

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046974.D
 Acq On : 14 Jul 2025 15:23
 Operator : JC/MD
 Sample : Q2565-05
 Misc : 2.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MOO-25-0180

Quant Time: Jul 15 01:21:56 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)

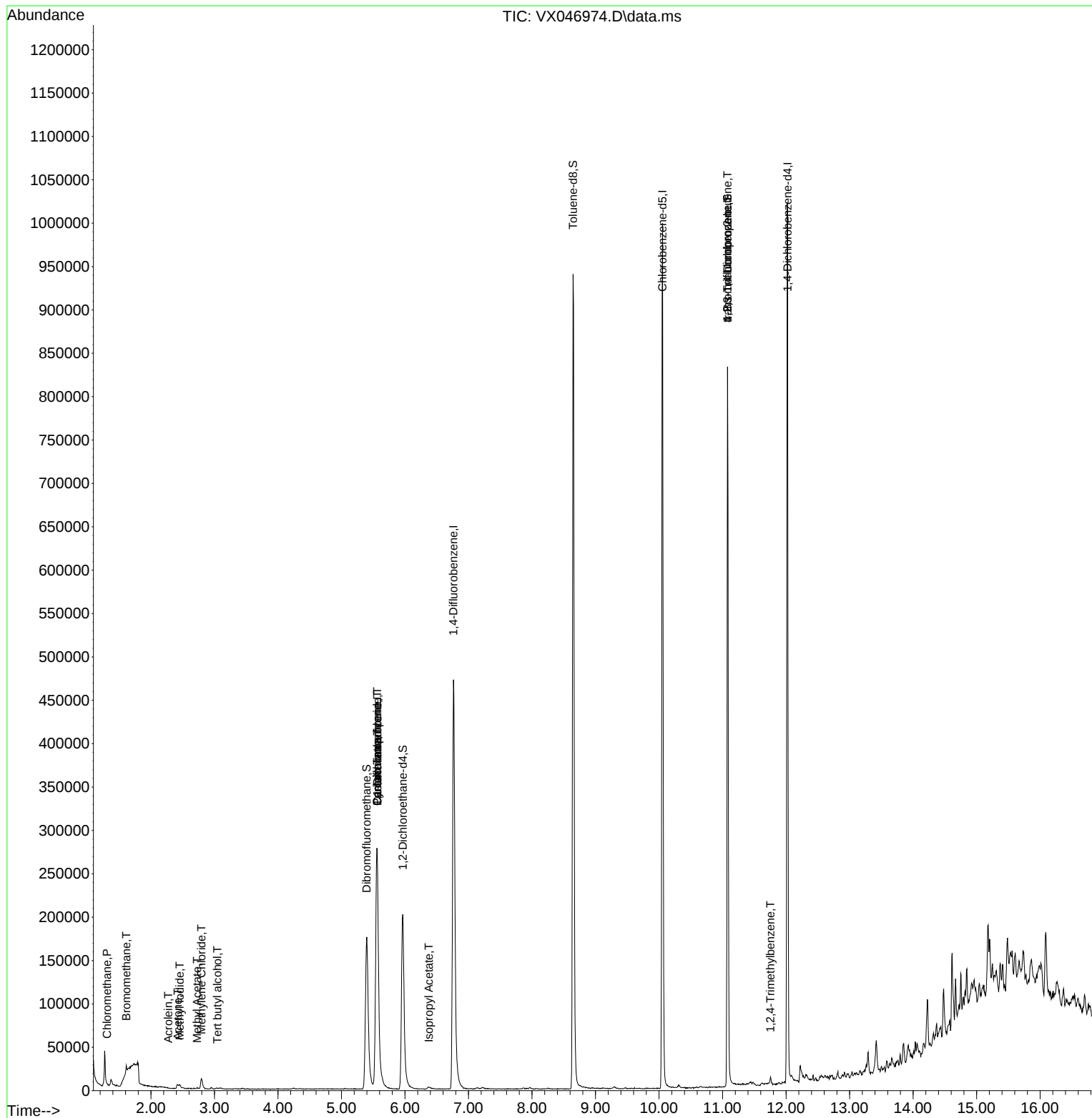
Internal Standards						
1) Pentafluorobenzene	5.562	168	299313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	529387	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	458887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	213116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	218861	55.349	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.700%
35) Dibromofluoromethane	5.397	113	170792	47.528	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.060%
50) Toluene-d8	8.647	98	591256	46.634	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.260%
62) 4-Bromofluorobenzene	11.079	95	226077	46.918	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.840%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	865	0.277	ug/l #	43
5) Bromomethane	1.611	94	3826	1.748	ug/l	93
10) Methyl Iodide	2.453	142	5854	1.601	ug/l	92
11) Tert butyl alcohol	3.044	59	985	3.798	ug/l #	85
13) Acrolein	2.270	56	80	3.111	ug/l #	15
16) Acetone	2.422	43	6357	5.176	ug/l #	83
18) Methyl Acetate	2.727	43	1639	0.506	ug/l	98
20) Methylene Chloride	2.794	84	5946	1.637	ug/l	91
31) Cyclohexane	5.562	56	6400	1.132	ug/l #	8
36) 1,1-Dichloropropene	5.562	75	24284	5.009	ug/l #	50
38) Carbon Tetrachloride	5.562	117	31469	6.139	ug/l #	16
43) Isopropyl Acetate	6.373	43	1269	0.201	ug/l #	61
76) 1,2,3-Trichloropropane	11.079	75	116486	35.375	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	116486	94.927	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	4003	0.325	ug/l	95

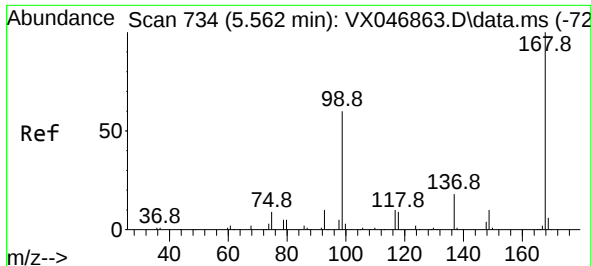
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 15 01:21:56 2025
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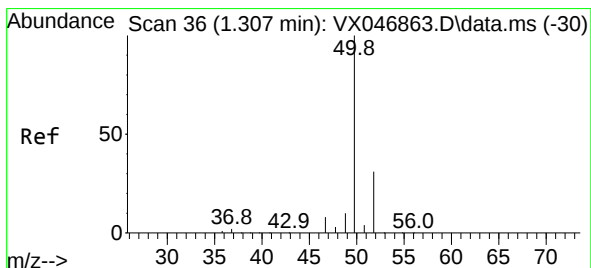
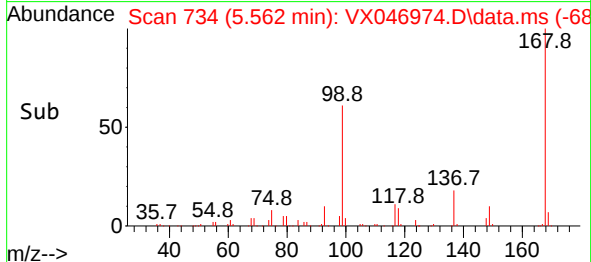
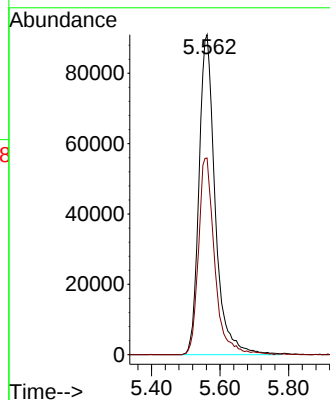
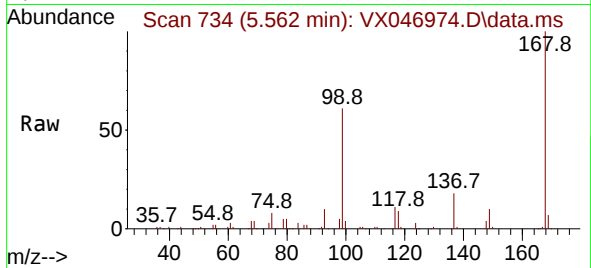




