

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046971.D
 Acq On : 14 Jul 2025 14:19
 Operator : JC/MD
 Sample : Q2526-02
 Misc : 1.50g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LAW-25-0101

Quant Time: Jul 15 01:20:41 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)

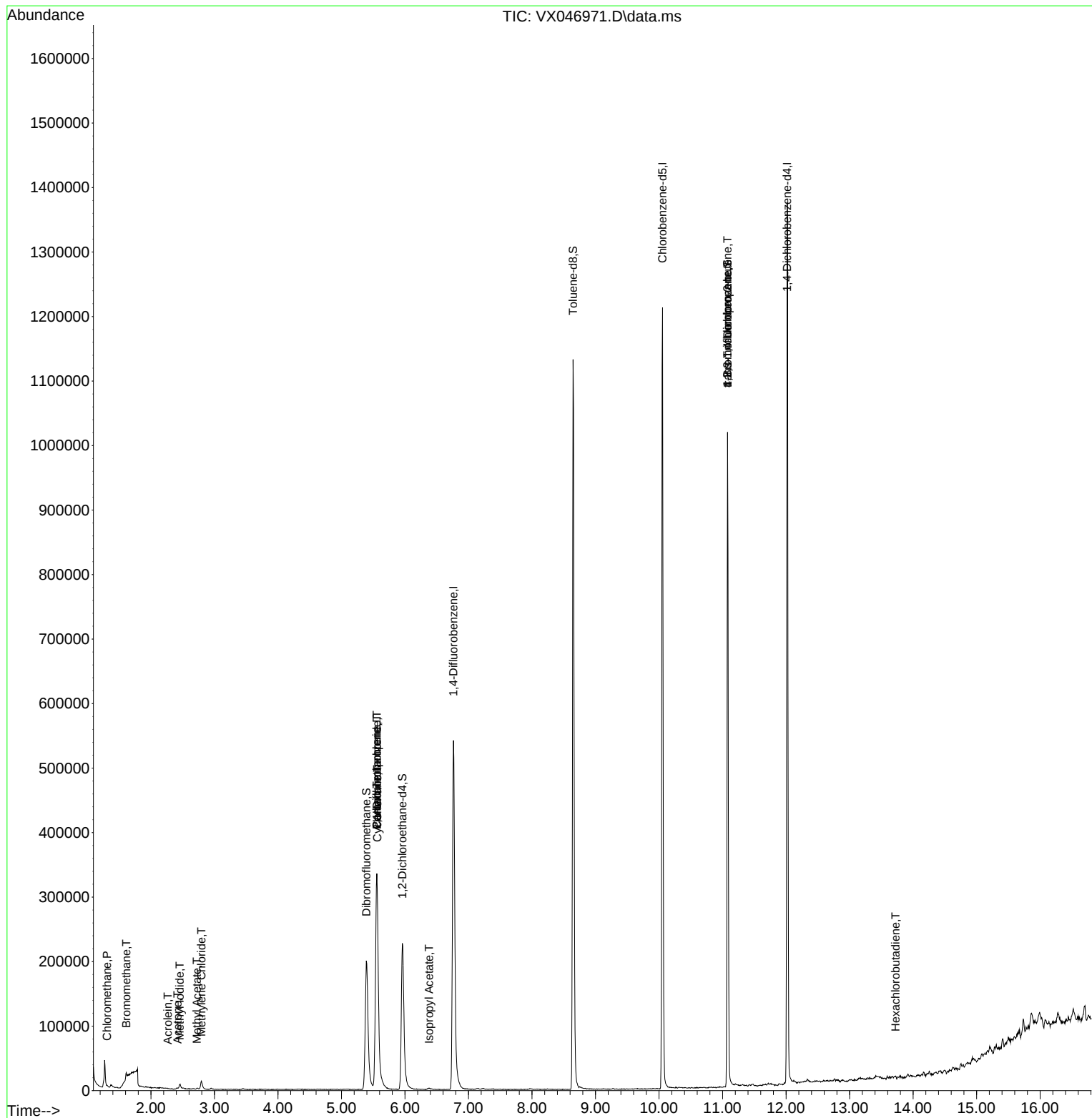
Internal Standards						
1) Pentafluorobenzene	5.556	168	351581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	602744	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	552519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	282136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	244670	52.677	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.360%			
35) Dibromofluoromethane	5.391	113	197443	48.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.520%			
50) Toluene-d8	8.647	98	704729	48.819	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.079	95	281153	51.246	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.500%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	1047	0.285	ug/l #	81
5) Bromomethane	1.611	94	4451	1.732	ug/l	100
10) Methyl Iodide	2.453	142	9969	2.322	ug/l	98
13) Acrolein	2.264	56	42	2.958	ug/l #	68
16) Acetone	2.416	43	2163	1.499	ug/l	92
18) Methyl Acetate	2.721	43	2319	0.610	ug/l #	78
20) Methylene Chloride	2.794	84	5942	1.393	ug/l	90
31) Cyclohexane	5.562	56	7633	1.150	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	28117	5.093	ug/l #	49
38) Carbon Tetrachloride	5.556	117	36222	6.207	ug/l #	16
43) Isopropyl Acetate	6.379	43	1445	0.201	ug/l #	61
76) 1,2,3-Trichloropropane	11.079	75	142671	32.727	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	142671	87.823	ug/l #	8
94) Hexachlorobutadiene	13.725	225	658	0.287	ug/l	90

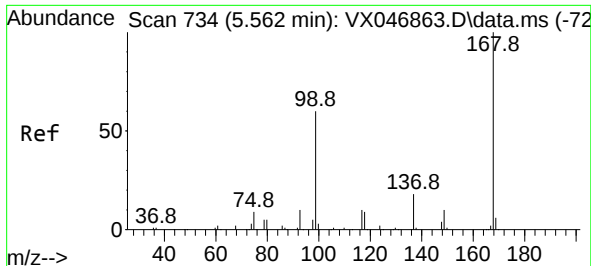
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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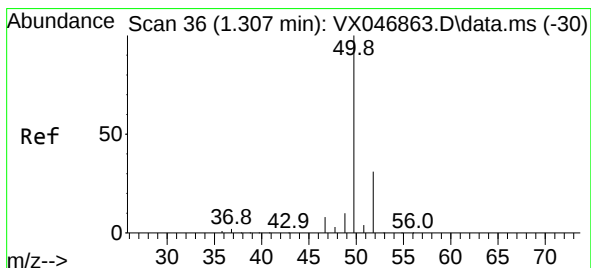
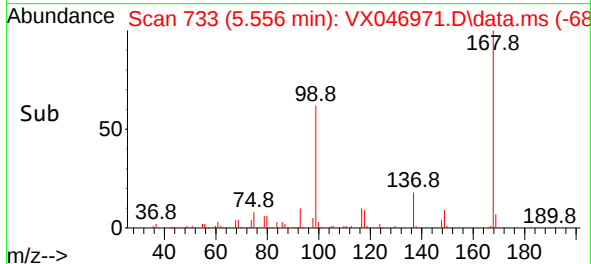
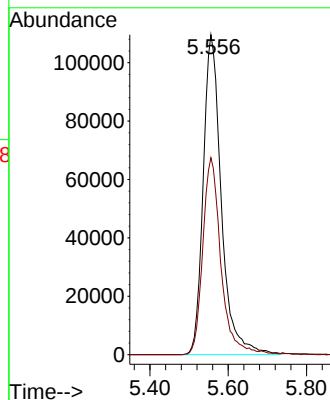
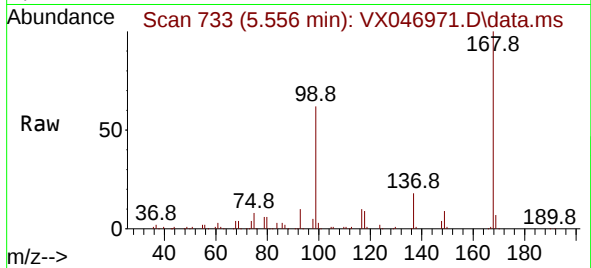




