

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048305.D
 Acq On : 22 Oct 2025 17:34
 Operator : JC/MD
 Sample : Q3426-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP3

Quant Time: Oct 24 05:57:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

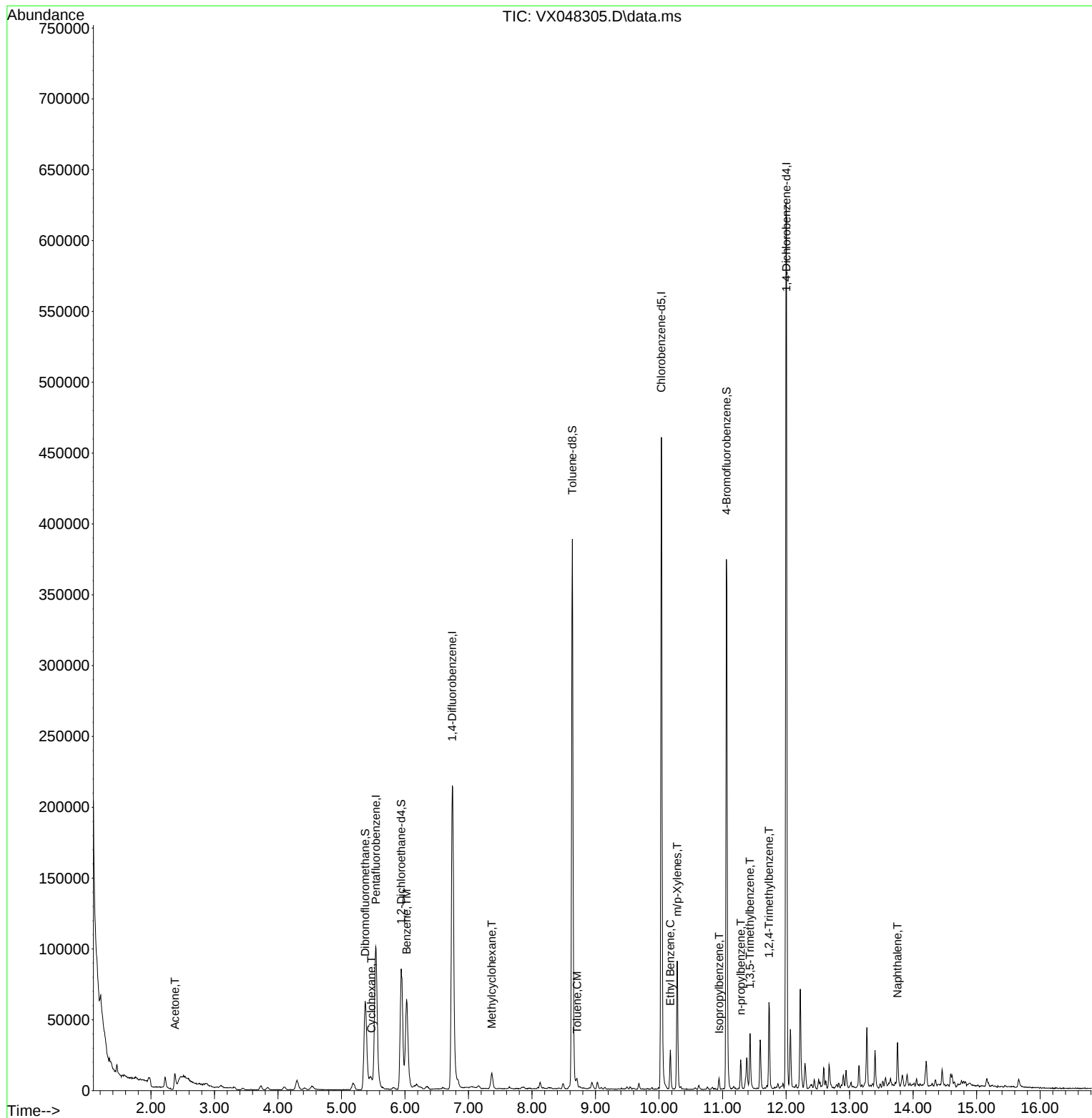
Internal Standards						
1) Pentafluorobenzene	5.544	168	106079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	247618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	219918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	93332	62.753	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 125.500%#			
35) Dibromofluoromethane	5.373	113	62208	36.799	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 73.600%#			
50) Toluene-d8	8.634	98	242125	40.863	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 81.720%#			
62) 4-Bromofluorobenzene	11.061	95	110490	49.016	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.040%			
Target Compounds					Qvalue	
16) Acetone	2.380	43	15231	29.851	ug/l	95
31) Cyclohexane	5.470	56	5344	2.895	ug/l #	96
39) Methylcyclohexane	7.366	83	5139	1.811	ug/l #	87
40) Benzene	6.025	78	81818	11.729	ug/l	96
52) Toluene	8.708	92	2551	0.576	ug/l	99
67) Ethyl Benzene	10.177	91	15793	1.875	ug/l	97
68) m/p-Xylenes	10.287	106	21725	6.942	ug/l	94
73) Isopropylbenzene	10.945	105	4174	0.427	ug/l	100
78) n-propylbenzene	11.286	91	12190	1.076	ug/l	97
80) 1,3,5-Trimethylbenzene	11.433	105	16761	2.070	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	27260	3.374	ug/l	98
95) Naphthalene	13.756	128	19122	2.458	ug/l	99

