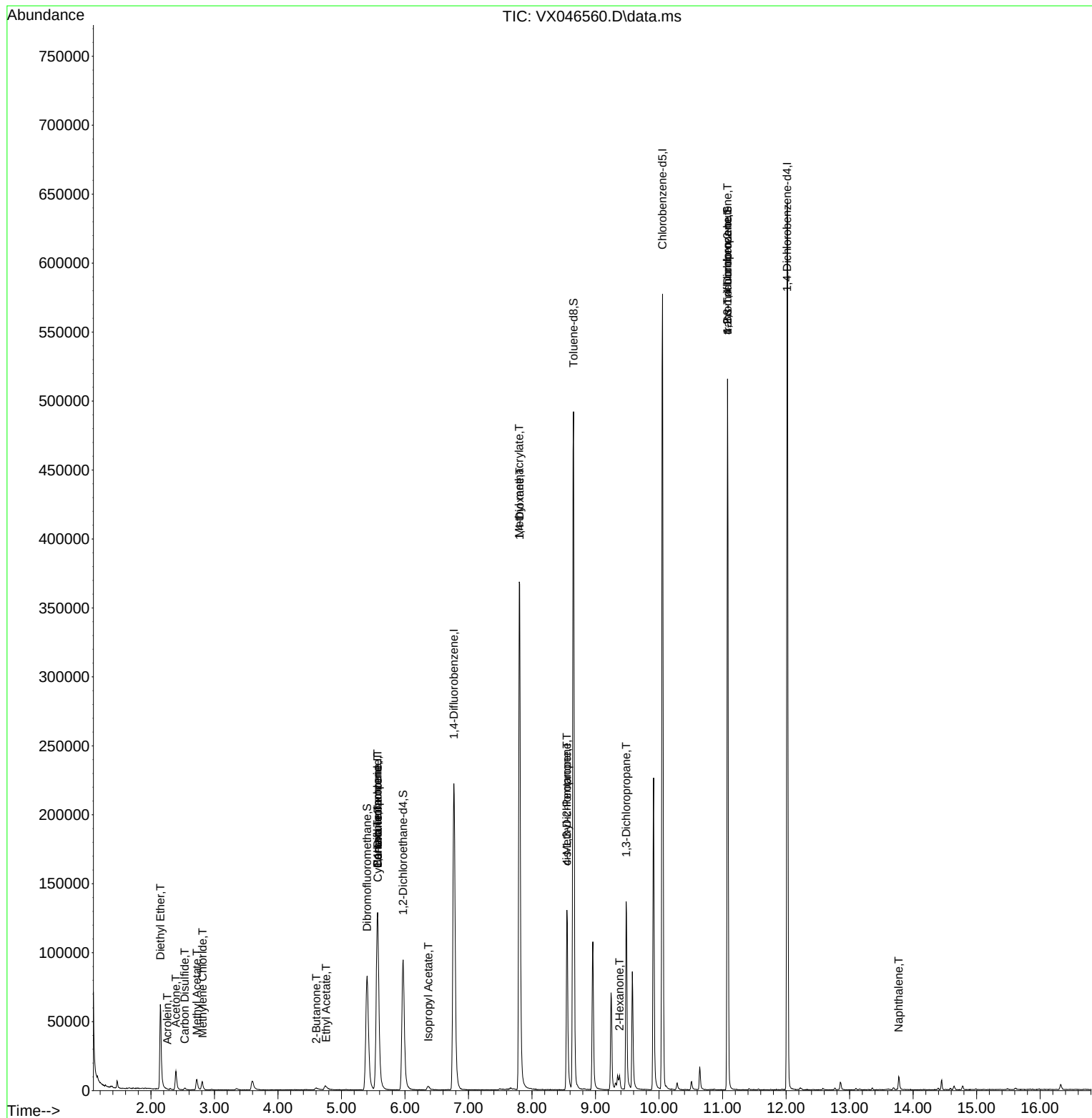
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	118791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	228156	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	122784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	101293	47.929	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.860%
35) Dibromofluoromethane	5.403	113	77051	45.922	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.840%
50) Toluene-d8	8.653	98	293371	53.035	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.060%
62) 4-Bromofluorobenzene	11.079	95	135451	59.183	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	118.360%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.148	74	24469	27.972	ug/l	92
13) Acrolein	2.258	56	99	30.313	ug/l #	43
16) Acetone	2.392	43	16443	24.043	ug/l	98
17) Carbon Disulfide	2.532	76	1047	0.551	ug/l #	76
18) Methyl Acetate	2.721	43	10863	4.315	ug/l	100
20) Methylene Chloride	2.812	84	2808	1.656	ug/l	87
25) 2-Butanone	4.605	43	3790	3.221	ug/l	94
31) Cyclohexane	5.574	56	3004	1.223	ug/l #	23
36) 1,1-Dichloropropene	5.568	75	10757	4.488	ug/l #	52
37) Ethyl Acetate	4.757	43	5745	2.456	ug/l #	70
38) Carbon Tetrachloride	5.568	117	13857	5.162	ug/l #	17
43) Isopropyl Acetate	6.367	43	3990	0.978	ug/l	96
48) Methyl methacrylate	7.799	41	37407	17.829	ug/l #	48
49) 1,4-Dioxane	7.805	88	19	0.677	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	49445	19.081	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	21186	7.889	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	1223	0.416	ug/l #	42
59) 2-Hexanone	9.378	43	6874	3.699	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	73851	28.396	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	73851	81.913	ug/l #	1
95) Naphthalene	13.774	128	7349	0.809	ug/l	97

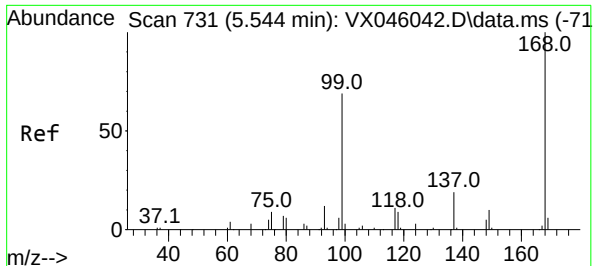
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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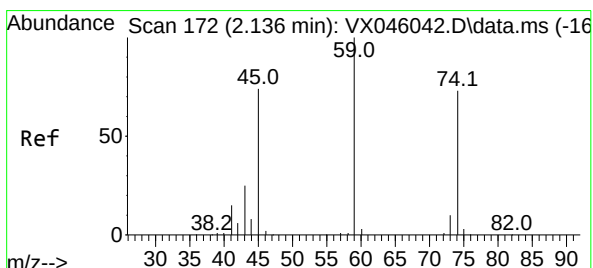
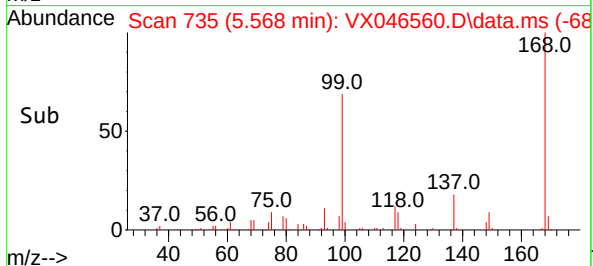
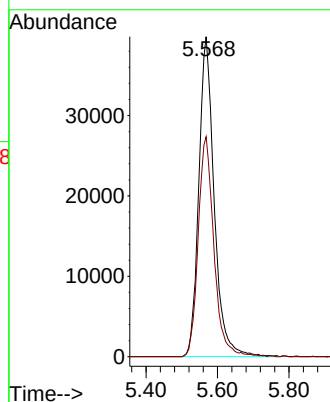
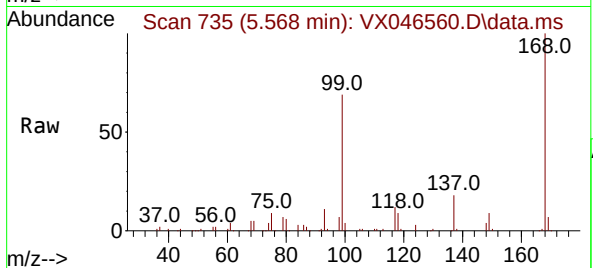




