

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045723.D
 Acq On : 11 Apr 2025 07:51
 Operator : JC/MD
 Sample : Q1752-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: Apr 11 08:21:13 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)

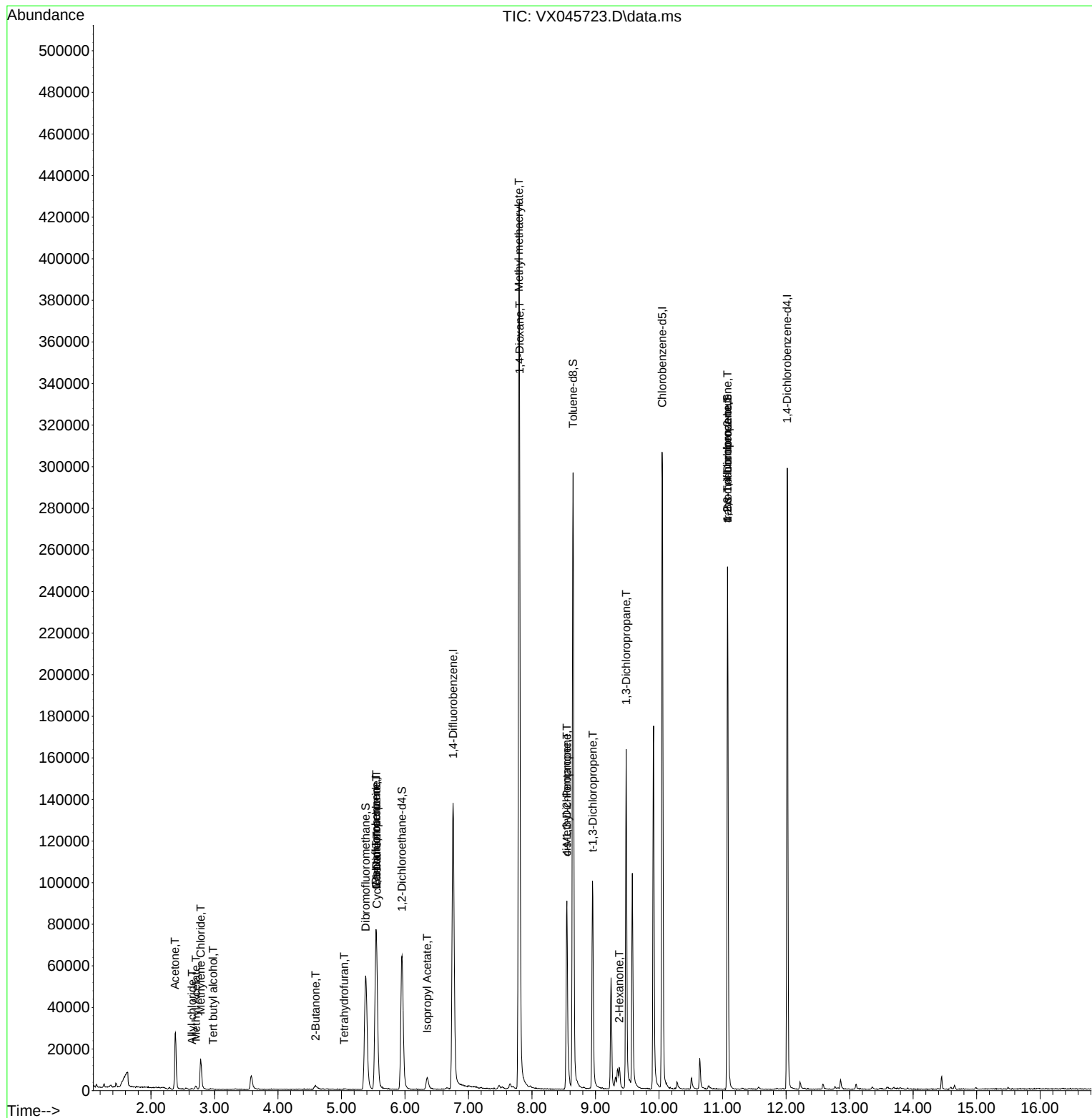
Internal Standards						
1) Pentafluorobenzene	5.544	168	65801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133634	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66282	55.082	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.160%			
35) Dibromofluoromethane	5.379	113	48266	50.906	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.820%			
50) Toluene-d8	8.647	98	169772	51.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.600%			
62) 4-Bromofluorobenzene	11.079	95	65214	54.100	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.200%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	258	1.595	ug/l #	72
14) Allyl chloride	2.648	41	300	0.200	ug/l #	71
16) Acetone	2.380	43	30634	61.997	ug/l	100
18) Methyl Acetate	2.709	43	2423	2.130	ug/l	92
20) Methylene Chloride	2.782	84	6751	7.298	ug/l	98
25) 2-Butanone	4.593	43	4202	5.810	ug/l	97
29) Tetrahydrofuran	5.044	42	128	0.273	ug/l #	35
31) Cyclohexane	5.556	56	2002	1.356	ug/l #	46
36) 1,1-Dichloropropene	5.550	75	6556	5.121	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7870	5.688	ug/l #	15
43) Isopropyl Acetate	6.348	43	8118	3.320	ug/l	98
48) Methyl methacrylate	7.793	41	42806	33.907	ug/l #	51
49) 1,4-Dioxane	7.805	88	22	0.963	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	36700	22.641	ug/l #	54
53) t-1,3-Dichloropropene	8.958	75	191	2.416	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13875	9.873	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	1237	0.754	ug/l #	42
59) 2-Hexanone	9.372	43	9400	7.831	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37957	28.833	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37957	97.855	ug/l #	1

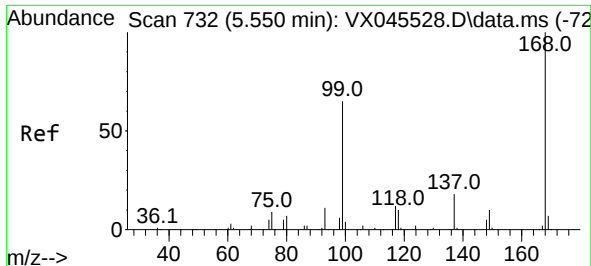
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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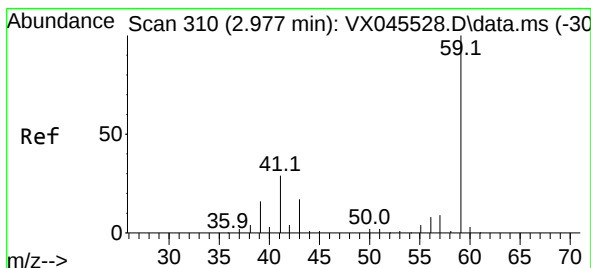
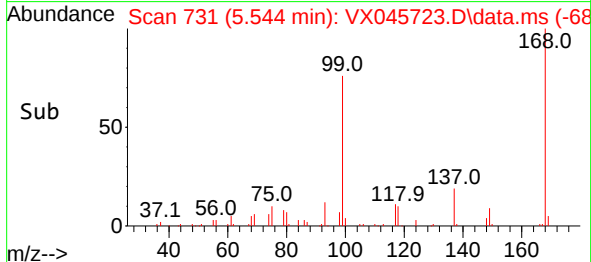
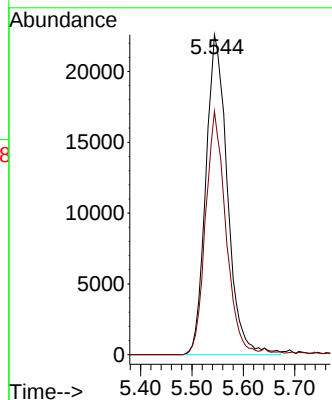
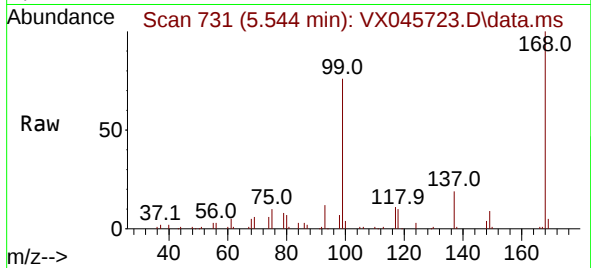




