

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046972.D
 Acq On : 14 Jul 2025 14:41
 Operator : JC/MD
 Sample : Q2565-03
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MOO-25-0191

Quant Time: Jul 15 01:21:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

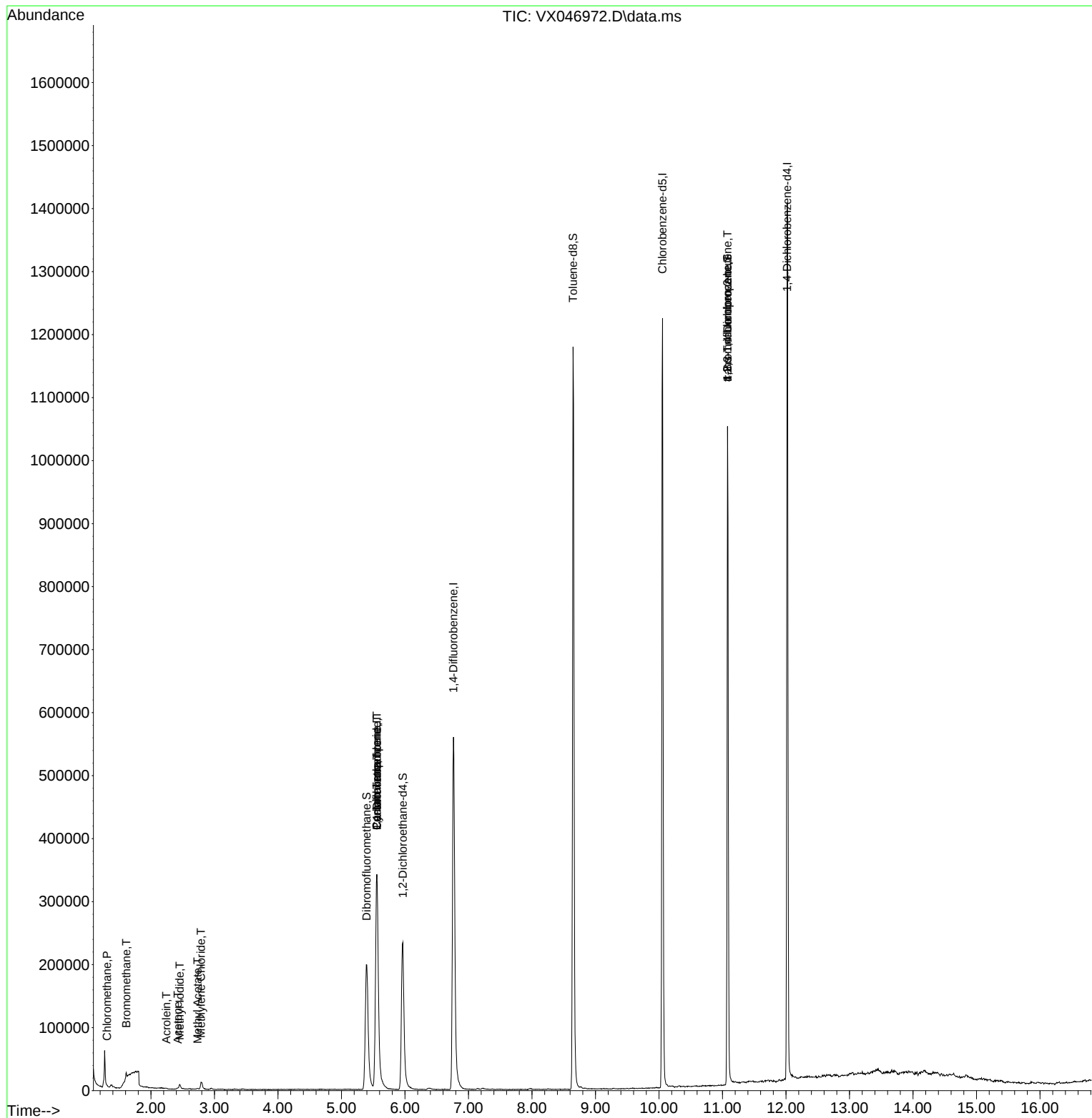
Internal Standards						
1) Pentafluorobenzene	5.556	168	358964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	624737	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	569632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	288479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	253193	53.391	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.780%	
35) Dibromofluoromethane	5.397	113	199063	46.941	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.880%	
50) Toluene-d8	8.647	98	728002	48.656	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.320%	
62) 4-Bromofluorobenzene	11.079	95	293489	51.612	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.220%	
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	1174	0.313	ug/l	96
5) Bromomethane	1.612	94	4539	1.730	ug/l	81
10) Methyl Iodide	2.453	142	8890	2.028	ug/l	94
13) Acrolein	2.240	56	48	2.973	ug/l #	1
16) Acetone	2.422	43	2658	1.804	ug/l #	42
18) Methyl Acetate	2.733	43	2416	0.622	ug/l #	90
20) Methylene Chloride	2.788	84	6887	1.581	ug/l #	82
31) Cyclohexane	5.556	56	7691	1.135	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	29086	5.083	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38160	6.308	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	146984	32.975	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	146984	88.489	ug/l #	8

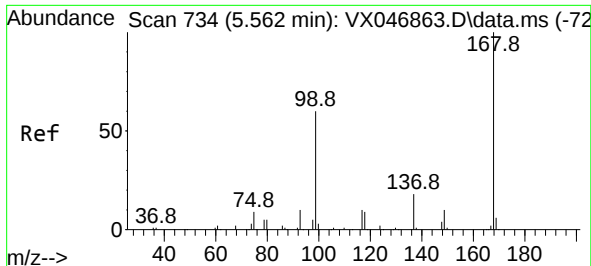
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

