

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048307.D
 Acq On : 22 Oct 2025 18:16
 Operator : JC/MD
 Sample : Q3426-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW2

Quant Time: Oct 24 05:58:02 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)

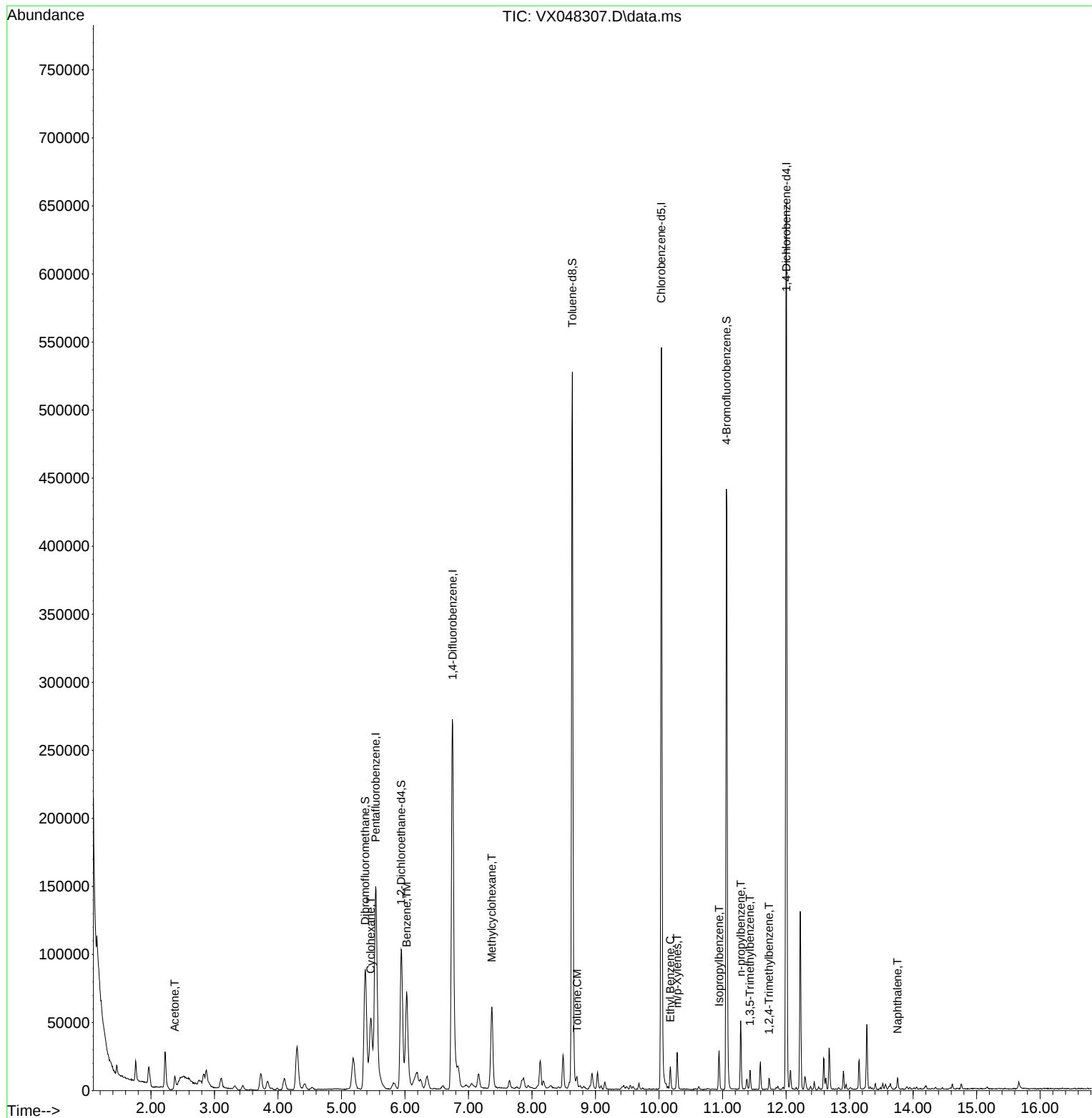
Internal Standards						
1) Pentafluorobenzene	5.538	168	146859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	304926	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	146075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	112702	54.734	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.460%	
35) Dibromofluoromethane	5.373	113	85535	41.089	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 82.180%	
50) Toluene-d8	8.635	98	320646	43.944	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 87.880%#	
62) 4-Bromofluorobenzene	11.061	95	130855	47.141	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.280%	
Target Compounds						
					Qvalue	
16) Acetone	2.373	43	13670	19.352	ug/l	98
31) Cyclohexane	5.458	56	39642	15.510	ug/l	95
39) Methylcyclohexane	7.367	83	27395	7.840	ug/l	98
40) Benzene	6.025	78	89823	10.456	ug/l	99
52) Toluene	8.708	92	3225	0.591	ug/l	96
67) Ethyl Benzene	10.177	91	10017	1.011	ug/l	100
68) m/p-Xylenes	10.287	106	6496	1.765	ug/l	98
73) Isopropylbenzene	10.945	105	14505	1.360	ug/l	99
78) n-propylbenzene	11.287	91	30357	2.457	ug/l	96
80) 1,3,5-Trimethylbenzene	11.433	105	6313	0.715	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	4001	0.454	ug/l	98
95) Naphthalene	13.756	128	5424	0.639	ug/l #	97

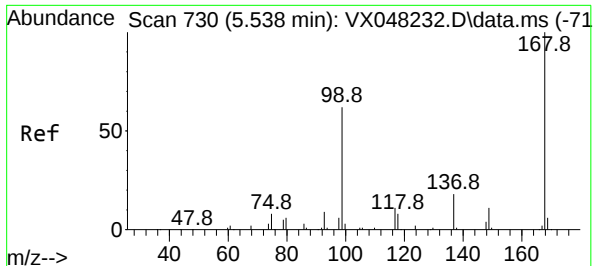
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