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

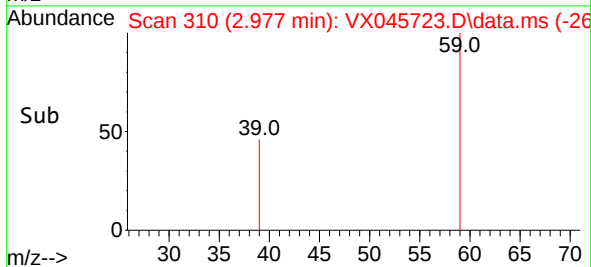
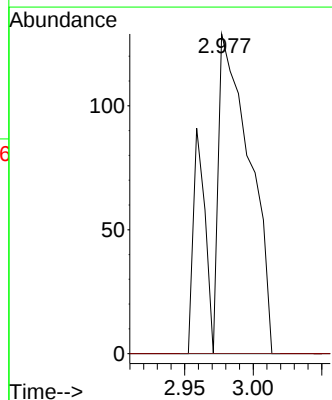
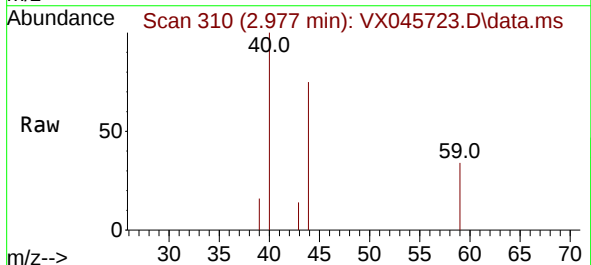
Instrument :
MSVOA_X
ClientSampleId :
TP-1

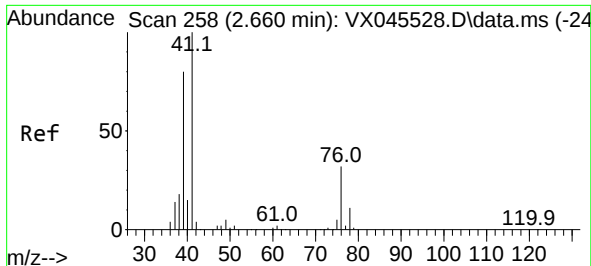
Tgt Ion:168 Resp: 65801
Ion Ratio Lower Upper
168 100
99 76.1 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.595 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion: 59 Resp: 258
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

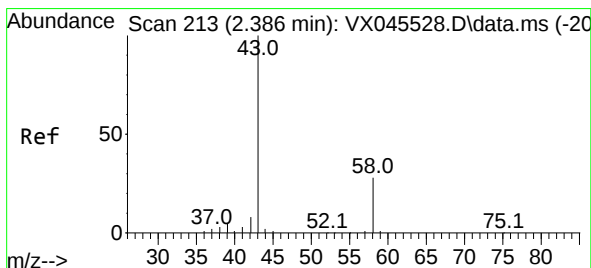
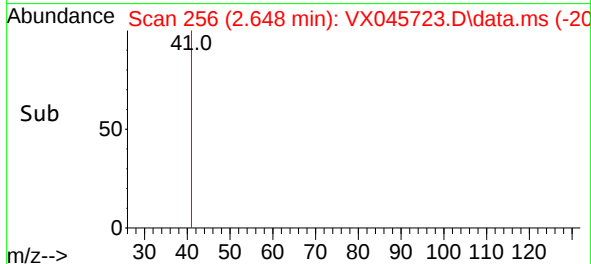
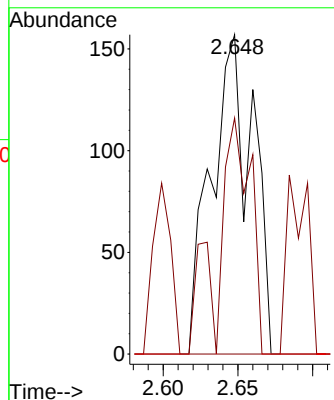
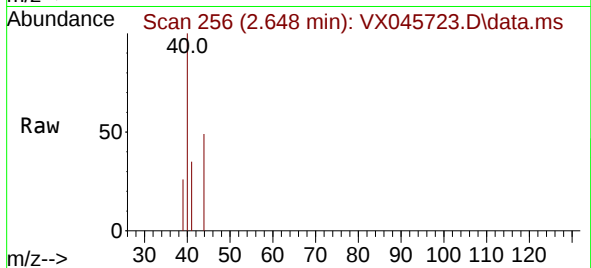




#14
 Allyl chloride
 Concen: 0.200 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX045723.D
 Acq: 11 Apr 2025 07:51

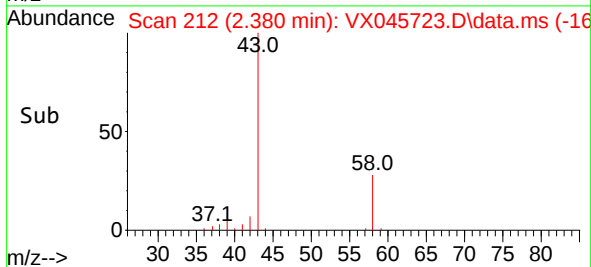
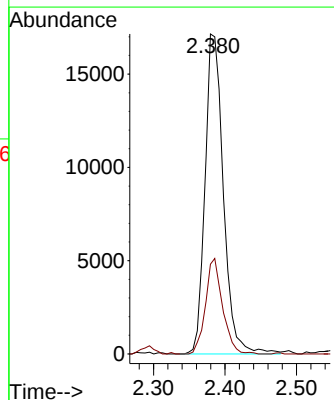
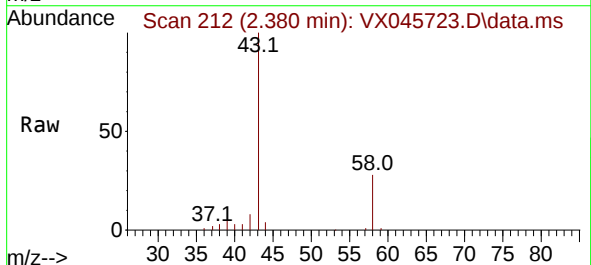
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

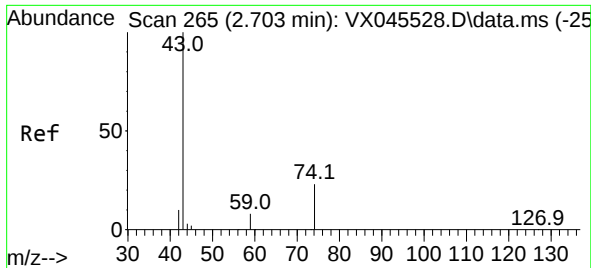
Tgt Ion: 41 Resp: 300
 Ion Ratio Lower Upper
 41 100
 39 60.3 60.2 90.2
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 61.997 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045723.D
 Acq: 11 Apr 2025 07:51

Tgt Ion: 43 Resp: 30634
 Ion Ratio Lower Upper
 43 100
 58 28.0 22.3 33.5

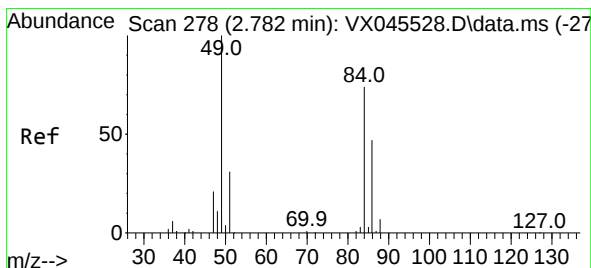
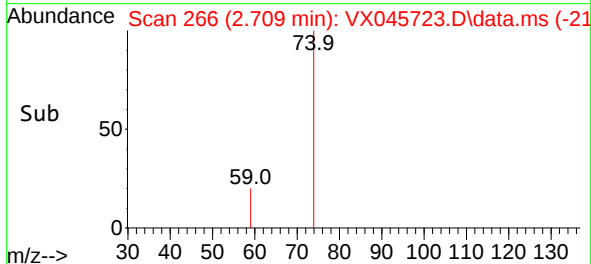
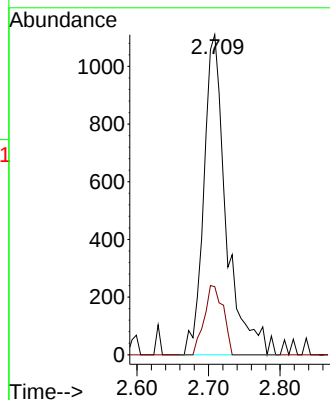
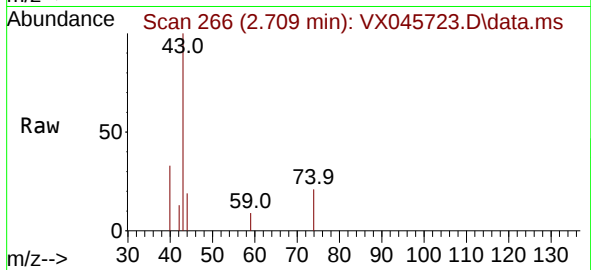




