

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046559.D
 Acq On : 07 Jun 2025 05:57
 Operator : JC/MD
 Sample : Q2240-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Jun 07 06:26:31 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

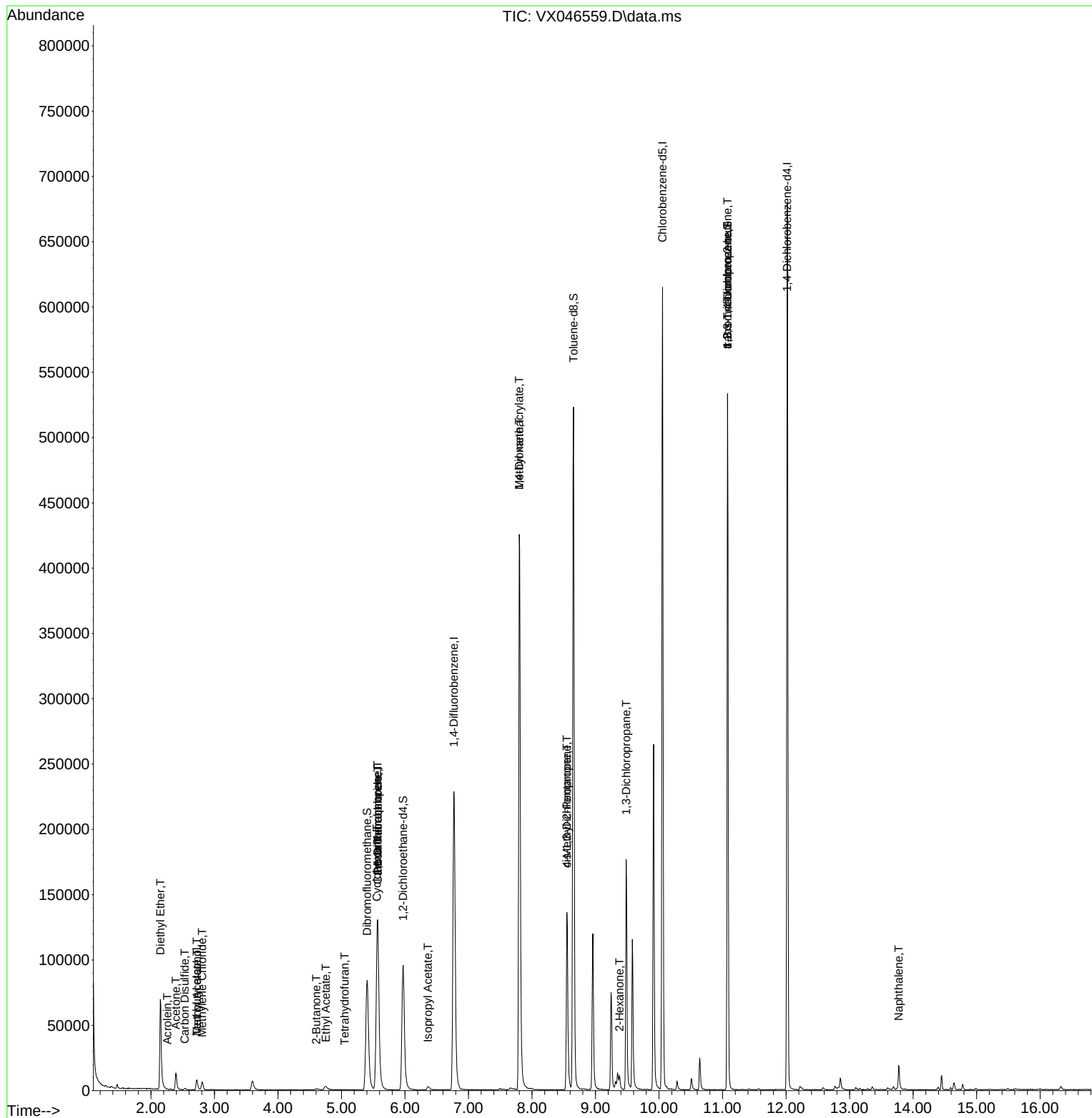
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	123242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	233778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	250403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	129823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	103444	47.179	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.360%
35) Dibromofluoromethane	5.403	113	78629	45.736	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.480%
50) Toluene-d8	8.653	98	302403	53.353	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.700%
62) 4-Bromofluorobenzene	11.079	95	139205	59.360	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	118.720%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.148	74	27450	30.246	ug/l	94
11) Tert butyl alcohol	2.721	59	852	3.502	ug/l #	72
13) Acrolein	2.257	56	49	30.152	ug/l #	15
16) Acetone	2.392	43	15293	22.030	ug/l	97
17) Carbon Disulfide	2.532	76	883	0.486	ug/l #	76
18) Methyl Acetate	2.721	43	11189	4.284	ug/l	99
20) Methylene Chloride	2.806	84	2865	1.629	ug/l	90
25) 2-Butanone	4.605	43	1038	0.850	ug/l	94
29) Tetrahydrofuran	5.050	42	287	0.372	ug/l #	35
31) Cyclohexane	5.556	56	3156	1.238	ug/l #	31
36) 1,1-Dichloropropene	5.568	75	11536	4.698	ug/l #	50
37) Ethyl Acetate	4.751	43	5792	2.417	ug/l #	88
38) Carbon Tetrachloride	5.574	117	14242	5.178	ug/l #	16
43) Isopropyl Acetate	6.360	43	4441	1.063	ug/l #	92
48) Methyl methacrylate	7.799	41	42754	19.887	ug/l #	48
49) 1,4-Dioxane	7.799	88	43	1.496	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	53035	19.974	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	22323	8.113	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1550	0.514	ug/l #	42
59) 2-Hexanone	9.378	43	7189	3.775	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	76368	27.772	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	76368	80.112	ug/l #	1
95) Naphthalene	13.774	128	13232	1.378	ug/l	100

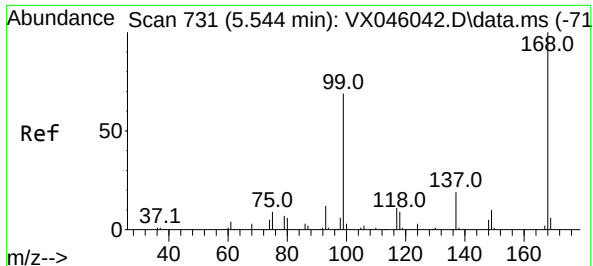
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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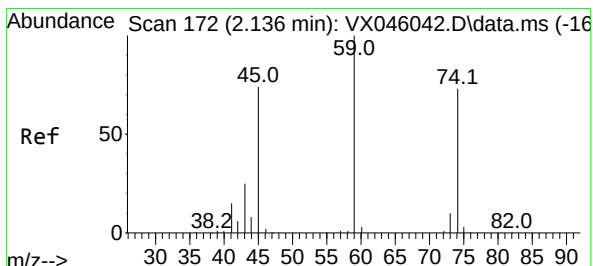
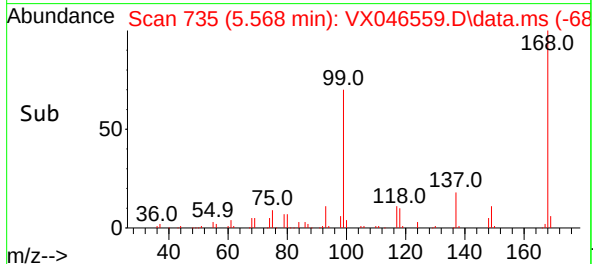
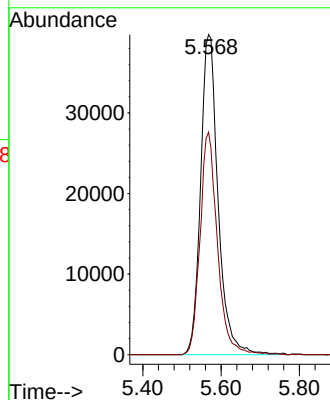
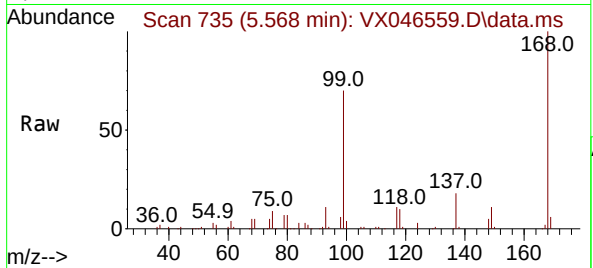




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

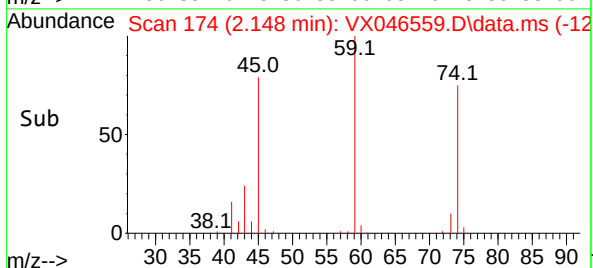
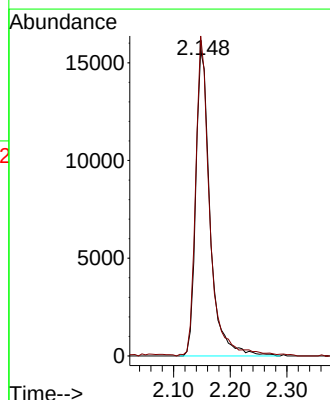
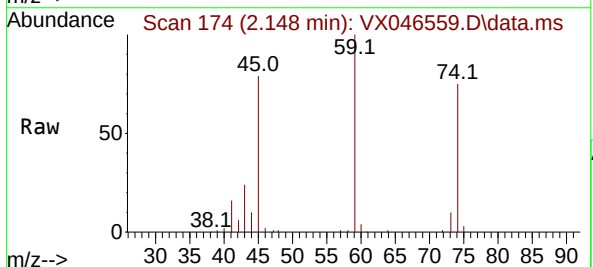
Instrument :
MSVOA_X
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TP-3

