

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047496.D
 Acq On : 22 Aug 2025 14:40
 Operator : JC/MD
 Sample : Q2903-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18A-081925

Quant Time: Aug 25 01:28:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

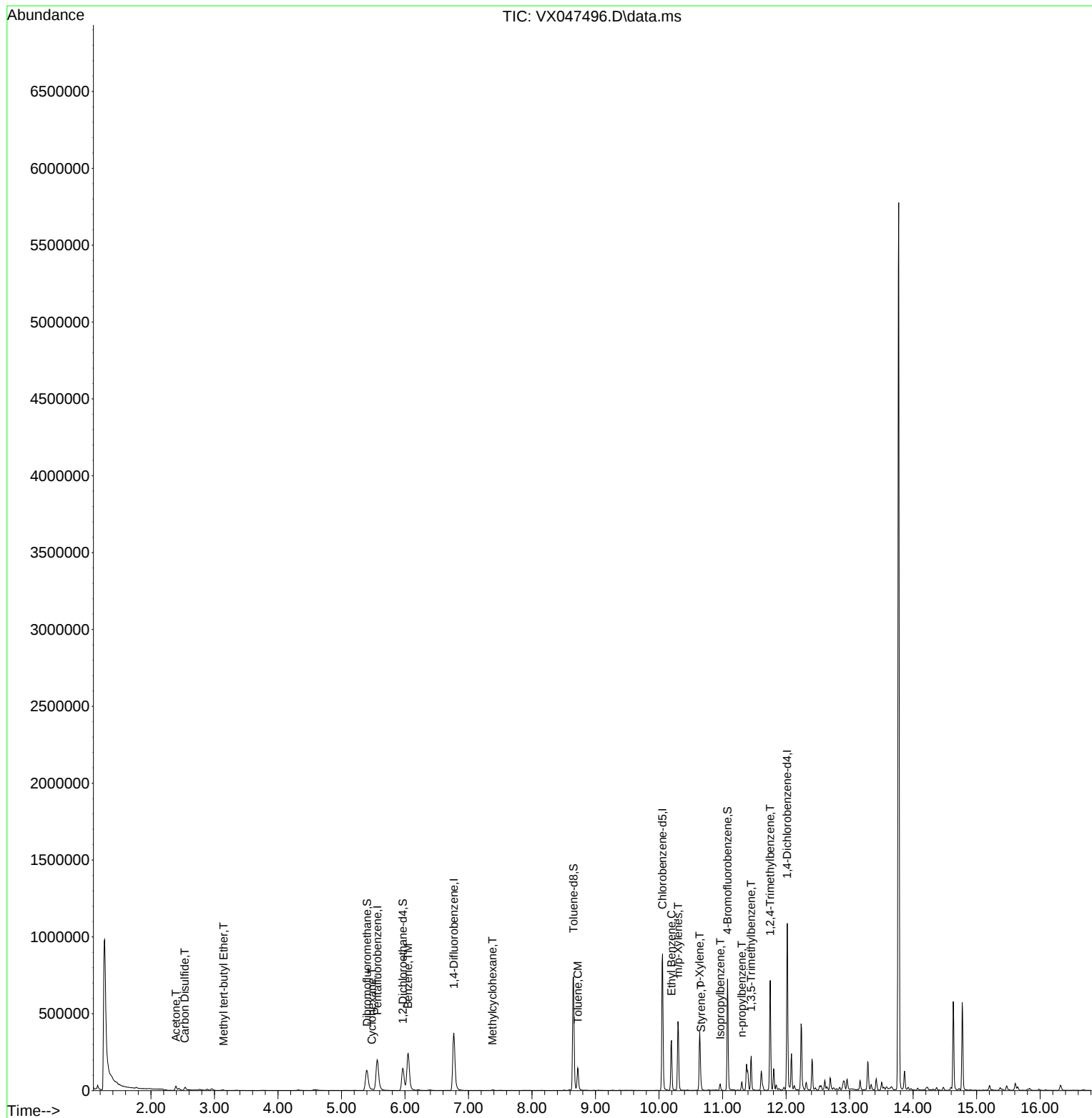
Internal Standards						
1) Pentafluorobenzene	5.562	168	199275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	403908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	398616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152353	54.628	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.260%		
35) Dibromofluoromethane	5.403	113	130650	49.840	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.680%		
50) Toluene-d8	8.653	98	454304	48.487	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 96.980%		
62) 4-Bromofluorobenzene	11.079	95	191142	55.282	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 110.560%		
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	35682	34.038	ug/l	96
17) Carbon Disulfide	2.532	76	11323	1.496	ug/l	99
19) Methyl tert-butyl Ether	3.142	73	3440	0.451	ug/l #	75
31) Cyclohexane	5.477	56	3138	0.699	ug/l #	86
39) Methylcyclohexane	7.379	83	1574	0.305	ug/l #	82
40) Benzene	6.050	78	312949	25.266	ug/l	99
52) Toluene	8.720	92	56330	7.360	ug/l	99
67) Ethyl Benzene	10.195	91	191385	11.739	ug/l	99
68) m/p-Xylenes	10.299	106	104028	17.112	ug/l	98
69) o-Xylene	10.640	106	76267	13.036	ug/l	99
70) Styrene	10.659	104	25441	2.574	ug/l #	57
73) Isopropylbenzene	10.963	105	21162	1.282	ug/l	98
78) n-propylbenzene	11.305	91	33641	1.707	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	96424	7.102	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	303775	22.373	ug/l	99

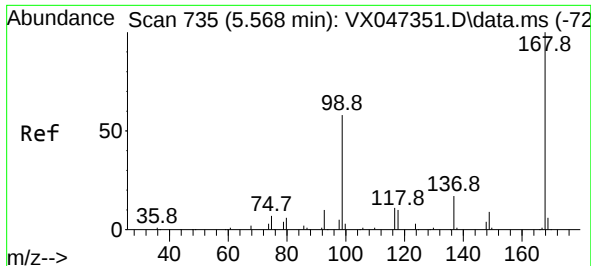
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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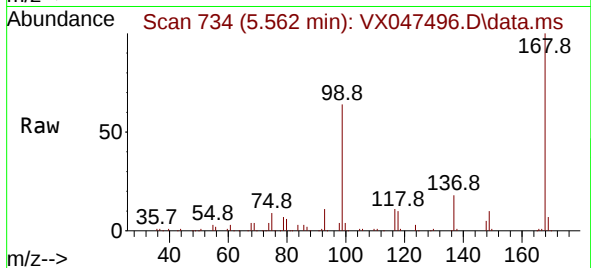
Quant Time: Aug 25 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
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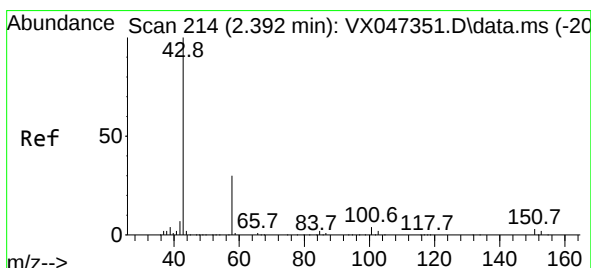
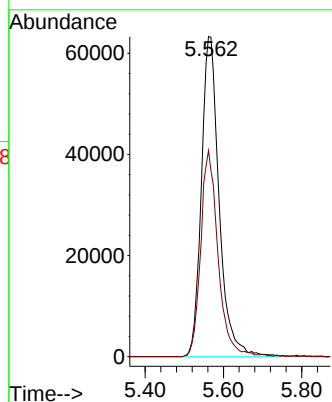
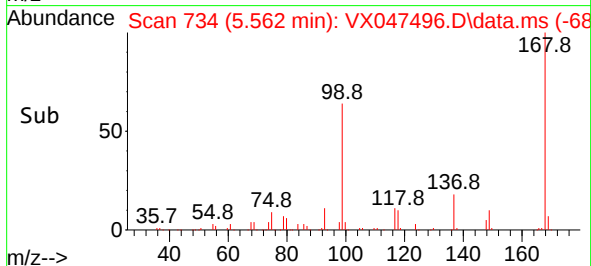