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

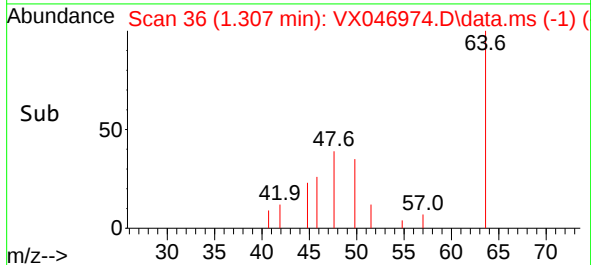
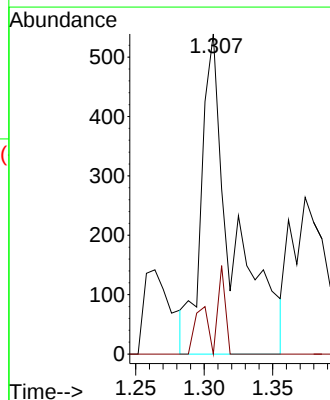
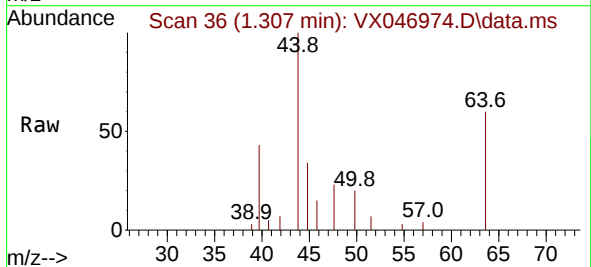
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0180

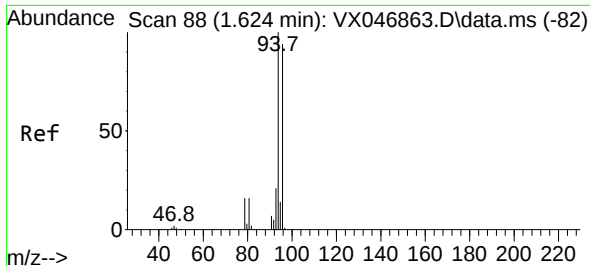
Tgt Ion:168 Resp: 299313
Ion Ratio Lower Upper
168 100
99 61.5 48.8 73.2



#3
Chloromethane
Concen: 0.277 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

Tgt Ion: 50 Resp: 865
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

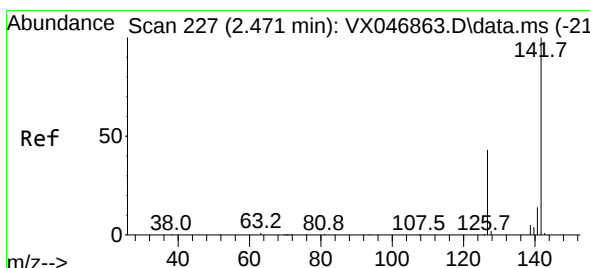
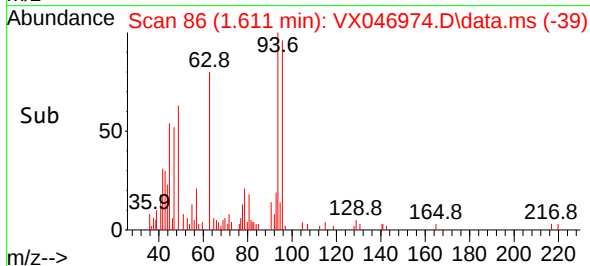
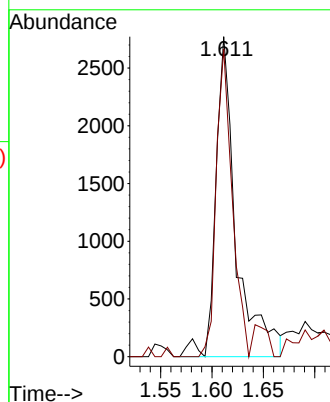
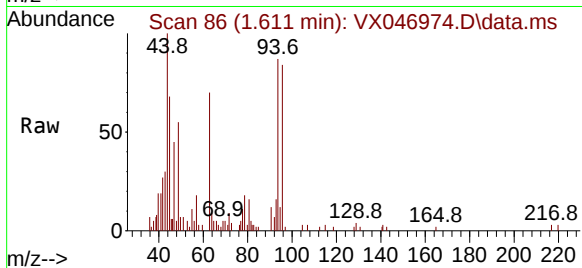




#5
Bromomethane
Concen: 1.748 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.012 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

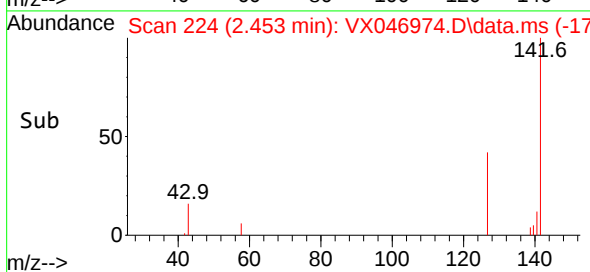
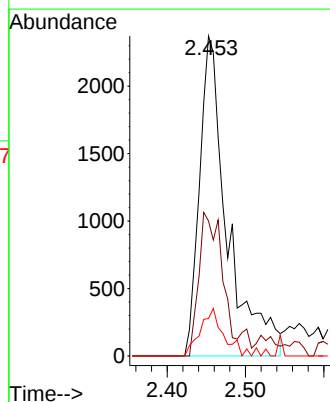
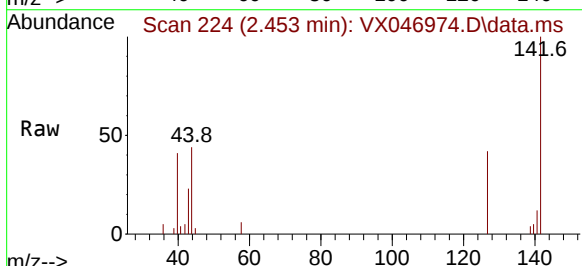
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0180