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

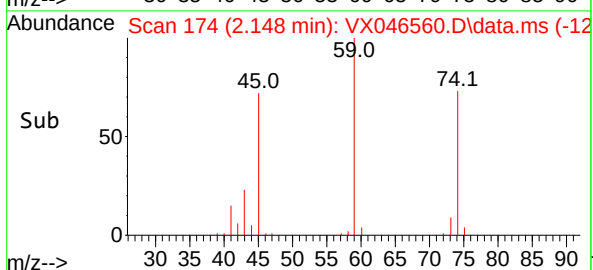
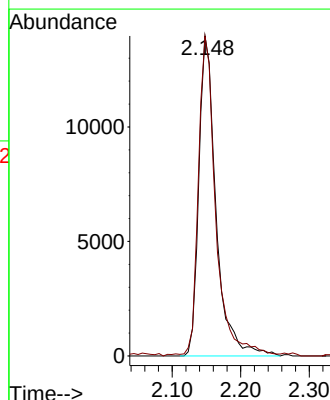
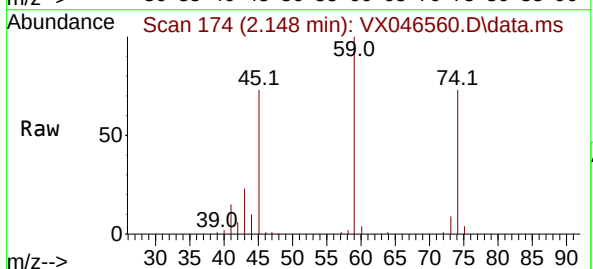
Instrument :
MSVOA_X
ClientSampleId :
TP-2

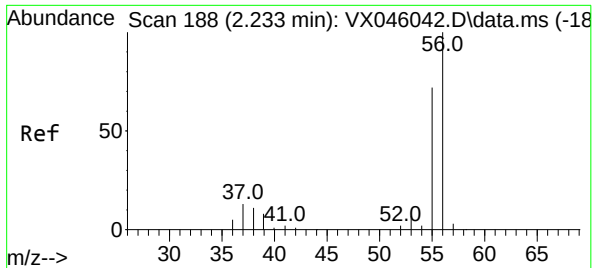
Tgt Ion:168 Resp: 118791
Ion Ratio Lower Upper
168 100
99 68.8 54.9 82.3



#8
Diethyl Ether
Concen: 27.972 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Tgt Ion: 74 Resp: 24469
Ion Ratio Lower Upper
74 100
45 101.4 54.9 164.8

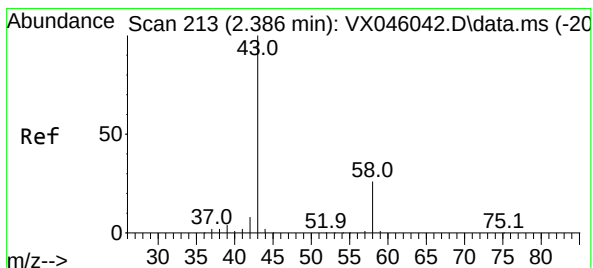
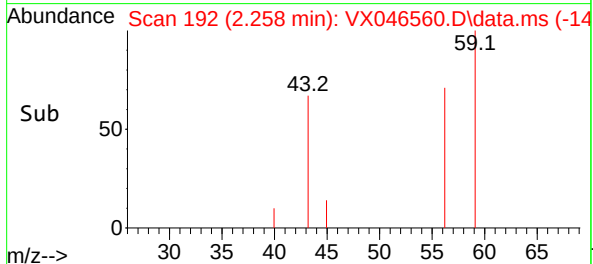
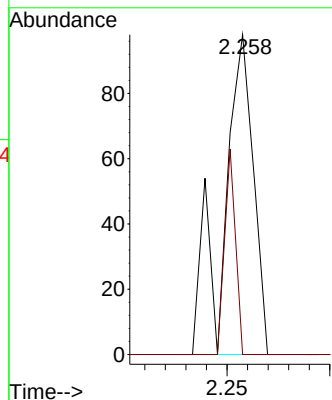
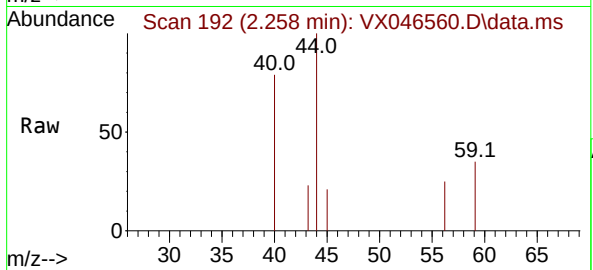




#13
Acrolein
Concen: 30.313 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.007 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

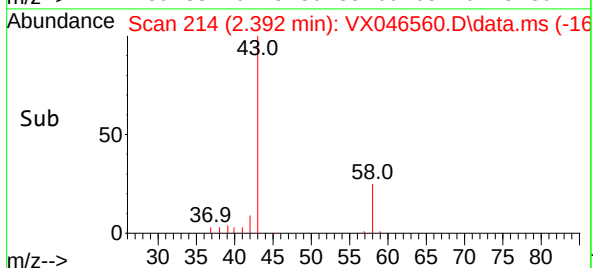
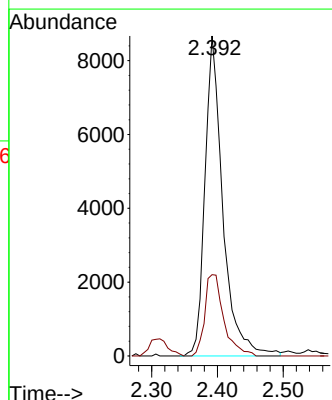
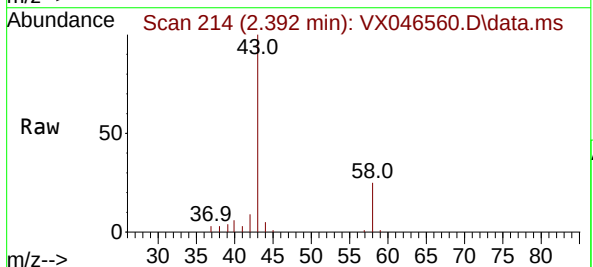
Instrument :
MSVOA_X
ClientSampleId :
TP-2

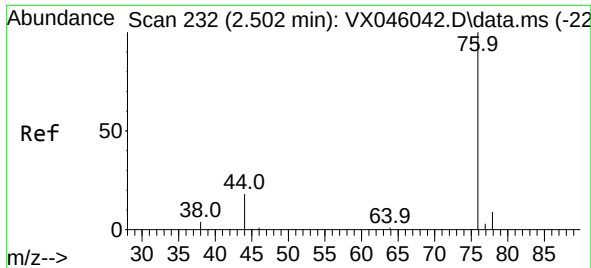
Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 23.2 56.2 84.4#



#16
Acetone
Concen: 24.043 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Tgt Ion: 43 Resp: 16443
Ion Ratio Lower Upper
43 100
58 25.4 21.2 31.8





#17

Carbon Disulfide

Concen: 0.551 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046560.D

Acq: 07 Jun 2025 06:18

Instrument :

MSVOA_X

ClientSampleId :

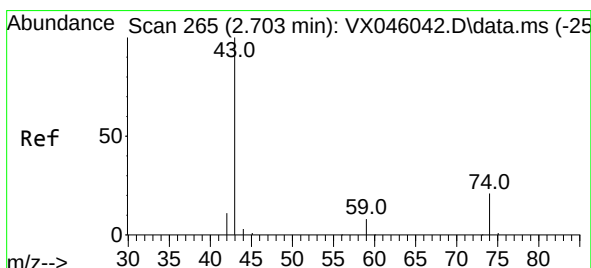
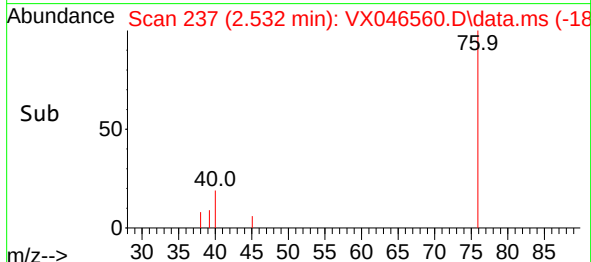
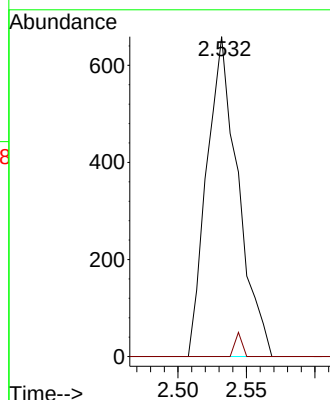
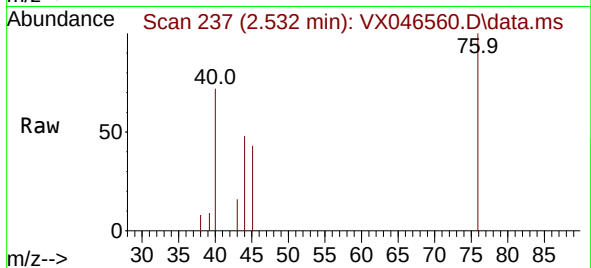
TP-2

