

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX047000.D
 Acq On : 15 Jul 2025 14:37
 Operator : JC/MD
 Sample : Q2565-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MOO-25-0192-0193

Quant Time: Jul 16 02:27:08 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)

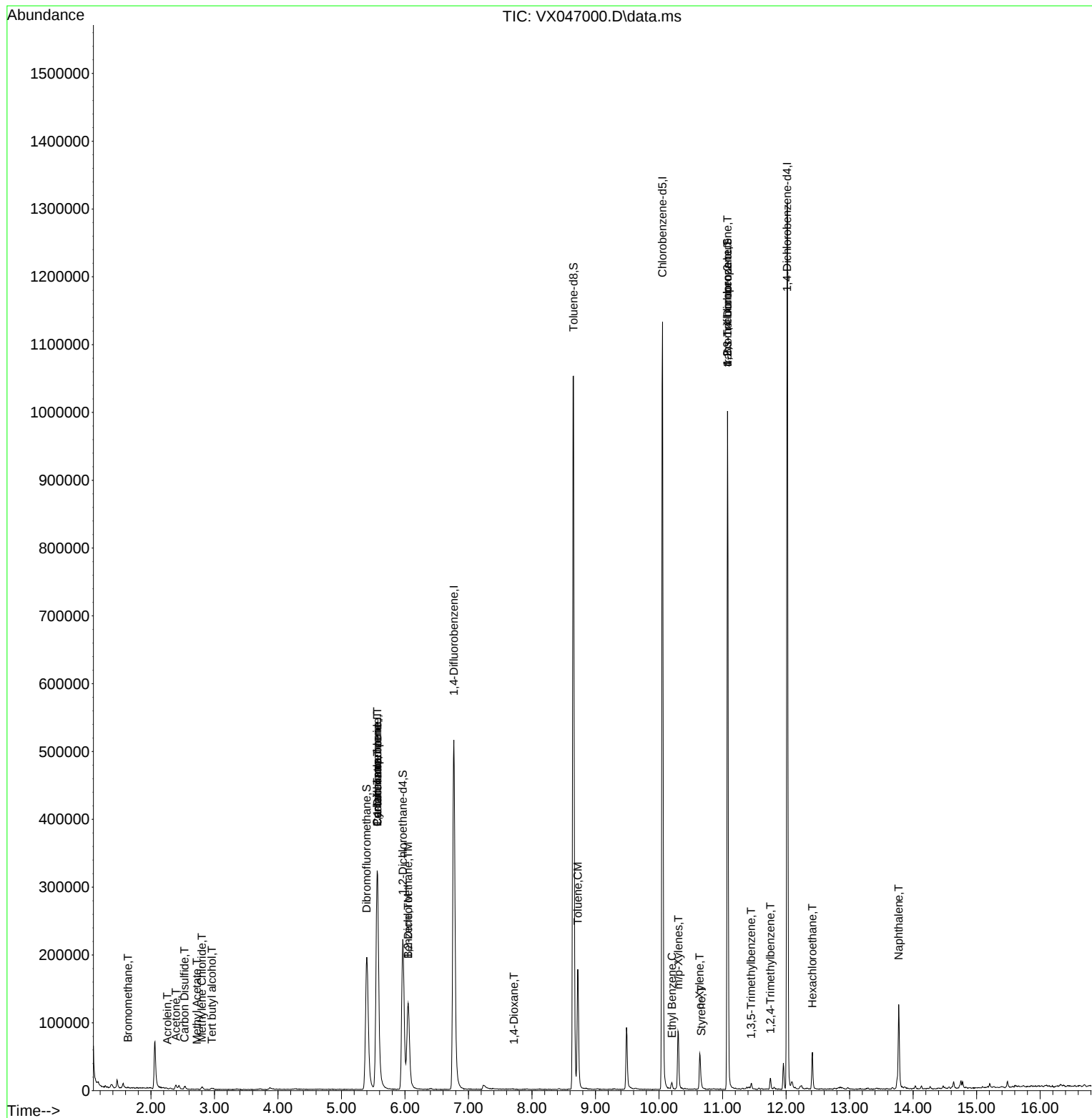
Internal Standards						
1) Pentafluorobenzene	5.562	168	326202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	557916	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	513217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	266080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	233957	54.289	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.580%	
35) Dibromofluoromethane	5.397	113	187782	49.584	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.160%	
50) Toluene-d8	8.653	98	653302	48.893	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.780%	
62) 4-Bromofluorobenzene	11.079	95	269667	53.102	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.200%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	689	0.289	ug/l	83
11) Tert butyl alcohol	2.959	59	159	0.563	ug/l #	72
13) Acrolein	2.258	56	45	2.977	ug/l #	1
16) Acetone	2.392	43	8169	6.103	ug/l	100
17) Carbon Disulfide	2.526	76	2874	0.310	ug/l #	87
18) Methyl Acetate	2.721	43	742	0.210	ug/l #	53
20) Methylene Chloride	2.800	84	1786	0.451	ug/l #	90
31) Cyclohexane	5.562	56	6249	1.014	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	27189	5.321	ug/l #	50
38) Carbon Tetrachloride	5.562	117	34580	6.401	ug/l #	16
40) Benzene	6.050	78	164063	10.615	ug/l	96
42) 1,2-Dichloroethane	6.050	62	1716	0.327	ug/l #	74
49) 1,4-Dioxane	7.714	88	19	0.476	ug/l #	21
52) Toluene	8.720	92	70343	7.345	ug/l	100
67) Ethyl Benzene	10.201	91	6192	0.326	ug/l	95
68) m/p-Xylenes	10.305	106	21877	3.055	ug/l	96
69) o-Xylene	10.640	106	12223	1.767	ug/l	99
70) Styrene	10.665	104	4506	0.381	ug/l #	65
76) 1,2,3-Trichloropropane	11.079	75	137525	33.450	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.451	105	4899	0.322	ug/l	85
81) trans-1,4-Dichloro-2-b...	11.079	75	137525	89.764	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	7700	0.501	ug/l	98
90) Hexachloroethane	12.414	117	2112	0.719	ug/l #	14
95) Naphthalene	13.774	128	74578	4.934	ug/l	99

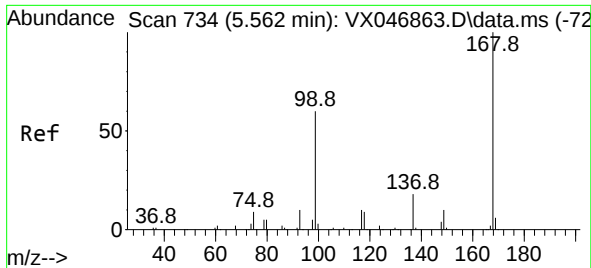
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
MOO-25-0192-0193

Quant Time: Jul 16 02:27:08 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

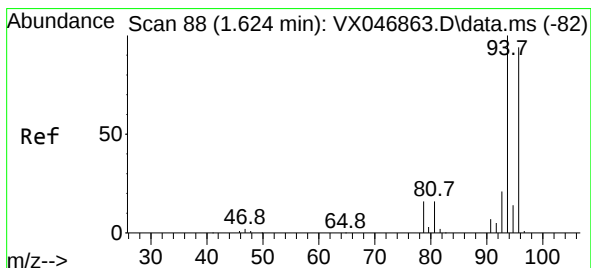
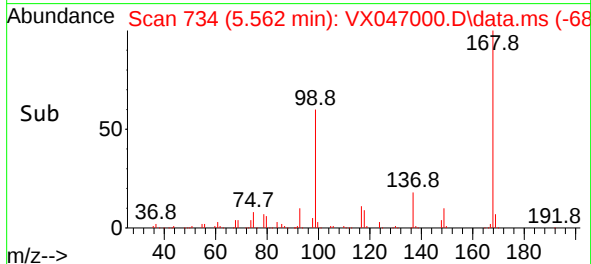
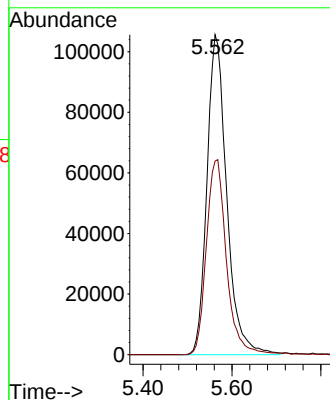
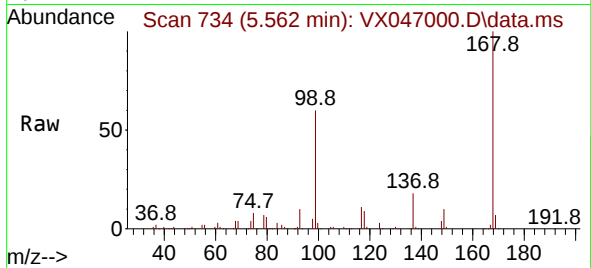




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

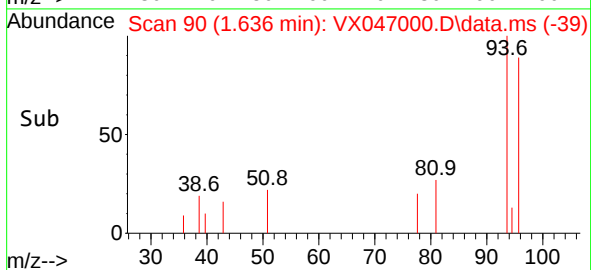
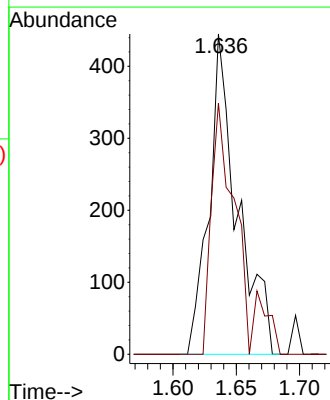
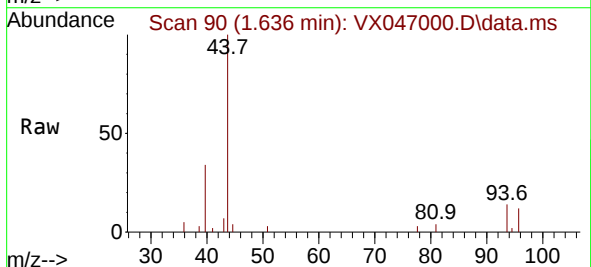
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