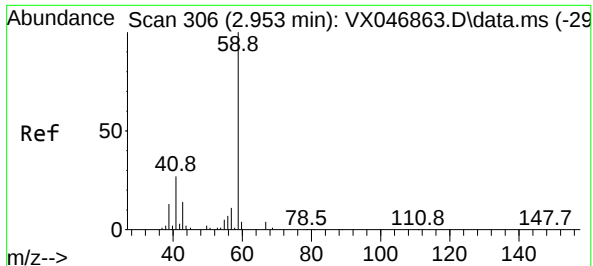
Tgt Ion: 94 Resp: 3826
Ion Ratio Lower Upper
94 100
96 87.5 75.5 113.3



#10
Methyl Iodide
Concen: 1.601 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.018 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

Tgt Ion: 142 Resp: 5854
Ion Ratio Lower Upper
142 100
127 37.8 34.9 52.3
141 12.3 11.1 16.7





#11

Tert butyl alcohol

Concen: 3.798 ug/l

RT: 3.044 min Scan# 31

Delta R.T. 0.091 min

Lab File: VX046974.D

Acq: 14 Jul 2025 15:23

Instrument :

MSVOA_X

ClientSampleId :

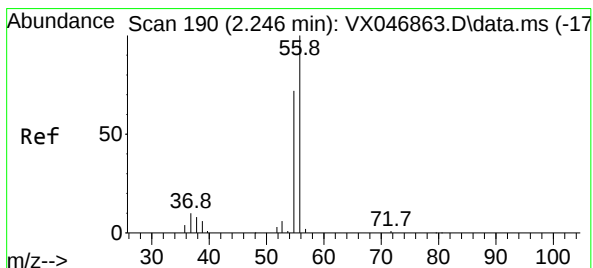
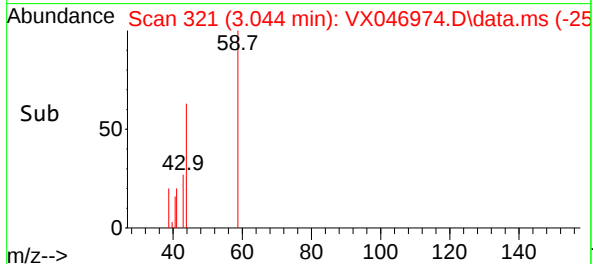
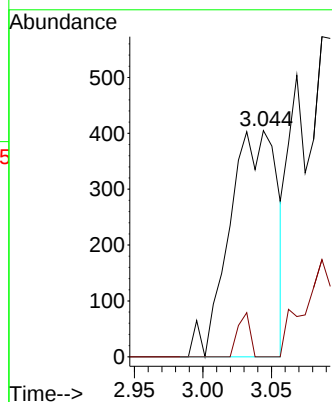
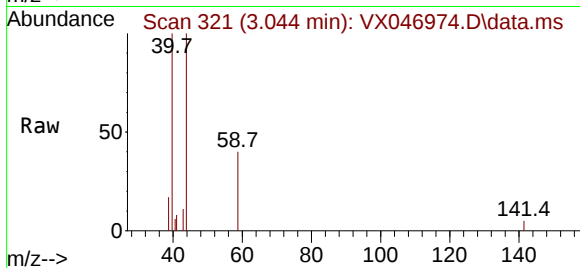
MOO-25-0180

Tgt Ion: 59 Resp: 985

Ion Ratio Lower Upper

59 100

57 5.0 8.5 12.7#



#13

Acrolein

Concen: 3.111 ug/l

RT: 2.270 min Scan# 194

Delta R.T. 0.024 min

Lab File: VX046974.D

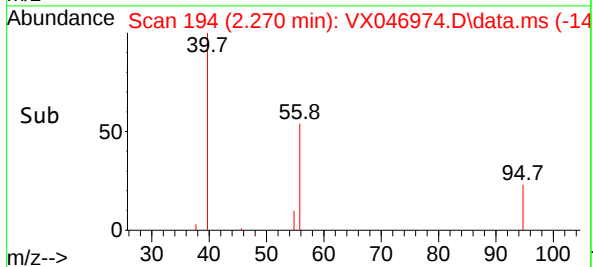
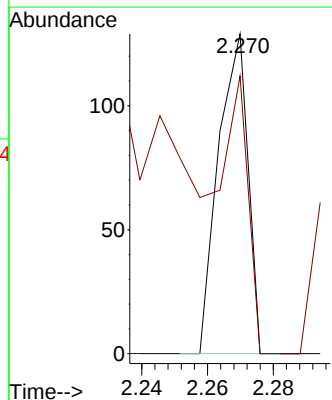
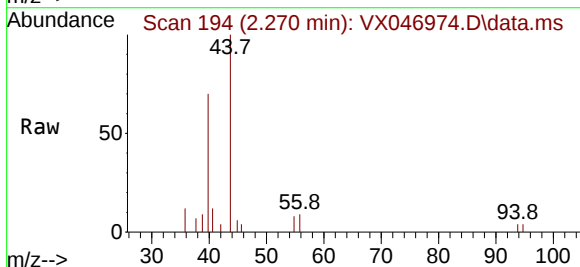
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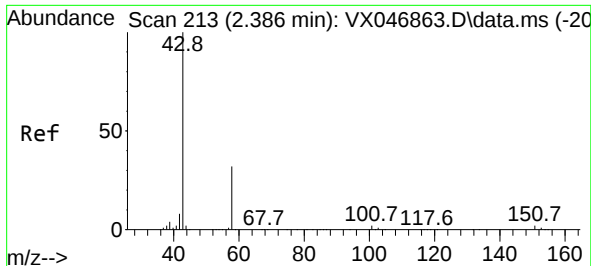
Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 0.0 55.5 83.3#

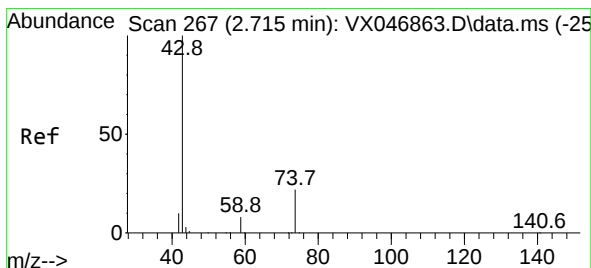
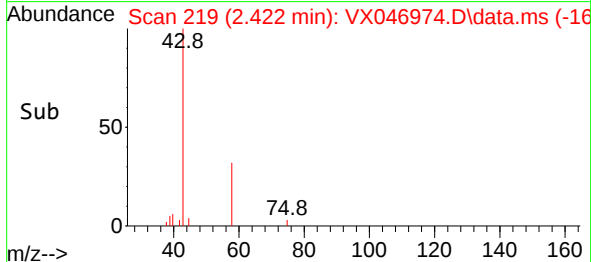
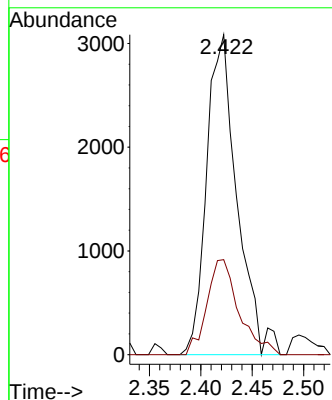
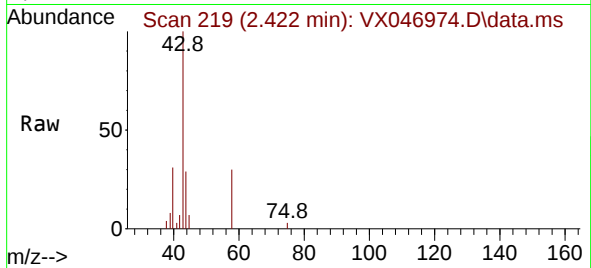