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

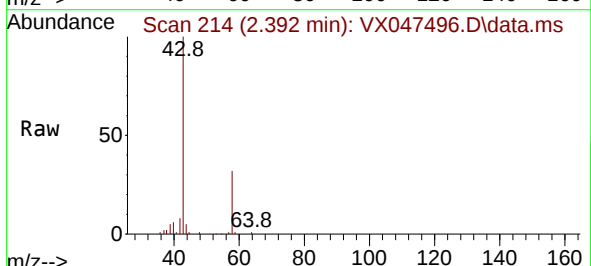
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MSVOA_X
ClientSampleId :
MW-18A-081925



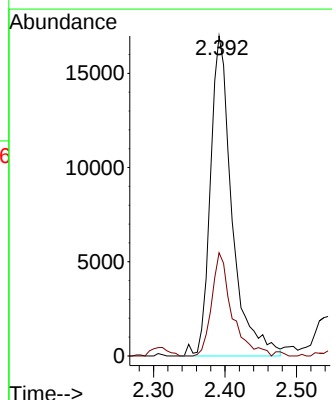
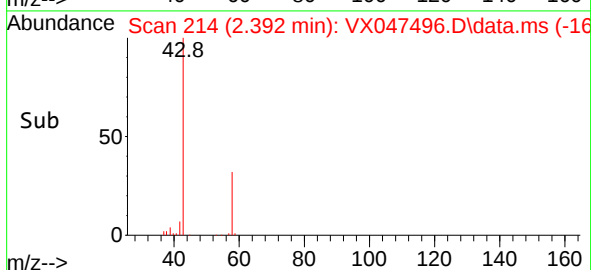
Tgt Ion:168 Resp: 199275
Ion Ratio Lower Upper
168 100
99 64.4 47.9 71.9

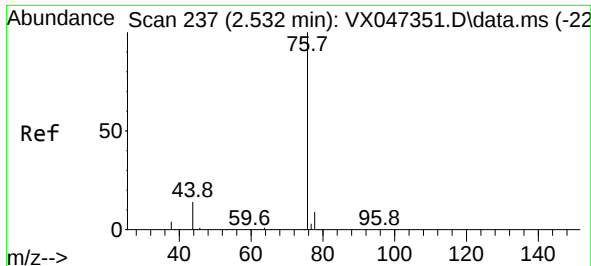


#16
Acetone
Concen: 34.038 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40



Tgt Ion: 43 Resp: 35682
Ion Ratio Lower Upper
43 100
58 33.0 24.8 37.2

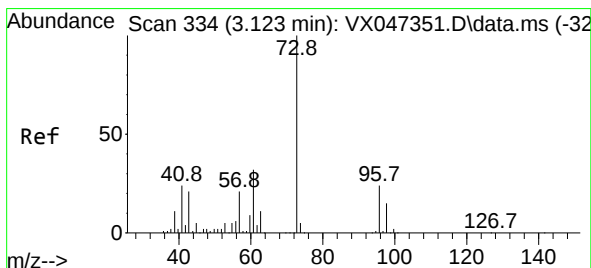
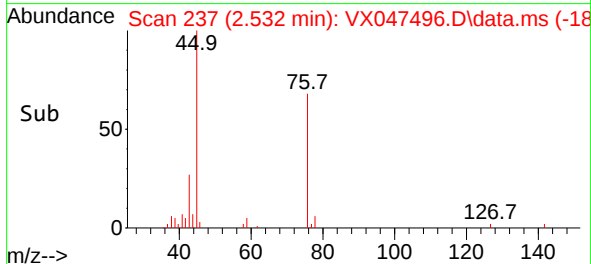
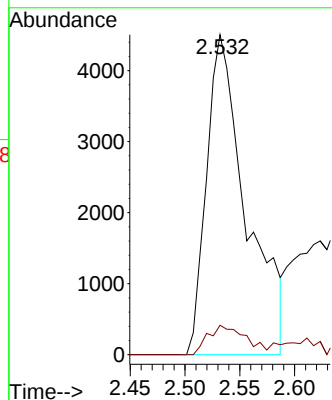
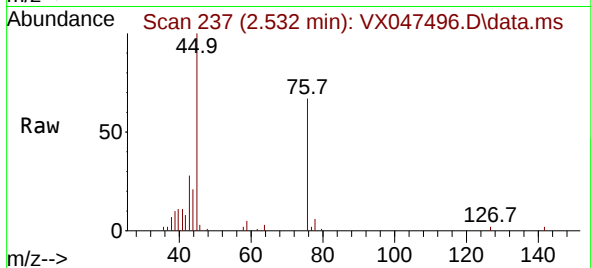




#17
Carbon Disulfide
Concen: 1.496 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

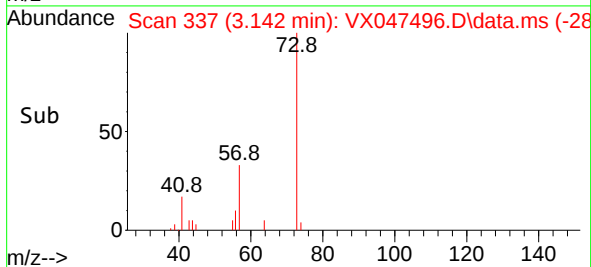
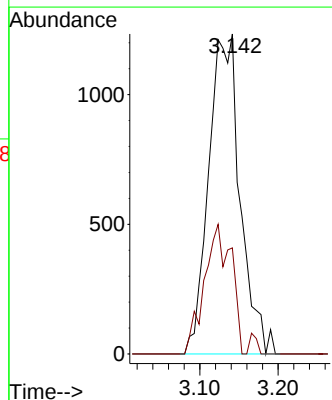
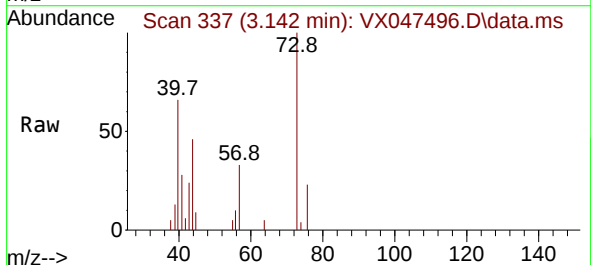
Instrument :
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ClientSampleId :
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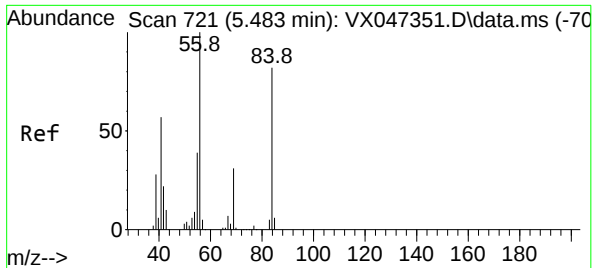
Tgt Ion: 76 Resp: 11323
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#19
Methyl tert-butyl Ether
Concen: 0.451 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.018 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 73 Resp: 3440
Ion Ratio Lower Upper
73 100
57 33.1 17.0 25.6#