#18
Methyl Acetate
Concen: 2.130 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

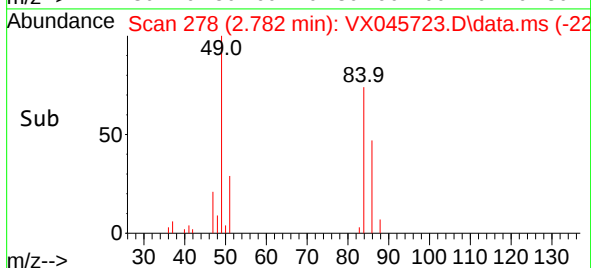
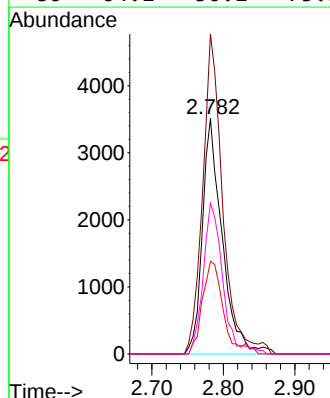
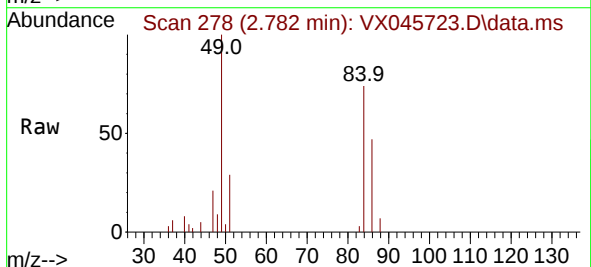
Instrument :
MSVOA_X
ClientSampleId :
TP-1

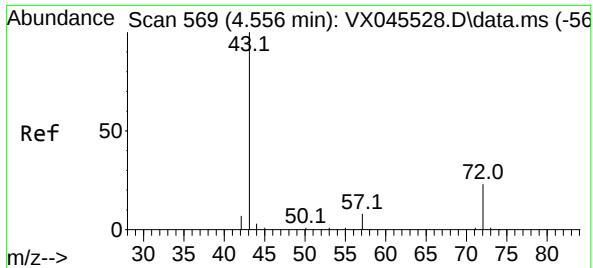
Tgt Ion: 43 Resp: 2423
Ion Ratio Lower Upper
43 100
74 18.2 17.5 26.3



#20
Methylene Chloride
Concen: 7.298 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion: 84 Resp: 6751
Ion Ratio Lower Upper
84 100
49 135.9 107.5 161.3
51 39.4 33.0 49.6
86 64.1 50.1 75.1





#25

2-Butanone

Concen: 5.810 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.036 min

Lab File: VX045723.D

Acq: 11 Apr 2025 07:51

Instrument :

MSVOA_X

ClientSampleId :

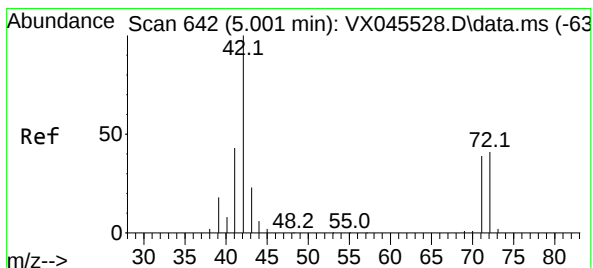
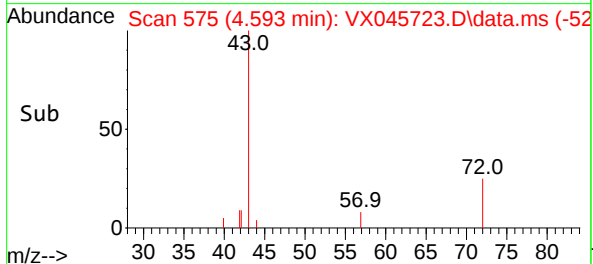
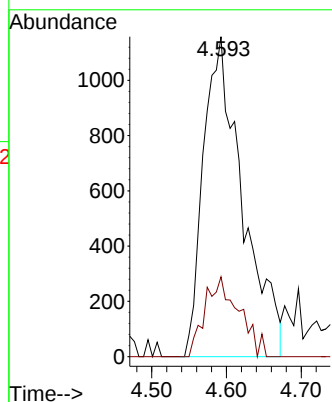
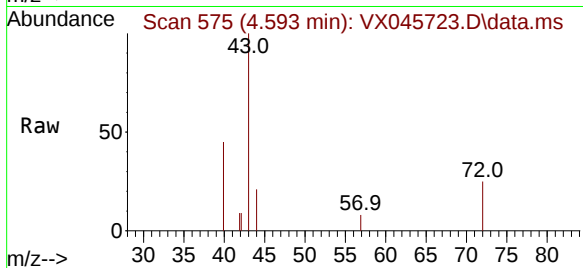
TP-1

Tgt Ion: 43 Resp: 4202

Ion Ratio Lower Upper

43 100

72 25.0 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.273 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.043 min

Lab File: VX045723.D

Acq: 11 Apr 2025 07:51

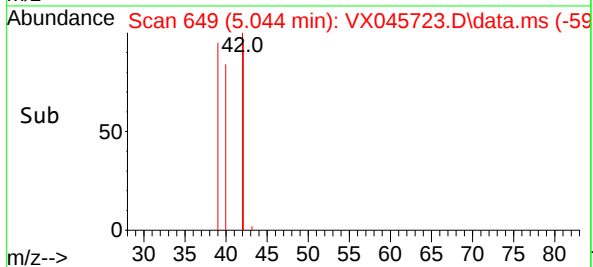
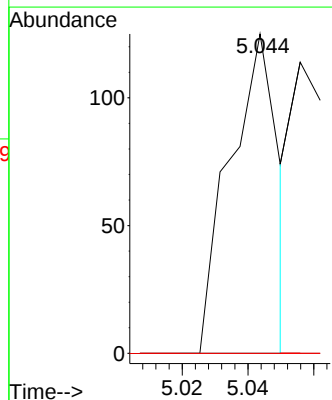
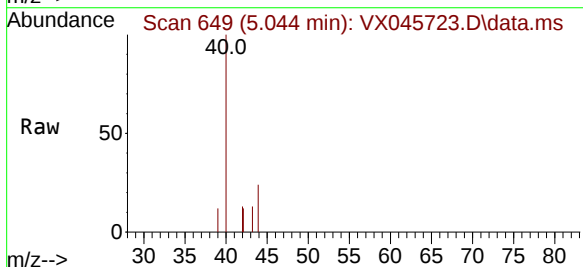
Tgt Ion: 42 Resp: 128

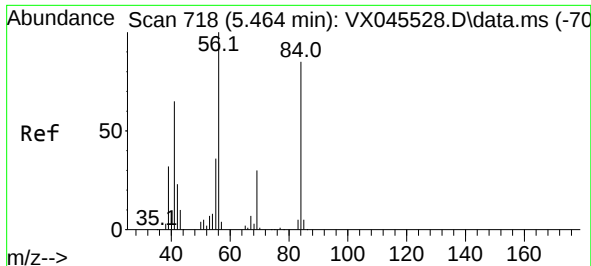
Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#