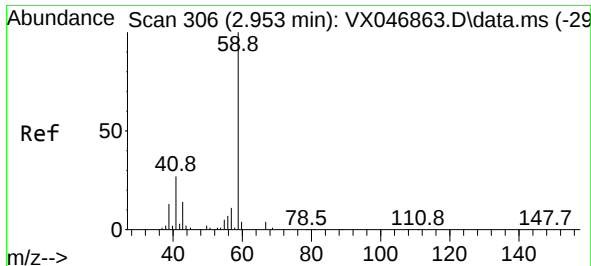
Tgt Ion:168 Resp: 326202
Ion Ratio Lower Upper
168 100
99 60.5 48.8 73.2



#5
Bromomethane
Concen: 0.289 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion: 94 Resp: 689
Ion Ratio Lower Upper
94 100
96 78.4 75.5 113.3





#11

Tert butyl alcohol

Concen: 0.563 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX047000.D

Acq: 15 Jul 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

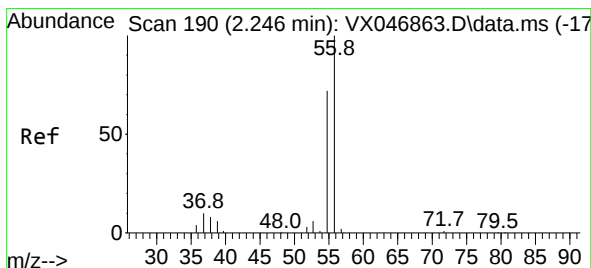
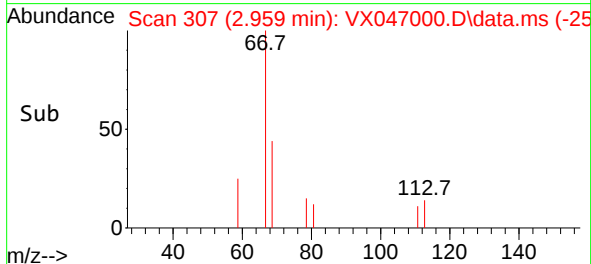
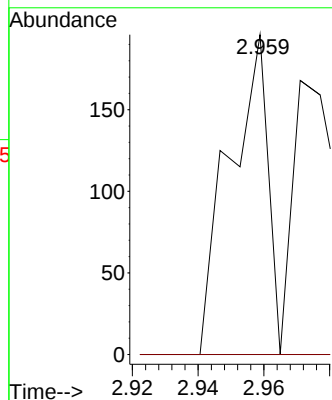
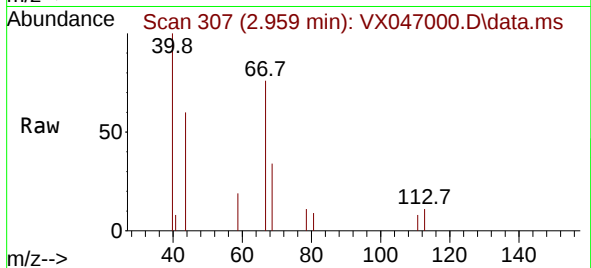
MOO-25-0192-0193

Tgt Ion: 59 Resp: 159

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 2.977 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.012 min

Lab File: VX047000.D

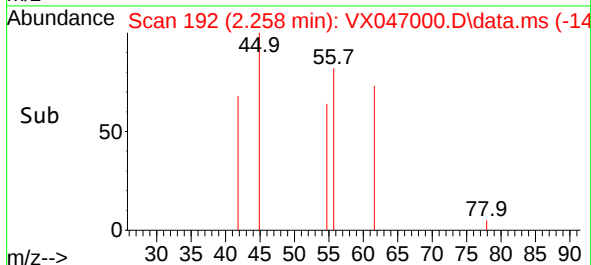
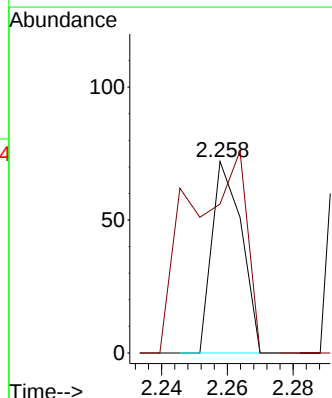
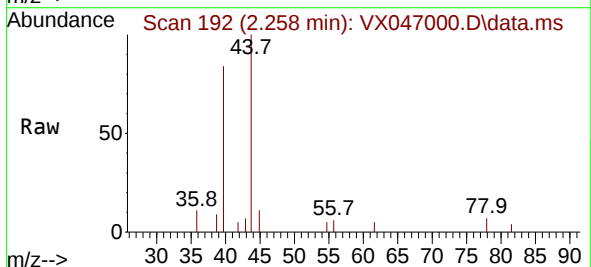
Acq: 15 Jul 2025 14:37

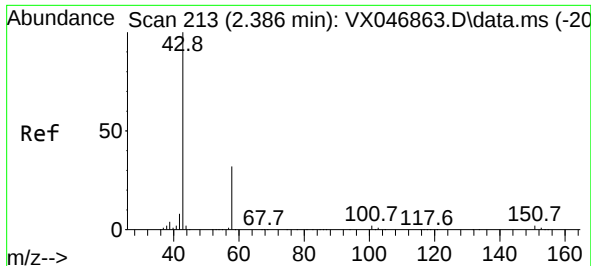
Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

55 200.0 55.5 83.3#

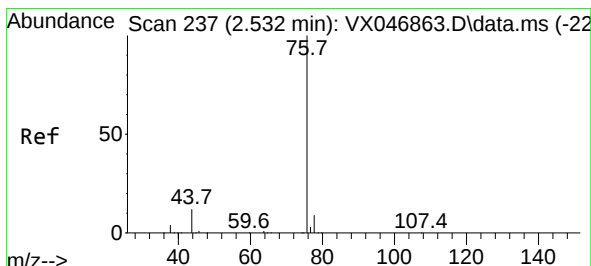
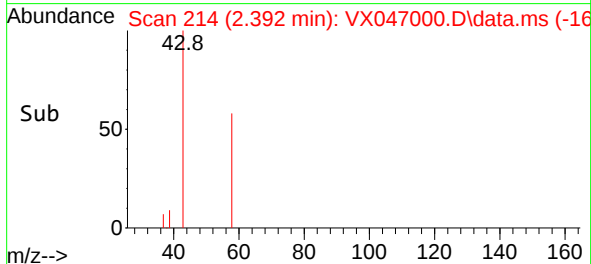
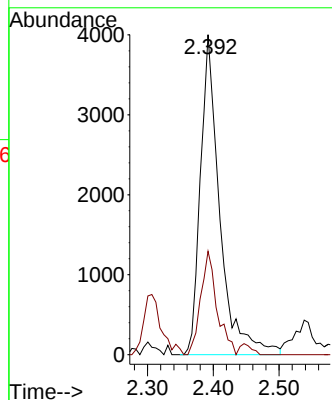
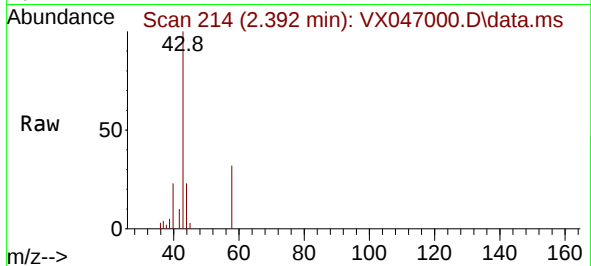




#16
Acetone
Concen: 6.103 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

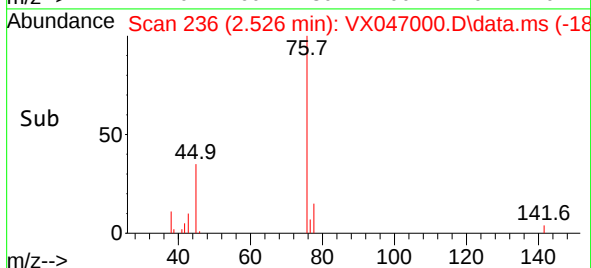
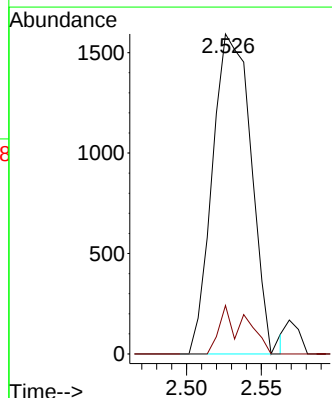
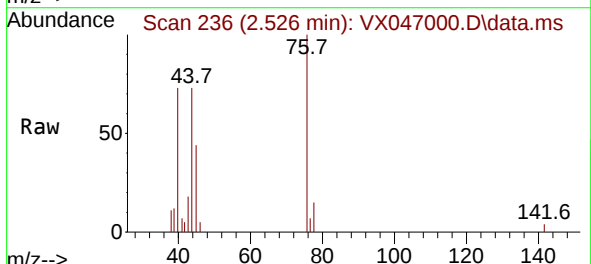
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