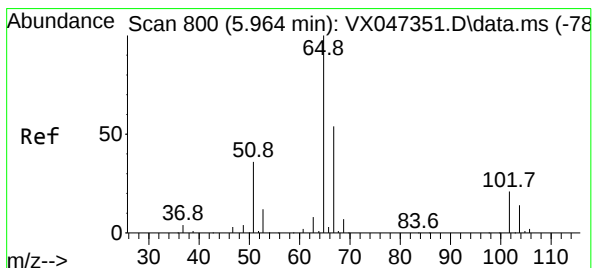
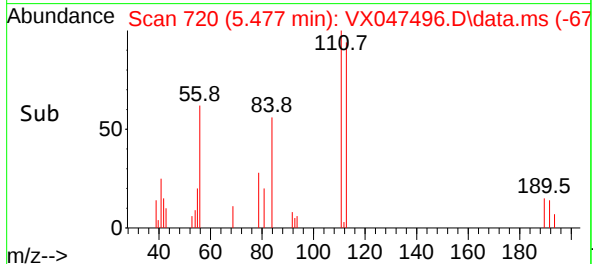
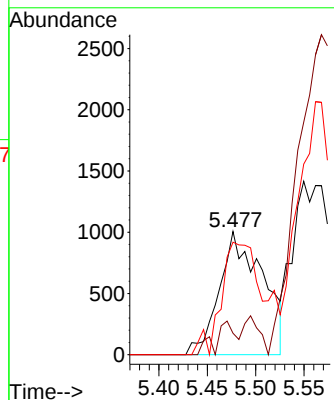
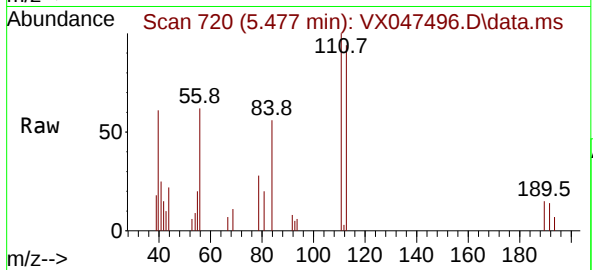




#31
Cyclohexane
Concen: 0.699 ug/l
RT: 5.477 min Scan# 721
Delta R.T. -0.006 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

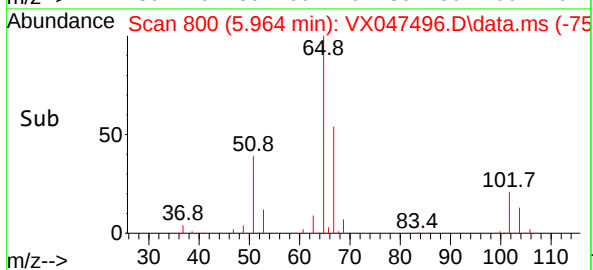
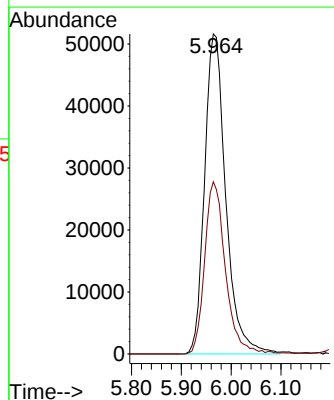
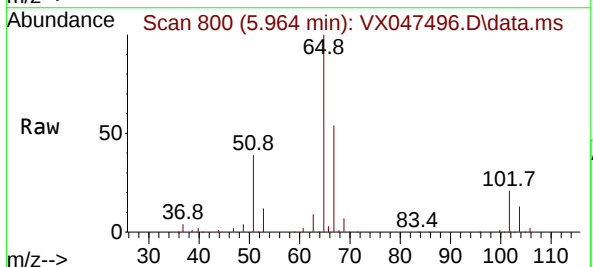
Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

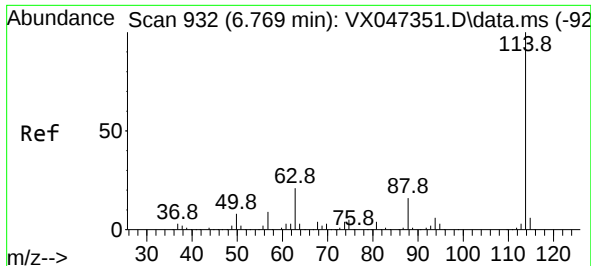
Tgt Ion: 56 Resp: 3138
Ion Ratio Lower Upper
56 100
69 17.4 24.3 36.5#
84 91.4 65.3 97.9



#33
1,2-Dichloroethane-d4
Concen: 54.628 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 65 Resp: 152353
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.0

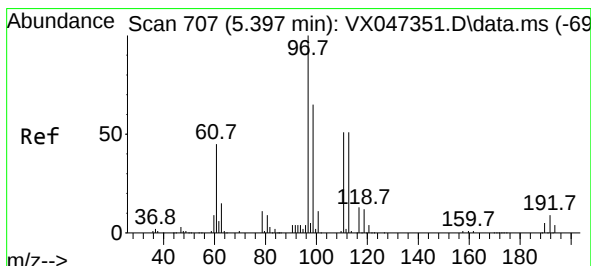
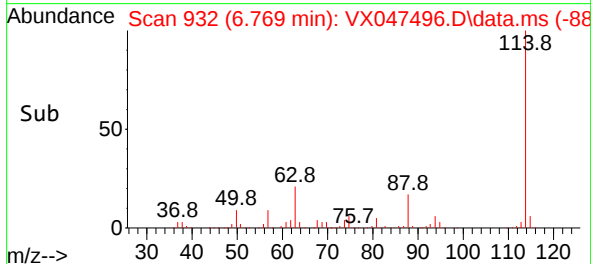
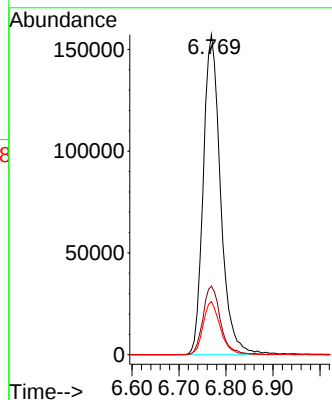
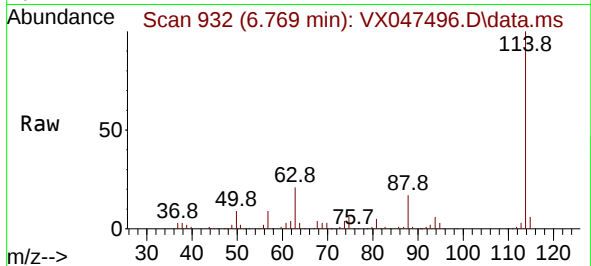




