

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045850.D
 Acq On : 18 Apr 2025 12:14
 Operator : JC/MD
 Sample : Q1825-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-11

Quant Time: Apr 18 23:36:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

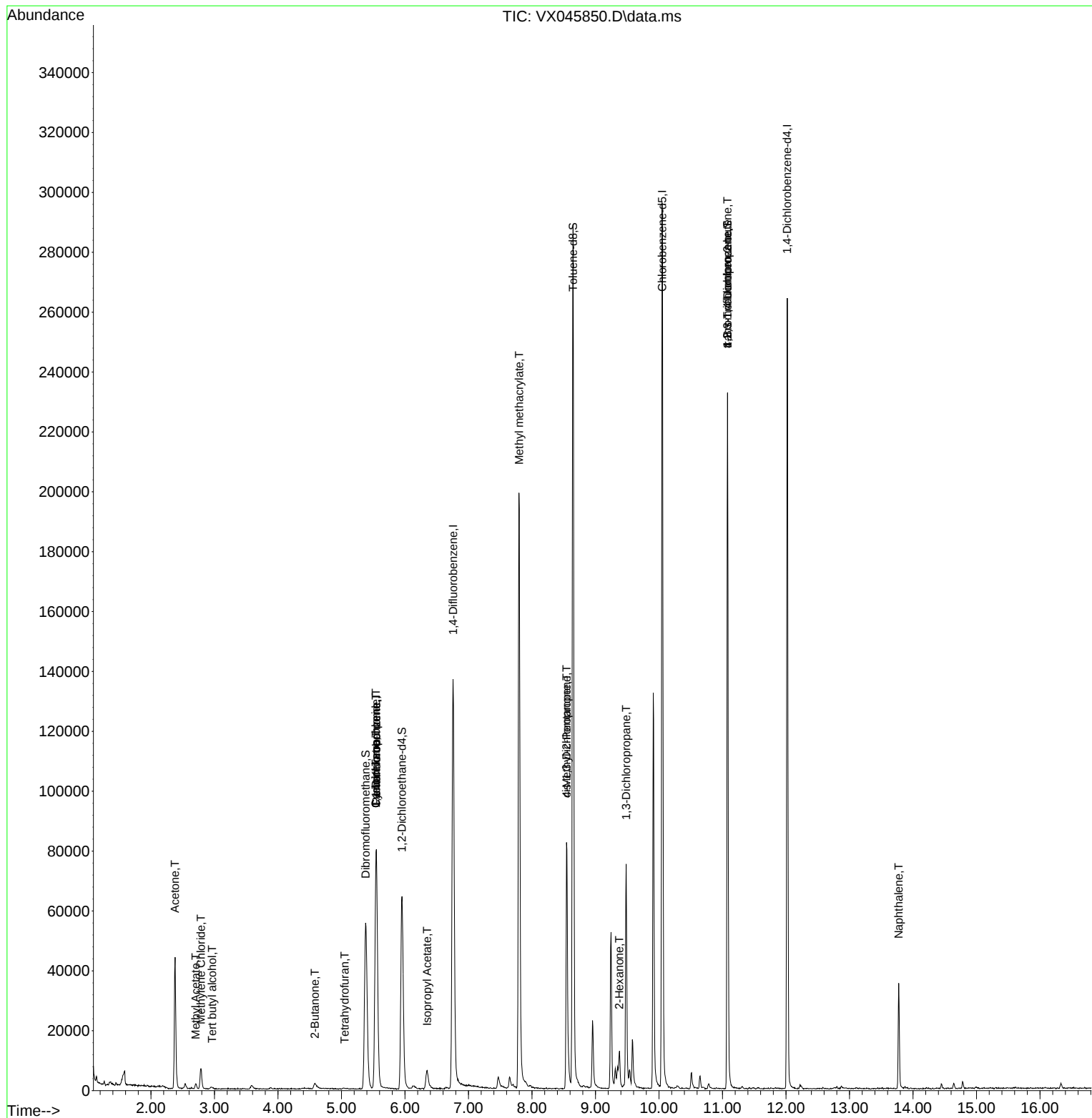
Internal Standards						
1) Pentafluorobenzene	5.550	168	68578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67058	53.470	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.940%	
35) Dibromofluoromethane	5.379	113	48176	50.709	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.420%	
50) Toluene-d8	8.647	98	167004	50.362	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	11.079	95	61383	50.819	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	676	4.011	ug/l #	72
16) Acetone	2.380	43	46234	89.779	ug/l	99
18) Methyl Acetate	2.703	43	2310	1.948	ug/l	96
20) Methylene Chloride	2.788	84	3245	3.366	ug/l	88
25) 2-Butanone	4.581	43	4712	6.251	ug/l	97
29) Tetrahydrofuran	5.050	42	382	0.782	ug/l #	35
31) Cyclohexane	5.544	56	2029	1.319	ug/l #	33
36) 1,1-Dichloropropene	5.544	75	6982	5.443	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8126	5.861	ug/l #	15
43) Isopropyl Acetate	6.348	43	9195	3.753	ug/l	99
48) Methyl methacrylate	7.799	41	21397	16.914	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	35089	21.604	ug/l #	49
54) cis-1,3-Dichloropropene	8.543	75	12405	8.809	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	707	0.430	ug/l #	42
59) 2-Hexanone	9.372	43	11808	9.817	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	35031	29.261	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35031	99.307	ug/l #	1
95) Naphthalene	13.774	128	22566	6.627	ug/l	98

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

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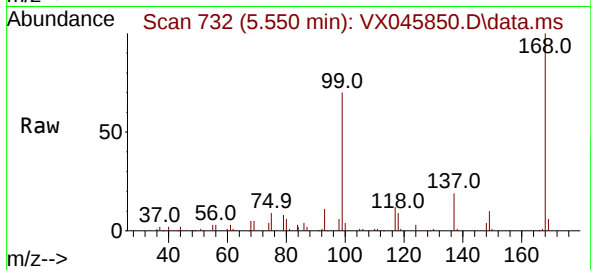
Quant Time: Apr 18 23:36:53 2025
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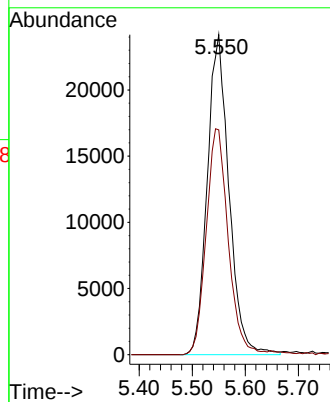
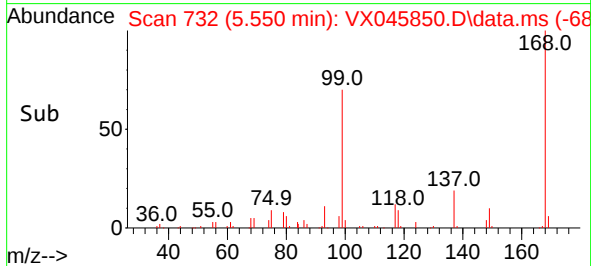


