

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045722.D
 Acq On : 11 Apr 2025 07:28
 Operator : JC/MD
 Sample : Q1752-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Apr 11 08:00:16 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)

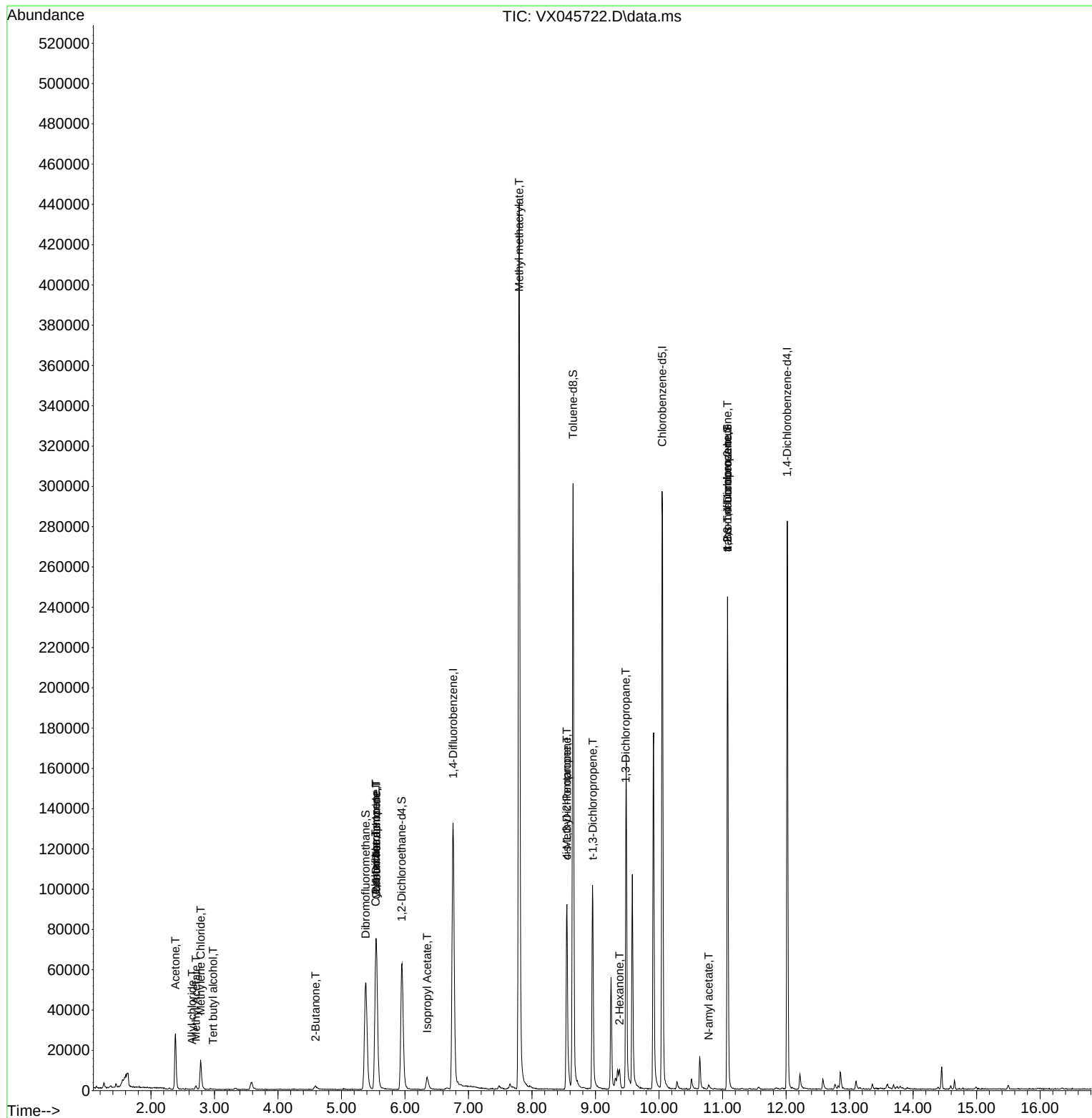
Internal Standards						
1) Pentafluorobenzene	5.544	168	64627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129302	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	64798	54.827	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.660%	
35) Dibromofluoromethane	5.379	113	46391	50.568	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.140%	
50) Toluene-d8	8.647	98	164931	51.507	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.020%	
62) 4-Bromofluorobenzene	11.079	95	62533	53.614	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	151	0.951	ug/l #	72
14) Allyl chloride	2.648	41	360	0.245	ug/l #	33
16) Acetone	2.386	43	29866	61.541	ug/l	98
18) Methyl Acetate	2.709	43	2414	2.160	ug/l	92
20) Methylene Chloride	2.782	84	6301	6.935	ug/l	96
25) 2-Butanone	4.593	43	4032	5.676	ug/l	96
31) Cyclohexane	5.538	56	1766	1.218	ug/l #	40
36) 1,1-Dichloropropene	5.544	75	6443	5.202	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7508	5.608	ug/l #	16
43) Isopropyl Acetate	6.348	43	9316	3.938	ug/l	96
48) Methyl methacrylate	7.799	41	44754	36.637	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	36210	23.087	ug/l #	54
53) t-1,3-Dichloropropene	8.958	75	207	2.431	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13959	10.265	ug/l #	72
57) 1,3-Dichloropropane	9.476	76	1387	0.873	ug/l #	42
59) 2-Hexanone	9.378	43	9779	8.420	ug/l #	28
74) N-amyl acetate	10.781	43	1537	0.804	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	36732	30.180	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36732	102.427	ug/l #	1

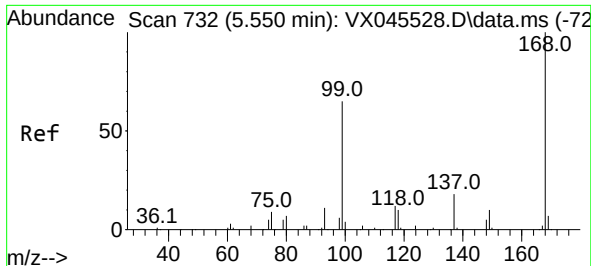
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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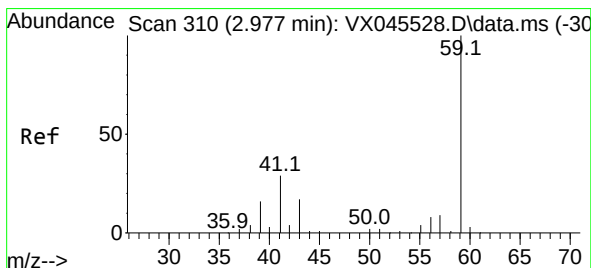
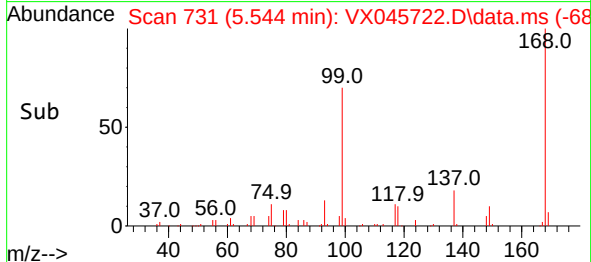
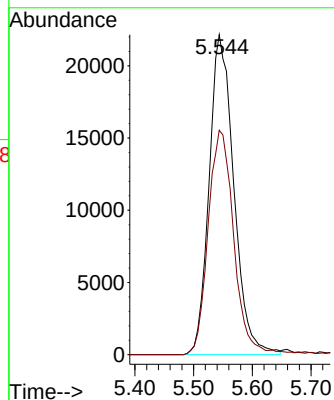
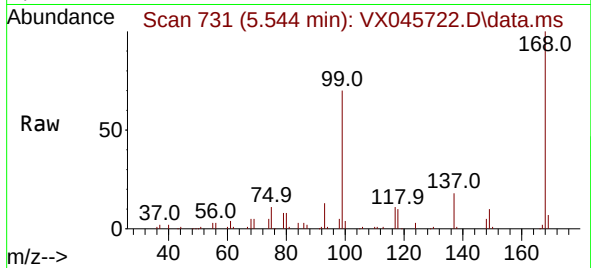




