

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048359.D
 Acq On : 27 Oct 2025 10:54
 Operator : JC/MD
 Sample : Q3446-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-14

Quant Time: Oct 28 01:49:21 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)

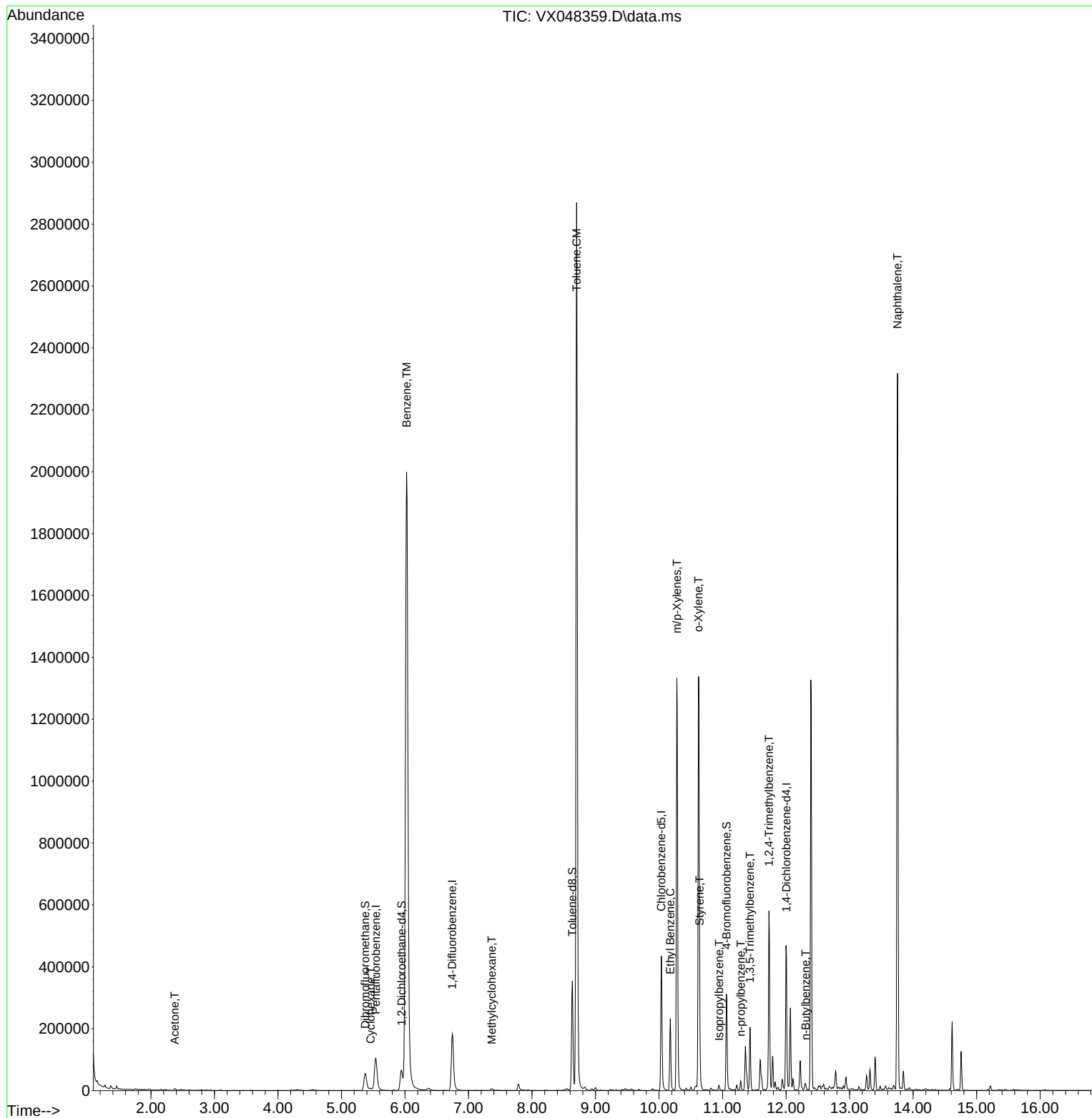
Internal Standards						
1) Pentafluorobenzene	5.544	168	103419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	196651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	189699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	92287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	74714	51.527	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.060%			
35) Dibromofluoromethane	5.373	113	53215	39.638	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 79.280%			
50) Toluene-d8	8.635	98	212889	45.241	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.480%#			
62) 4-Bromofluorobenzene	11.061	95	85452	47.734	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.460%			
Target Compounds					Qvalue	
16) Acetone	2.374	43	7809	15.698	ug/l	98
31) Cyclohexane	5.458	56	3551	1.973	ug/l	95
39) Methylcyclohexane	7.367	83	2317	1.028	ug/l	87
40) Benzene	6.025	78	2552797	460.791	ug/l	100
52) Toluene	8.702	92	1077170	306.058	ug/l	99
67) Ethyl Benzene	10.177	91	132511	18.239	ug/l	100
68) m/p-Xylenes	10.281	106	307306	113.840	ug/l	100
69) o-Xylene	10.622	106	278173	106.737	ug/l	99
70) Styrene	10.640	104	76181	17.167	ug/l #	44
73) Isopropylbenzene	10.945	105	8416	1.249	ug/l	97
78) n-propylbenzene	11.287	91	18443	2.363	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	84493	15.147	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	240368	43.177	ug/l	97
89) n-Butylbenzene	12.311	91	5601	1.032	ug/l #	56
95) Naphthalene	13.756	128	1334044	248.897	ug/l	99