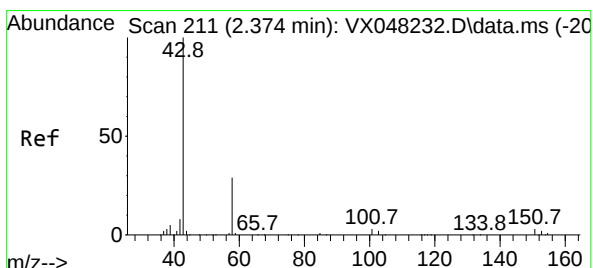
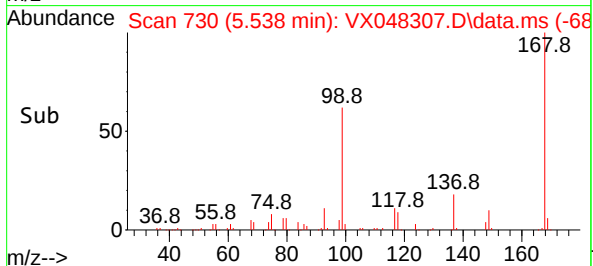
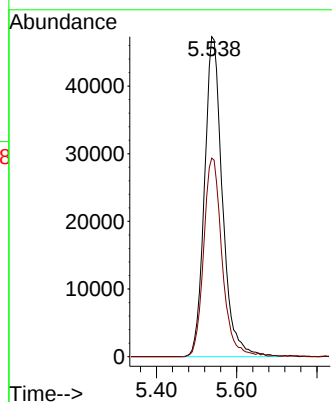
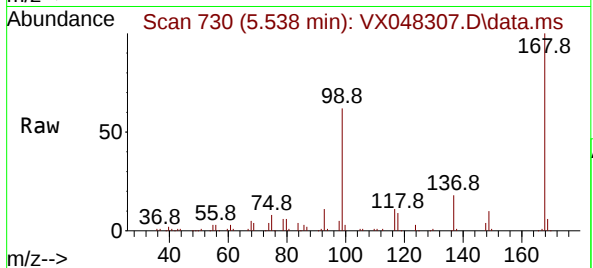




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

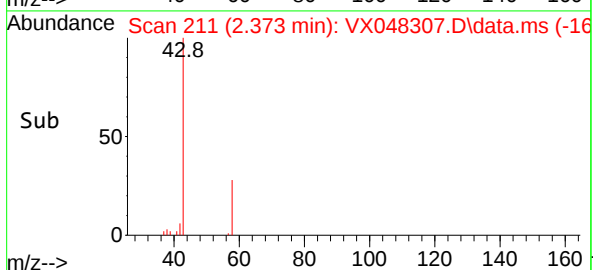
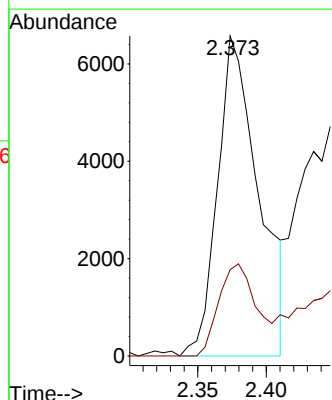
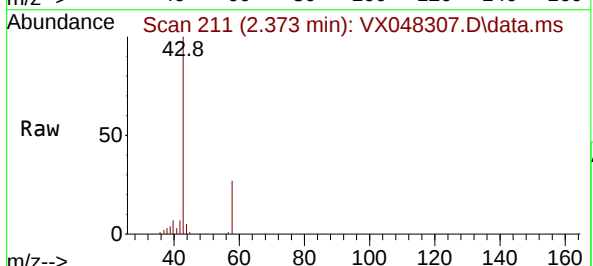
Instrument :
MSVOA_X
ClientSampleId :
MW2

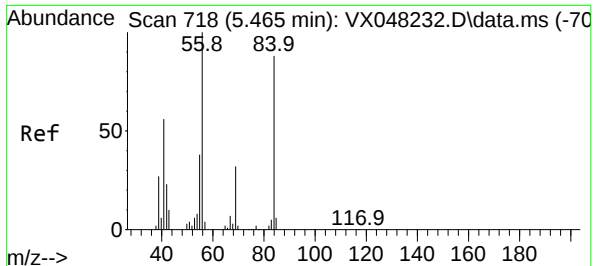
Tgt Ion:168 Resp: 146859
Ion Ratio Lower Upper
168 100
99 62.0 46.4 69.6



#16
Acetone
Concen: 19.352 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

Tgt Ion: 43 Resp: 13670
Ion Ratio Lower Upper
43 100
58 28.1 23.4 35.2

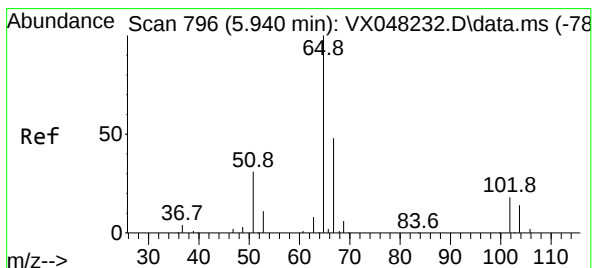
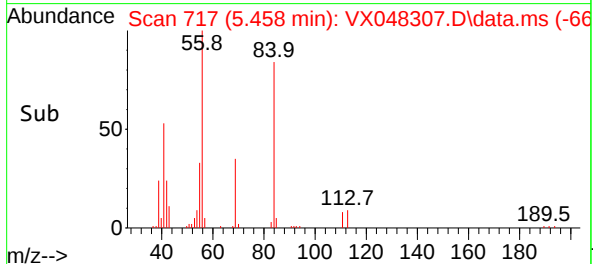
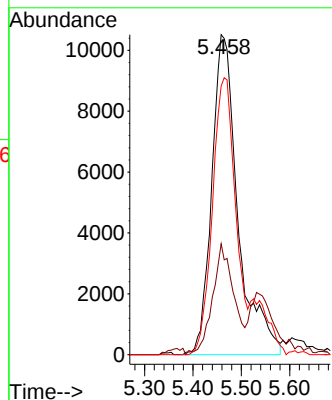
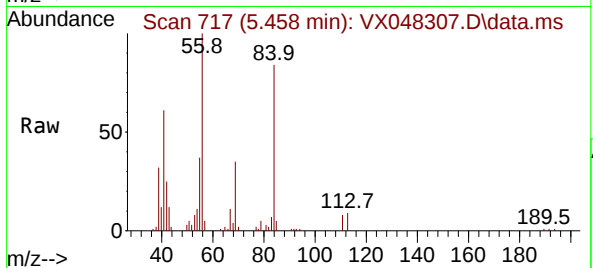