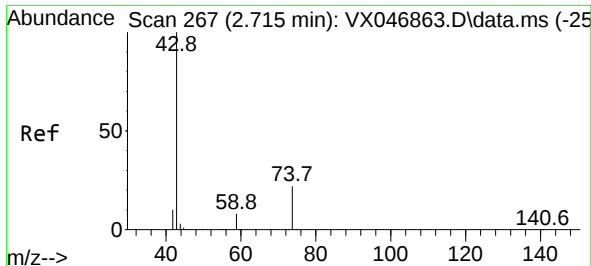
Tgt Ion: 43 Resp: 8169
Ion Ratio Lower Upper
43 100
58 32.3 25.8 38.6



#17
Carbon Disulfide
Concen: 0.310 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion: 76 Resp: 2874
Ion Ratio Lower Upper
76 100
78 14.2 7.4 11.2#

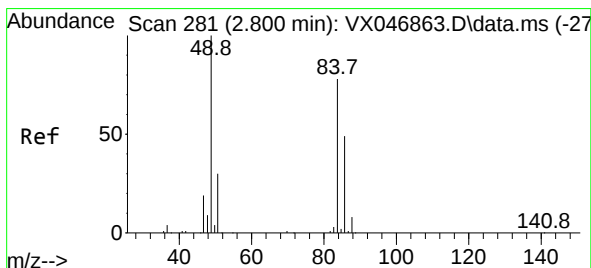
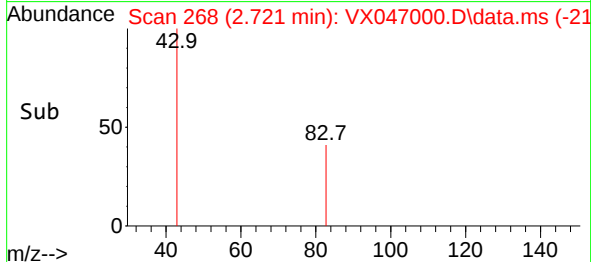
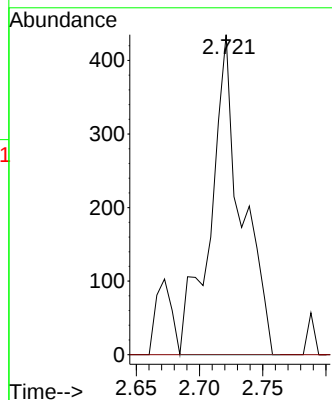
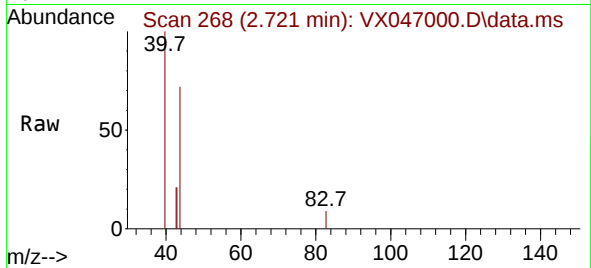




#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

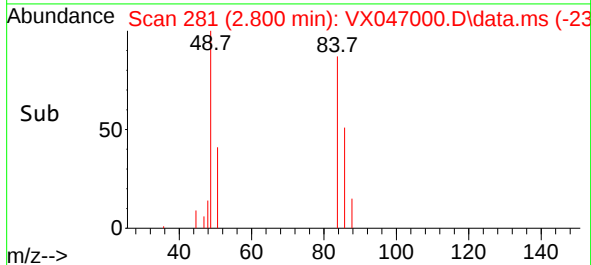
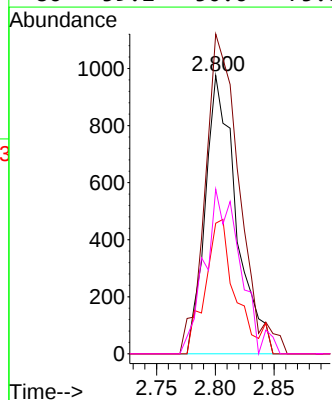
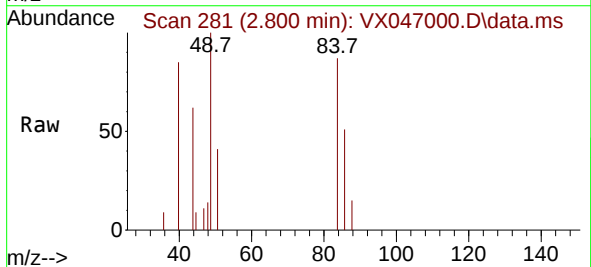
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

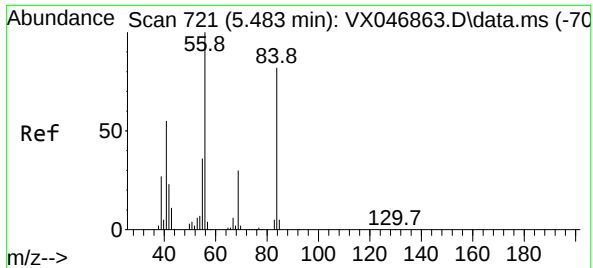
Tgt Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#20
Methylene Chloride
Concen: 0.451 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion: 84 Resp: 1786
Ion Ratio Lower Upper
84 100
49 115.0 102.8 154.2
51 47.0 31.1 46.7#
86 59.2 50.6 75.8

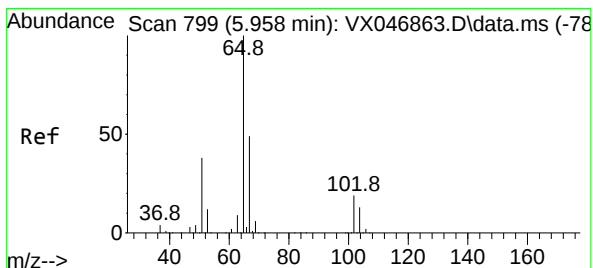
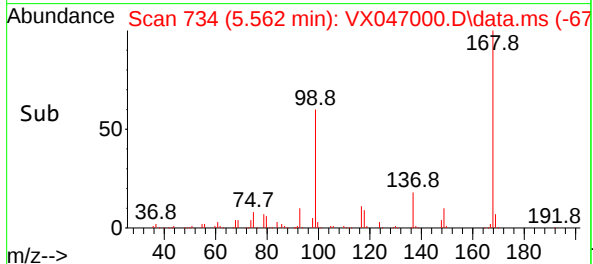
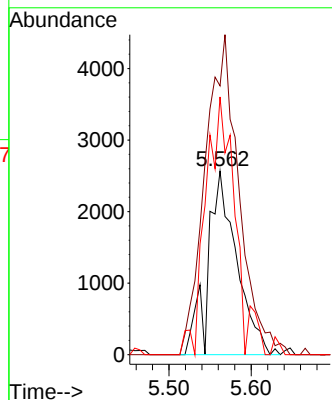
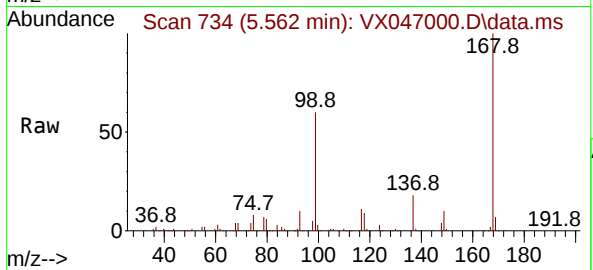




#31
Cyclohexane
Concen: 1.014 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

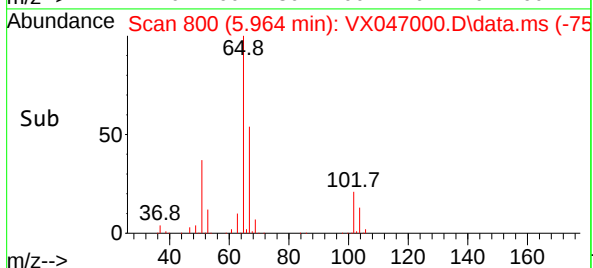
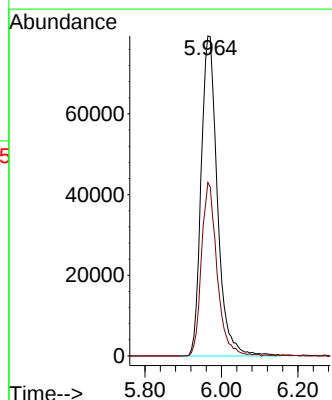
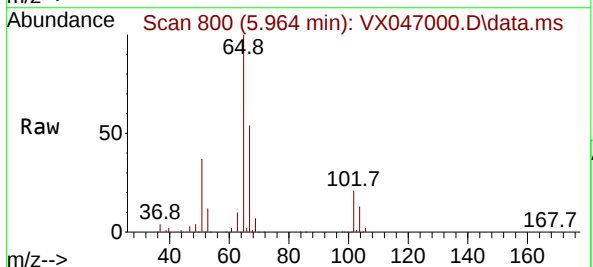
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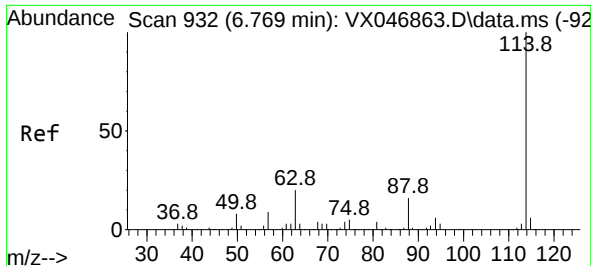
Tgt Ion: 56 Resp: 6249
Ion Ratio Lower Upper
56 100
69 146.3 24.0 36.0#
84 140.3 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 54.289 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion: 65 Resp: 233957
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.2