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

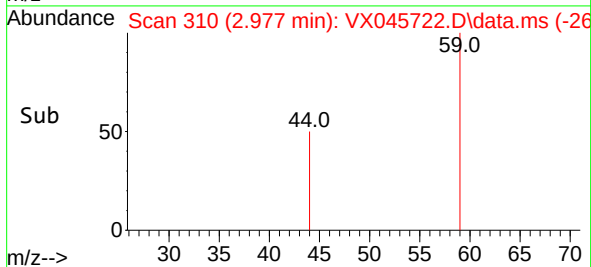
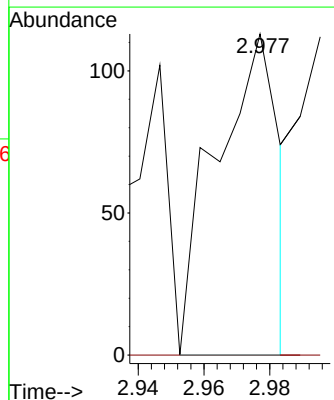
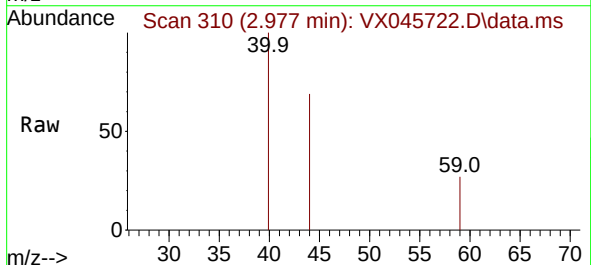
Instrument :
MSVOA_X
ClientSampleId :
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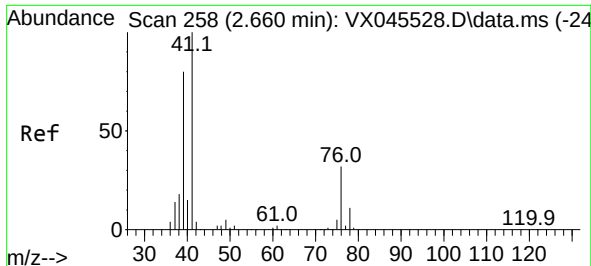
Tgt Ion:168 Resp: 64627
Ion Ratio Lower Upper
168 100
99 70.1 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.951 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

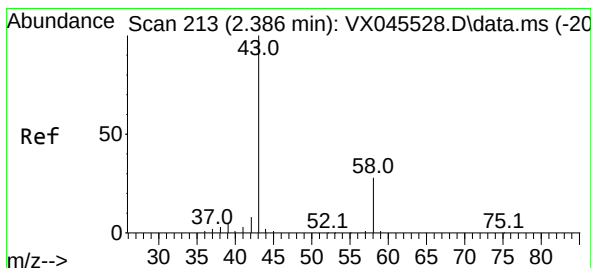
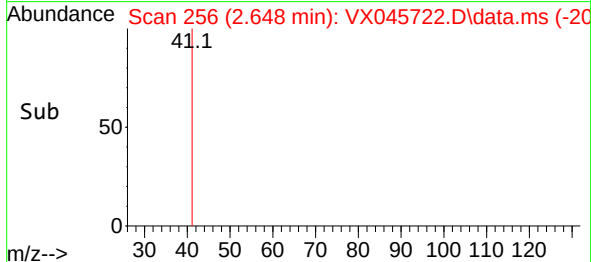
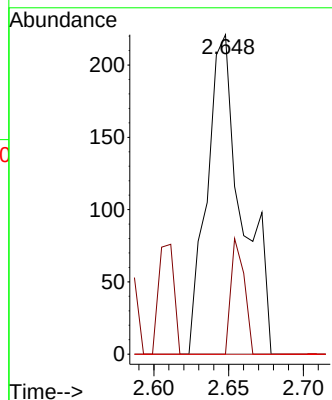
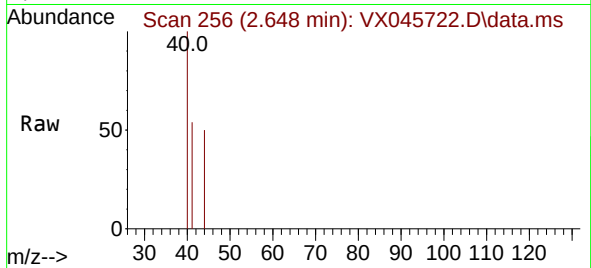




#14
 Allyl chloride
 Concen: 0.245 ug/l
 RT: 2.648 min Scan# 214
 Delta R.T. -0.012 min
 Lab File: VX045722.D
 Acq: 11 Apr 2025 07:28

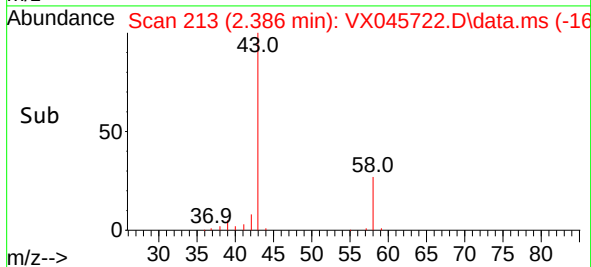
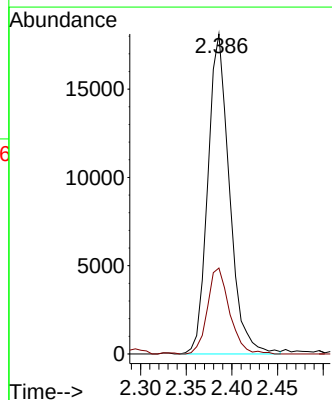
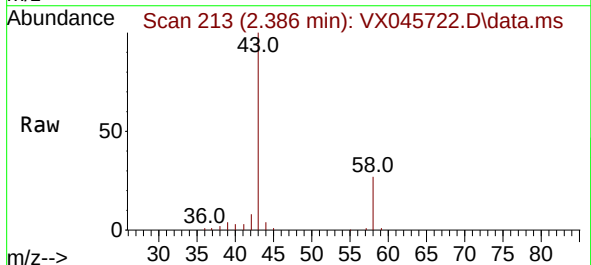
Instrument :
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 ClientSampleId :
 TP-3

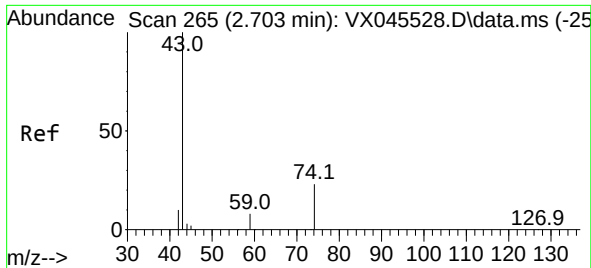
Tgt Ion: 41 Resp: 360
 Ion Ratio Lower Upper
 41 100
 39 13.9 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 61.541 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VX045722.D
 Acq: 11 Apr 2025 07:28

Tgt Ion: 43 Resp: 29866
 Ion Ratio Lower Upper
 43 100
 58 26.9 22.3 33.5

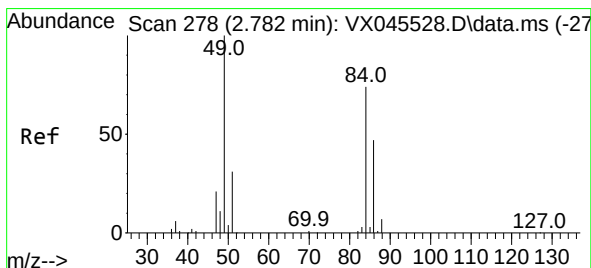
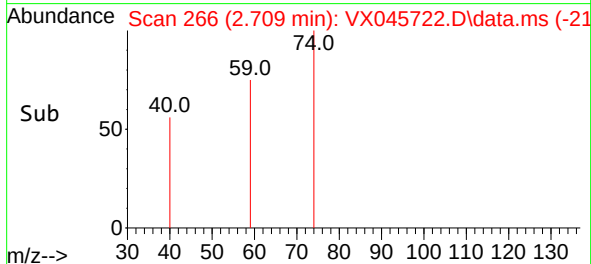
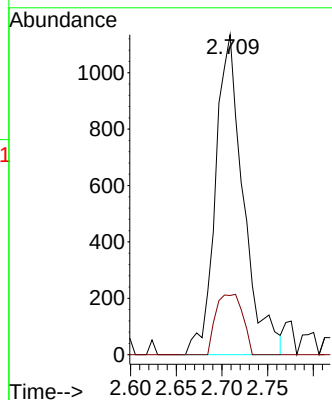
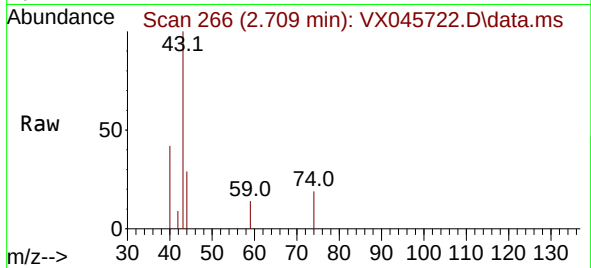