#31
Cyclohexane
Concen: 15.510 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

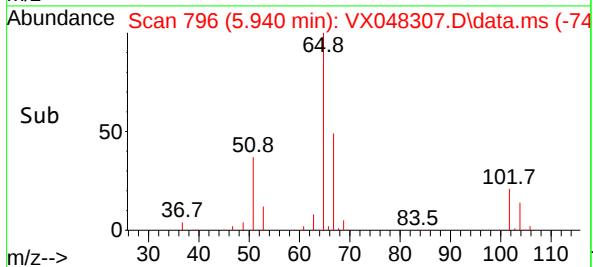
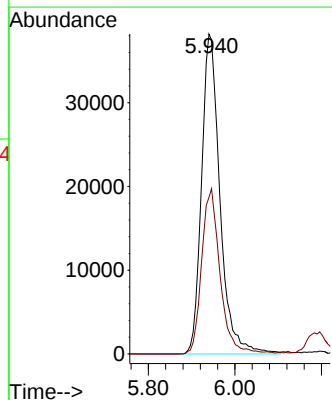
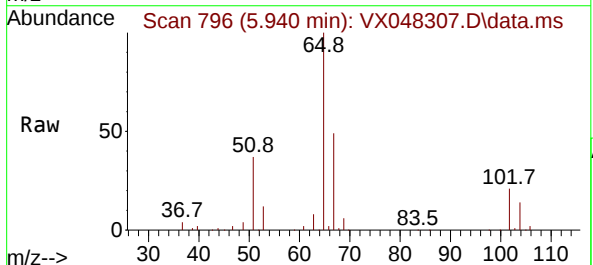
Instrument :
MSVOA_X
ClientSampleId :
MW2

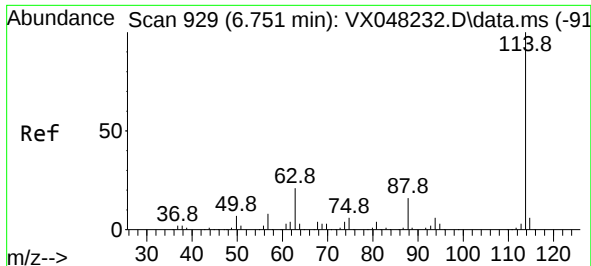
Tgt Ion: 56 Resp: 39642
Ion Ratio Lower Upper
56 100
69 33.3 23.0 34.6
84 83.9 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 54.734 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

Tgt Ion: 65 Resp: 112702
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.0

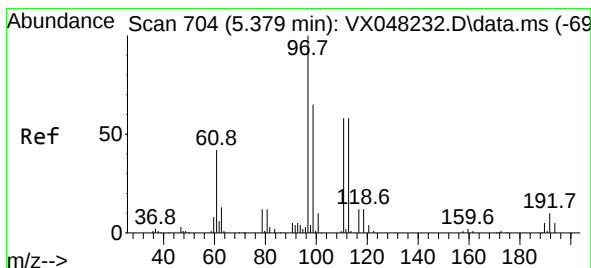
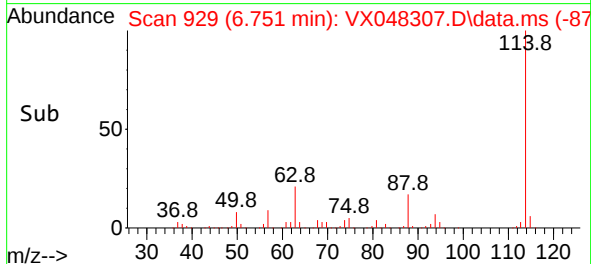
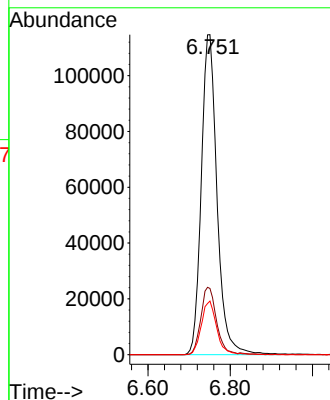
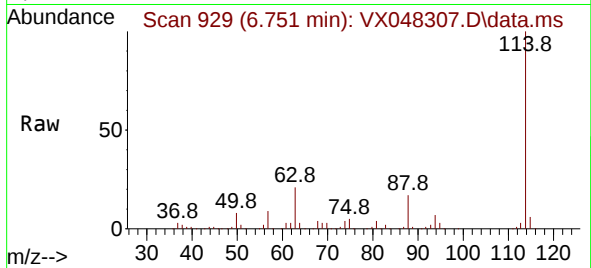




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

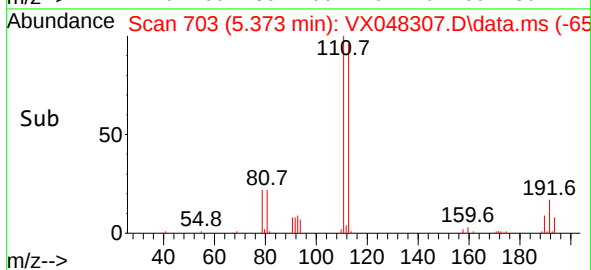
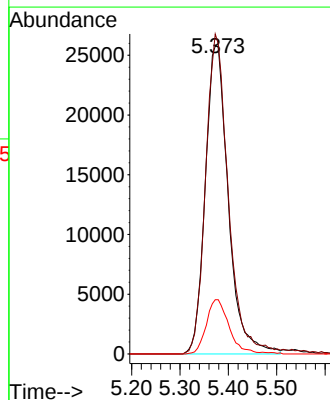
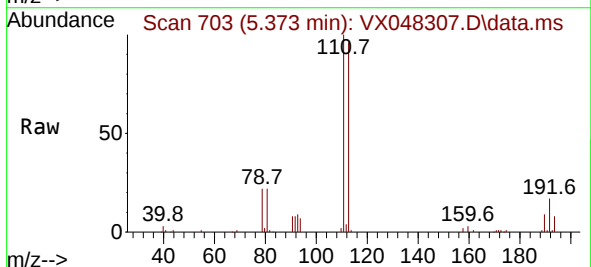
Instrument :
MSVOA_X
ClientSampleId :
MW2