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

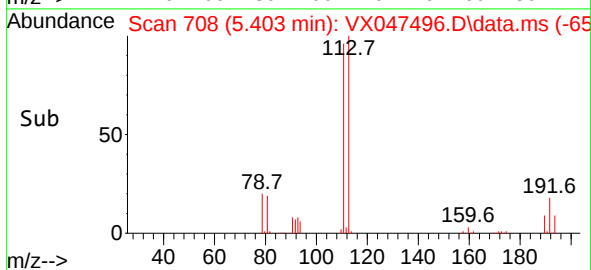
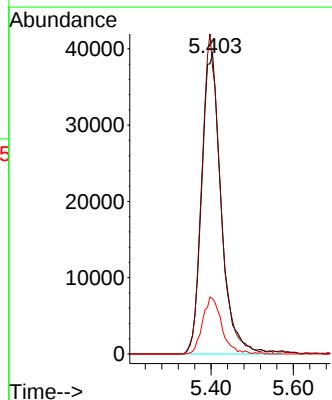
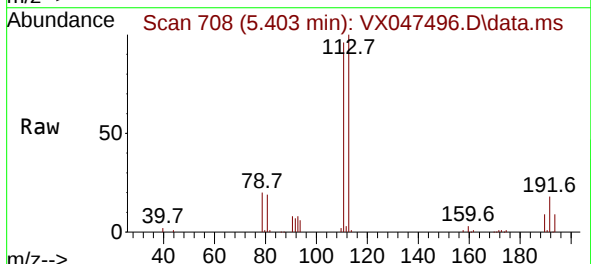
Instrument :
MSVOA_X
ClientSampleId :
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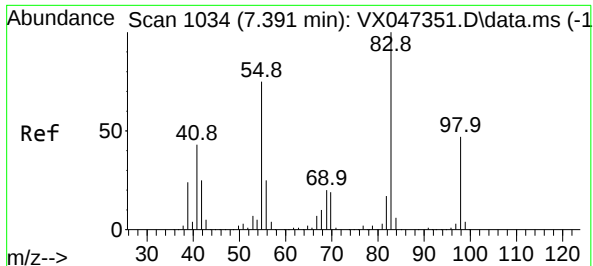
Tgt Ion:114 Resp: 403908
Ion Ratio Lower Upper
114 100
63 21.4 0.0 42.4
88 16.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.840 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion:113 Resp: 130650
Ion Ratio Lower Upper
113 100
111 100.4 81.4 122.2
192 18.4 14.1 21.1





#39

Methylcyclohexane

Concen: 0.305 ug/l

RT: 7.379 min Scan# 1

Delta R.T. -0.012 min

Lab File: VX047496.D

Acq: 22 Aug 2025 14:40

Instrument :

MSVOA_X

ClientSampleId :

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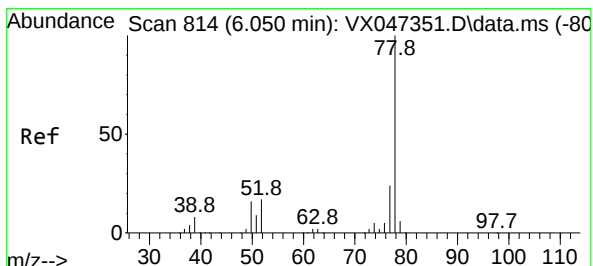
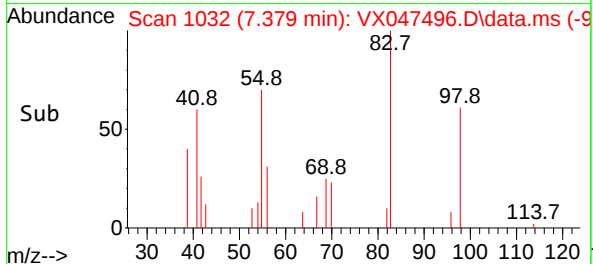
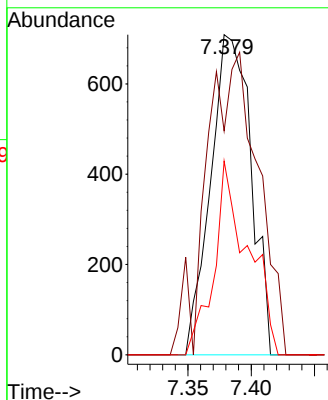
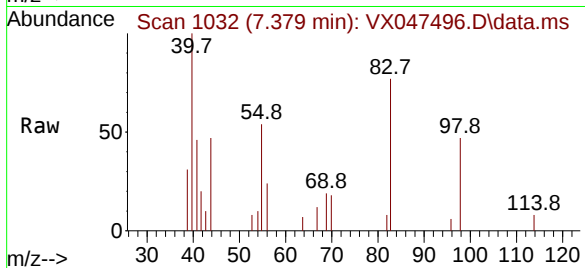
Tgt Ion: 83 Resp: 1574

Ion Ratio Lower Upper

83 100

55 61.5 60.0 90.0

98 60.5 37.2 55.8#



#40

Benzene

Concen: 25.266 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.000 min

Lab File: VX047496.D

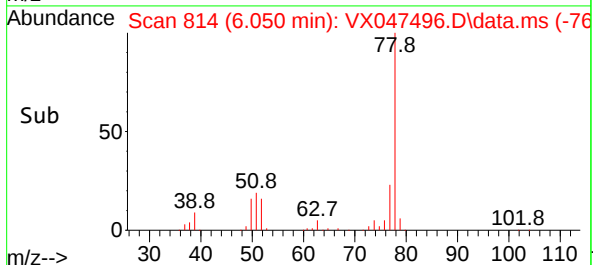
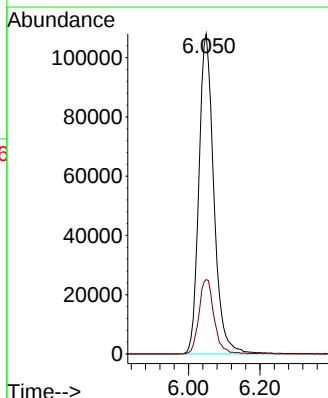
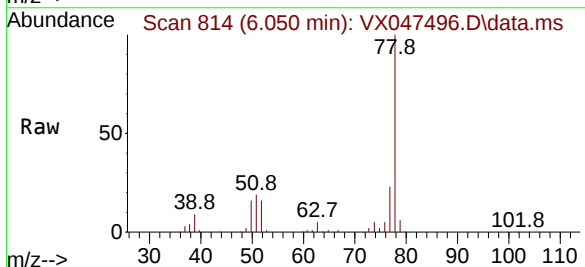
Acq: 22 Aug 2025 14:40

