

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048306.D
 Acq On : 22 Oct 2025 17:55
 Operator : JC/MD
 Sample : Q3426-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP5

Quant Time: Oct 24 05:57:32 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)

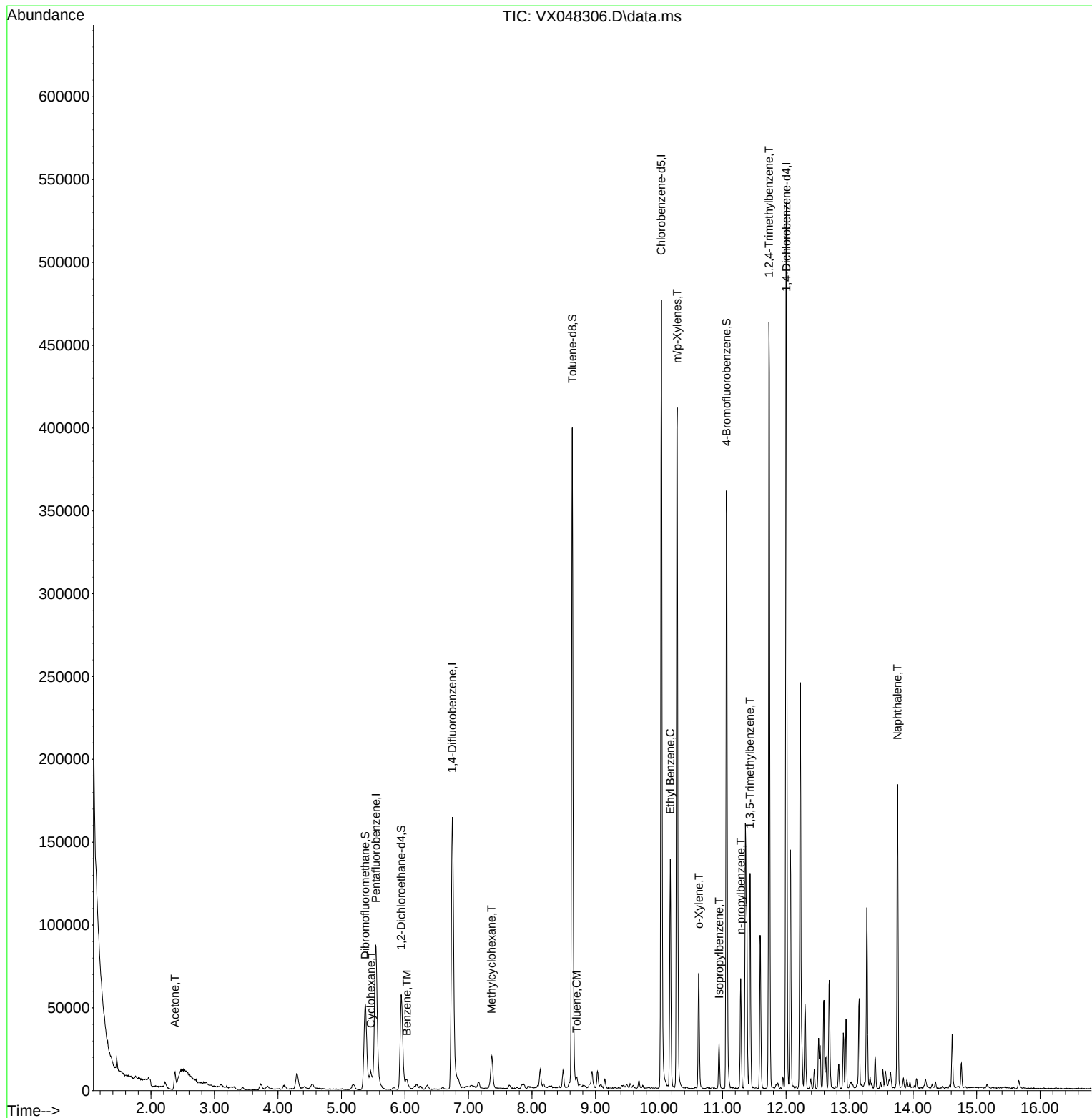
Internal Standards						
1) Pentafluorobenzene	5.544	168	90382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	187773	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	223990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	62487	49.310	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.620%
35) Dibromofluoromethane	5.373	113	51595	40.248	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	80.500%
50) Toluene-d8	8.634	98	238837	53.155	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	106.300%
62) 4-Bromofluorobenzene	11.061	95	104710	61.257	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	122.520%
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	15052	34.624	ug/l	99
31) Cyclohexane	5.464	56	6654	4.230	ug/l	98
39) Methylcyclohexane	7.360	83	8876	4.125	ug/l	87
40) Benzene	6.031	78	5911	1.117	ug/l	92
52) Toluene	8.702	92	1946	0.579	ug/l	96
67) Ethyl Benzene	10.177	91	79948	9.319	ug/l	99
68) m/p-Xylenes	10.287	106	101147	31.733	ug/l	97
69) o-Xylene	10.628	106	16015	5.204	ug/l	99
73) Isopropylbenzene	10.945	105	14189	1.668	ug/l	98
78) n-propylbenzene	11.286	91	40667	4.128	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	55919	7.941	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	208839	29.719	ug/l	99
95) Naphthalene	13.756	128	108092	15.976	ug/l	99

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

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Response via : Initial Calibration

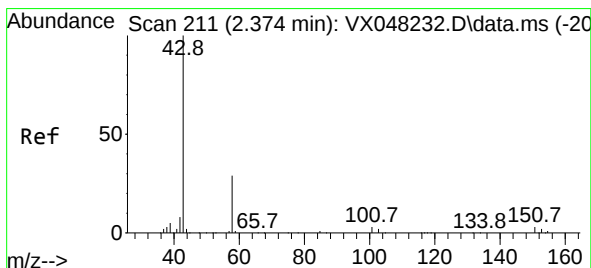
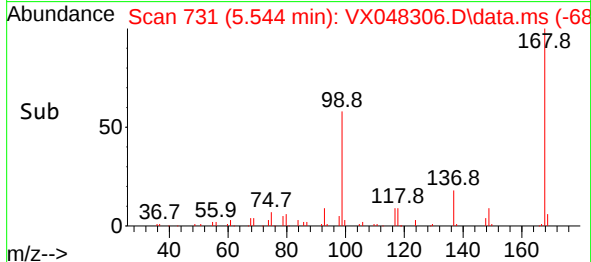
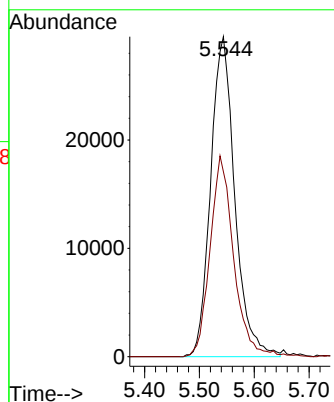
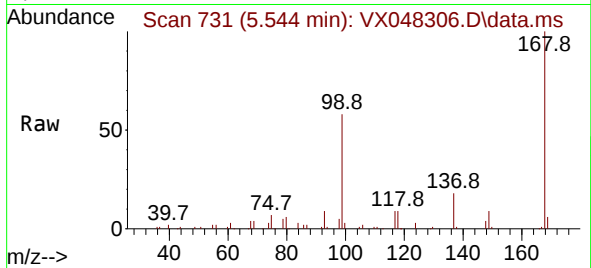