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

Instrument :
MSVOA_X
ClientSampleId :
TP-11

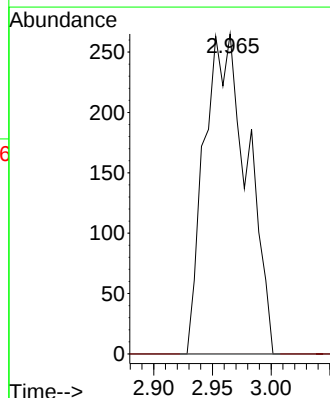
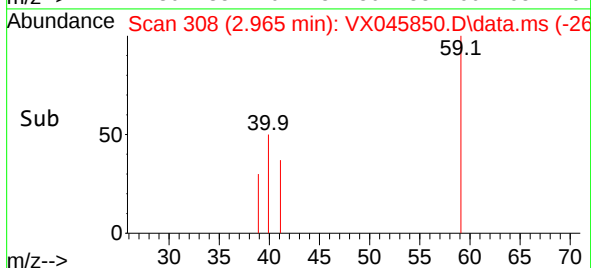
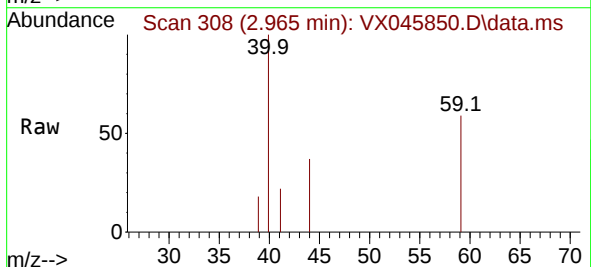


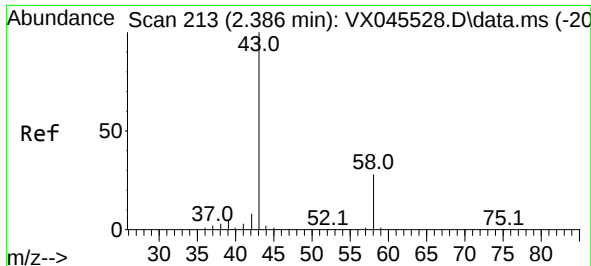
Tgt Ion:168 Resp: 68578
Ion Ratio Lower Upper
168 100
99 70.3 52.3 78.5



#11
Tert butyl alcohol
Concen: 4.011 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

Tgt Ion: 59 Resp: 676
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

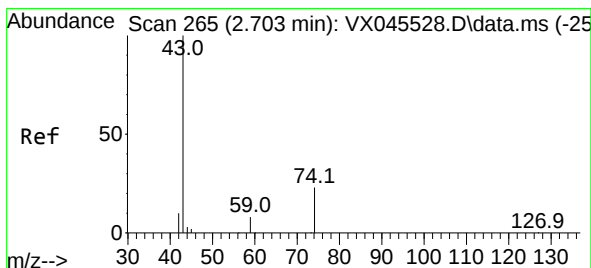
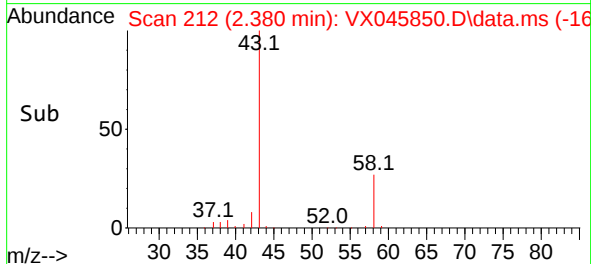
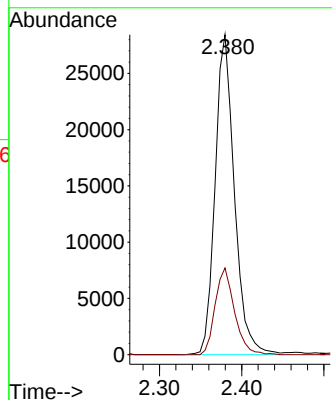
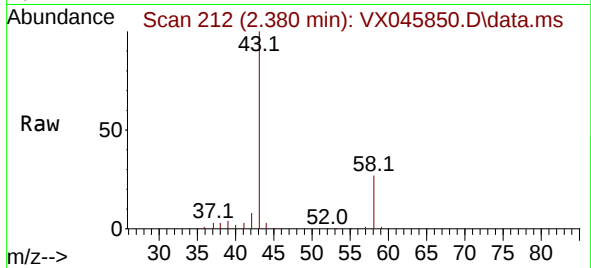




#16
Acetone
Concen: 89.779 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

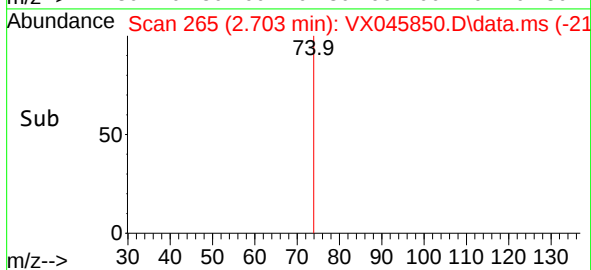
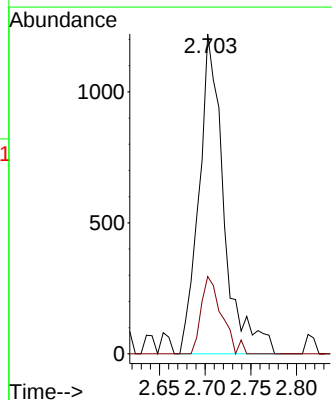
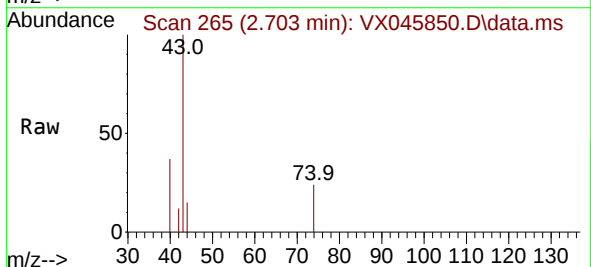
Instrument :
MSVOA_X
ClientSampleId :
TP-11

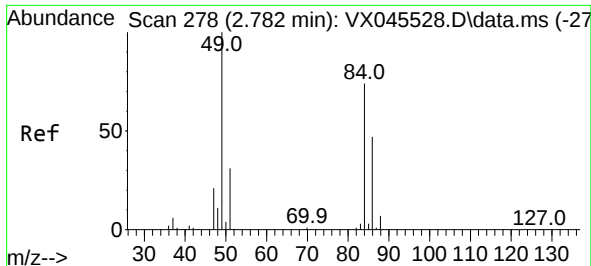
Tgt Ion: 43 Resp: 46234
Ion Ratio Lower Upper
43 100
58 27.1 22.3 33.5



#18
Methyl Acetate
Concen: 1.948 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
74 19.9 17.5 26.3

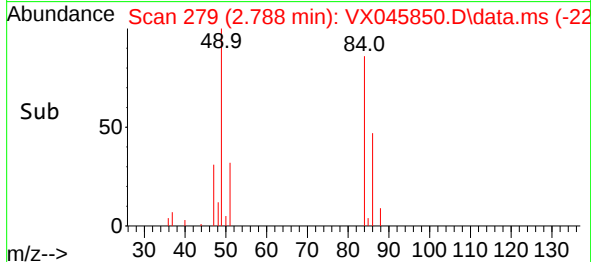
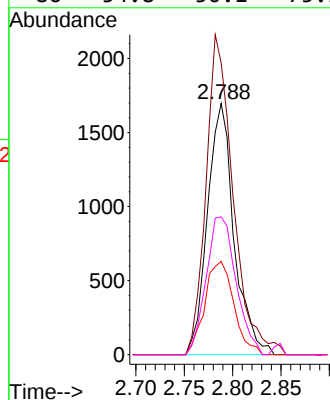
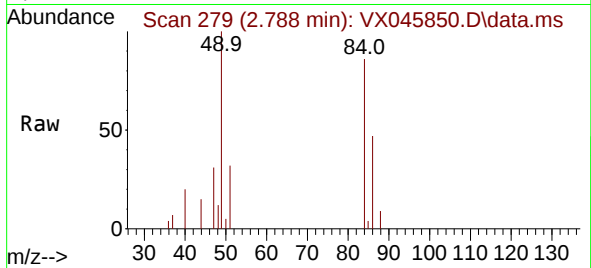