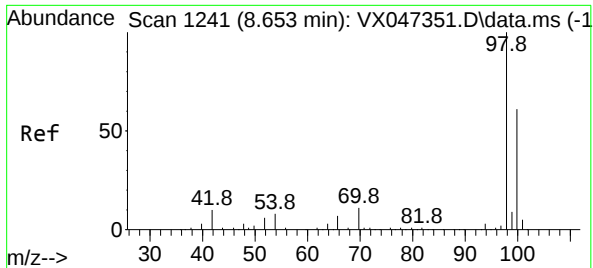
Tgt Ion: 78 Resp: 312949

Ion Ratio Lower Upper

78 100

77 23.3 19.0 28.4

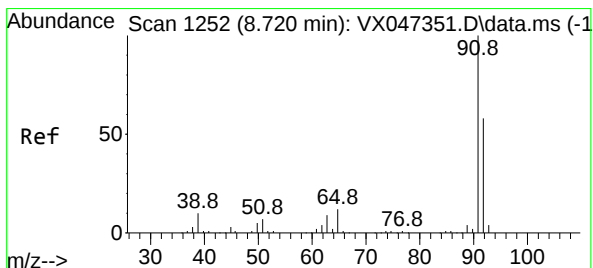
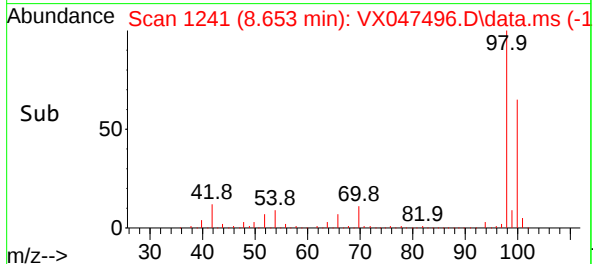
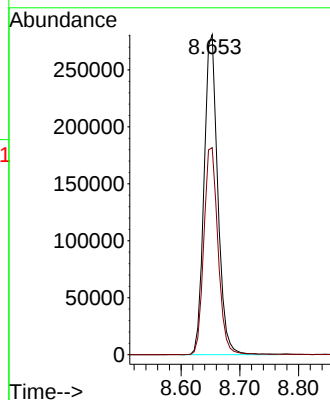
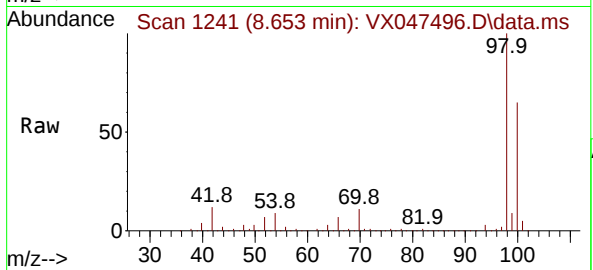




#50
Toluene-d8
Concen: 48.487 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

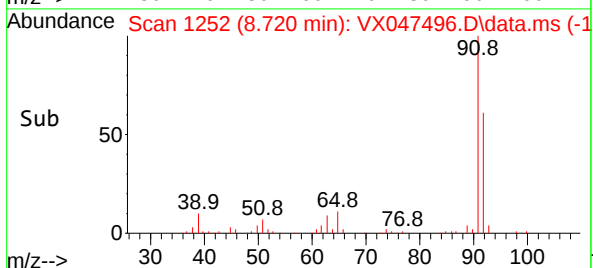
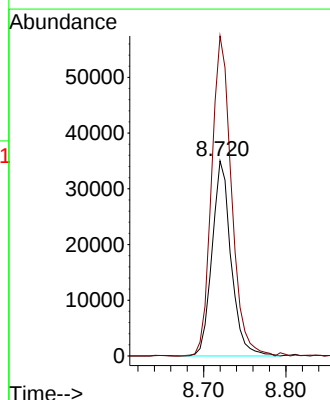
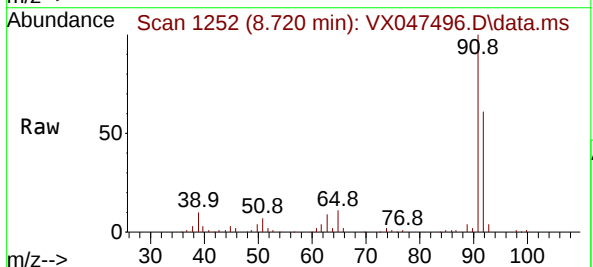
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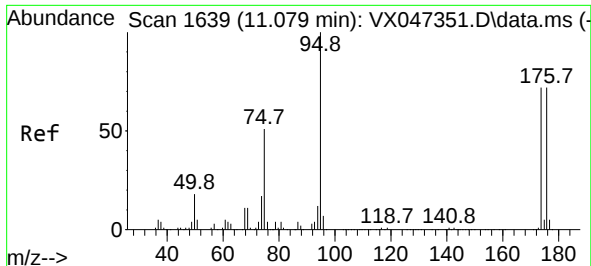
Tgt Ion: 98 Resp: 454304
Ion Ratio Lower Upper
98 100
100 67.0 53.9 80.9



#52
Toluene
Concen: 7.360 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 92 Resp: 56330
Ion Ratio Lower Upper
92 100
91 171.6 136.3 204.5

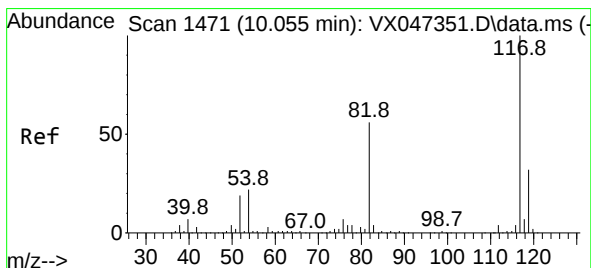
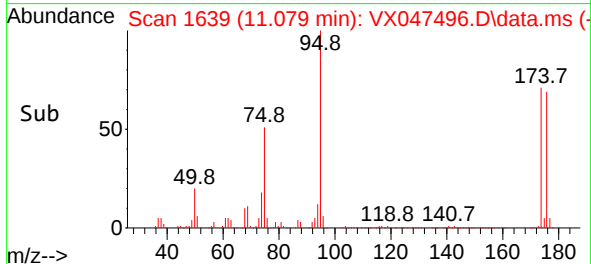
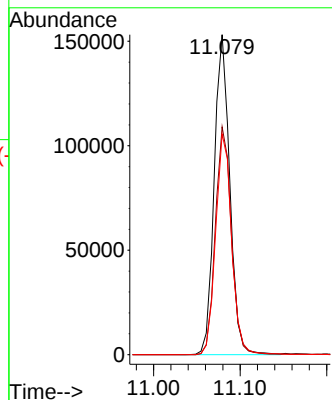
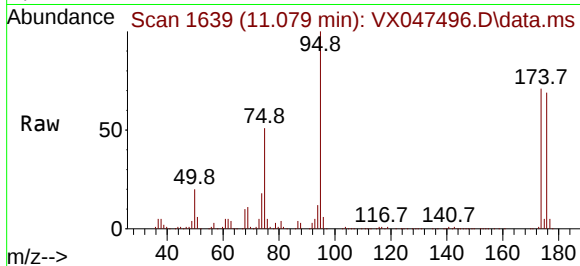