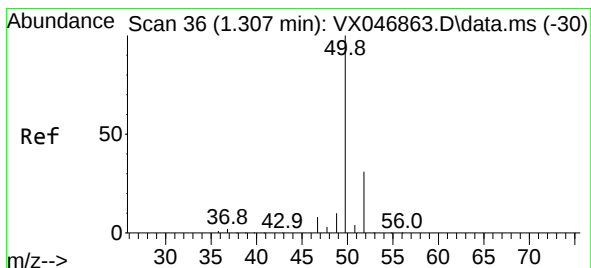
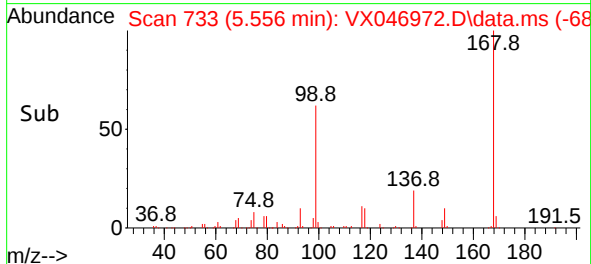
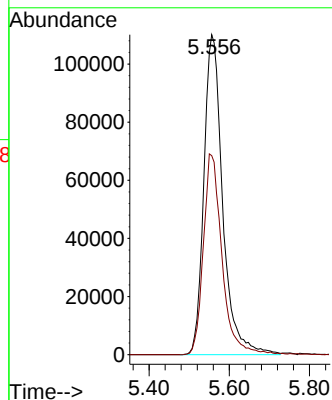
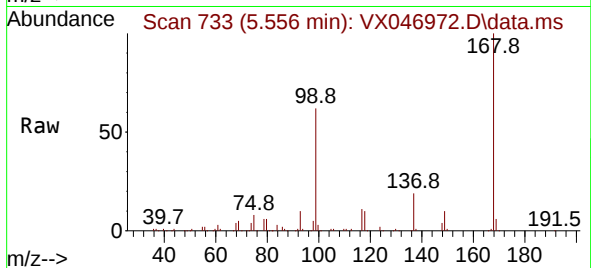




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

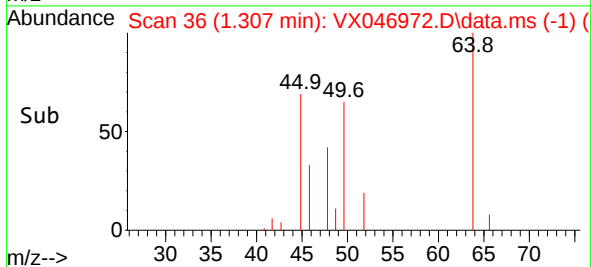
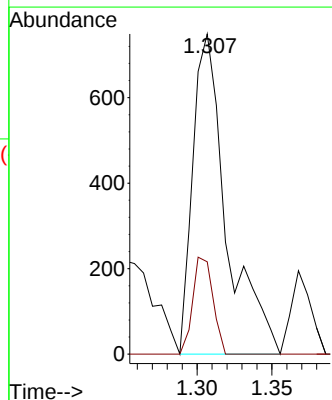
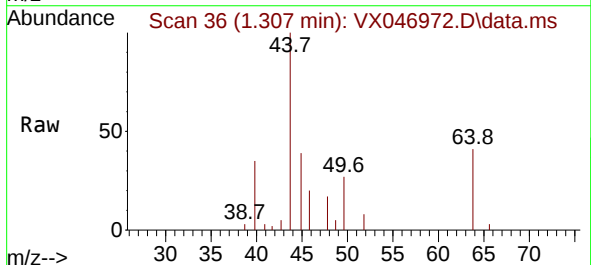
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0191

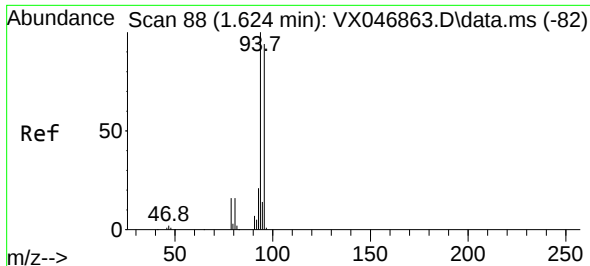
Tgt Ion:168 Resp: 358964
Ion Ratio Lower Upper
168 100
99 62.2 48.8 73.2



#3
Chloromethane
Concen: 0.313 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

Tgt Ion: 50 Resp: 1174
Ion Ratio Lower Upper
50 100
52 28.8 25.0 37.4

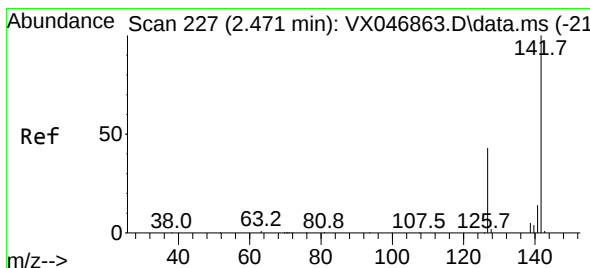
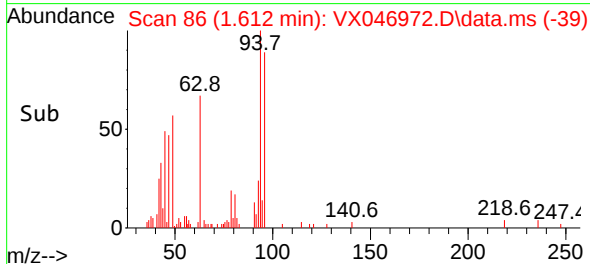
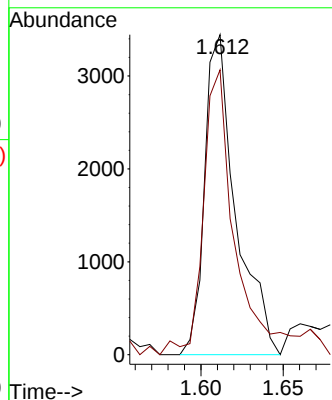
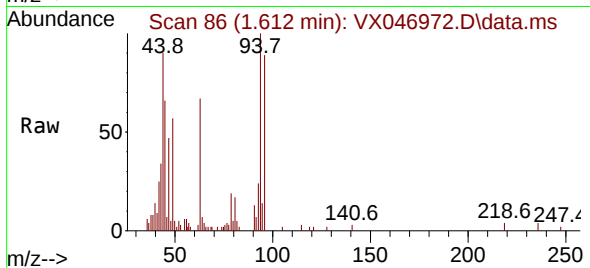