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

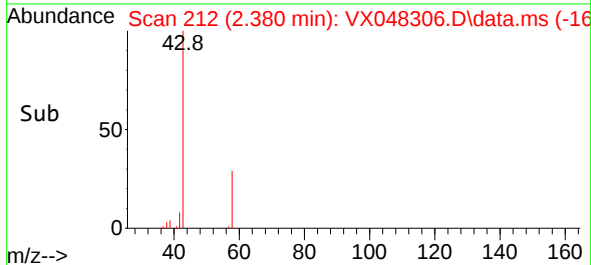
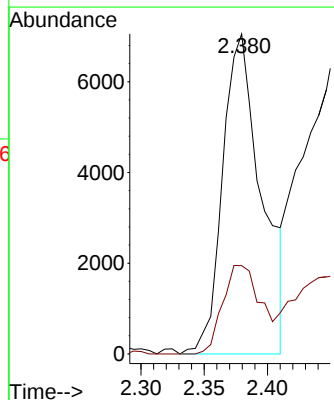
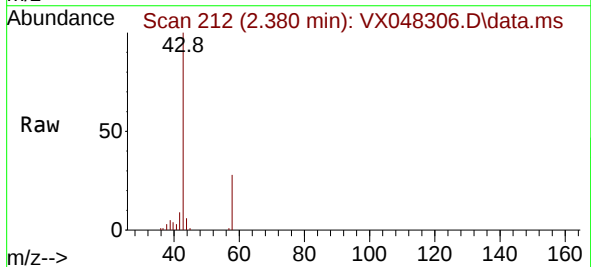
Instrument :
MSVOA_X
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TWP5

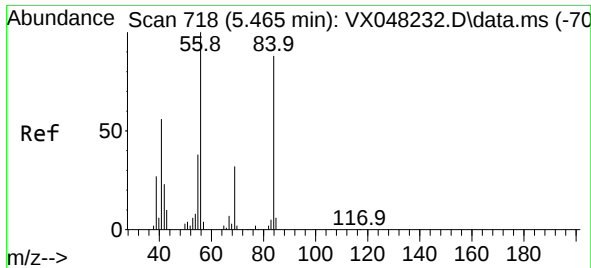
Tgt Ion:168 Resp: 90382
Ion Ratio Lower Upper
168 100
99 57.8 46.4 69.6



#16
Acetone
Concen: 34.624 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 43 Resp: 15052
Ion Ratio Lower Upper
43 100
58 29.0 23.4 35.2

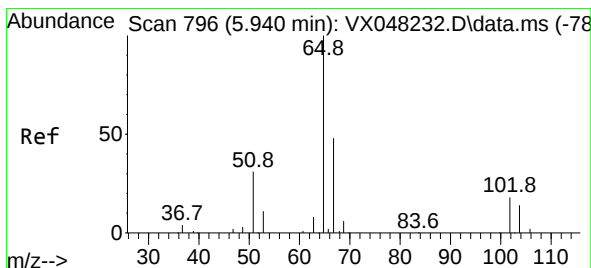
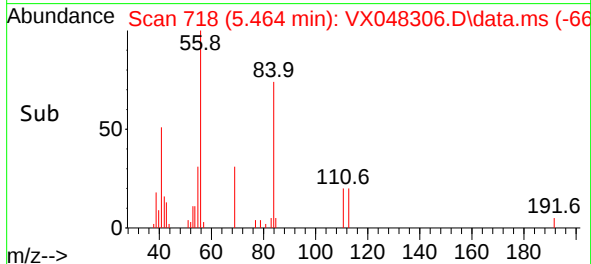
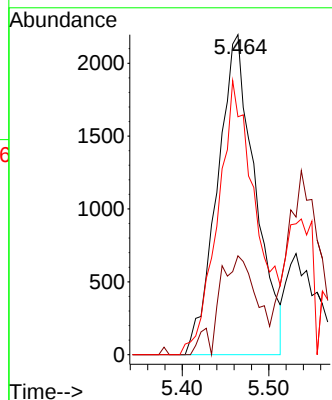
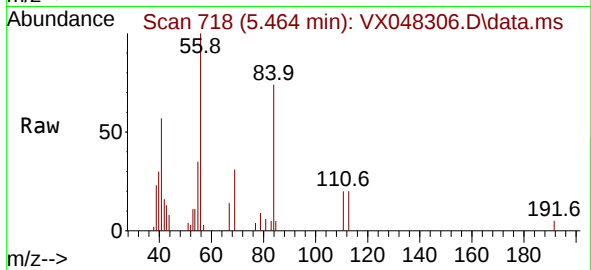




#31
Cyclohexane
Concen: 4.230 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

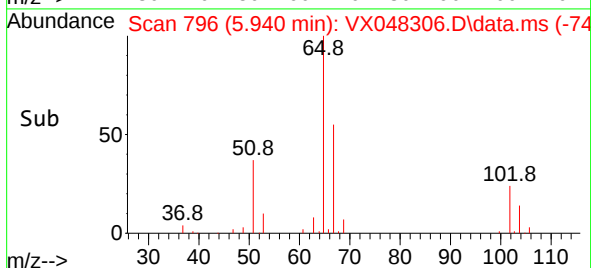
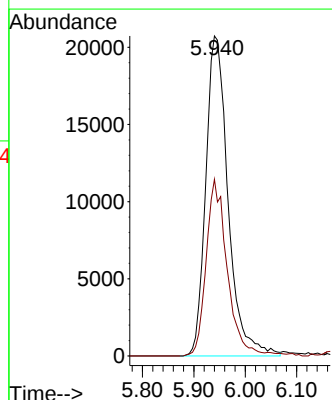
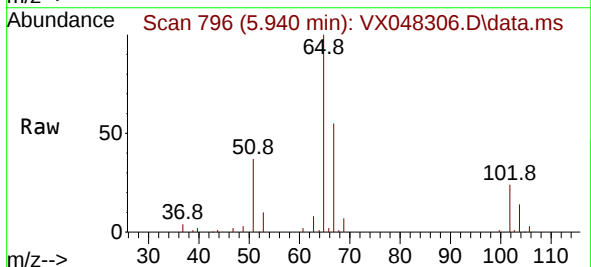
Instrument :
MSVOA_X
ClientSampleId :
TWP5