#62
4-Bromofluorobenzene
Concen: 55.282 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

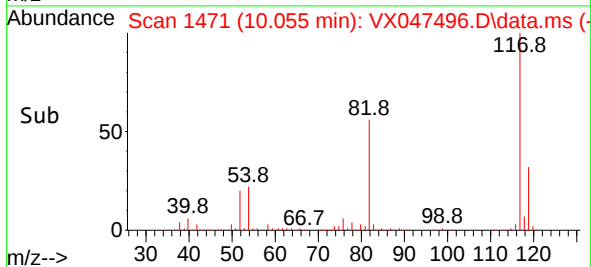
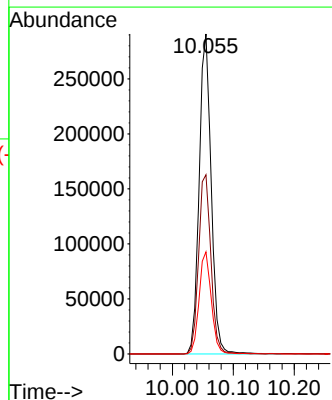
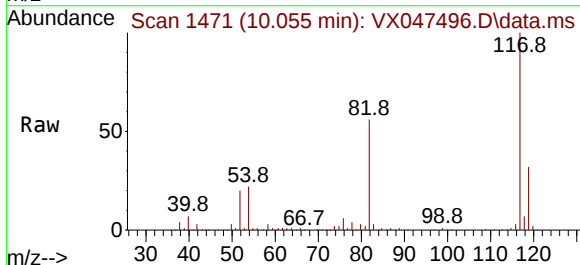
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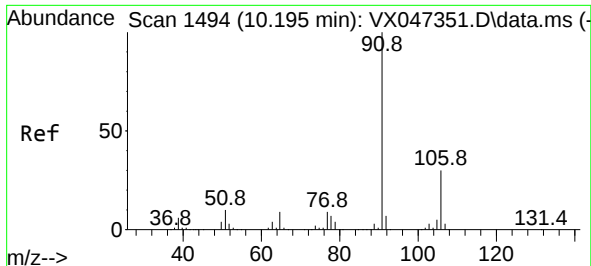
Tgt Ion: 95 Resp: 191142
Ion Ratio Lower Upper
95 100
174 73.2 0.0 148.0
176 71.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 117 Resp: 398616
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.4
119 31.9 25.8 38.8

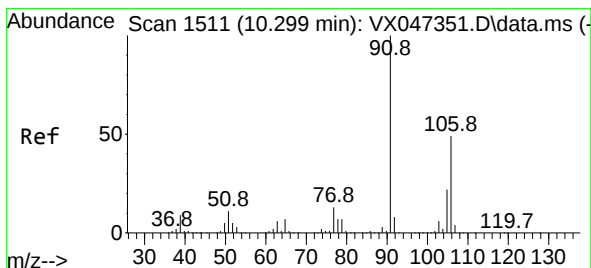
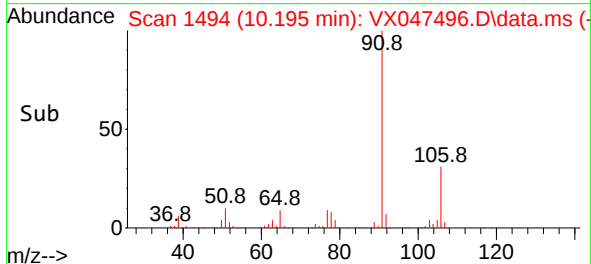
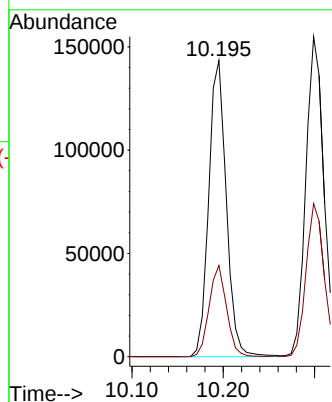
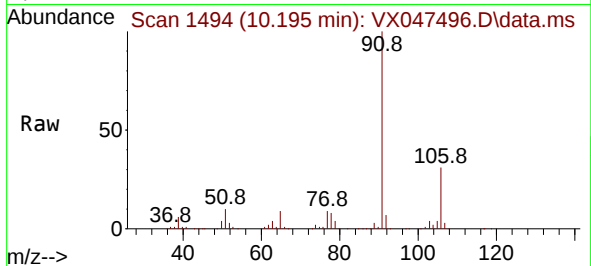




#67
Ethyl Benzene
Concen: 11.739 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

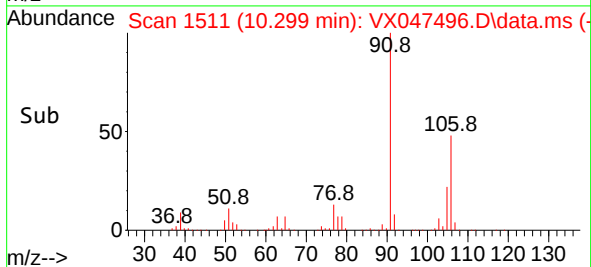
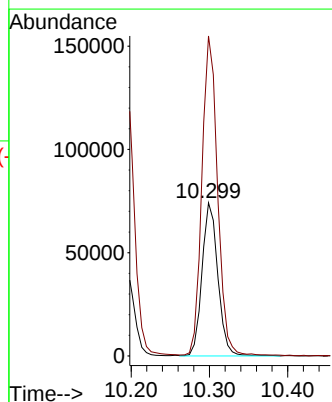
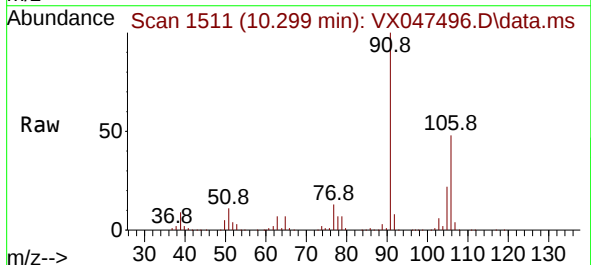
Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

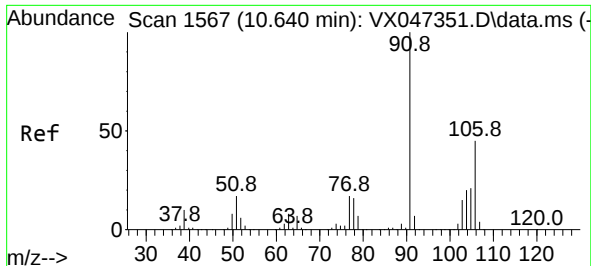
Tgt Ion: 91 Resp: 191385
Ion Ratio Lower Upper
91 100
106 30.8 24.4 36.6