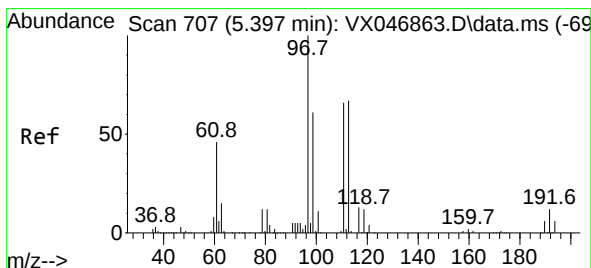
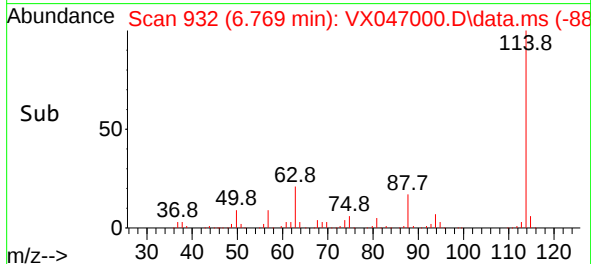
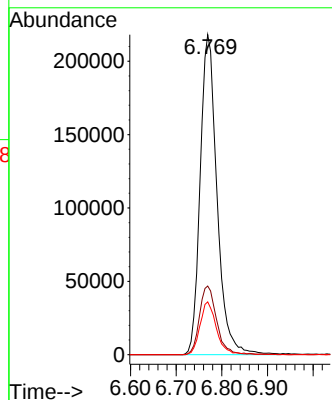
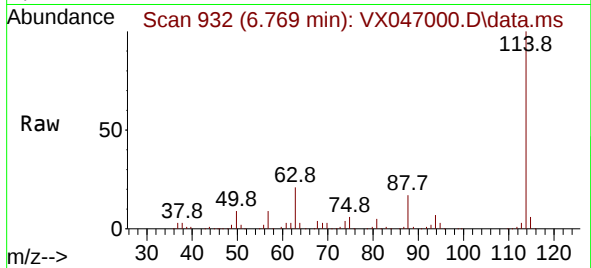




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

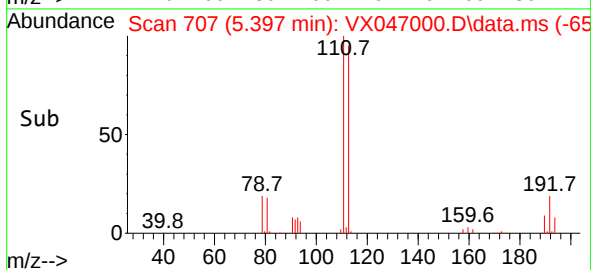
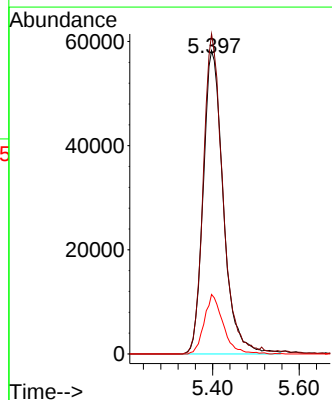
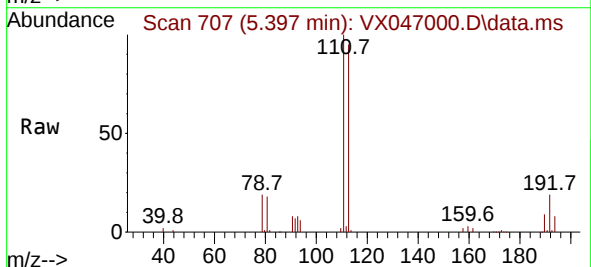
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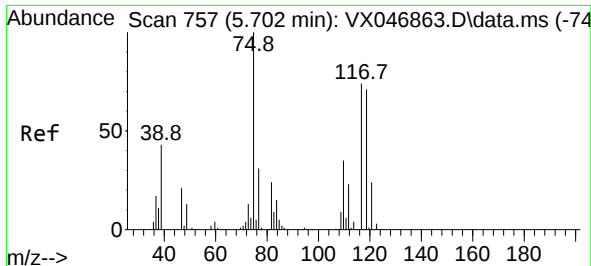
Tgt Ion:114 Resp: 557916
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.4
88 16.5 0.0 31.0



#35
Dibromofluoromethane
Concen: 49.584 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion:113 Resp: 187782
Ion Ratio Lower Upper
113 100
111 102.6 81.2 121.8
192 18.5 15.3 22.9

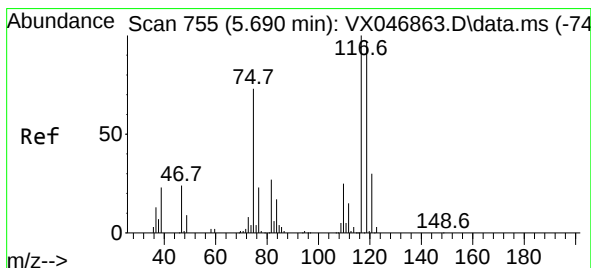
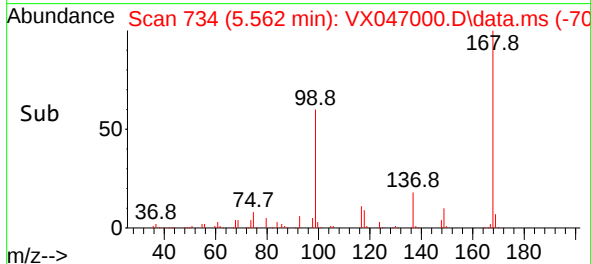
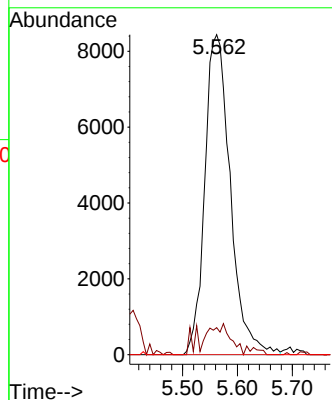
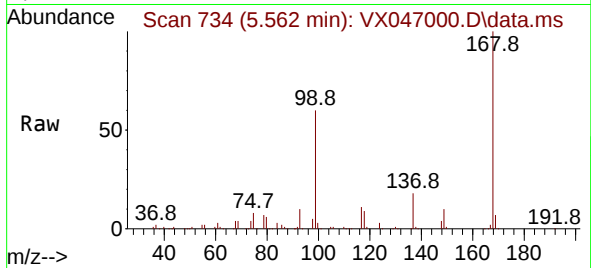




#36
1,1-Dichloropropene
Concen: 5.321 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

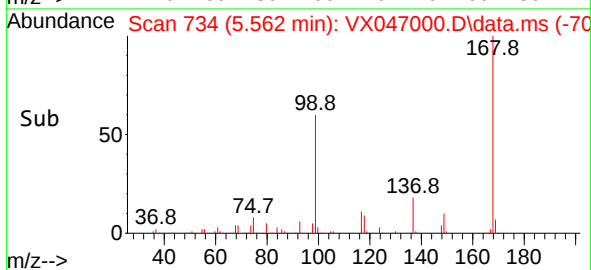
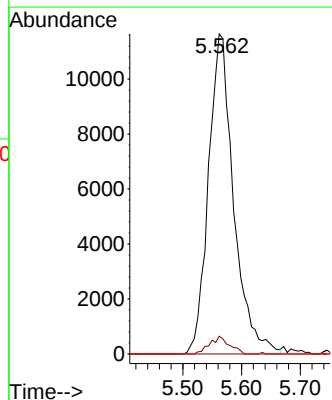
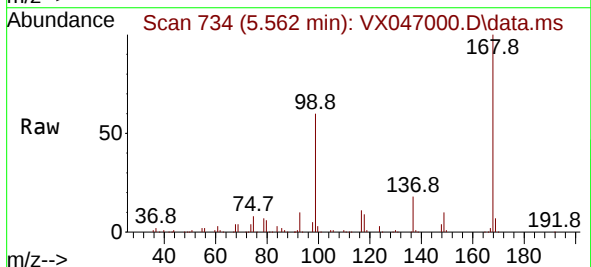
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

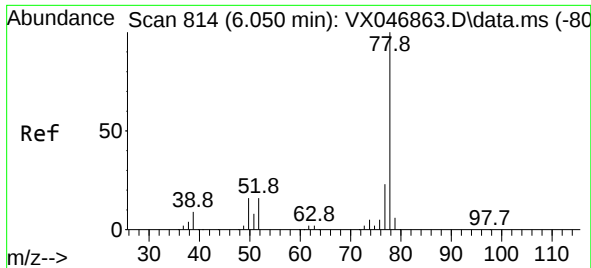
Tgt Ion: 75 Resp: 27189
Ion Ratio Lower Upper
75 100
110 8.4 17.3 51.9#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.401 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion: 117 Resp: 34580
Ion Ratio Lower Upper
117 100
119 5.6 76.6 114.8#
121 0.0 24.1 36.1#