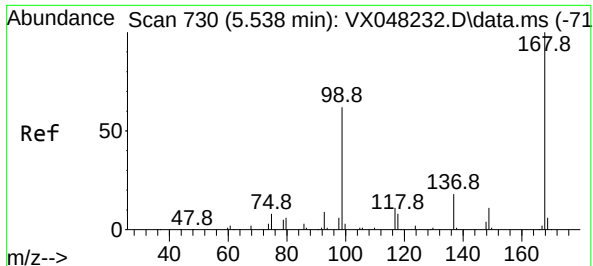
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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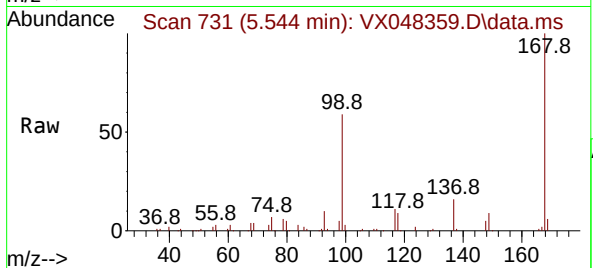
Quant Time: Oct 28 01:49:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



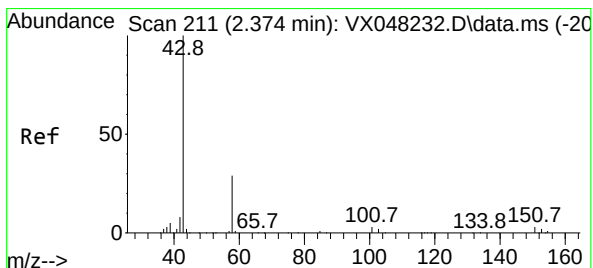
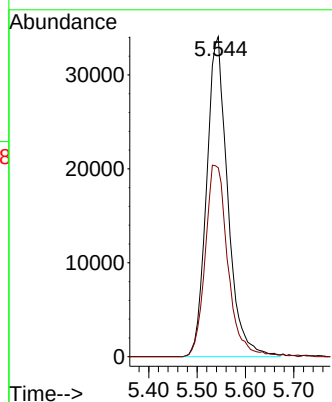


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

Instrument :
MSVOA_X
ClientSampleId :
SB-14

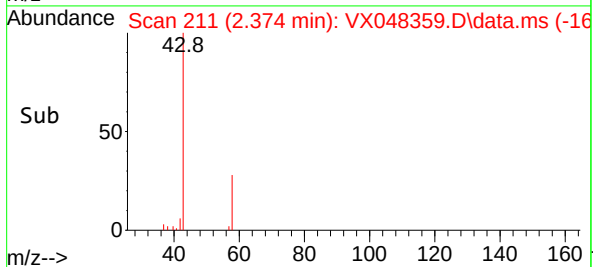
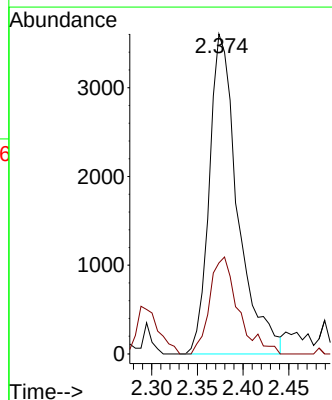
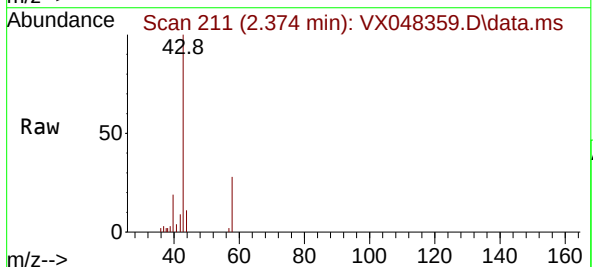