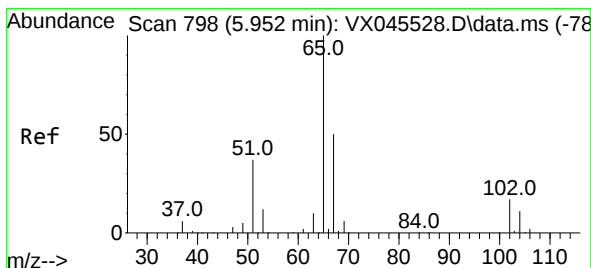
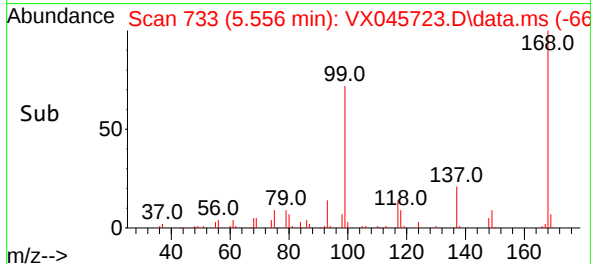
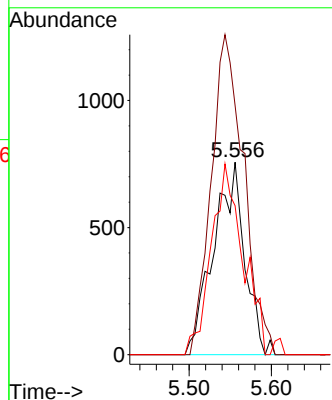
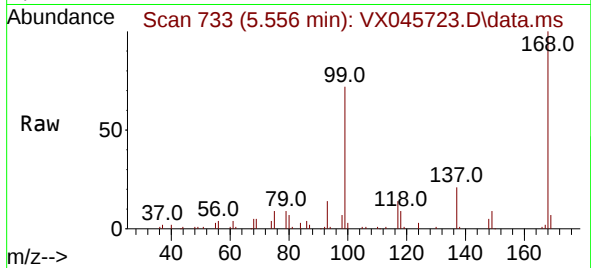




#31
Cyclohexane
Concen: 1.356 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

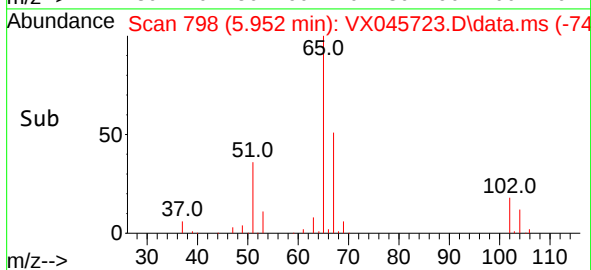
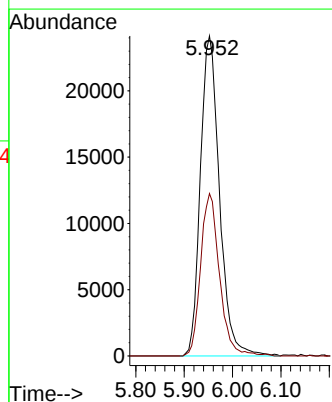
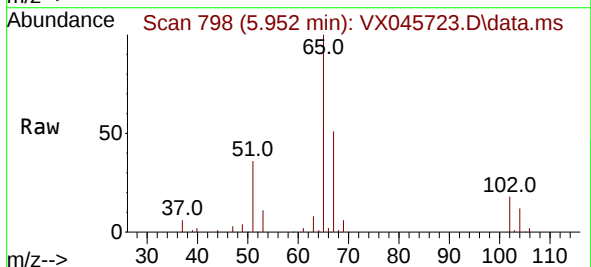
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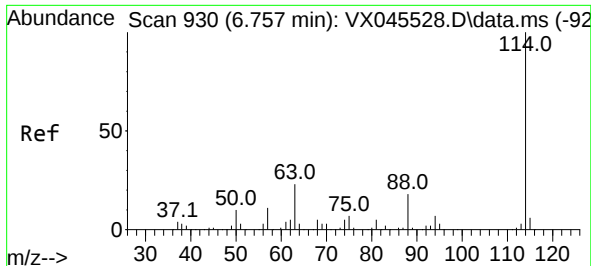
Tgt Ion: 56 Resp: 2002
Ion Ratio Lower Upper
56 100
69 129.6 23.6 35.4#
84 77.4 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.082 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion: 65 Resp: 66282
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.0

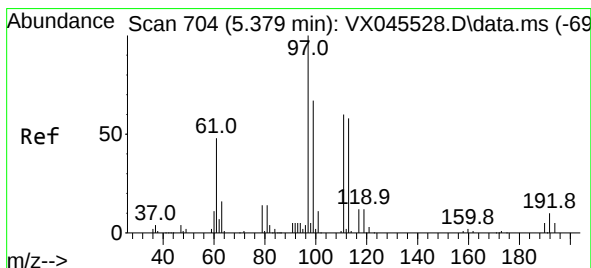
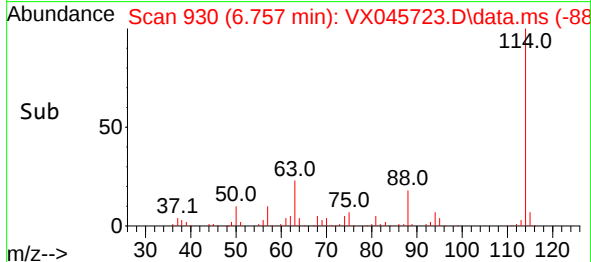
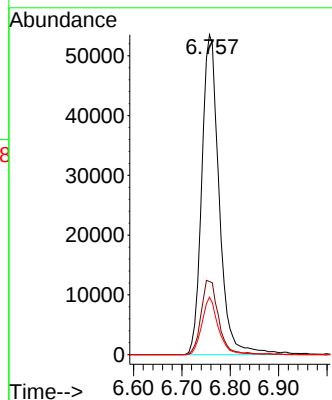
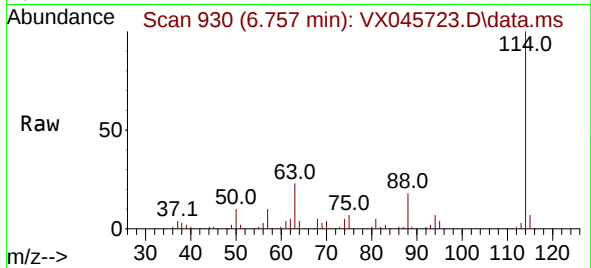




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

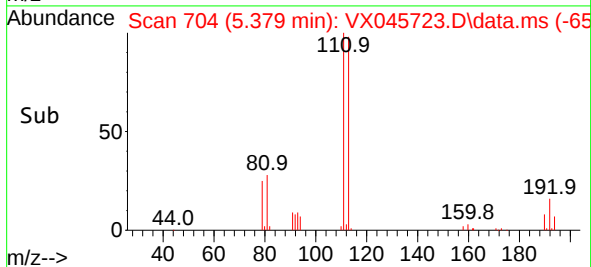
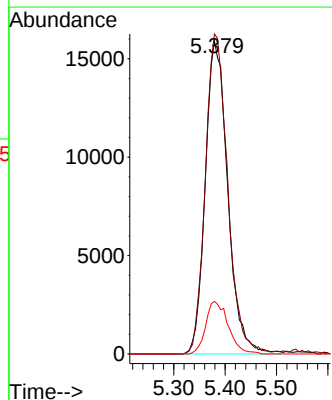
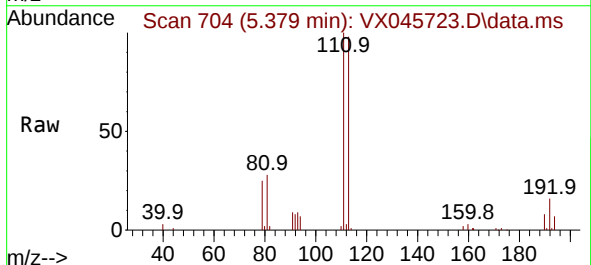
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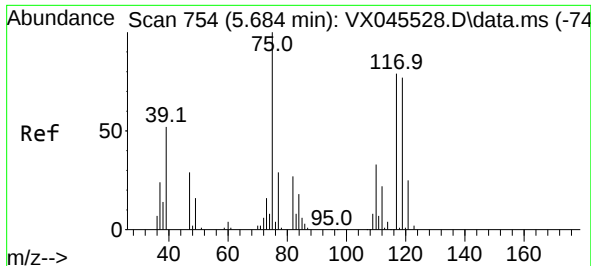
Tgt Ion:114 Resp: 133634
Ion Ratio Lower Upper
114 100
63 22.9 0.0 46.8
88 18.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.906 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion:113 Resp: 48266
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 16.8 13.8 20.6