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

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Quant Title : SW846 8260
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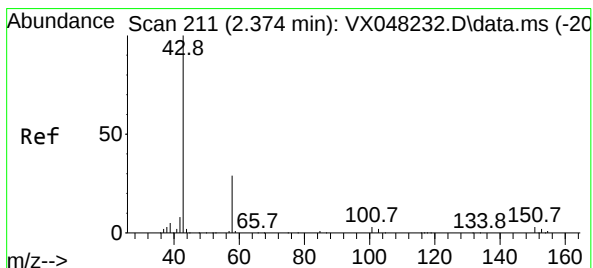
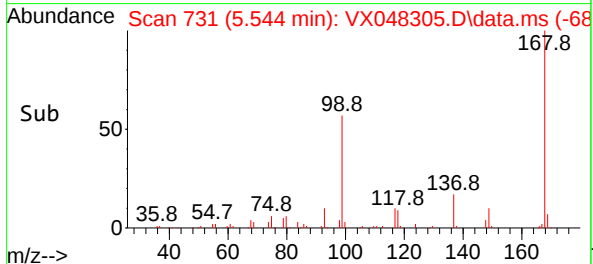
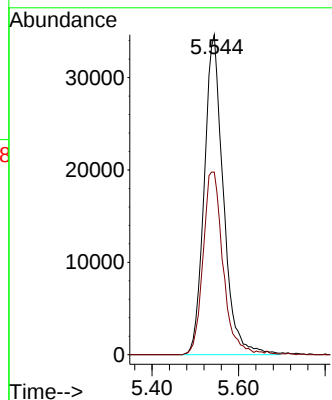
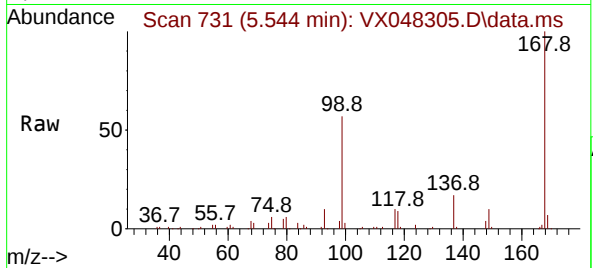




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

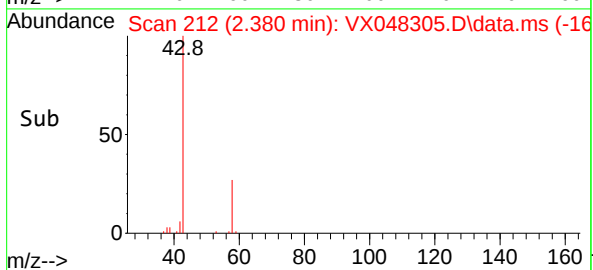
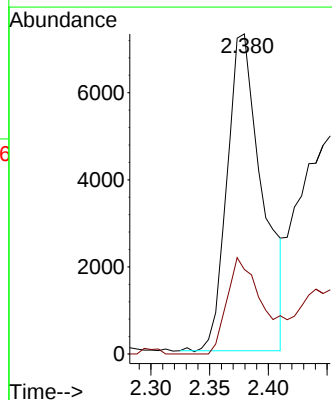
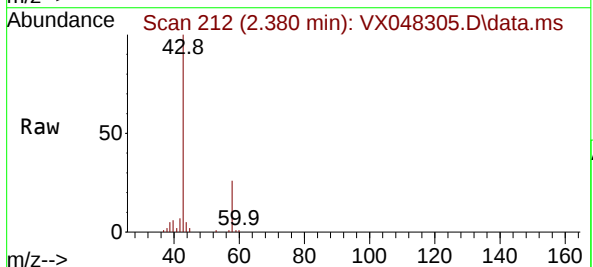
Instrument :
MSVOA_X
ClientSampleId :
TWP3

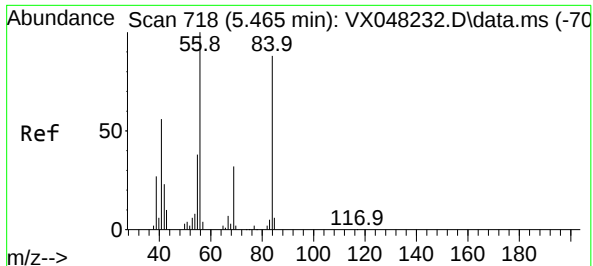
Tgt Ion:168 Resp: 106079
Ion Ratio Lower Upper
168 100
99 57.1 46.4 69.6



#16
Acetone
Concen: 29.851 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

Tgt Ion: 43 Resp: 15231
Ion Ratio Lower Upper
43 100
58 26.9 23.4 35.2

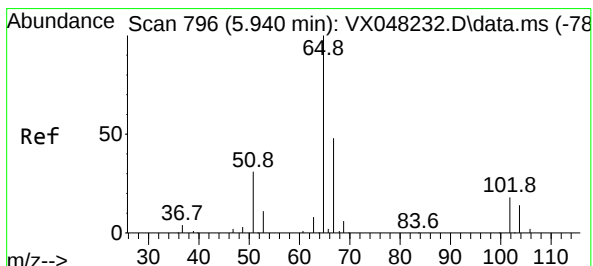
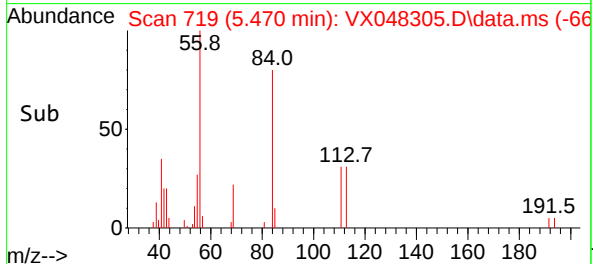
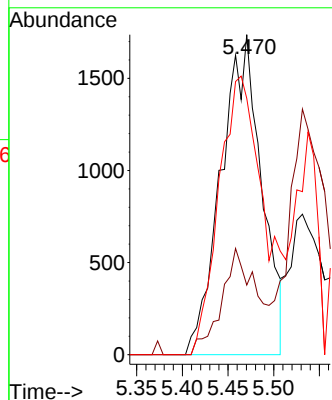
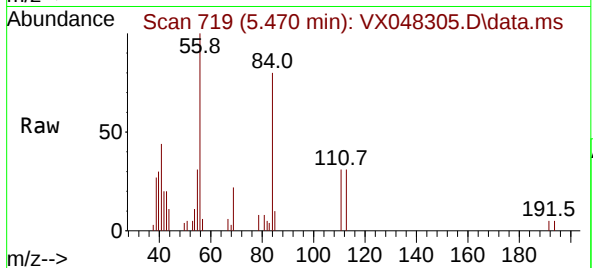




#31
Cyclohexane
Concen: 2.895 ug/l
RT: 5.470 min Scan# 718
Delta R.T. 0.012 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