#5
Bromomethane
Concen: 1.730 ug/l
RT: 1.612 min Scan# 80
Delta R.T. -0.012 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

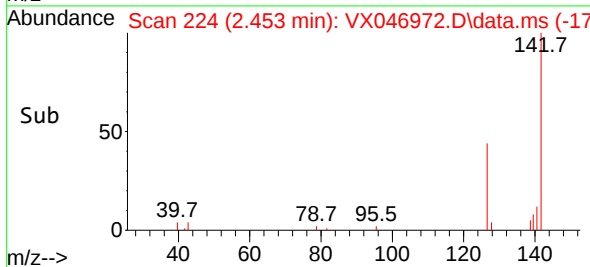
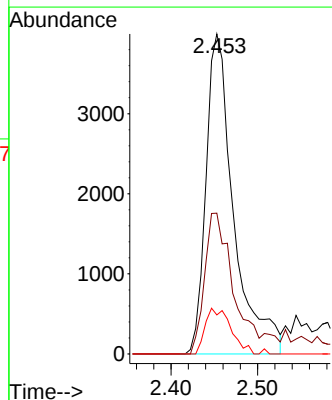
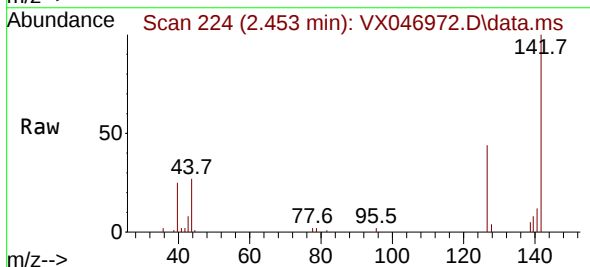
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0191

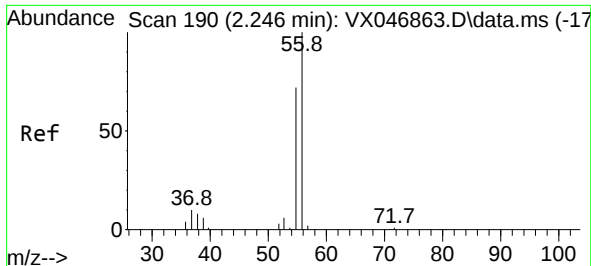
Tgt Ion: 94 Resp: 4539
Ion Ratio Lower Upper
94 100
96 75.7 75.5 113.3



#10
Methyl Iodide
Concen: 2.028 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.018 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

Tgt Ion: 142 Resp: 8890
Ion Ratio Lower Upper
142 100
127 48.6 34.9 52.3
141 13.2 11.1 16.7

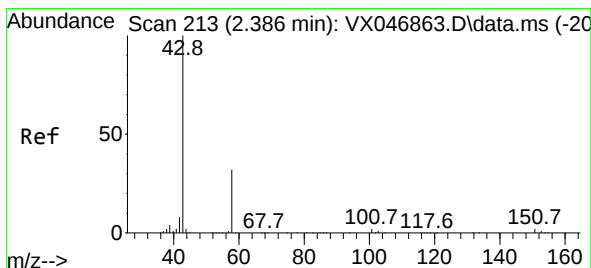
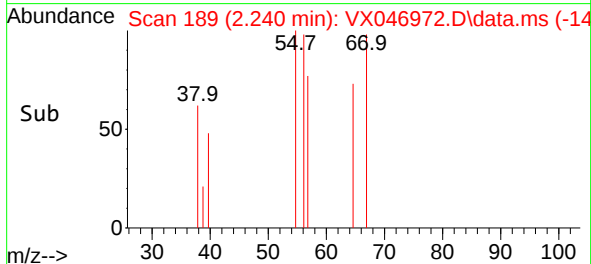
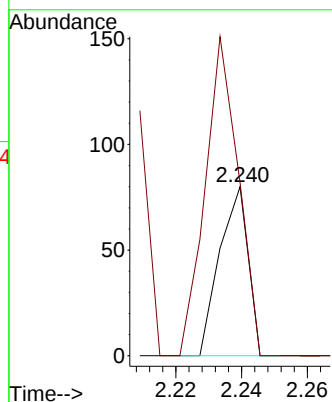
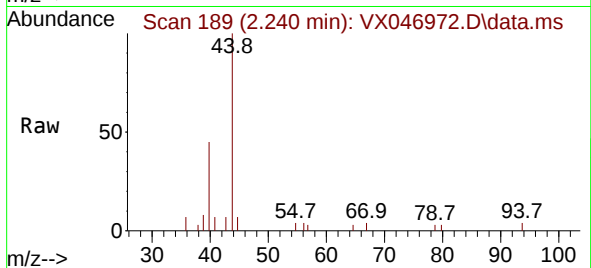




#13
Acrolein
Concen: 2.973 ug/l
RT: 2.240 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

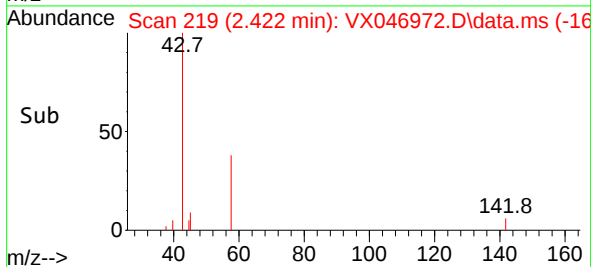
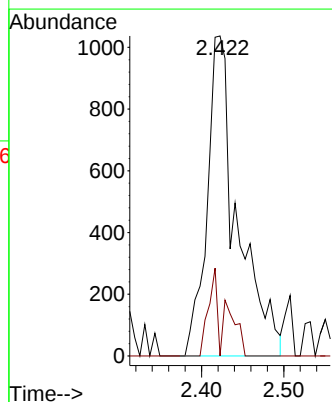
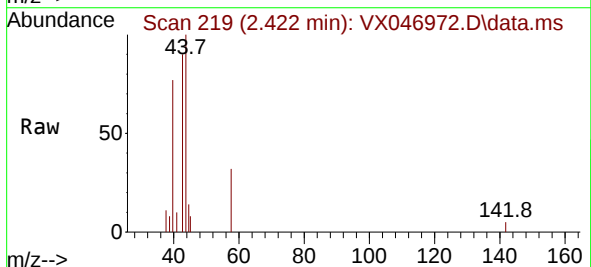
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0191