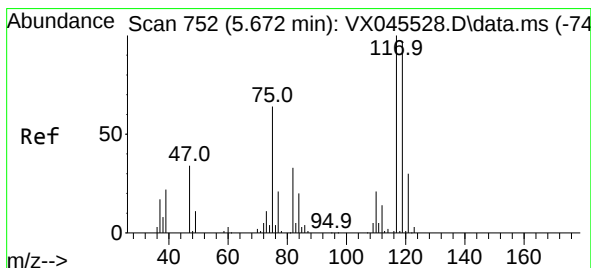
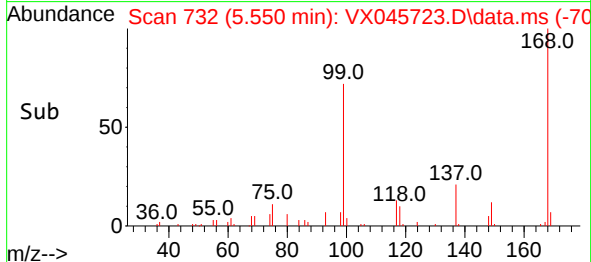
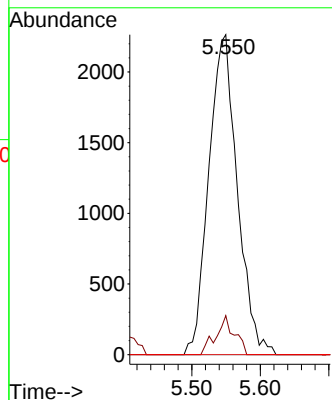
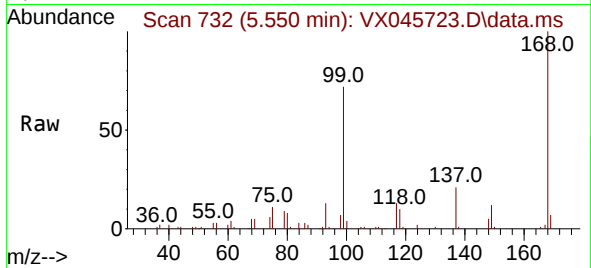




#36
1,1-Dichloropropene
Concen: 5.121 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

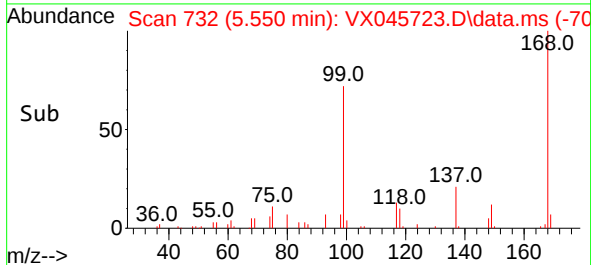
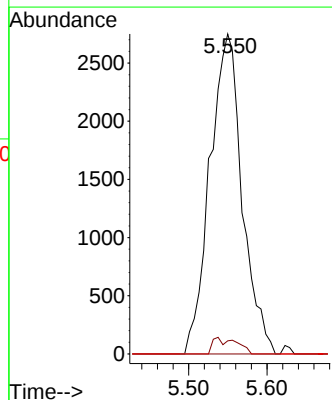
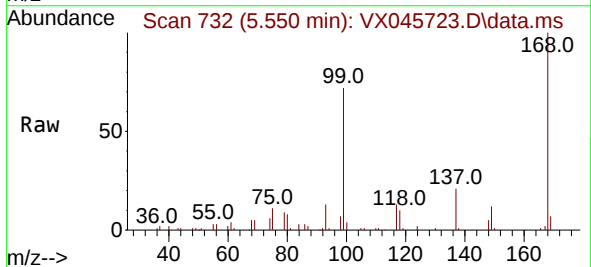
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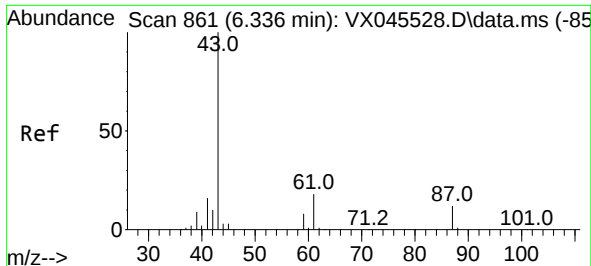
Tgt Ion: 75 Resp: 6556
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.688 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion: 117 Resp: 7870
Ion Ratio Lower Upper
117 100
119 4.1 76.9 115.3#
121 0.0 24.2 36.2#

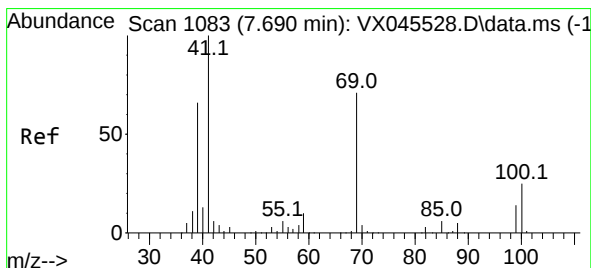
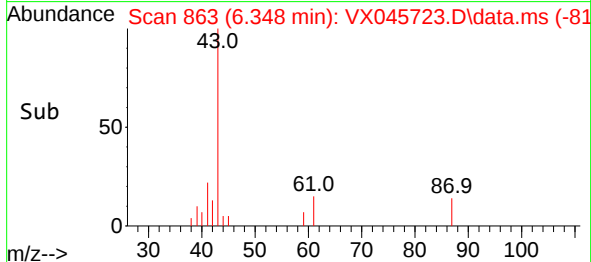
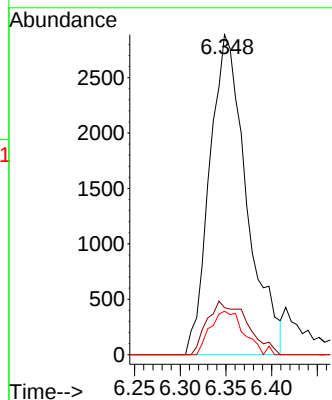
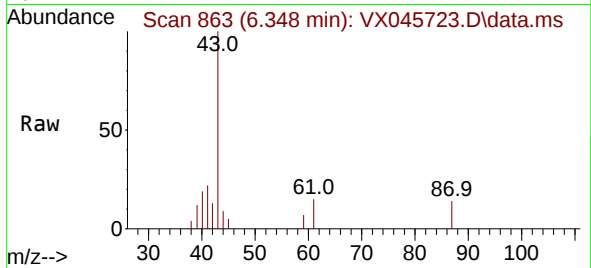




#43
Isopropyl Acetate
Concen: 3.320 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

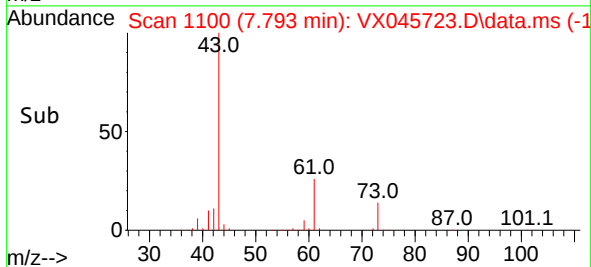
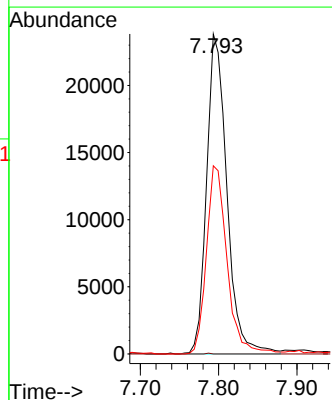
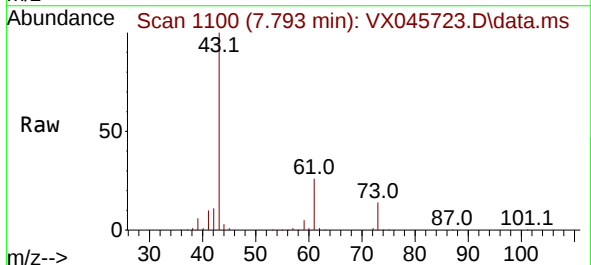
Instrument :
MSVOA_X
ClientSampleId :
TP-1

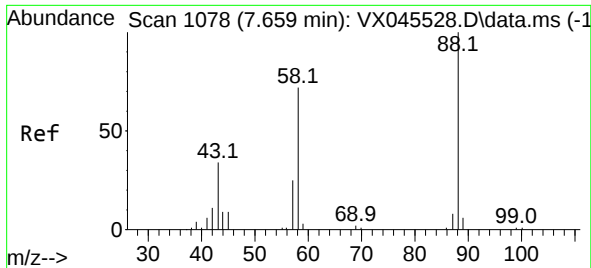
Tgt Ion: 43 Resp: 8118
Ion Ratio Lower Upper
43 100
61 18.1 14.1 21.1
87 12.5 9.2 13.8