#16
Acetone
Concen: 5.176 ug/l
RT: 2.422 min Scan# 213
Delta R.T. 0.037 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

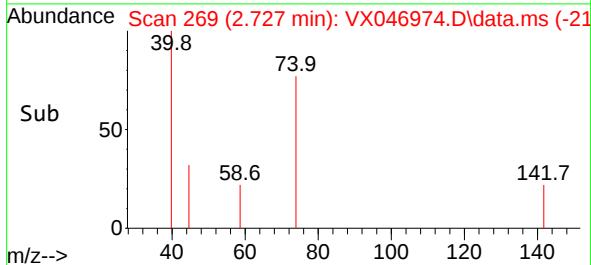
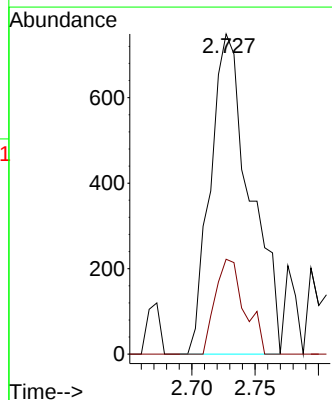
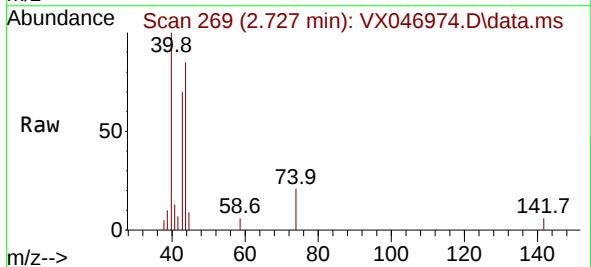
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0180

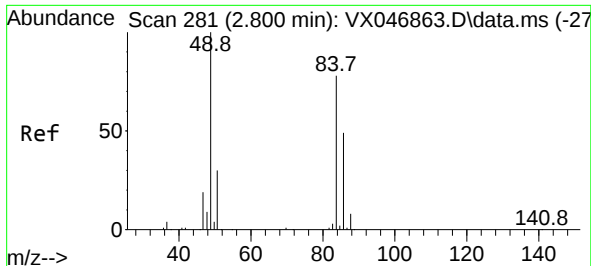
Tgt Ion: 43 Resp: 6357
Ion Ratio Lower Upper
43 100
58 23.0 25.8 38.6#



#18
Methyl Acetate
Concen: 0.506 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.012 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

Tgt Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
74 21.8 18.3 27.5

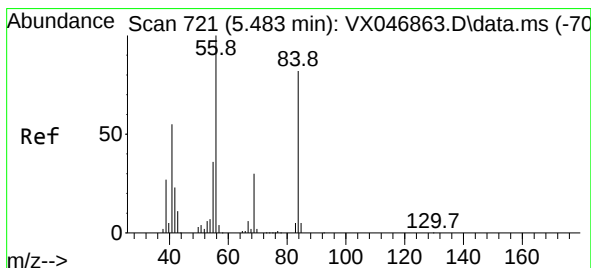
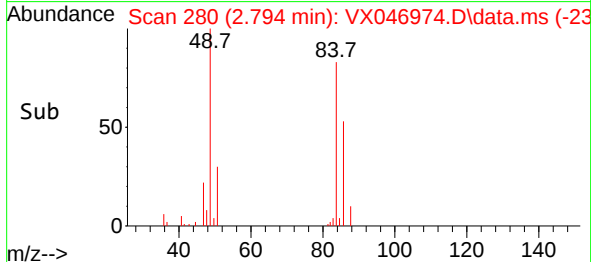
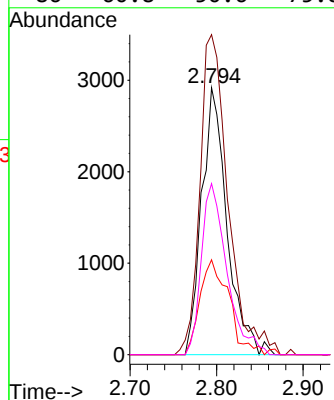
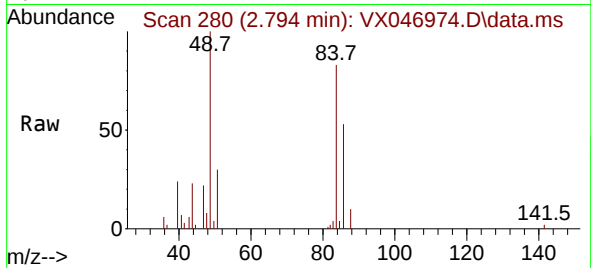




#20
Methylene Chloride
Concen: 1.637 ug/l
RT: 2.794 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

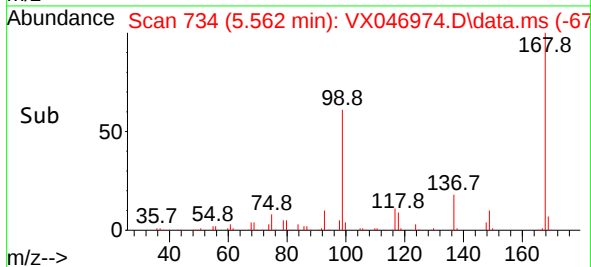
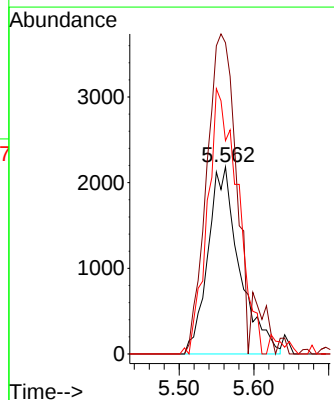
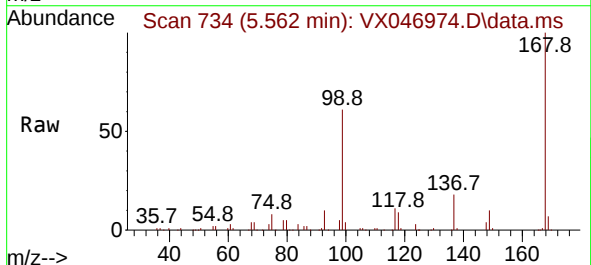
Instrument :
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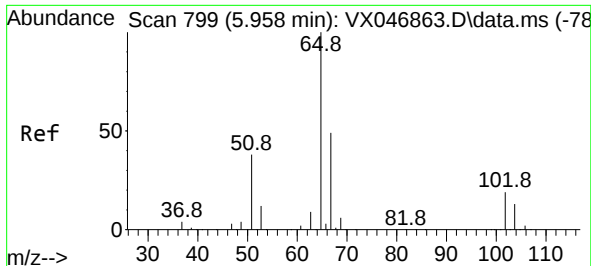
Tgt Ion:	84	Resp:	5946
Ion	Ratio	Lower	Upper
84	100		
49	113.9	102.8	154.2
51	33.8	31.1	46.7
86	60.8	50.6	75.8