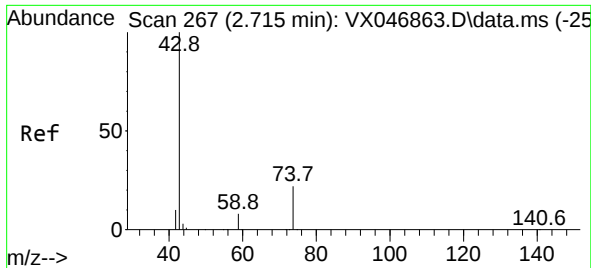
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 218.8 55.5 83.3#



#16
Acetone
Concen: 1.804 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.037 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

Tgt Ion: 43 Resp: 2658
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#

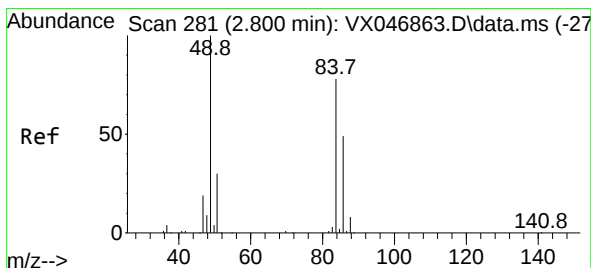
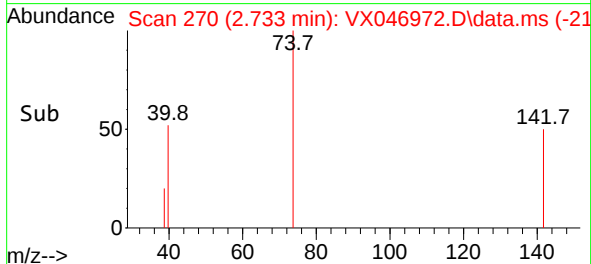
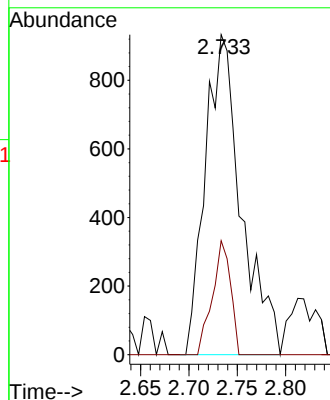
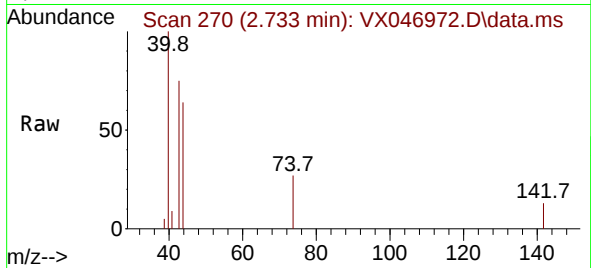




#18
Methyl Acetate
Concen: 0.622 ug/l
RT: 2.733 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

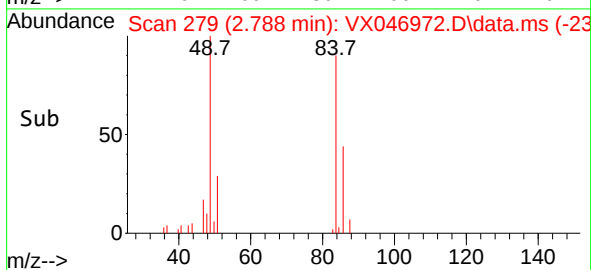
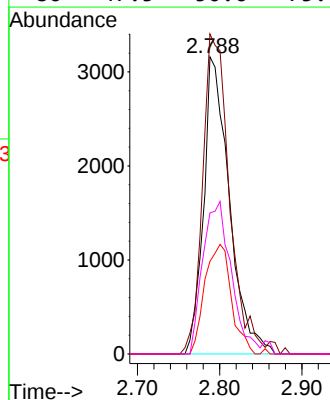
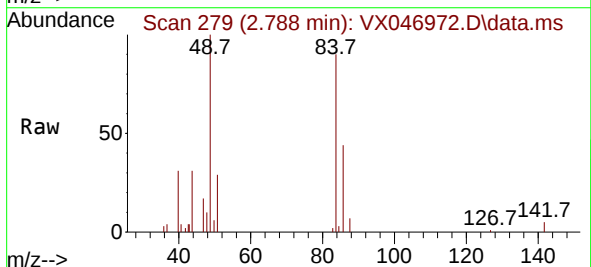
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0191

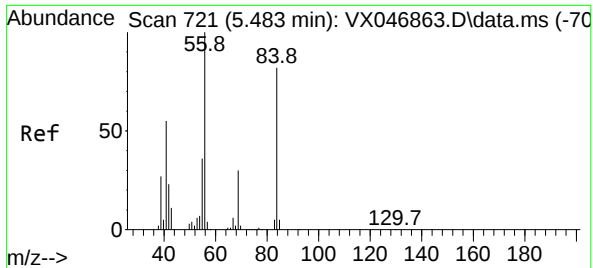
Tgt Ion: 43 Resp: 2416
Ion Ratio Lower Upper
43 100
74 17.9 18.3 27.5#



#20
Methylene Chloride
Concen: 1.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.012 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

Tgt Ion: 84 Resp: 6887
Ion Ratio Lower Upper
84 100
49 107.7 102.8 154.2
51 31.2 31.1 46.7
86 47.5 50.6 75.8#