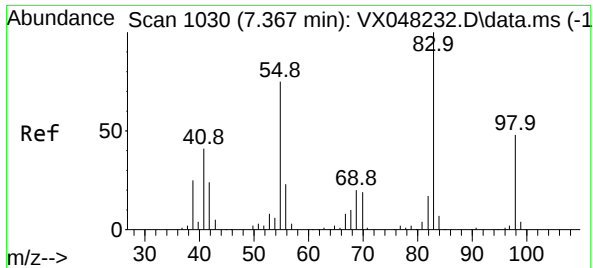
Tgt Ion:114 Resp: 304926
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.2
88 16.8 0.0 33.6



#35
Dibromofluoromethane
Concen: 41.089 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

Tgt Ion:113 Resp: 85535
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 17.2 15.1 22.7

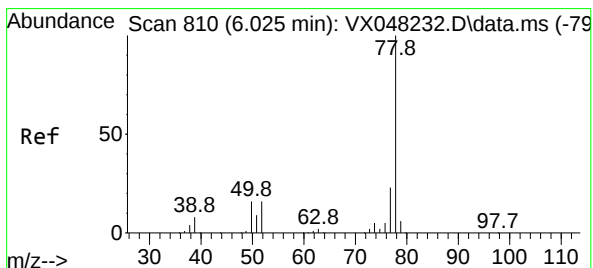
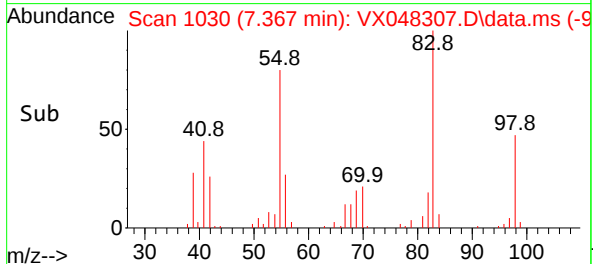
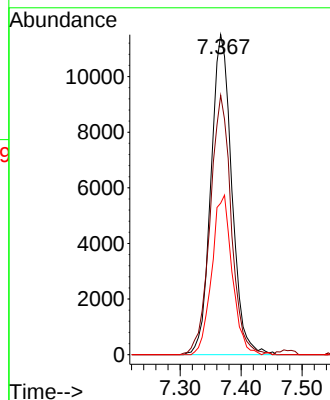
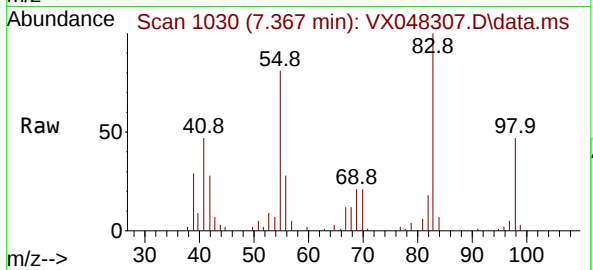




#39
Methylcyclohexane
Concen: 7.840 ug/l
RT: 7.367 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

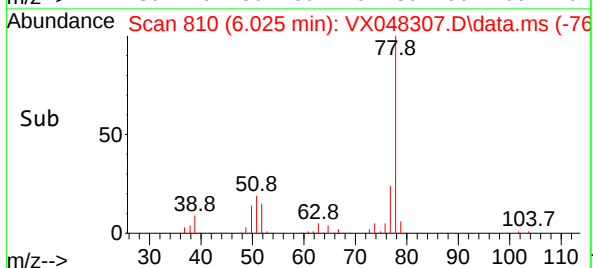
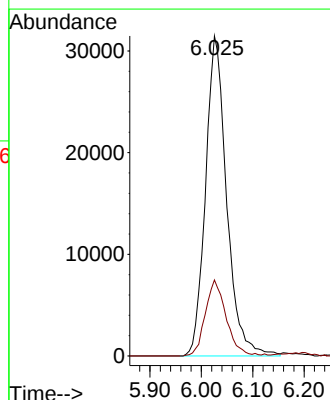
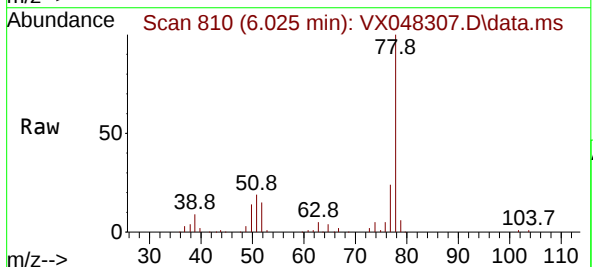
Instrument :
MSVOA_X
ClientSampleId :
MW2

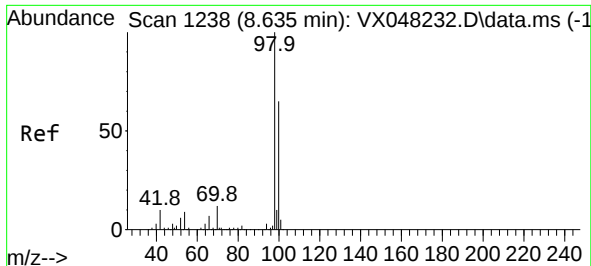
Tgt Ion: 83 Resp: 27395
Ion Ratio Lower Upper
83 100
55 81.0 66.2 99.2
98 47.4 38.9 58.3



