

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
 Data File : VX047084.D
 Acq On : 23 Jul 2025 12:43
 Operator : JC/MD
 Sample : Q2668-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Jul 24 05:47:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

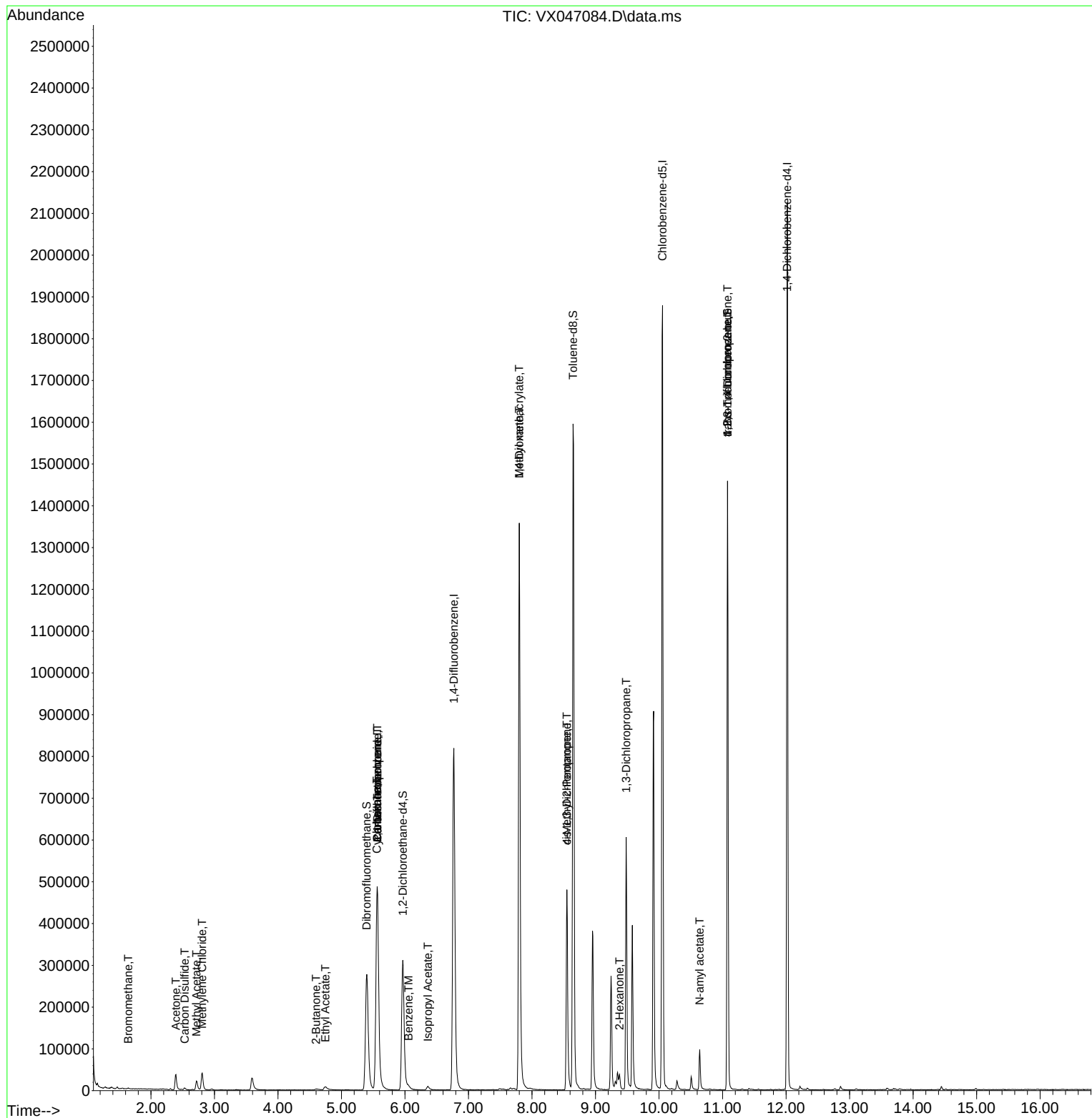
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	483627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	876222	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	825280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	406754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	325312	53.999	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.000%	
35) Dibromofluoromethane	5.397	113	264601	48.909	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.820%	
50) Toluene-d8	8.647	98	965774	55.123	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 110.240%	
62) 4-Bromofluorobenzene	11.079	95	388504	51.455	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.920%	
Target Compounds						Qvalue
5) Bromomethane	1.642	94	1096	0.295	ug/l	82
11) Tert butyl alcohol	2.965	59	465	Below Cal	#	72
16) Acetone	2.392	43	46487	19.262	ug/l	95
17) Carbon Disulfide	2.532	76	4863	0.277	ug/l	99
18) Methyl Acetate	2.715	43	32989	5.144	ug/l	96
20) Methylene Chloride	2.806	84	19820	2.985	ug/l	96
25) 2-Butanone	4.599	43	2230	0.635	ug/l	92
31) Cyclohexane	5.556	56	11209	0.995	ug/l	# 1
36) 1,1-Dichloropropene	5.562	75	41147	4.462	ug/l	# 50
37) Ethyl Acetate	4.745	43	19310	2.272	ug/l	# 81
38) Carbon Tetrachloride	5.562	117	53417	5.427	ug/l	# 16
40) Benzene	6.056	78	8094	0.303	ug/l	97
43) Isopropyl Acetate	6.361	43	13813	1.043	ug/l	# 93
48) Methyl methacrylate	7.799	41	126562	17.537	ug/l	# 47
49) 1,4-Dioxane	7.799	88	80	0.975	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	172298	21.881	ug/l	# 49
54) cis-1,3-Dichloropropene	8.549	75	78236	7.587	ug/l	# 63
57) 1,3-Dichloropropane	9.482	76	5558	0.520	ug/l	# 43
59) 2-Hexanone	9.378	43	22380	4.302	ug/l	# 25
74) N-amyl acetate	10.640	43	25205	1.947	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	204931	27.220	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	204931	70.128	ug/l	# 8

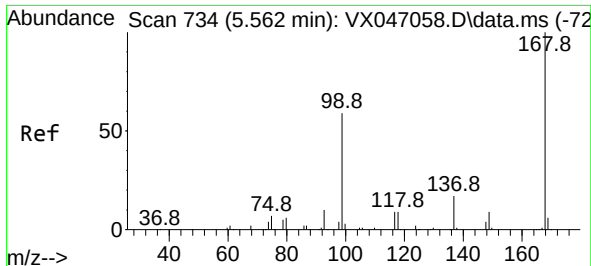
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
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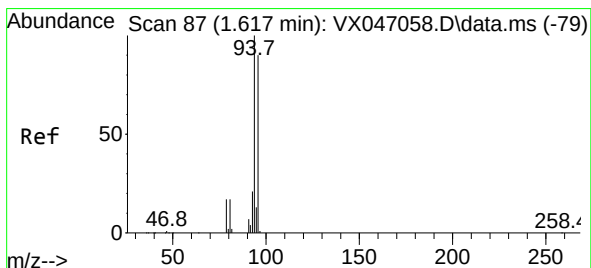
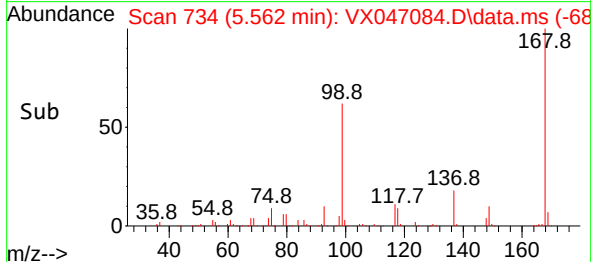
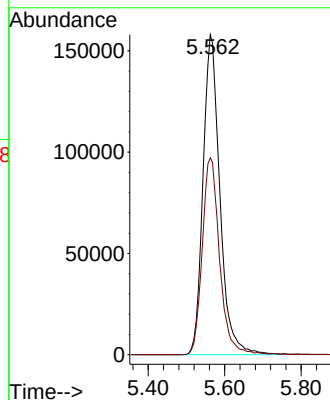
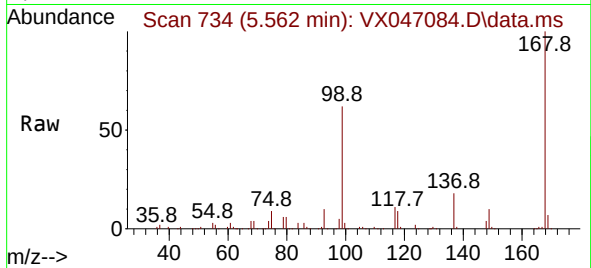