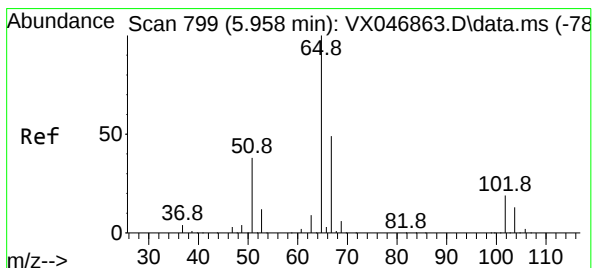
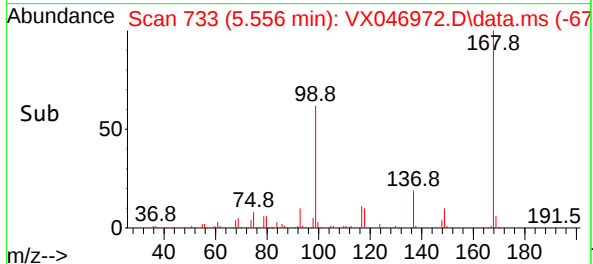
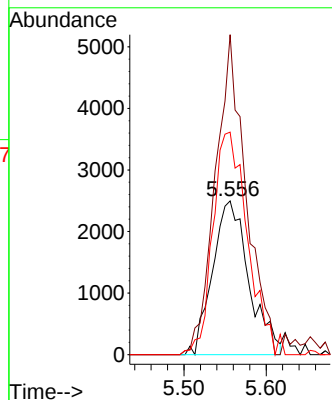
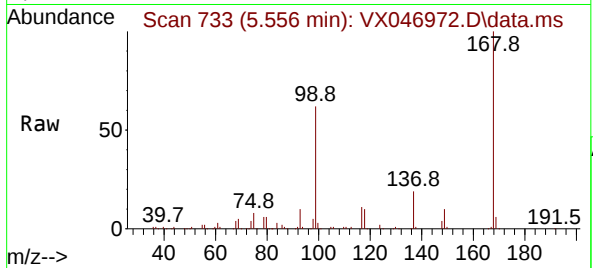




#31
Cyclohexane
Concen: 1.135 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

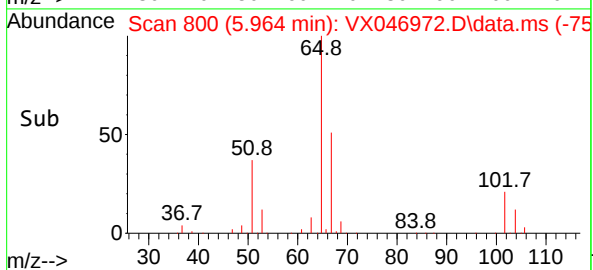
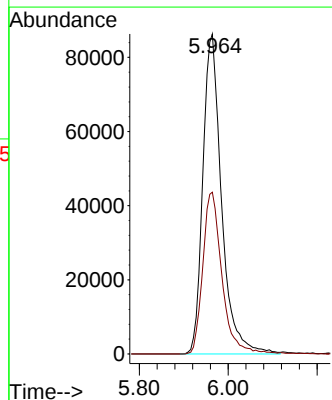
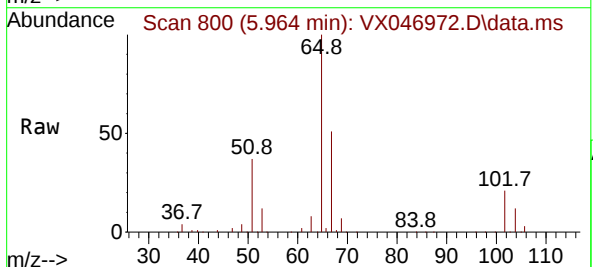
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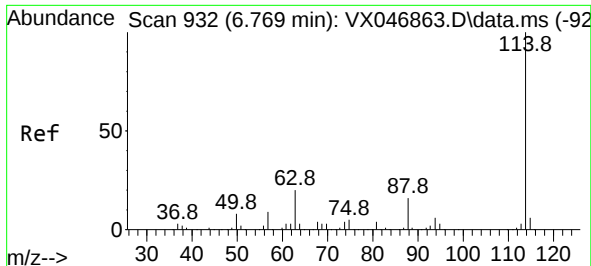
Tgt Ion: 56 Resp: 7691
Ion Ratio Lower Upper
56 100
69 208.2 24.0 36.0#
84 144.8 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 53.391 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

Tgt Ion: 65 Resp: 253193
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.2

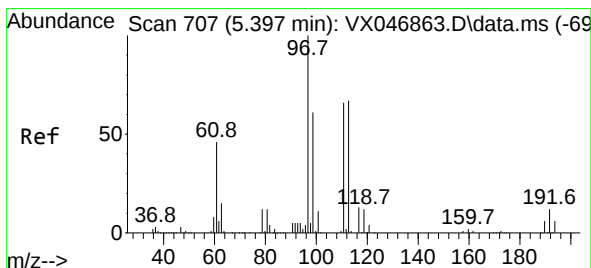
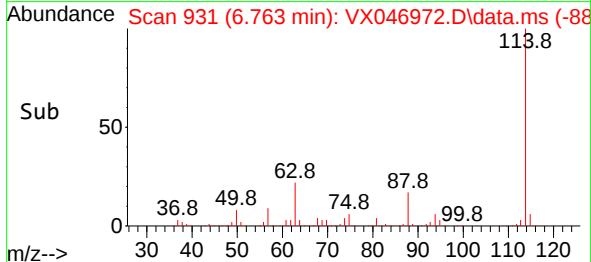
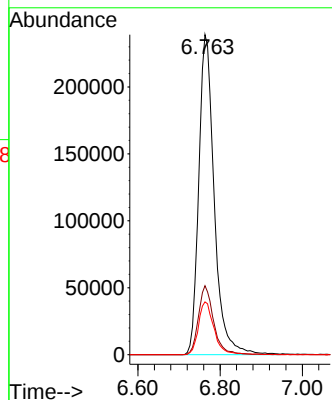
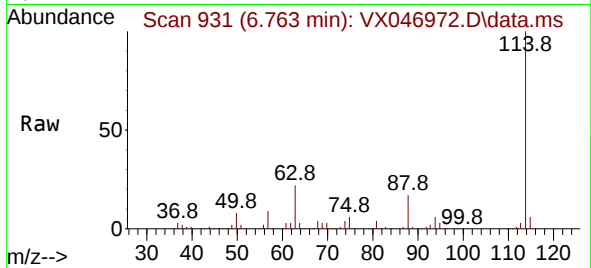