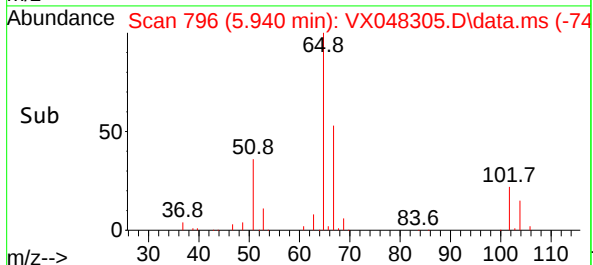
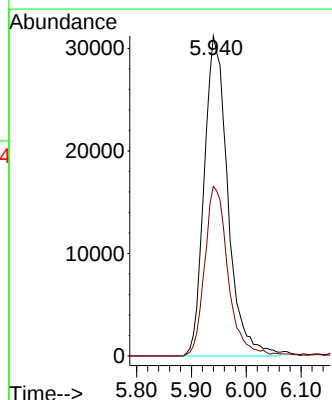
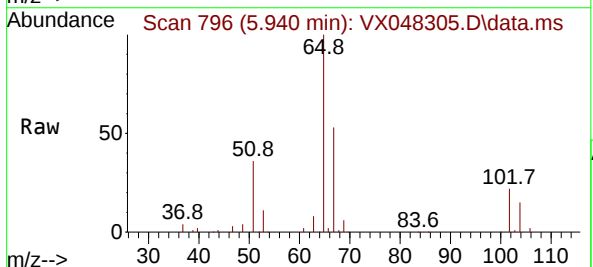
Instrument :
MSVOA_X
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TWP3

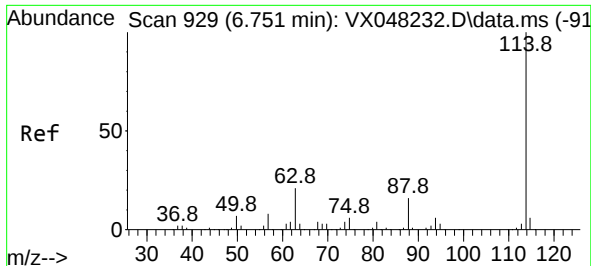
Tgt Ion: 56 Resp: 5344
Ion Ratio Lower Upper
56 100
69 21.8 23.0 34.6#
84 80.1 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 62.753 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

Tgt Ion: 65 Resp: 93332
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.0

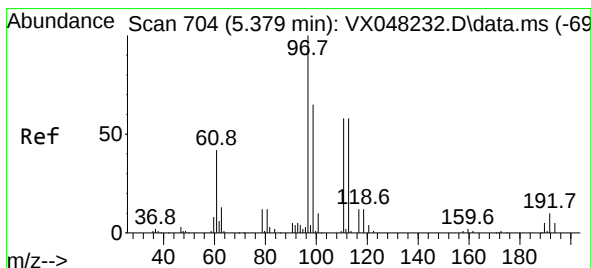
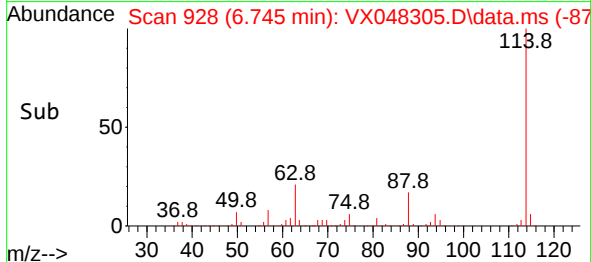
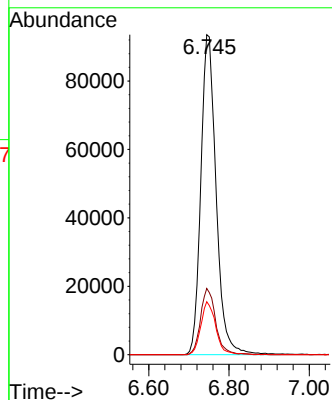
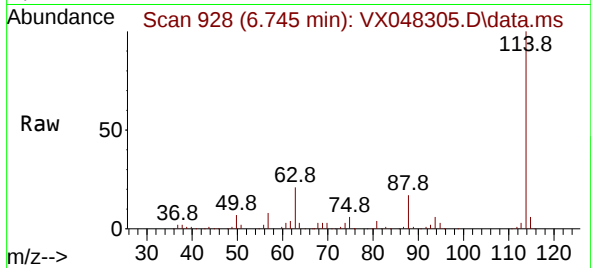




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

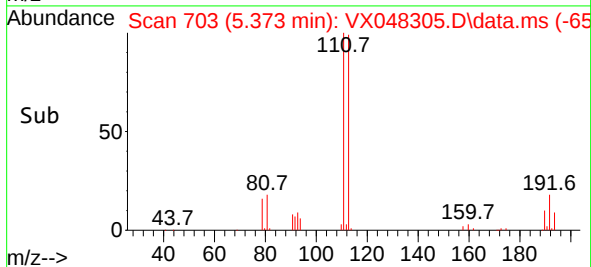
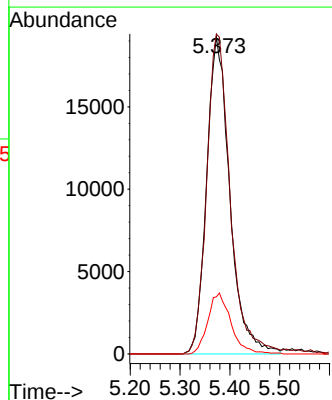
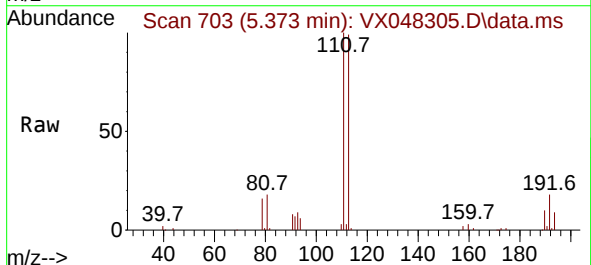
Instrument :
MSVOA_X
ClientSampleId :
TWP3

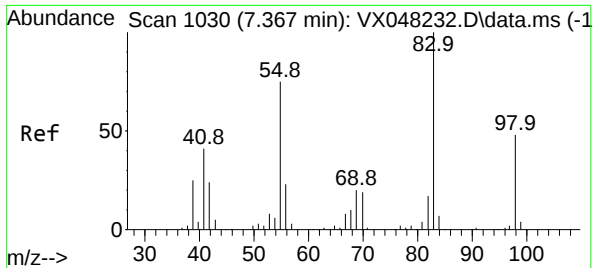
Tgt Ion:114 Resp: 247618
Ion Ratio Lower Upper
114 100
63 23.5 0.0 43.2
88 16.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 36.799 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