#40
Benzene
Concen: 10.456 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

Tgt Ion: 78 Resp: 89823
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9

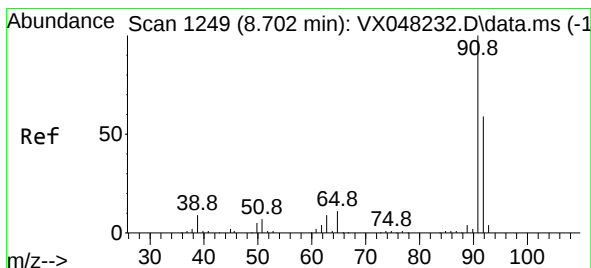
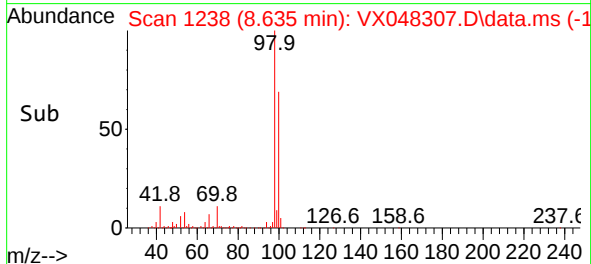
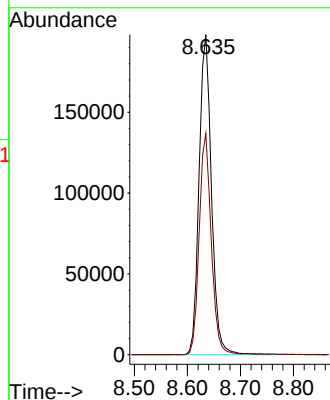
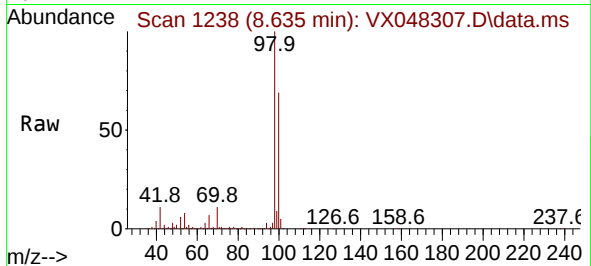




#50
Toluene-d8
Concen: 43.944 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

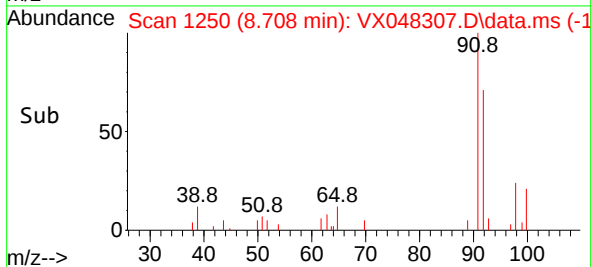
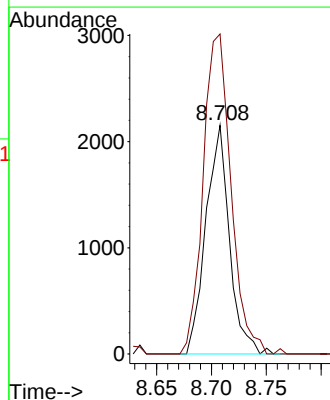
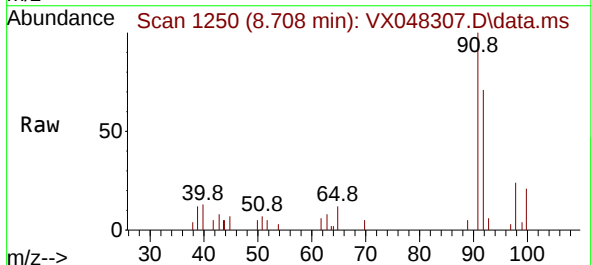
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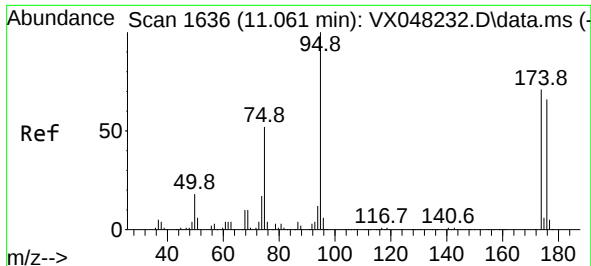
Tgt Ion: 98 Resp: 320646
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4



#52
Toluene
Concen: 0.591 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

Tgt Ion: 92 Resp: 3225
Ion Ratio Lower Upper
92 100
91 164.6 136.1 204.1

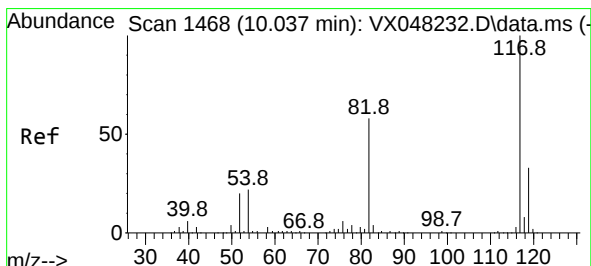
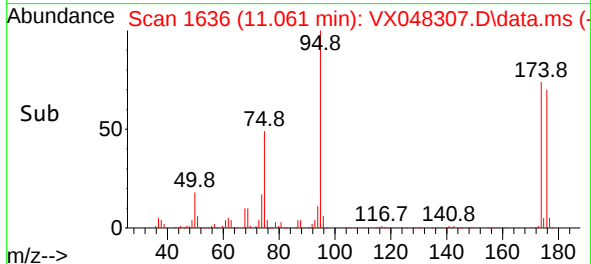
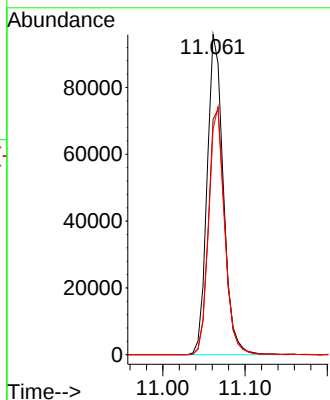
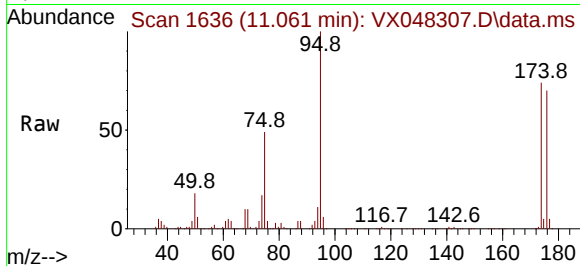




#62
4-Bromofluorobenzene
Concen: 47.141 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