#18
Methyl Acetate
Concen: 2.160 ug/l
RT: 2.709 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

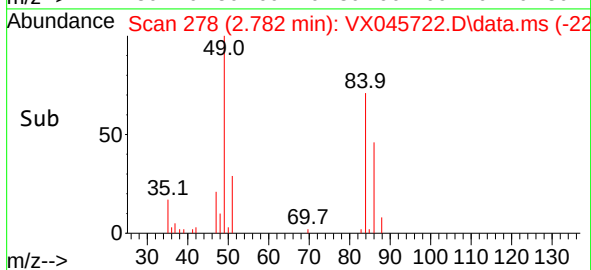
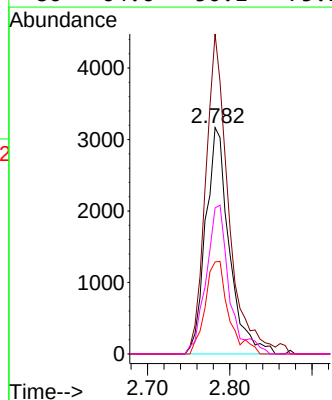
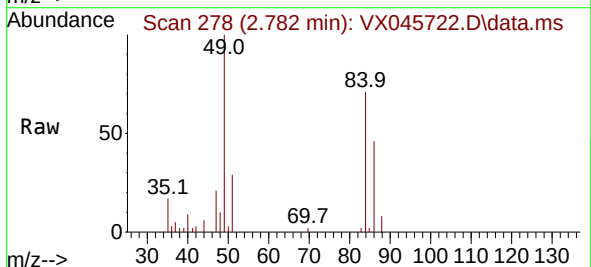
Instrument :
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ClientSampleId :
TP-3

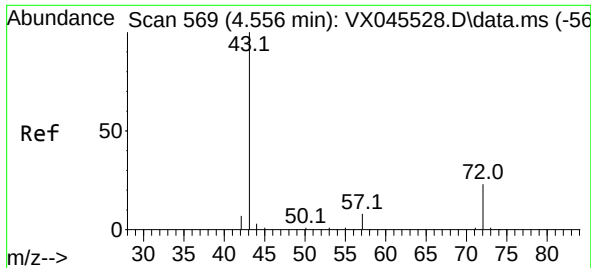
Tgt Ion: 43 Resp: 2414
Ion Ratio Lower Upper
43 100
74 18.1 17.5 26.3



#20
Methylene Chloride
Concen: 6.935 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

Tgt Ion: 84 Resp: 6301
Ion Ratio Lower Upper
84 100
49 141.3 107.5 161.3
51 40.7 33.0 49.6
86 64.6 50.1 75.1

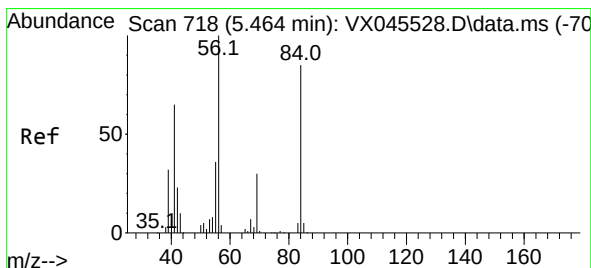
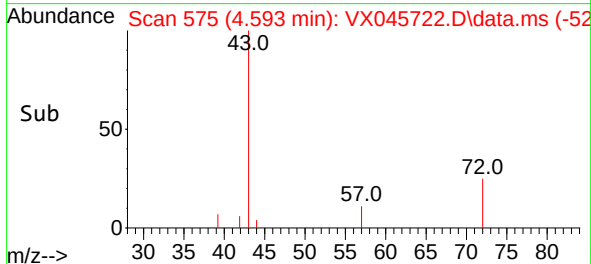
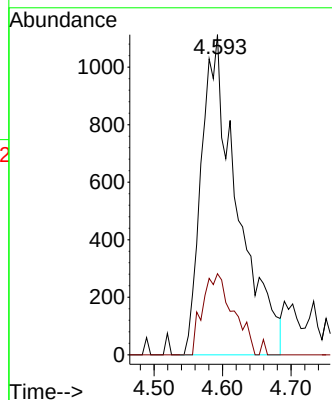
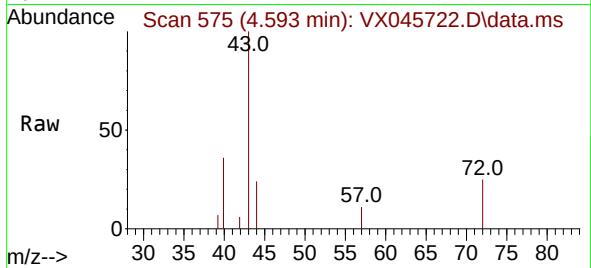




#25
2-Butanone
Concen: 5.676 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

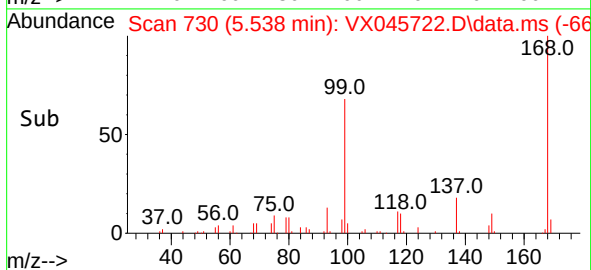
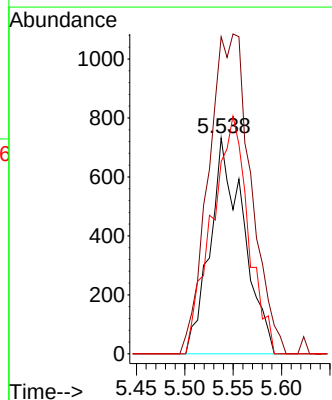
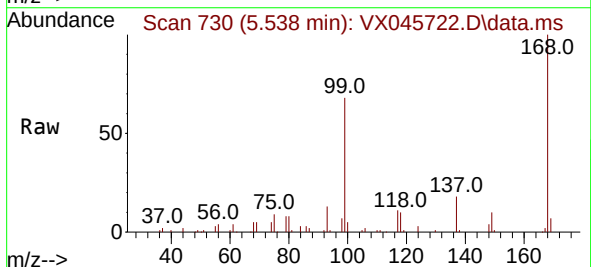
Instrument :
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ClientSampleId :
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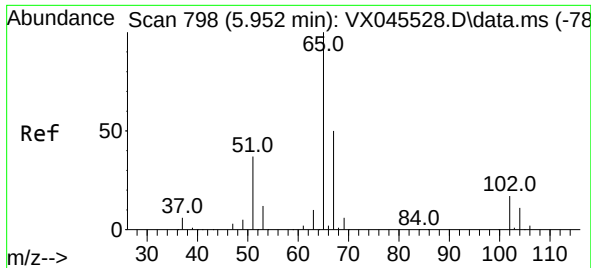
Tgt Ion: 43 Resp: 4032
Ion Ratio Lower Upper
43 100
72 25.3 18.6 28.0



#31
Cyclohexane
Concen: 1.218 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

Tgt Ion: 56 Resp: 1766
Ion Ratio Lower Upper
56 100
69 146.9 23.6 35.4#
84 89.1 67.7 101.5