#48
Methyl methacrylate
Concen: 33.907 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion: 41 Resp: 42806
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 59.8 53.6 80.4

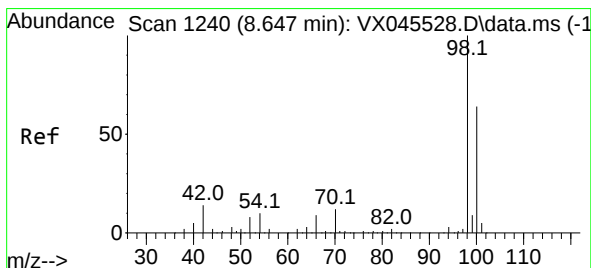
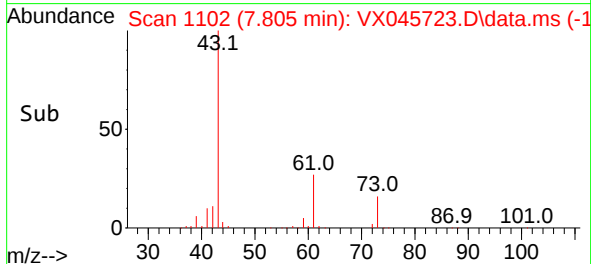
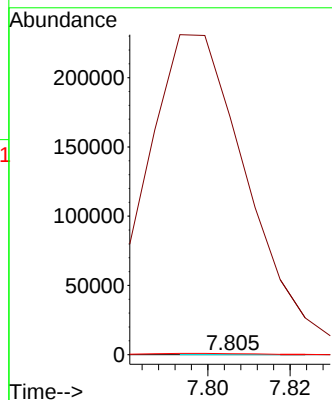
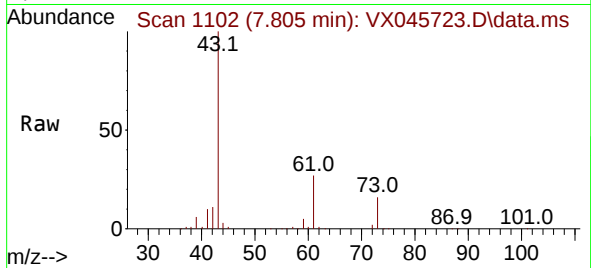




#49
1,4-Dioxane
Concen: 0.963 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

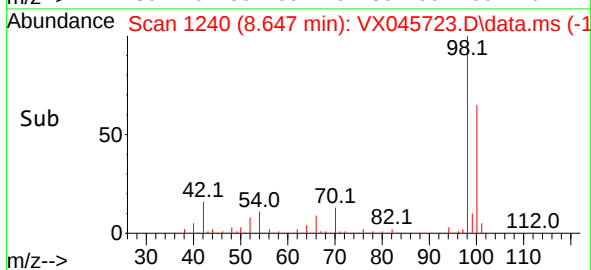
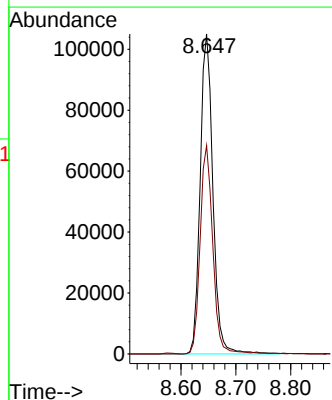
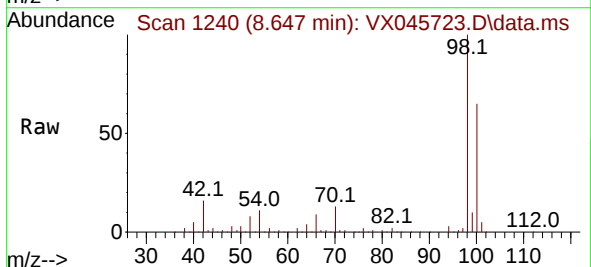
Instrument :
MSVOA_X
ClientSampleId :
TP-1

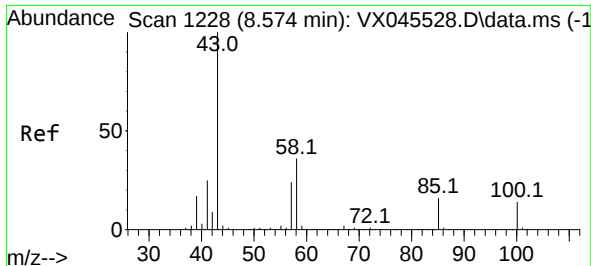
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 1909981.8 32.2 48.4#
58 8095.5 58.6 88.0#



#50
Toluene-d8
Concen: 51.301 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion: 98 Resp: 169772
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4

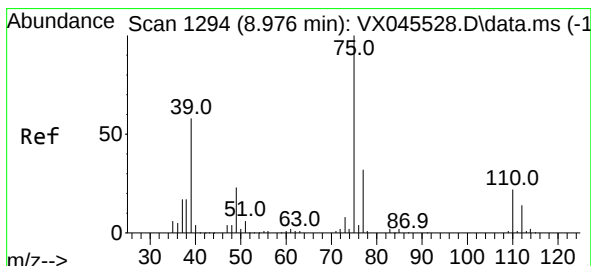
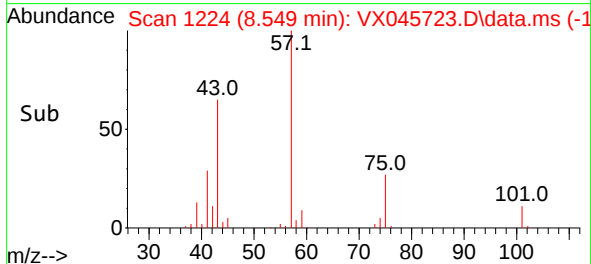
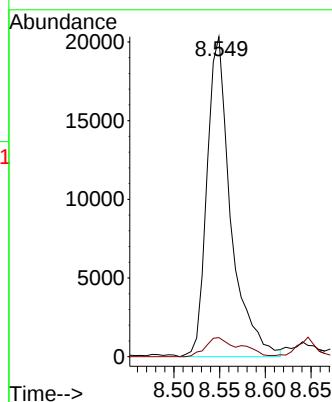
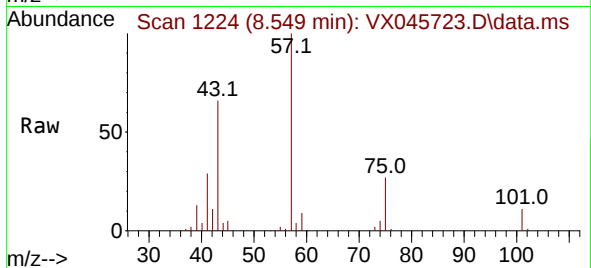




#51
4-Methyl-2-Pentanone
Concen: 22.641 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

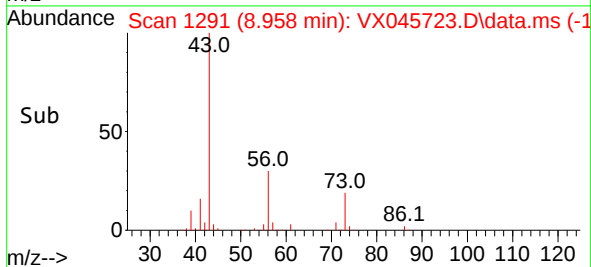
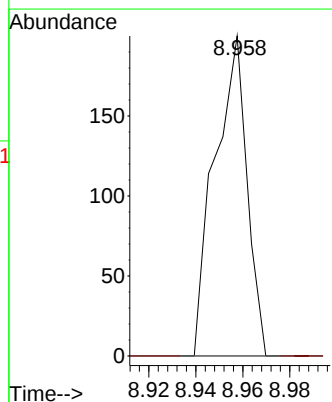
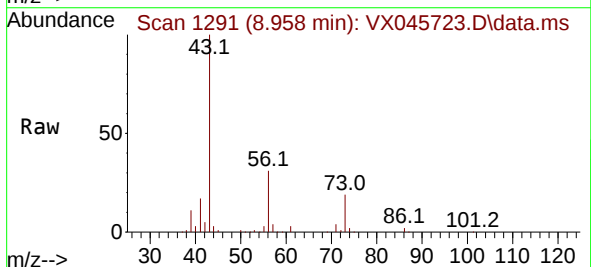
Instrument :
MSVOA_X
ClientSampleId :
TP-1