Tgt Ion:113 Resp: 62208
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 19.3 15.1 22.7

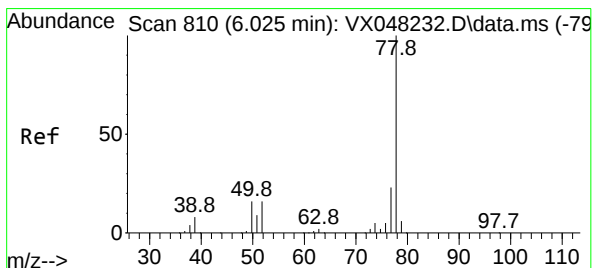
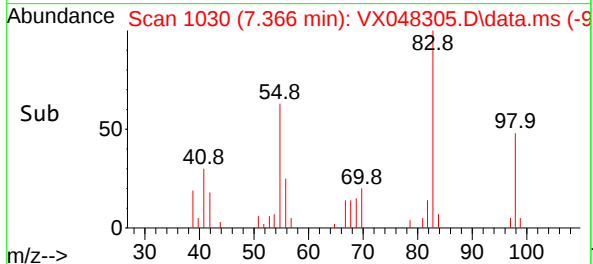
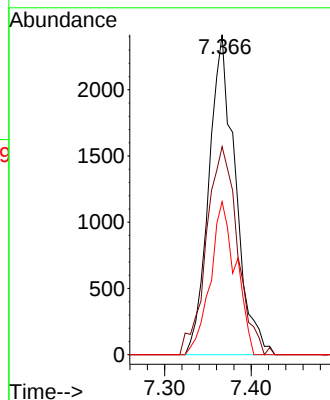
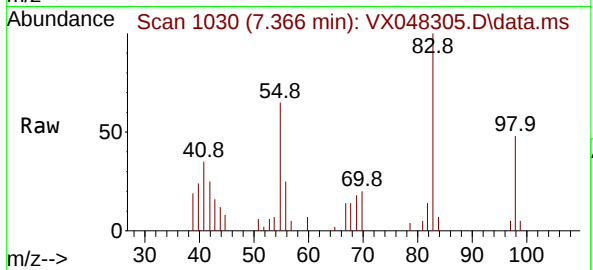




#39
Methylcyclohexane
Concen: 1.811 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

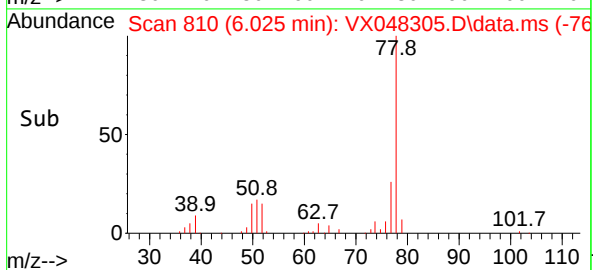
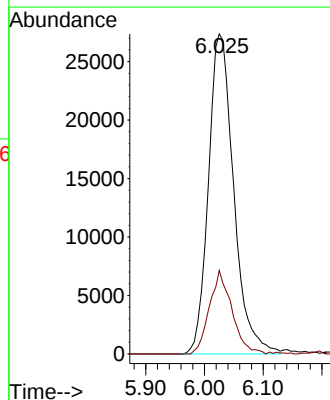
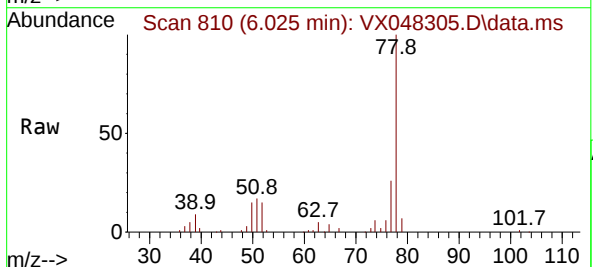
Instrument :
MSVOA_X
ClientSampleId :
TWP3

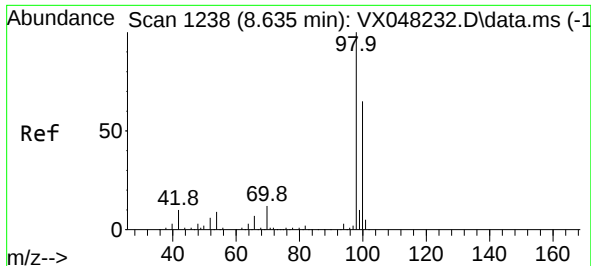
Tgt Ion: 83 Resp: 5139
Ion Ratio Lower Upper
83 100
55 65.0 66.2 99.2#
98 47.8 38.9 58.3



#40
Benzene
Concen: 11.729 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

Tgt Ion: 78 Resp: 81818
Ion Ratio Lower Upper
78 100
77 26.1 19.3 28.9

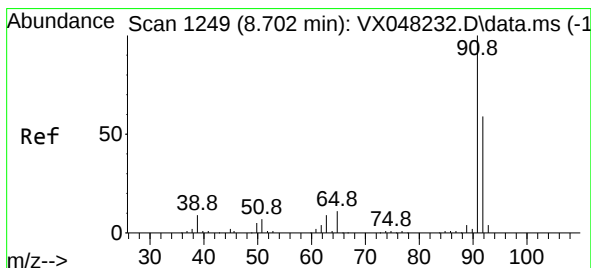
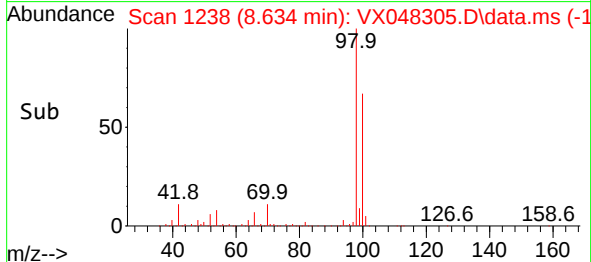
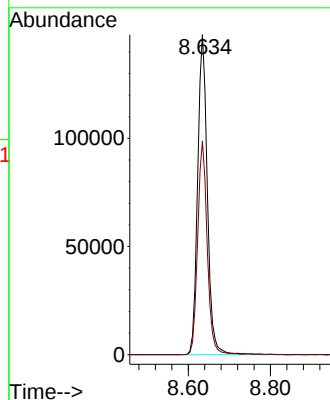
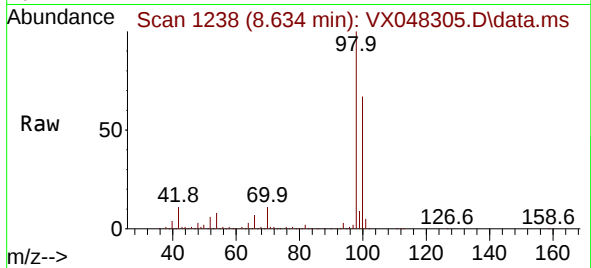