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

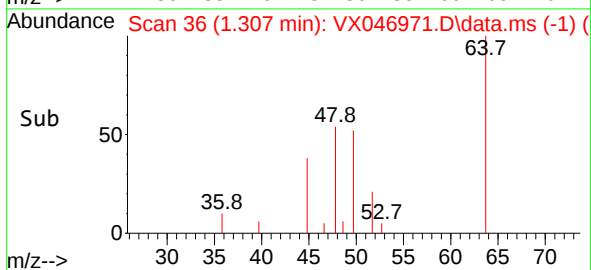
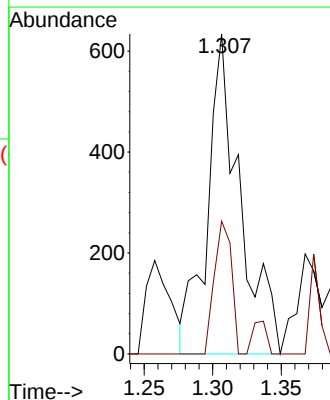
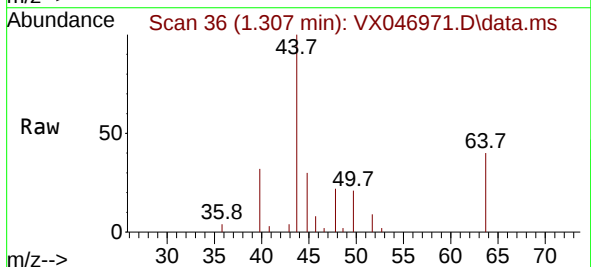
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0101

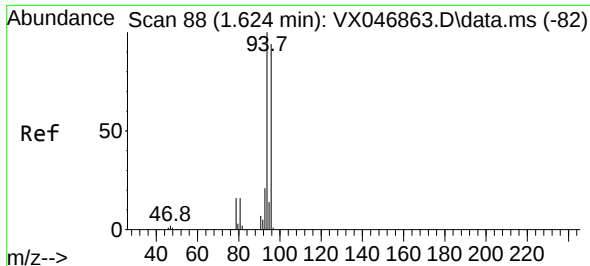
Tgt Ion:168 Resp: 351581
Ion Ratio Lower Upper
168 100
99 61.6 48.8 73.2



#3
Chloromethane
Concen: 0.285 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

Tgt Ion: 50 Resp: 1047
Ion Ratio Lower Upper
50 100
52 41.5 25.0 37.4#

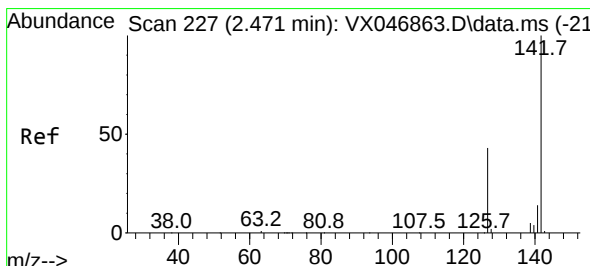
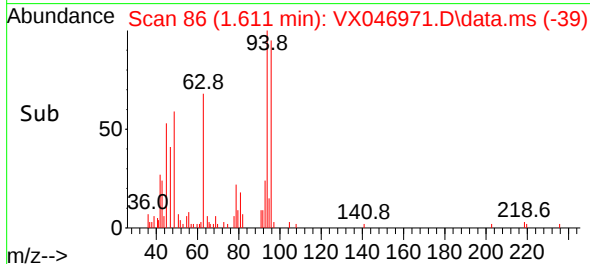
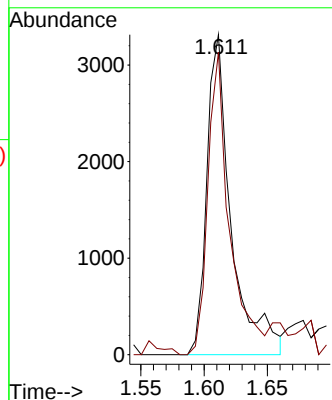
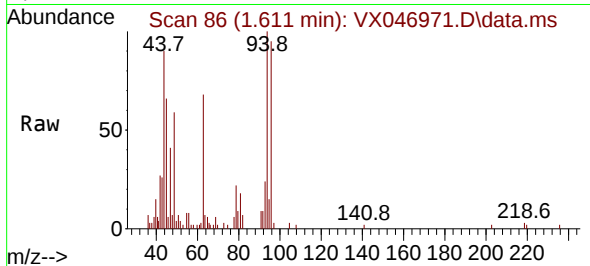




#5
Bromomethane
Concen: 1.732 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.012 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

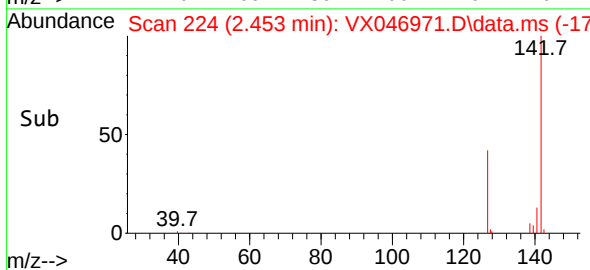
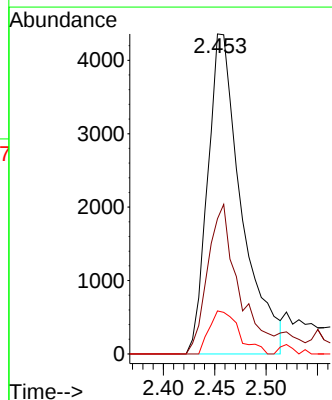
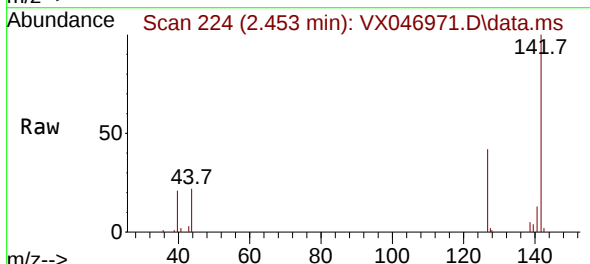
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0101