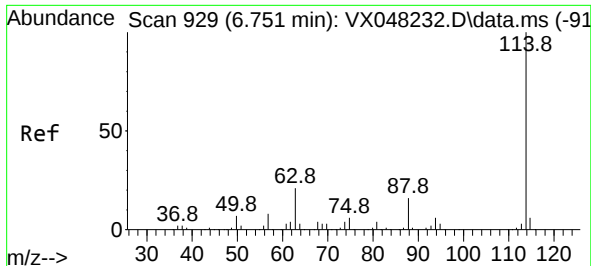
Tgt Ion: 56 Resp: 6654
Ion Ratio Lower Upper
56 100
69 30.9 23.0 34.6
84 79.4 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 49.310 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 65 Resp: 62487
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.0

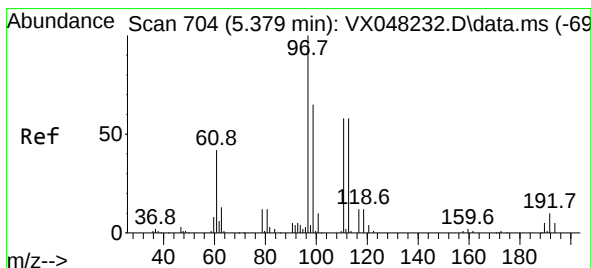
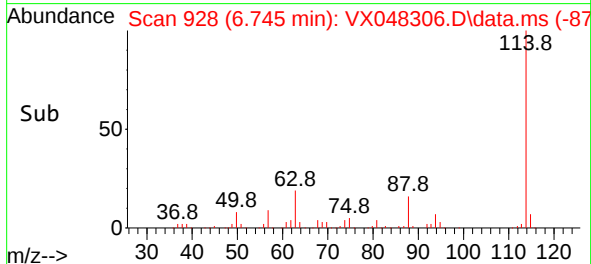
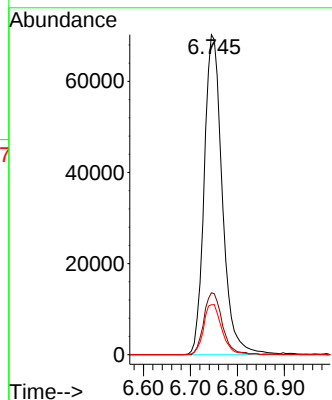
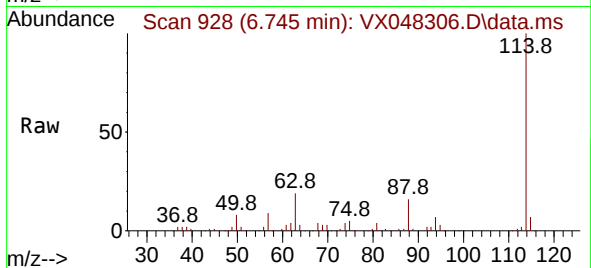




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

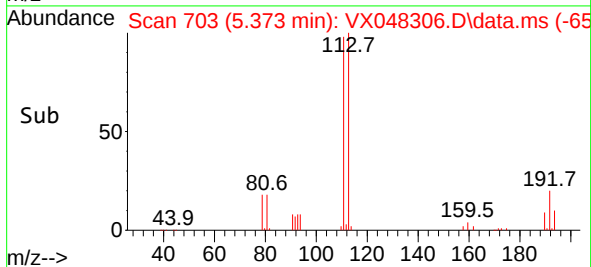
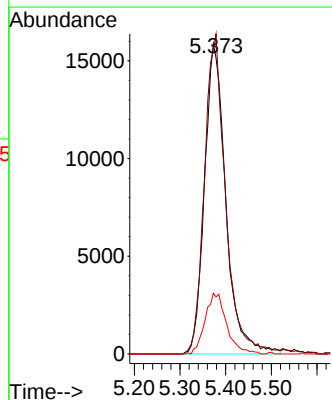
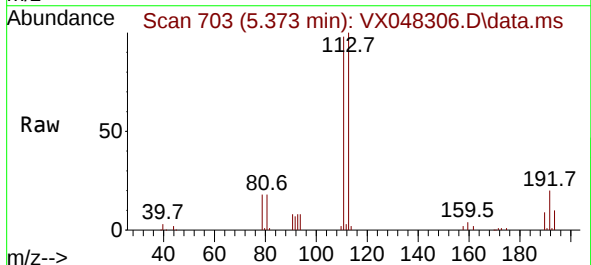
Instrument :
MSVOA_X
ClientSampleId :
TWP5

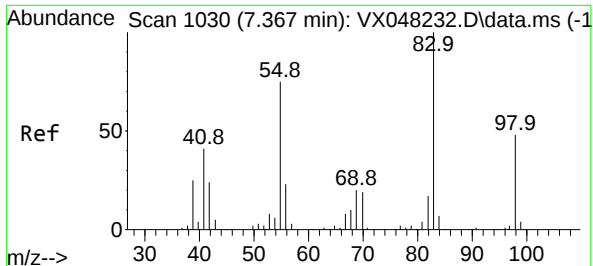
Tgt Ion:114 Resp: 187773
Ion Ratio Lower Upper
114 100
63 19.4 0.0 43.2
88 15.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 40.248 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

Tgt Ion:113 Resp: 51595
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 19.7 15.1 22.7





#39

Methylcyclohexane

Concen: 4.125 ug/l

RT: 7.360 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VX048306.D

Acq: 22 Oct 2025 17:55

Instrument :

MSVOA_X

ClientSampleId :