Tgt Ion: 76 Resp: 1047

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 4.315 ug/l

RT: 2.721 min Scan# 268

Delta R.T. -0.000 min

Lab File: VX046560.D

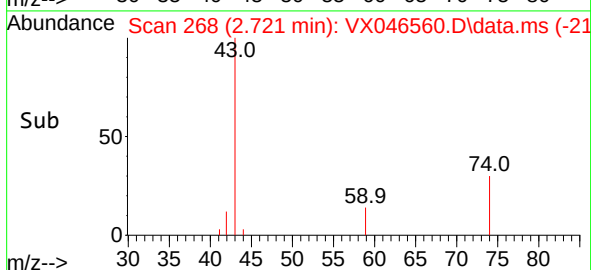
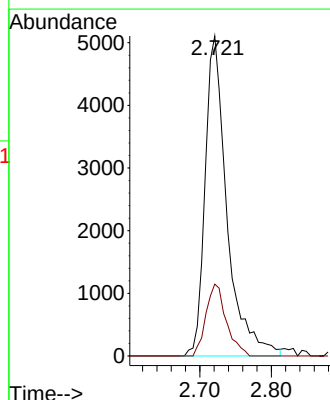
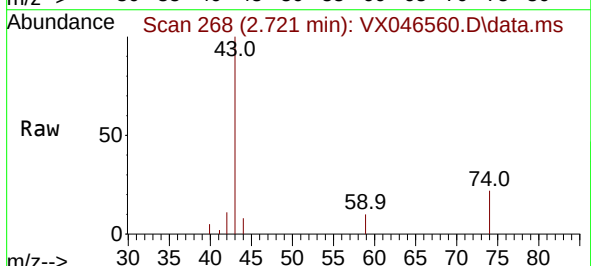
Acq: 07 Jun 2025 06:18

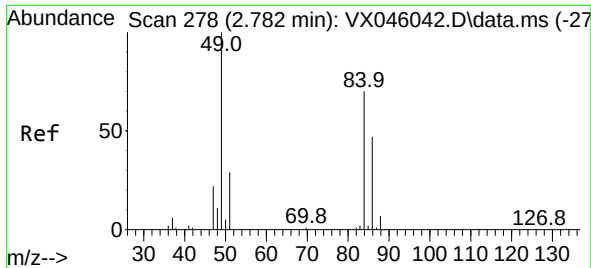
Tgt Ion: 43 Resp: 10863

Ion Ratio Lower Upper

43 100

74 20.9 16.7 25.1

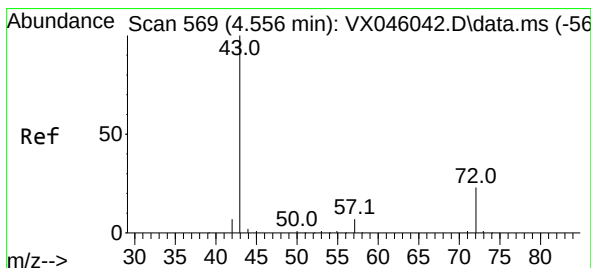
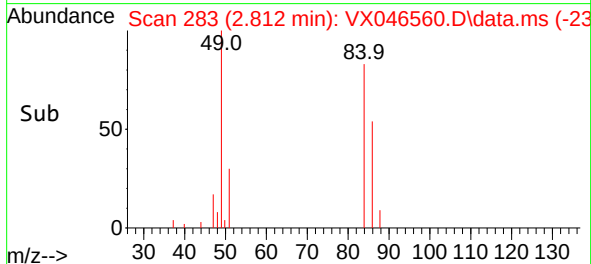
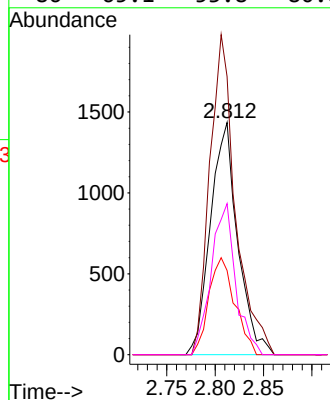
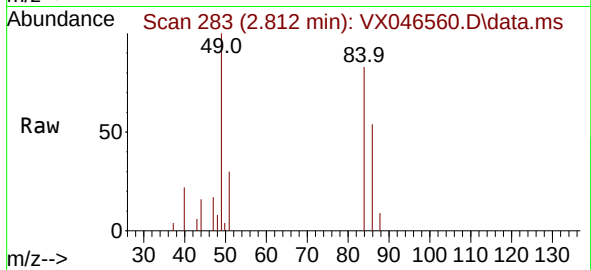




#20
Methylene Chloride
Concen: 1.656 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

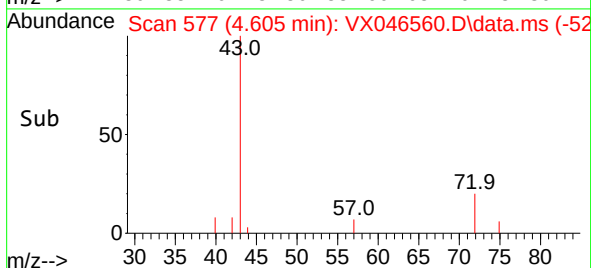
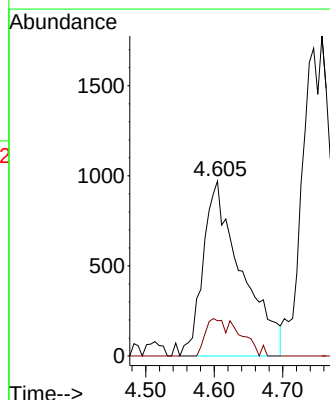
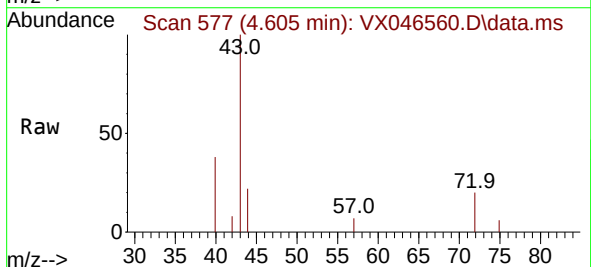
Instrument :
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ClientSampleId :
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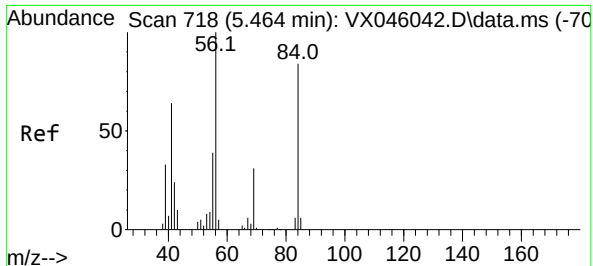
Tgt Ion:	84	Resp:	2808
Ion	Ratio	Lower	Upper
84	100		
49	119.8	113.9	170.9
51	36.2	33.5	50.3
86	65.1	53.8	80.8



#25
2-Butanone
Concen: 3.221 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.031 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Tgt Ion:	43	Resp:	3790
Ion	Ratio	Lower	Upper
43	100		
72	20.2	18.4	27.6

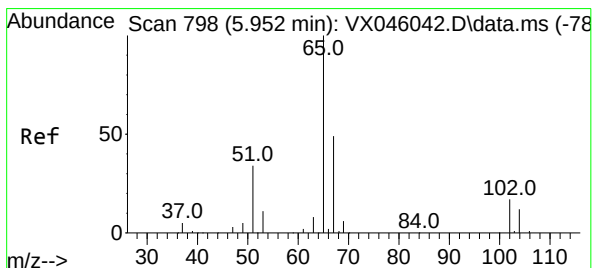
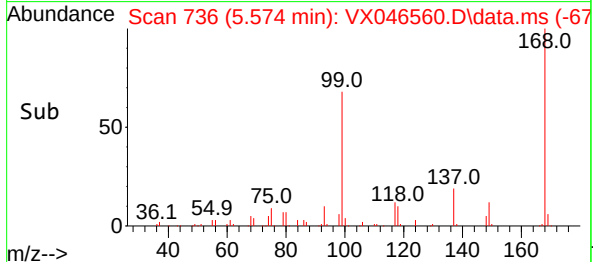
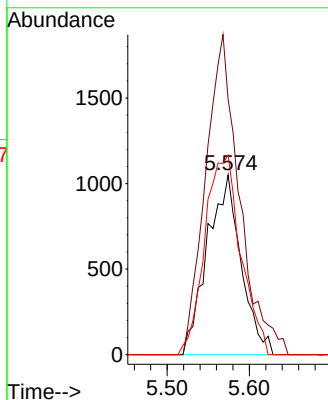
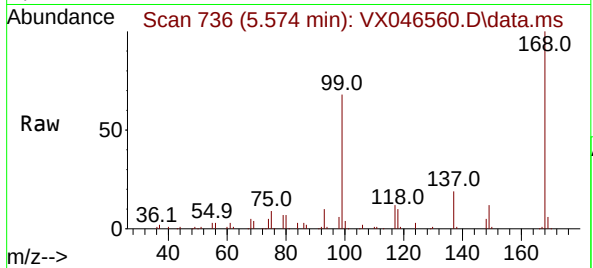