#20
Methylene Chloride
Concen: 3.366 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

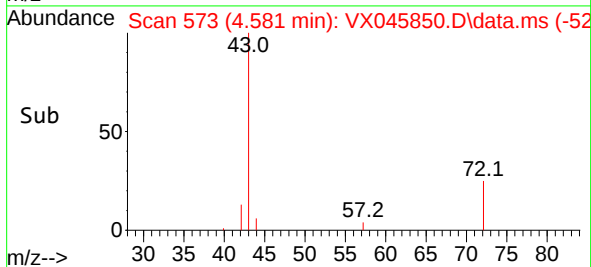
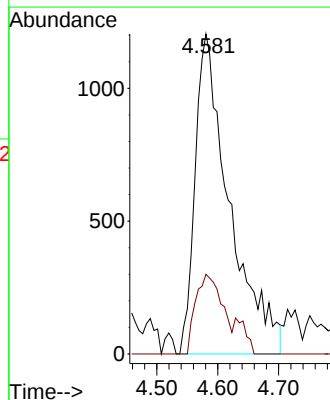
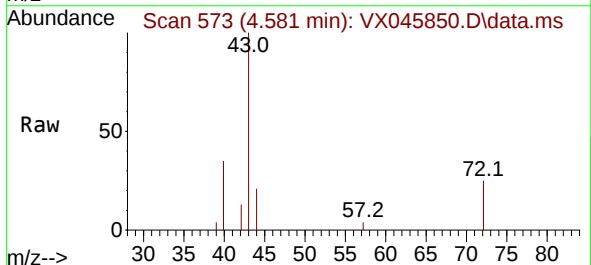
Instrument :
MSVOA_X
ClientSampleId :
TP-11

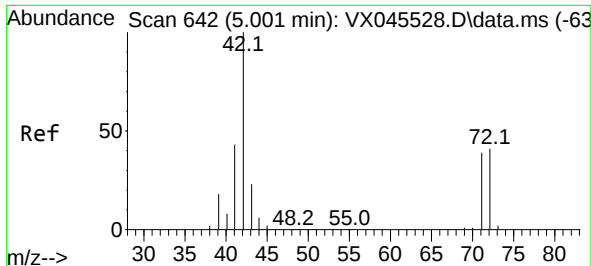
Tgt Ion: 84	Resp:	3245	
Ion	Ratio	Lower	Upper
84	100		
49	116.2	107.5	161.3
51	37.1	33.0	49.6
86	54.8	50.1	75.1



#25
2-Butanone
Concen: 6.251 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

Tgt Ion: 43	Resp: 4712
Ion Ratio	Lower Upper
43 100	
72 24.9	18.6 28.0





#29

Tetrahydrofuran

Concen: 0.782 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX045850.D

Acq: 18 Apr 2025 12:14

Instrument :

MSVOA_X

ClientSampleId :

TP-11

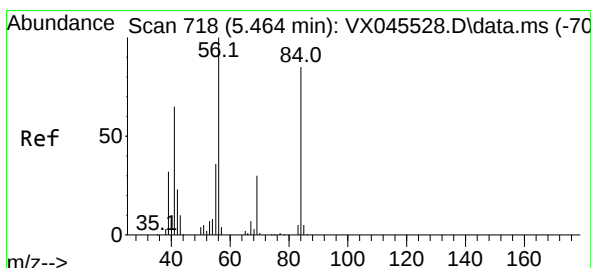
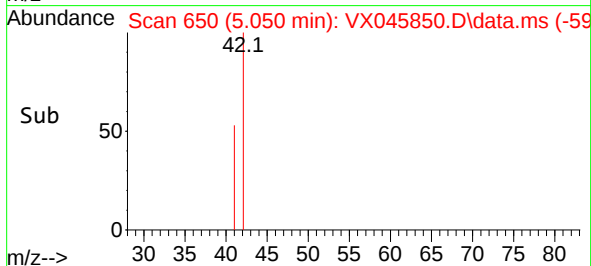
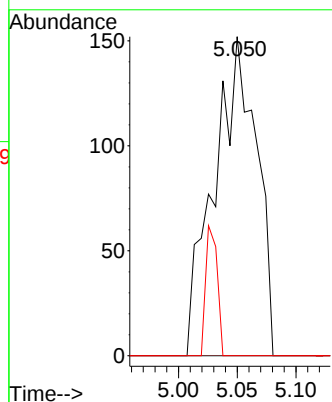
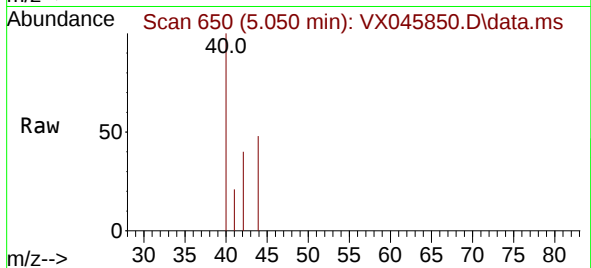
Tgt Ion: 42 Resp: 382

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.319 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045850.D

Acq: 18 Apr 2025 12:14

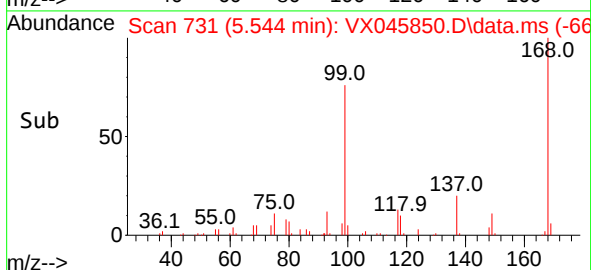
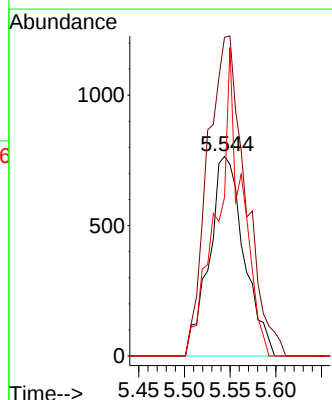
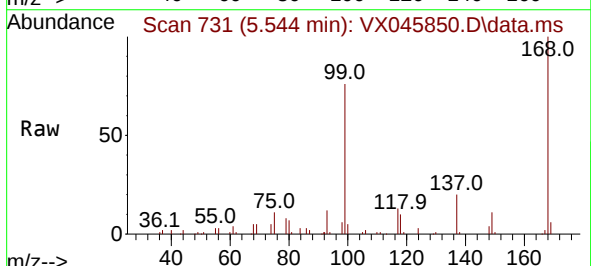
Tgt Ion: 56 Resp: 2029

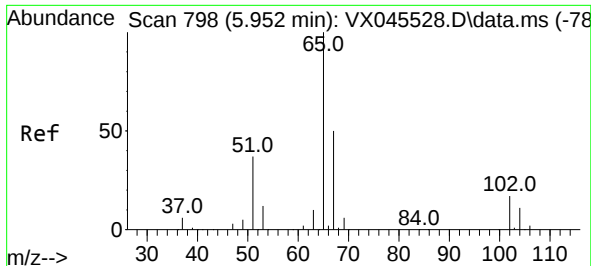
Ion Ratio Lower Upper

56 100

69 159.7 23.6 35.4#

84 79.5 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 53.470 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045850.D

Acq: 18 Apr 2025 12:14

Instrument :

MSVOA_X

ClientSampleId :