TWP5

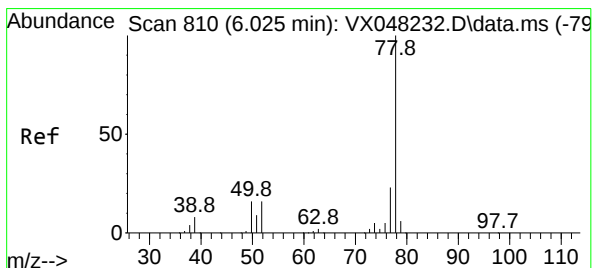
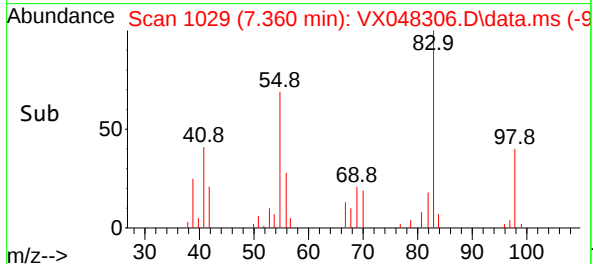
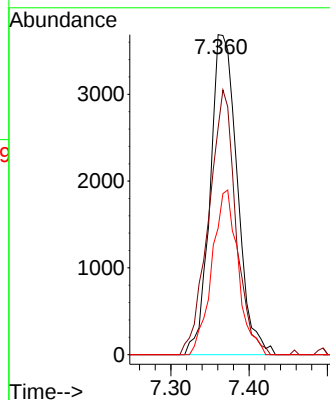
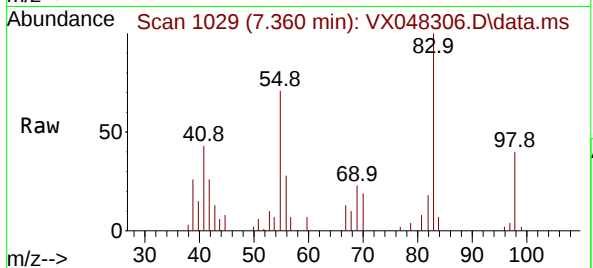
Tgt Ion: 83 Resp: 8876

Ion Ratio Lower Upper

83 100

55 70.8 66.2 99.2

98 39.5 38.9 58.3



#40

Benzene

Concen: 1.117 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX048306.D

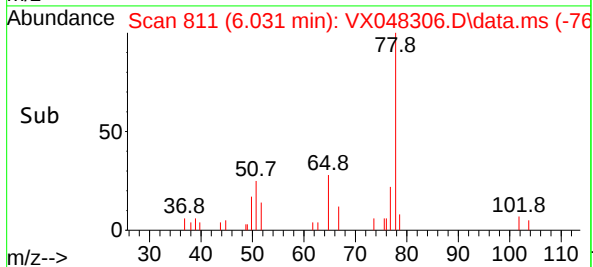
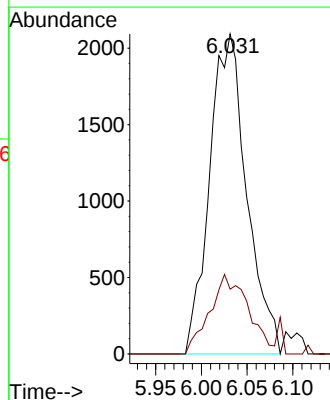
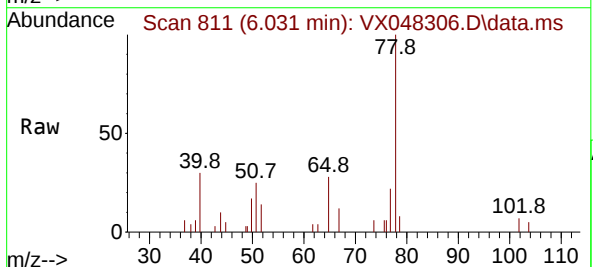
Acq: 22 Oct 2025 17:55

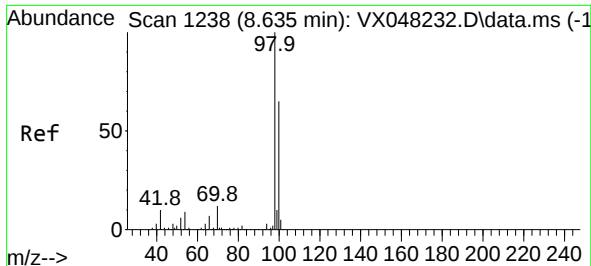
Tgt Ion: 78 Resp: 5911

Ion Ratio Lower Upper

78 100

77 20.3 19.3 28.9

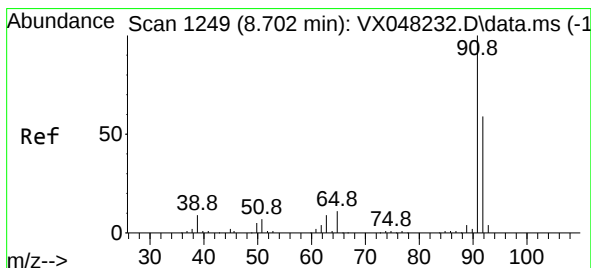
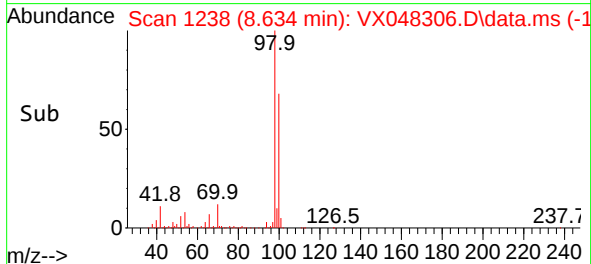
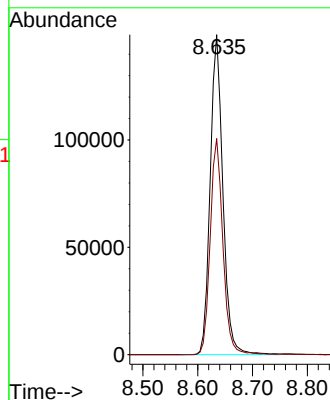
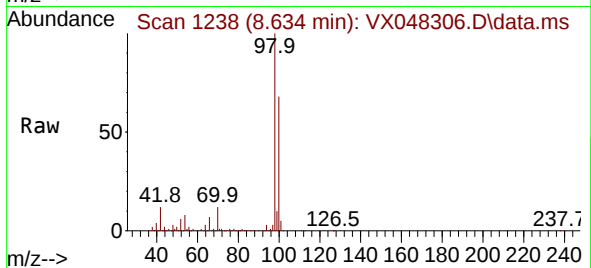




#50
Toluene-d8
Concen: 53.155 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