#31
Cyclohexane
Concen: 1.223 ug/l
RT: 5.574 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

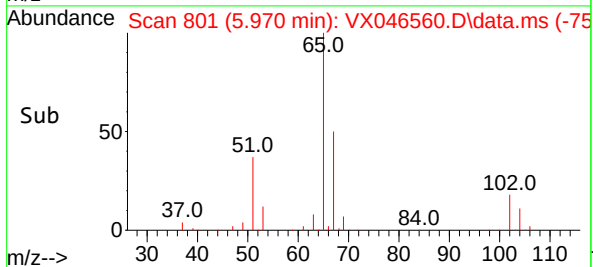
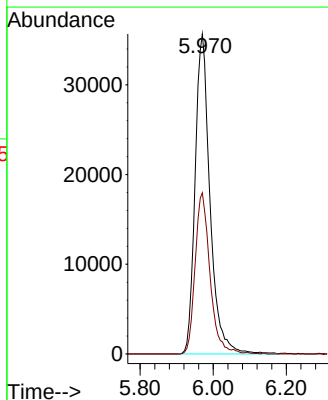
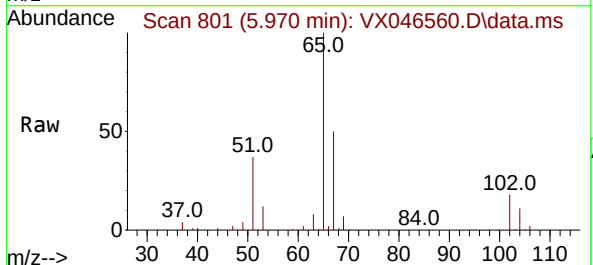
Instrument :
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ClientSampleId :
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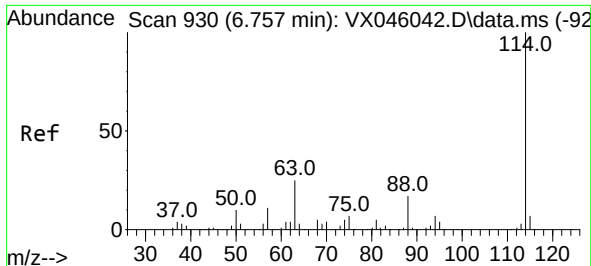
Tgt Ion: 56 Resp: 3004
Ion Ratio Lower Upper
56 100
69 142.0 24.4 36.6#
84 111.0 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 47.929 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Tgt Ion: 65 Resp: 101293
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.0

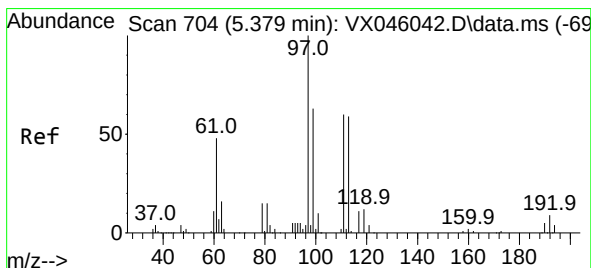
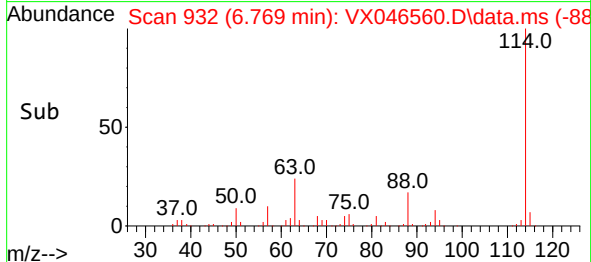
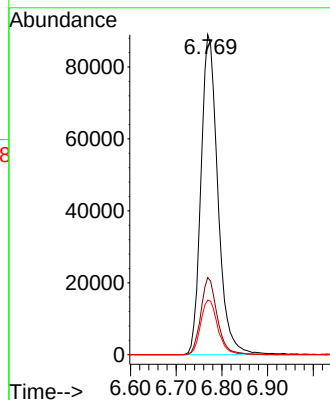
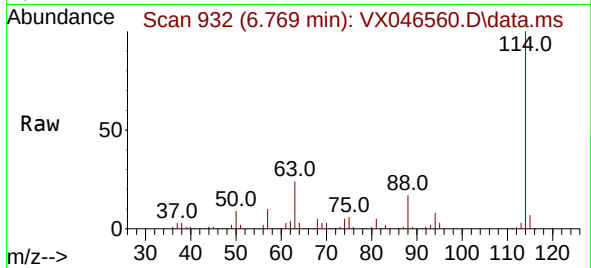




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

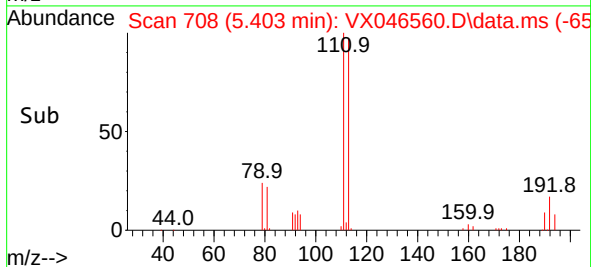
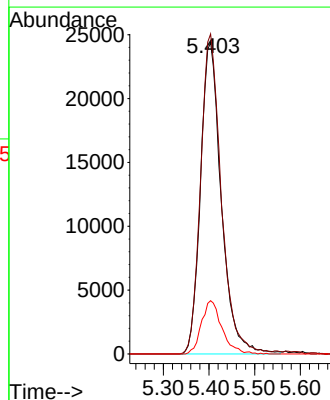
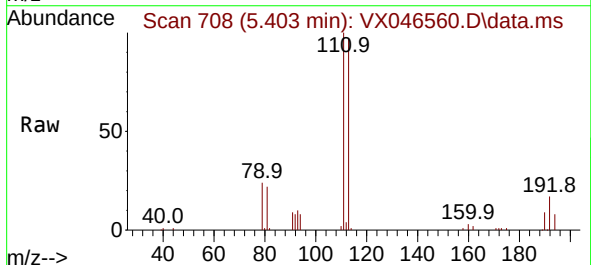
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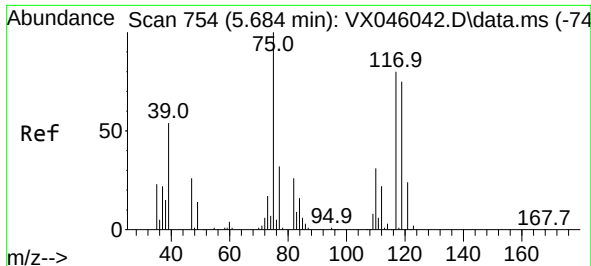
Tgt Ion:114 Resp: 228156
Ion Ratio Lower Upper
114 100
63 24.1 0.0 49.2
88 17.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 45.922 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Tgt Ion:113 Resp: 77051
Ion Ratio Lower Upper
113 100
111 102.2 83.1 124.7
192 16.8 13.3 19.9

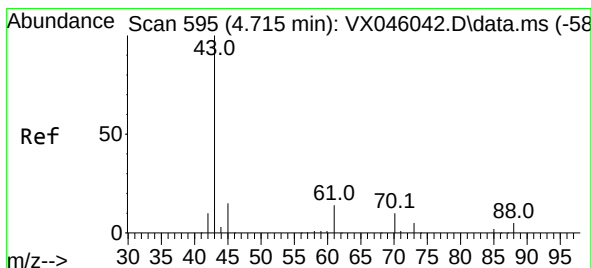
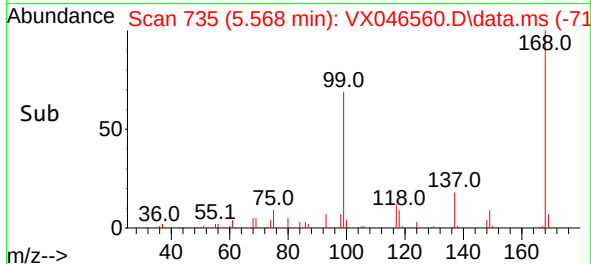
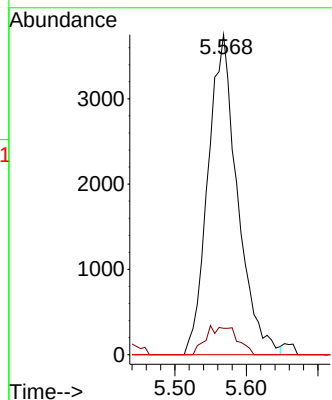
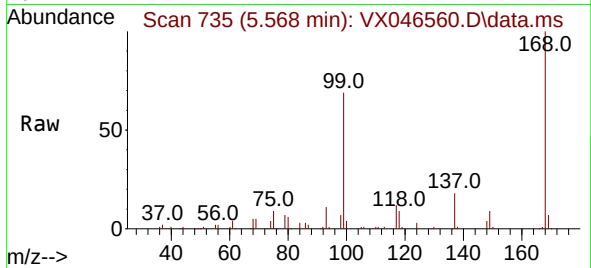