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

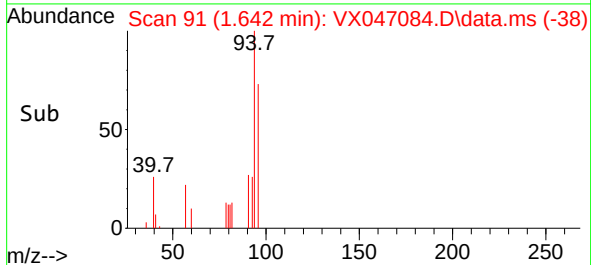
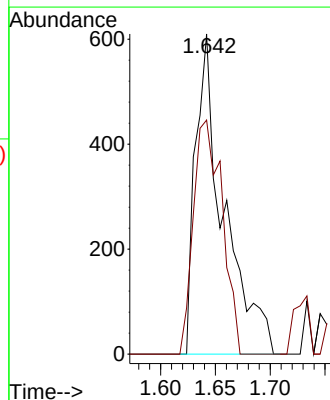
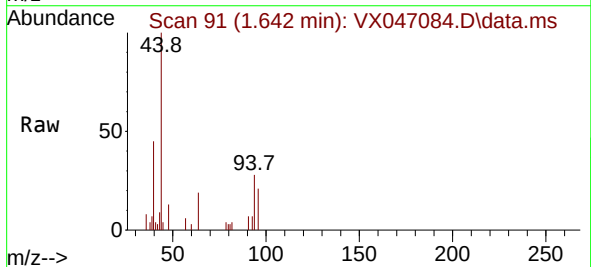
Instrument :
MSVOA_X
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TP-3

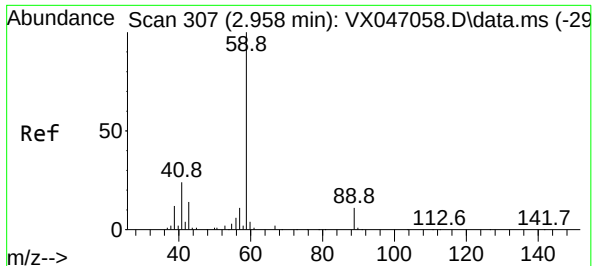
Tgt Ion:168 Resp: 483627
Ion Ratio Lower Upper
168 100
99 61.6 48.0 72.0



#5
Bromomethane
Concen: 0.295 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 94 Resp: 1096
Ion Ratio Lower Upper
94 100
96 73.1 72.3 108.5

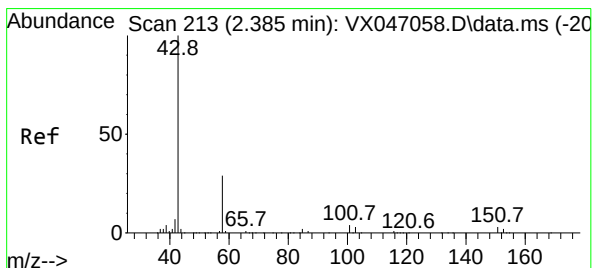
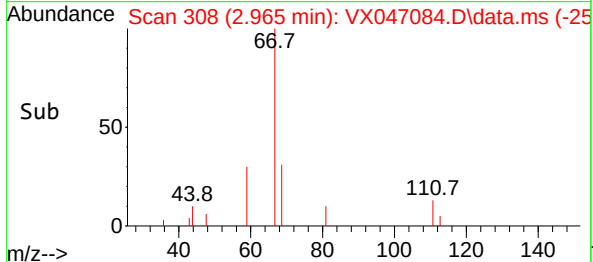
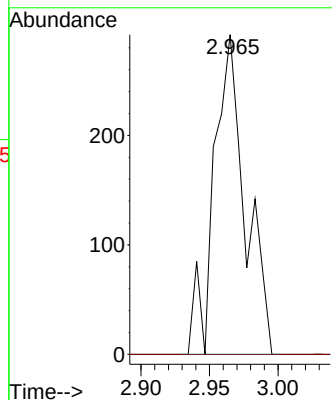
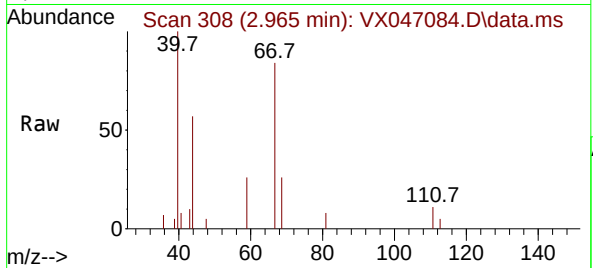




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 30
Delta R.T. 0.007 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

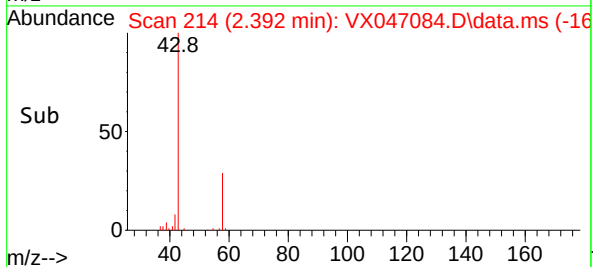
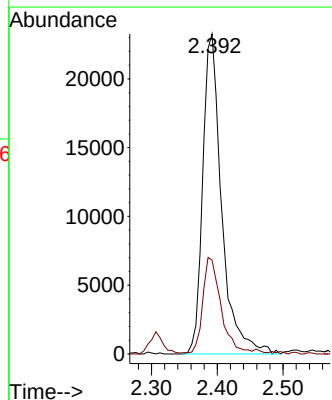
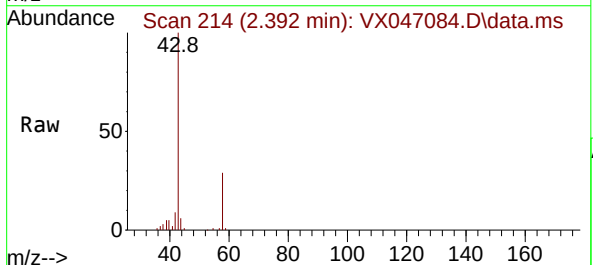
Instrument :
MSVOA_X
ClientSampleId :
TP-3

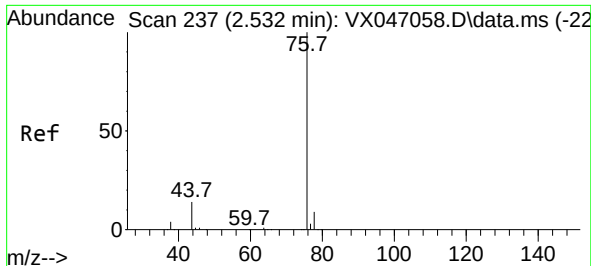
Tgt Ion: 59 Resp: 465
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 19.262 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 43 Resp: 46487
Ion Ratio Lower Upper
43 100
58 27.4 24.0 36.0

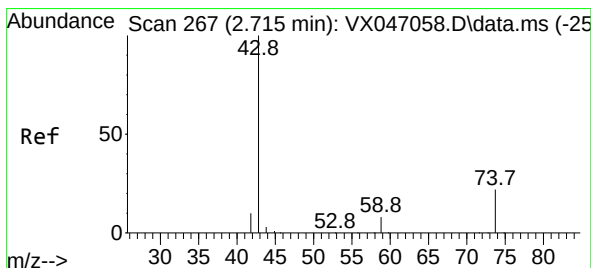
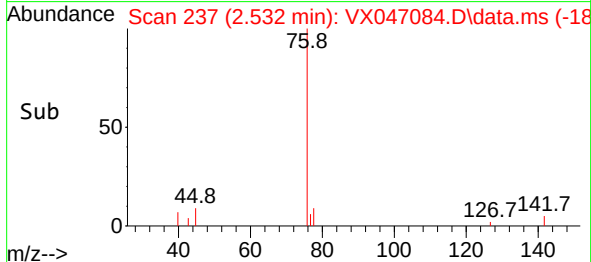
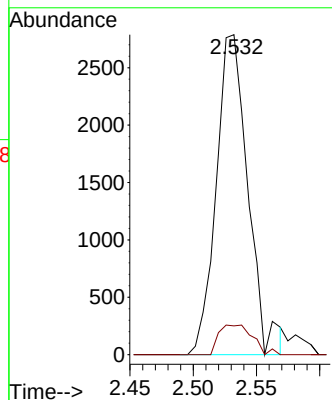
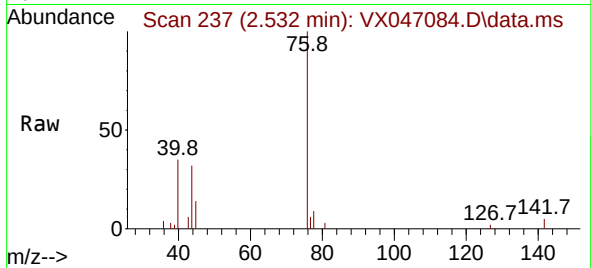




#17
Carbon Disulfide
Concen: 0.277 ug/l
RT: 2.532 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