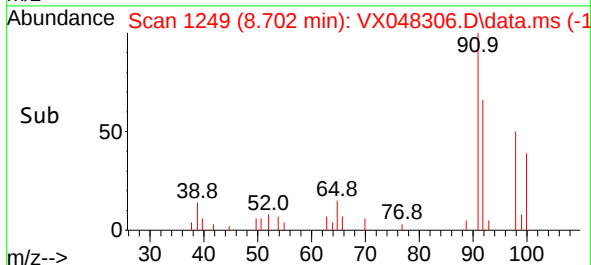
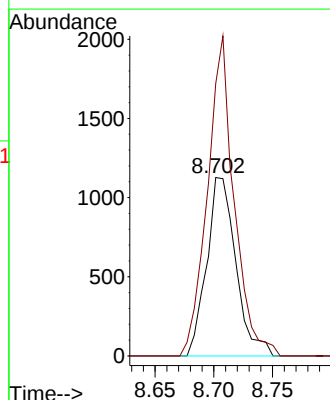
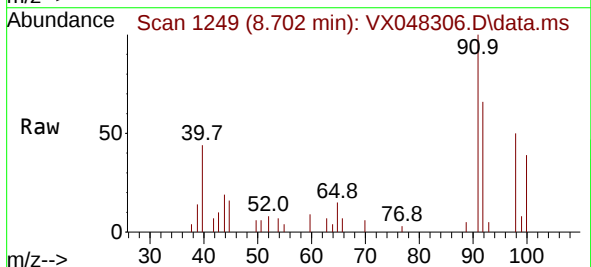
Instrument :
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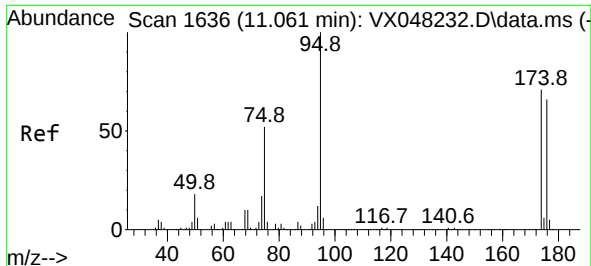
Tgt Ion: 98 Resp: 238837
Ion Ratio Lower Upper
98 100
100 67.5 53.0 79.4



#52
Toluene
Concen: 0.579 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 92 Resp: 1946
Ion Ratio Lower Upper
92 100
91 164.2 136.1 204.1

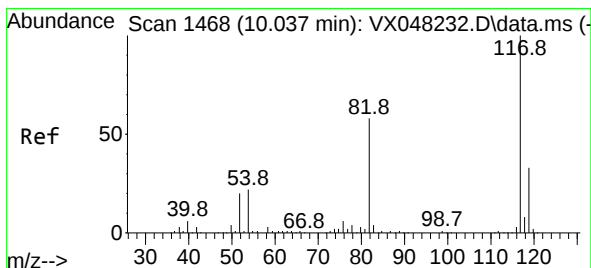
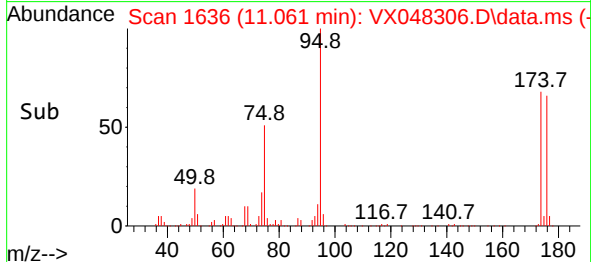
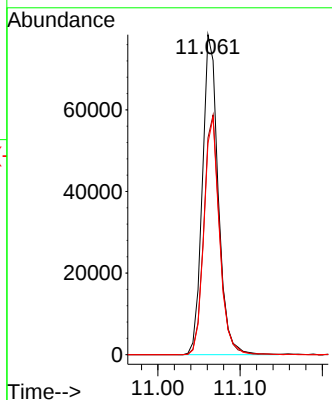
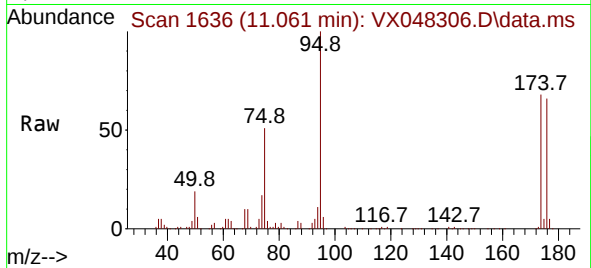




#62
4-Bromofluorobenzene
Concen: 61.257 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

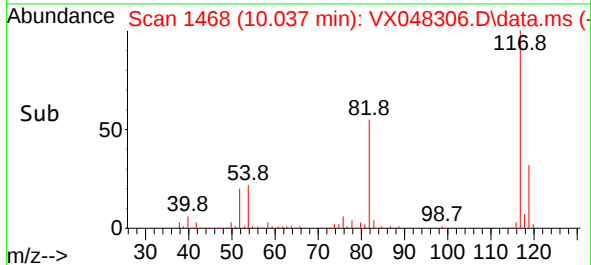
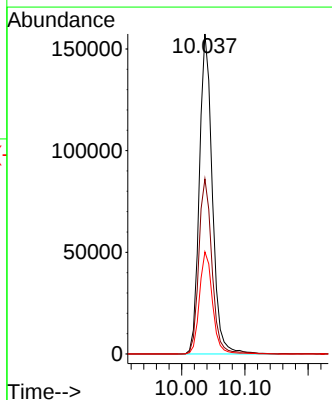
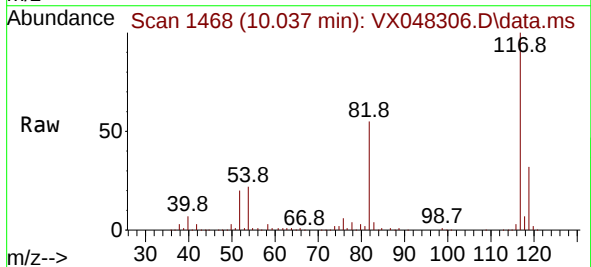
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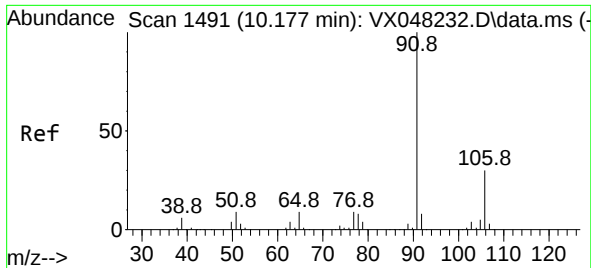
Tgt Ion: 95 Resp: 104710
Ion Ratio Lower Upper
95 100
174 74.8 0.0 147.8
176 72.8 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