#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

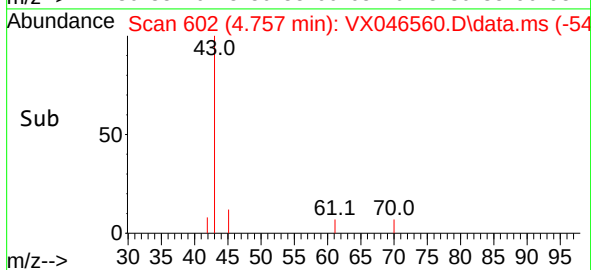
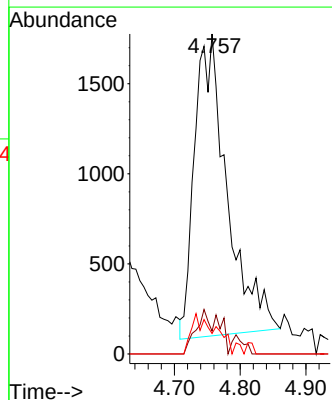
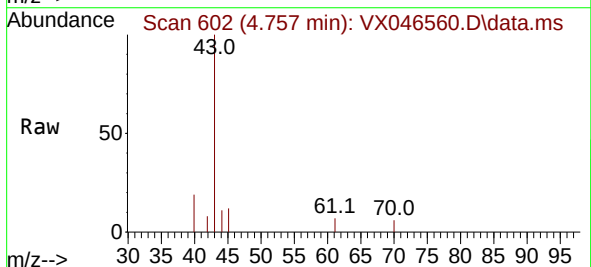
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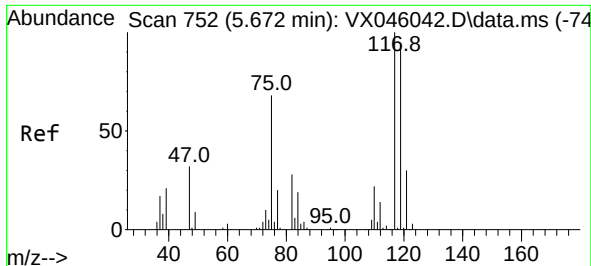
Tgt Ion: 75 Resp: 10757
Ion Ratio Lower Upper
75 100
110 9.3 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.456 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.024 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

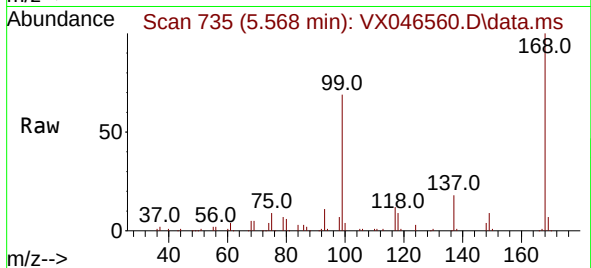
Tgt Ion: 43 Resp: 5745
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 7.9 11.9#



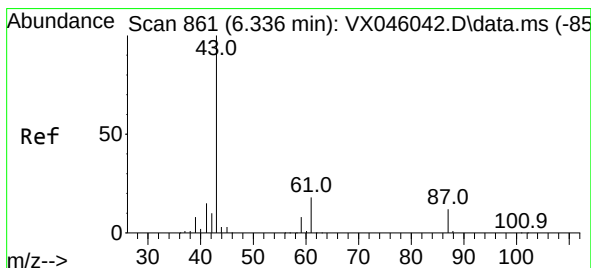
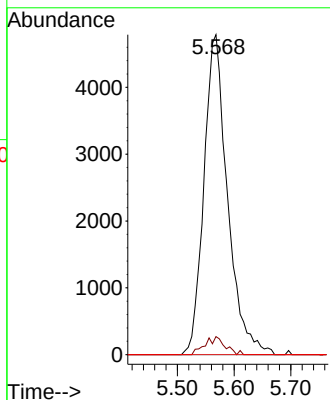
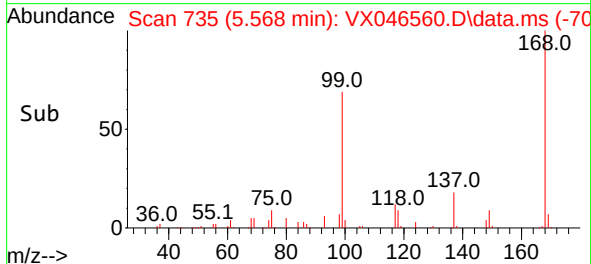


#38
Carbon Tetrachloride
Concen: 5.162 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Instrument :
MSVOA_X
ClientSampleId :
TP-2

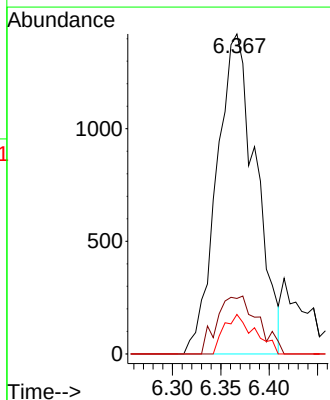
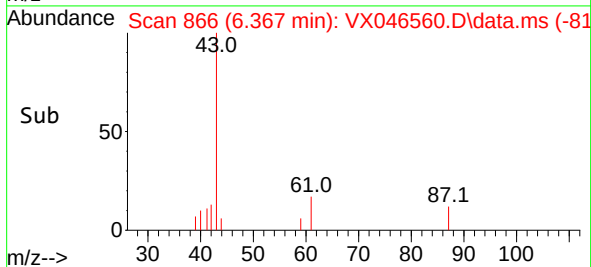
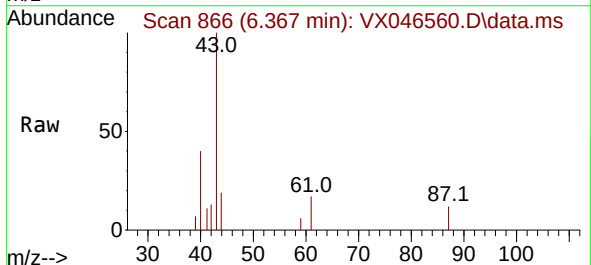


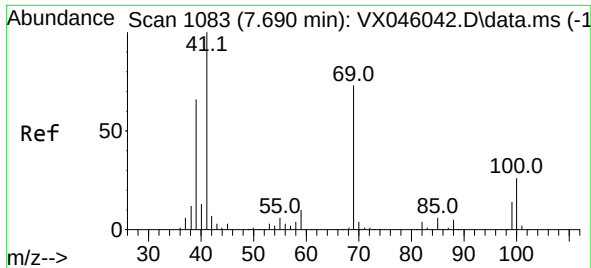
Tgt Ion:117 Resp: 13857
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 0.978 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.013 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Tgt Ion: 43 Resp: 3990
Ion Ratio Lower Upper
43 100
61 19.0 14.3 21.5
87 9.7 9.5 14.3

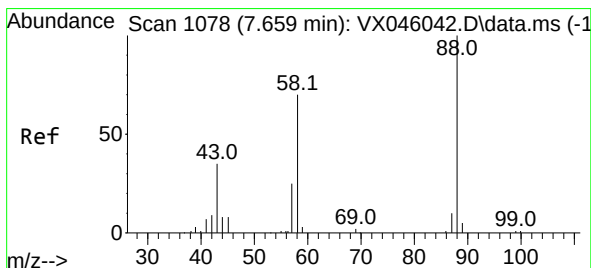
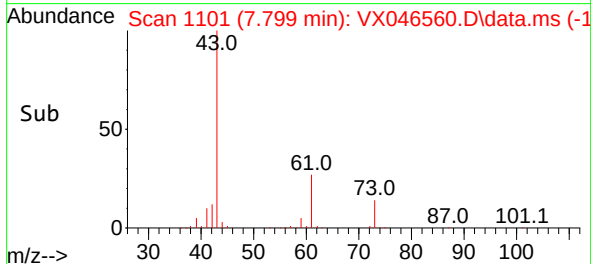
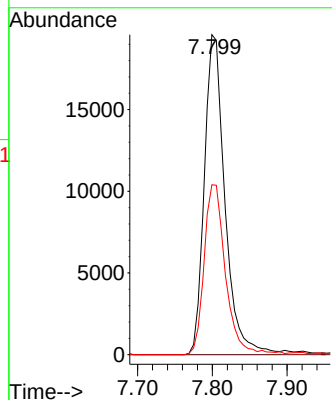
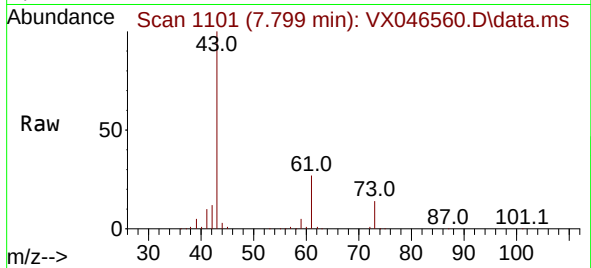