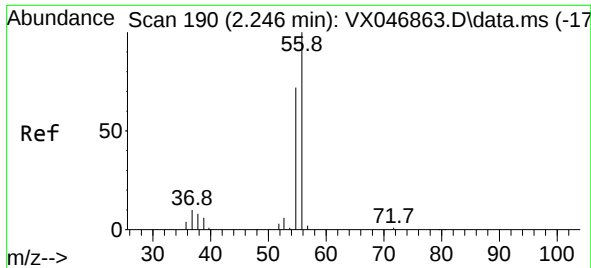
Tgt Ion: 94 Resp: 4451
Ion Ratio Lower Upper
94 100
96 94.6 75.5 113.3



#10
Methyl Iodide
Concen: 2.322 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.018 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

Tgt Ion: 142 Resp: 9969
Ion Ratio Lower Upper
142 100
127 43.1 34.9 52.3
141 11.8 11.1 16.7





#13

Acrolein

Concen: 2.958 ug/l

RT: 2.264 min Scan# 190

Delta R.T. 0.018 min

Lab File: VX046971.D

Acq: 14 Jul 2025 14:19

Instrument :

MSVOA_X

ClientSampleId :

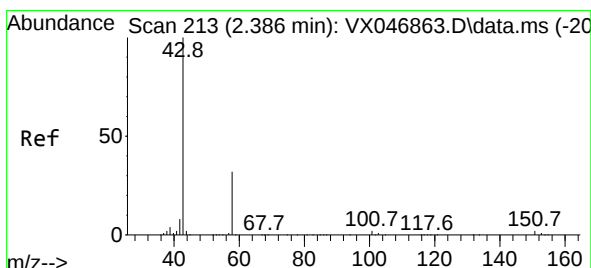
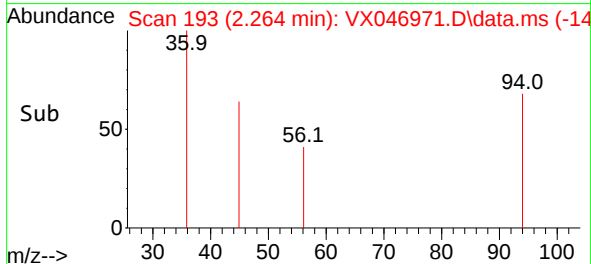
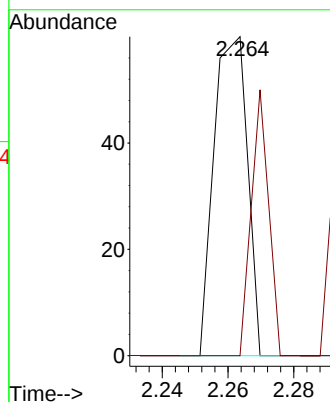
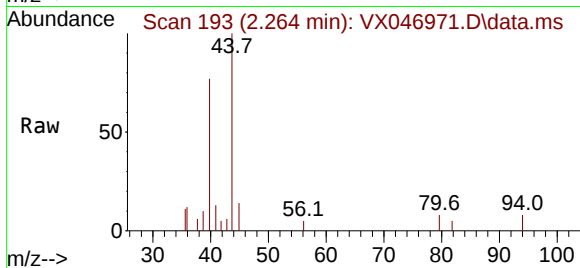
LAW-25-0101

Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 42.9 55.5 83.3#



#16

Acetone

Concen: 1.499 ug/l

RT: 2.416 min Scan# 218

Delta R.T. 0.030 min

Lab File: VX046971.D

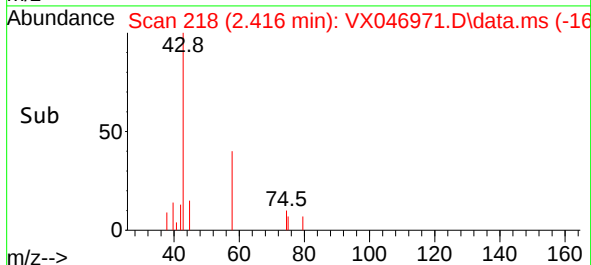
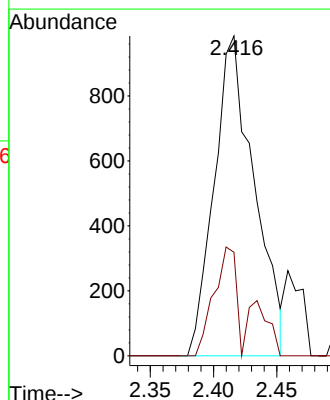
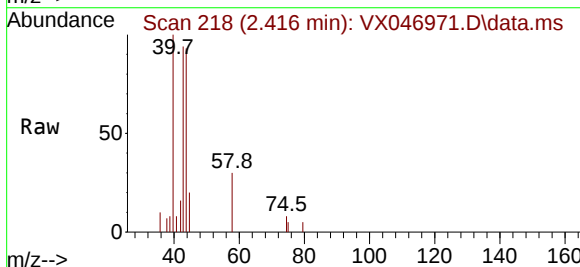
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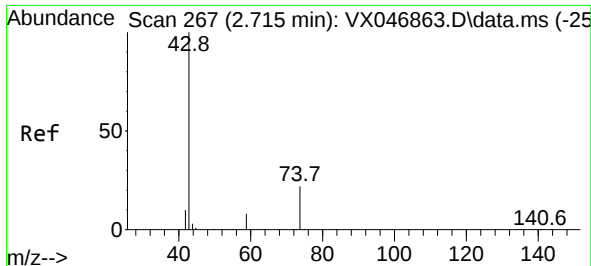
Tgt Ion: 43 Resp: 2163