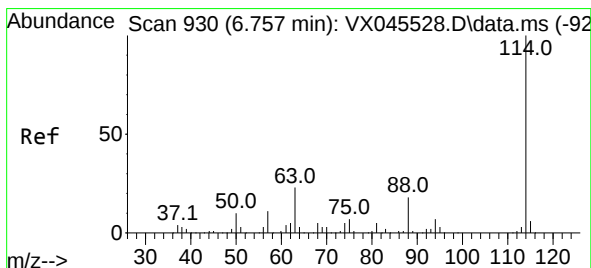
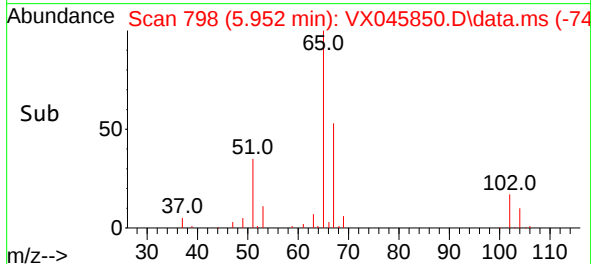
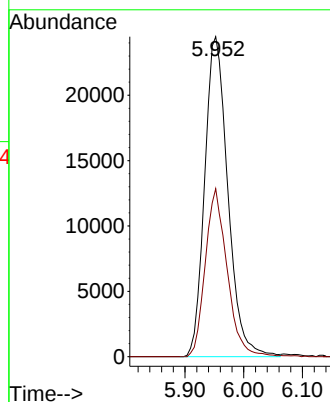
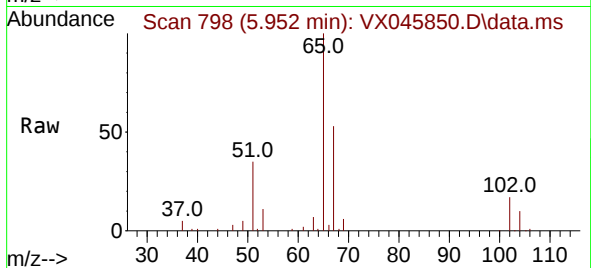
TP-11

Tgt Ion: 65 Resp: 67058

Ion Ratio Lower Upper

65 100

67 49.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045850.D

Acq: 18 Apr 2025 12:14

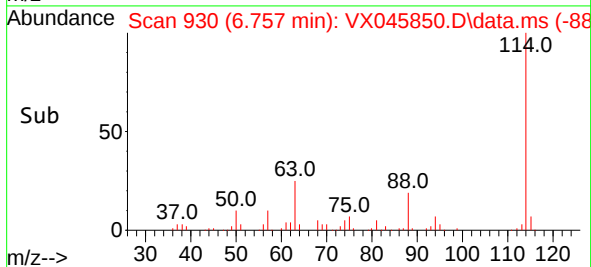
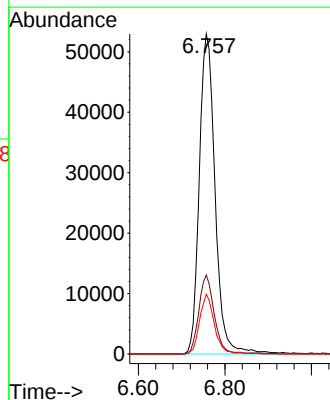
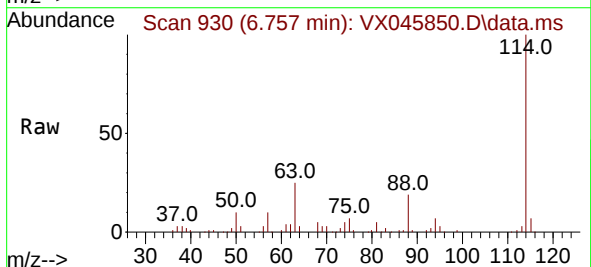
Tgt Ion: 114 Resp: 133904

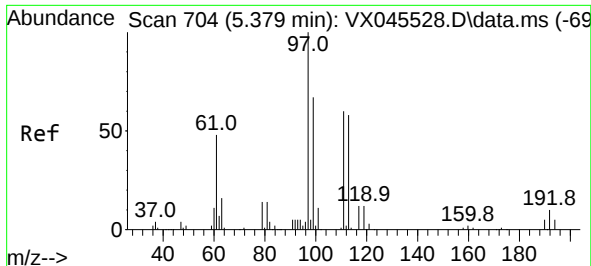
Ion Ratio Lower Upper

114 100

63 24.7 0.0 46.8

88 18.7 0.0 35.4

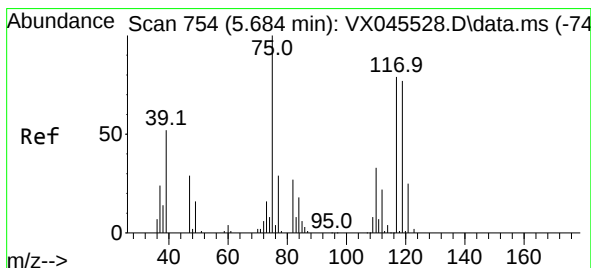
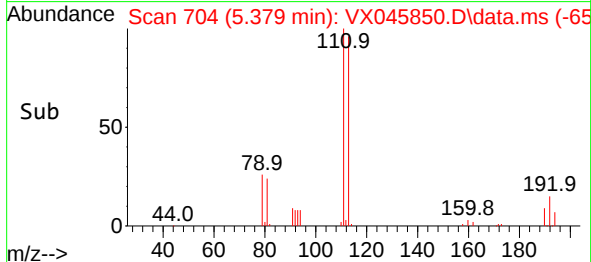
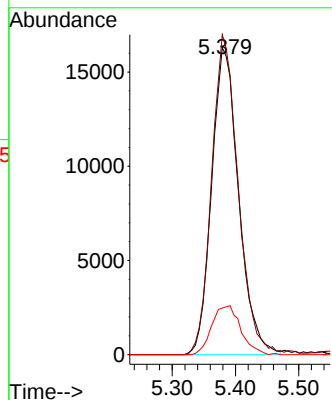
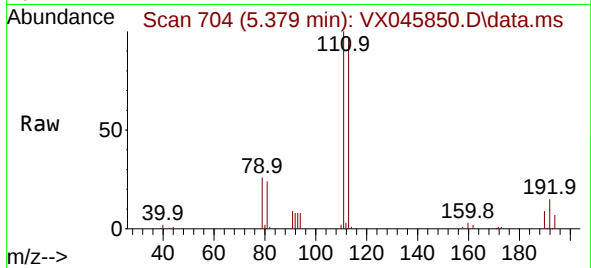




#35
Dibromofluoromethane
Concen: 50.709 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

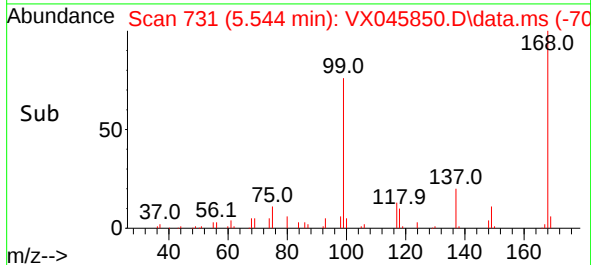
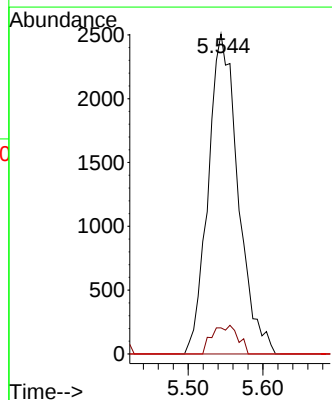
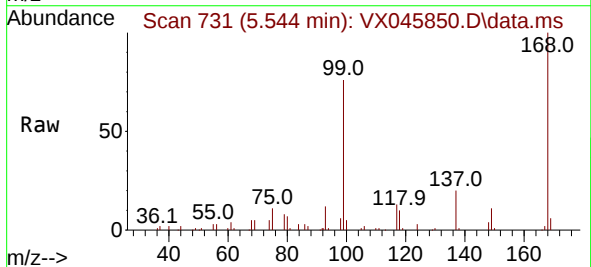
Instrument :
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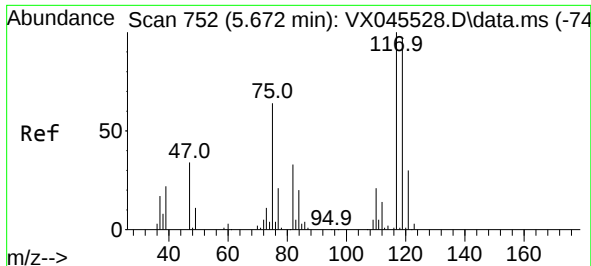
Tgt Ion:113 Resp: 48176
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 17.0 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.443 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