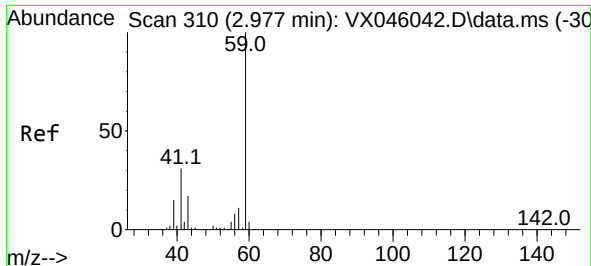
Tgt Ion:168 Resp: 123242
Ion Ratio Lower Upper
168 100
99 69.6 54.9 82.3



#8
Diethyl Ether
Concen: 30.246 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Tgt Ion: 74 Resp: 27450
Ion Ratio Lower Upper
74 100
45 103.4 54.9 164.8

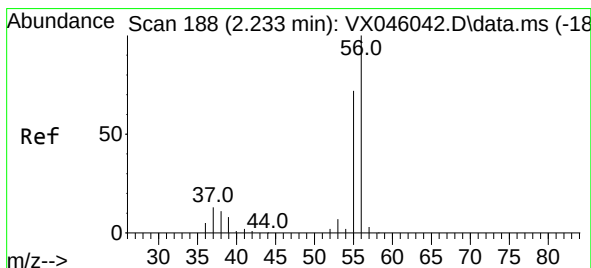
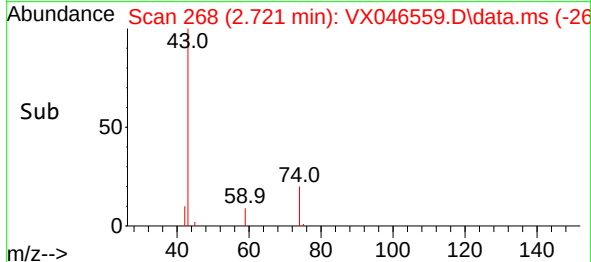
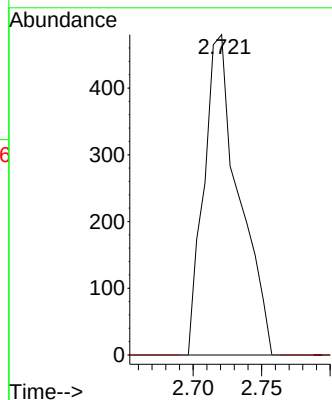
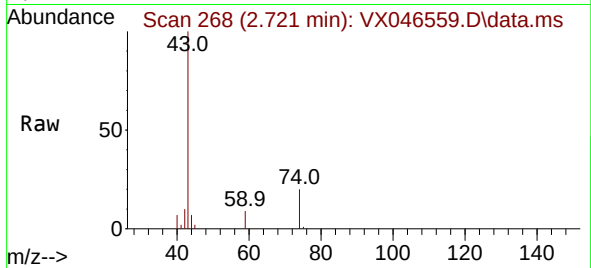




#11
Tert butyl alcohol
Concen: 3.502 ug/l
RT: 2.721 min Scan# 20
Delta R.T. -0.250 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

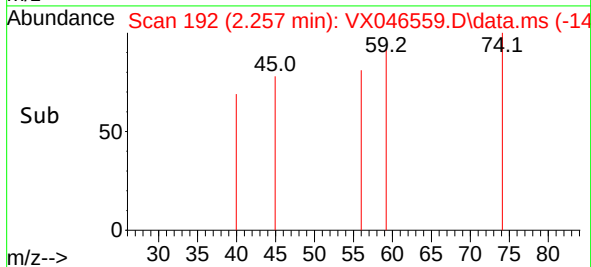
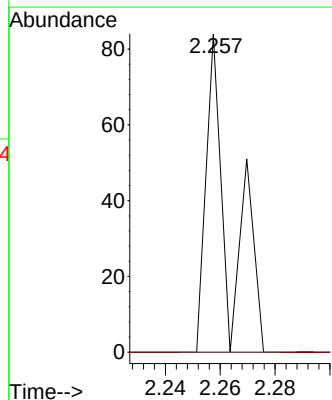
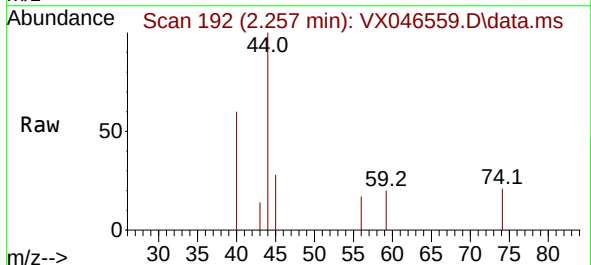
Instrument :
MSVOA_X
ClientSampleId :
TP-3

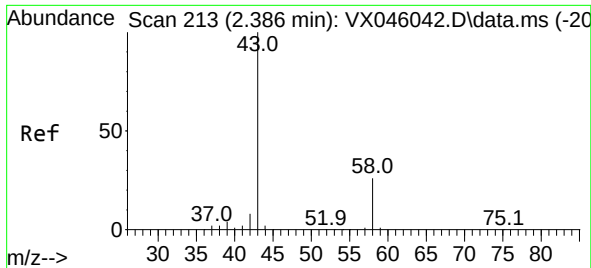
Tgt Ion: 59 Resp: 852
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 30.152 ug/l
RT: 2.257 min Scan# 192
Delta R.T. 0.006 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#





#16

Acetone

Concen: 22.030 ug/l

RT: 2.392 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX046559.D

Acq: 07 Jun 2025 05:57

Instrument :

MSVOA_X

ClientSampleId :

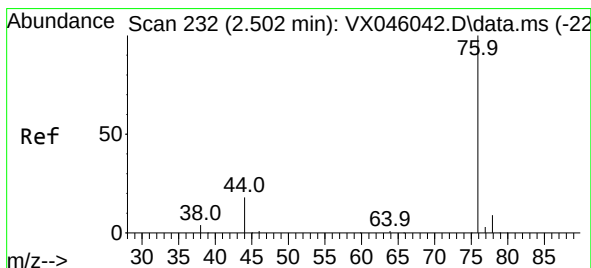
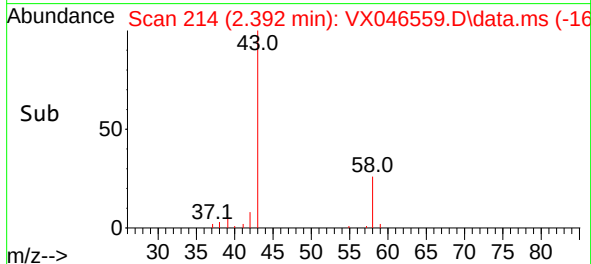
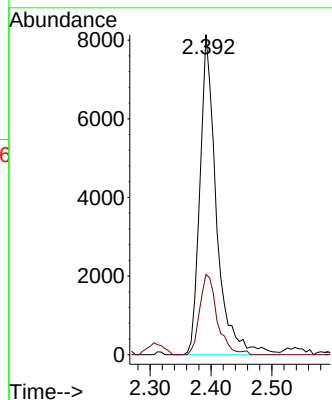
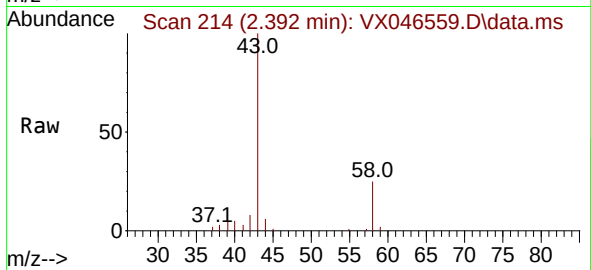
TP-3

Tgt Ion: 43 Resp: 15293

Ion Ratio Lower Upper

43 100

58 25.1 21.2 31.8



#17

Carbon Disulfide

Concen: 0.486 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.000 min

Lab File: VX046559.D

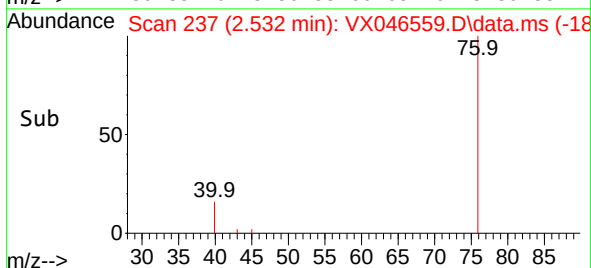
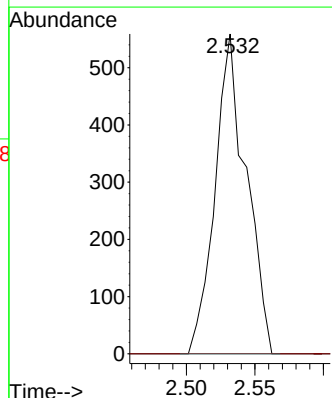
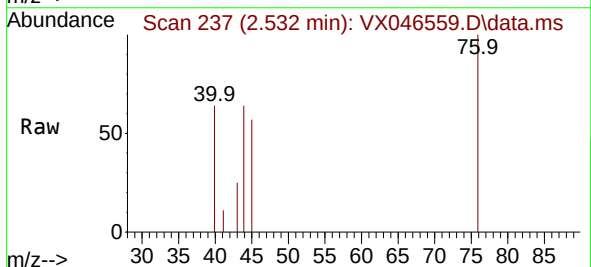
Acq: 07 Jun 2025 05:57