Ion Ratio Lower Upper

43 100

58 36.7 25.8 38.6

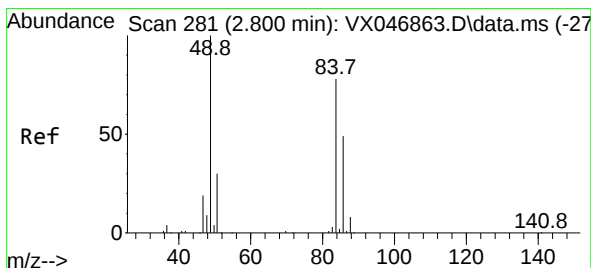
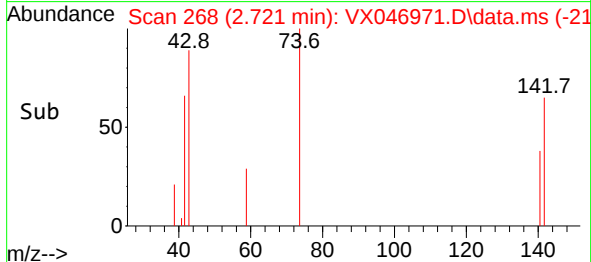
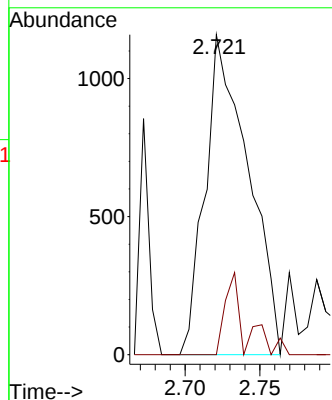
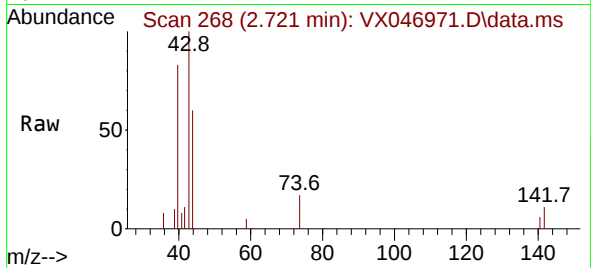




#18
Methyl Acetate
Concen: 0.610 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

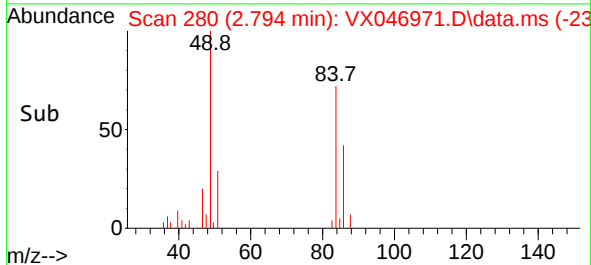
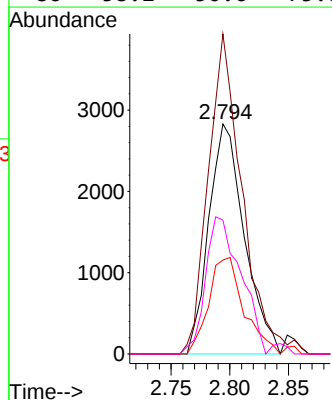
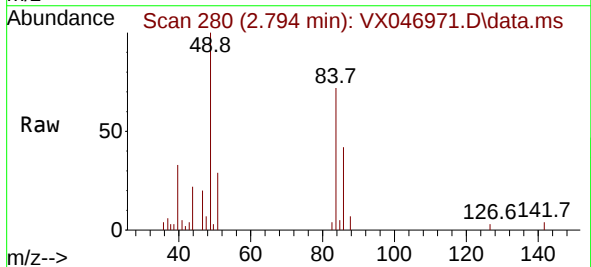
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0101

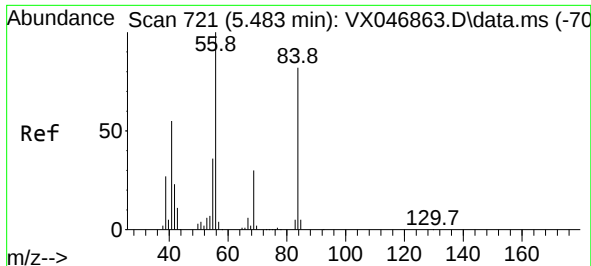
Tgt Ion: 43 Resp: 2319
Ion Ratio Lower Upper
43 100
74 12.0 18.3 27.5#



#20
Methylene Chloride
Concen: 1.393 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.006 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

Tgt Ion: 84 Resp: 5942
Ion Ratio Lower Upper
84 100
49 144.0 102.8 154.2
51 40.9 31.1 46.7
86 58.2 50.6 75.8

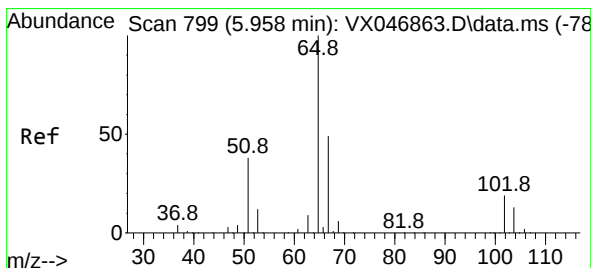
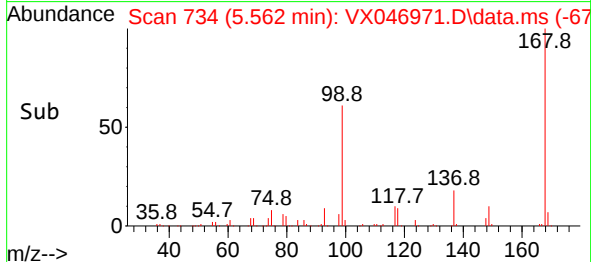
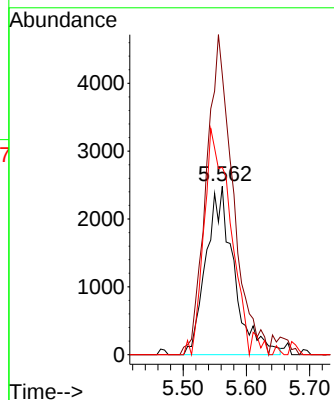
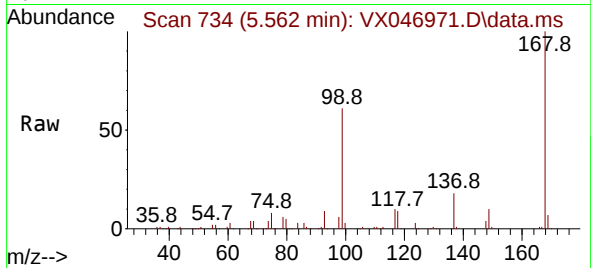




#31
Cyclohexane
Concen: 1.150 ug/l
RT: 5.562 min Scan# 713
Delta R.T. 0.079 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