#48
Methyl methacrylate
Concen: 17.829 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

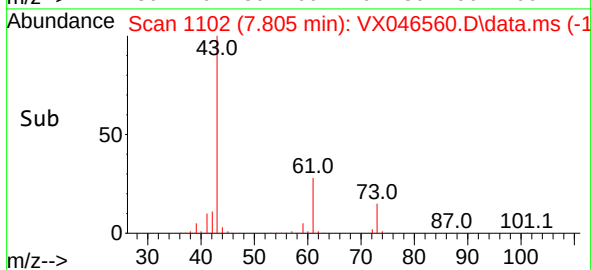
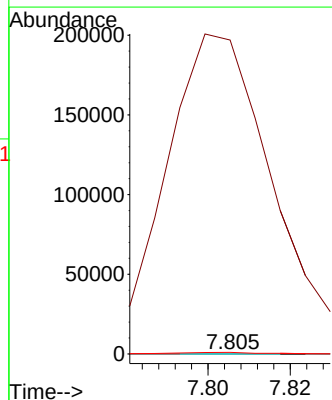
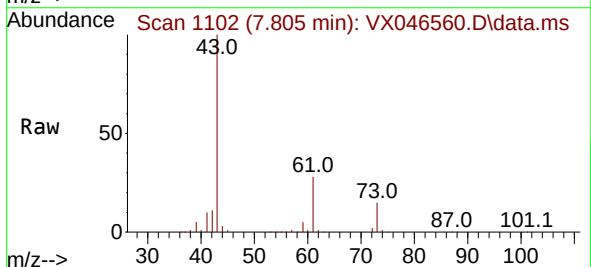
Instrument :
MSVOA_X
ClientSampleId :
TP-2

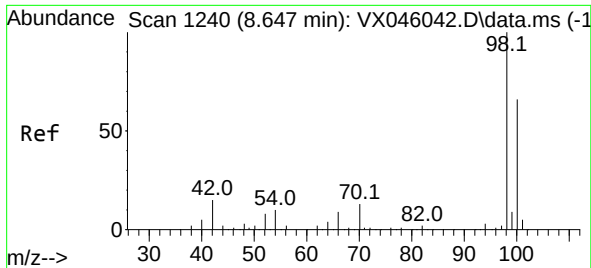
Tgt Ion: 41 Resp: 37407
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.2 51.7 77.5



#49
1,4-Dioxane
Concen: 0.677 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 2018894.7 33.4 50.2#
58 8805.3 58.6 88.0#

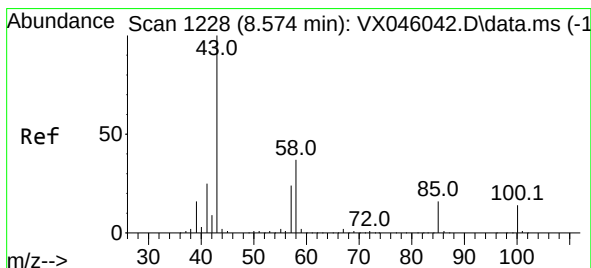
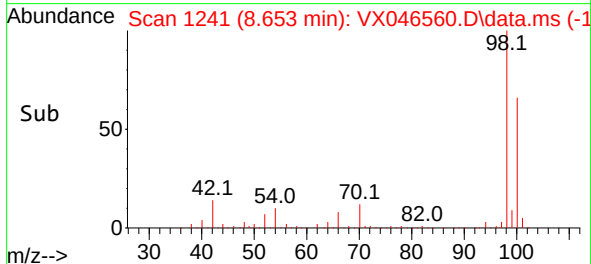
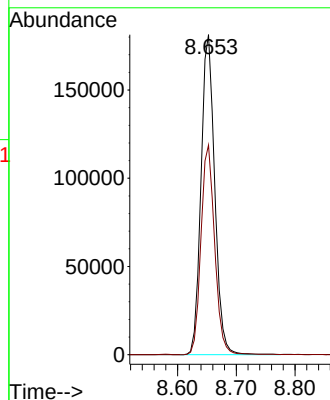
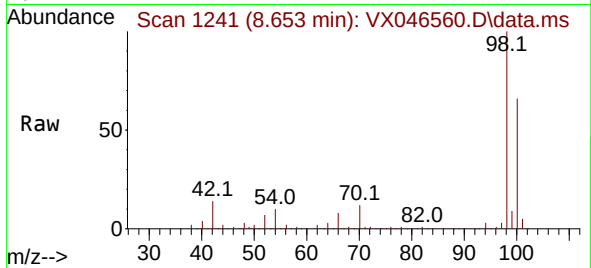




#50
Toluene-d8
Concen: 53.035 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

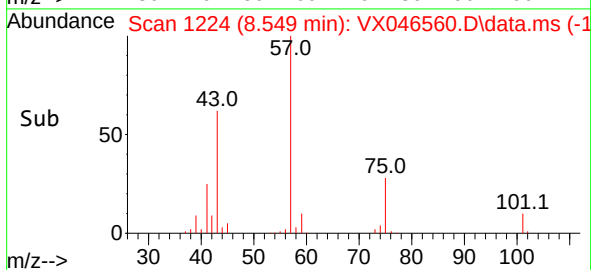
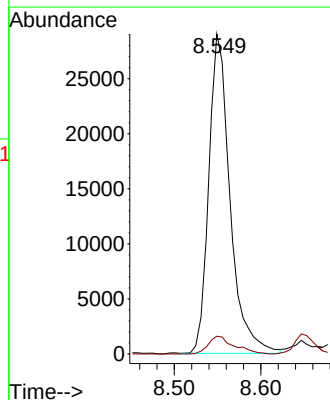
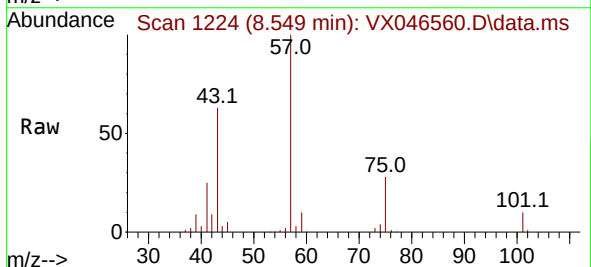
Instrument :
MSVOA_X
ClientSampleId :
TP-2

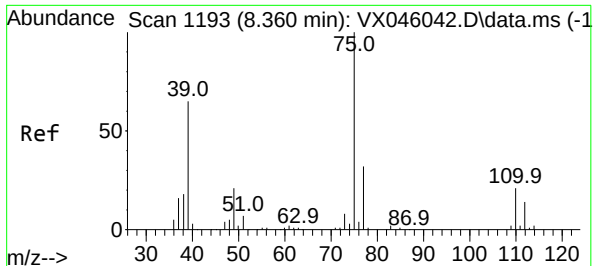
Tgt Ion: 98 Resp: 293371
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 19.081 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Tgt Ion: 43 Resp: 49445
Ion Ratio Lower Upper
43 100
58 6.7 28.9 43.3#

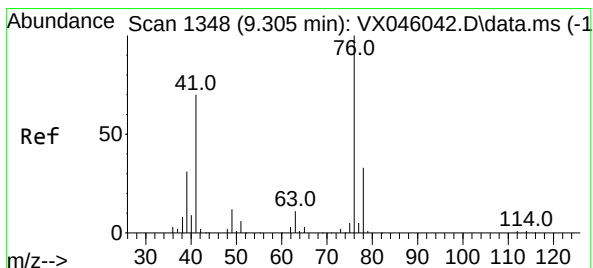
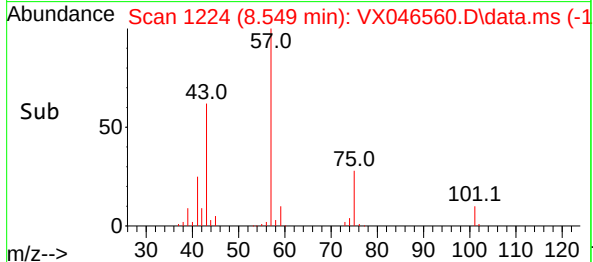
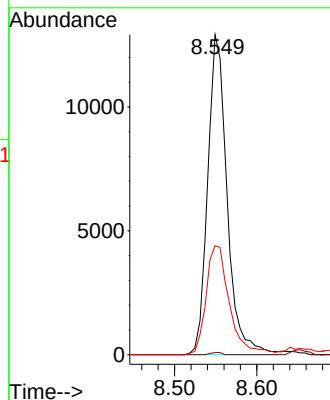
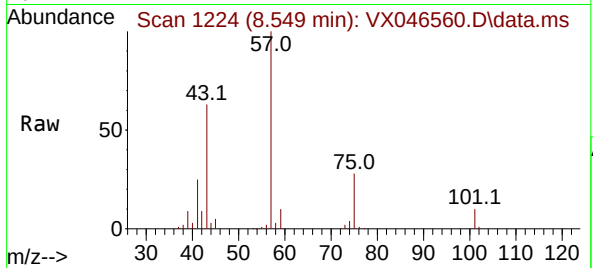