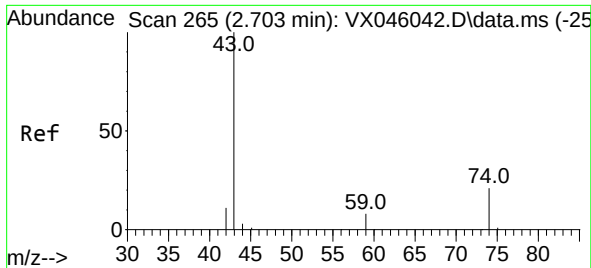
Tgt Ion: 76 Resp: 883

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

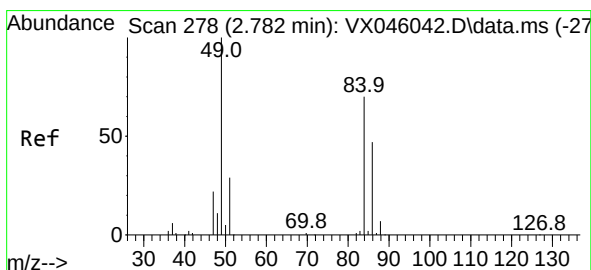
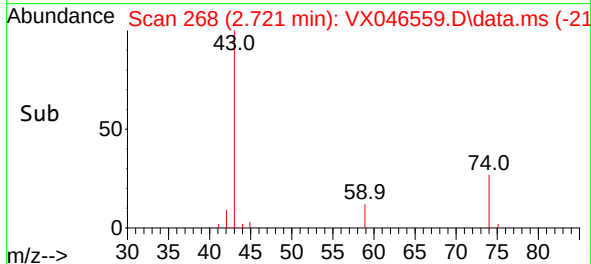
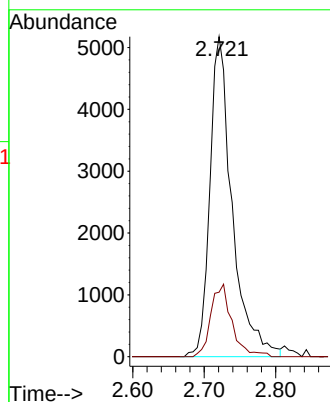
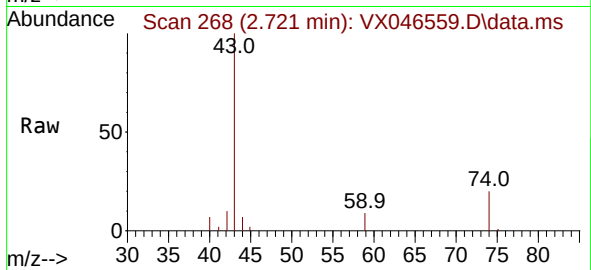




#18
Methyl Acetate
Concen: 4.284 ug/l
RT: 2.721 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

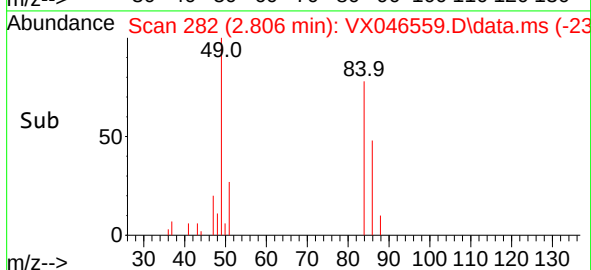
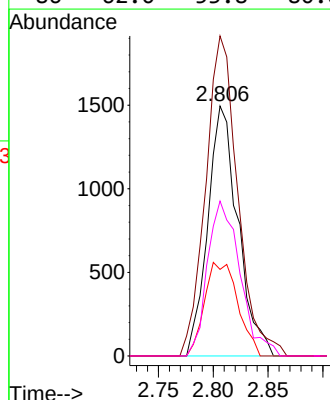
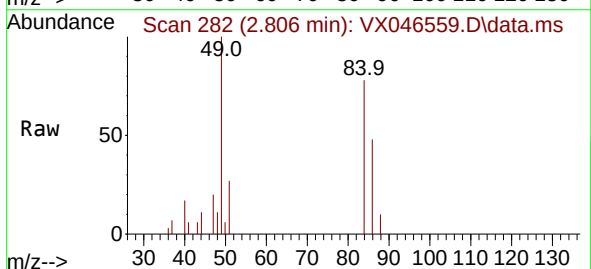
Instrument :
MSVOA_X
ClientSampleId :
TP-3

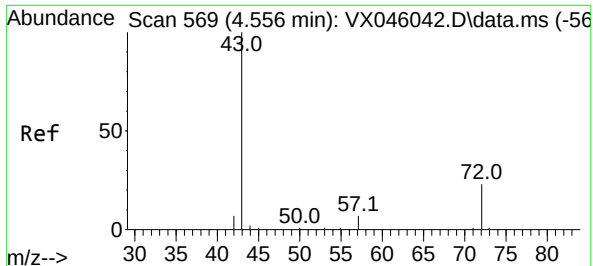
Tgt Ion: 43 Resp: 11189
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1



#20
Methylene Chloride
Concen: 1.629 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Tgt Ion: 84 Resp: 2865
Ion Ratio Lower Upper
84 100
49 128.0 113.9 170.9
51 34.6 33.5 50.3
86 62.0 53.8 80.8





#25

2-Butanone

Concen: 0.850 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX046559.D

Acq: 07 Jun 2025 05:57

Instrument :

MSVOA_X

ClientSampleId :

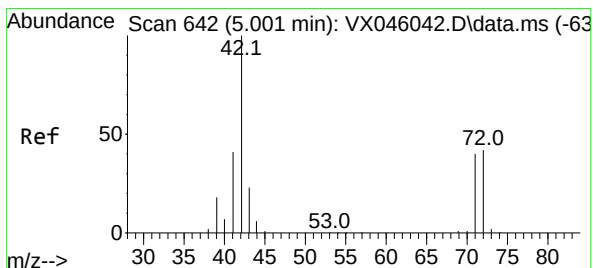
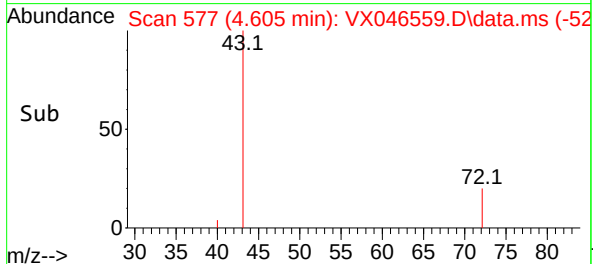
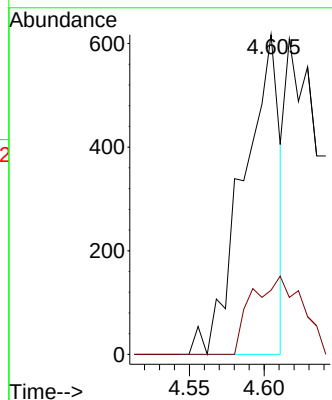
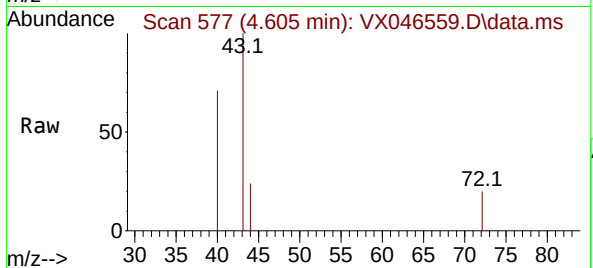
TP-3

Tgt Ion: 43 Resp: 1038

Ion Ratio Lower Upper

43 100

72 20.1 18.4 27.6



#29

Tetrahydrofuran

Concen: 0.372 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.031 min

Lab File: VX046559.D

Acq: 07 Jun 2025 05:57

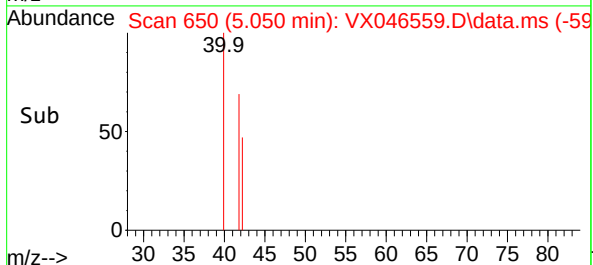
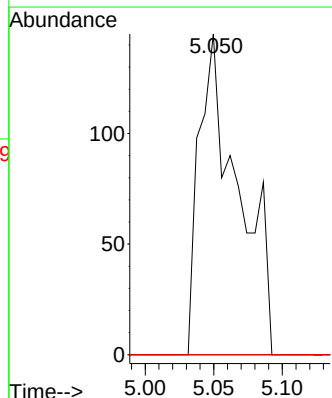
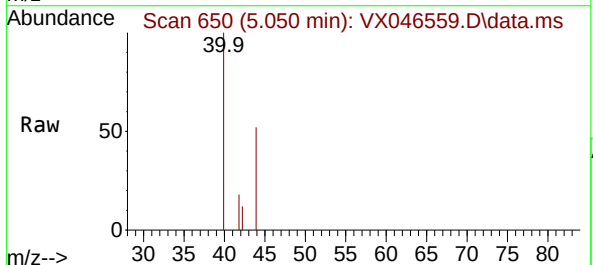
Tgt Ion: 42 Resp: 287