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

Tgt Ion:	56	Resp:	6400
Ion	Ratio	Lower	Upper
56	100		
69	166.3	24.0	36.0#
84	114.1	66.5	99.7#

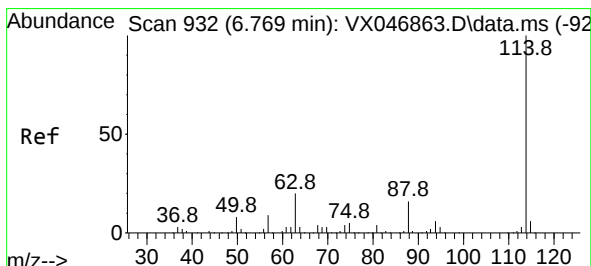
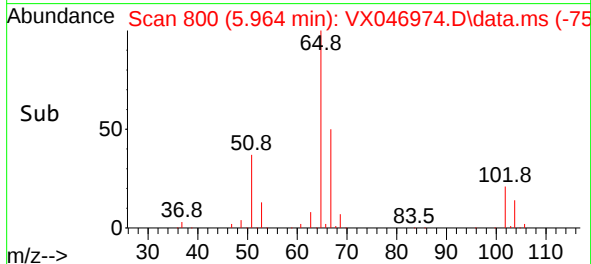
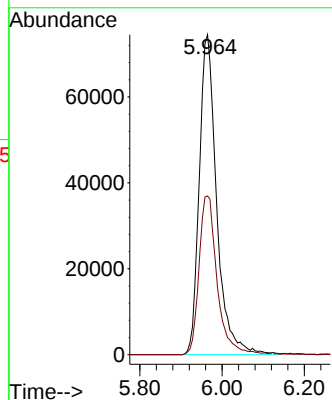
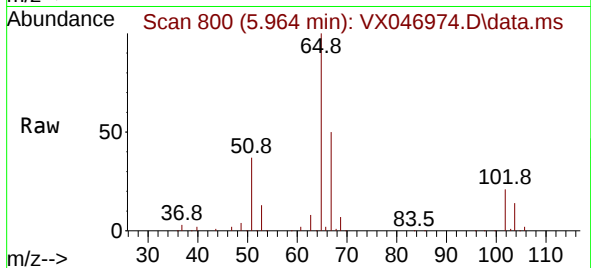




#33
 1,2-Dichloroethane-d4
 Concen: 55.349 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: VX046974.D
 Acq: 14 Jul 2025 15:23

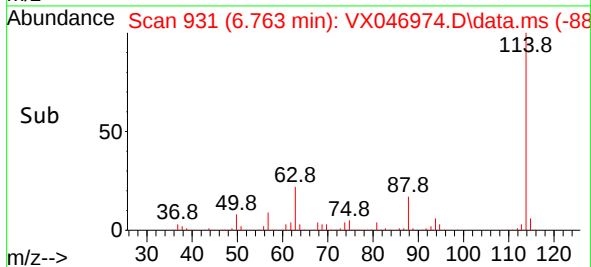
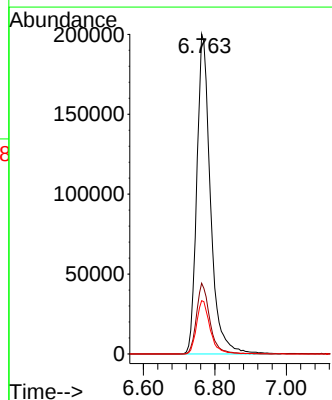
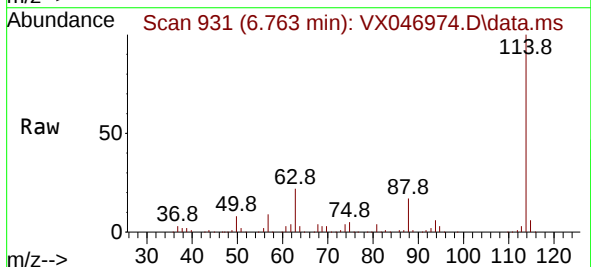
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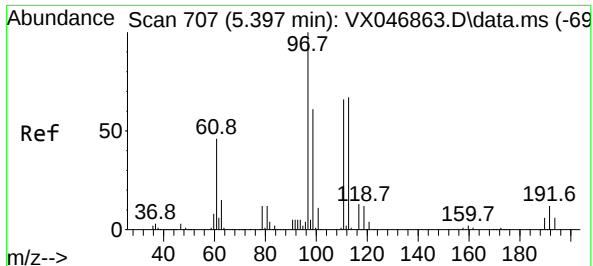
Tgt Ion: 65 Resp: 218861
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX046974.D
 Acq: 14 Jul 2025 15:23

Tgt Ion: 114 Resp: 529387
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 40.4
 88 16.7 0.0 31.0

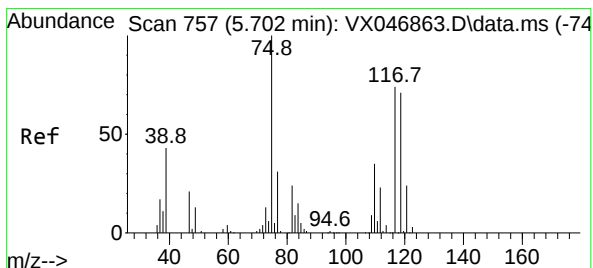
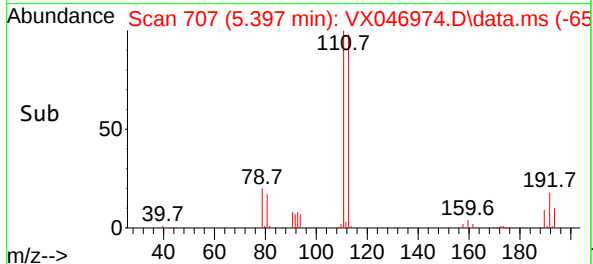
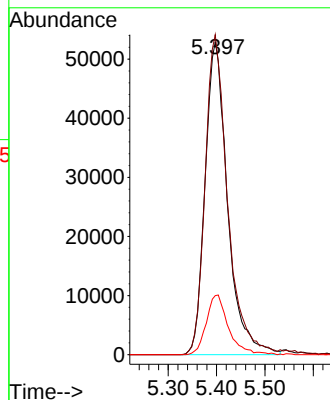
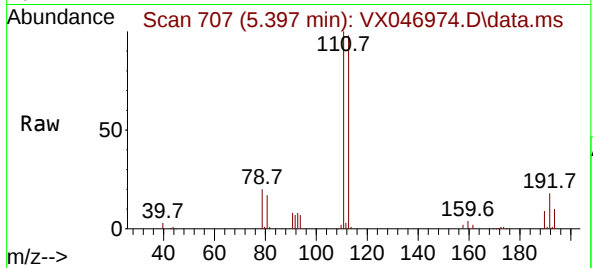