#50
Toluene-d8
Concen: 40.863 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

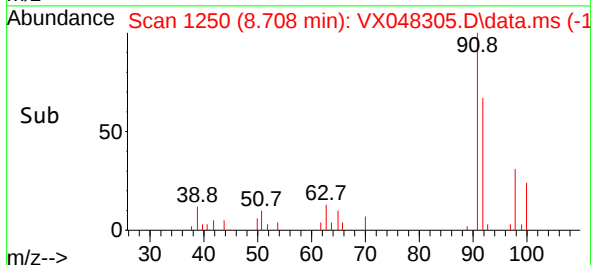
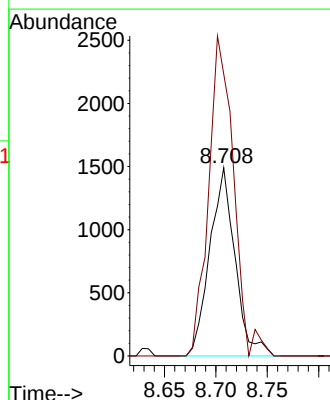
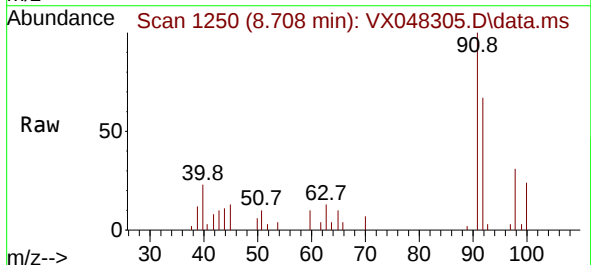
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TWP3

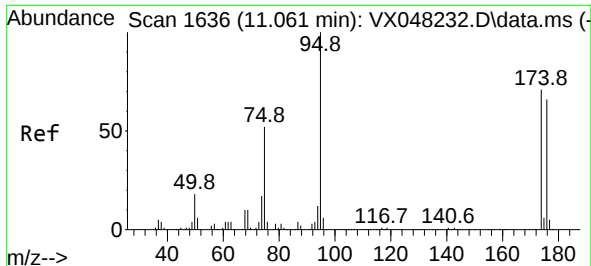
Tgt Ion: 98 Resp: 242125
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#52
Toluene
Concen: 0.576 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

Tgt Ion: 92 Resp: 2551
Ion Ratio Lower Upper
92 100
91 168.2 136.1 204.1

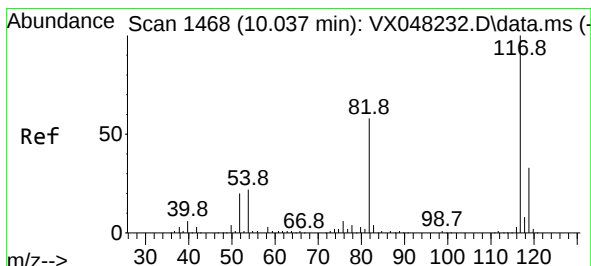
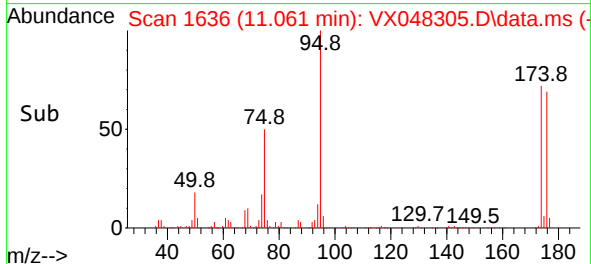
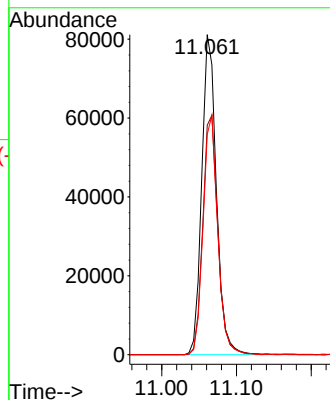
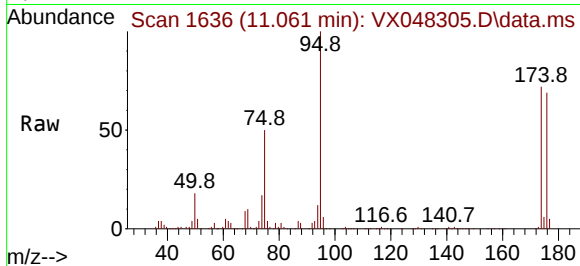




#62
4-Bromofluorobenzene
Concen: 49.016 ug/l
RT: 11.061 min Scan# 110490
Delta R.T. -0.000 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