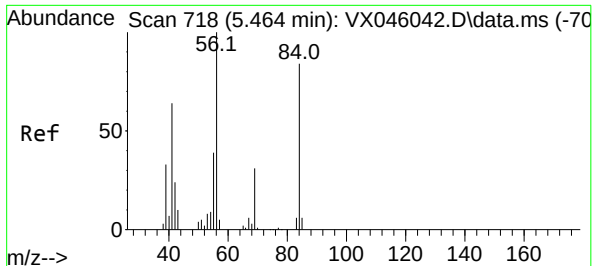
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#

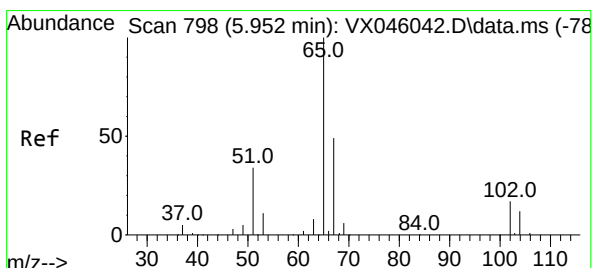
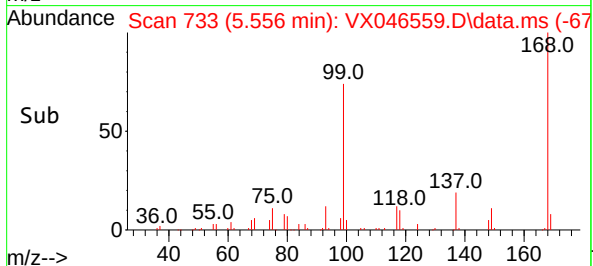
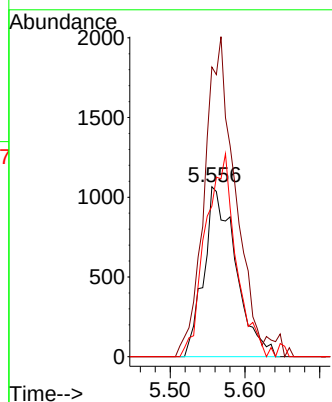
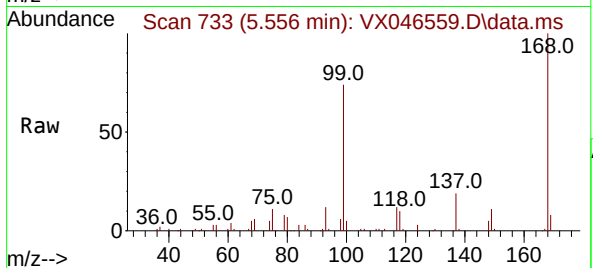




#31
Cyclohexane
Concen: 1.238 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

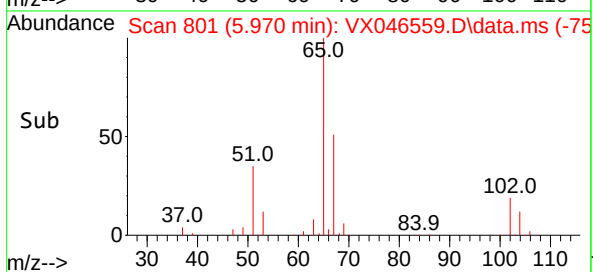
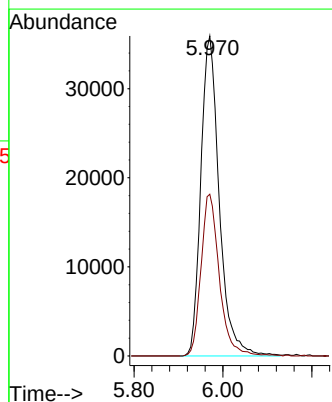
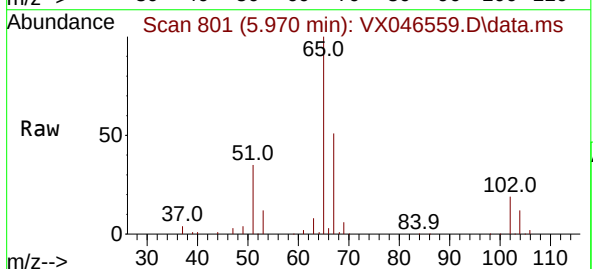
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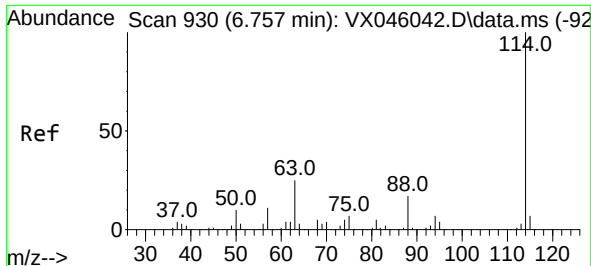
Tgt Ion: 56 Resp: 3156
Ion Ratio Lower Upper
56 100
69 164.1 24.4 36.6#
84 88.6 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 47.179 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Tgt Ion: 65 Resp: 103444
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.0

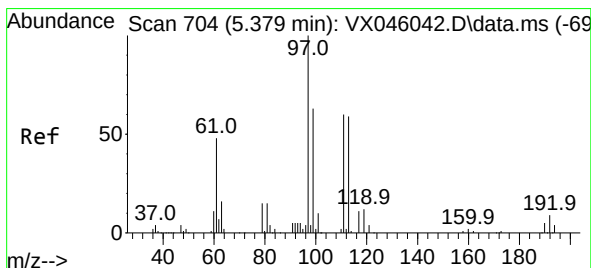
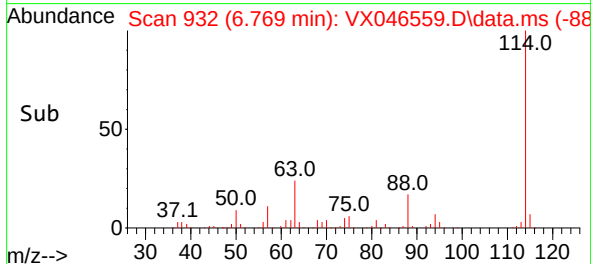
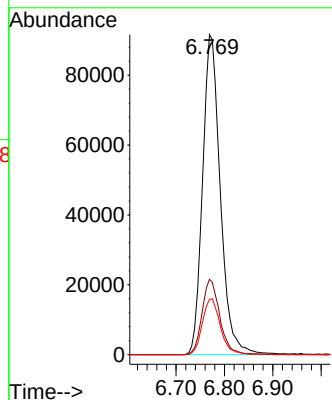
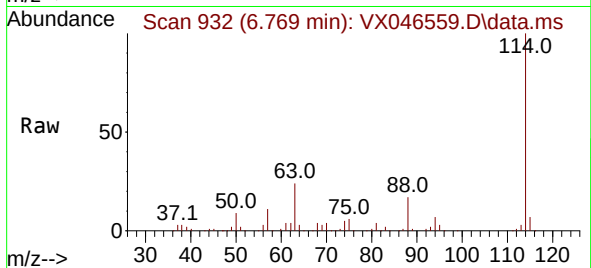




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

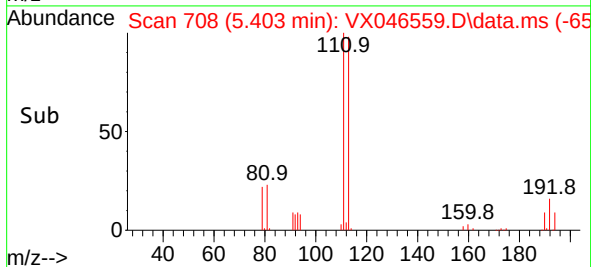
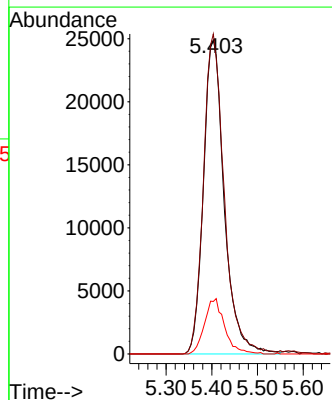
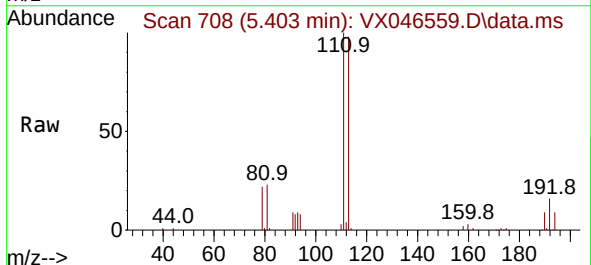
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ClientSampleId :
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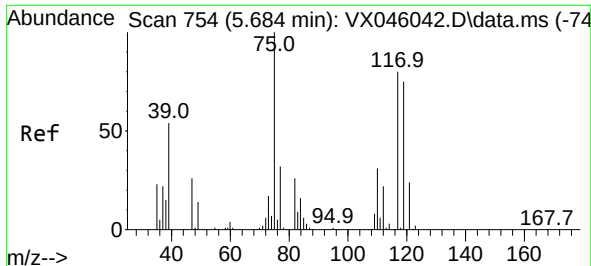
Tgt Ion:114 Resp: 233778
Ion Ratio Lower Upper
114 100
63 23.6 0.0 49.2
88 17.3 0.0 33.6