Tgt Ion: 117 Resp: 223990
Ion Ratio Lower Upper
117 100
82 54.7 46.5 69.7
119 31.9 25.9 38.9

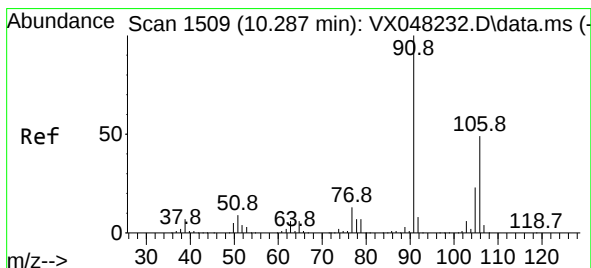
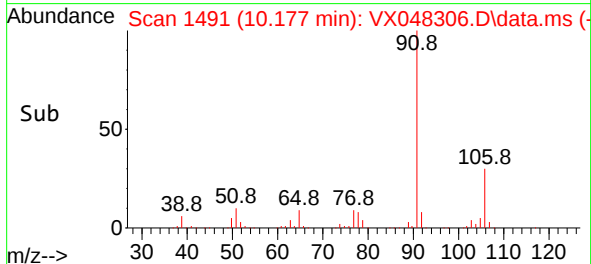
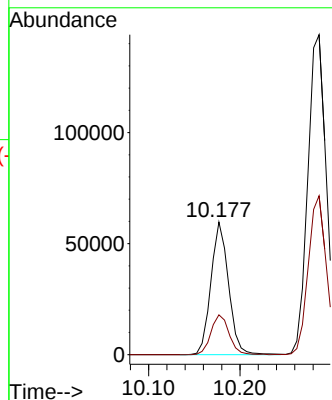
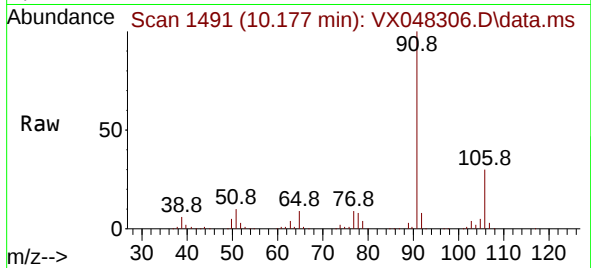




#67
Ethyl Benzene
Concen: 9.319 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

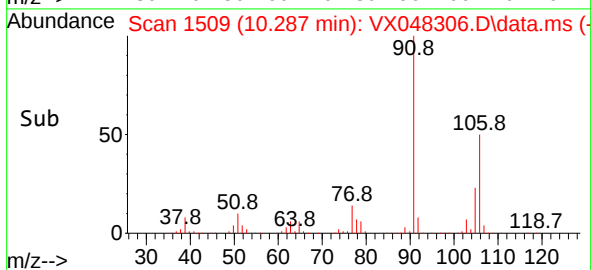
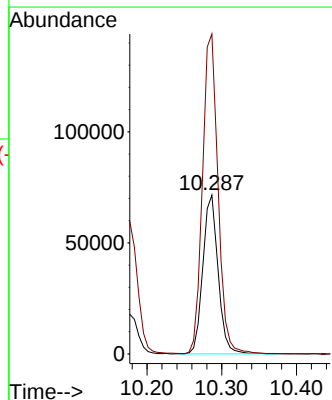
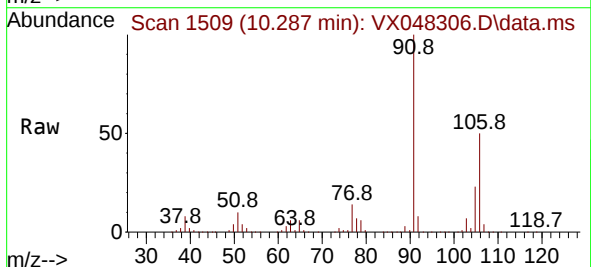
Instrument :
MSVOA_X
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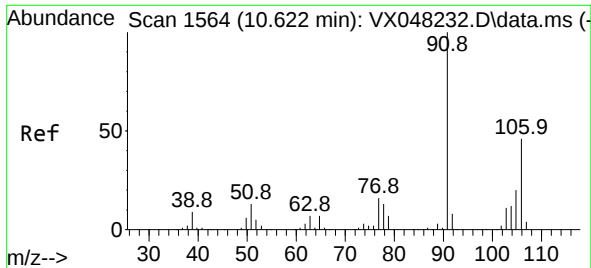
Tgt Ion: 91 Resp: 79948
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6



#68
m/p-Xylenes
Concen: 31.733 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

Tgt Ion:106 Resp: 101147
Ion Ratio Lower Upper
106 100
91 205.7 167.9 251.9

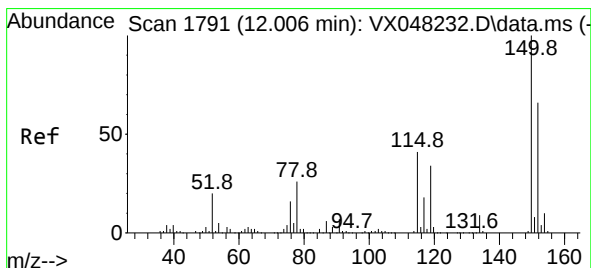
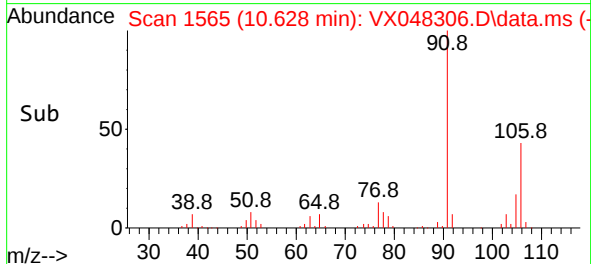
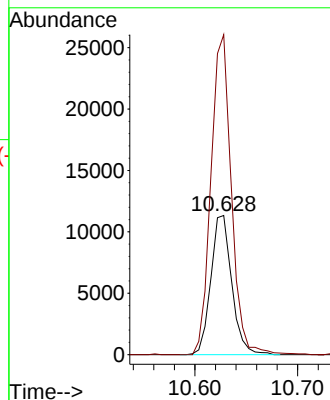
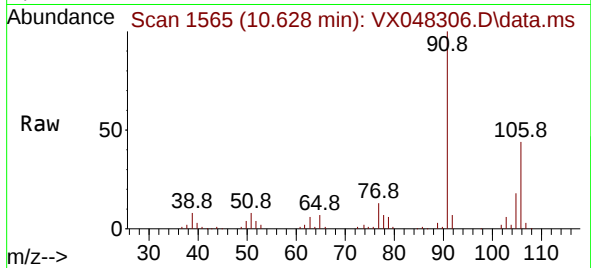