#35
Dibromofluoromethane
Concen: 47.528 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

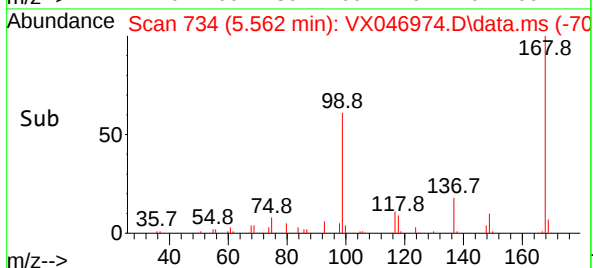
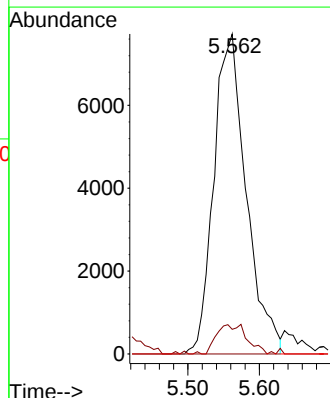
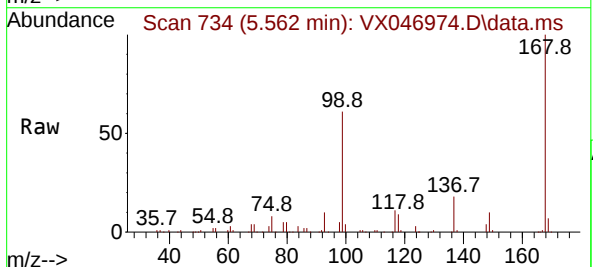
Instrument :
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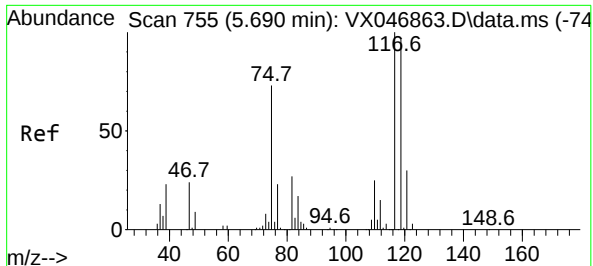
Tgt Ion:113 Resp: 170792
Ion Ratio Lower Upper
113 100
111 102.3 81.2 121.8
192 18.9 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.009 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

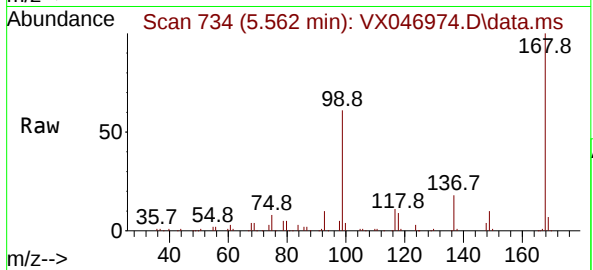
Tgt Ion: 75 Resp: 24284
Ion Ratio Lower Upper
75 100
110 8.7 17.3 51.9#
77 0.0 24.2 36.4#



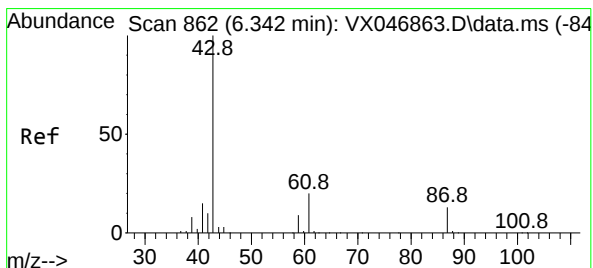
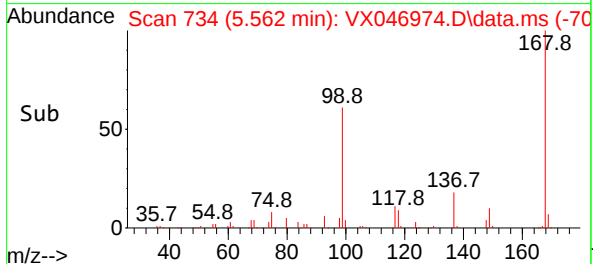
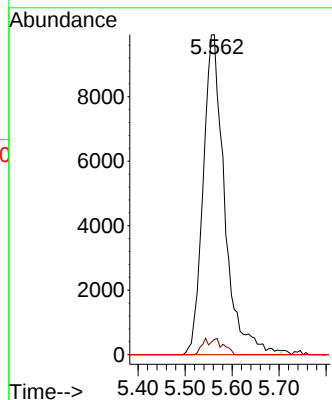


#38
Carbon Tetrachloride
Concen: 6.139 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.128 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0180

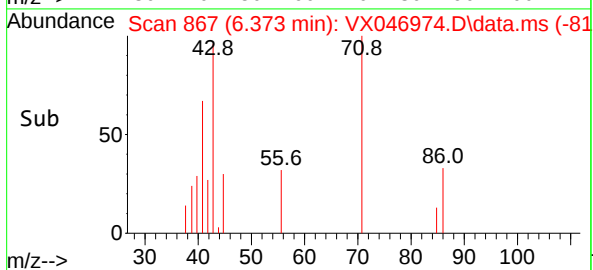
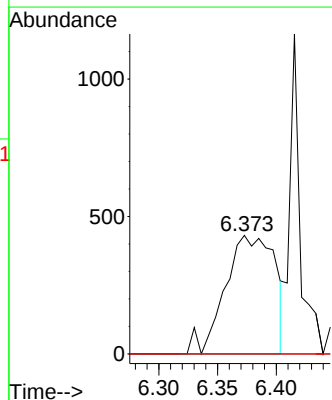
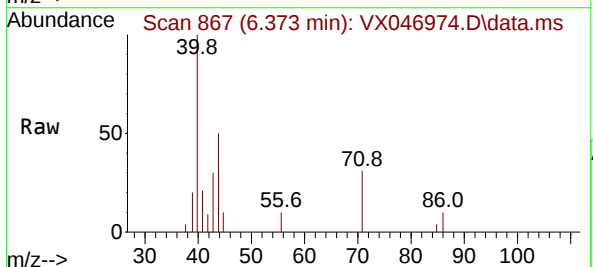


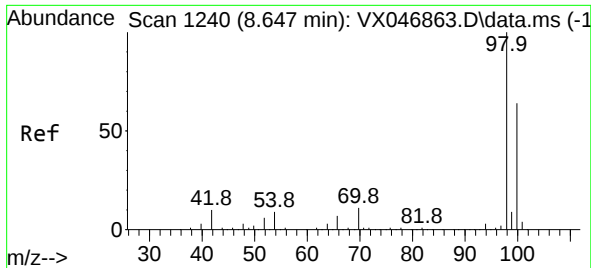
Tgt Ion:117 Resp: 31469
Ion Ratio Lower Upper
117 100
119 4.8 76.6 114.8#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 0.201 ug/l
RT: 6.373 min Scan# 867
Delta R.T. 0.030 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

Tgt Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
61 0.0 15.7 23.5#
87 0.0 10.1 15.1#