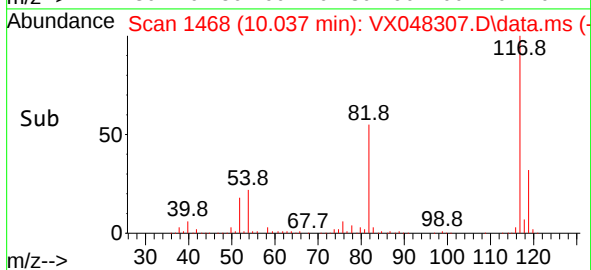
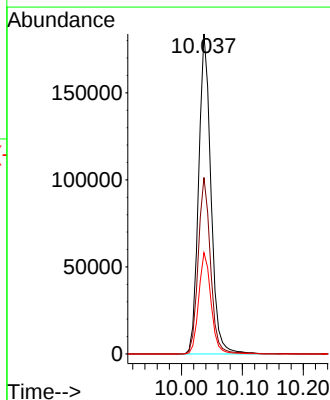
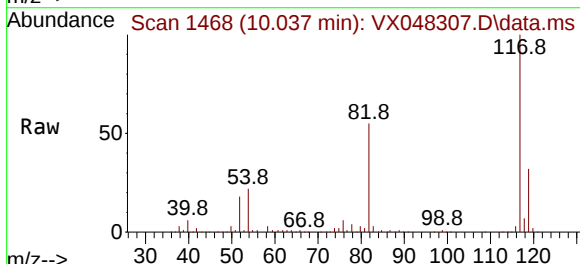
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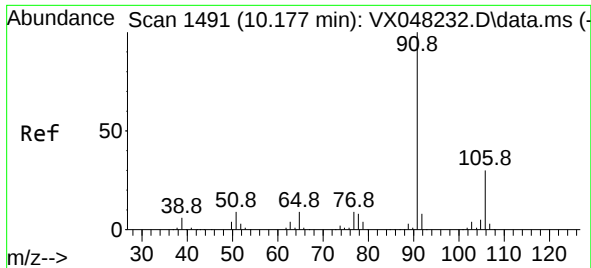
Tgt Ion: 95 Resp: 130855
Ion Ratio Lower Upper
95 100
174 77.9 0.0 147.8
176 75.8 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

Tgt Ion: 117 Resp: 258598
Ion Ratio Lower Upper
117 100
82 55.1 46.5 69.7
119 31.7 25.9 38.9





#67

Ethyl Benzene

Concen: 1.011 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048307.D

Acq: 22 Oct 2025 18:16

Instrument :

MSVOA_X

ClientSampleId :

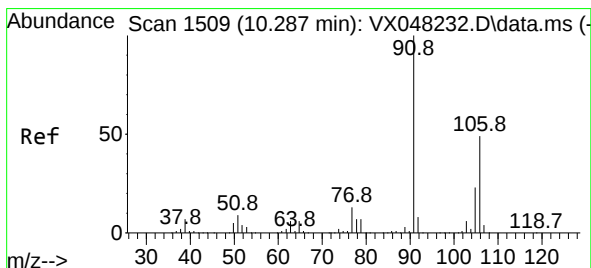
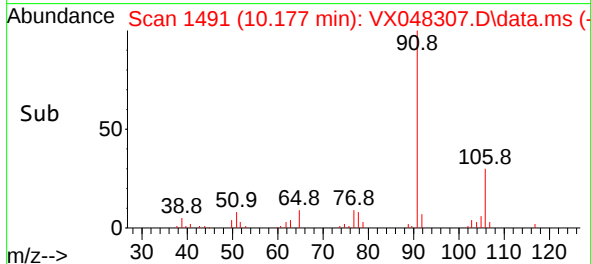
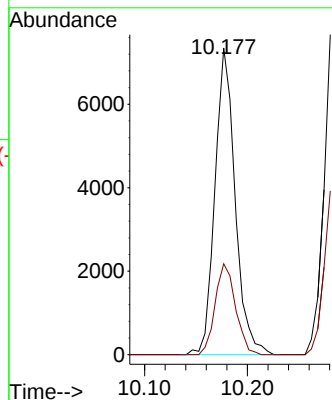
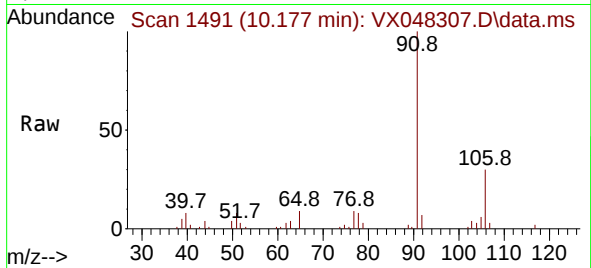
MW2

Tgt Ion: 91 Resp: 10017

Ion Ratio Lower Upper

91 100

106 29.7 23.8 35.6



#68

m/p-Xylenes

Concen: 1.765 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX048307.D

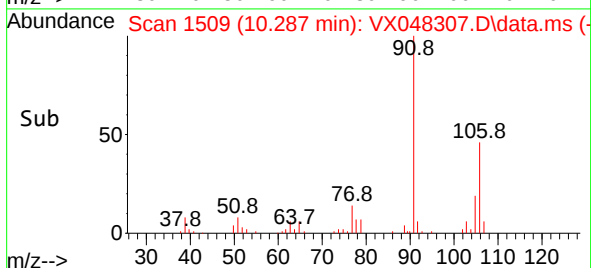
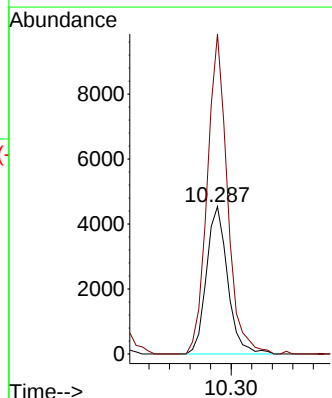
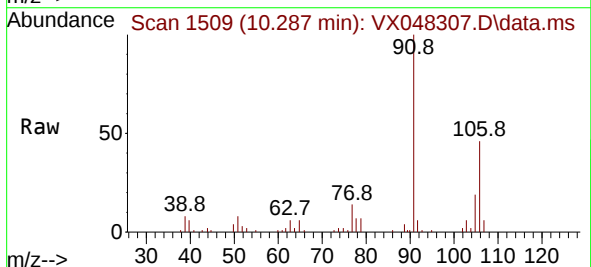
Acq: 22 Oct 2025 18:16