#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

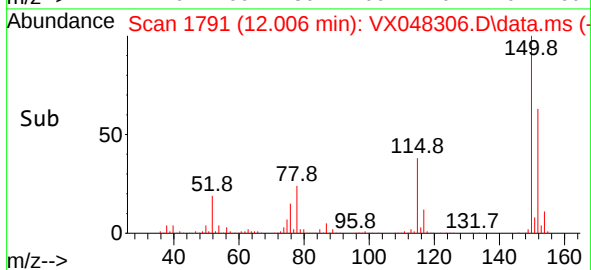
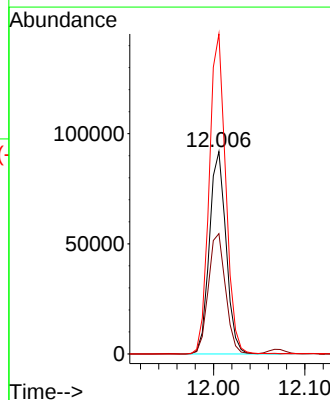
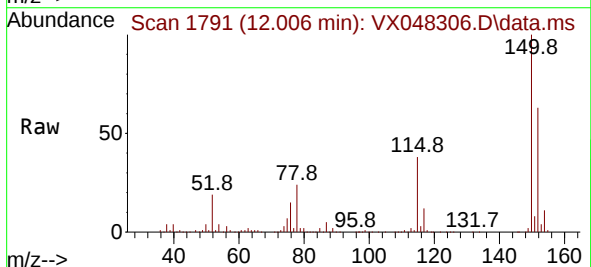
Instrument :
MSVOA_X
ClientSampleId :
TWP5

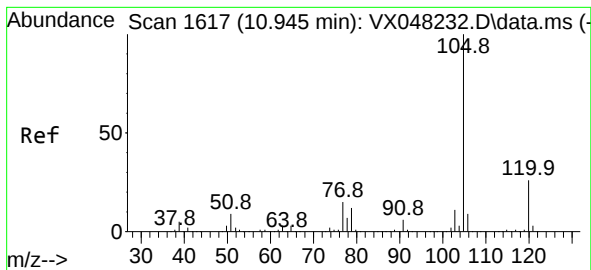
Tgt Ion:106 Resp: 16015
Ion Ratio Lower Upper
106 100
91 224.5 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

Tgt Ion:152 Resp: 116494
Ion Ratio Lower Upper
152 100
115 61.4 43.1 129.4
150 156.4 0.0 353.0





#73

Isopropylbenzene

Concen: 1.668 ug/l

RT: 10.945 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VX048306.D

Acq: 22 Oct 2025 17:55

Instrument :

MSVOA_X

ClientSampleId :

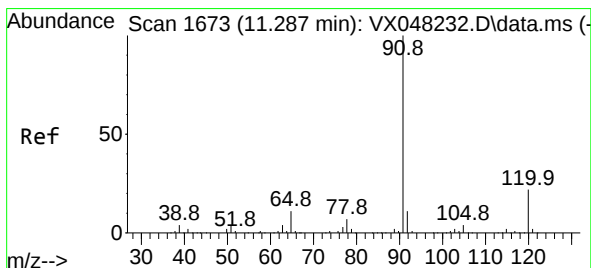
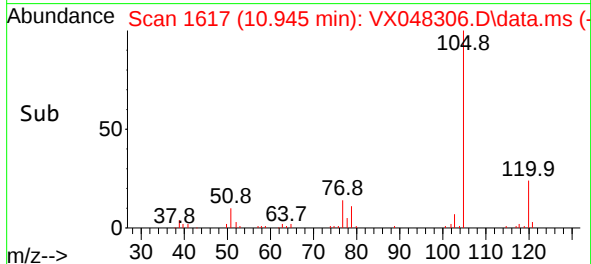
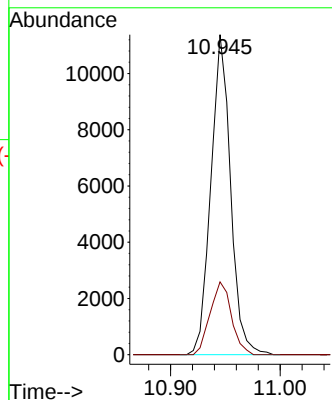
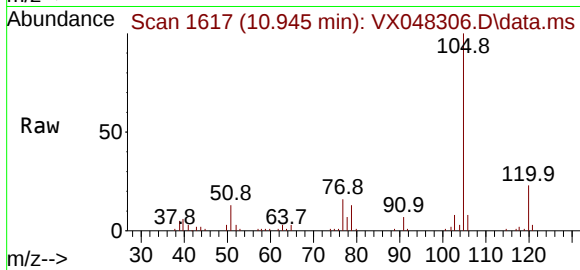
TWP5

Tgt Ion:105 Resp: 14189

Ion Ratio Lower Upper

105 100

120 24.7 13.0 38.9



#78

n-propylbenzene

Concen: 4.128 ug/l

RT: 11.286 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX048306.D

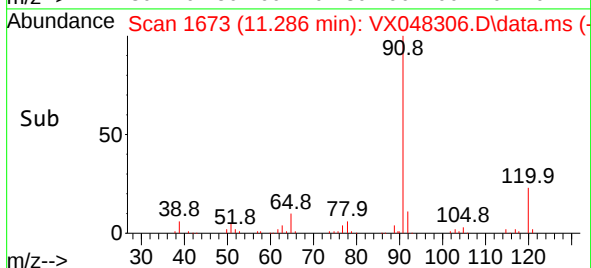
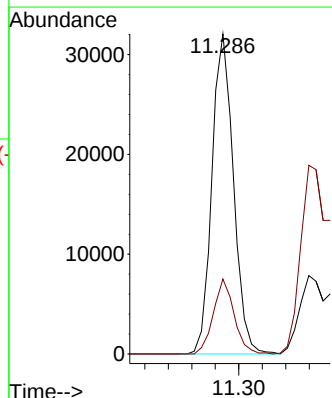
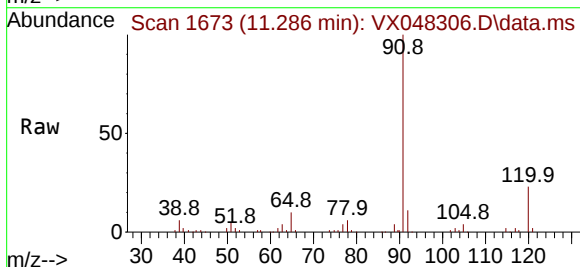
Acq: 22 Oct 2025 17:55