#35
Dibromofluoromethane
Concen: 45.736 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Tgt Ion:113 Resp: 78629
Ion Ratio Lower Upper
113 100
111 102.1 83.1 124.7
192 17.1 13.3 19.9

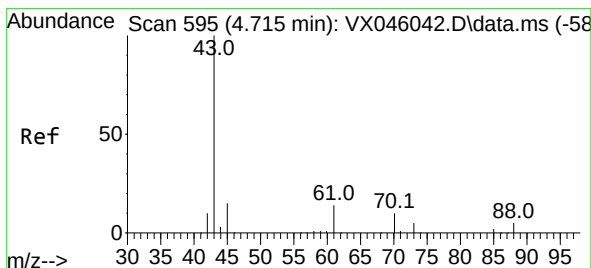
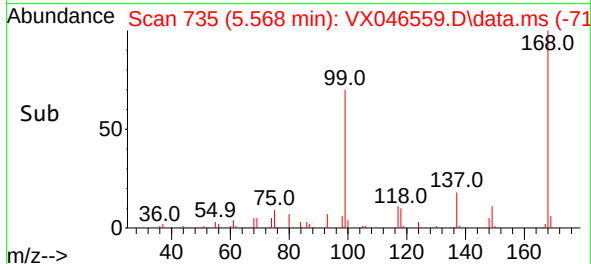
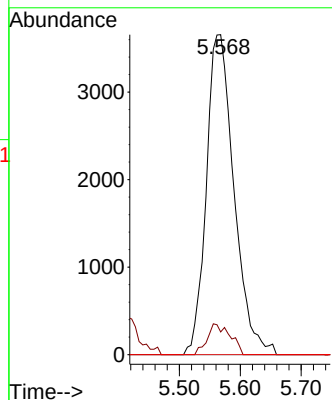
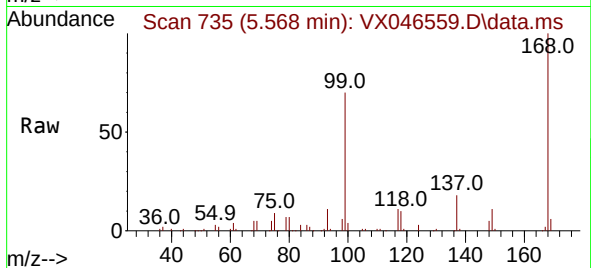




#36
1,1-Dichloropropene
Concen: 4.698 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

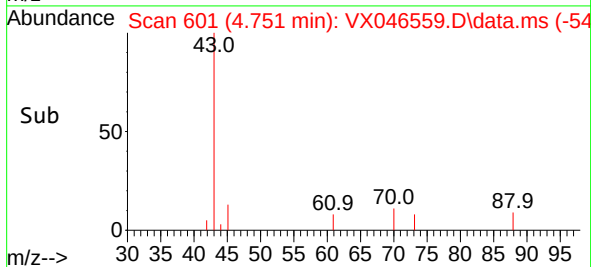
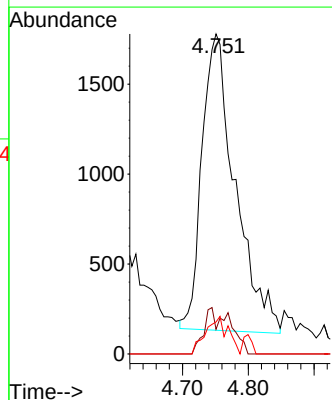
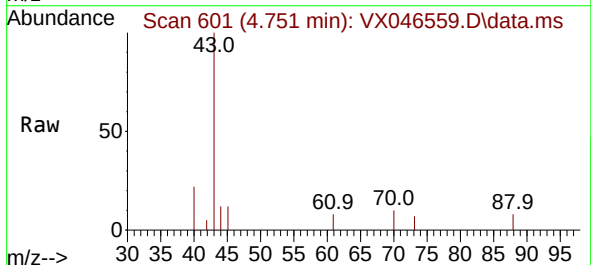
Instrument :
MSVOA_X
ClientSampleId :
TP-3

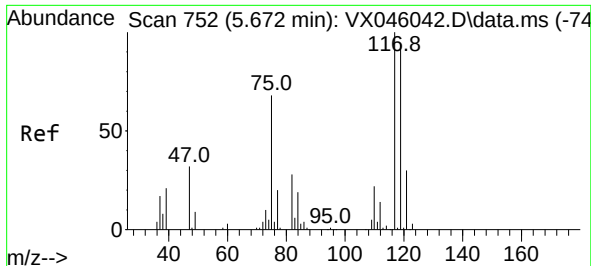
Tgt Ion: 75 Resp: 11536
Ion Ratio Lower Upper
75 100
110 8.0 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.417 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

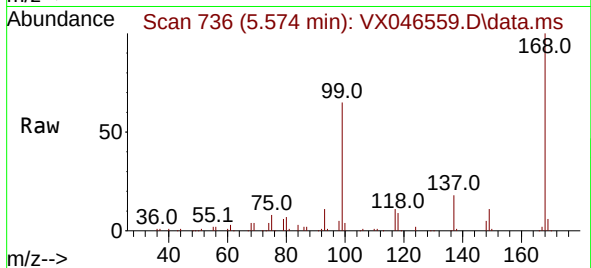
Tgt Ion: 43 Resp: 5792
Ion Ratio Lower Upper
43 100
61 5.6 10.3 15.5#
70 8.5 7.9 11.9



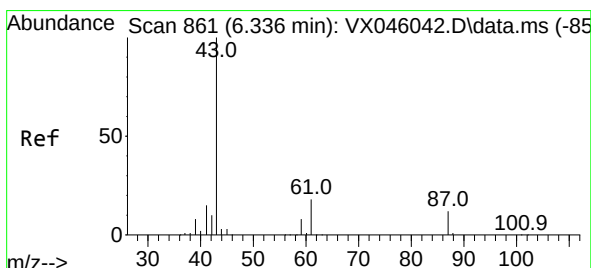
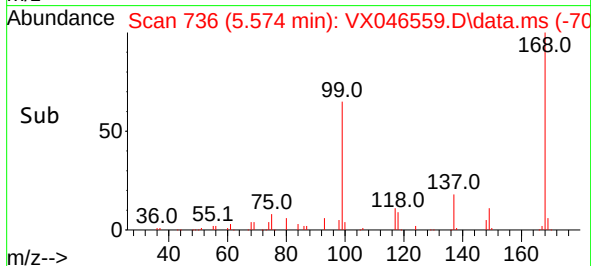
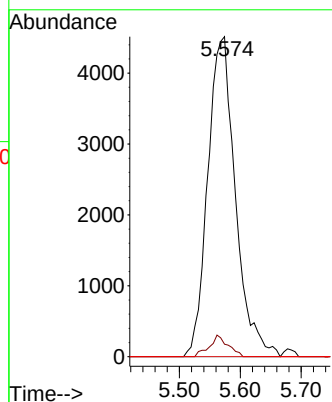


#38
Carbon Tetrachloride
Concen: 5.178 ug/l
RT: 5.574 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Instrument :
MSVOA_X
ClientSampleId :
TP-3

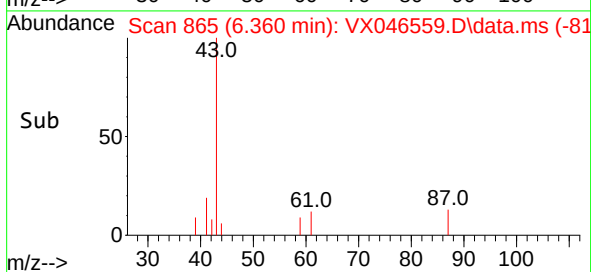
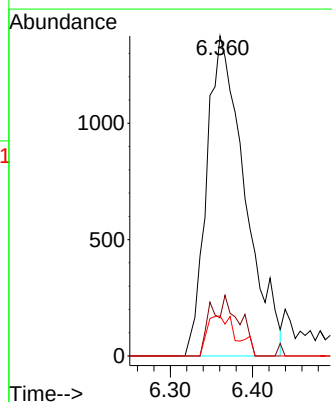
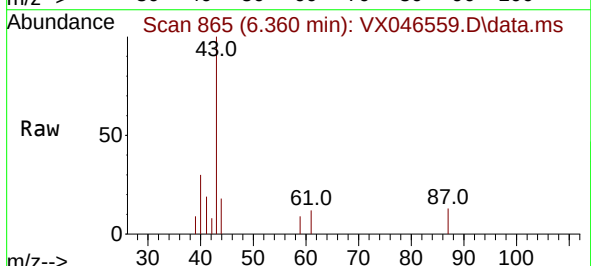