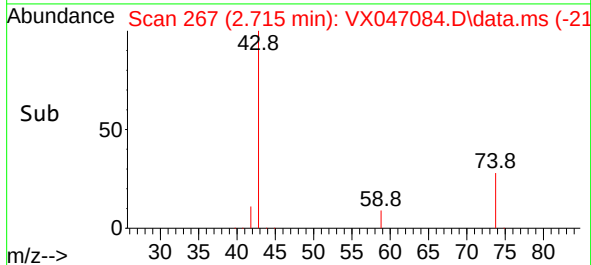
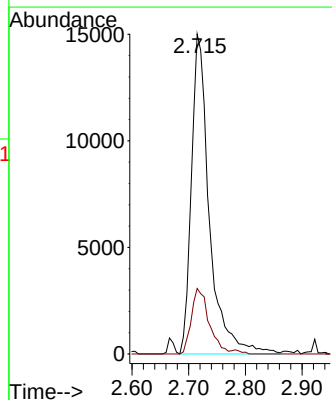
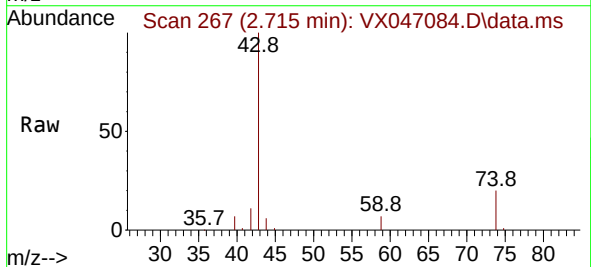
Instrument :
MSVOA_X
ClientSampleId :
TP-3

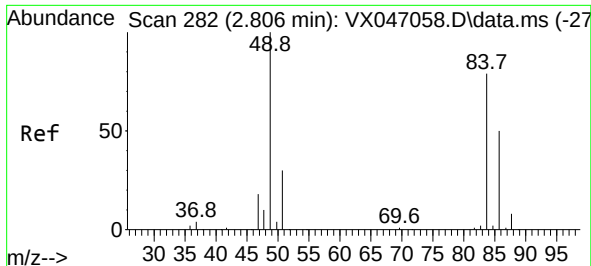
Tgt Ion: 76 Resp: 4863
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 5.144 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 43 Resp: 32989
Ion Ratio Lower Upper
43 100
74 20.3 17.7 26.5

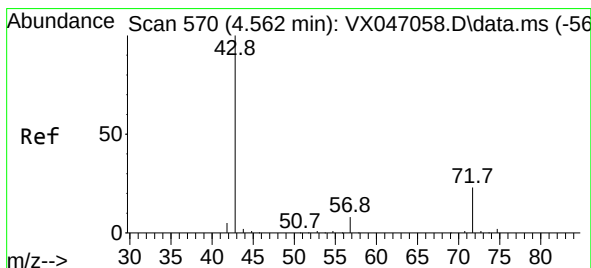
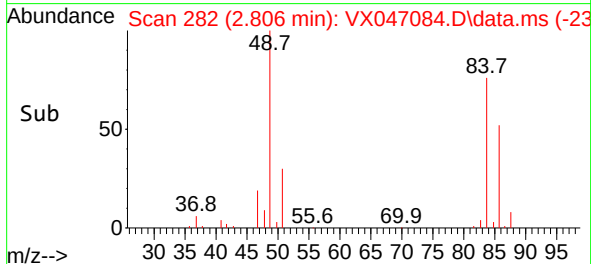
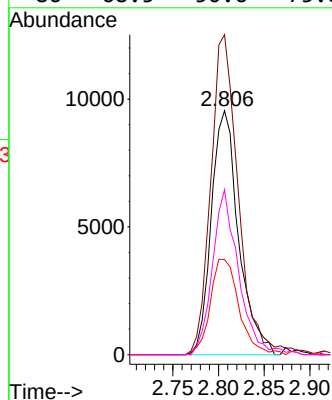
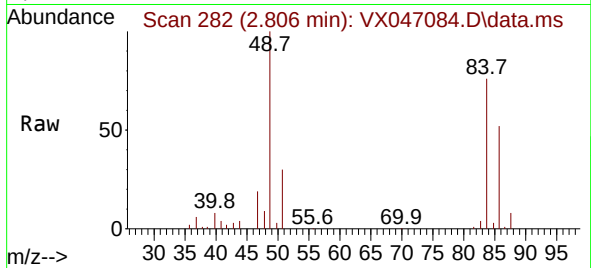




#20
Methylene Chloride
Concen: 2.985 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

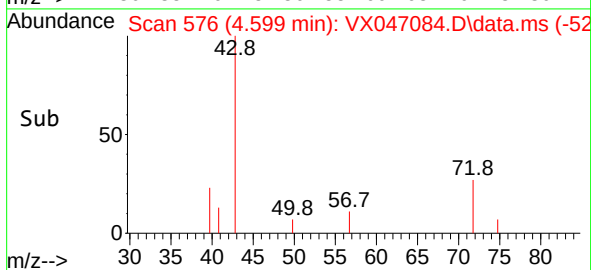
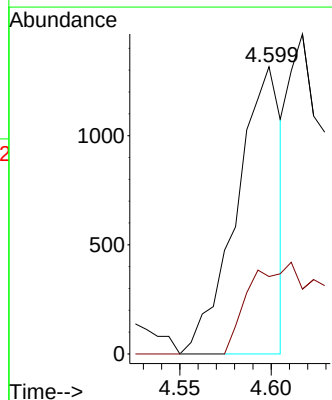
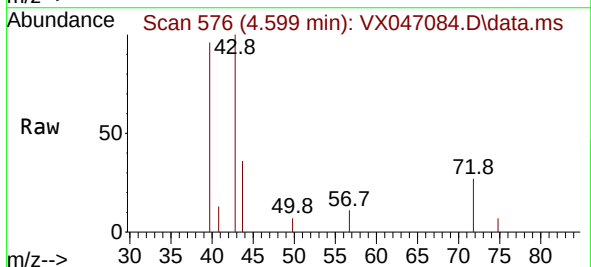
Instrument :
MSVOA_X
ClientSampleId :
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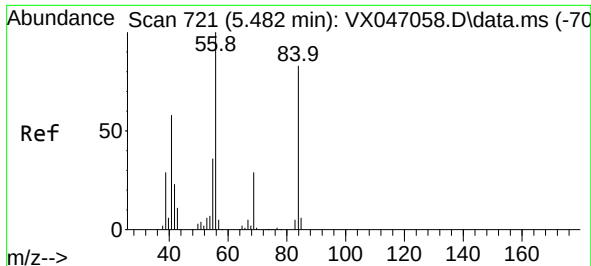
Tgt Ion:	84	Resp:	19820
Ion	Ratio	Lower	Upper
84	100		
49	131.2	101.6	152.4
51	39.0	30.3	45.5
86	68.5	50.6	75.8



#25
2-Butanone
Concen: 0.635 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.037 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion:	43	Resp:	2230
Ion	Ratio	Lower	Upper
43	100		
72	19.8	18.8	28.2

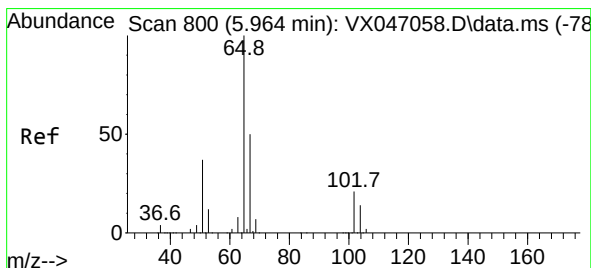
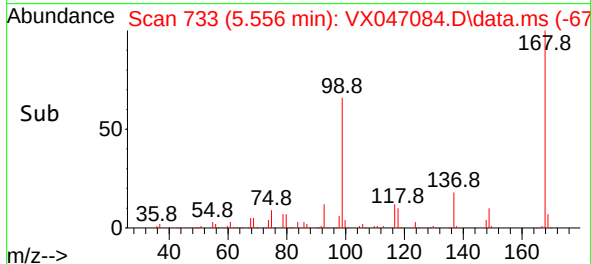
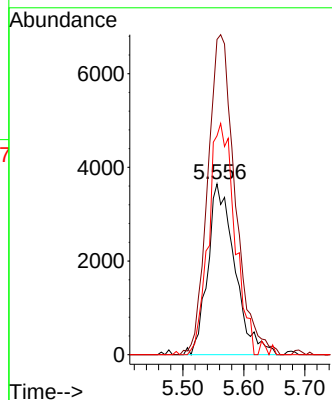
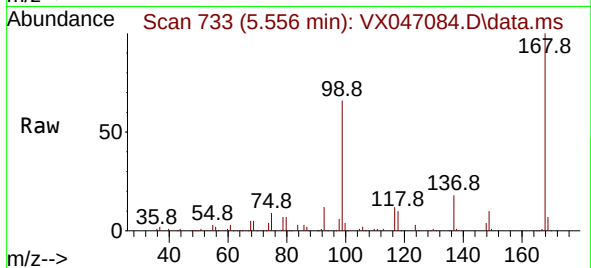




#31
Cyclohexane
Concen: 0.995 ug/l
RT: 5.556 min Scan# 712
Delta R.T. 0.074 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