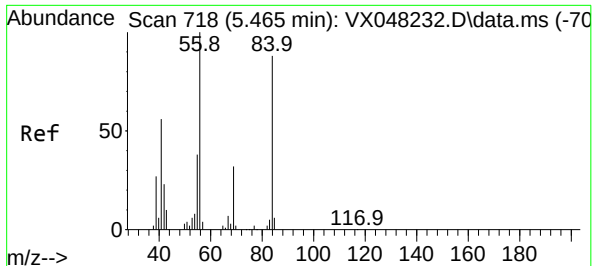
Tgt Ion:168 Resp: 103419
Ion Ratio Lower Upper
168 100
99 59.0 46.4 69.6



#16
Acetone
Concen: 15.698 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

Tgt Ion: 43 Resp: 7809
Ion Ratio Lower Upper
43 100
58 28.5 23.4 35.2

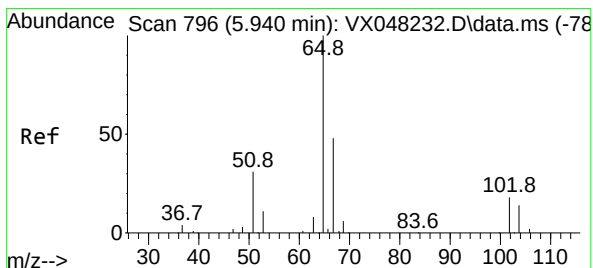
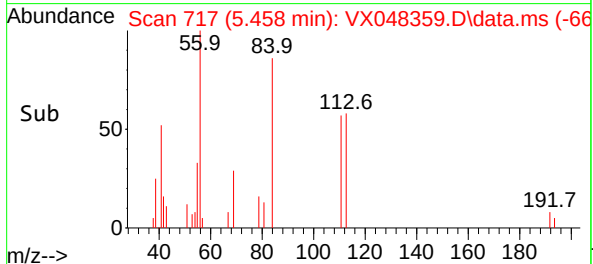
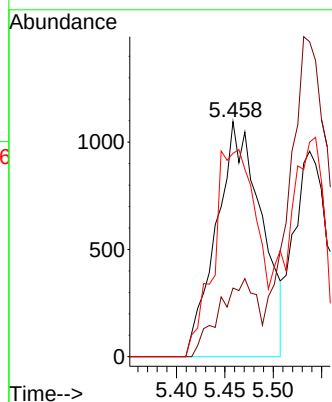
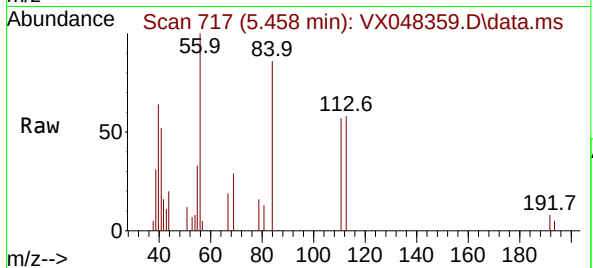




#31
Cyclohexane
Concen: 1.973 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

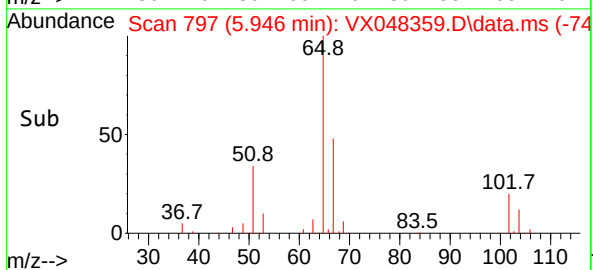
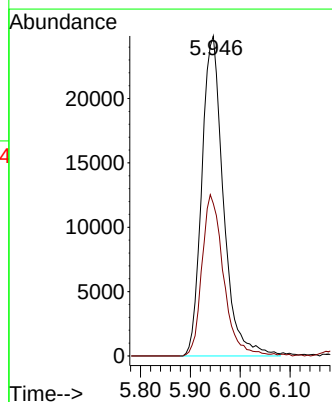
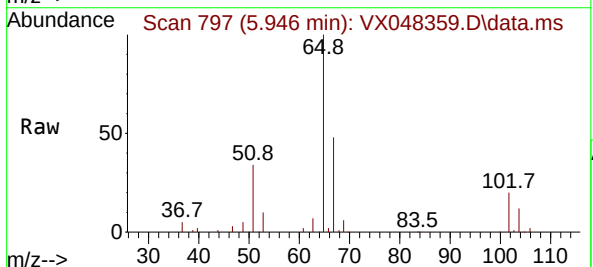
Instrument :
MSVOA_X
ClientSampleId :
SB-14