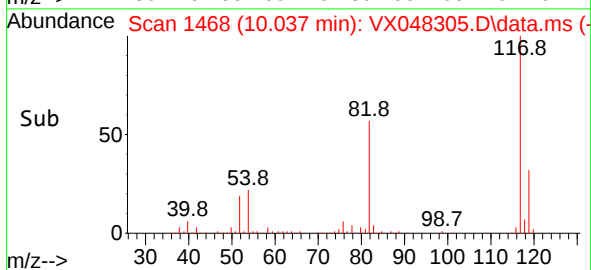
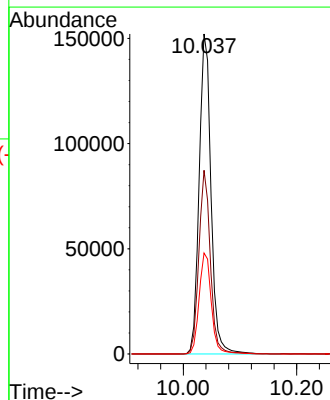
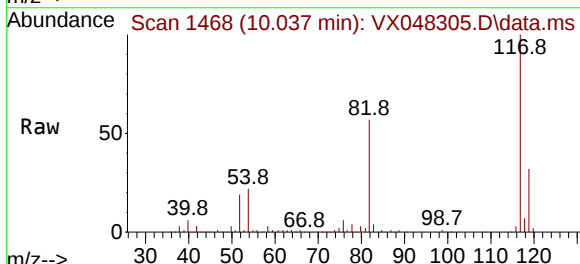
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TWP3

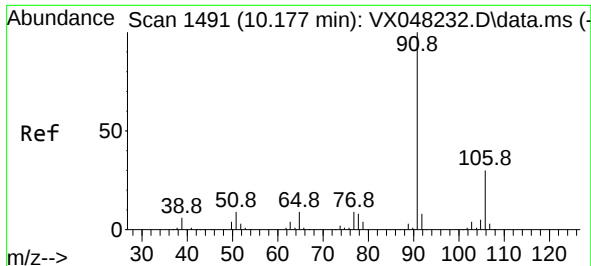
Tgt Ion: 95 Resp: 110490
Ion Ratio Lower Upper
95 100
174 76.7 0.0 147.8
176 74.5 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048305.D
Acq: 22 Oct 2025 17:34

Tgt Ion: 117 Resp: 219918
Ion Ratio Lower Upper
117 100
82 57.4 46.5 69.7
119 31.6 25.9 38.9





#67

Ethyl Benzene

Concen: 1.875 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048305.D

Acq: 22 Oct 2025 17:34

Instrument :

MSVOA_X

ClientSampleId :

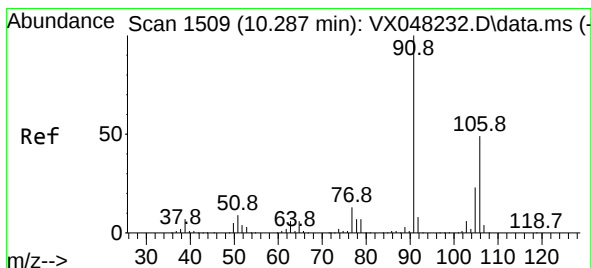
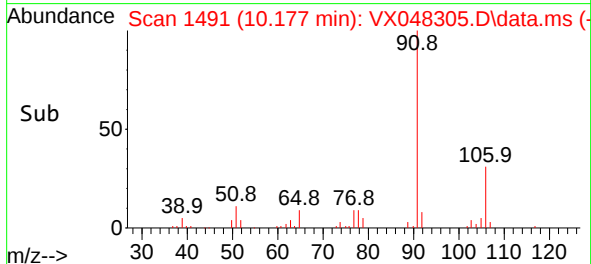
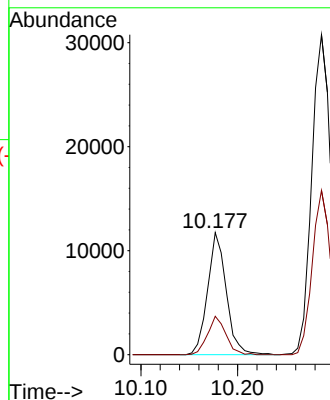
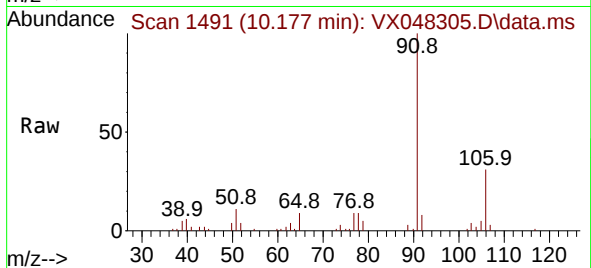
TWP3

Tgt Ion: 91 Resp: 15793

Ion Ratio Lower Upper

91 100

106 31.4 23.8 35.6



#68

m/p-Xylenes

Concen: 6.942 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX048305.D

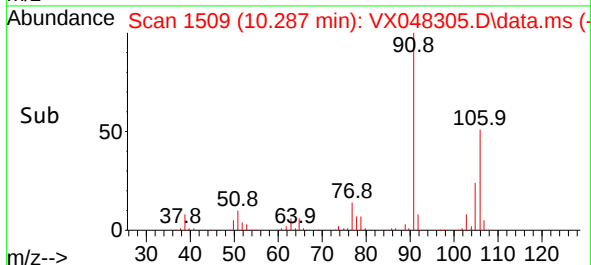
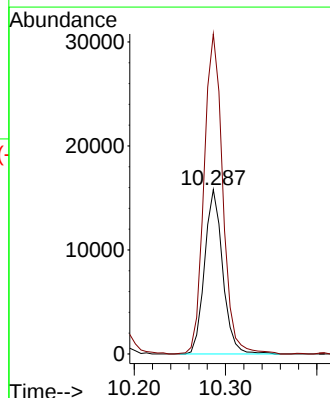
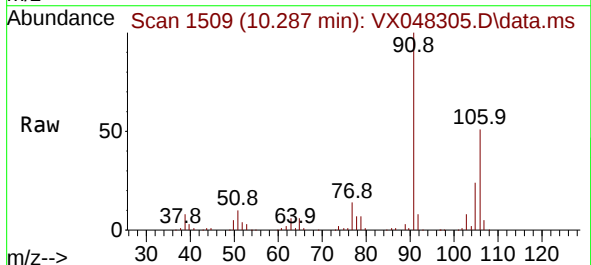
Acq: 22 Oct 2025 17:34