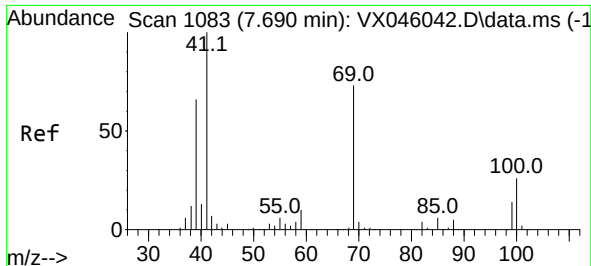
Tgt Ion:117 Resp: 14242
Ion Ratio Lower Upper
117 100
119 3.9 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.063 ug/l
RT: 6.360 min Scan# 865
Delta R.T. 0.006 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Tgt Ion: 43 Resp: 4441
Ion Ratio Lower Upper
43 100
61 13.9 14.3 21.5#
87 9.7 9.5 14.3

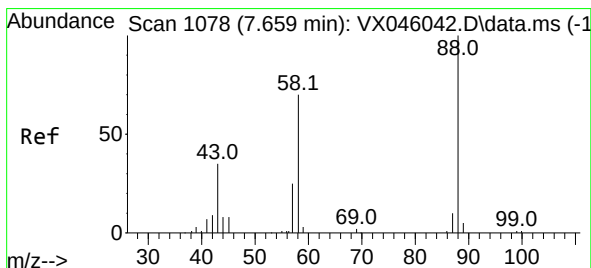
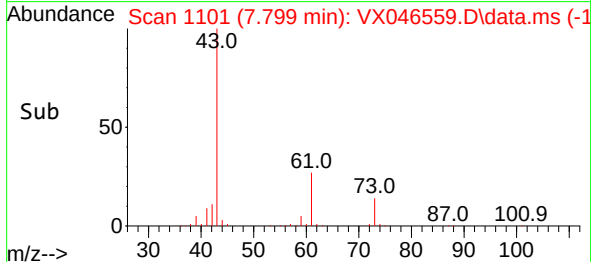
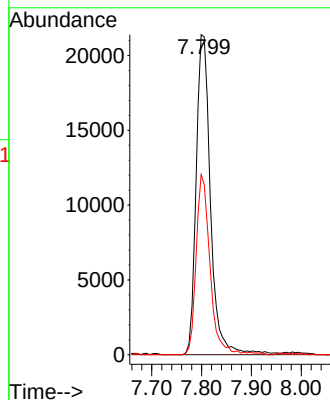
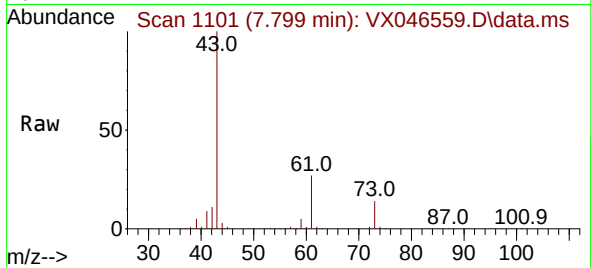




#48
Methyl methacrylate
Concen: 19.887 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

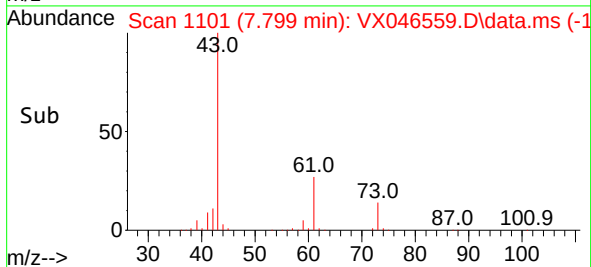
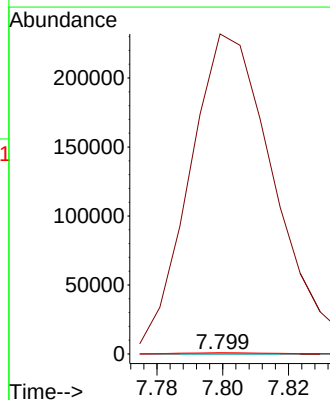
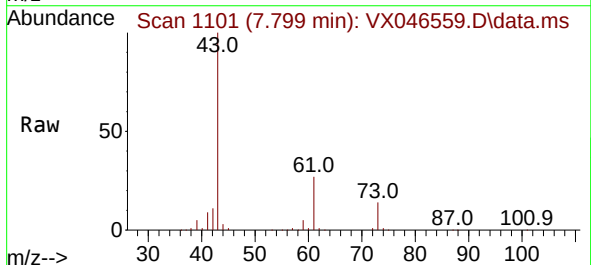
Instrument :
MSVOA_X
ClientSampleId :
TP-3

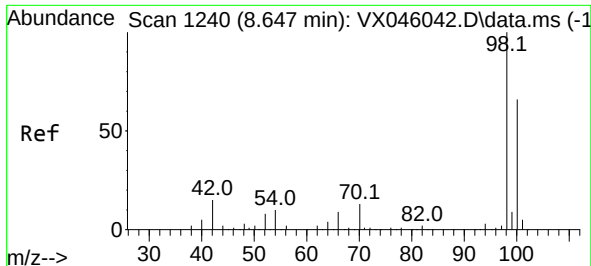
Tgt Ion: 41 Resp: 42754
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.7 51.7 77.5



#49
1,4-Dioxane
Concen: 1.496 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.128 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 1016586.0 33.4 50.2#
58 4260.5 58.6 88.0#

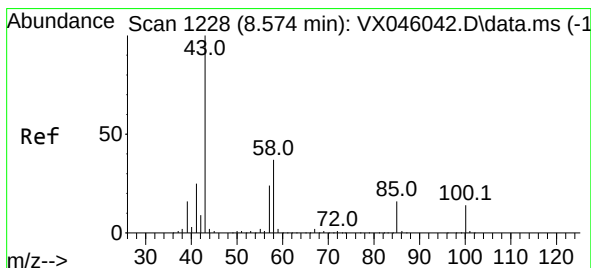
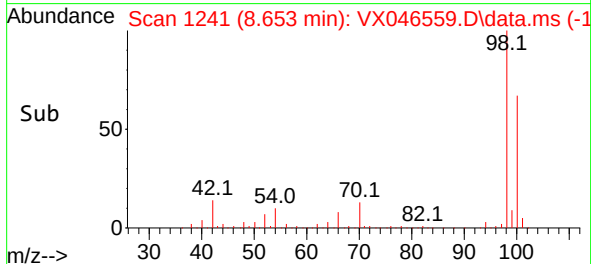
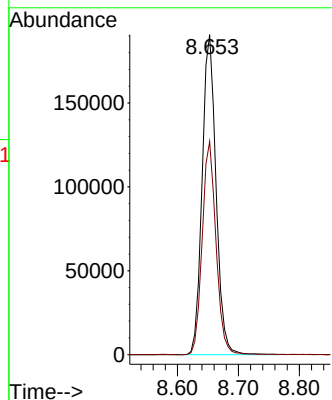
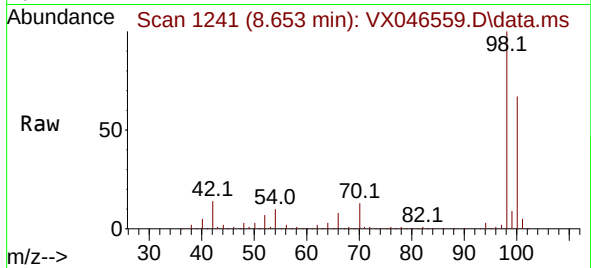




#50
Toluene-d8
Concen: 53.353 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

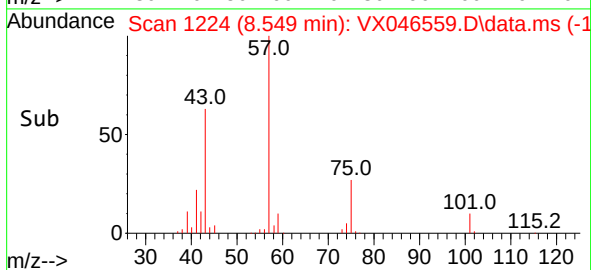
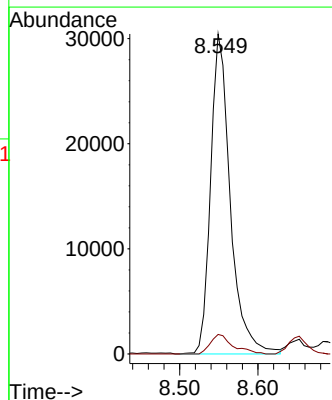
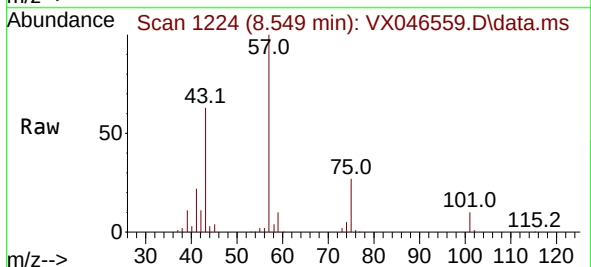
Instrument :
MSVOA_X
ClientSampleId :
TP-3

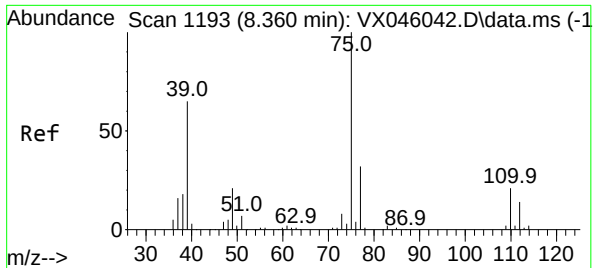
Tgt Ion: 98 Resp: 302403
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 19.974 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Tgt Ion: 43 Resp: 53035
Ion Ratio Lower Upper
43 100
58 6.9 28.9 43.3#