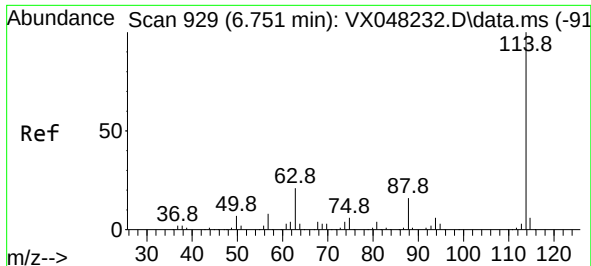
Tgt Ion: 56 Resp: 3551
Ion Ratio Lower Upper
56 100
69 29.2 23.0 34.6
84 86.5 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 51.527 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

Tgt Ion: 65 Resp: 74714
Ion Ratio Lower Upper
65 100
67 50.2 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: VX048359.D

Acq: 27 Oct 2025 10:54

Instrument :

MSVOA_X

ClientSampleId :

SB-14

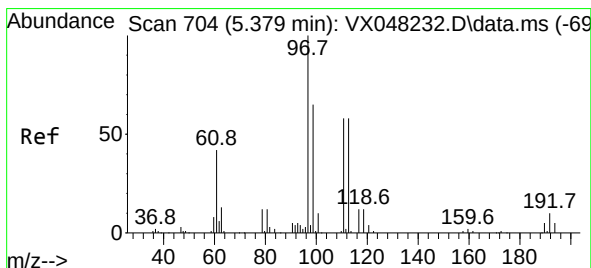
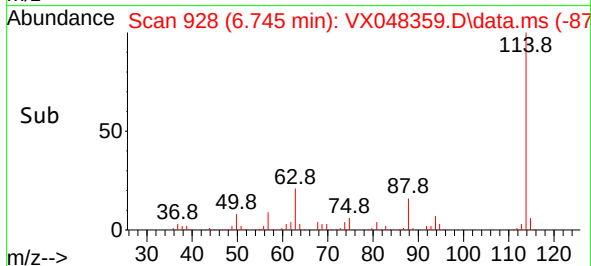
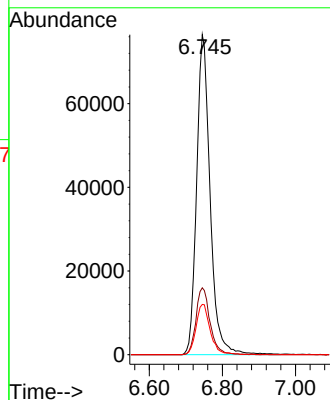
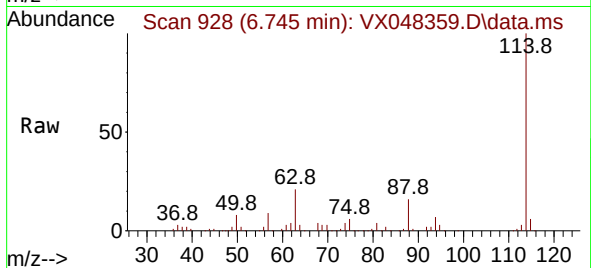
Tgt Ion:114 Resp: 196651