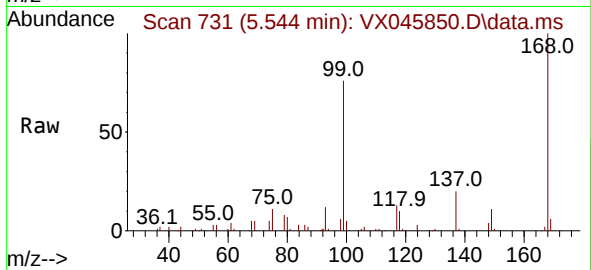
Tgt Ion: 75 Resp: 6982
Ion Ratio Lower Upper
75 100
110 7.7 16.9 50.6#
77 0.0 25.0 37.4#



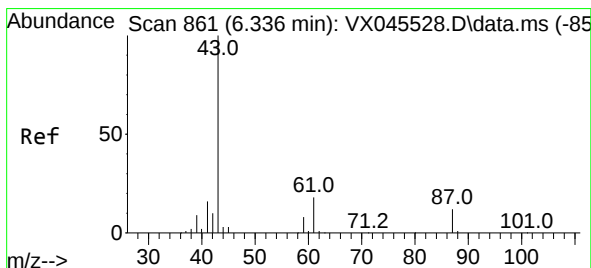
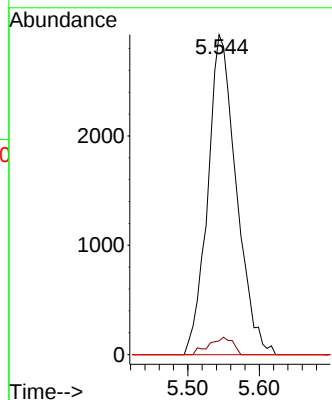
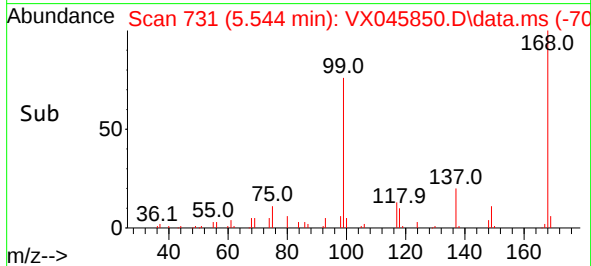


#38
Carbon Tetrachloride
Concen: 5.861 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

Instrument :
MSVOA_X
ClientSampleId :
TP-11

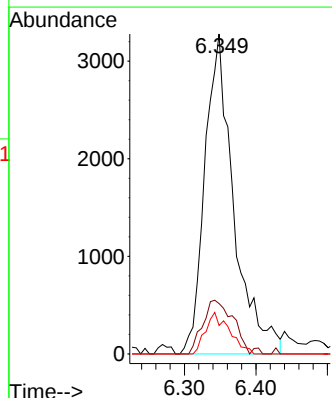
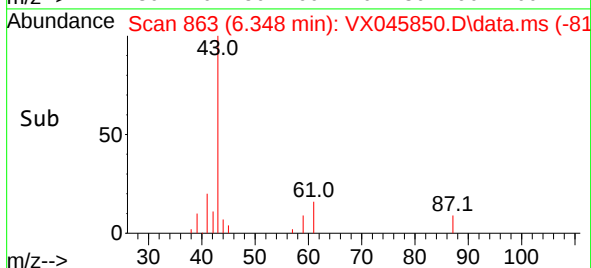
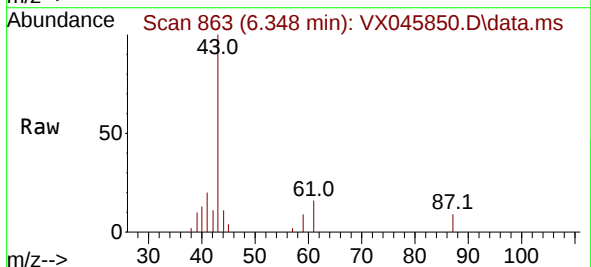


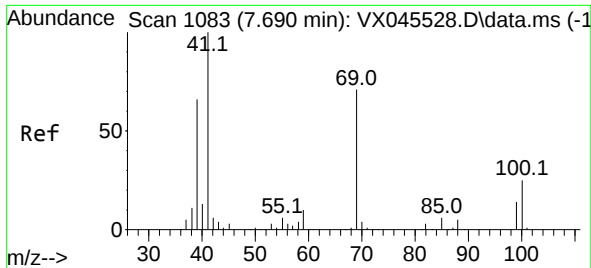
Tgt Ion:117 Resp: 8126
Ion Ratio Lower Upper
117 100
119 4.3 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.753 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

Tgt Ion: 43 Resp: 9195
Ion Ratio Lower Upper
43 100
61 17.5 14.1 21.1
87 10.8 9.2 13.8

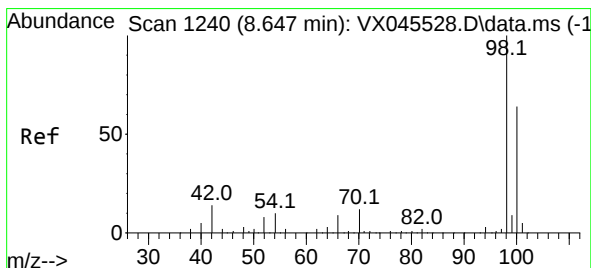
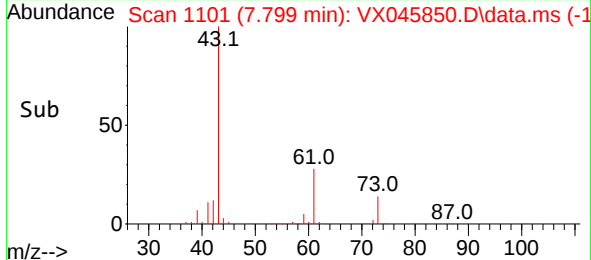
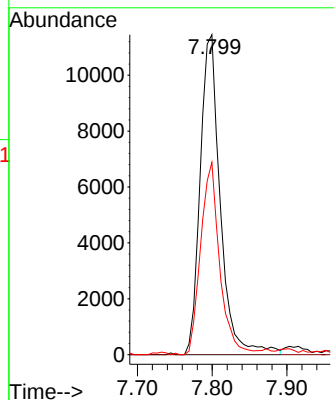
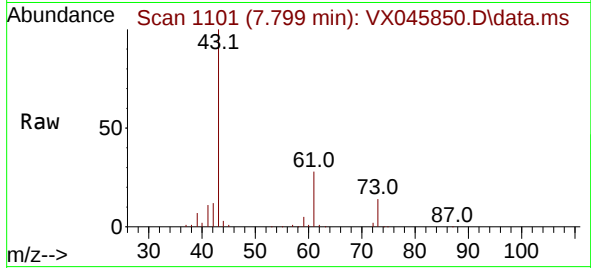