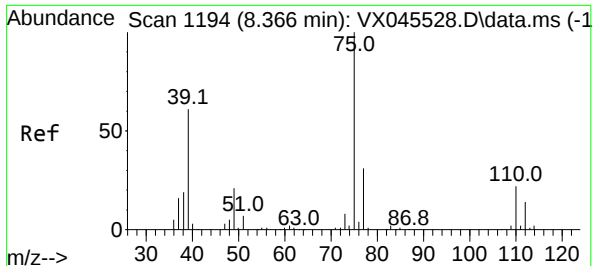
Tgt Ion: 43 Resp: 36700
Ion Ratio Lower Upper
43 100
58 8.6 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.416 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion: 75 Resp: 191
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

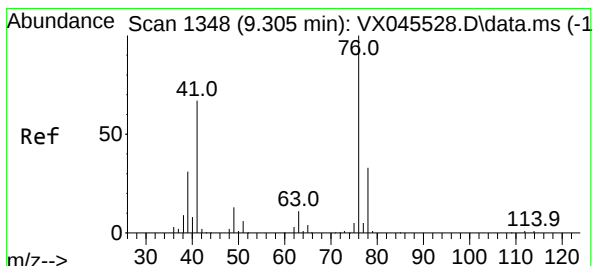
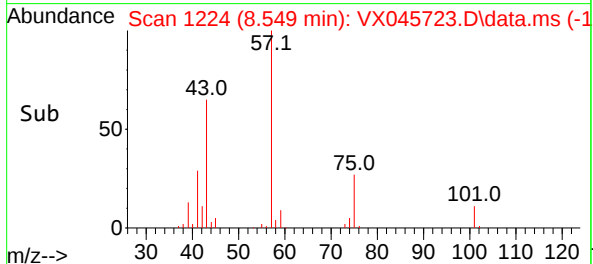
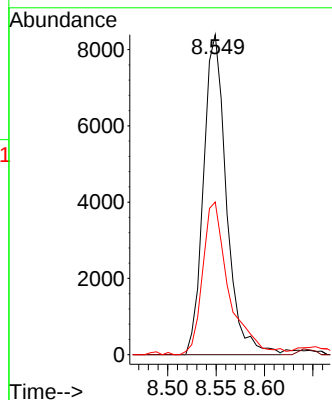
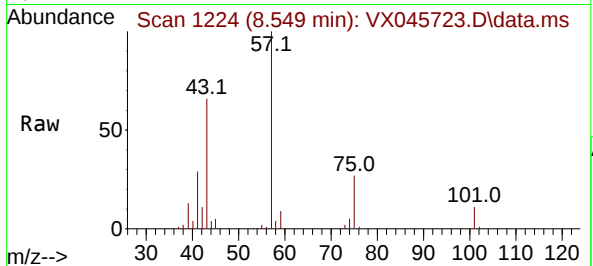




#54
 cis-1,3-Dichloropropene
 Concen: 9.873 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045723.D
 Acq: 11 Apr 2025 07:51

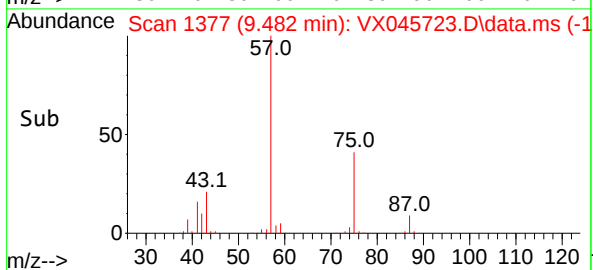
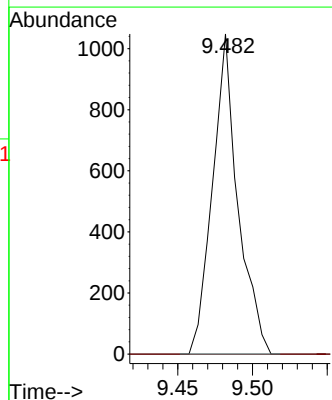
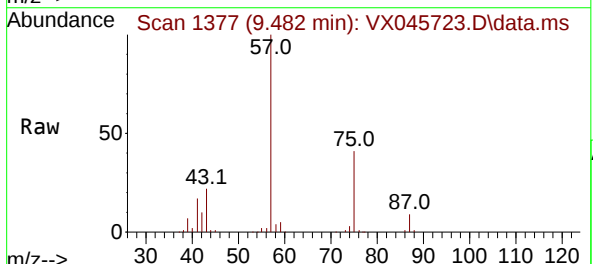
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

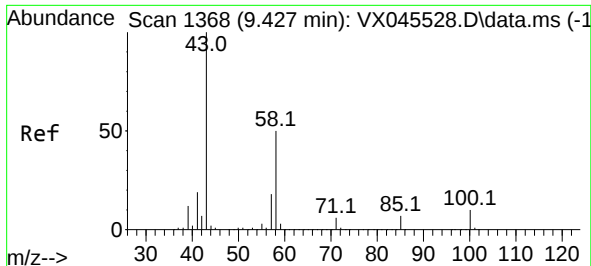
Tgt Ion: 75 Resp: 13875
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 47.7 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.754 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045723.D
 Acq: 11 Apr 2025 07:51

Tgt Ion: 76 Resp: 1237
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

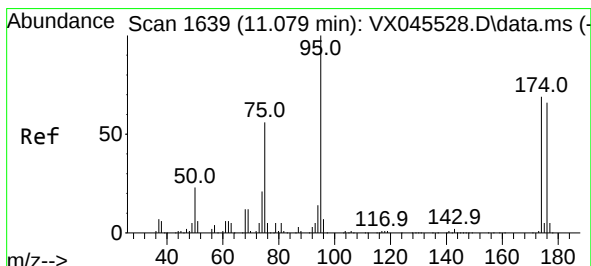
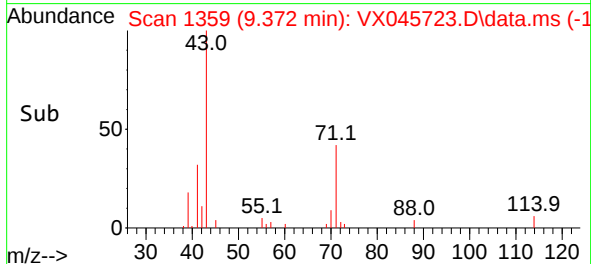
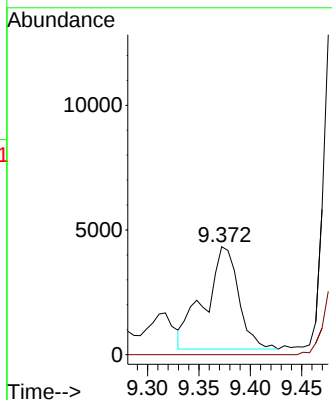
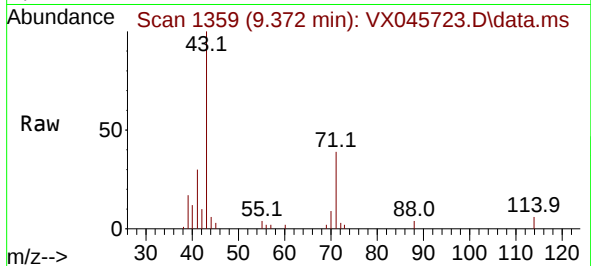




#59
2-Hexanone
Concen: 7.831 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