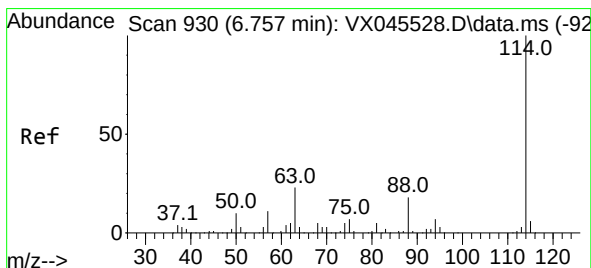
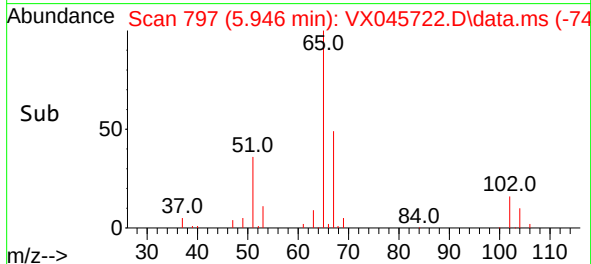
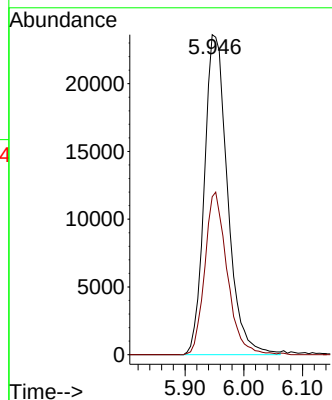
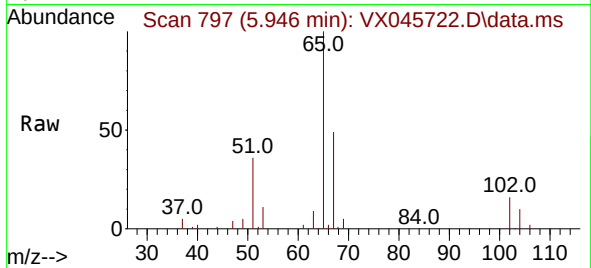




#33
 1,2-Dichloroethane-d4
 Concen: 54.827 ug/l
 RT: 5.946 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX045722.D
 Acq: 11 Apr 2025 07:28

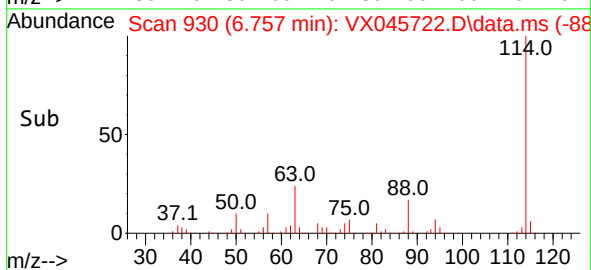
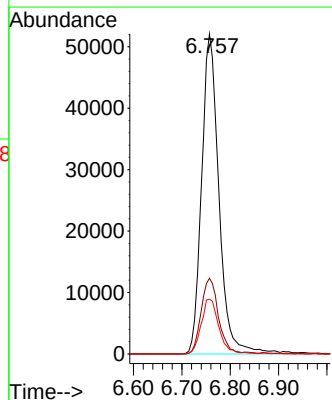
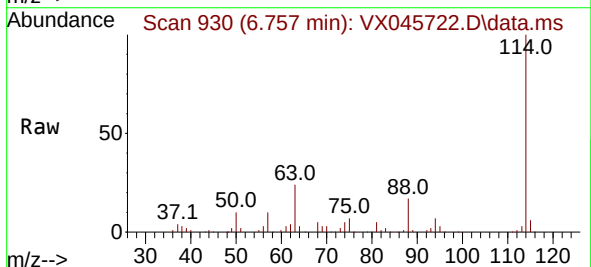
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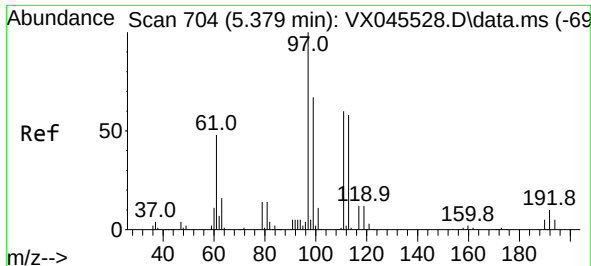
Tgt Ion: 65 Resp: 64798
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045722.D
 Acq: 11 Apr 2025 07:28

Tgt Ion: 114 Resp: 129302
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.8
 88 17.1 0.0 35.4

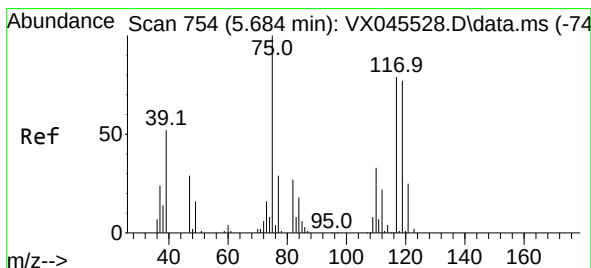
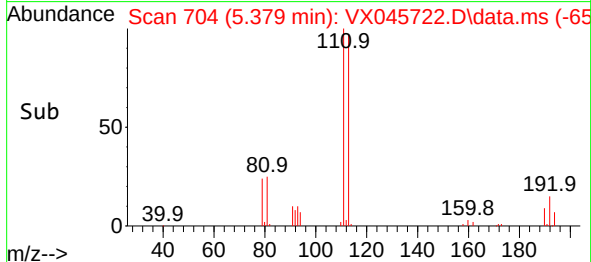
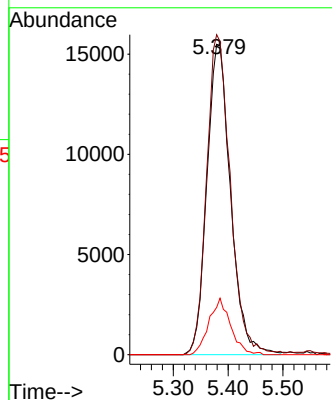
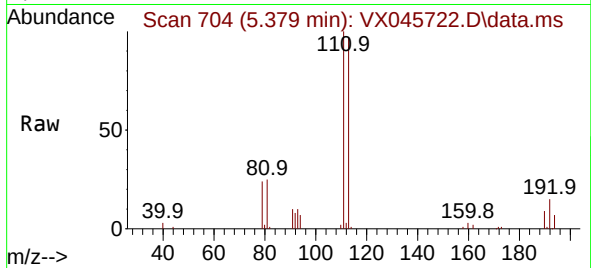




#35
Dibromofluoromethane
Concen: 50.568 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

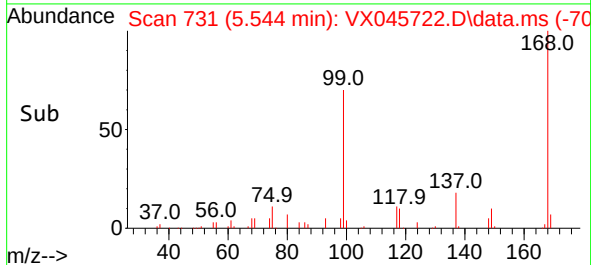
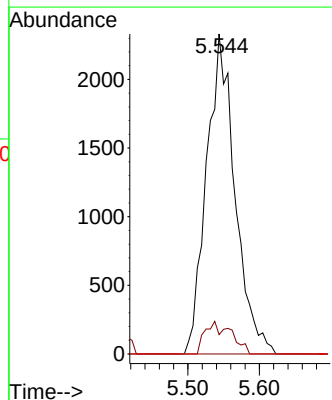
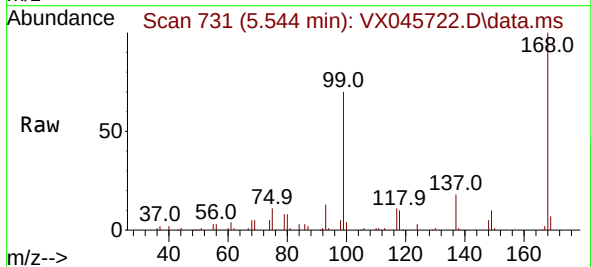
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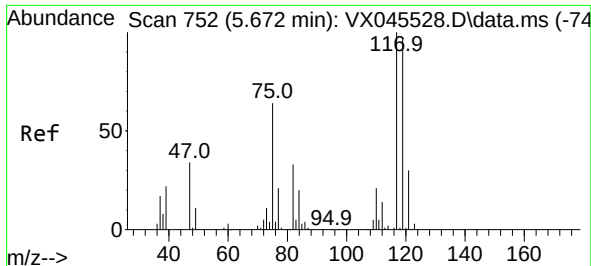
Tgt Ion:113 Resp: 46391
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