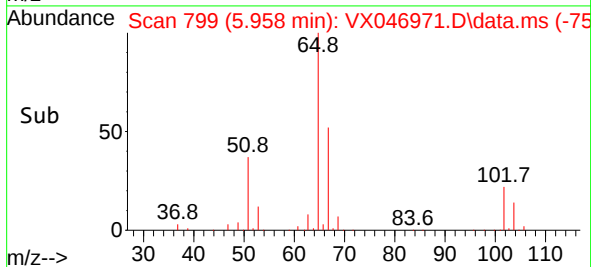
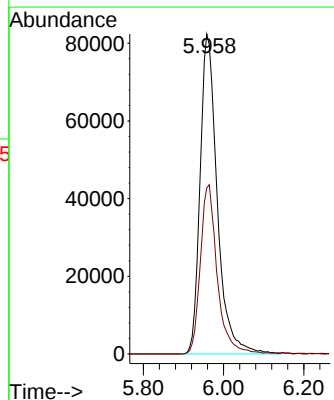
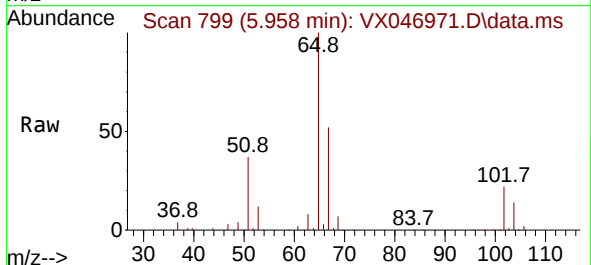
Instrument :
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ClientSampleId :
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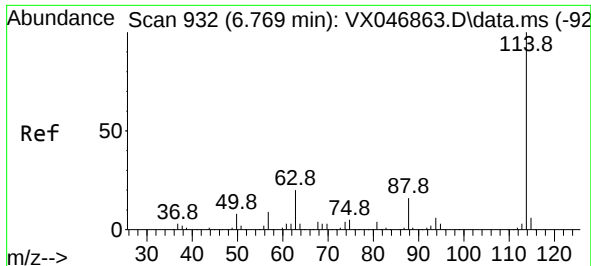
Tgt Ion: 56 Resp: 7633
Ion Ratio Lower Upper
56 100
69 166.5 24.0 36.0#
84 111.3 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 52.677 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

Tgt Ion: 65 Resp: 244670
Ion Ratio Lower Upper
65 100
67 52.1 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: VX046971.D

Acq: 14 Jul 2025 14:19

Instrument :

MSVOA_X

ClientSampleId :

LAW-25-0101

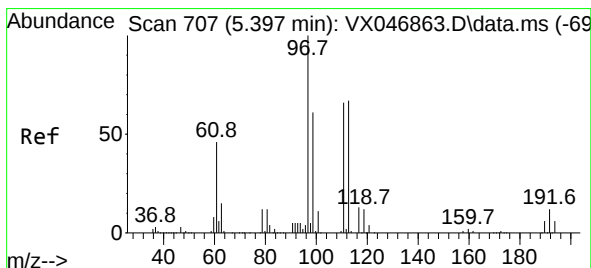
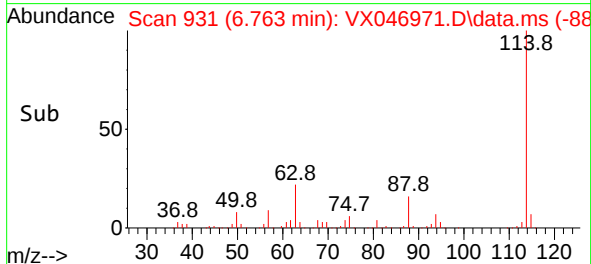
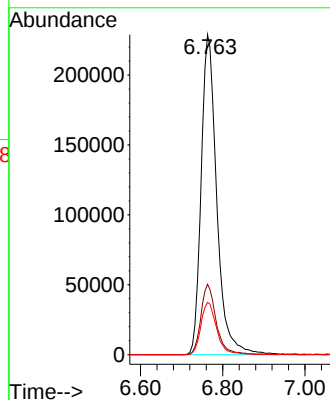
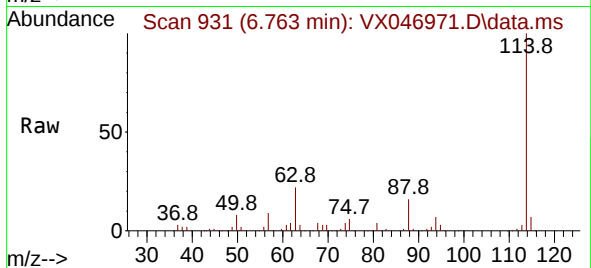
Tgt Ion:114 Resp: 602744

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.4

88 16.3 0.0 31.0



#35

Dibromofluoromethane

Concen: 48.258 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX046971.D

Acq: 14 Jul 2025 14:19

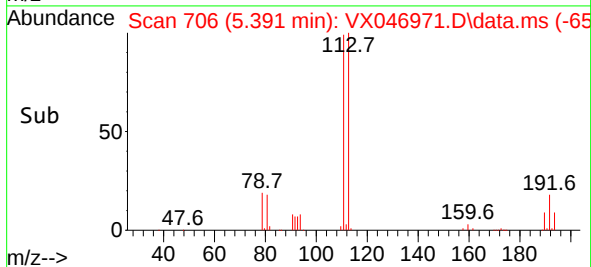
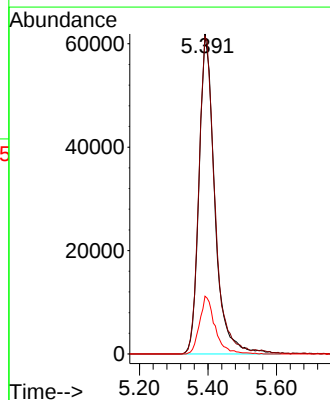
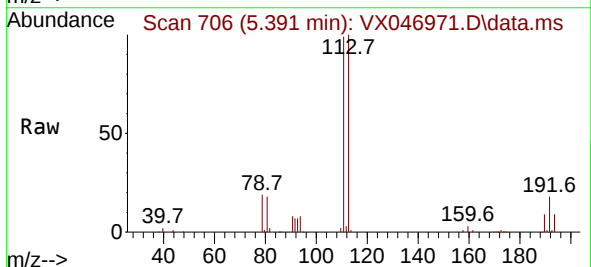
Tgt Ion:113 Resp: 197443