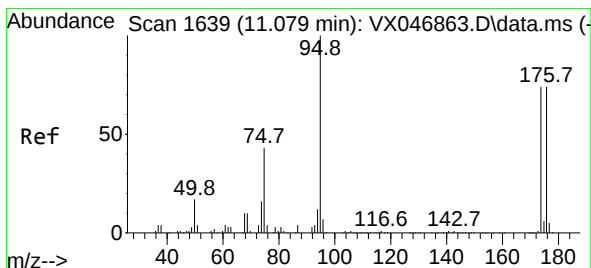
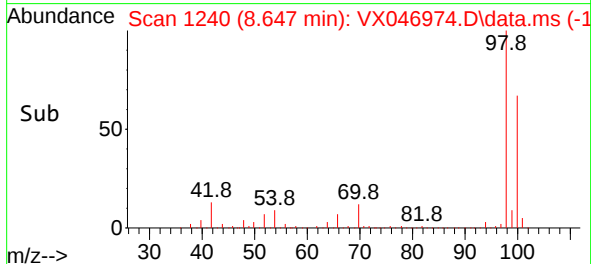
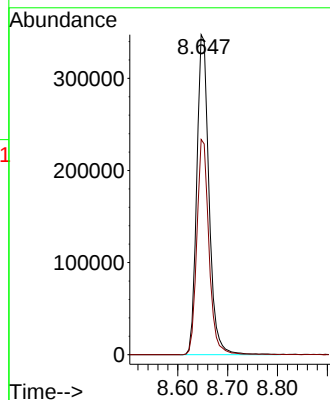
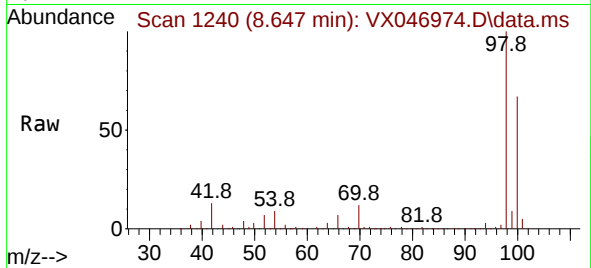




#50
Toluene-d8
Concen: 46.634 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

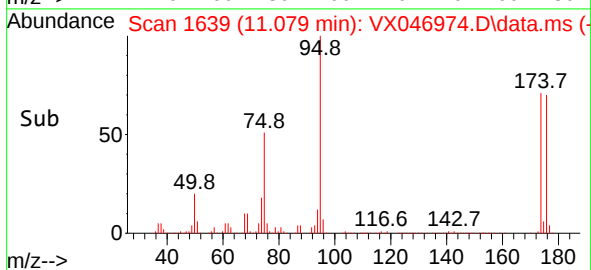
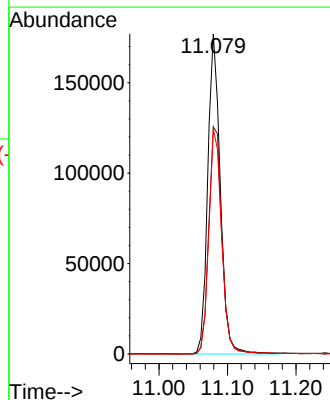
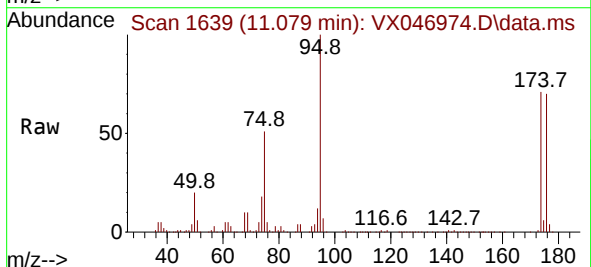
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0180

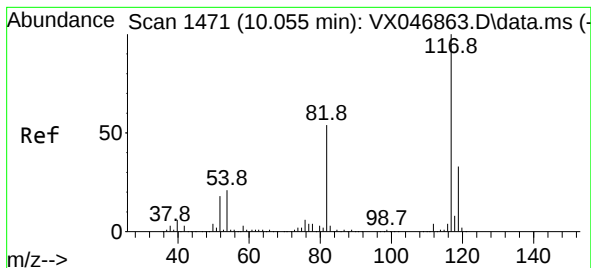
Tgt Ion: 98 Resp: 591256
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 46.918 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

Tgt Ion: 95 Resp: 226077
Ion Ratio Lower Upper
95 100
174 74.5 0.0 152.0
176 71.6 0.0 145.2

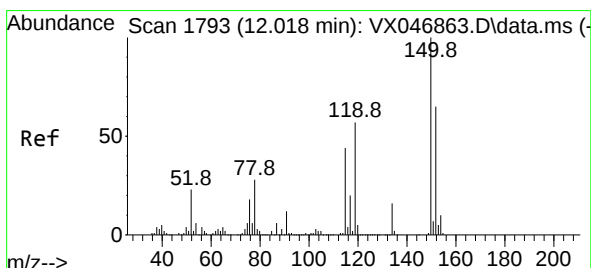
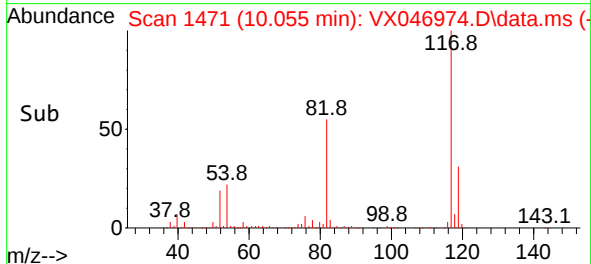
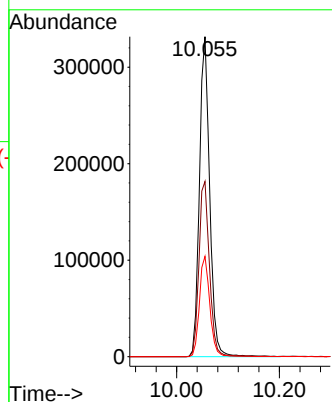
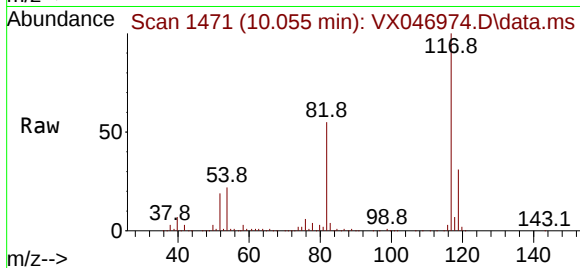