Tgt Ion: 75 Resp: 6443
Ion Ratio Lower Upper
75 100
110 9.3 16.9 50.6#
77 0.0 25.0 37.4#

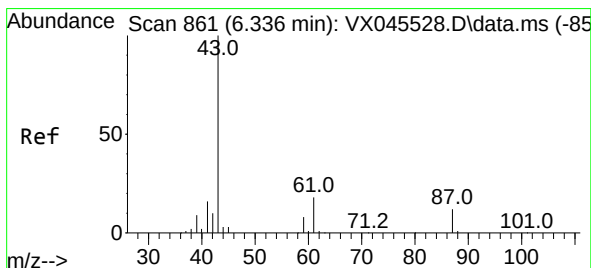
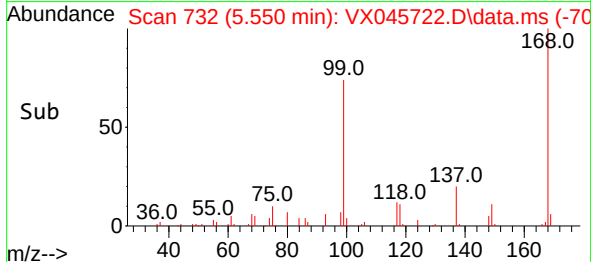
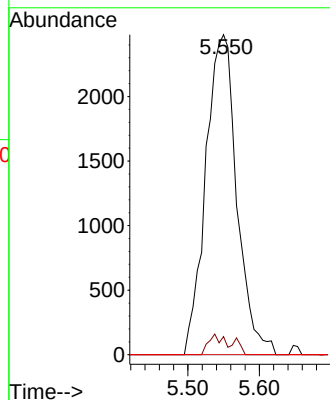
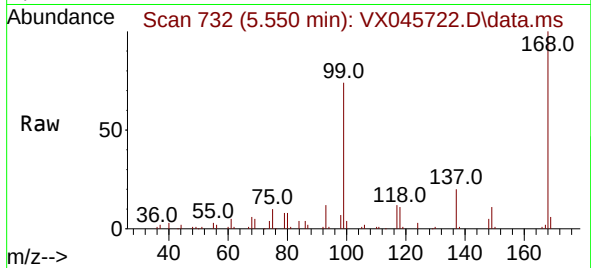




#38
Carbon Tetrachloride
Concen: 5.608 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

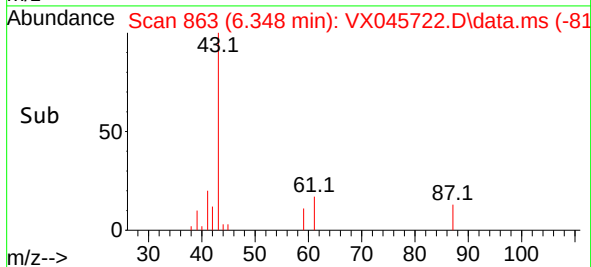
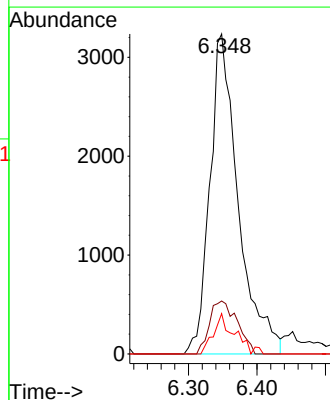
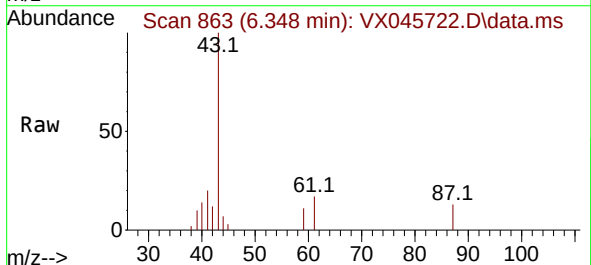
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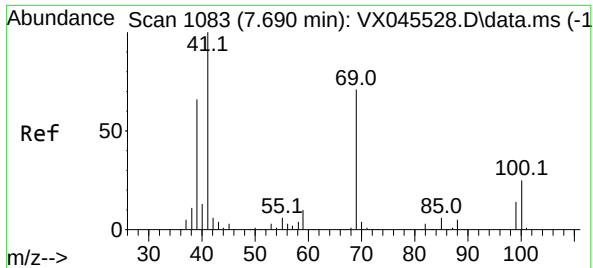
Tgt Ion:117 Resp: 7508
Ion Ratio Lower Upper
117 100
119 5.6 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.938 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

Tgt Ion: 43 Resp: 9316
Ion Ratio Lower Upper
43 100
61 16.2 14.1 21.1
87 9.4 9.2 13.8

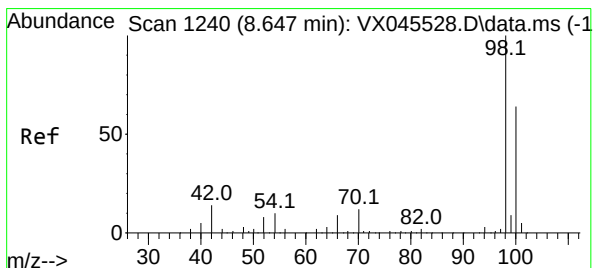
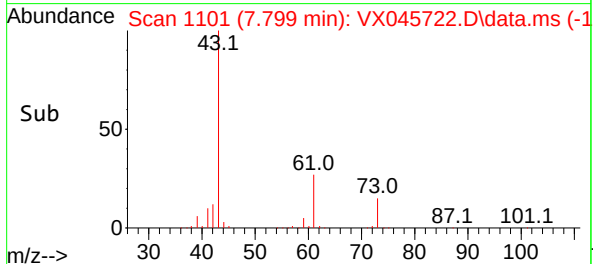
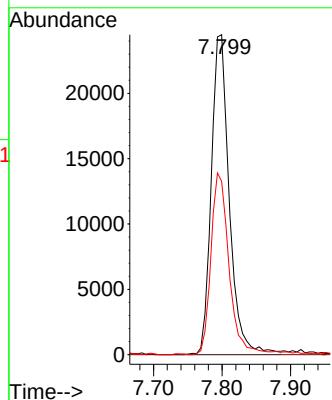
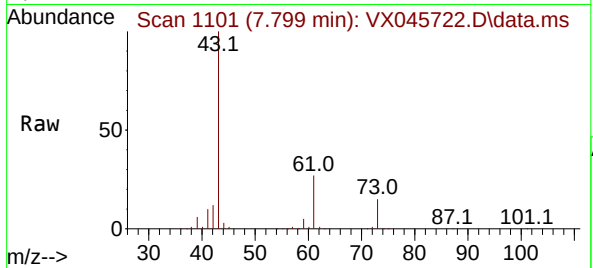




#48
Methyl methacrylate
Concen: 36.637 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

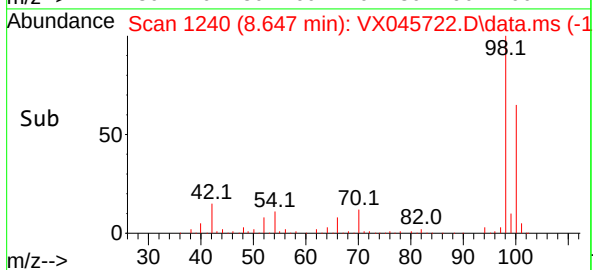
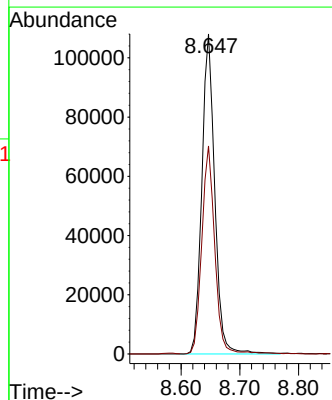
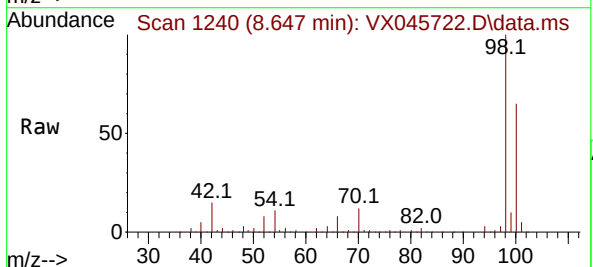
Instrument :
MSVOA_X
ClientSampleId :
TP-3