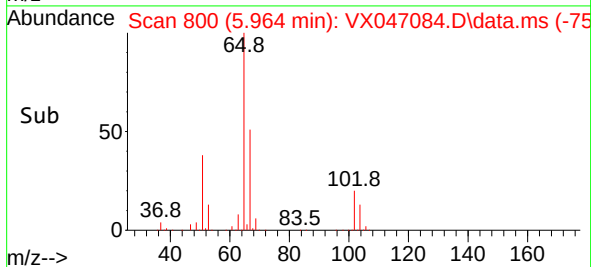
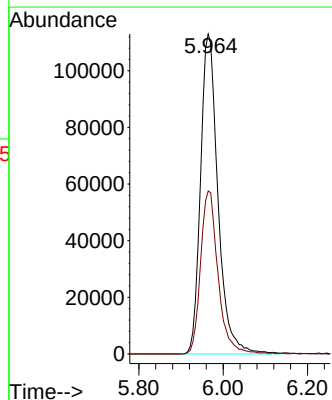
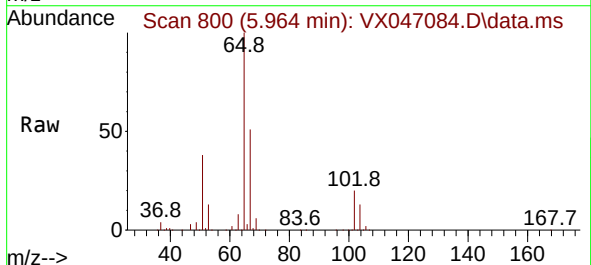
Instrument :
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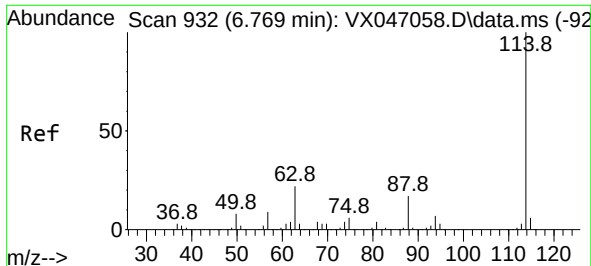
Tgt Ion: 56 Resp: 11209
Ion Ratio Lower Upper
56 100
69 184.5 23.3 34.9#
84 128.1 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 53.999 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 65 Resp: 325312
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8

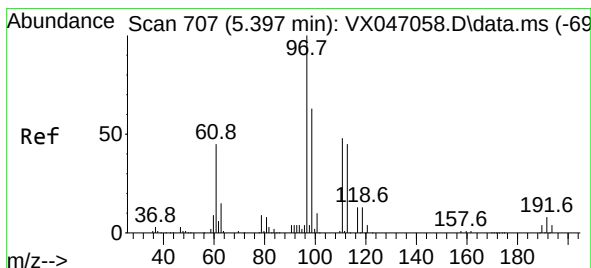
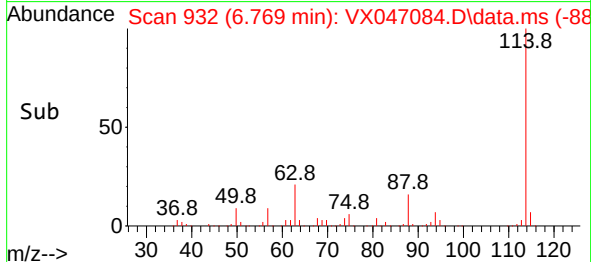
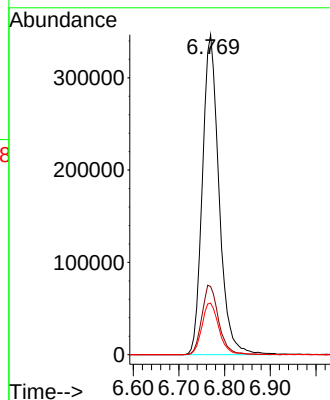
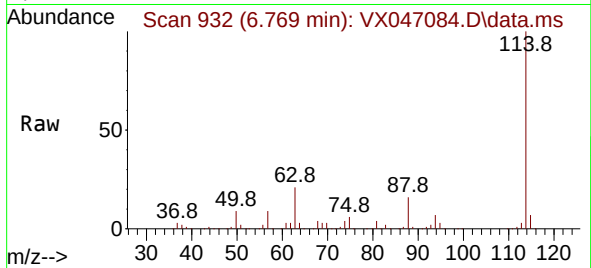




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

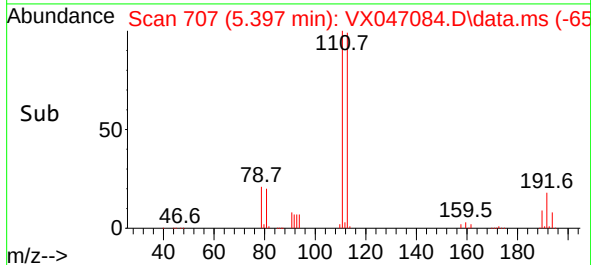
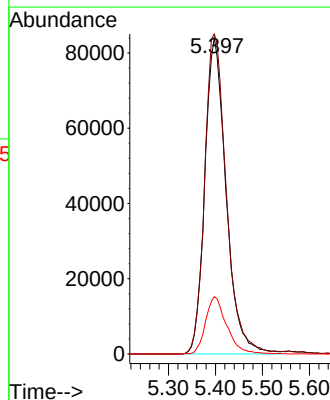
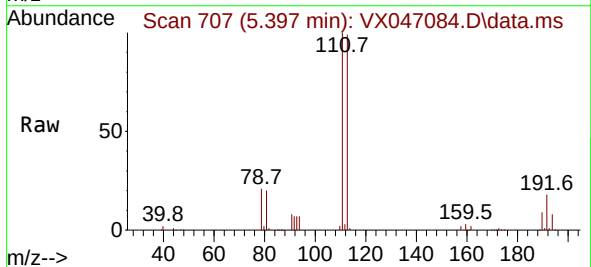
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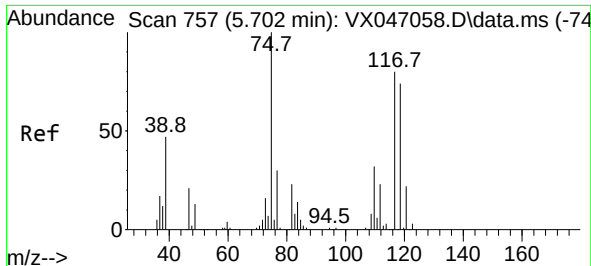
Tgt Ion:114 Resp: 876222
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 16.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 48.909 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion:113 Resp: 264601
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 18.0 14.9 22.3

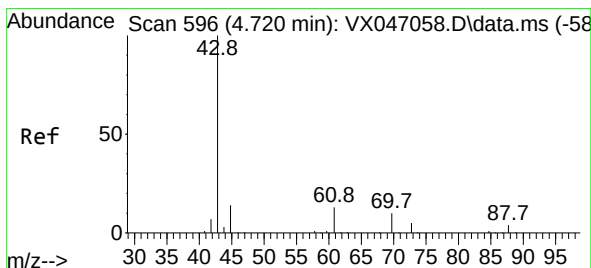
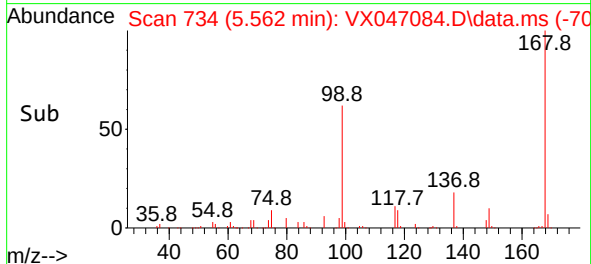
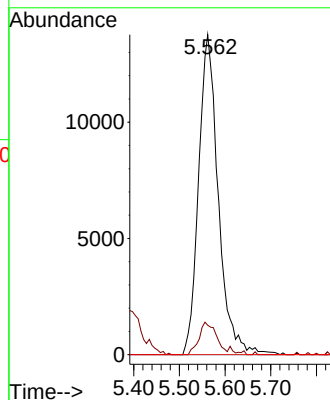
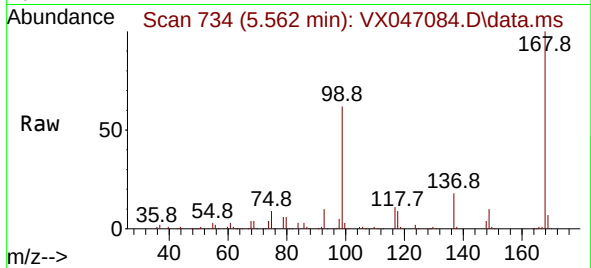




#36
1,1-Dichloropropene
Concen: 4.462 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