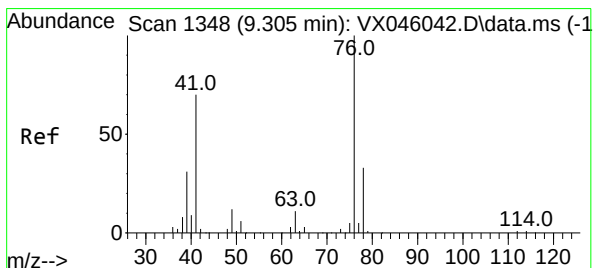
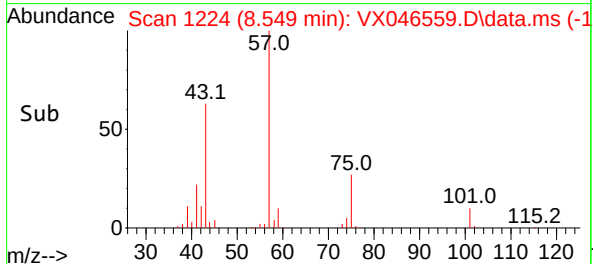
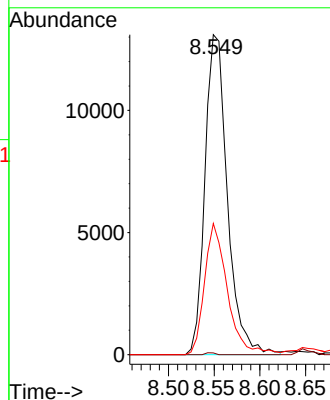
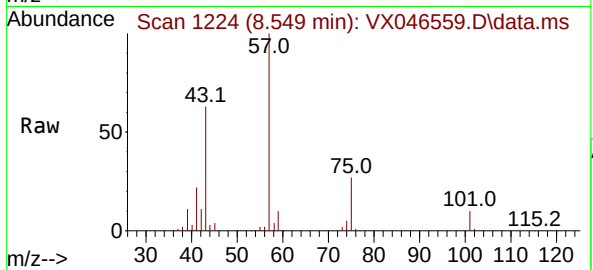




#54
 cis-1,3-Dichloropropene
 Concen: 8.113 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046559.D
 Acq: 07 Jun 2025 05:57

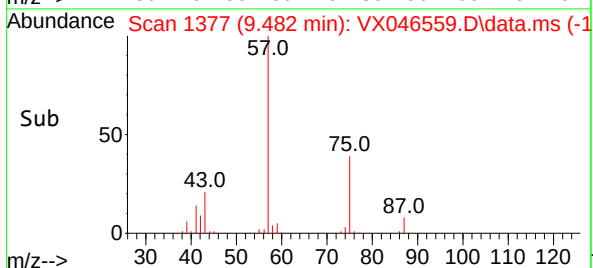
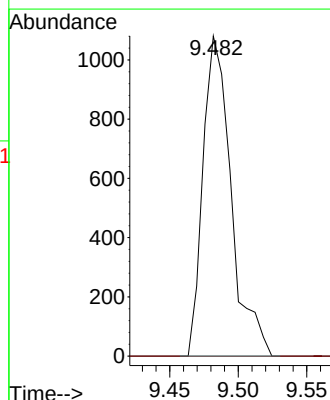
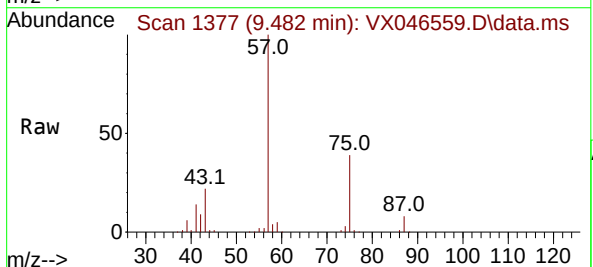
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

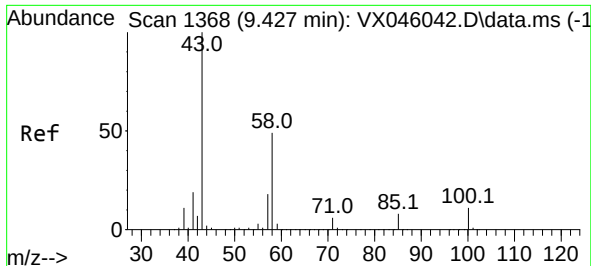
Tgt Ion: 75 Resp: 22323
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.4 38.0#
 39 41.0 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.514 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046559.D
 Acq: 07 Jun 2025 05:57

Tgt Ion: 76 Resp: 1550
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

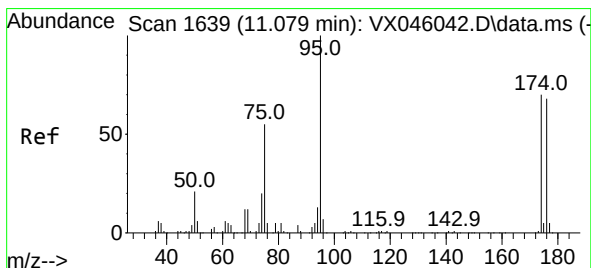
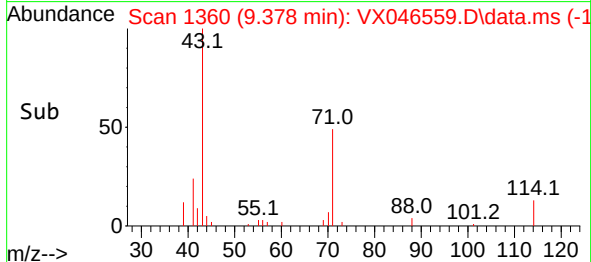
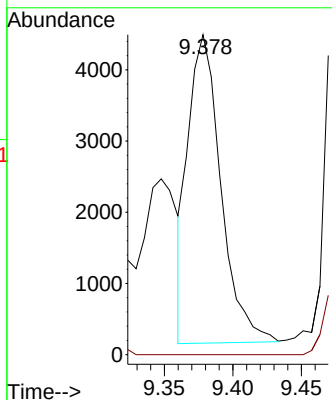
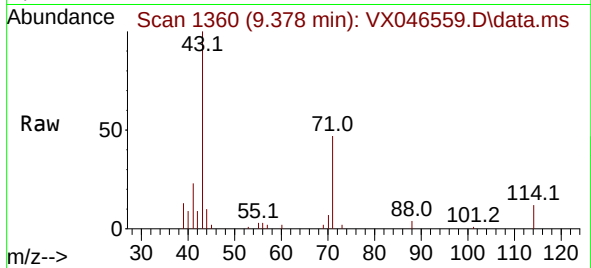




#59
2-Hexanone
Concen: 3.775 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

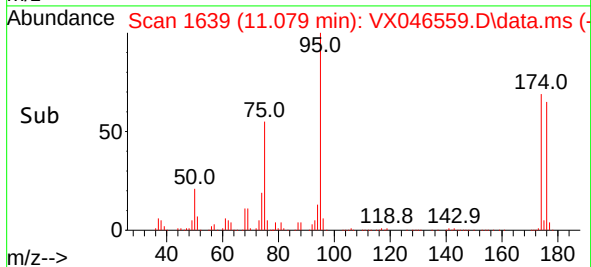
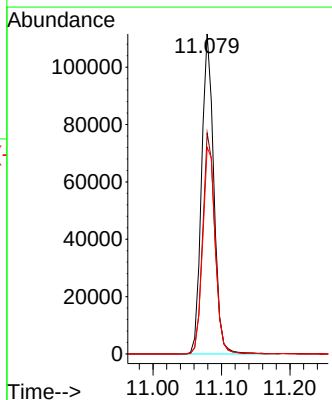
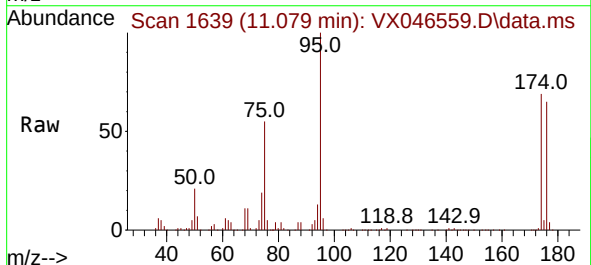
Instrument :
MSVOA_X
ClientSampleId :
TP-3

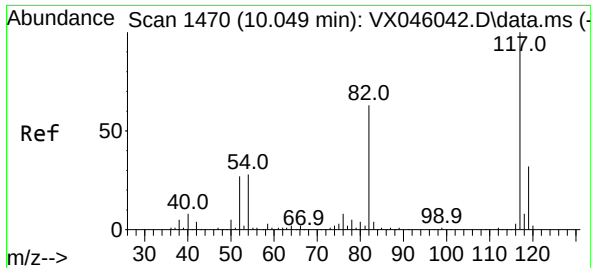
Tgt Ion: 43 Resp: 7189
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 59.360 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Tgt Ion: 95 Resp: 139205
Ion Ratio Lower Upper
95 100
174 68.6 0.0 135.8
176 66.8 0.0 131.4