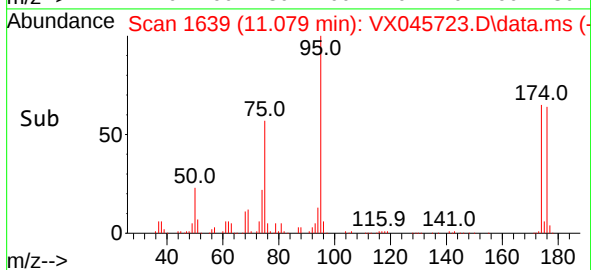
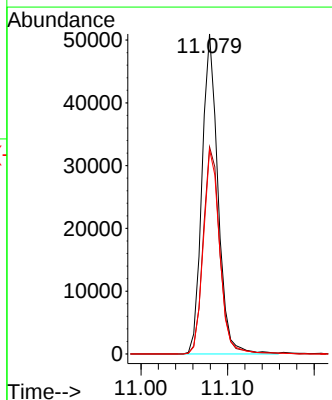
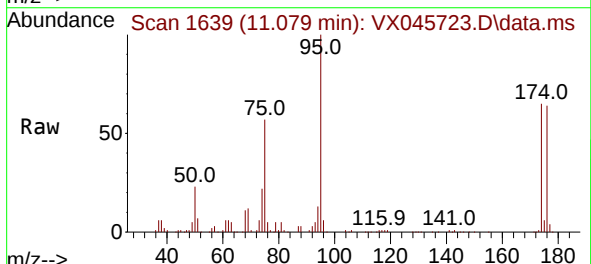
Instrument :
MSVOA_X
ClientSampleId :
TP-1

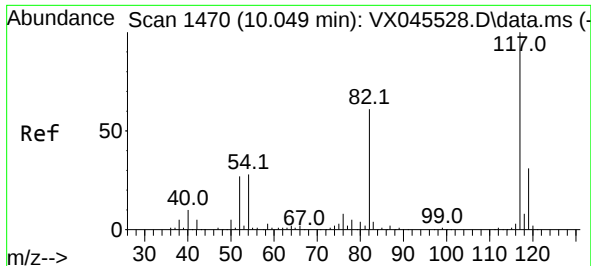
Tgt Ion: 43 Resp: 9400
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 54.100 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion: 95 Resp: 65214
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 65.6 0.0 131.4

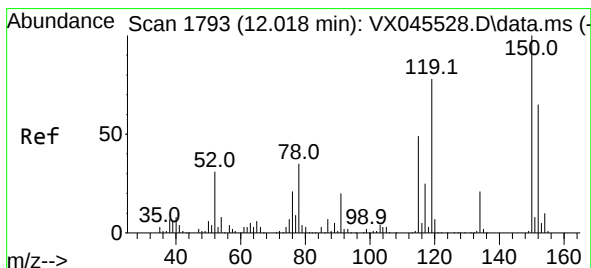
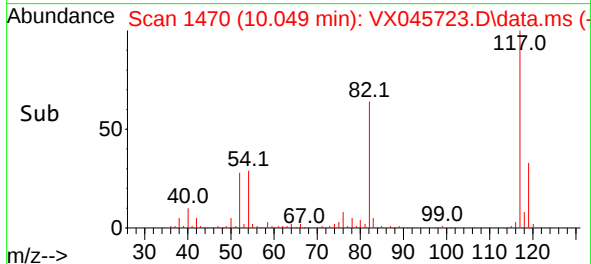
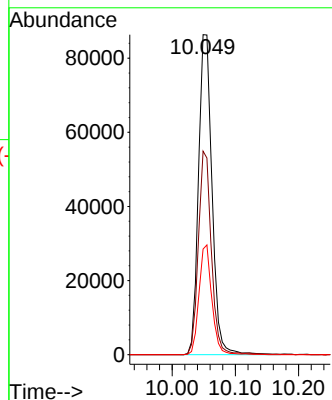
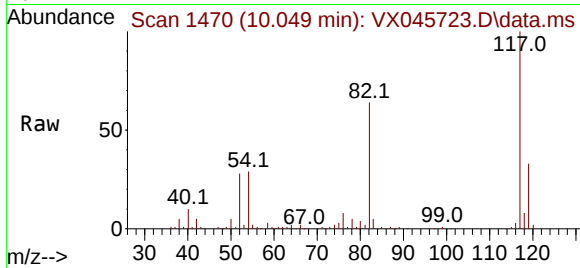




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

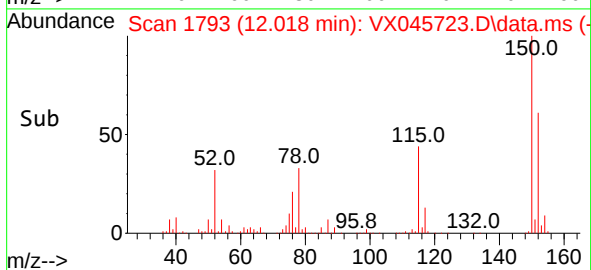
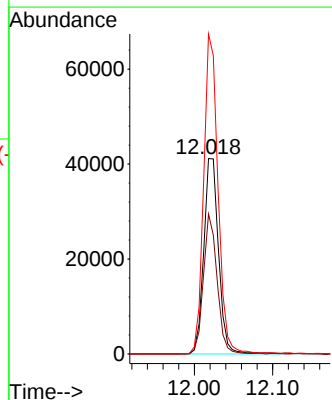
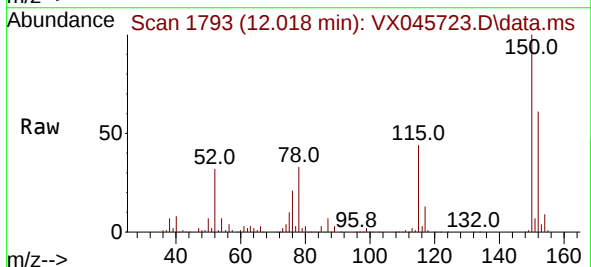
Instrument :
MSVOA_X
ClientSampleId :
TP-1

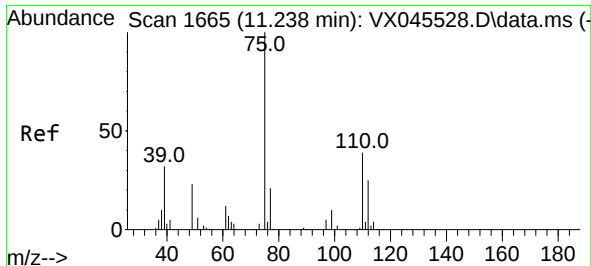
Tgt Ion:117 Resp: 128911
Ion Ratio Lower Upper
117 100
82 63.6 49.2 73.8
119 33.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion:152 Resp: 53970
Ion Ratio Lower Upper
152 100
115 66.3 46.9 140.7
150 159.0 0.0 349.4

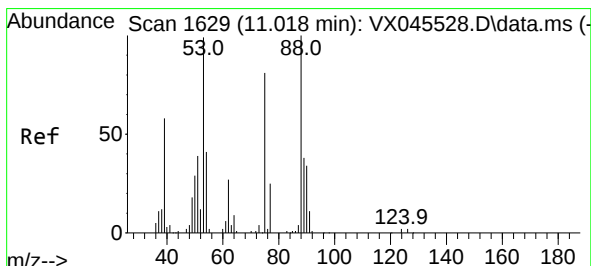
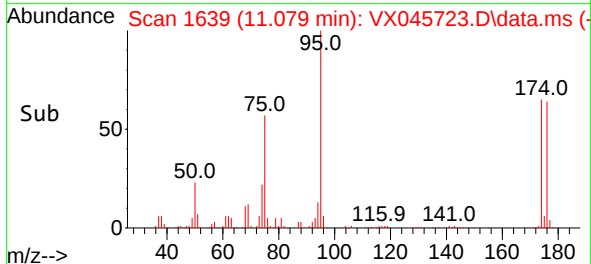
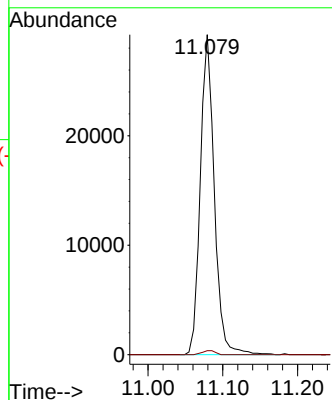
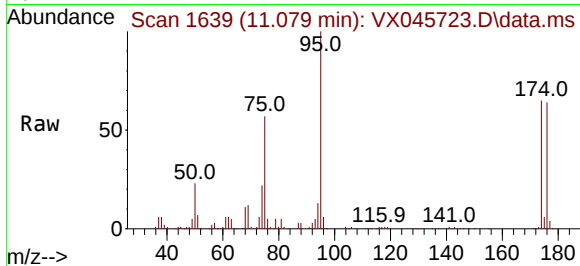




#76
1,2,3-Trichloropropane
Concen: 28.833 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Instrument :
MSVOA_X
ClientSampleId :
TP-1

Tgt Ion: 75 Resp: 37957
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.855 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045723.D
Acq: 11 Apr 2025 07:51

Tgt Ion: 75 Resp: 37957
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#