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

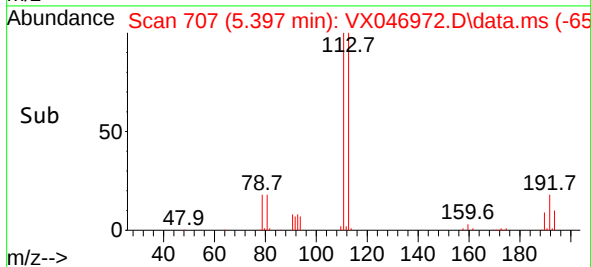
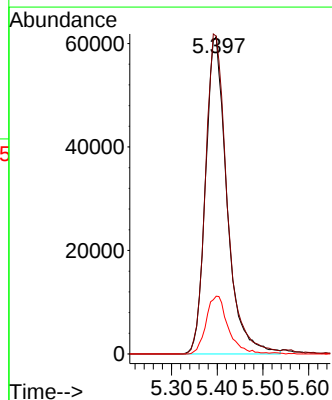
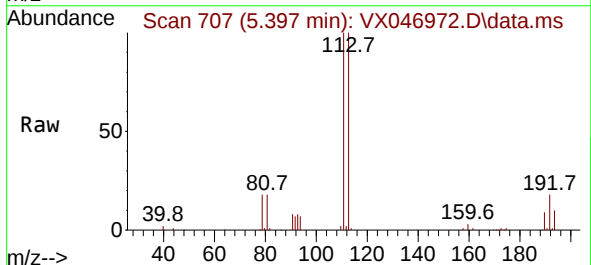
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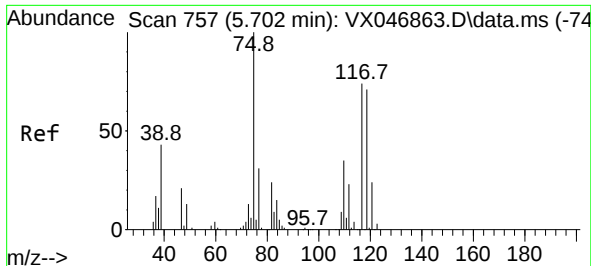
Tgt Ion:114 Resp: 624737
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.4
88 16.5 0.0 31.0



#35
Dibromofluoromethane
Concen: 46.941 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

Tgt Ion:113 Resp: 199063
Ion Ratio Lower Upper
113 100
111 102.0 81.2 121.8
192 18.8 15.3 22.9

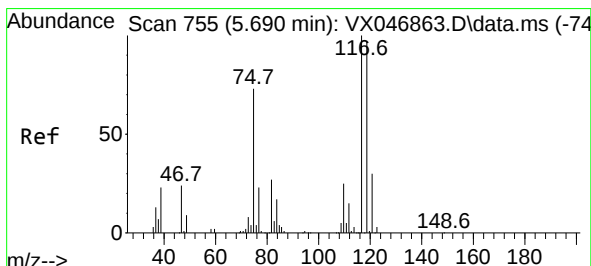
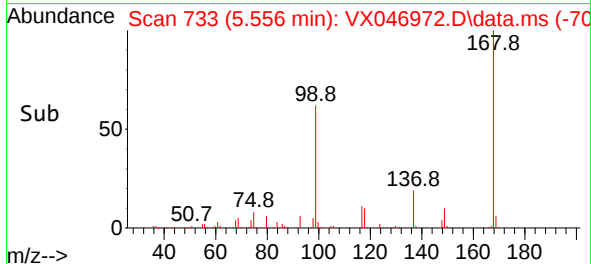
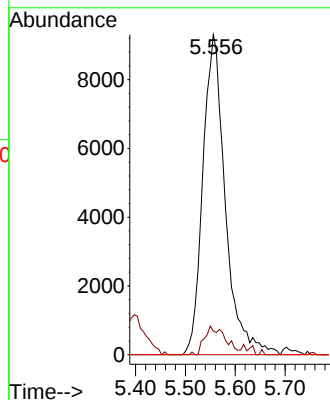
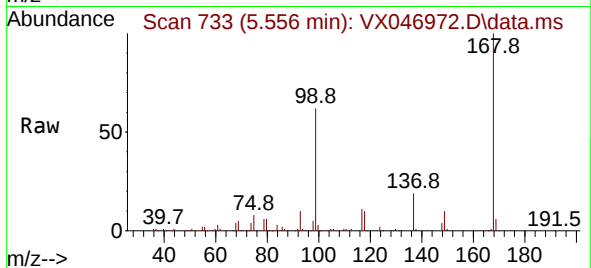




#36
1,1-Dichloropropene
Concen: 5.083 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

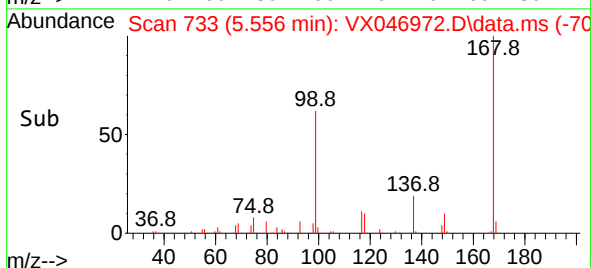
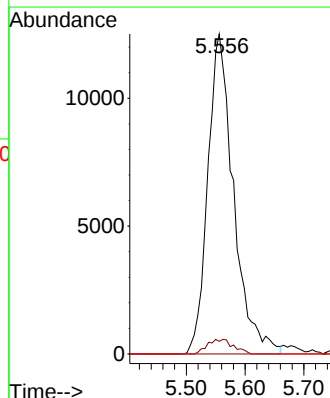
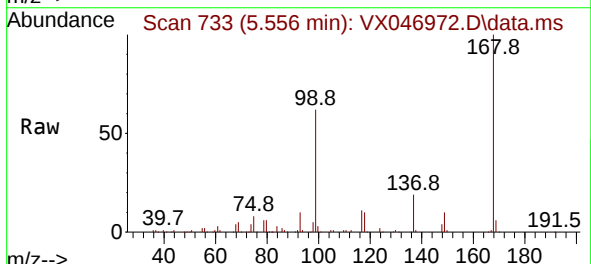
Instrument :
MSVOA_X
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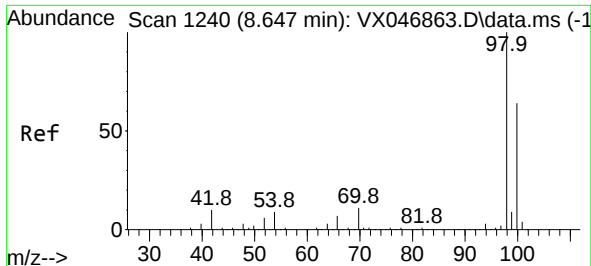
Tgt Ion: 75 Resp: 29086
Ion Ratio Lower Upper
75 100
110 8.2 17.3 51.9#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.308 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