#68
m/p-Xylenes
Concen: 17.112 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 106 Resp: 104028
Ion Ratio Lower Upper
106 100
91 208.4 164.7 247.1

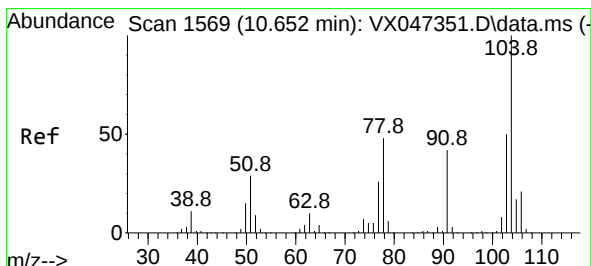
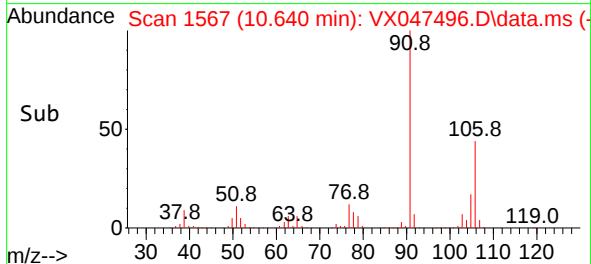
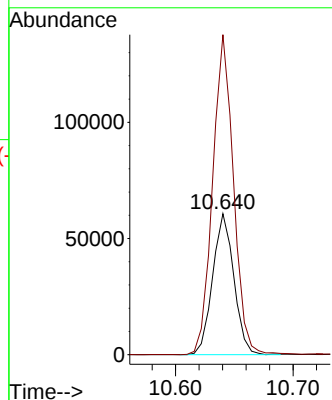
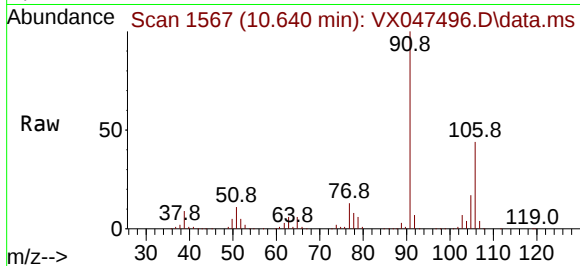




#69
o-Xylene
Concen: 13.036 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

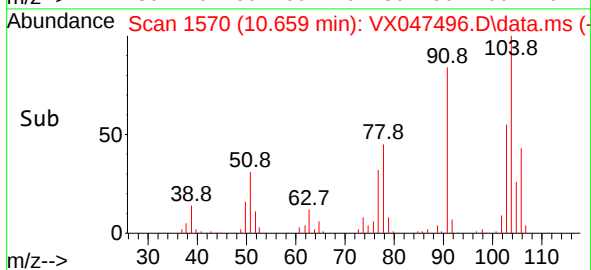
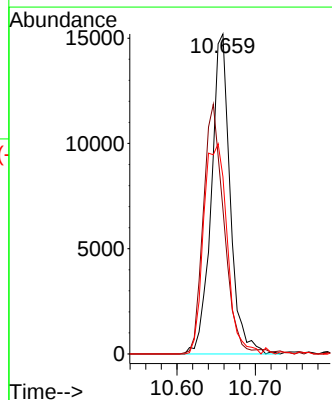
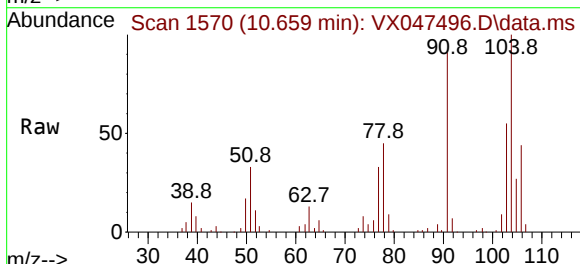
Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

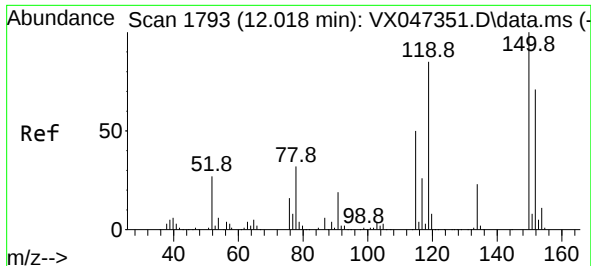
Tgt Ion:106 Resp: 76267
Ion Ratio Lower Upper
106 100
91 223.3 110.6 331.8



#70
Styrene
Concen: 2.574 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion:104 Resp: 25441
Ion Ratio Lower Upper
104 100
78 86.1 41.8 62.8#
103 81.9 43.6 65.4#

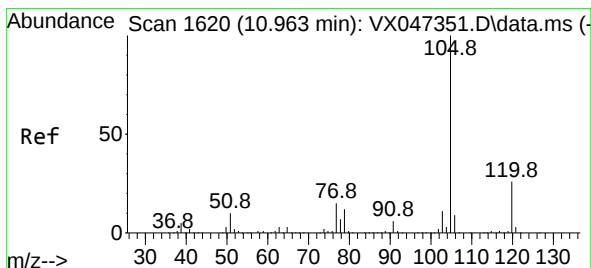
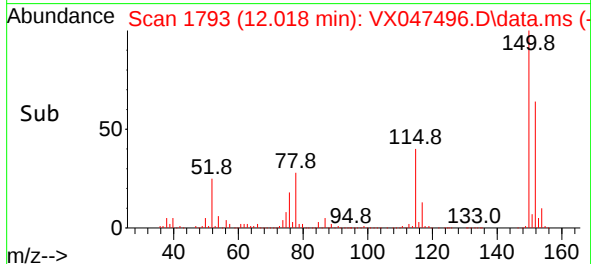
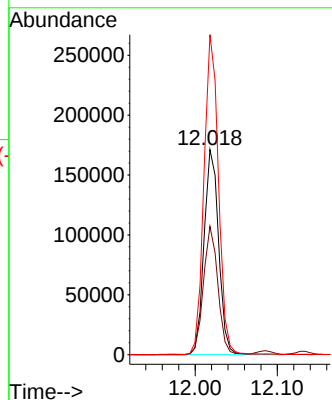
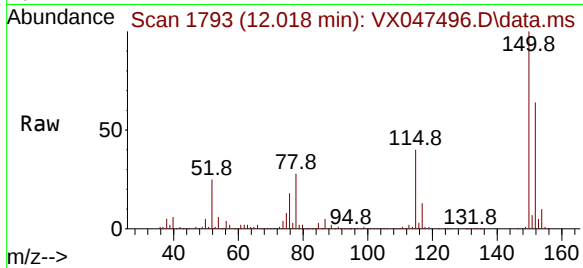




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1793
 Delta R.T. 0.000 min
 Lab File: VX047496.D
 Acq: 22 Aug 2025 14:40