#48
Methyl methacrylate
Concen: 16.914 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

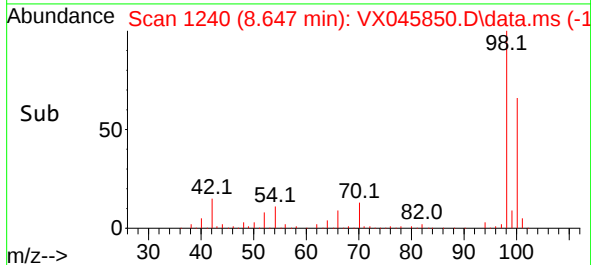
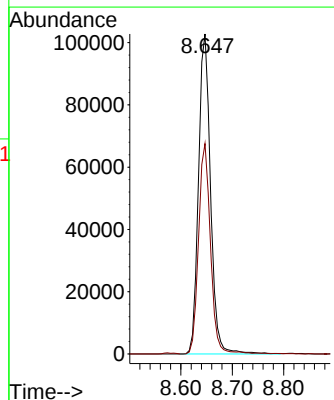
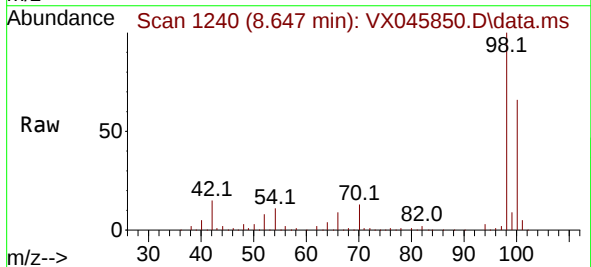
Instrument :
MSVOA_X
ClientSampleId :
TP-11

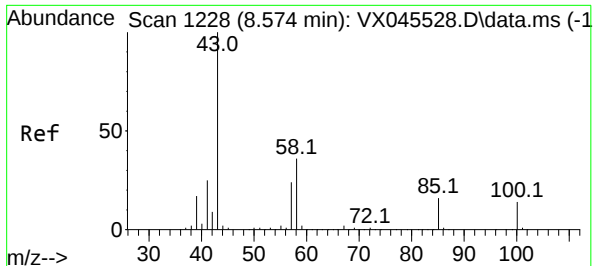
Tgt Ion: 41 Resp: 21397
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 56.6 53.6 80.4



#50
Toluene-d8
Concen: 50.362 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

Tgt Ion: 98 Resp: 167004
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4

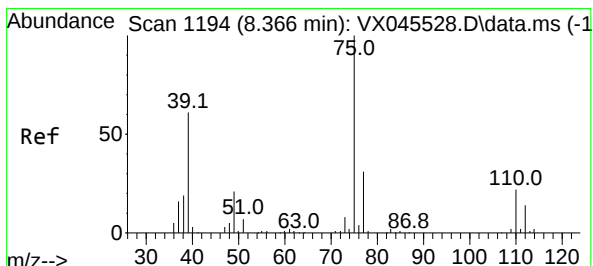
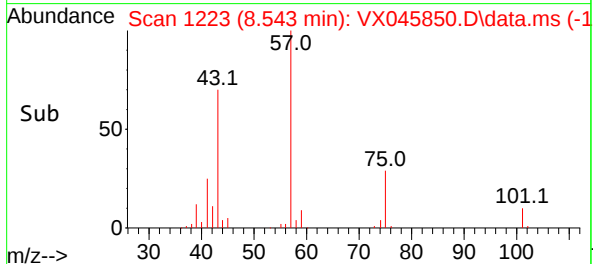
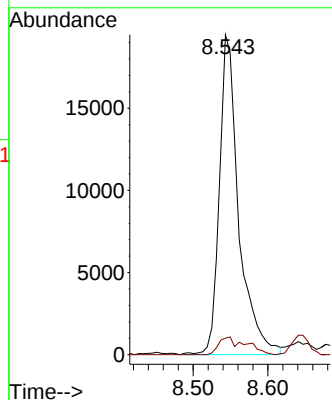
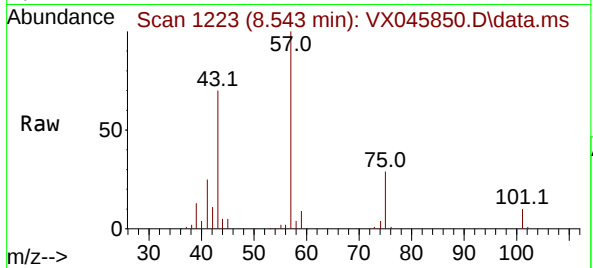




#51
4-Methyl-2-Pentanone
Concen: 21.604 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

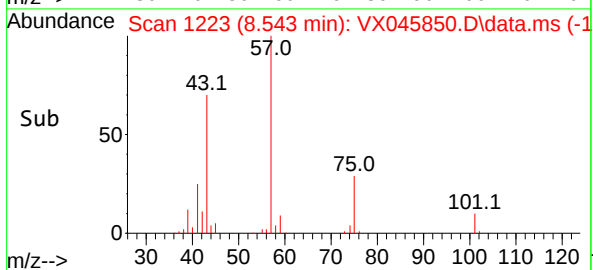
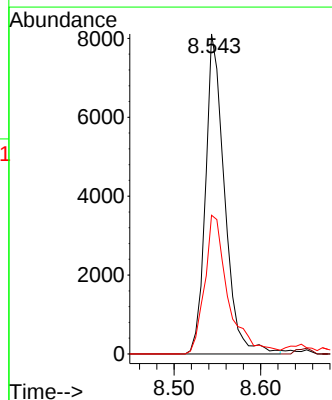
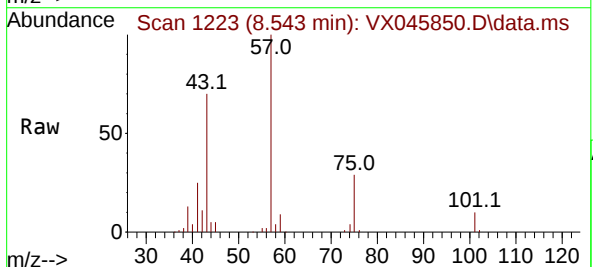
Instrument :
MSVOA_X
ClientSampleId :
TP-11

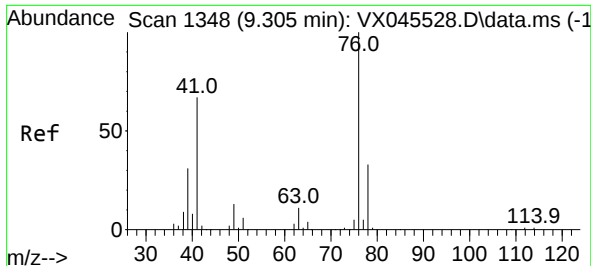
Tgt Ion: 43 Resp: 35089
Ion Ratio Lower Upper
43 100
58 5.6 28.5 42.7#



#54
cis-1,3-Dichloropropene
Concen: 8.809 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.177 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

Tgt Ion: 75 Resp: 12405
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 43.3 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.430 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX045850.D

Acq: 18 Apr 2025 12:14

Instrument :

MSVOA_X

ClientSampleId :