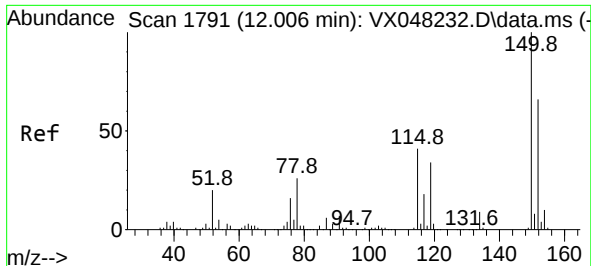
Tgt Ion:106 Resp: 6496

Ion Ratio Lower Upper

106 100

91 206.2 167.9 251.9

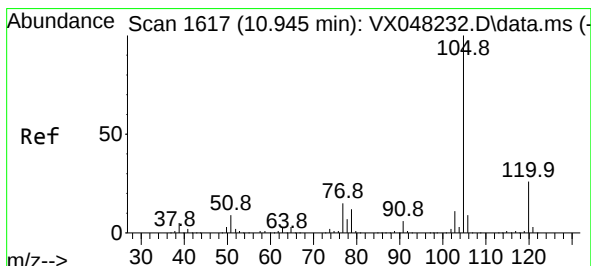
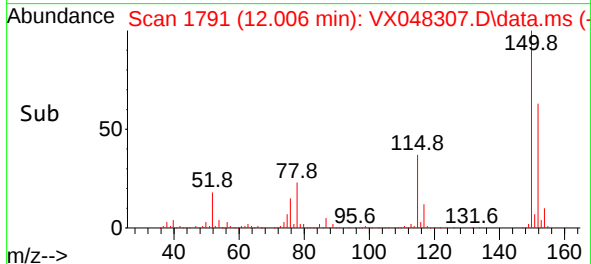
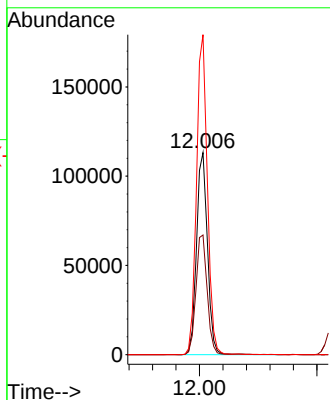
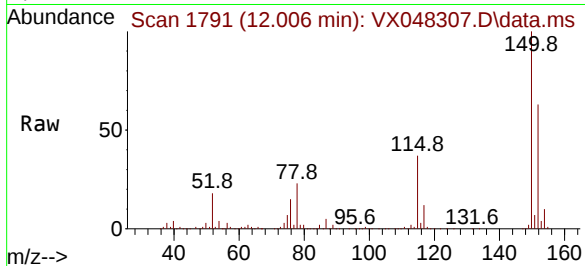




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

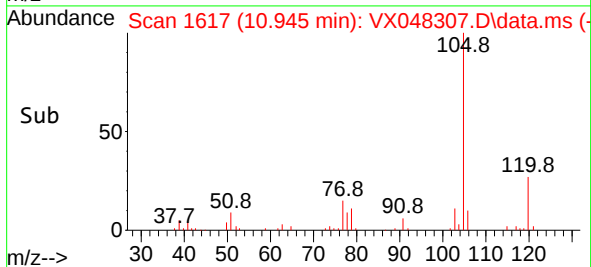
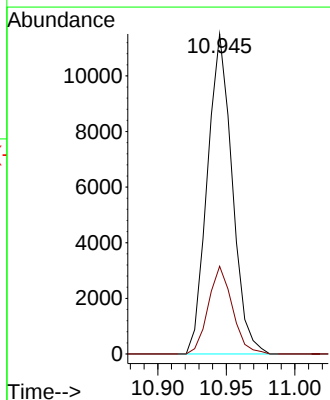
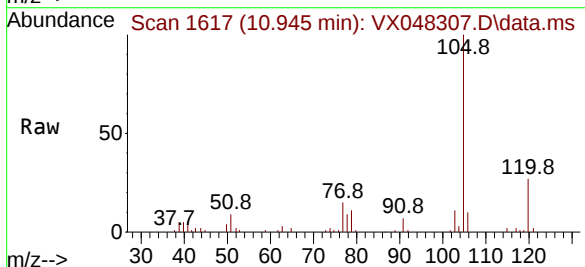
Instrument :
MSVOA_X
ClientSampleId :
MW2

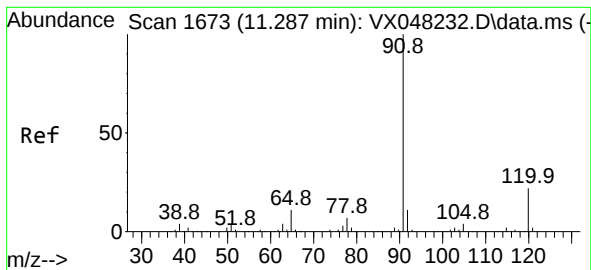
Tgt Ion:152 Resp: 146075
Ion Ratio Lower Upper
152 100
115 60.9 43.1 129.4
150 157.4 0.0 353.0



#73
Isopropylbenzene
Concen: 1.360 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