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 15.7 0.0 33.6



#35

Dibromofluoromethane

Concen: 39.638 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048359.D

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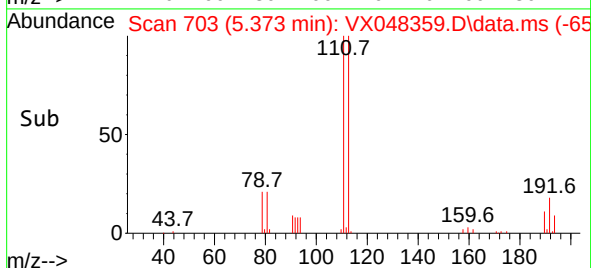
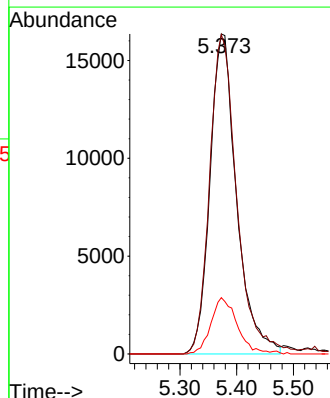
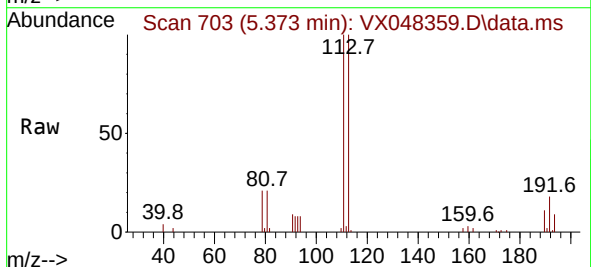
Tgt Ion:113 Resp: 53215

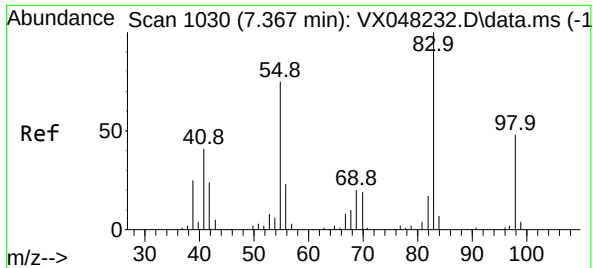
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 17.3 15.1 22.7

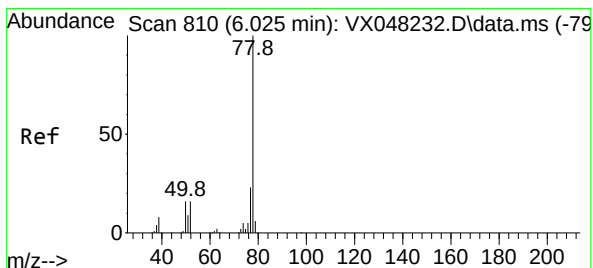
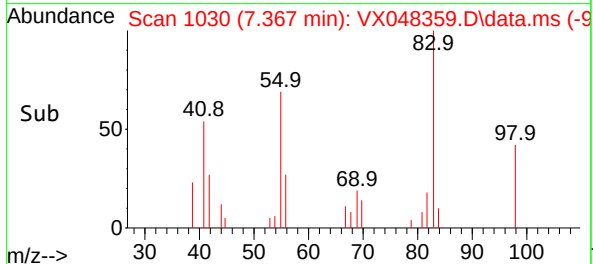
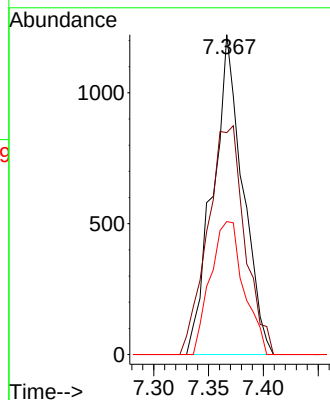
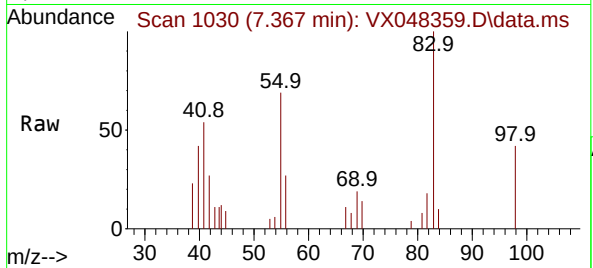




#39
Methylcyclohexane
Concen: 1.028 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