#40

Benzene

Concen: 10.615 ug/l

RT: 6.050 min Scan# 814

Delta R.T. -0.000 min

Lab File: VX047000.D

Acq: 15 Jul 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

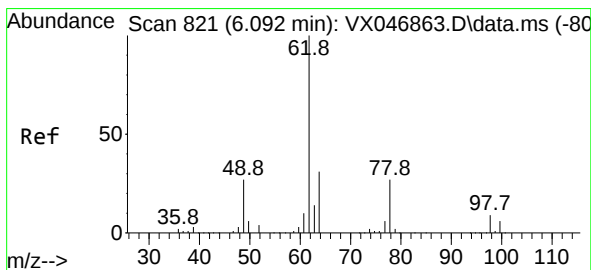
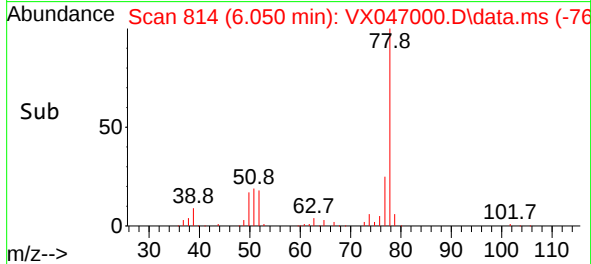
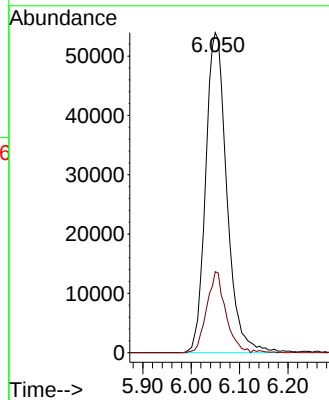
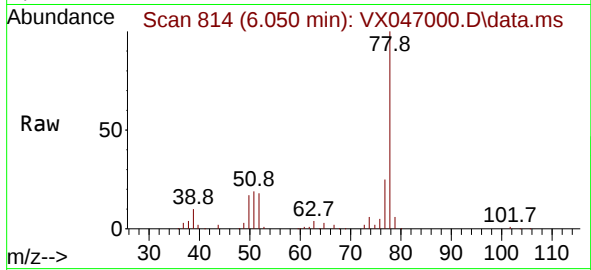
MOO-25-0192-0193

Tgt Ion: 78 Resp: 164063

Ion Ratio Lower Upper

78 100

77 25.3 18.7 28.1



#42

1,2-Dichloroethane

Concen: 0.327 ug/l

RT: 6.050 min Scan# 814

Delta R.T. -0.043 min

Lab File: VX047000.D

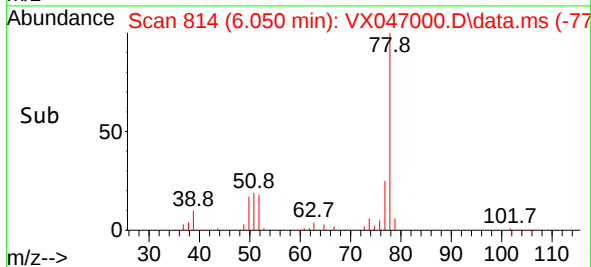
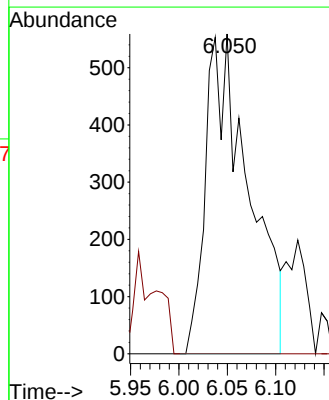
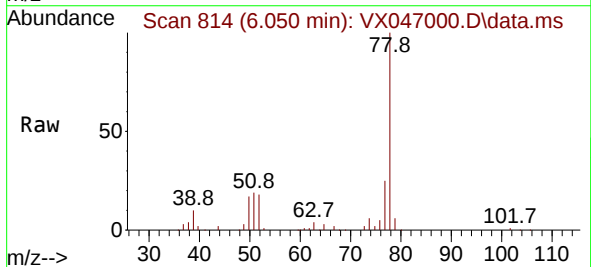
Acq: 15 Jul 2025 14:37

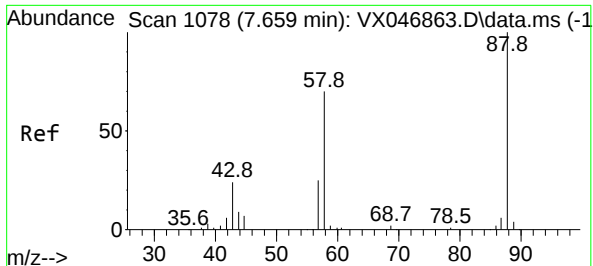
Tgt Ion: 62 Resp: 1716

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4





#49

1,4-Dioxane

Concen: 0.476 ug/l

RT: 7.714 min Scan# 1087

Delta R.T. 0.055 min

Lab File: VX047000.D

Acq: 15 Jul 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

MOO-25-0192-0193

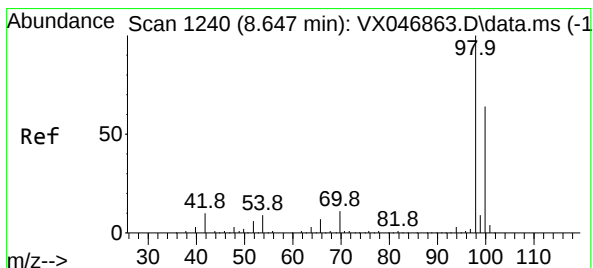
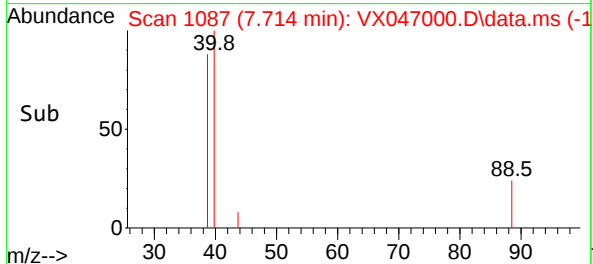
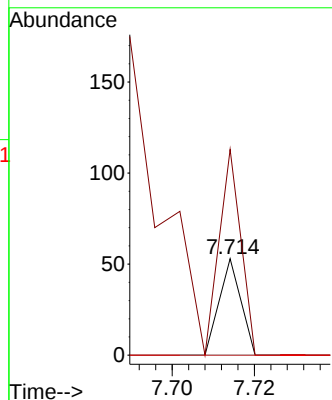
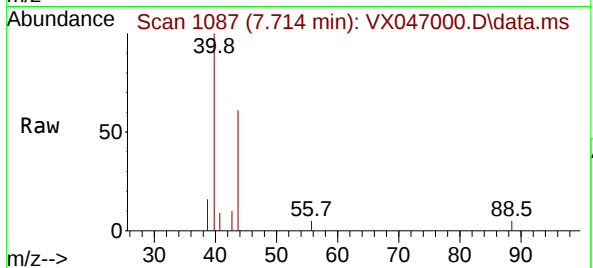
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 31.7 47.5#

58 0.0 57.5 86.3#



#50

Toluene-d8

Concen: 48.893 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX047000.D

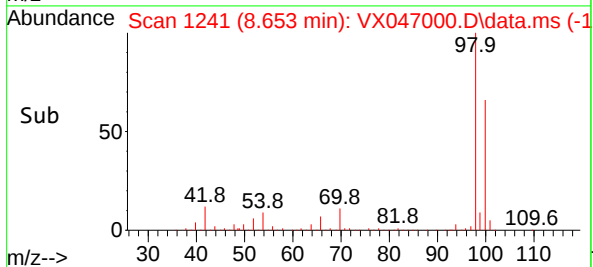
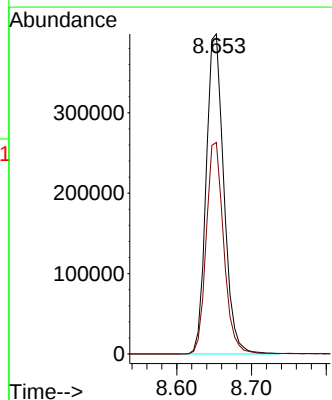
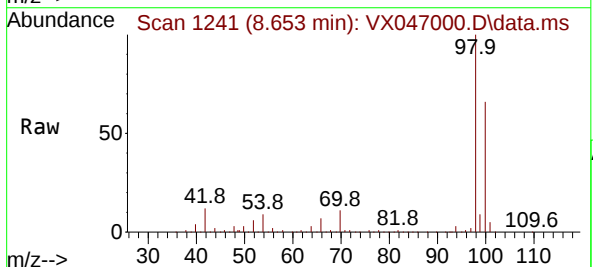
Acq: 15 Jul 2025 14:37