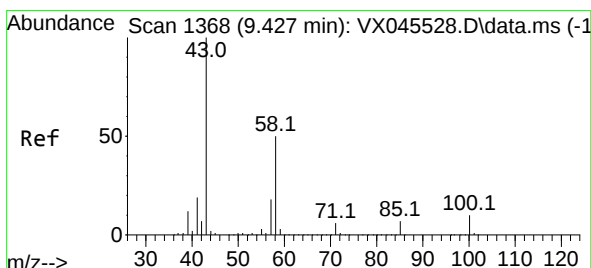
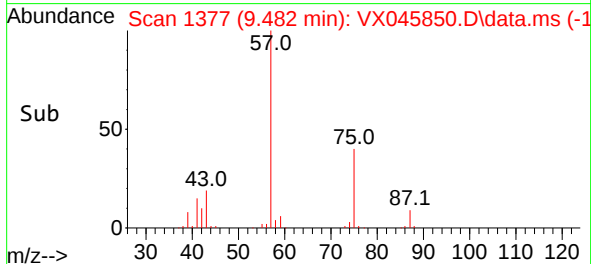
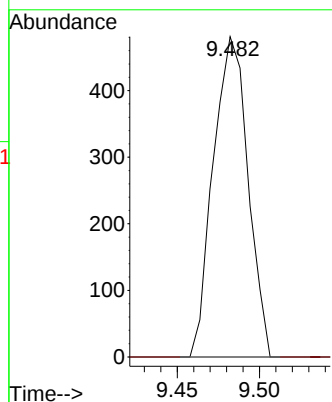
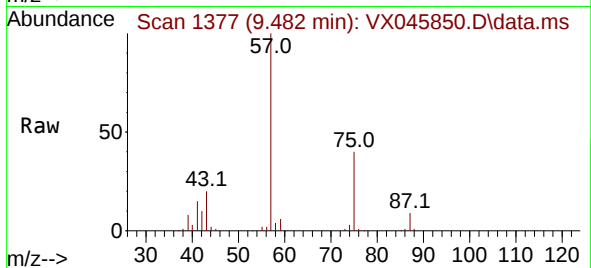
TP-11

Tgt Ion: 76 Resp: 707

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 9.817 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045850.D

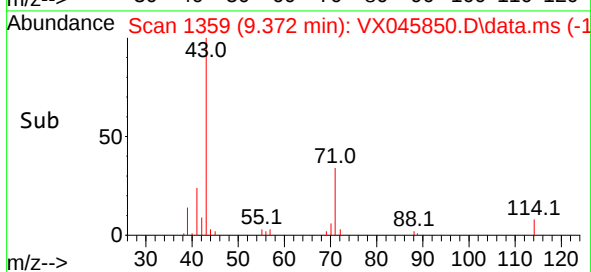
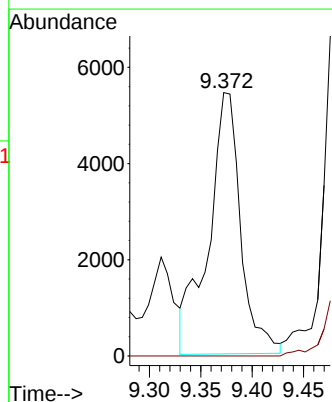
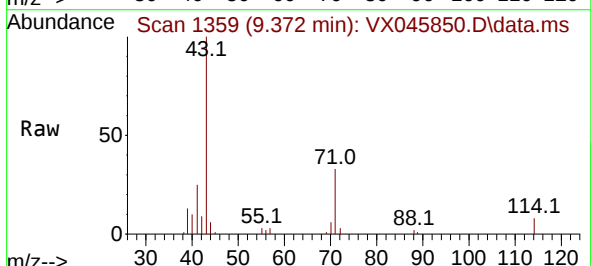
Acq: 18 Apr 2025 12:14

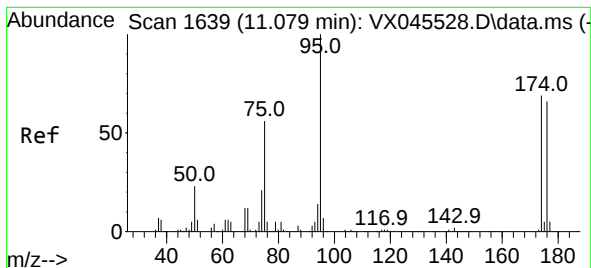
Tgt Ion: 43 Resp: 11808

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

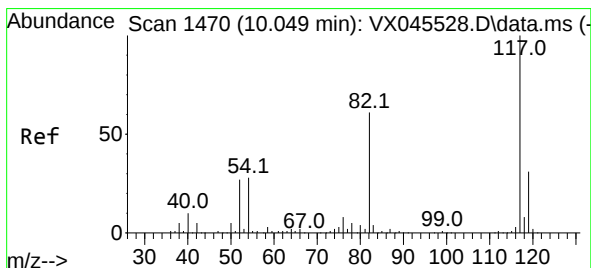
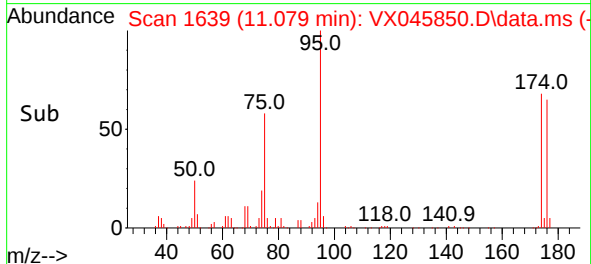
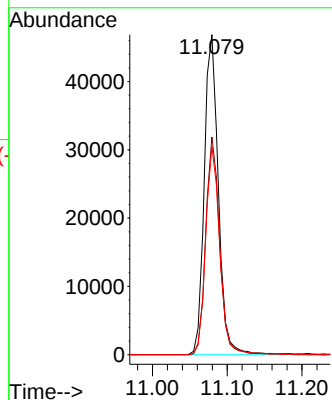
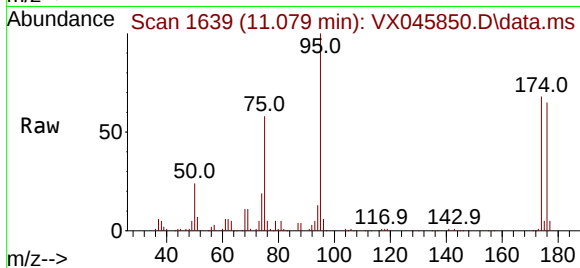




#62
4-Bromofluorobenzene
Concen: 50.819 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

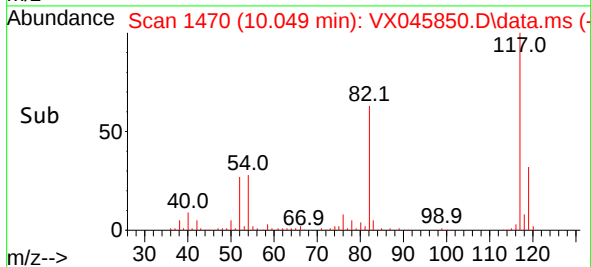
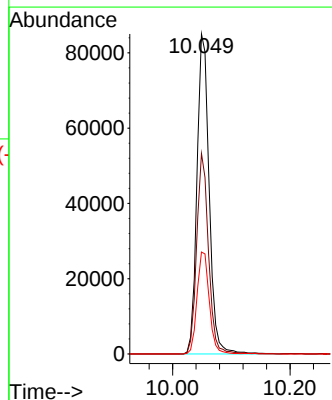
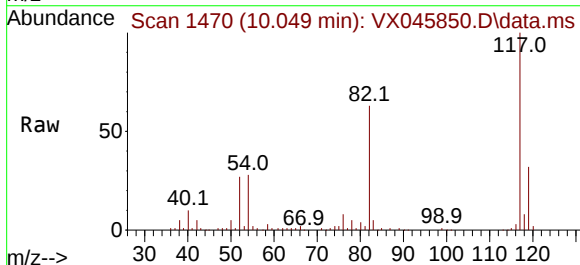
Instrument :
MSVOA_X
ClientSampleId :
TP-11