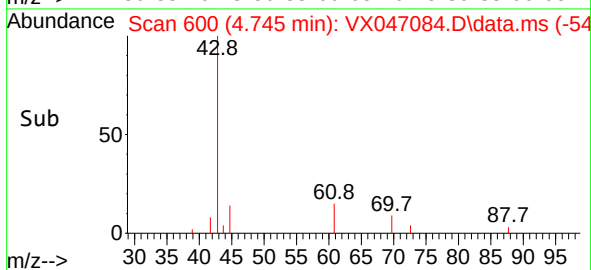
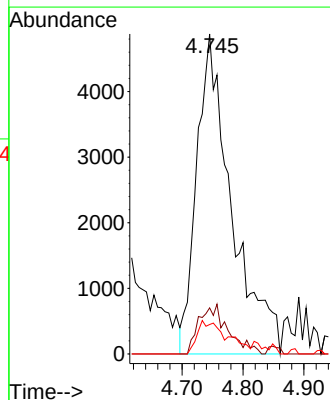
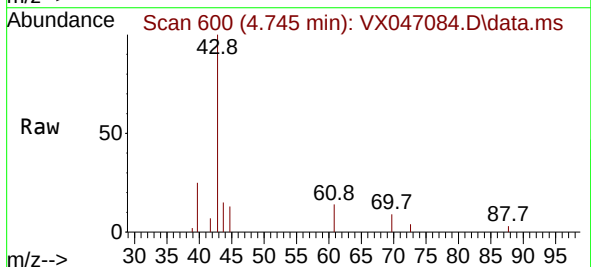
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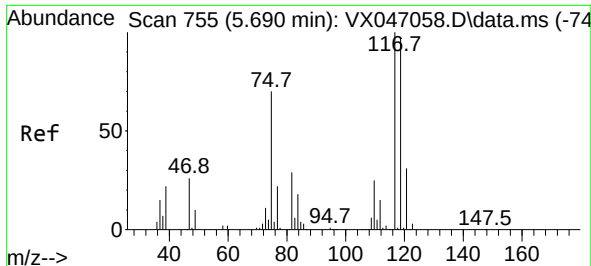
Tgt Ion: 75 Resp: 41147
Ion Ratio Lower Upper
75 100
110 8.9 17.2 51.5#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 2.272 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.025 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 43 Resp: 19310
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 9.0 8.1 12.1

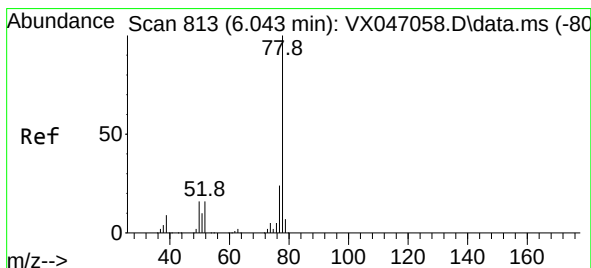
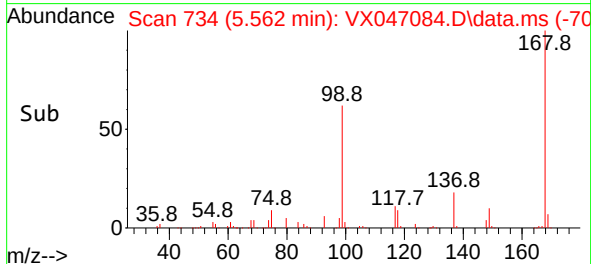
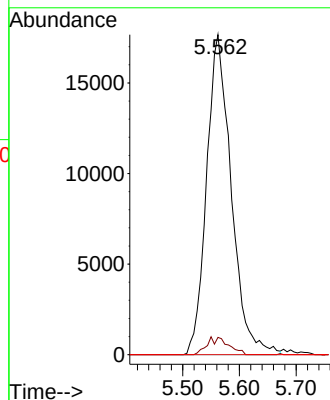
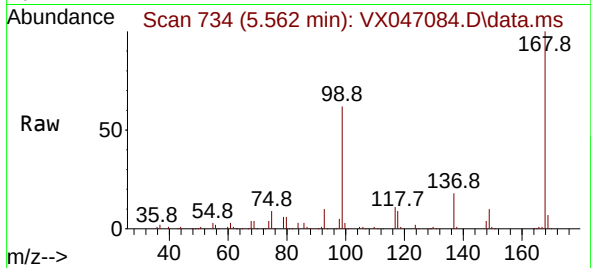




#38
Carbon Tetrachloride
Concen: 5.427 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

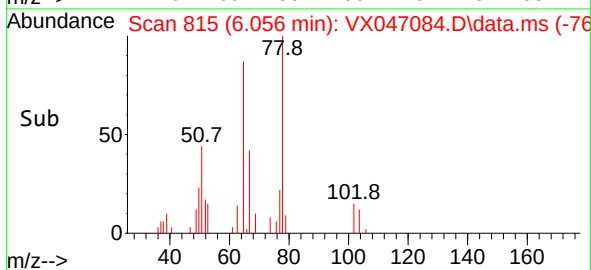
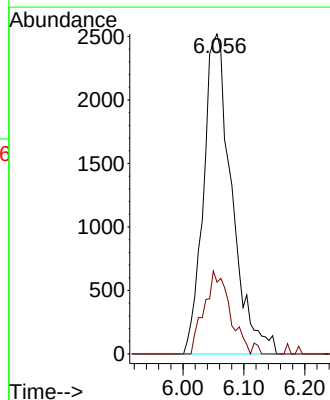
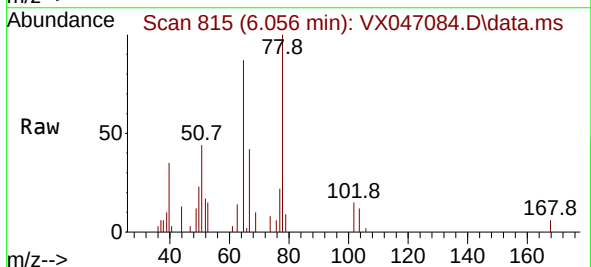
Instrument :
MSVOA_X
ClientSampleId :
TP-3

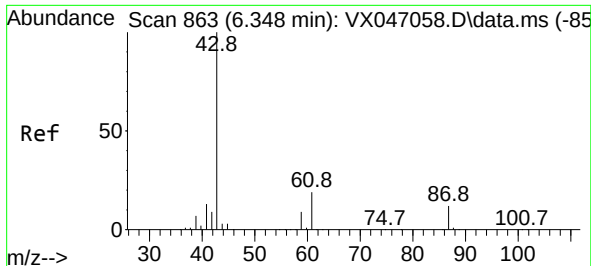
Tgt Ion:117 Resp: 53417
Ion Ratio Lower Upper
117 100
119 5.4 76.6 115.0#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.303 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.013 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 78 Resp: 8094
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.4





#43

Isopropyl Acetate

Concen: 1.043 ug/l

RT: 6.361 min Scan# 81

Delta R.T. 0.013 min

Lab File: VX047084.D

Acq: 23 Jul 2025 12:43

Instrument :

MSVOA_X

ClientSampleId :

TP-3

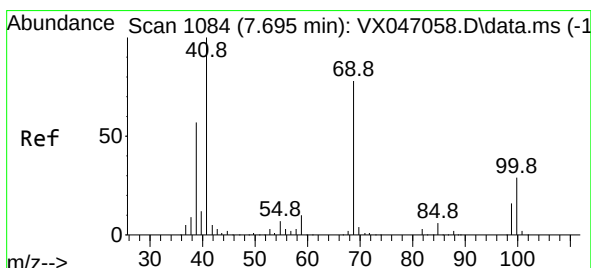
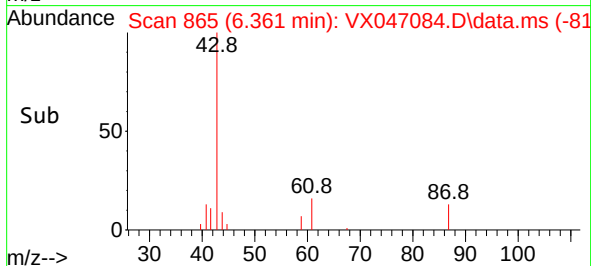
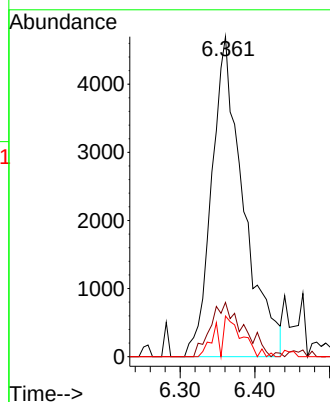
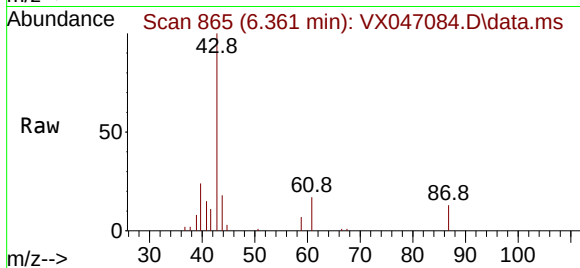
Tgt Ion: 43 Resp: 13813