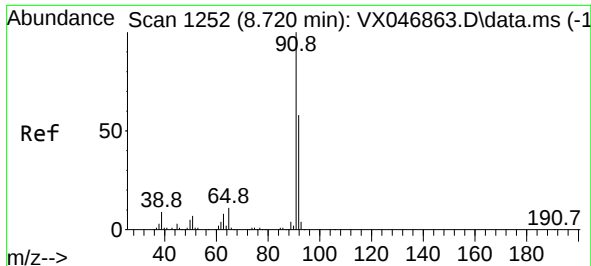
Tgt Ion: 98 Resp: 653302

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6

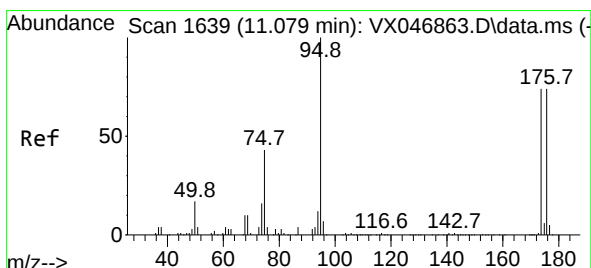
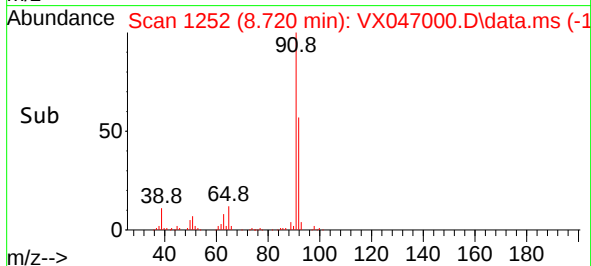
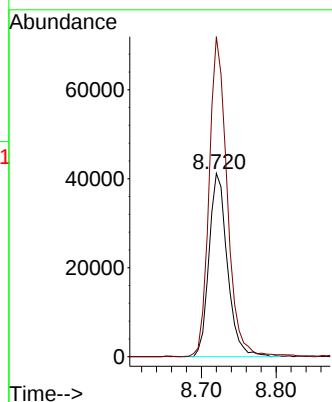
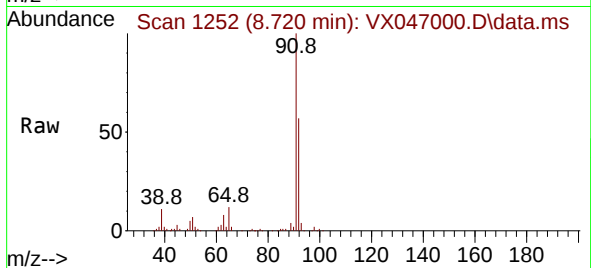




#52
Toluene
Concen: 7.345 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

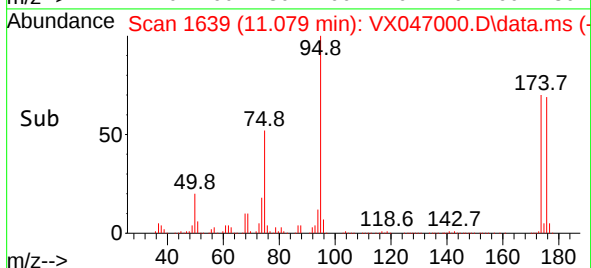
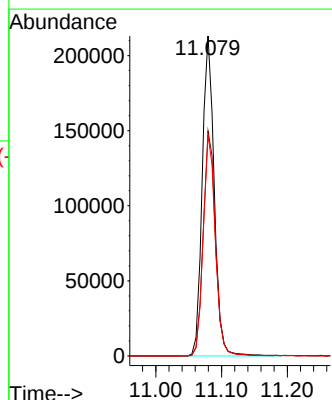
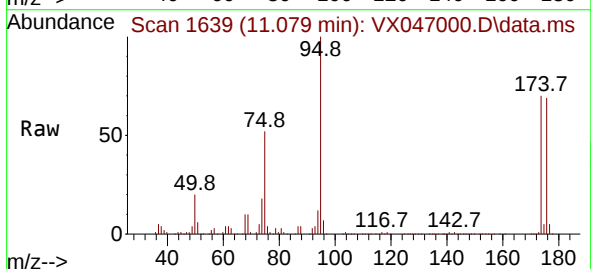
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

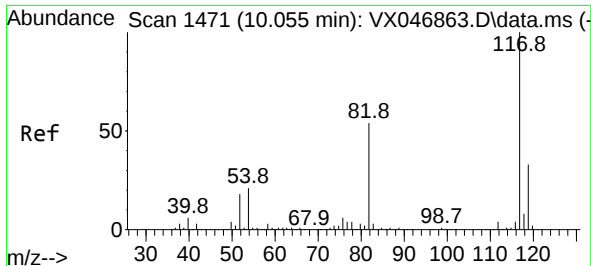
Tgt Ion: 92 Resp: 70343
Ion Ratio Lower Upper
92 100
91 171.9 137.9 206.9



#62
4-Bromofluorobenzene
Concen: 53.102 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion: 95 Resp: 269667
Ion Ratio Lower Upper
95 100
174 72.1 0.0 152.0
176 69.8 0.0 145.2

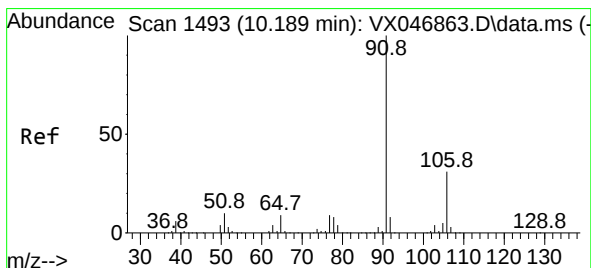
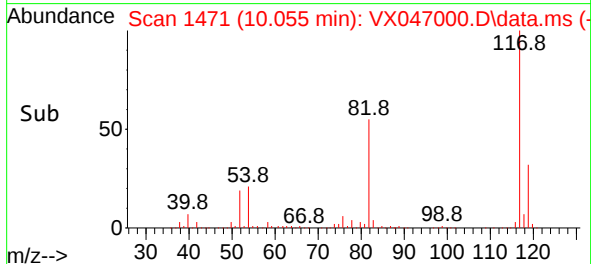
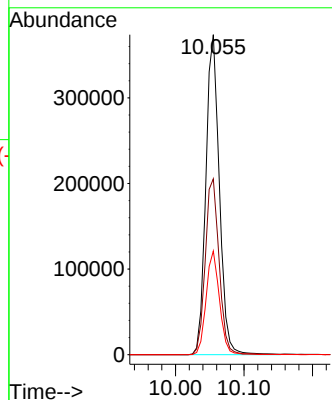
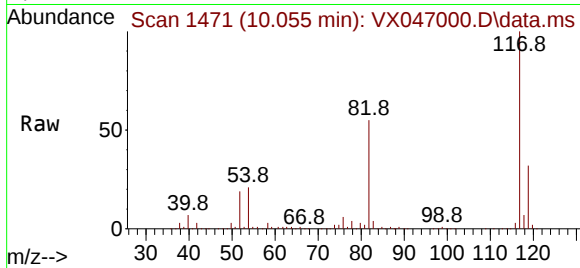




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

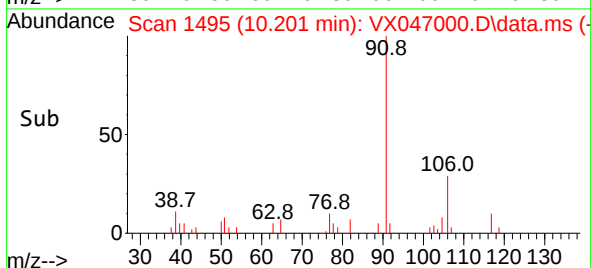
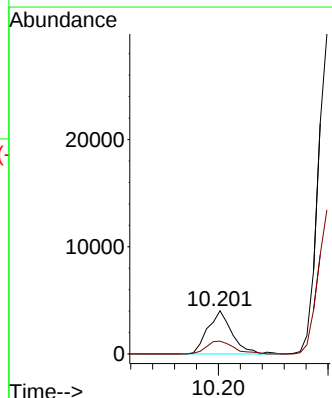
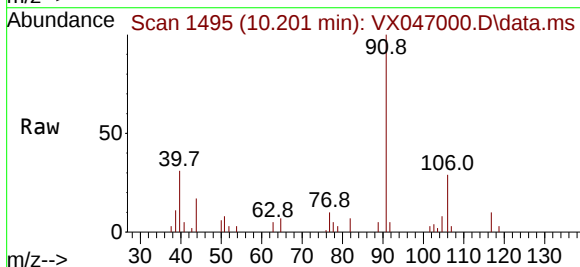
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

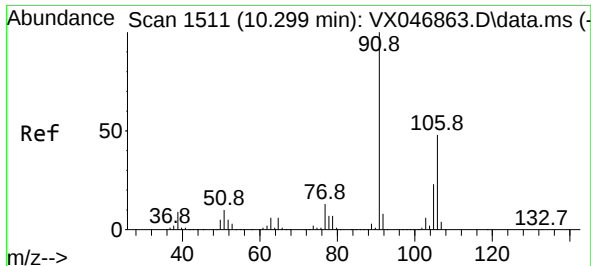
Tgt Ion:117 Resp: 513217
Ion Ratio Lower Upper
117 100
82 54.9 43.3 64.9
119 32.4 26.4 39.6



#67
Ethyl Benzene
Concen: 0.326 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.012 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion: 91 Resp: 6192
Ion Ratio Lower Upper
91 100
106 28.0 24.4 36.6

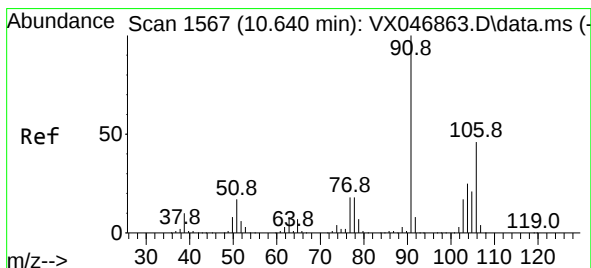
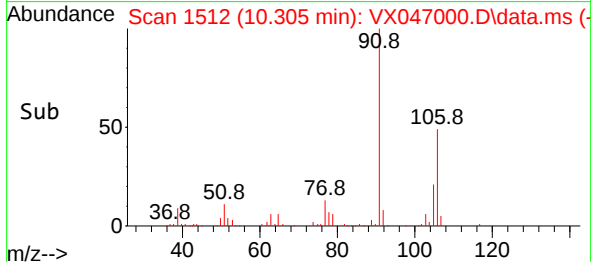
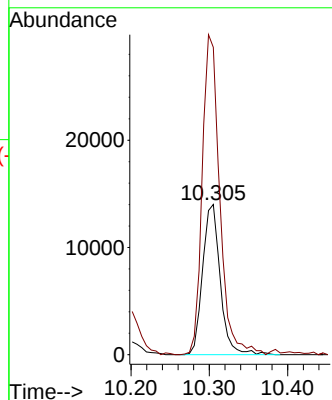
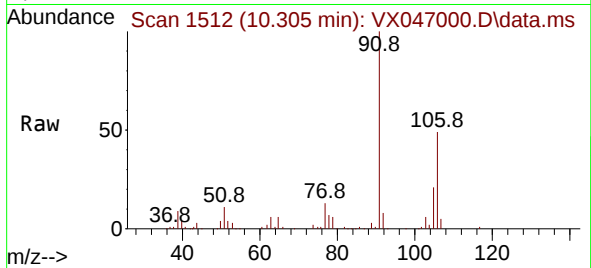