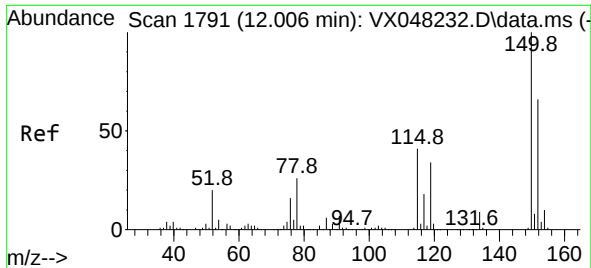
Tgt Ion:106 Resp: 21725

Ion Ratio Lower Upper

106 100

91 200.9 167.9 251.9

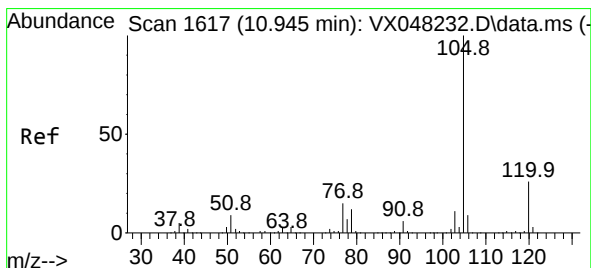
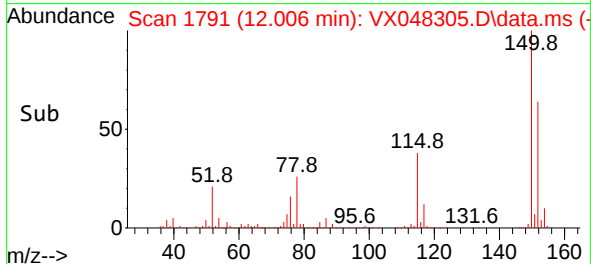
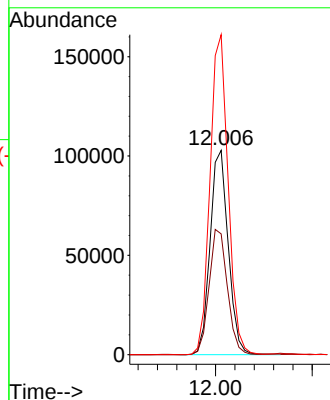
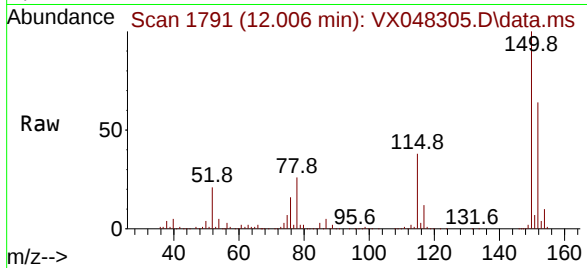




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX048305.D
 Acq: 22 Oct 2025 17:34

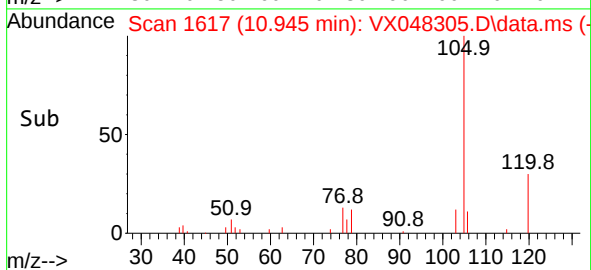
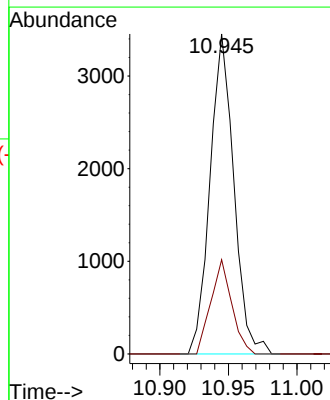
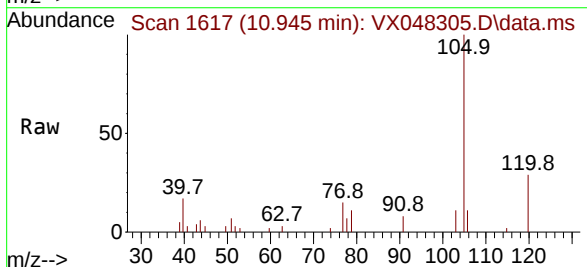
Instrument :
 MSVOA_X
 ClientSampleId :
 TWP3

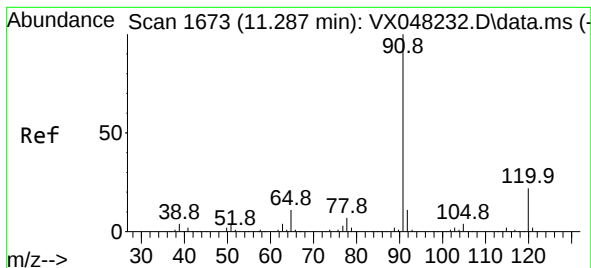
Tgt Ion:152 Resp: 133932
 Ion Ratio Lower Upper
 152 100
 115 61.8 43.1 129.4
 150 155.8 0.0 353.0



#73
 Isopropylbenzene
 Concen: 0.427 ug/l
 RT: 10.945 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: VX048305.D
 Acq: 22 Oct 2025 17:34

Tgt Ion:105 Resp: 4174
 Ion Ratio Lower Upper
 105 100
 120 25.9 13.0 38.9





#78

n-propylbenzene

Concen: 1.076 ug/l

RT: 11.286 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX048305.D

Acq: 22 Oct 2025 17:34

Instrument :

MSVOA_X

ClientSampleId :