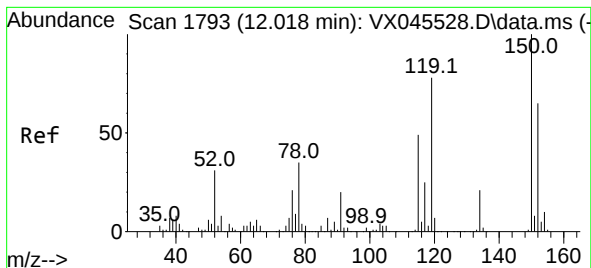
Tgt Ion: 95 Resp: 61383
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 65.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045850.D
Acq: 18 Apr 2025 12:14

Tgt Ion: 117 Resp: 122372
Ion Ratio Lower Upper
117 100
82 62.7 49.2 73.8
119 31.9 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045850.D

Acq: 18 Apr 2025 12:14

Instrument :

MSVOA_X

ClientSampleId :

TP-11

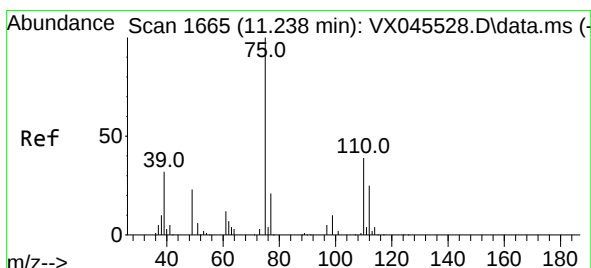
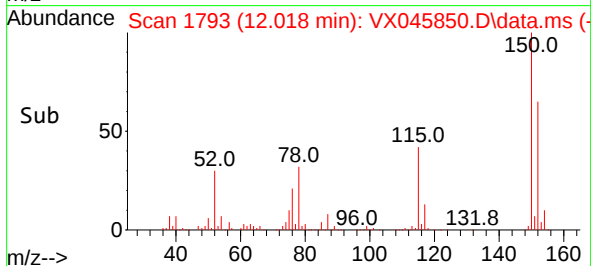
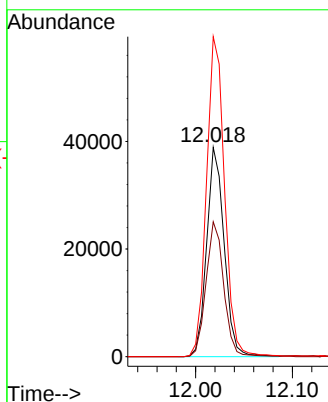
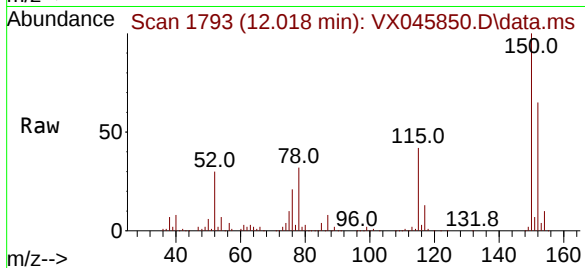
Tgt Ion:152 Resp: 49081

Ion Ratio Lower Upper

152 100

115 65.4 46.9 140.7

150 157.4 0.0 349.4



#76

1,2,3-Trichloropropane

Concen: 29.261 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045850.D

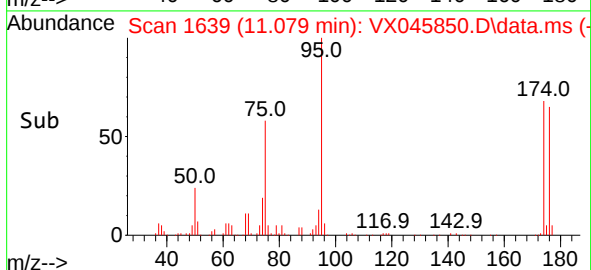
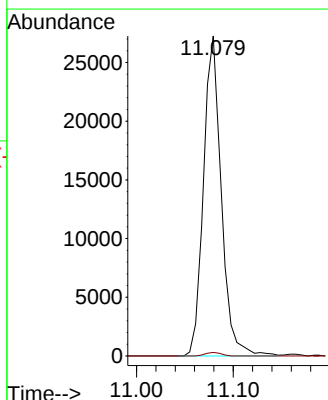
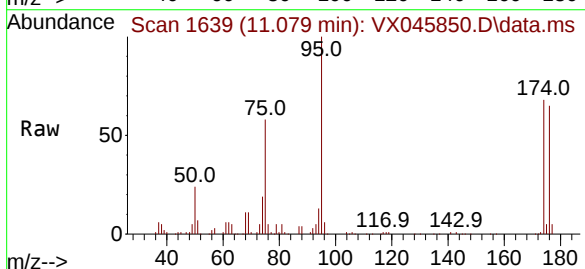
Acq: 18 Apr 2025 12:14

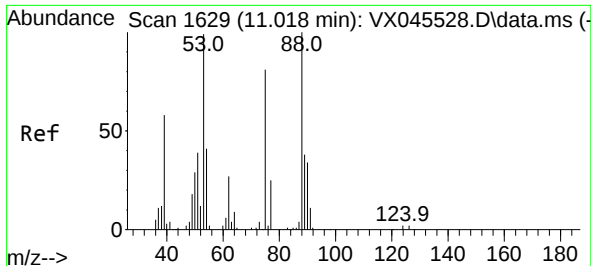
Tgt Ion: 75 Resp: 35031

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#

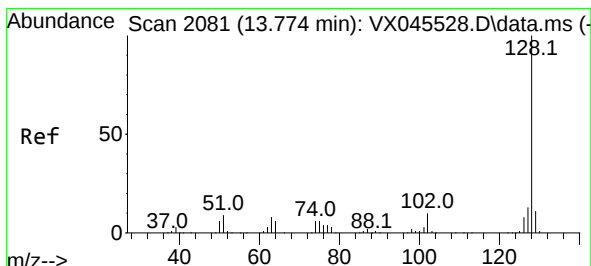
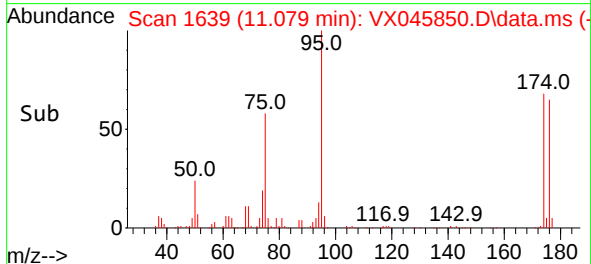
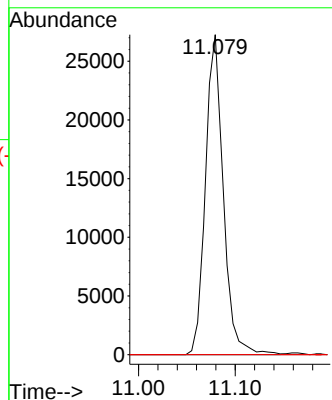
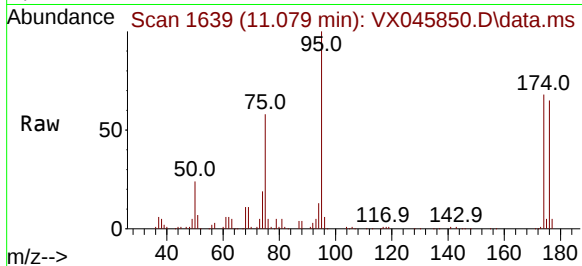




#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.307 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045850.D
 Acq: 18 Apr 2025 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-11

Tgt Ion: 75 Resp: 35031
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#



#95
 Naphthalene
 Concen: 6.627 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. 0.000 min
 Lab File: VX045850.D
 Acq: 18 Apr 2025 12:14

Tgt Ion: 128 Resp: 22566
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.3 15.5
 129 9.8 8.6 12.8