#68
m/p-Xylenes
Concen: 3.055 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

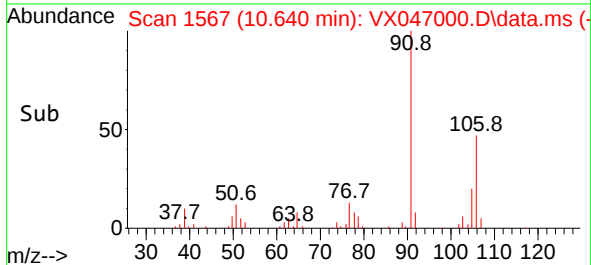
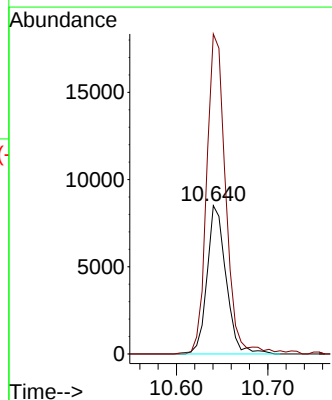
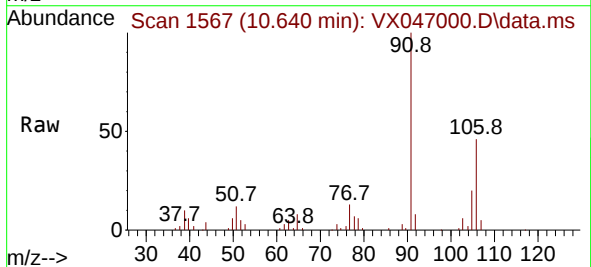
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

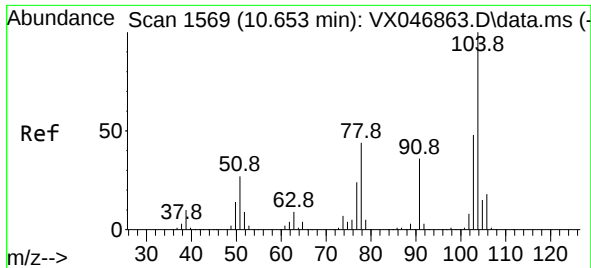
Tgt Ion:106 Resp: 21877
Ion Ratio Lower Upper
106 100
91 211.3 164.6 246.8



#69
o-Xylene
Concen: 1.767 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion:106 Resp: 12223
Ion Ratio Lower Upper
106 100
91 217.1 109.5 328.5

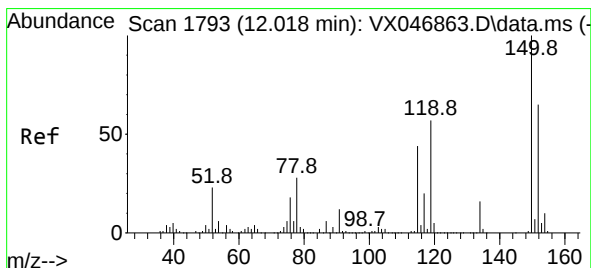
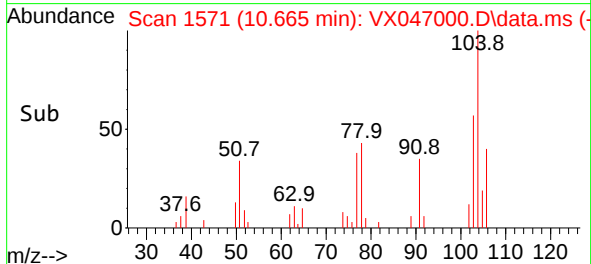
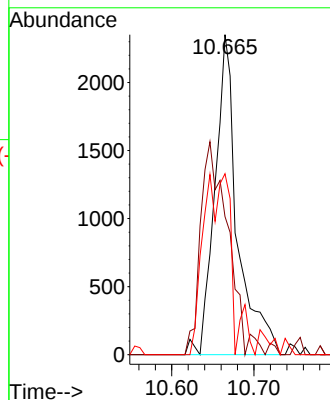
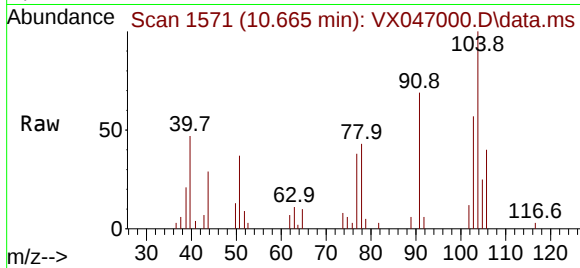




#70
Styrene
Concen: 0.381 ug/l
RT: 10.665 min Scan# 1569
Delta R.T. 0.012 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

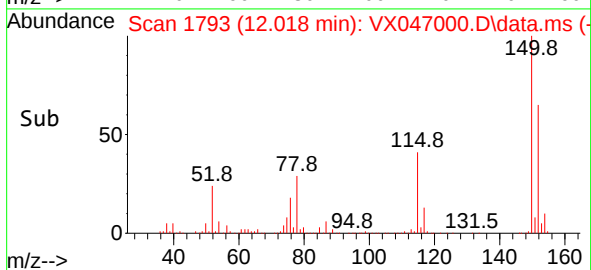
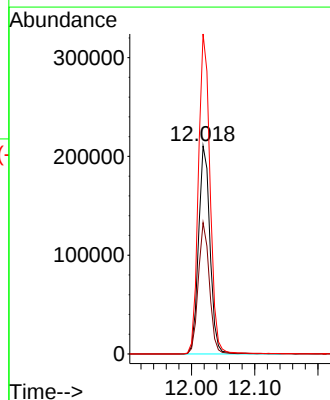
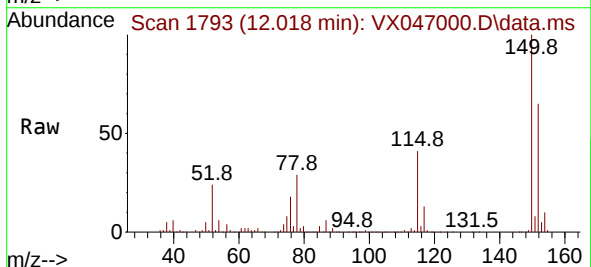
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

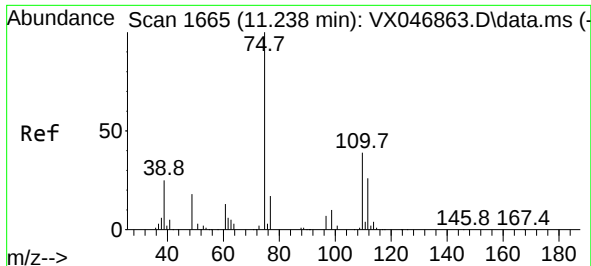
Tgt Ion:104 Resp: 4506
Ion Ratio Lower Upper
104 100
78 80.4 40.3 60.5#
103 34.6 42.8 64.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion:152 Resp: 266080
Ion Ratio Lower Upper
152 100
115 61.5 42.4 127.1
150 156.3 0.0 349.2

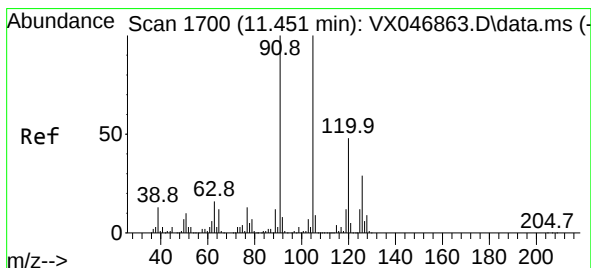
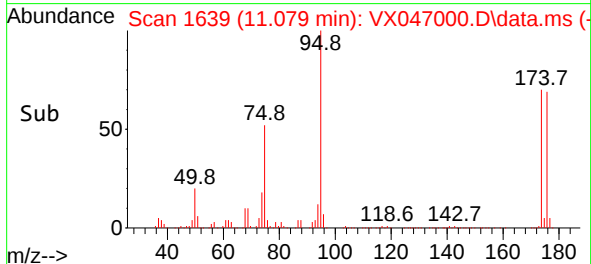
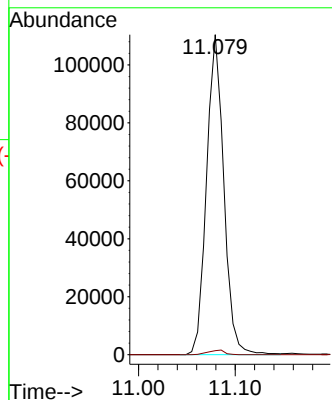
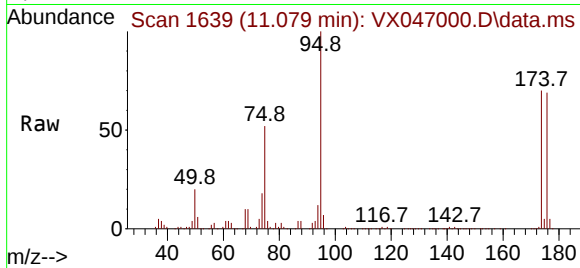