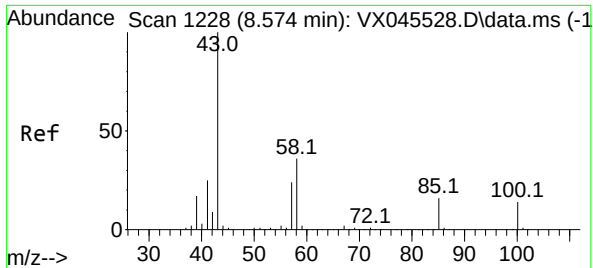
Tgt Ion: 41 Resp: 44754
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.1 53.6 80.4



#50
Toluene-d8
Concen: 51.507 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

Tgt Ion: 98 Resp: 164931
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

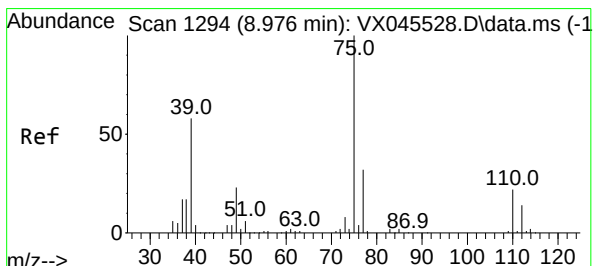
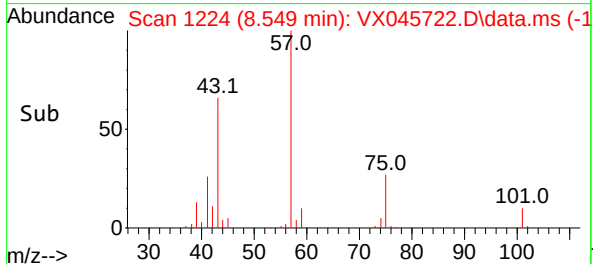
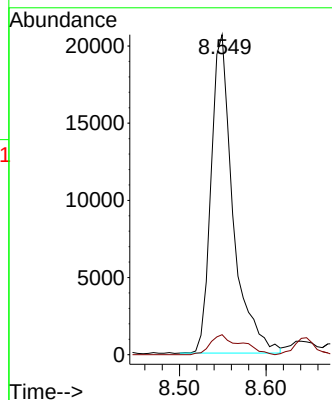
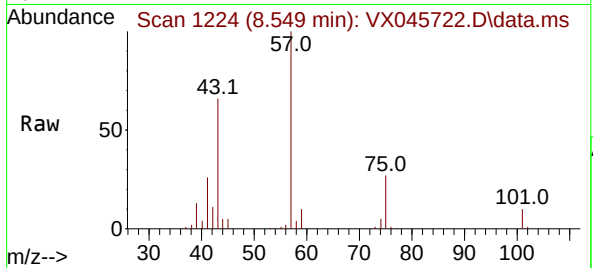




#51
4-Methyl-2-Pentanone
Concen: 23.087 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

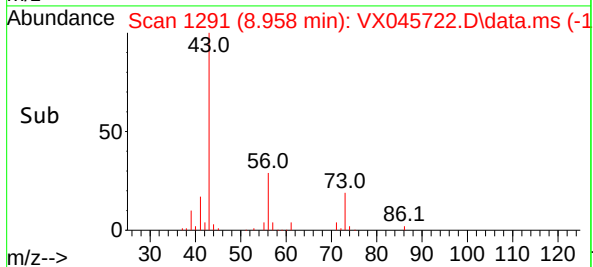
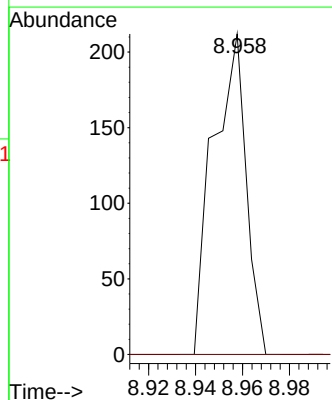
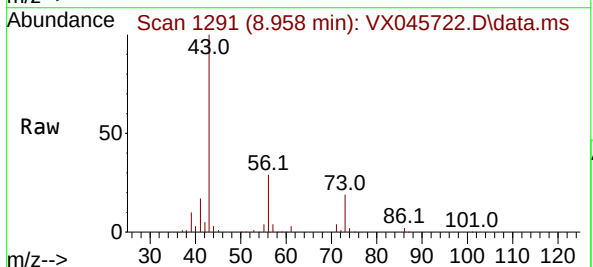
Instrument :
MSVOA_X
ClientSampleId :
TP-3

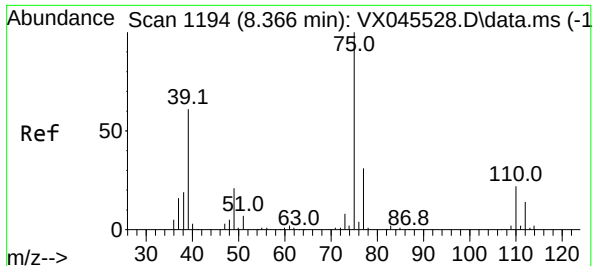
Tgt Ion: 43 Resp: 36210
Ion Ratio Lower Upper
43 100
58 8.8 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.431 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

Tgt Ion: 75 Resp: 207
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

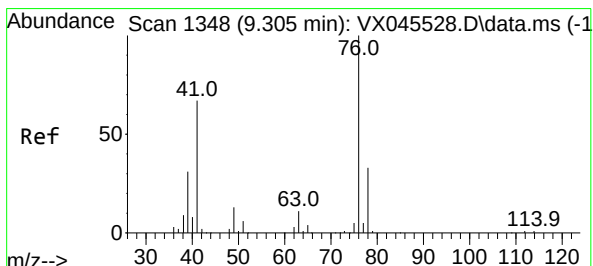
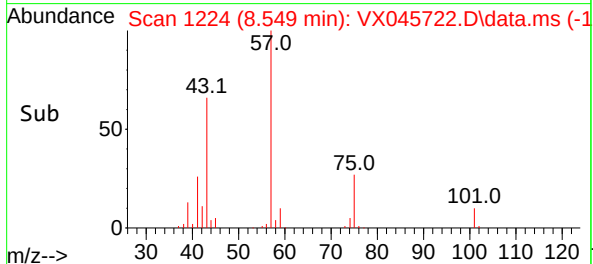
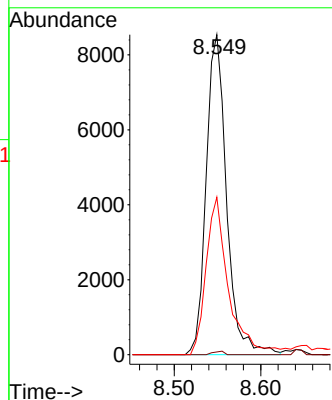
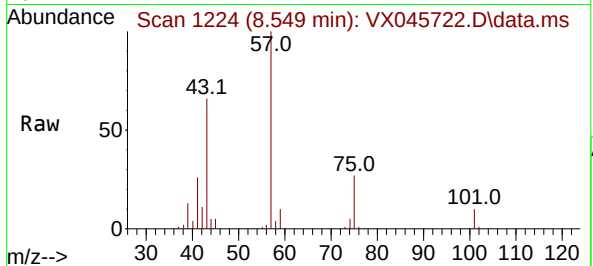




#54
cis-1,3-Dichloropropene
Concen: 10.265 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