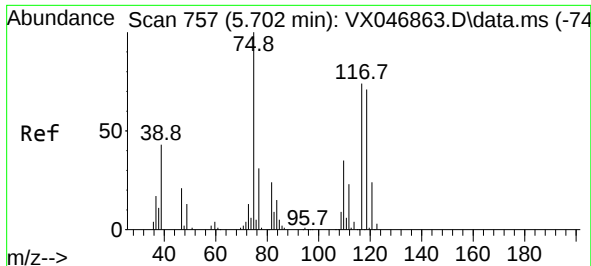
Ion Ratio Lower Upper

113 100

111 100.2 81.2 121.8

192 17.9 15.3 22.9

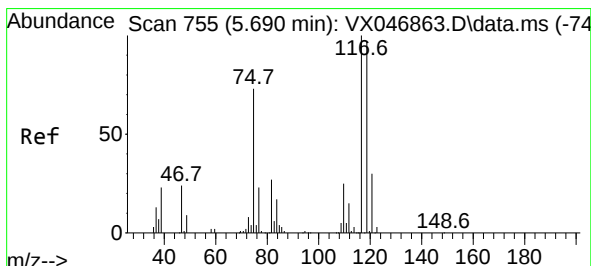
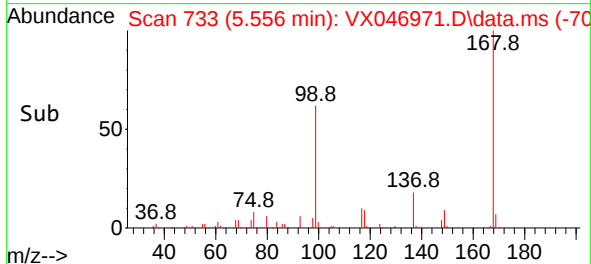
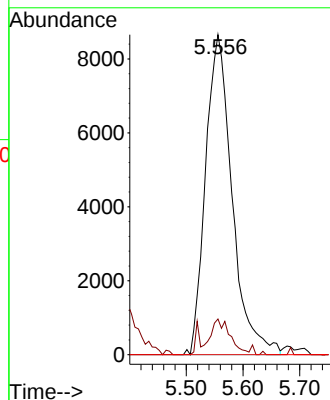
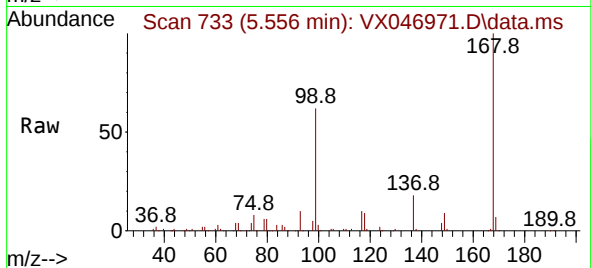




#36
1,1-Dichloropropene
Concen: 5.093 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.147 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

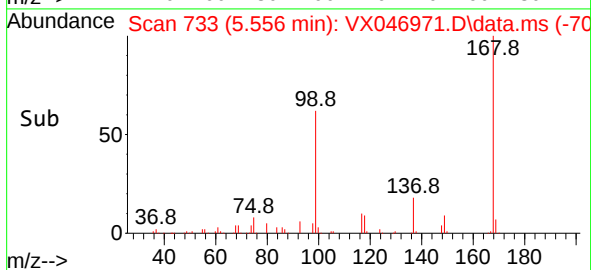
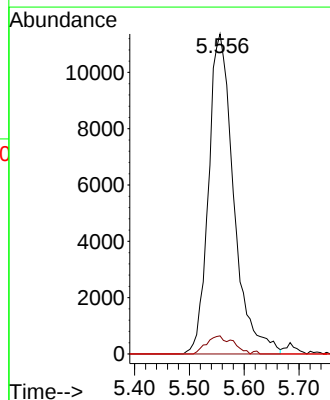
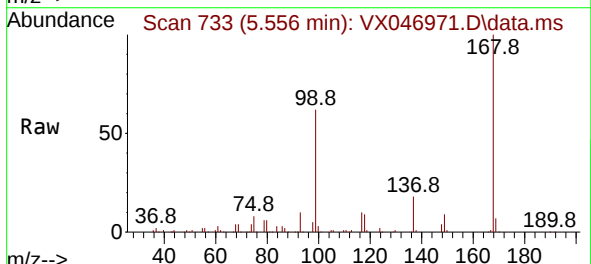
Instrument :
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LAW-25-0101

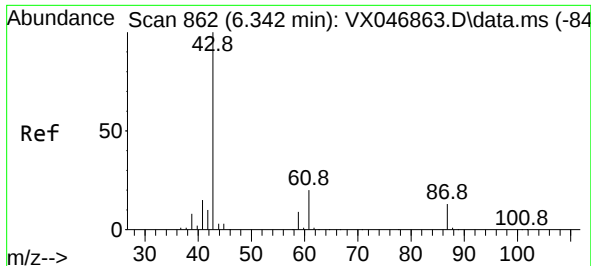
Tgt Ion: 75 Resp: 28117
Ion Ratio Lower Upper
75 100
110 7.1 17.3 51.9#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.207 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

Tgt Ion: 117 Resp: 36222
Ion Ratio Lower Upper
117 100
119 5.7 76.6 114.8#
121 0.0 24.1 36.1#

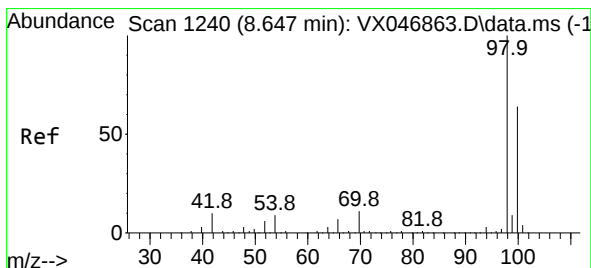
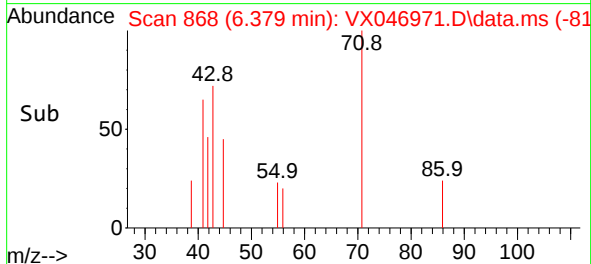
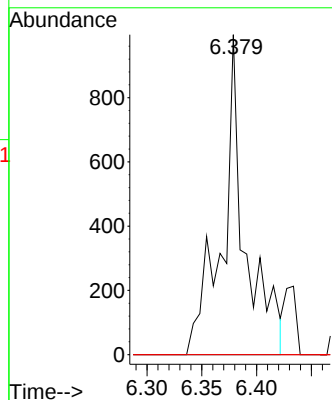
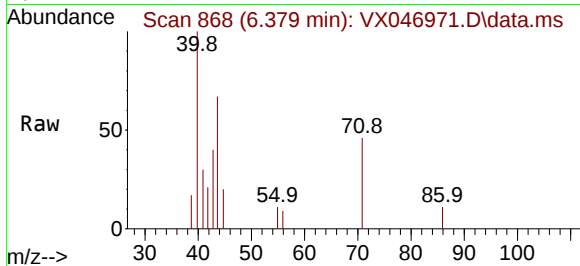




#43
Isopropyl Acetate
Concen: 0.201 ug/l
RT: 6.379 min Scan# 862
Delta R.T. 0.036 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