Tgt Ion: 117 Resp: 38160
Ion Ratio Lower Upper
117 100
119 3.9 76.6 114.8#
121 0.0 24.1 36.1#

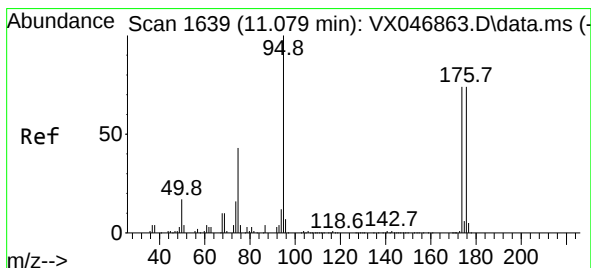
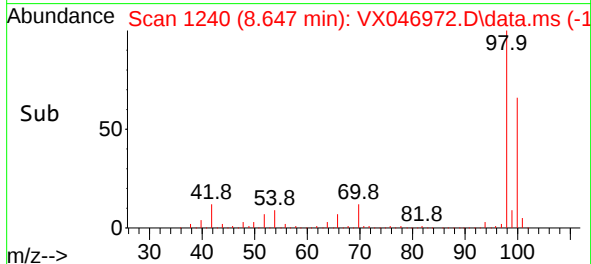
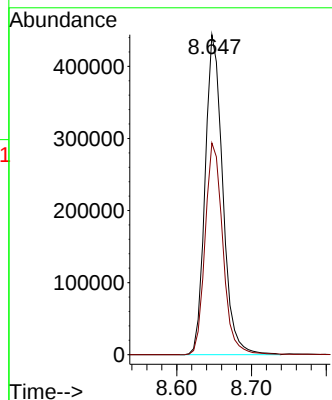
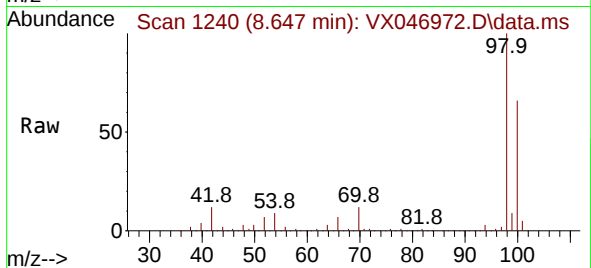




#50
Toluene-d8
Concen: 48.656 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

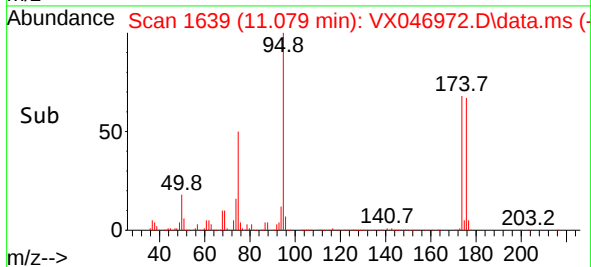
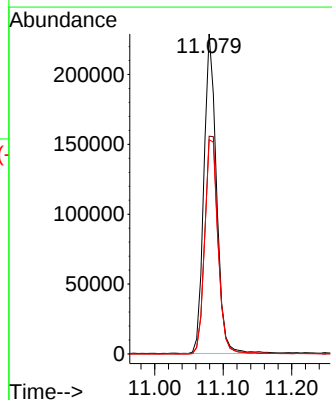
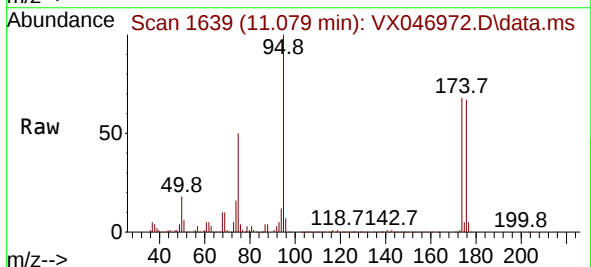
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0191

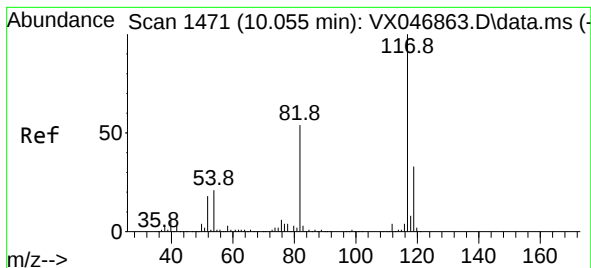
Tgt Ion: 98 Resp: 728002
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 51.612 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

Tgt Ion: 95 Resp: 293489
Ion Ratio Lower Upper
95 100
174 72.6 0.0 152.0
176 71.1 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX046972.D

Acq: 14 Jul 2025 14:41

Instrument :

MSVOA_X

ClientSampleId :