#54
 cis-1,3-Dichloropropene
 Concen: 7.889 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046560.D
 Acq: 07 Jun 2025 06:18

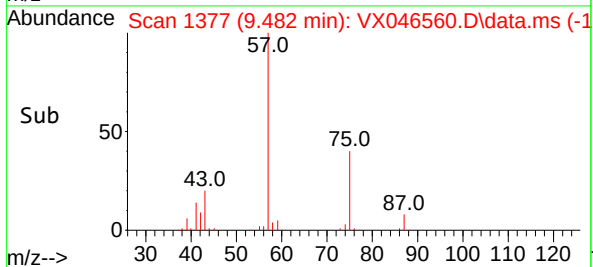
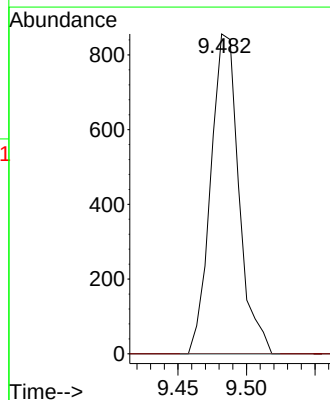
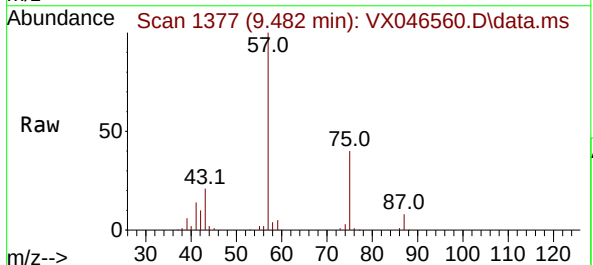
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

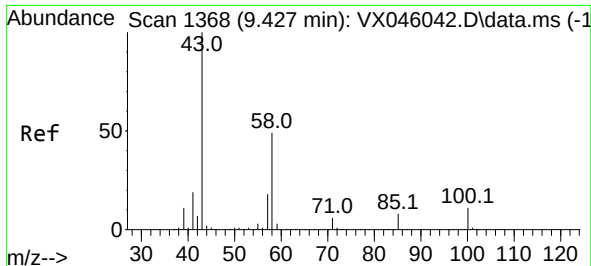
Tgt Ion: 75 Resp: 21186
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.0#
 39 34.0 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.416 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046560.D
 Acq: 07 Jun 2025 06:18

Tgt Ion: 76 Resp: 1223
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

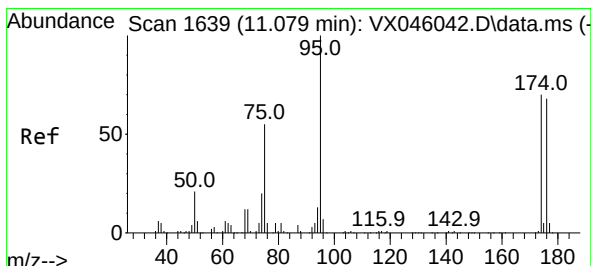
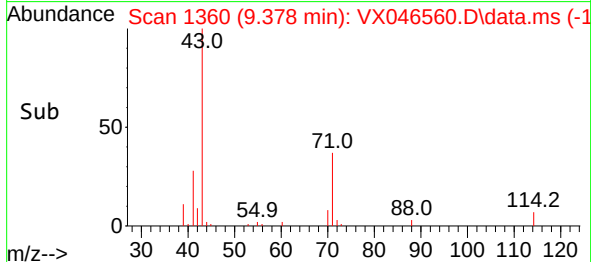
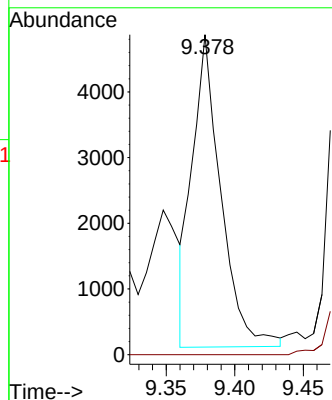
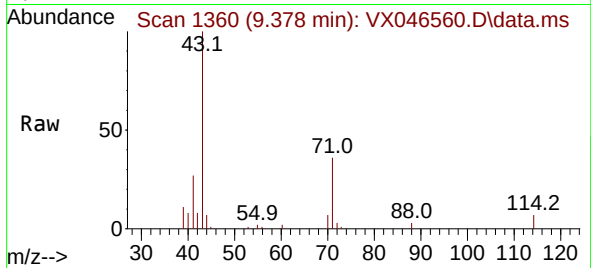




#59
2-Hexanone
Concen: 3.699 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

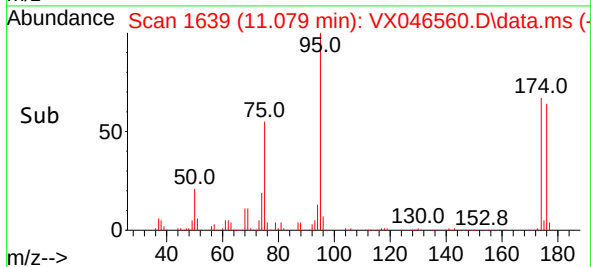
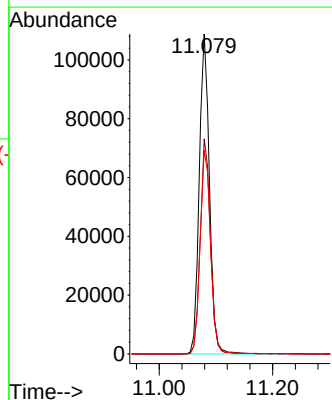
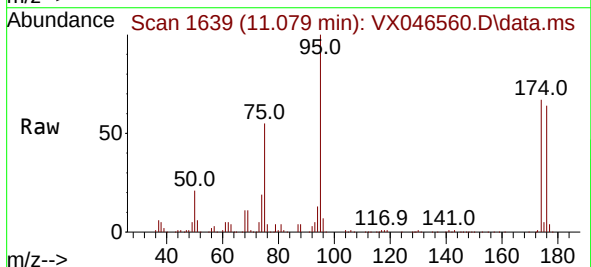
Instrument :
MSVOA_X
ClientSampleId :
TP-2

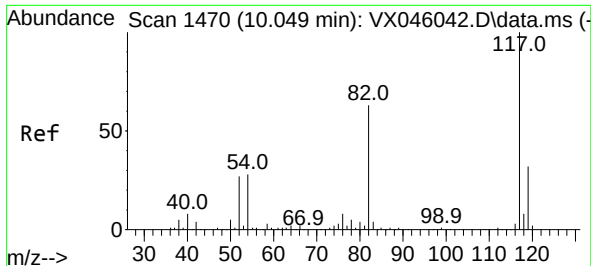
Tgt Ion: 43 Resp: 6874
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 59.183 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Tgt Ion: 95 Resp: 135451
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 65.2 0.0 131.4

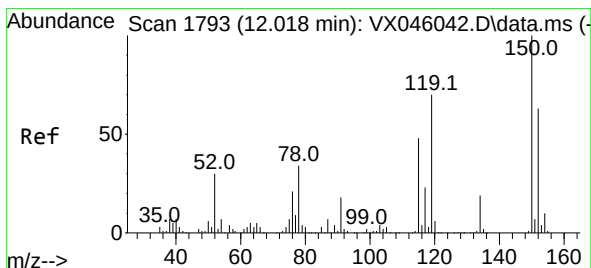
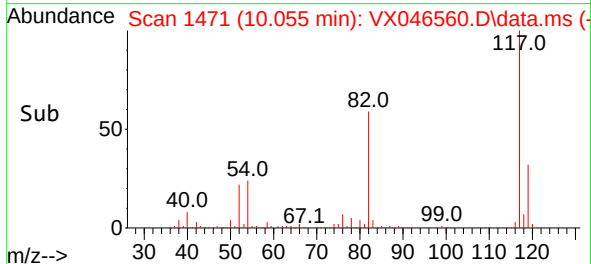
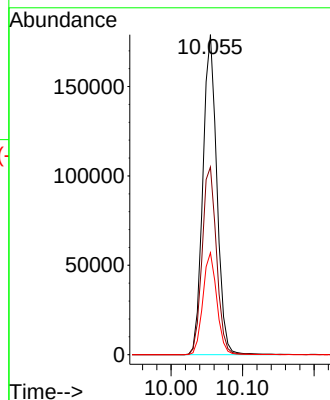
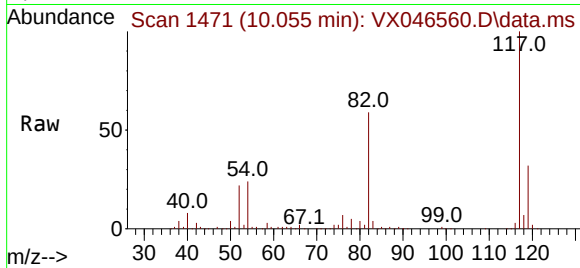