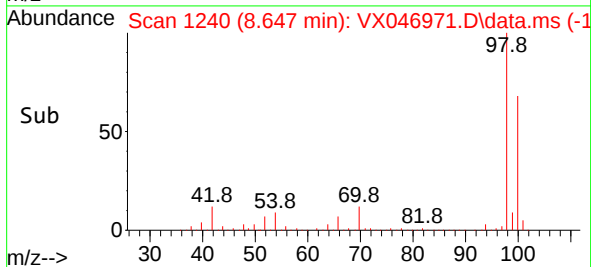
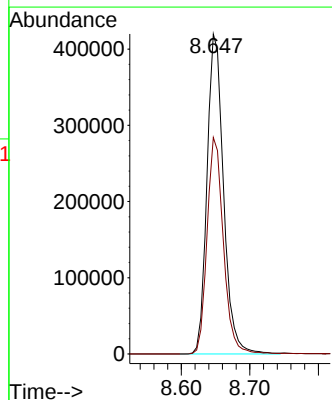
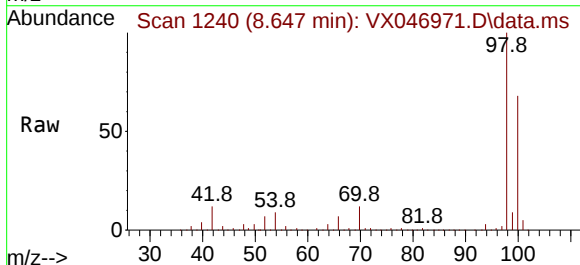
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0101

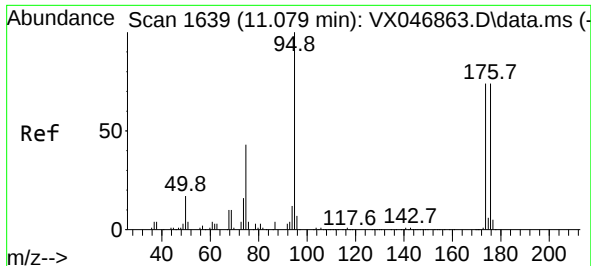
Tgt Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
61 0.0 15.7 23.5#
87 0.0 10.1 15.1#



#50
Toluene-d8
Concen: 48.819 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

Tgt Ion: 98 Resp: 704729
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.6

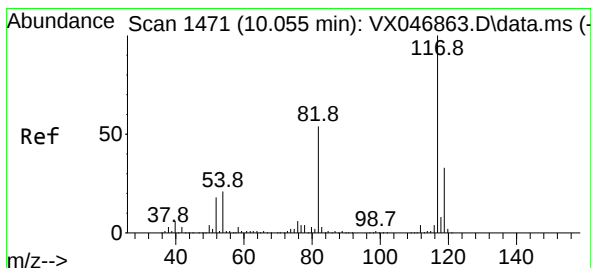
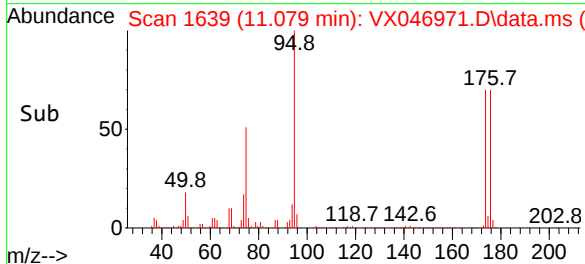
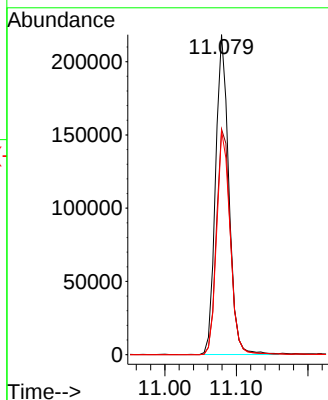
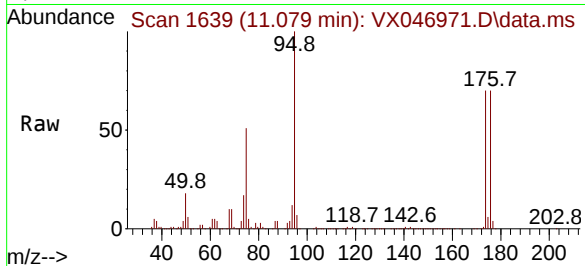




#62
4-Bromofluorobenzene
Concen: 51.246 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

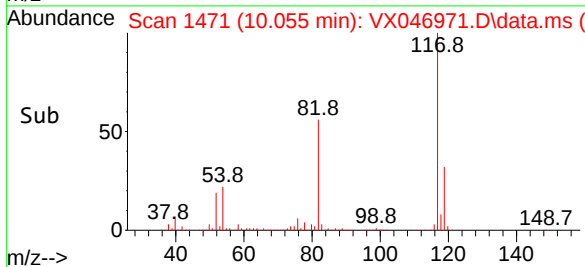
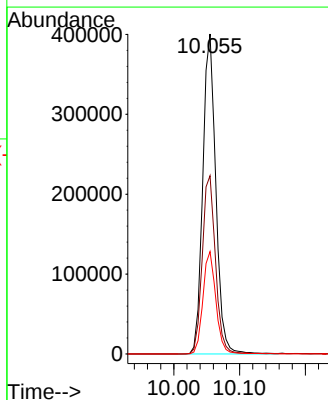
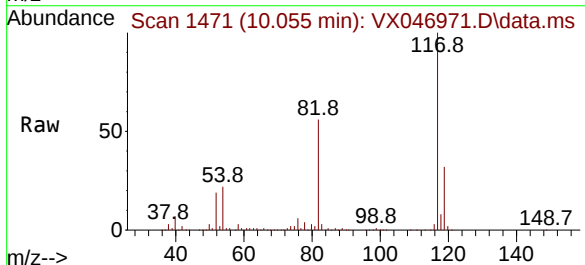
Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0101

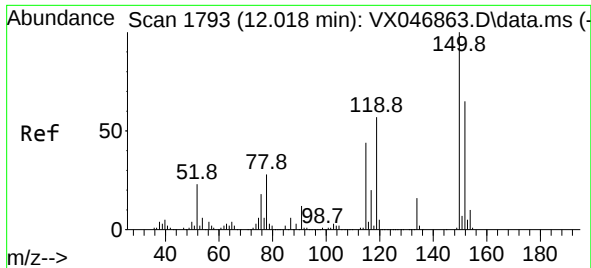
Tgt Ion: 95 Resp: 281153
Ion Ratio Lower Upper
95 100
174 74.0 0.0 152.0
176 71.2 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

Tgt Ion: 117 Resp: 552519
Ion Ratio Lower Upper
117 100
82 55.7 43.3 64.9
119 32.0 26.4 39.6