MOO-25-0191

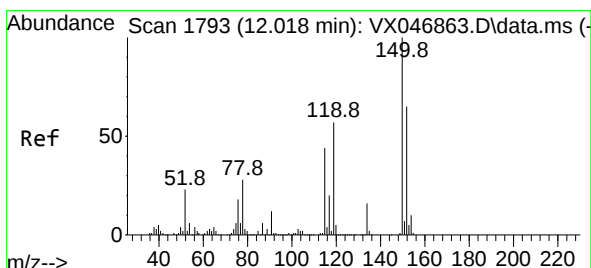
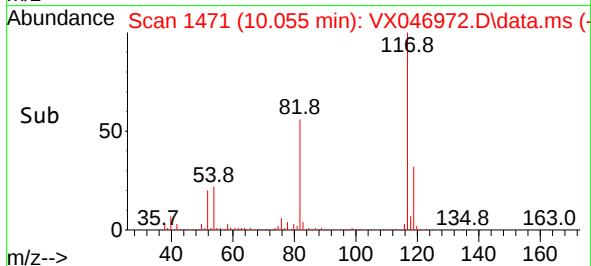
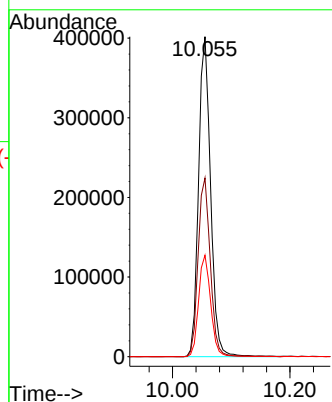
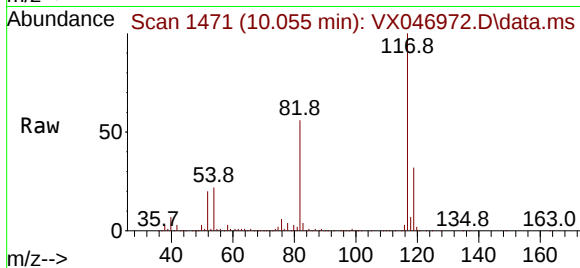
Tgt Ion:117 Resp: 569632

Ion Ratio Lower Upper

117 100

82 55.8 43.3 64.9

119 31.7 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046972.D

Acq: 14 Jul 2025 14:41

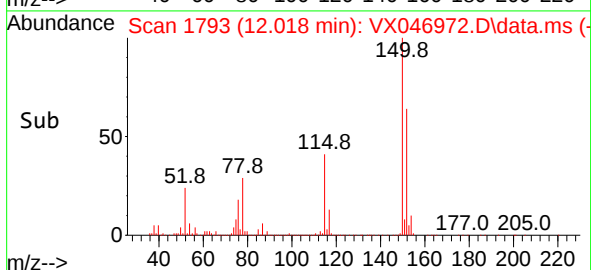
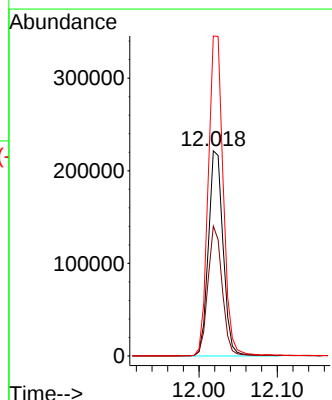
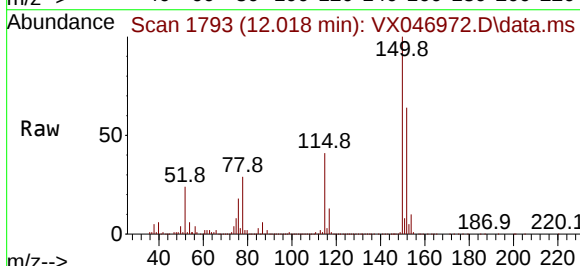
Tgt Ion:152 Resp: 288479

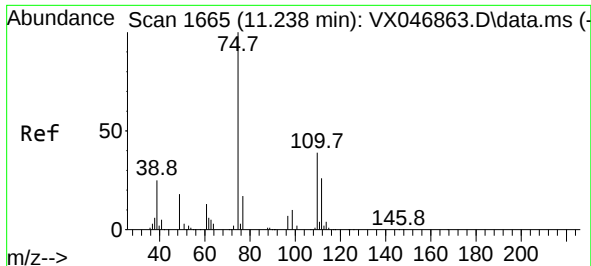
Ion Ratio Lower Upper

152 100

115 61.3 42.4 127.1

150 159.8 0.0 349.2

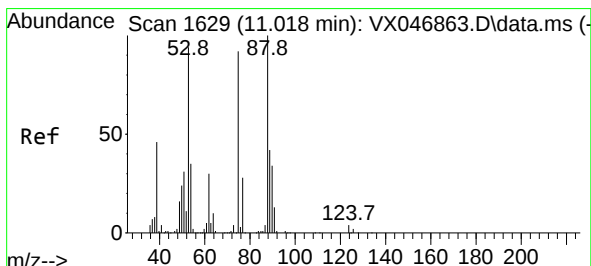
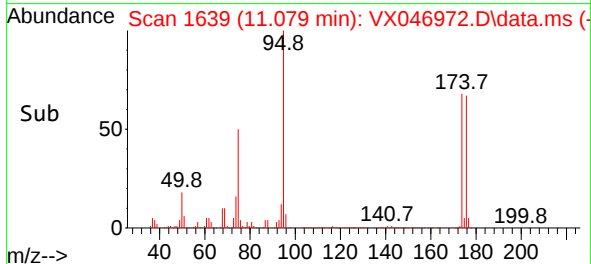
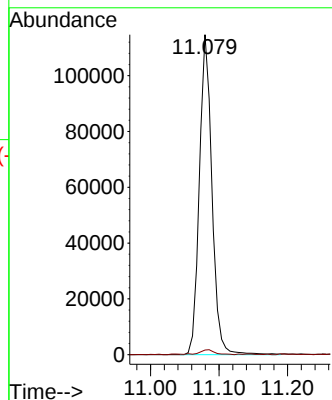
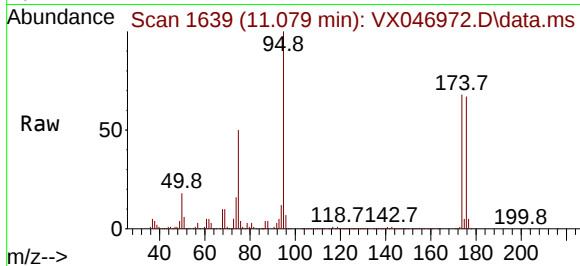




#76
1,2,3-Trichloropropane
Concen: 32.975 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0191

Tgt Ion: 75 Resp: 146984
Ion Ratio Lower Upper
75 100
77 1.9 20.6 61.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.489 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046972.D
Acq: 14 Jul 2025 14:41

Tgt Ion: 75 Resp: 146984
Ion Ratio Lower Upper
75 100
53 0.1 83.7 125.5#
89 0.0 38.2 57.2#