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

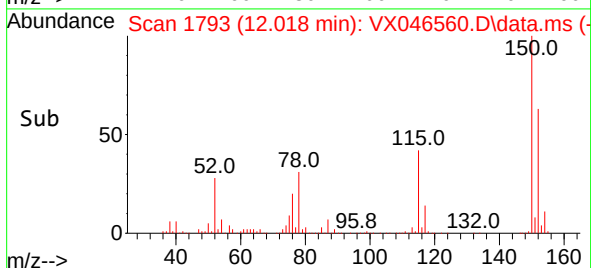
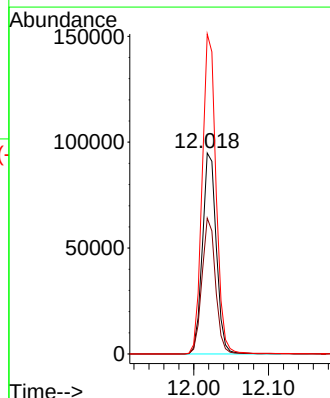
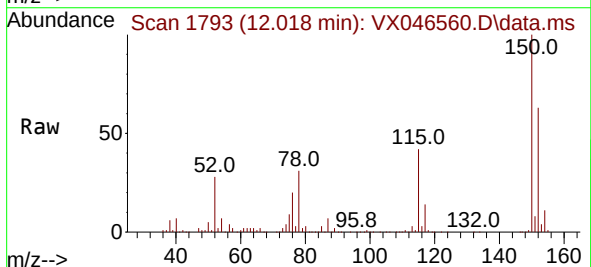
Instrument :
MSVOA_X
ClientSampleId :
TP-2

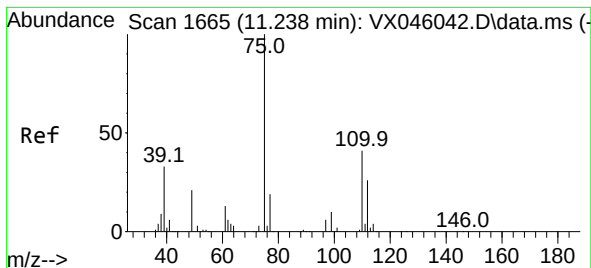
Tgt Ion:117 Resp: 243076
Ion Ratio Lower Upper
117 100
82 58.7 50.6 76.0
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Tgt Ion:152 Resp: 122784
Ion Ratio Lower Upper
152 100
115 65.8 46.9 140.7
150 158.4 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 28.396 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046560.D

Acq: 07 Jun 2025 06:18

Instrument :

MSVOA_X

ClientSampleId :

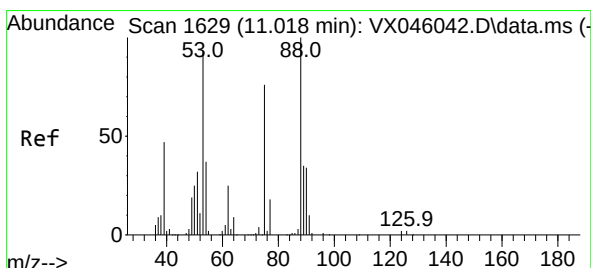
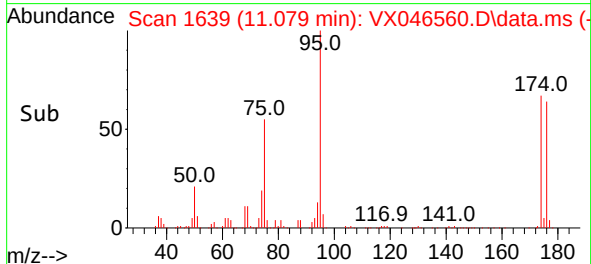
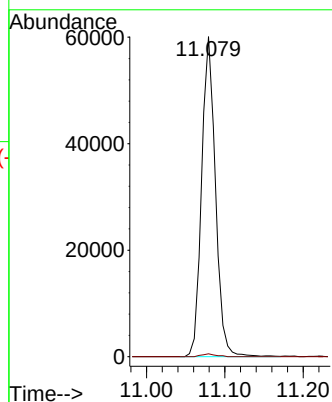
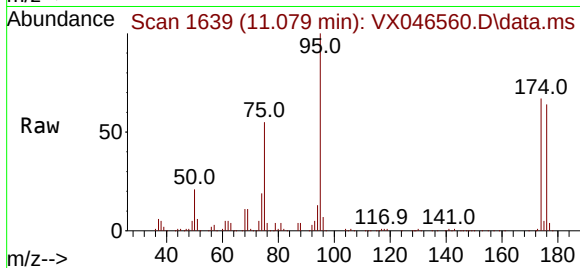
TP-2

Tgt Ion: 75 Resp: 73851

Ion Ratio Lower Upper

75 100

77 0.9 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.913 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046560.D

Acq: 07 Jun 2025 06:18

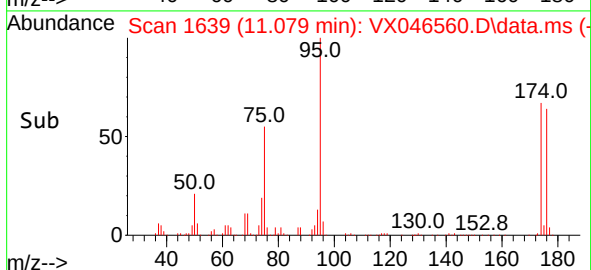
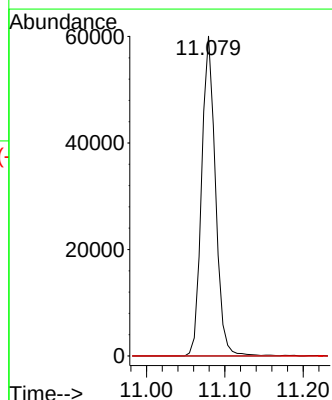
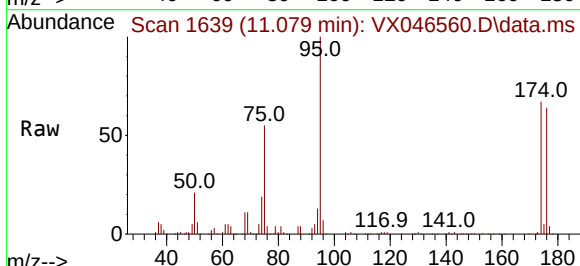
Tgt Ion: 75 Resp: 73851

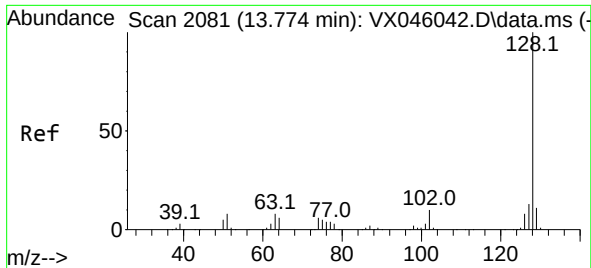
Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

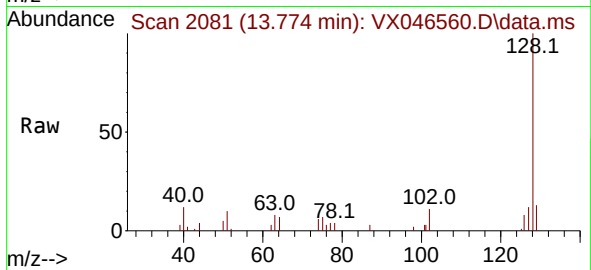
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 0.809 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046560.D
Acq: 07 Jun 2025 06:18

Instrument :
MSVOA_X
ClientSampleId :
TP-2



Tgt Ion:128 Resp: 7349
Ion Ratio Lower Upper
128 100
127 10.9 10.4 15.6
129 11.0 8.6 13.0