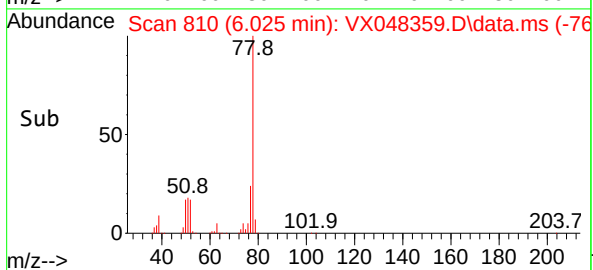
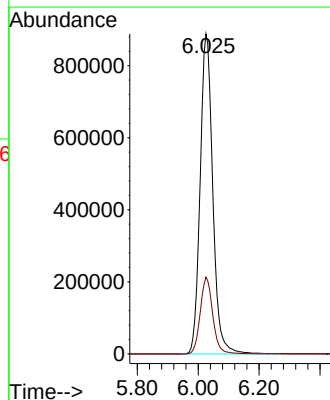
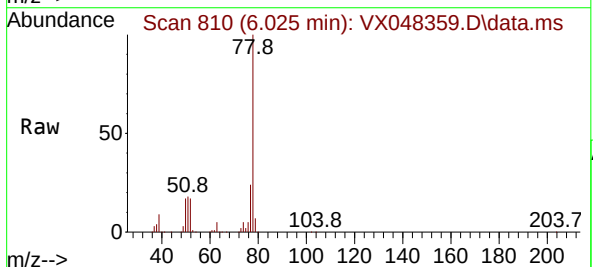
Instrument :
MSVOA_X
ClientSampleId :
SB-14

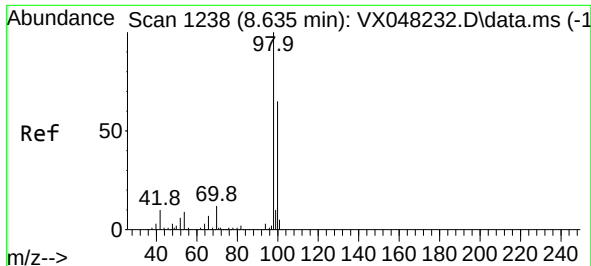
Tgt Ion: 83 Resp: 2317
Ion Ratio Lower Upper
83 100
55 69.4 66.2 99.2
98 41.6 38.9 58.3



#40
Benzene
Concen: 460.791 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

Tgt Ion: 78 Resp: 2552797
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

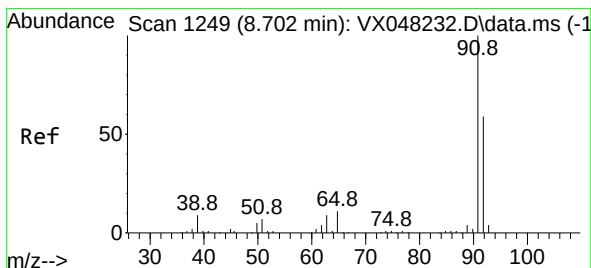
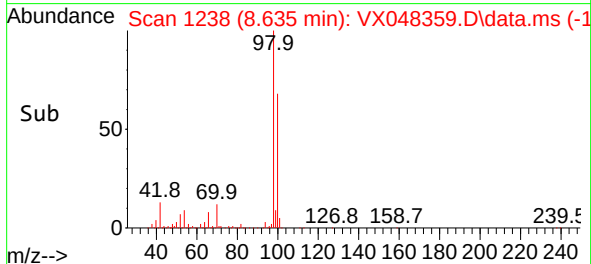
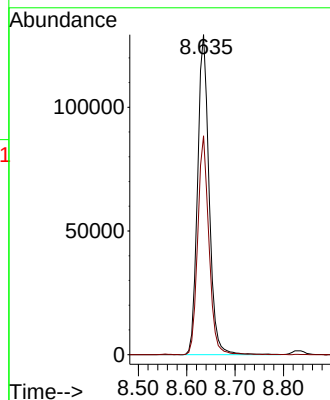
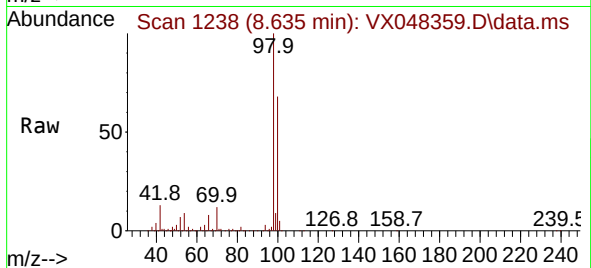




#50
Toluene-d8
Concen: 45.241 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