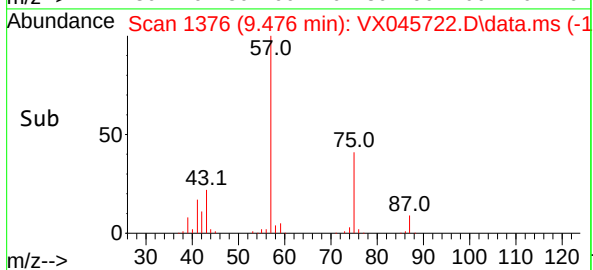
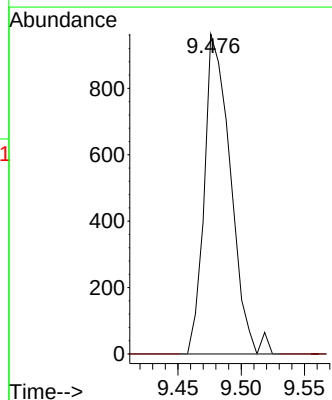
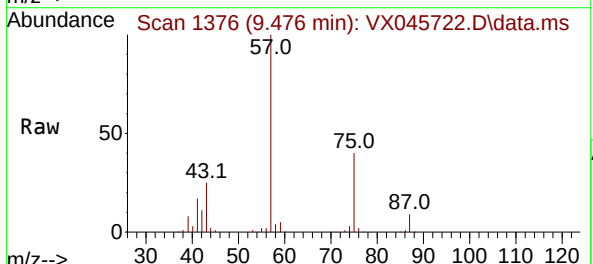
Instrument :
MSVOA_X
ClientSampleId :
TP-3

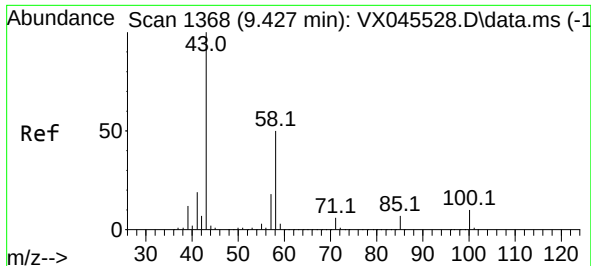
Tgt Ion: 75 Resp: 13959
Ion Ratio Lower Upper
75 100
77 0.9 24.6 36.8#
39 49.2 48.4 72.6



#57
1,3-Dichloropropane
Concen: 0.873 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.171 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

Tgt Ion: 76 Resp: 1387
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 8.420 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX045722.D

Acq: 11 Apr 2025 07:28

Instrument :

MSVOA_X

ClientSampleId :

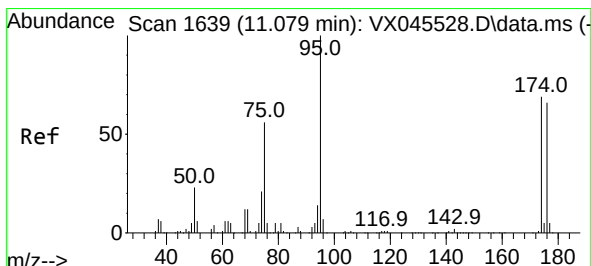
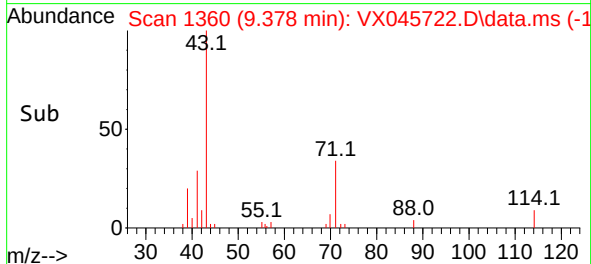
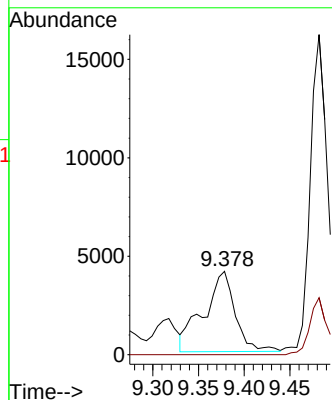
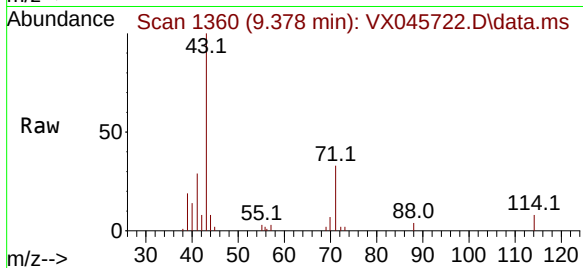
TP-3

Tgt Ion: 43 Resp: 9779

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 53.614 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045722.D

Acq: 11 Apr 2025 07:28

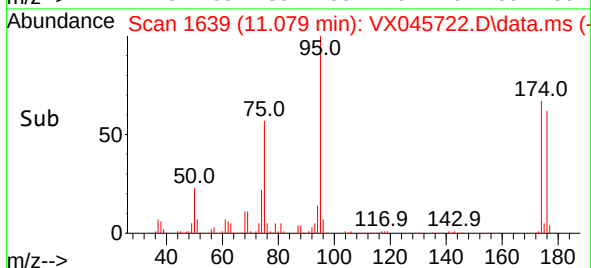
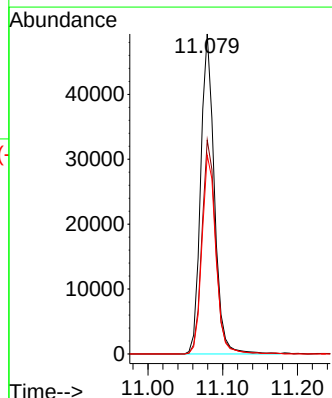
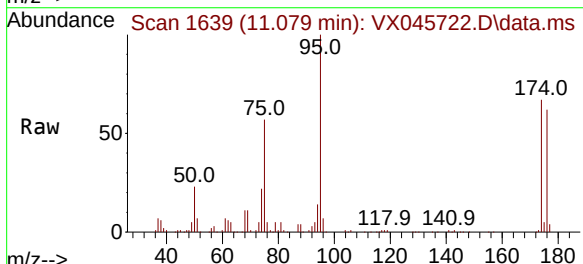
Tgt Ion: 95 Resp: 62533

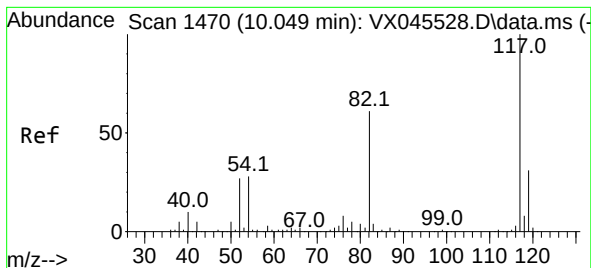
Ion Ratio Lower Upper

95 100

174 67.9 0.0 135.8

176 63.4 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: VX045722.D

Acq: 11 Apr 2025 07:28

Instrument :

MSVOA_X

ClientSampleId :

TP-3

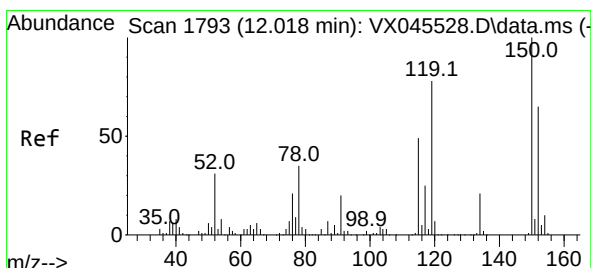
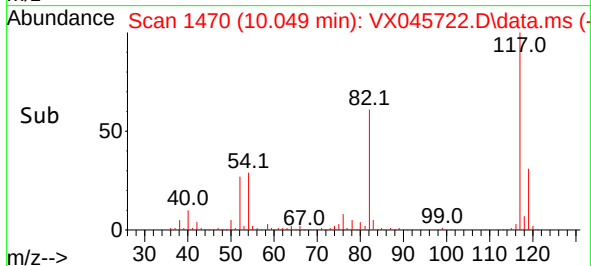
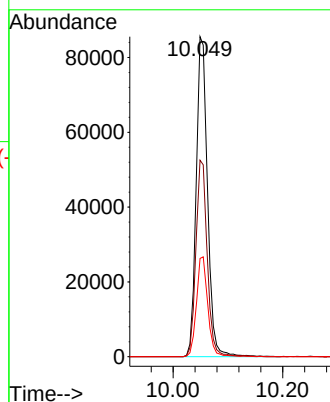
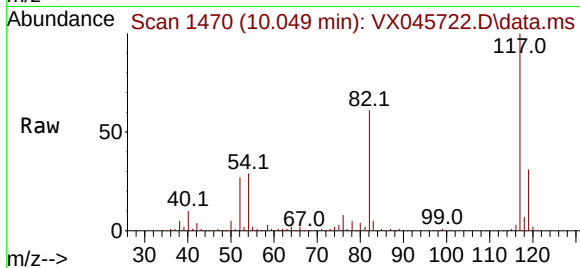
Tgt Ion:117 Resp: 123415