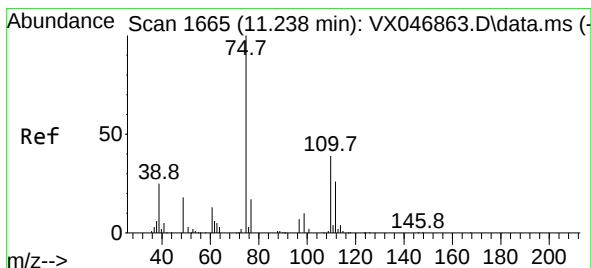
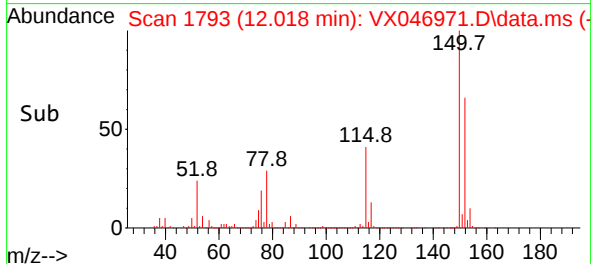
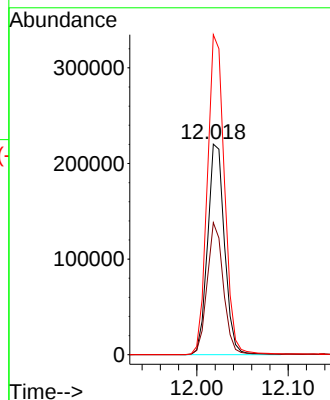
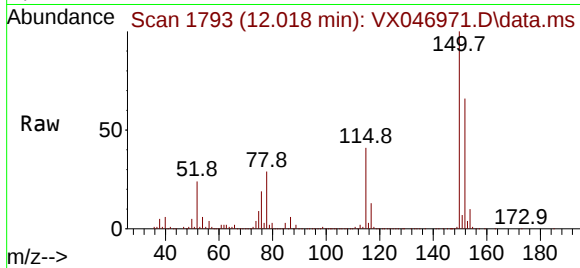




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046971.D
 Acq: 14 Jul 2025 14:19

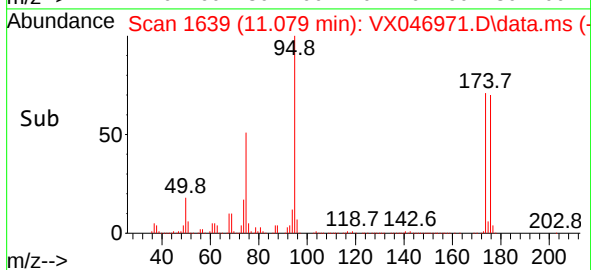
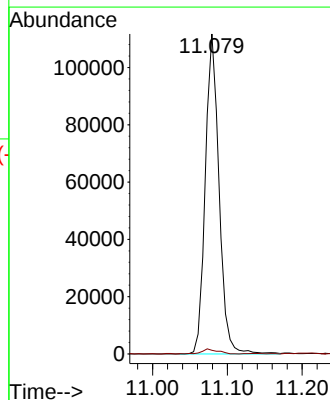
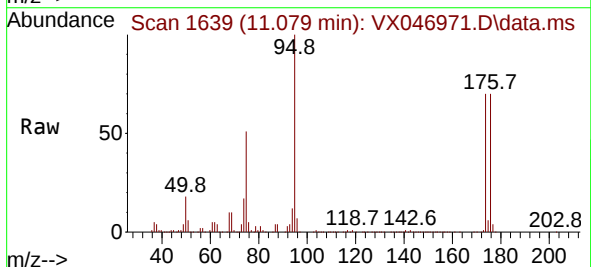
Instrument :
 MSVOA_X
 ClientSampleId :
 LAW-25-0101

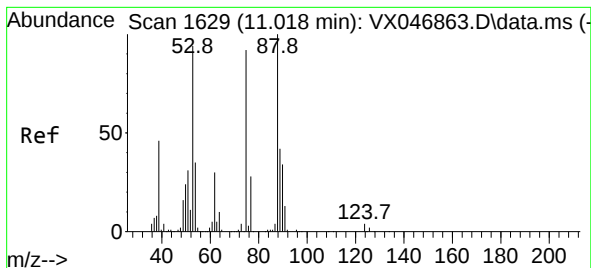
Tgt Ion:152 Resp: 282136
 Ion Ratio Lower Upper
 152 100
 115 60.3 42.4 127.1
 150 154.5 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 32.727 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046971.D
 Acq: 14 Jul 2025 14:19

Tgt Ion: 75 Resp: 142671
 Ion Ratio Lower Upper
 75 100
 77 1.9 20.6 61.8#

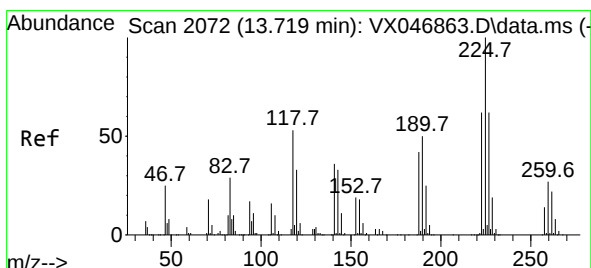
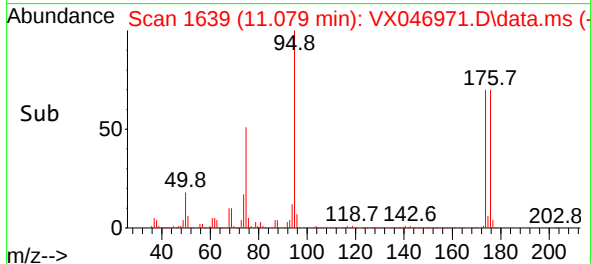
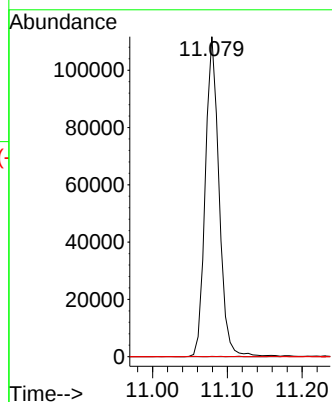
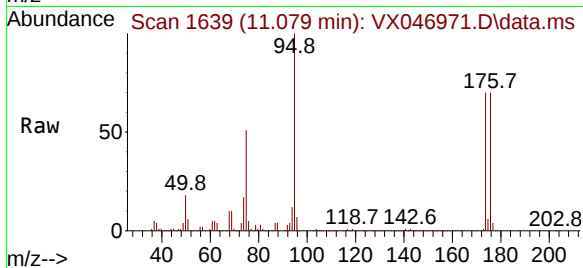




#81
trans-1,4-Dichloro-2-butene
Concen: 87.823 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
LAW-25-0101

Tgt Ion: 75 Resp: 142671
Ion Ratio Lower Upper
75 100
53 0.1 83.7 125.5#
89 0.0 38.2 57.2#



#94
Hexachlorobutadiene
Concen: 0.287 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046971.D
Acq: 14 Jul 2025 14:19

Tgt Ion: 225 Resp: 658
Ion Ratio Lower Upper
225 100
223 61.4 31.6 94.7
227 49.8 31.6 94.7