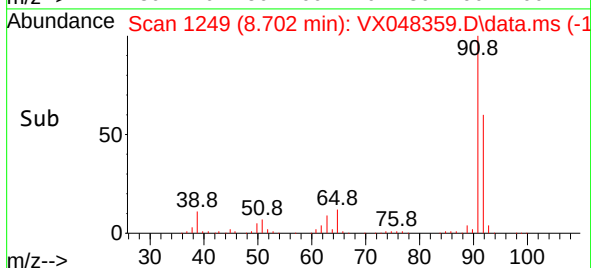
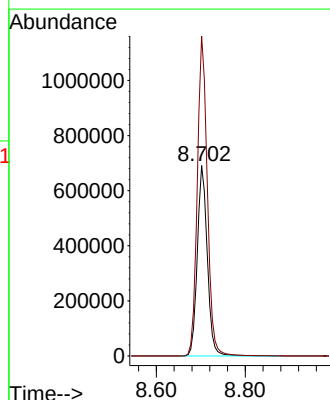
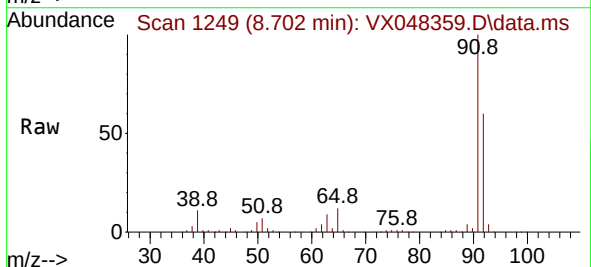
Instrument :
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ClientSampleId :
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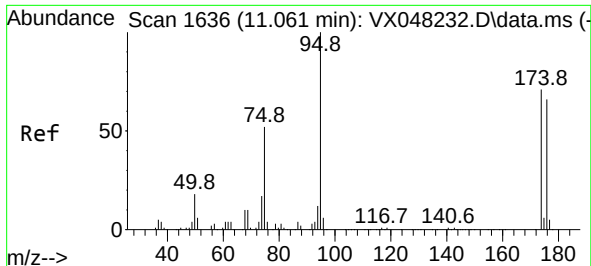
Tgt Ion: 98 Resp: 212889
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#52
Toluene
Concen: 306.058 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

Tgt Ion: 92 Resp: 1077170
Ion Ratio Lower Upper
92 100
91 168.9 136.1 204.1

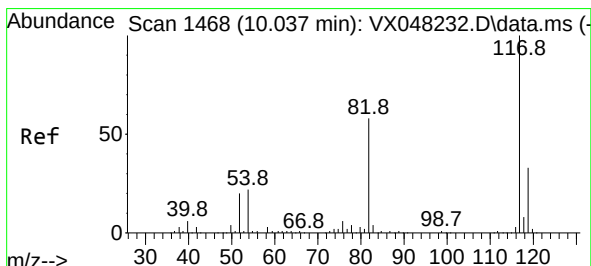
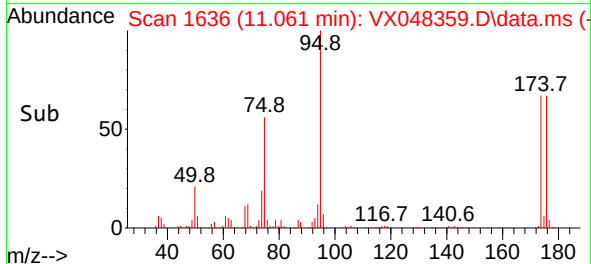
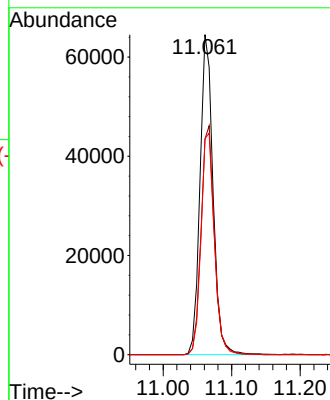
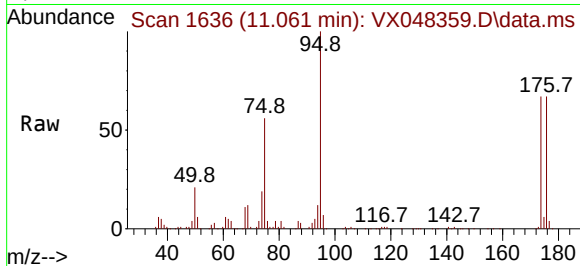




#62
4-Bromofluorobenzene
Concen: 47.734 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