#76
1,2,3-Trichloropropane
Concen: 33.450 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.159 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

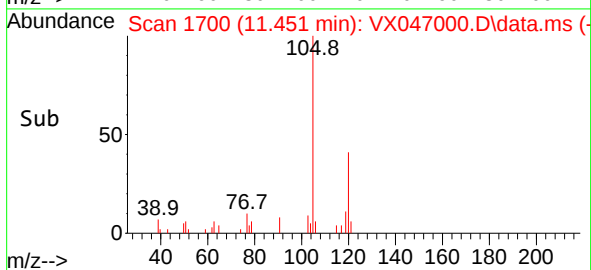
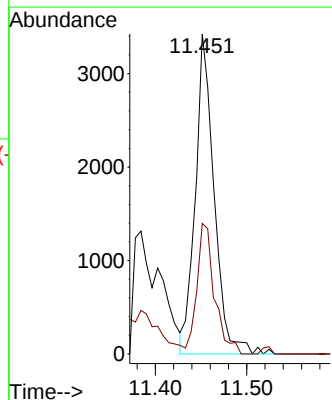
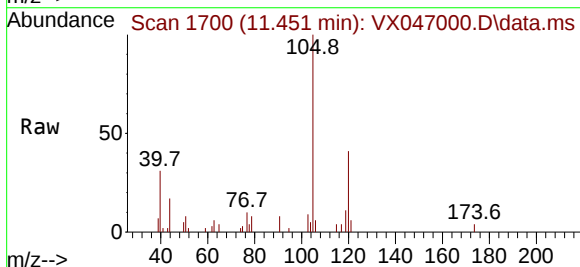
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

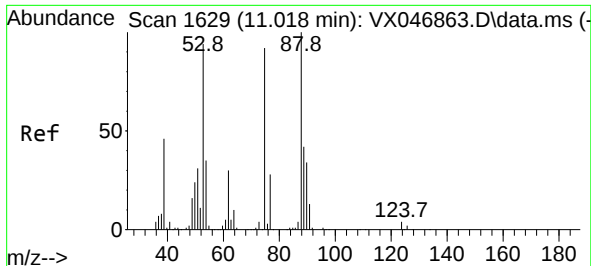
Tgt Ion: 75 Resp: 137525
Ion Ratio Lower Upper
75 100
77 1.4 20.6 61.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.322 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion:105 Resp: 4899
Ion Ratio Lower Upper
105 100
120 38.2 24.1 72.4

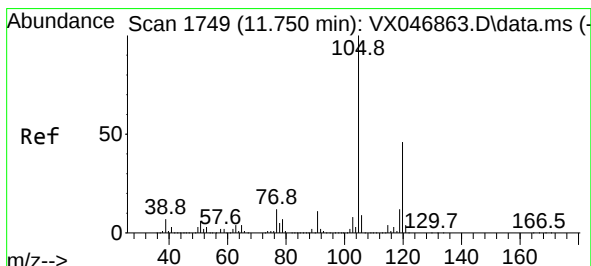
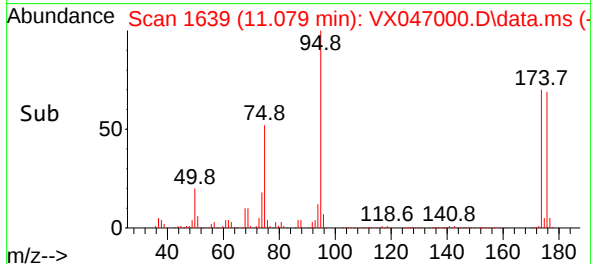
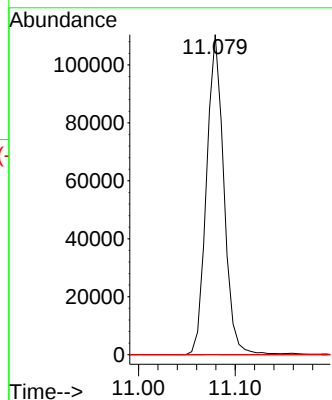
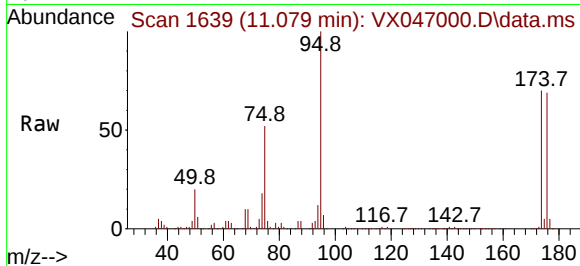




#81
trans-1,4-Dichloro-2-butene
Concen: 89.764 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

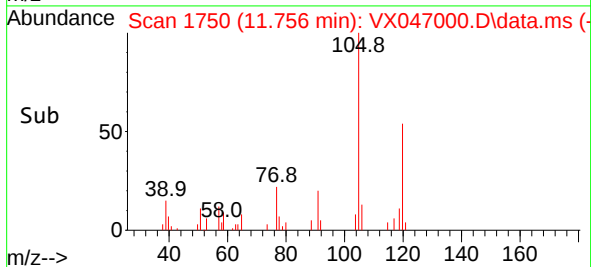
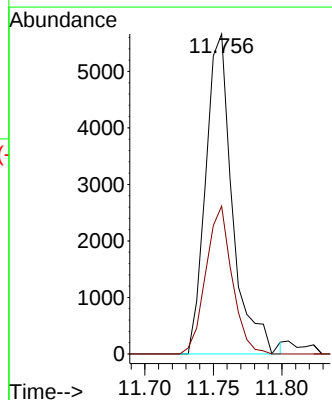
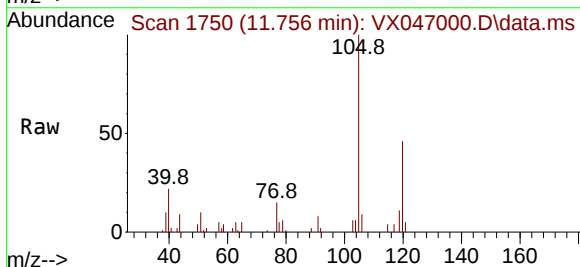
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

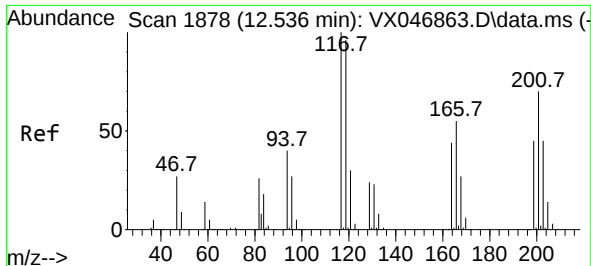
Tgt Ion: 75 Resp: 137525
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.501 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion: 105 Resp: 7700
Ion Ratio Lower Upper
105 100
120 45.1 23.3 69.8

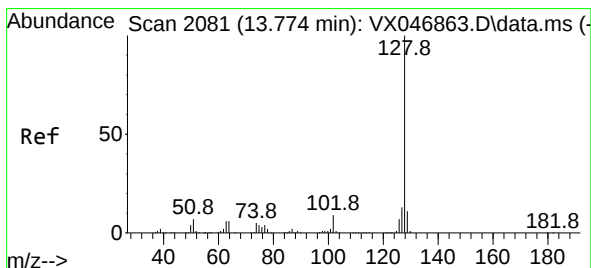
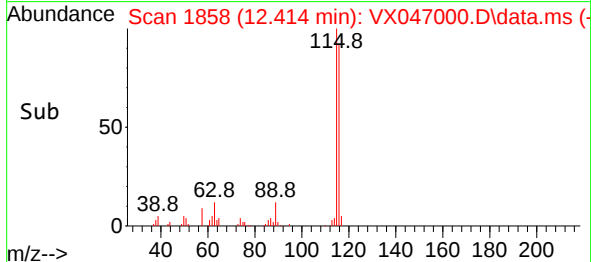
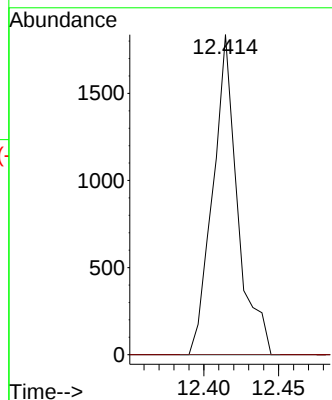
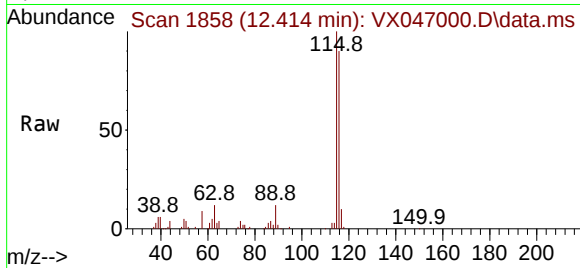




#90
Hexachloroethane
Concen: 0.719 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.122 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0192-0193

Tgt Ion:117 Resp: 2112
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#



#95
Naphthalene
Concen: 4.934 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047000.D
Acq: 15 Jul 2025 14:37

Tgt Ion:128 Resp: 74578
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.9 8.6 13.0