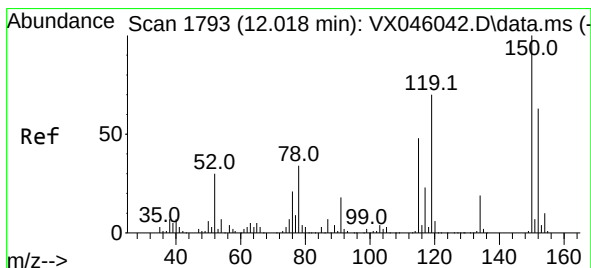
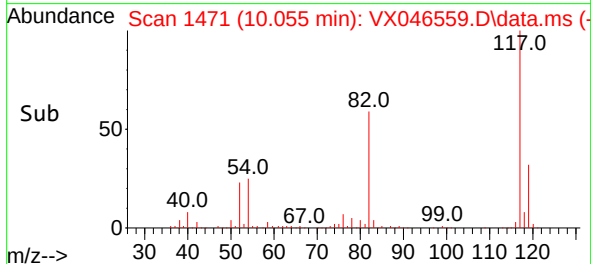
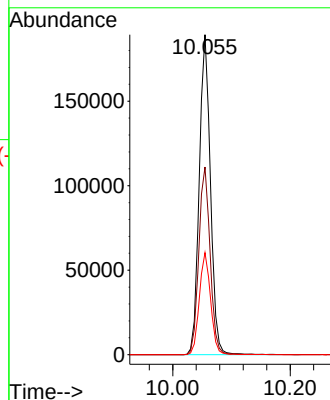
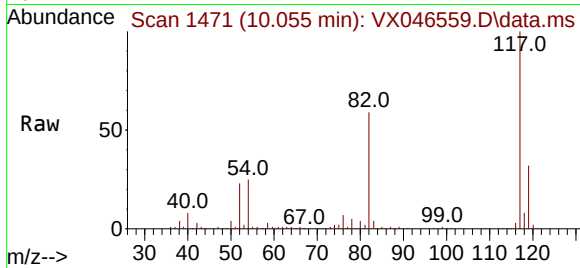




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

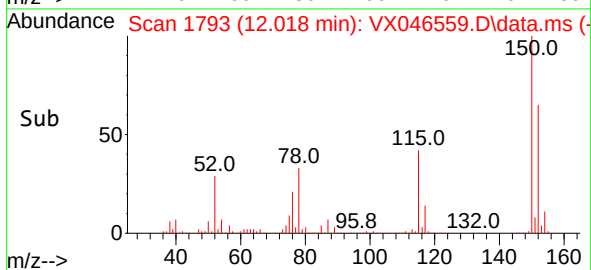
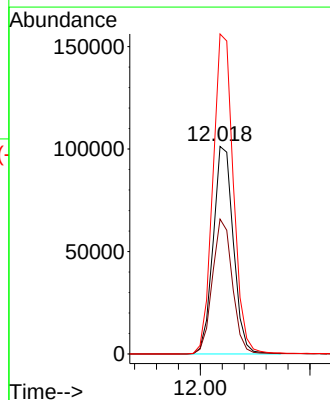
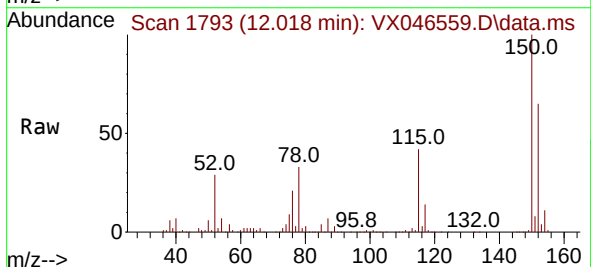
Instrument :
MSVOA_X
ClientSampleId :
TP-3

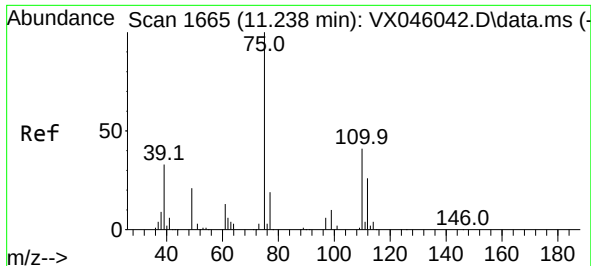
Tgt Ion:117 Resp: 250403
Ion Ratio Lower Upper
117 100
82 58.7 50.6 76.0
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Tgt Ion:152 Resp: 129823
Ion Ratio Lower Upper
152 100
115 64.2 46.9 140.7
150 156.8 0.0 351.0

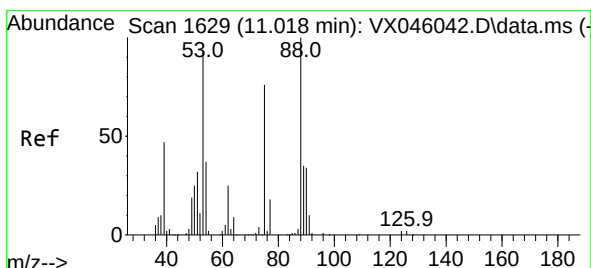
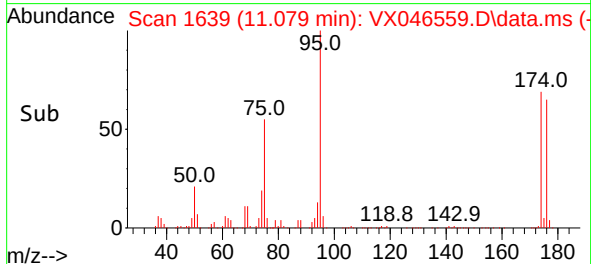
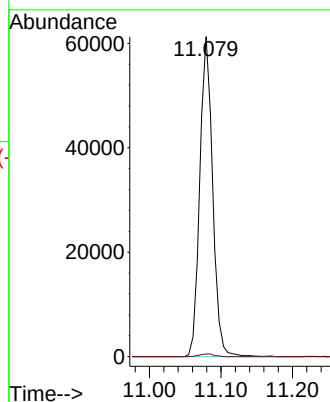
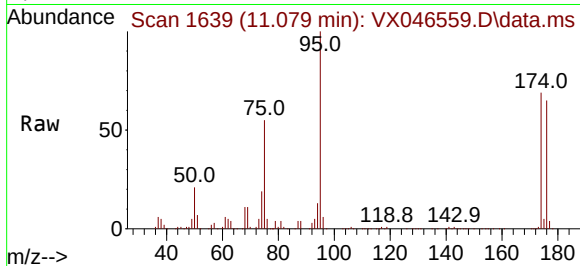




#76
1,2,3-Trichloropropane
Concen: 27.772 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

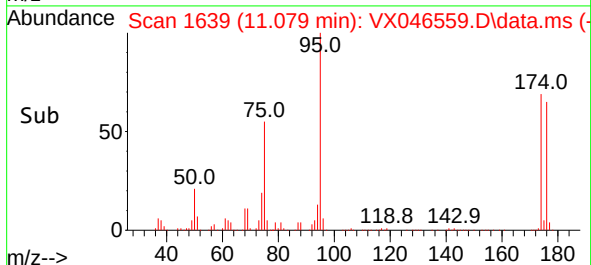
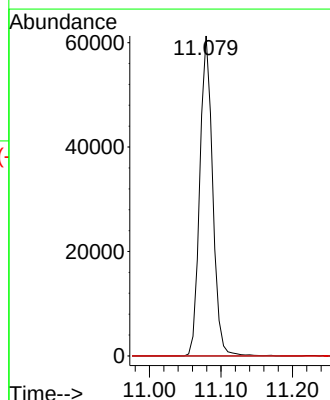
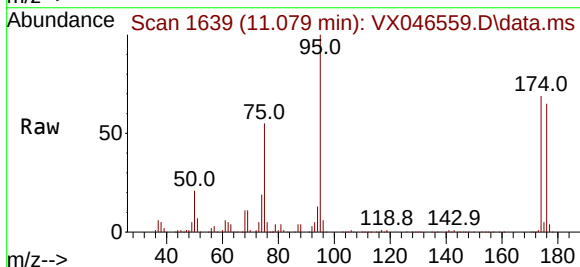
Instrument :
MSVOA_X
ClientSampleId :
TP-3

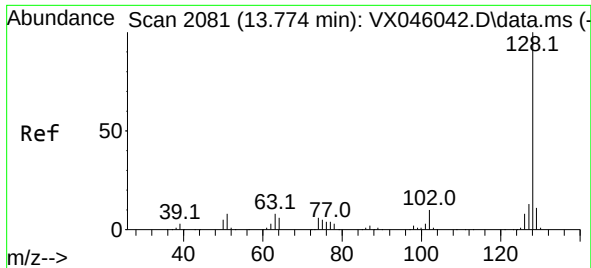
Tgt Ion: 75 Resp: 76368
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.112 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

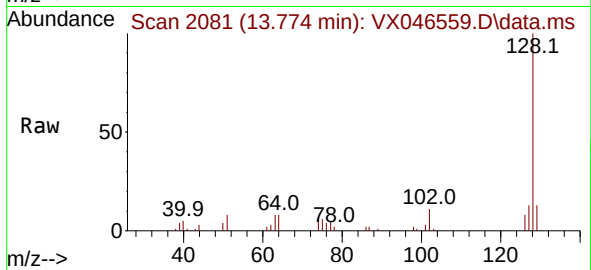
Tgt Ion: 75 Resp: 76368
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 1.378 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046559.D
Acq: 07 Jun 2025 05:57

Instrument :
MSVOA_X
ClientSampleId :
TP-3



Tgt Ion:	128	Resp:	13232
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.6	13.0