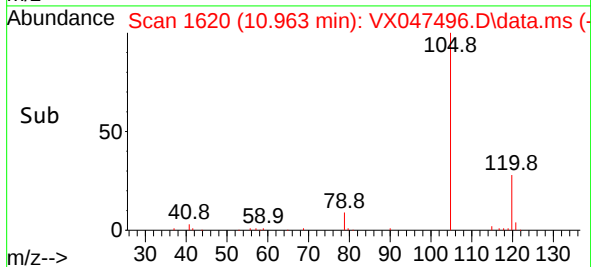
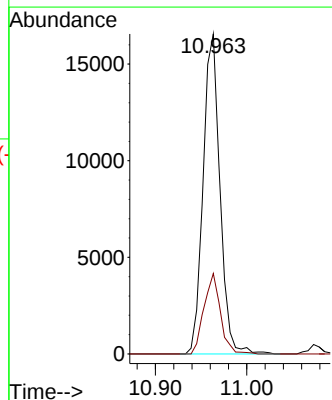
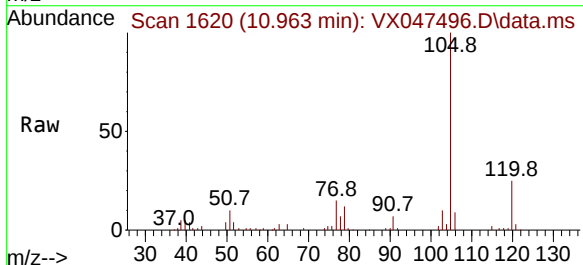
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18A-081925

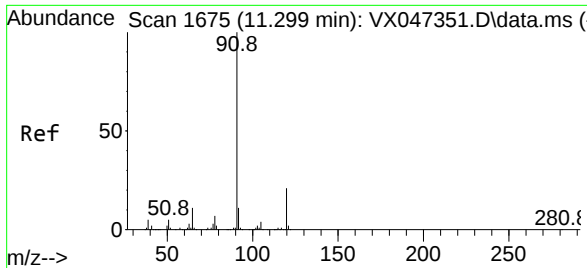
Tgt Ion:152 Resp: 210868
 Ion Ratio Lower Upper
 152 100
 115 61.6 44.6 133.8
 150 154.9 0.0 349.8



#73
 Isopropylbenzene
 Concen: 1.282 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX047496.D
 Acq: 22 Aug 2025 14:40

Tgt Ion:105 Resp: 21162
 Ion Ratio Lower Upper
 105 100
 120 24.6 12.9 38.6

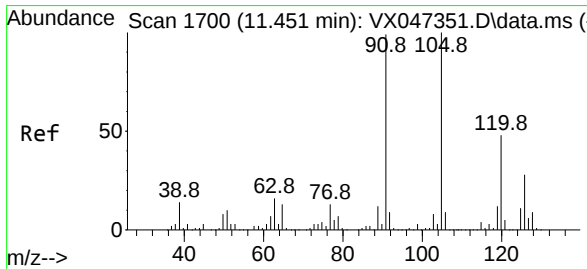
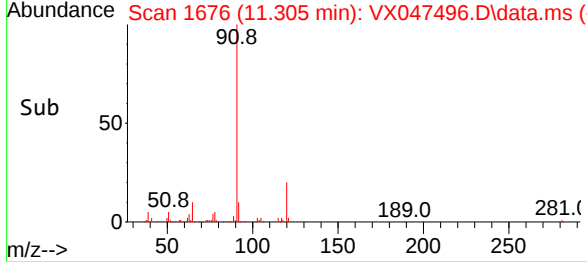
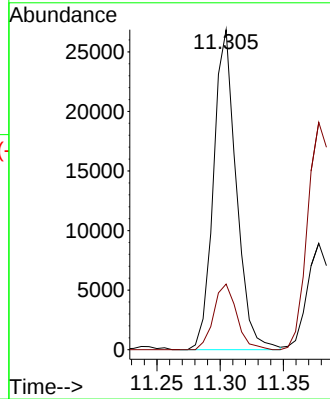
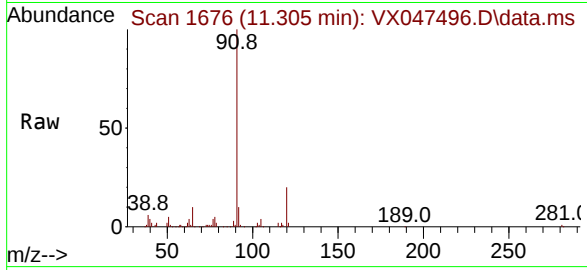




#78
n-propylbenzene
Concen: 1.707 ug/l
RT: 11.305 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

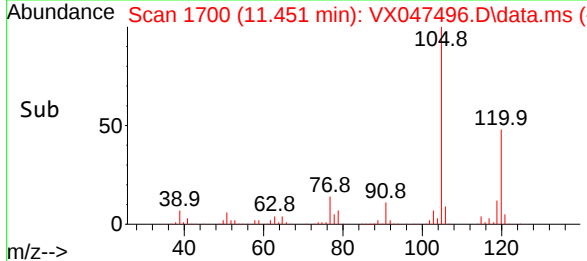
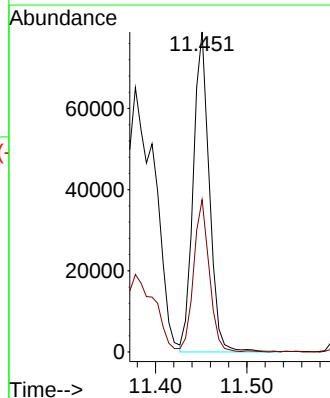
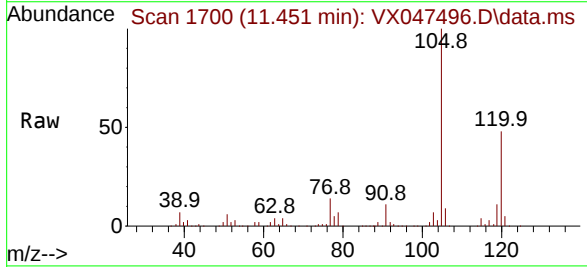
Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

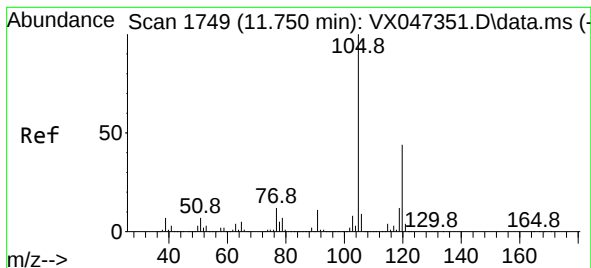
Tgt Ion: 91 Resp: 33641
Ion Ratio Lower Upper
91 100
120 20.8 11.0 33.0



#80
1,3,5-Trimethylbenzene
Concen: 7.102 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 105 Resp: 96424
Ion Ratio Lower Upper
105 100
120 45.9 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 22.373 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047496.D

Acq: 22 Aug 2025 14:40

Instrument :

MSVOA_X

ClientSampleId :

MW-18A-081925

Tgt Ion:105 Resp: 303775

Ion Ratio Lower Upper

105 100

120 44.6 21.9 65.7