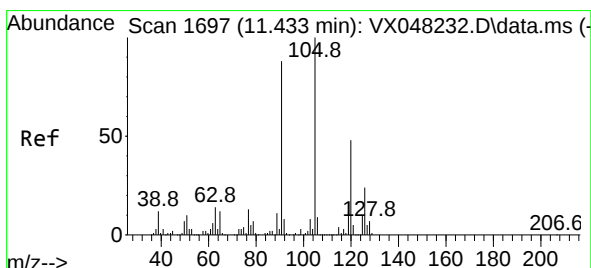
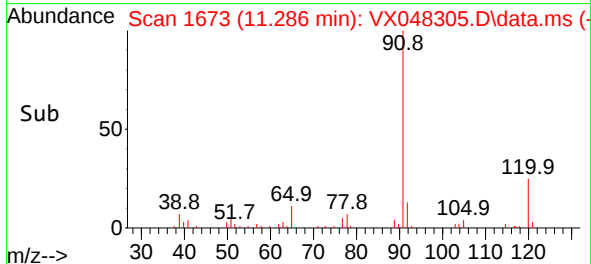
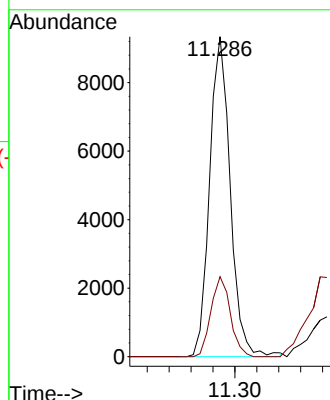
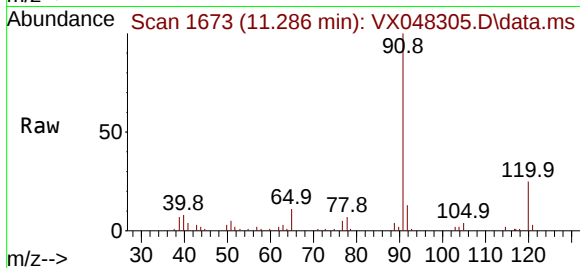
TWP3

Tgt Ion: 91 Resp: 12190

Ion Ratio Lower Upper

91 100

120 23.5 11.1 33.1



#80

1,3,5-Trimethylbenzene

Concen: 2.070 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX048305.D

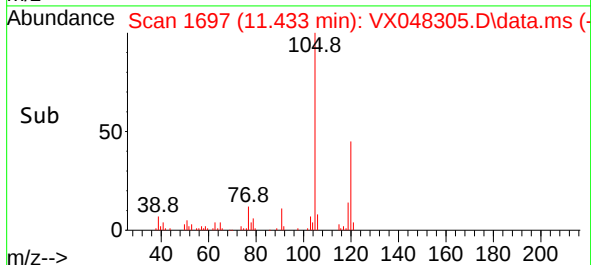
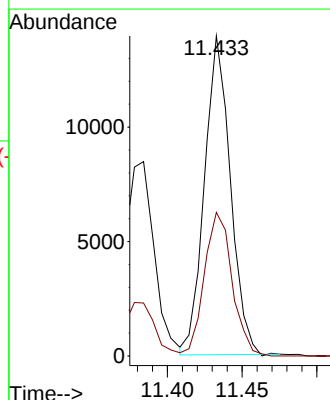
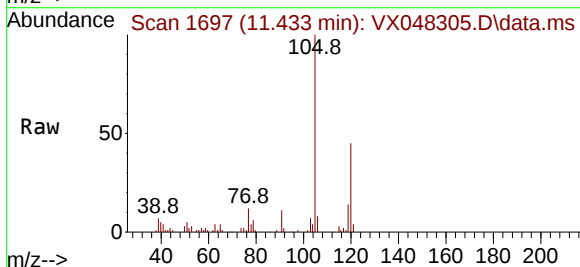
Acq: 22 Oct 2025 17:34

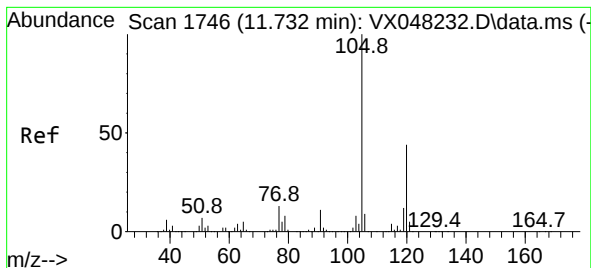
Tgt Ion:105 Resp: 16761

Ion Ratio Lower Upper

105 100

120 48.2 24.0 72.0





#84

1,2,4-Trimethylbenzene

Concen: 3.374 ug/l

RT: 11.731 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048305.D

Acq: 22 Oct 2025 17:34

Instrument :

MSVOA_X

ClientSampleId :

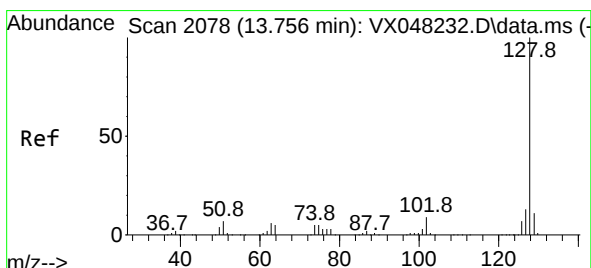
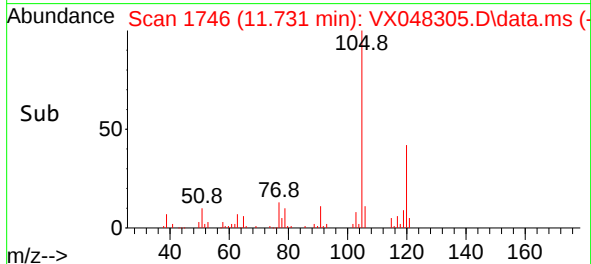
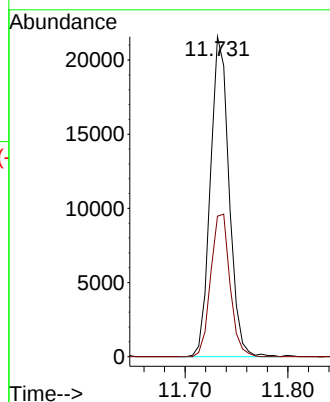
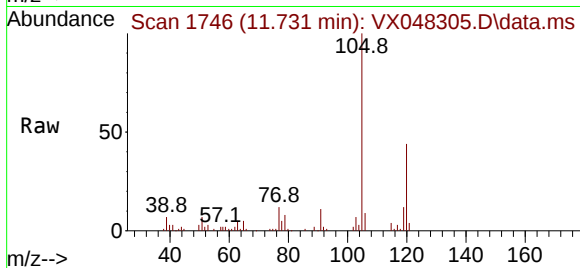
TWP3

Tgt Ion:105 Resp: 27260

Ion Ratio Lower Upper

105 100

120 45.7 22.1 66.5



#95

Naphthalene

Concen: 2.458 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX048305.D

Acq: 22 Oct 2025 17:34

Tgt Ion:128 Resp: 19122

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.7 8.6 12.8