Ion Ratio Lower Upper

43 100

61 17.3 15.1 22.7

87 7.2 9.7 14.5#



#48

Methyl methacrylate

Concen: 17.537 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX047084.D

Acq: 23 Jul 2025 12:43

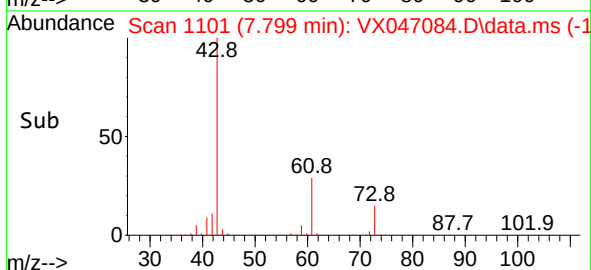
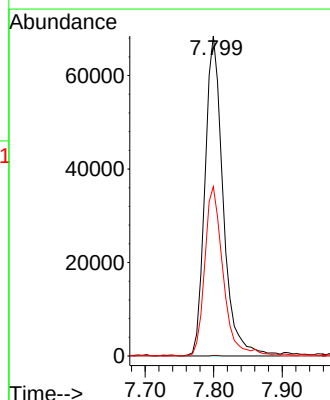
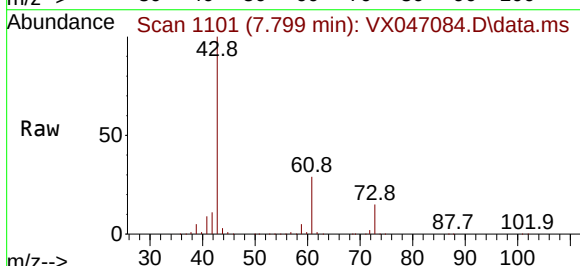
Tgt Ion: 41 Resp: 126562

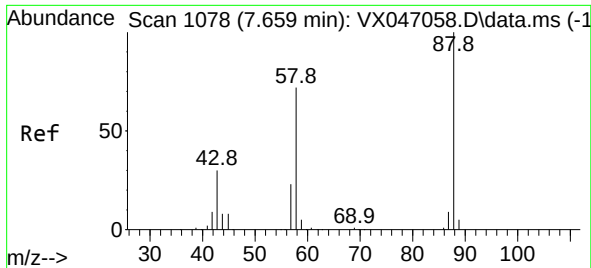
Ion Ratio Lower Upper

41 100

69 0.1 62.3 93.5#

39 53.9 44.8 67.2

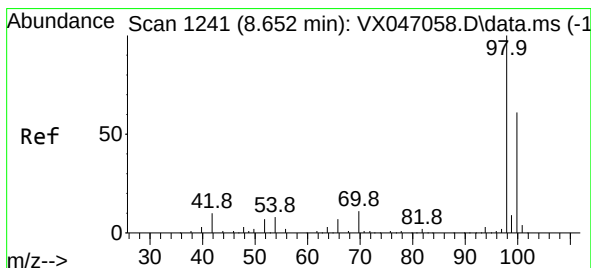
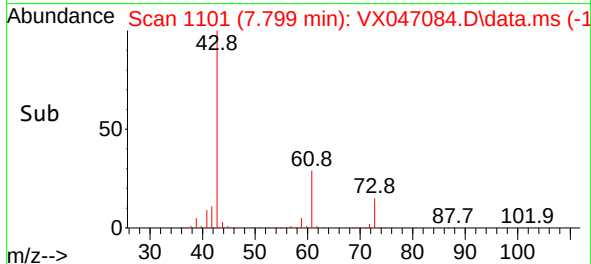
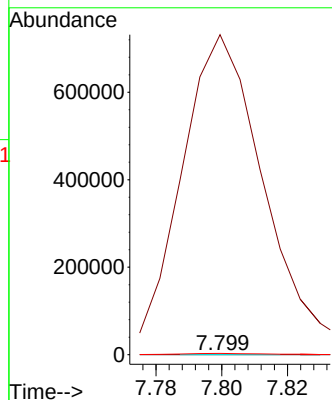
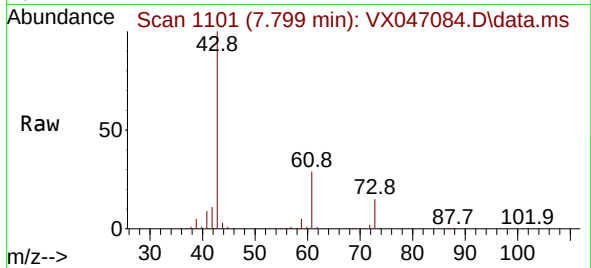




#49
1,4-Dioxane
Concen: 0.975 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.141 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

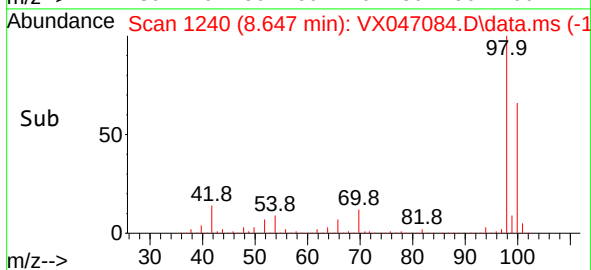
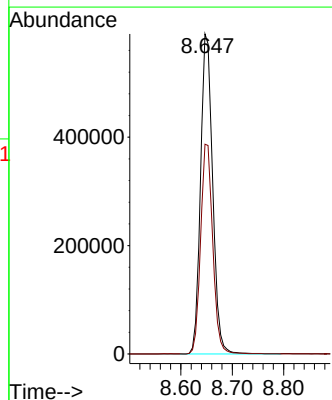
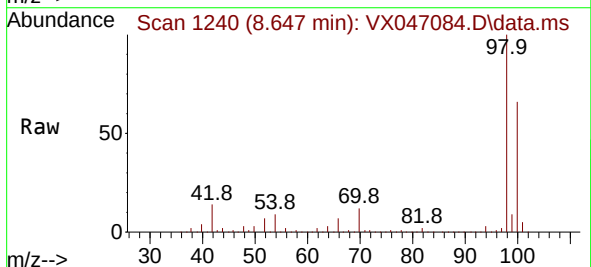
Instrument :
MSVOA_X
ClientSampleId :
TP-3

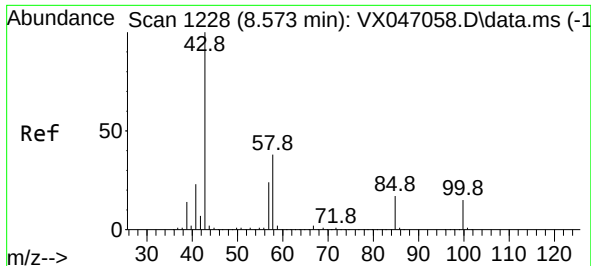
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 1670351.3 33.6 50.4#
58 6981.3 58.8 88.2#



#50
Toluene-d8
Concen: 55.123 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 98 Resp: 965774
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9

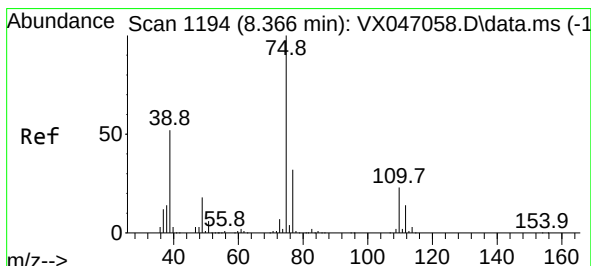
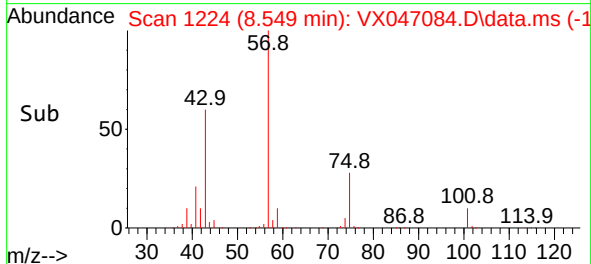
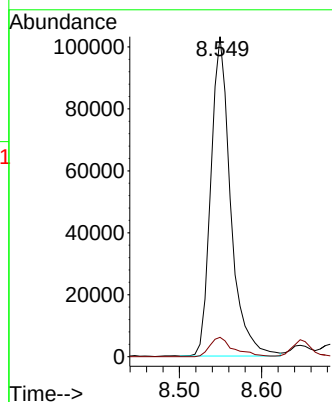
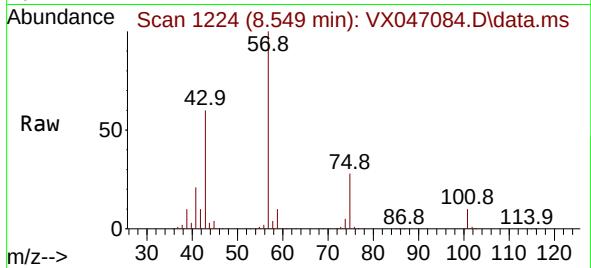




#51
4-Methyl-2-Pentanone
Concen: 21.881 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