Ion Ratio Lower Upper

117 100

82 61.4 49.2 73.8

119 30.7 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX045722.D

Acq: 11 Apr 2025 07:28

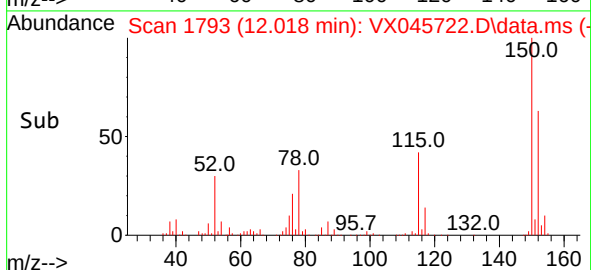
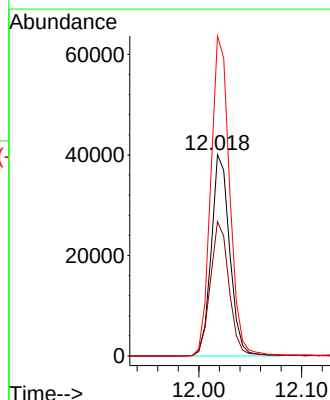
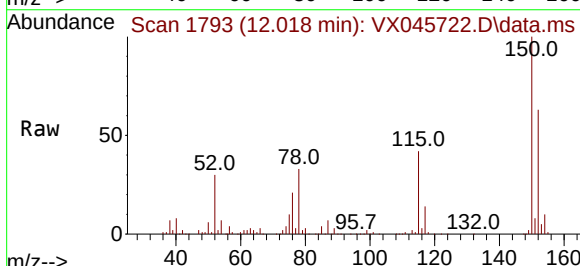
Tgt Ion:152 Resp: 49897

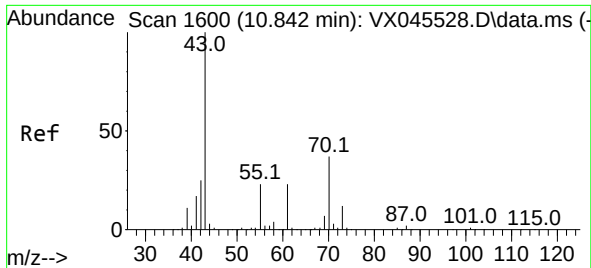
Ion Ratio Lower Upper

152 100

115 68.0 46.9 140.7

150 162.5 0.0 349.4

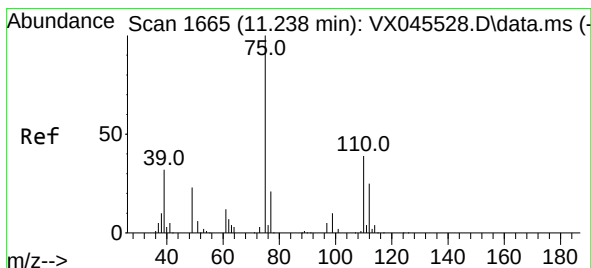
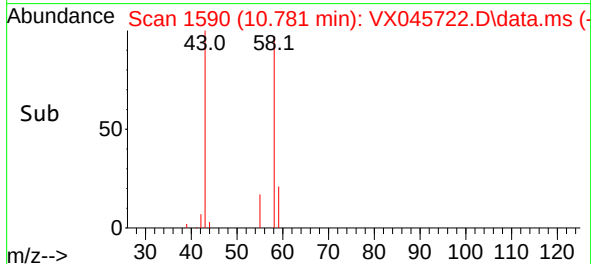
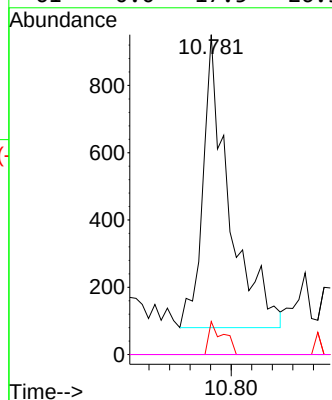
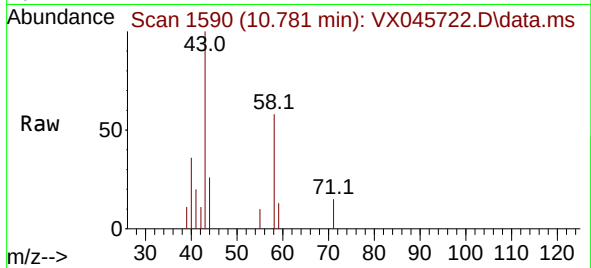




#74
N-amy1 acetate
Concen: 0.804 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

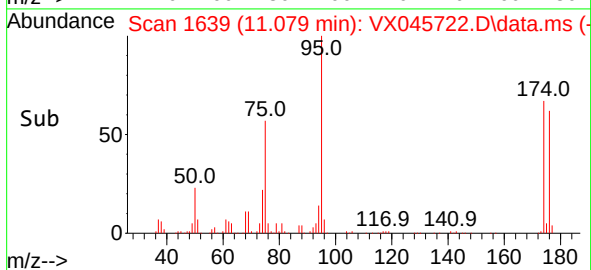
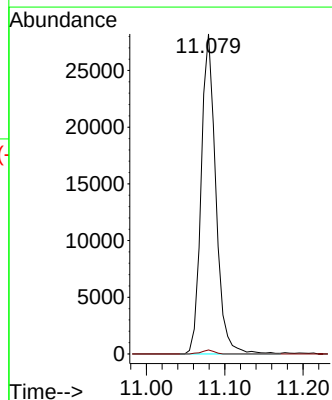
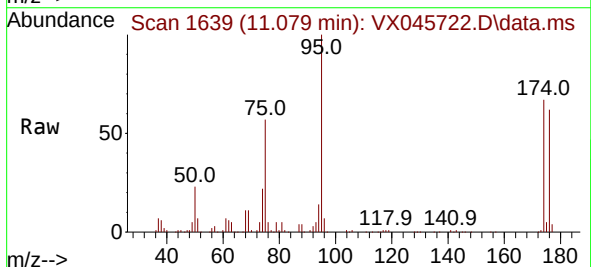
Instrument :
MSVOA_X
ClientSampleId :
TP-3

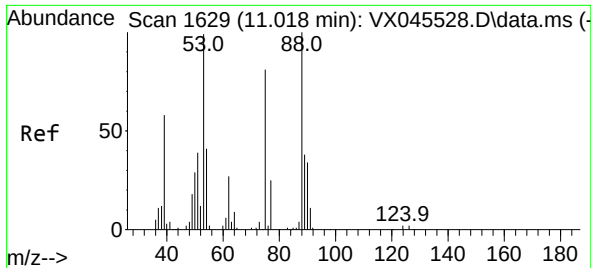
Tgt Ion: 43	Resp: 1537
Ion Ratio	Lower Upper
43 100	
70 0.0	30.1 45.1#
55 6.4	18.3 27.5#
61 0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 30.180 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045722.D
Acq: 11 Apr 2025 07:28

Tgt Ion: 75	Resp: 36732
Ion Ratio	Lower Upper
75 100	
77 1.1	20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.427 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045722.D
 Acq: 11 Apr 2025 07:28

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Tgt Ion: 75 Resp: 36732
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.1 37.2 55.8#