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

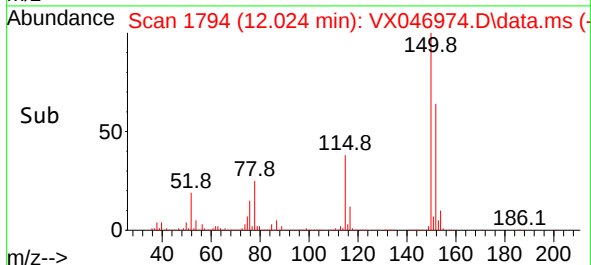
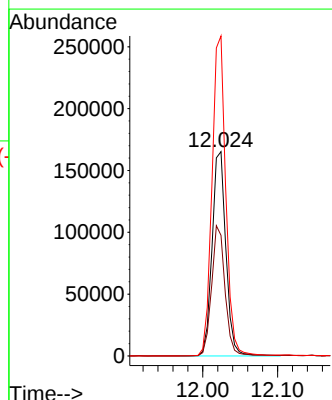
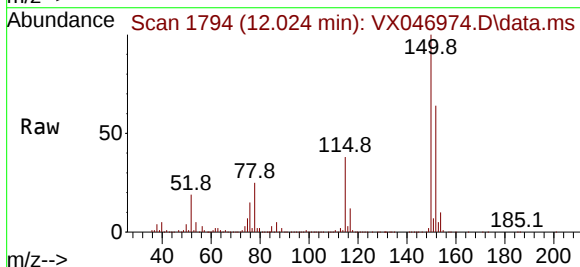
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0180

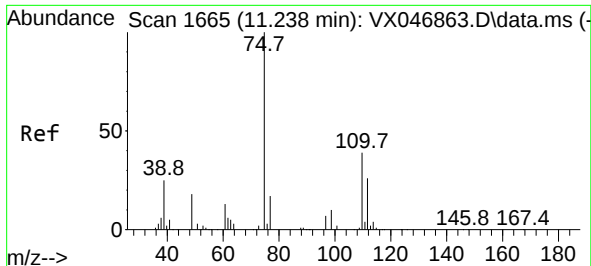
Tgt Ion:117 Resp: 458887
Ion Ratio Lower Upper
117 100
82 54.7 43.3 64.9
119 31.3 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

Tgt Ion:152 Resp: 213116
Ion Ratio Lower Upper
152 100
115 61.5 42.4 127.1
150 155.6 0.0 349.2

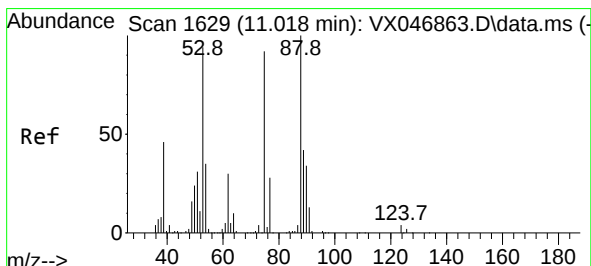
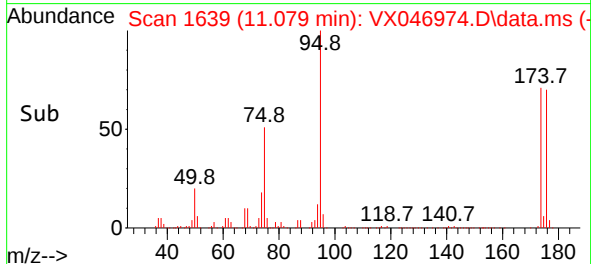
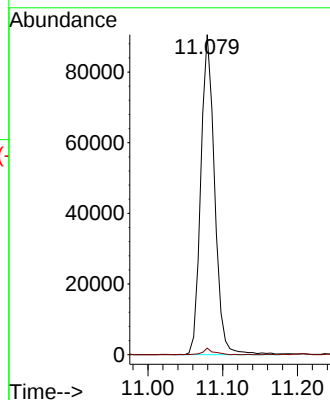
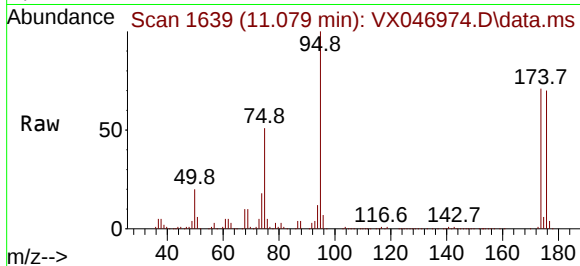




#76
1,2,3-Trichloropropane
Concen: 35.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

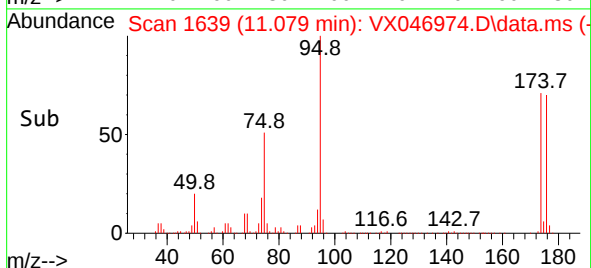
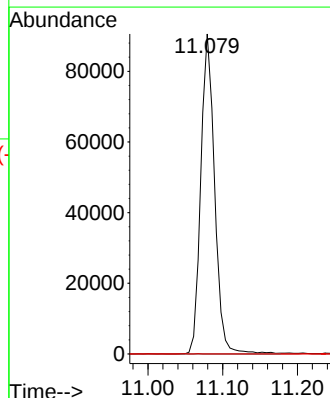
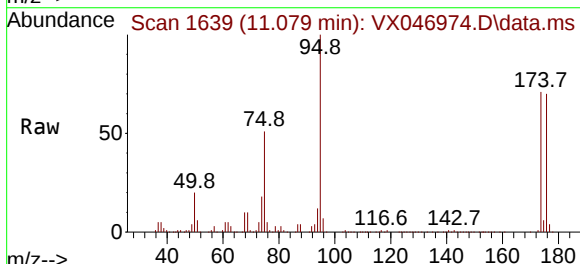
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0180

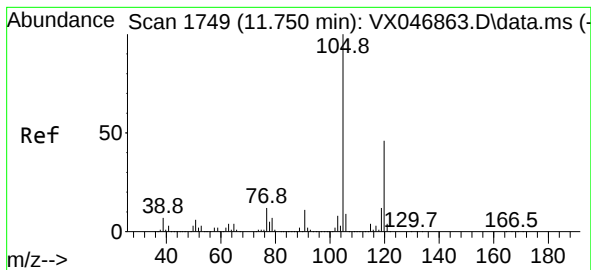
Tgt Ion: 75 Resp: 116486
Ion Ratio Lower Upper
75 100
77 1.6 20.6 61.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.927 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046974.D
Acq: 14 Jul 2025 15:23

Tgt Ion: 75 Resp: 116486
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.325 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046974.D

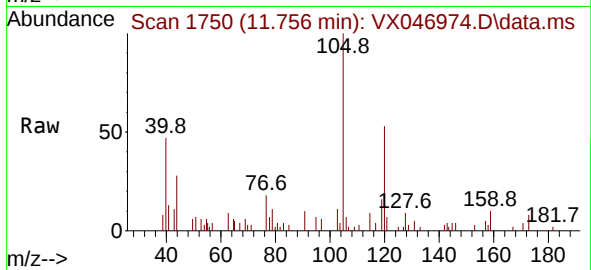
Acq: 14 Jul 2025 15:23

Instrument :

MSVOA_X

ClientSampleId :

MOO-25-0180



Tgt Ion:105 Resp: 4003

Ion Ratio Lower Upper

105 100

120 42.9 23.3 69.8