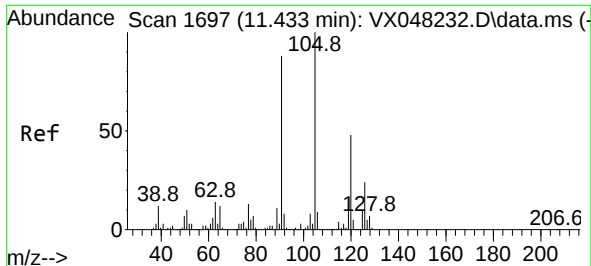
Tgt Ion: 91 Resp: 40667

Ion Ratio Lower Upper

91 100

120 22.7 11.1 33.1

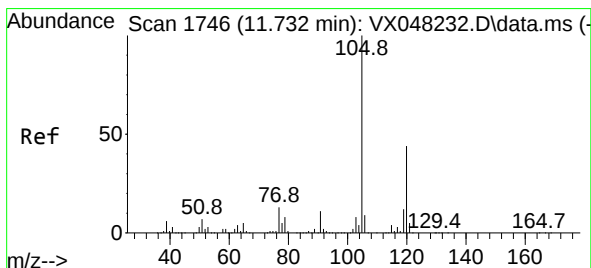
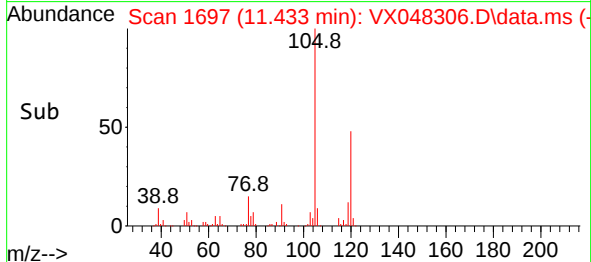
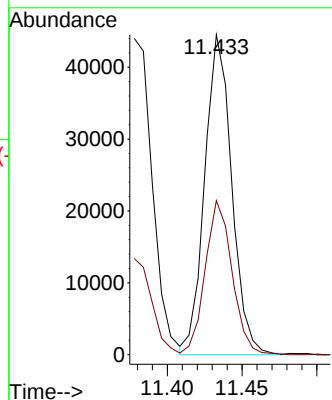
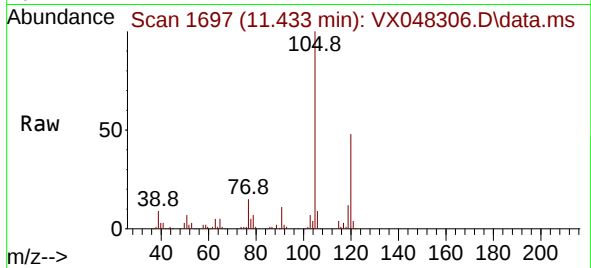




#80
1,3,5-Trimethylbenzene
Concen: 7.941 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

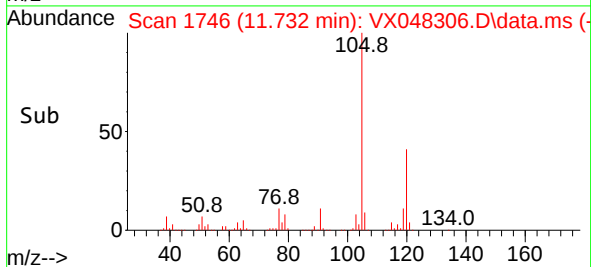
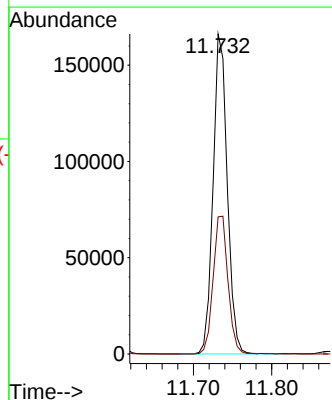
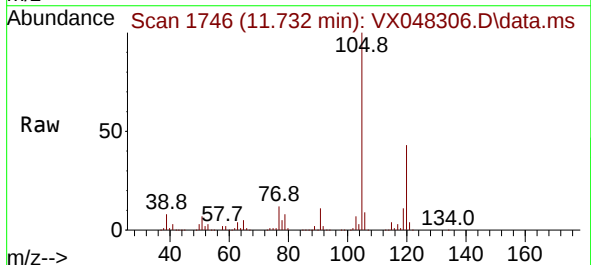
Instrument :
MSVOA_X
ClientSampleId :
TWP5

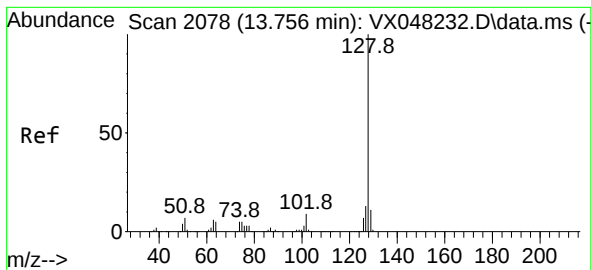
Tgt Ion:105 Resp: 55919
Ion Ratio Lower Upper
105 100
120 48.0 24.0 72.0



#84
1,2,4-Trimethylbenzene
Concen: 29.719 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048306.D
Acq: 22 Oct 2025 17:55

Tgt Ion:105 Resp: 208839
Ion Ratio Lower Upper
105 100
120 45.1 22.1 66.5





#95

Naphthalene

Concen: 15.976 ug/l

RT: 13.756 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX048306.D

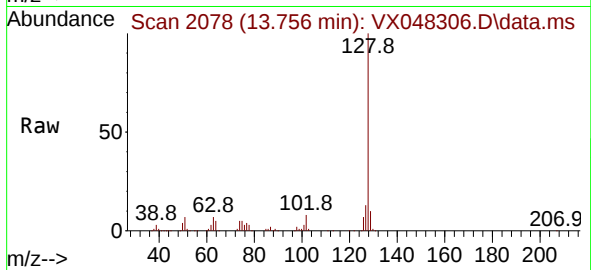
Acq: 22 Oct 2025 17:55

Instrument :

MSVOA_X

ClientSampleId :

TWP5



Tgt Ion:128 Resp: 108092

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.5 8.6 12.8