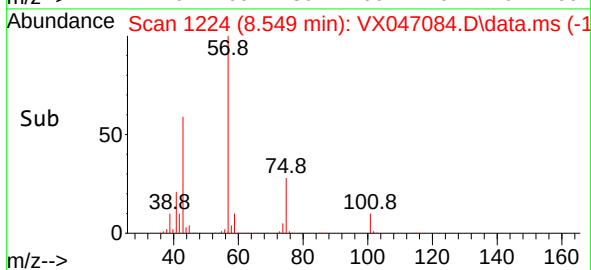
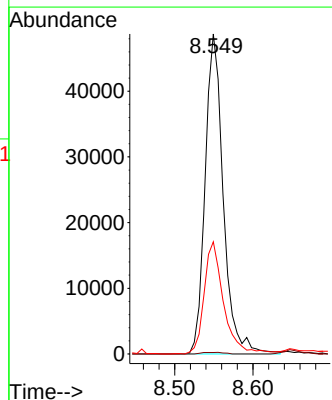
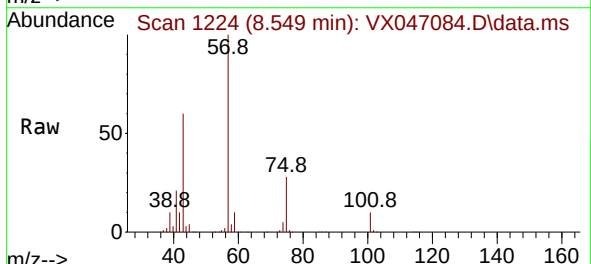
Instrument :
MSVOA_X
ClientSampleId :
TP-3

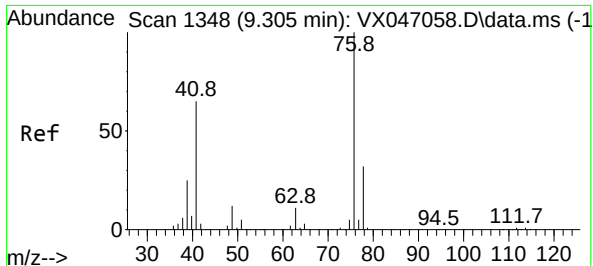
Tgt Ion: 43 Resp: 172298
Ion Ratio Lower Upper
43 100
58 7.2 30.6 45.8#



#54
cis-1,3-Dichloropropene
Concen: 7.587 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 75 Resp: 78236
Ion Ratio Lower Upper
75 100
77 0.4 25.4 38.0#
39 35.0 41.8 62.6#

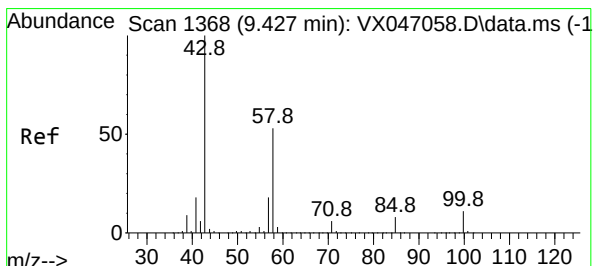
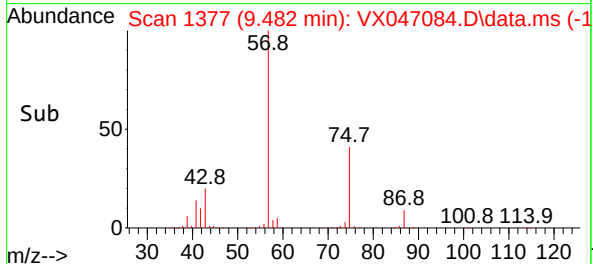
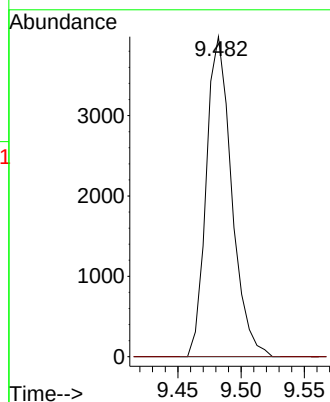
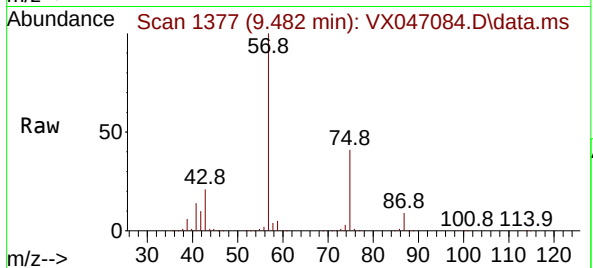




#57
1,3-Dichloropropane
Concen: 0.520 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

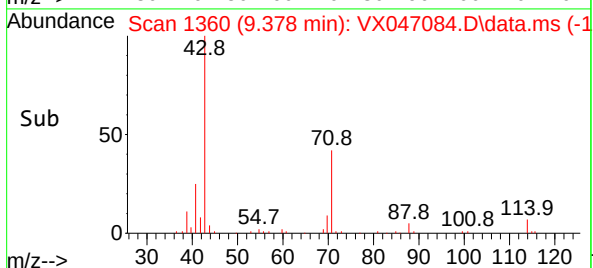
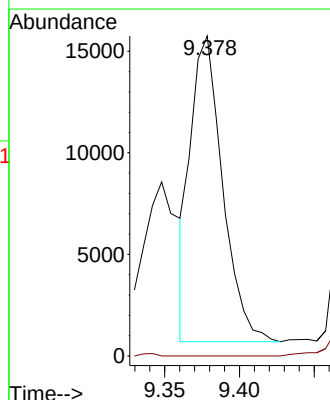
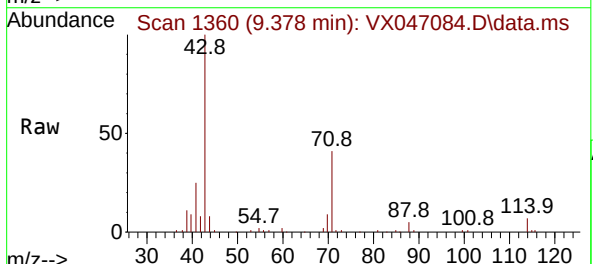
Instrument :
MSVOA_X
ClientSampleId :
TP-3

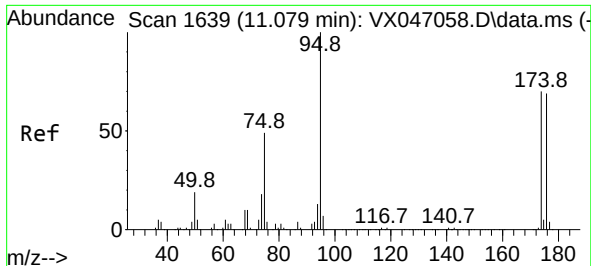
Tgt Ion: 76 Resp: 5558
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 4.302 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.048 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 43 Resp: 22380
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#

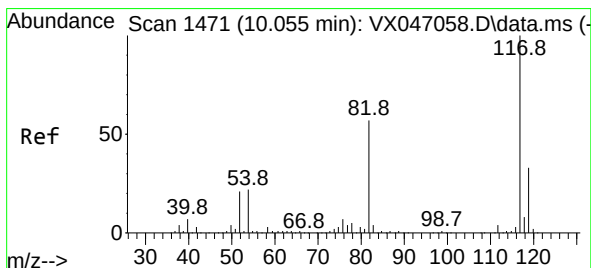
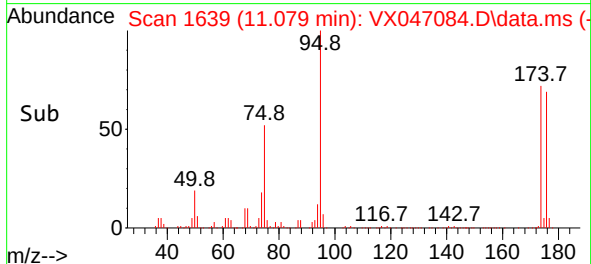
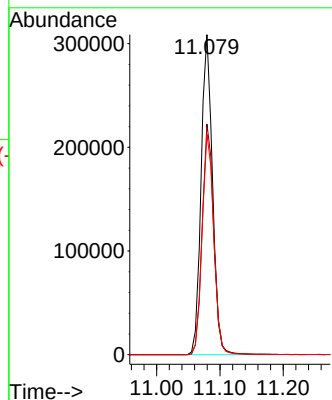
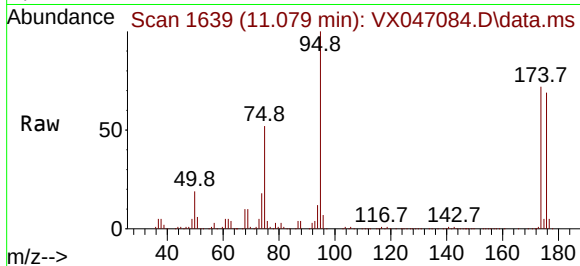




#62
4-Bromofluorobenzene
Concen: 51.455 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