Tgt Ion:105 Resp: 14505
Ion Ratio Lower Upper
105 100
120 26.5 13.0 38.9

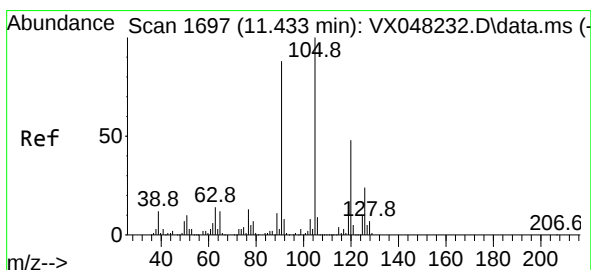
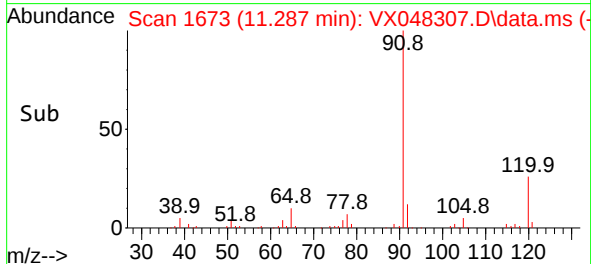
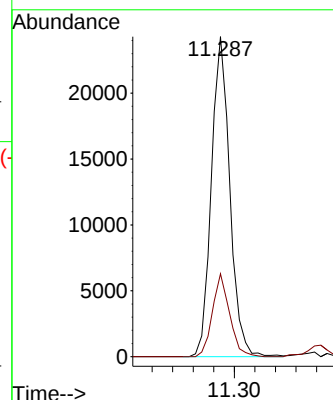
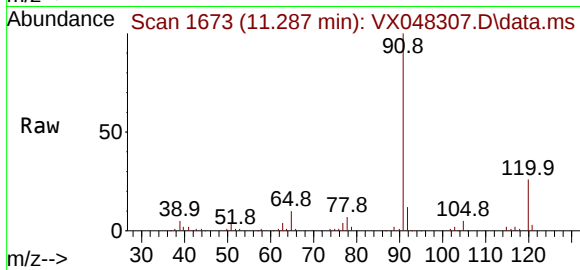




#78
n-propylbenzene
Concen: 2.457 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

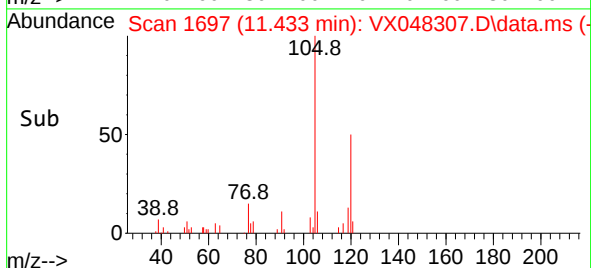
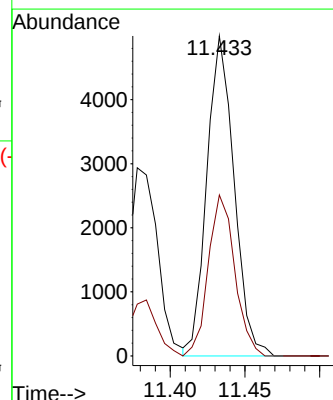
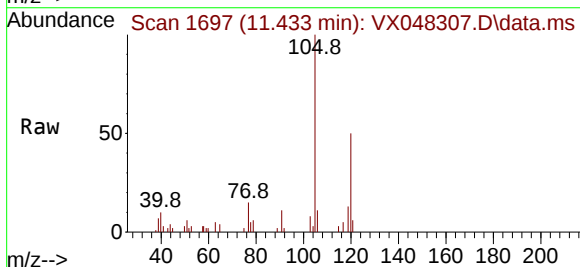
Instrument :
MSVOA_X
ClientSampleId :
MW2

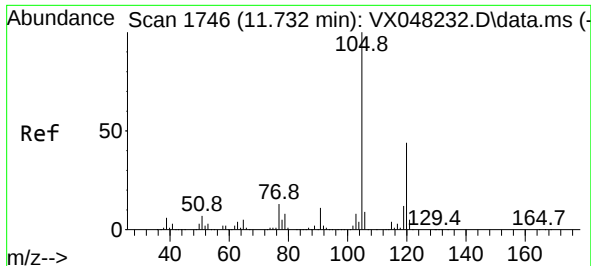
Tgt Ion: 91 Resp: 30357
Ion Ratio Lower Upper
91 100
120 24.1 11.1 33.1



#80
1,3,5-Trimethylbenzene
Concen: 0.715 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

Tgt Ion: 105 Resp: 6313
Ion Ratio Lower Upper
105 100
120 49.0 24.0 72.0

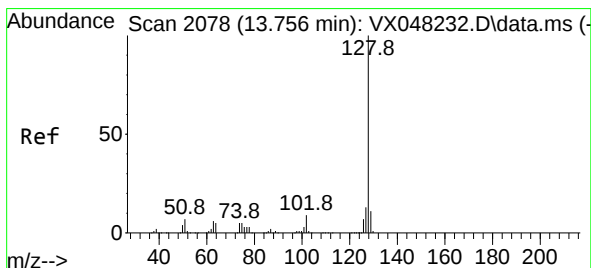
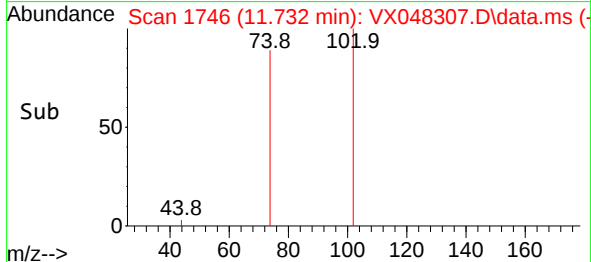
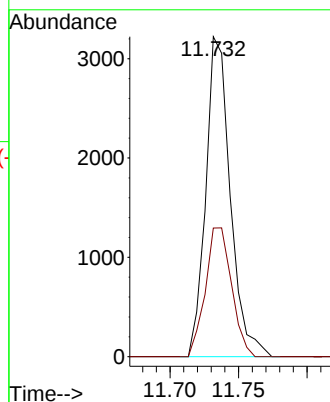
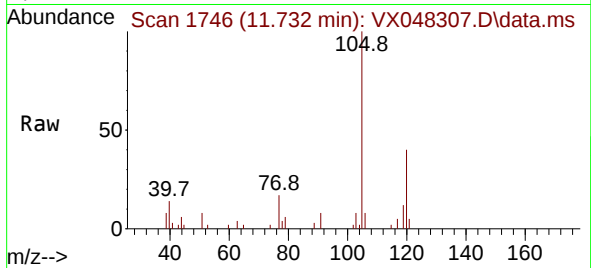




#84
1,2,4-Trimethylbenzene
Concen: 0.454 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

Instrument :
MSVOA_X
ClientSampleId :
MW2

Tgt Ion:105 Resp: 4001
Ion Ratio Lower Upper
105 100
120 43.1 22.1 66.5



#95
Naphthalene
Concen: 0.639 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048307.D
Acq: 22 Oct 2025 18:16

Tgt Ion:128 Resp: 5424
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 13.1 8.6 12.8#