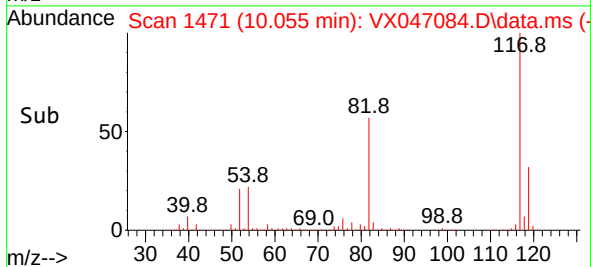
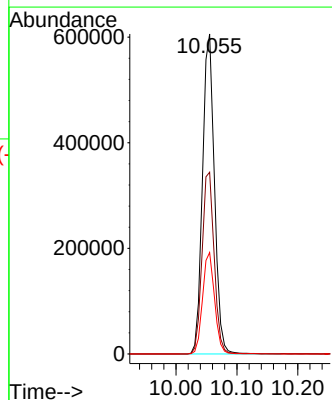
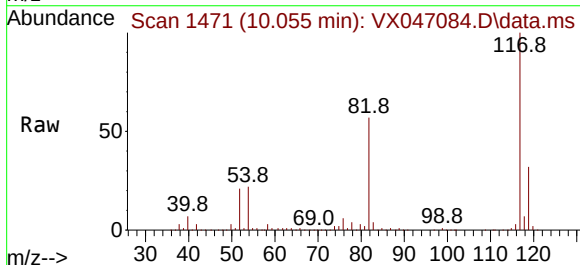
Instrument :
MSVOA_X
ClientSampleId :
TP-3

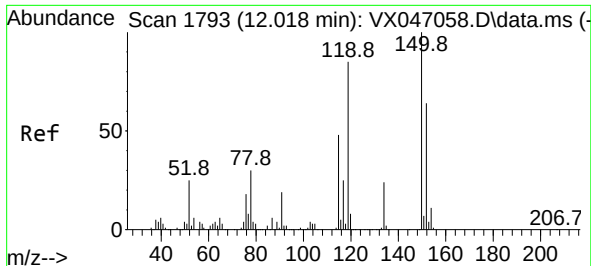
Tgt Ion: 95 Resp: 388504
Ion Ratio Lower Upper
95 100
174 72.7 0.0 144.6
176 70.2 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 117 Resp: 825280
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.2
119 31.7 26.1 39.1

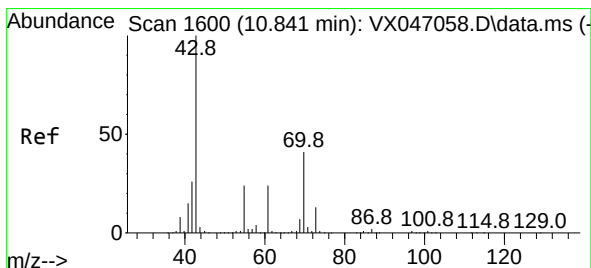
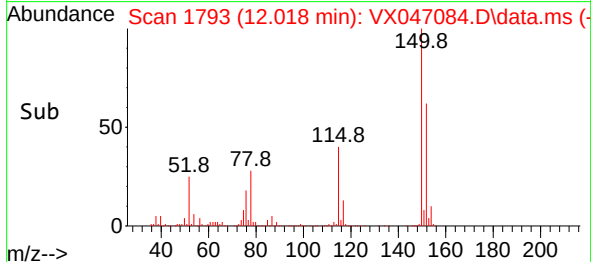
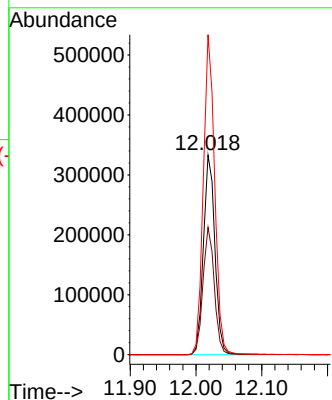
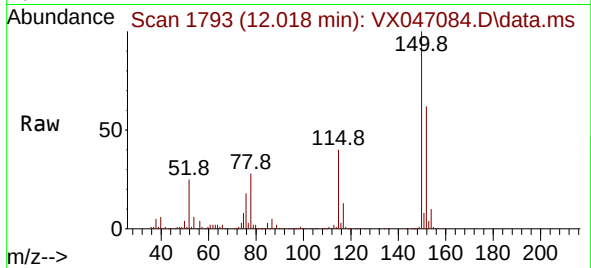




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

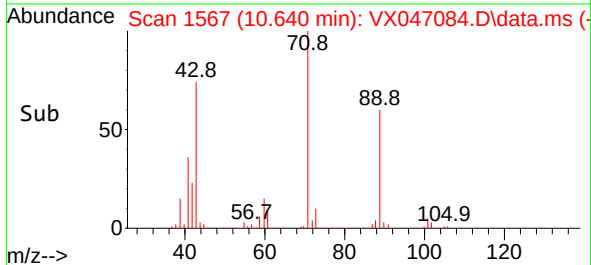
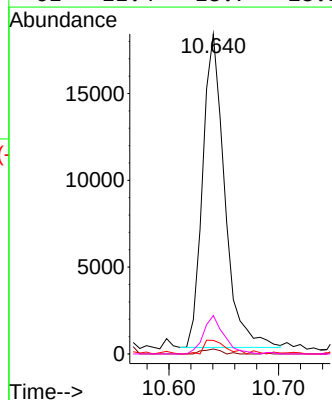
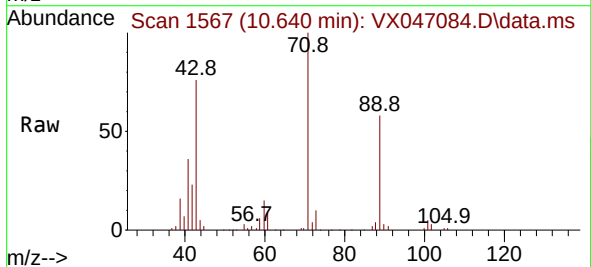
Instrument :
MSVOA_X
ClientSampleId :
TP-3

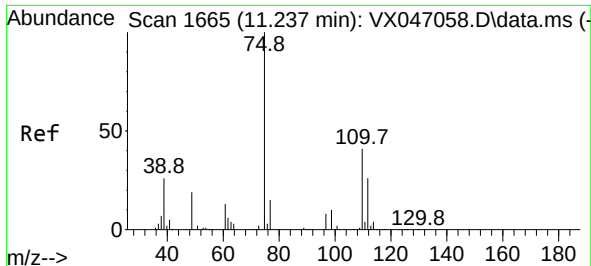
Tgt Ion:152 Resp: 406754
Ion Ratio Lower Upper
152 100
115 62.9 45.6 136.7
150 158.1 0.0 354.6



#74
N-ethyl acetate
Concen: 1.947 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 43 Resp: 25205
Ion Ratio Lower Upper
43 100
70 1.4 32.3 48.5#
55 4.3 18.9 28.3#
61 11.4 18.7 28.1#

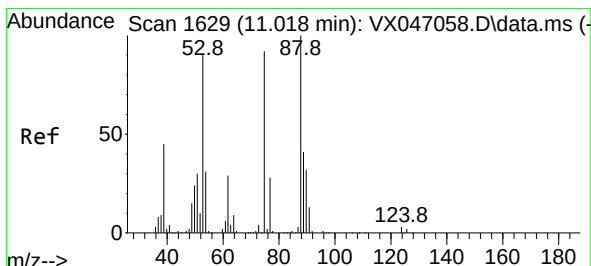
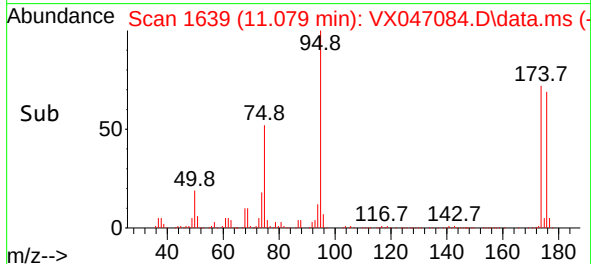
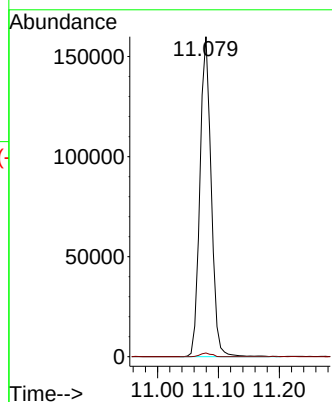
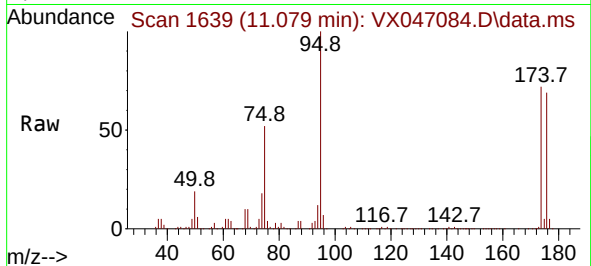




#76
1,2,3-Trichloropropane
Concen: 27.220 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 204931
Ion Ratio Lower Upper
75 100
77 1.1 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.128 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047084.D
Acq: 23 Jul 2025 12:43

Tgt Ion: 75 Resp: 204931
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