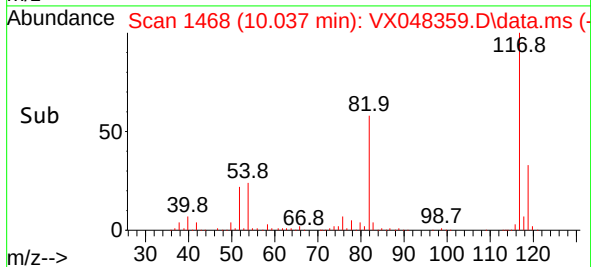
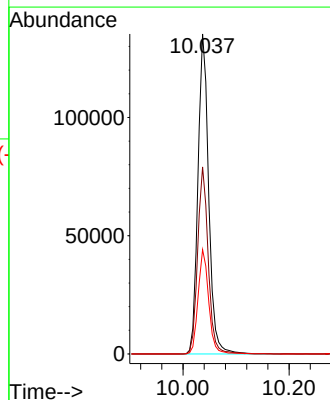
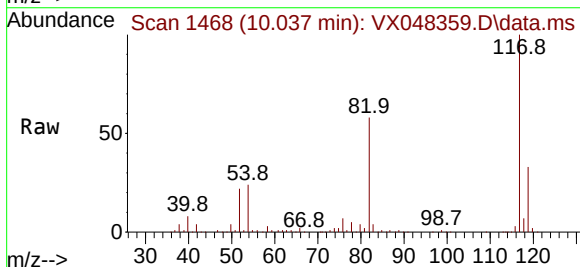
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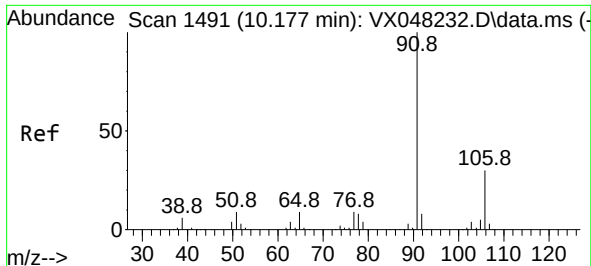
Tgt Ion: 95 Resp: 85452
Ion Ratio Lower Upper
95 100
174 72.8 0.0 147.8
176 71.0 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

Tgt Ion: 117 Resp: 189699
Ion Ratio Lower Upper
117 100
82 58.5 46.5 69.7
119 32.6 25.9 38.9

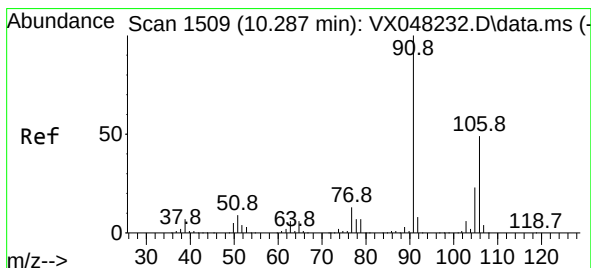
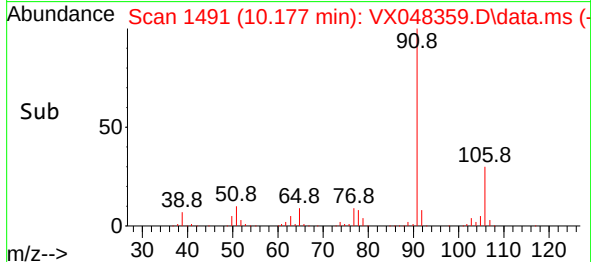
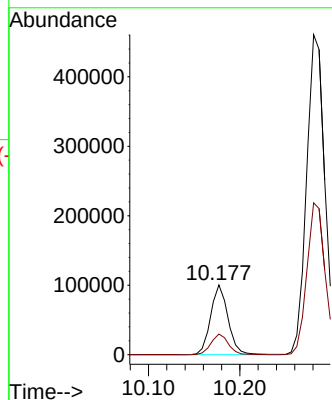
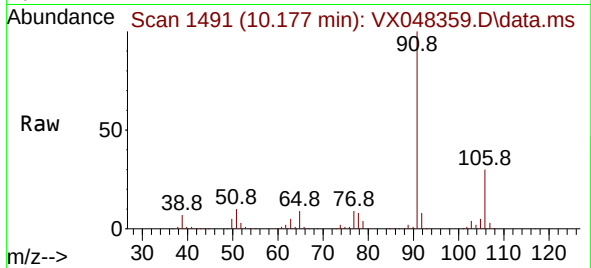




#67
Ethyl Benzene
Concen: 18.239 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

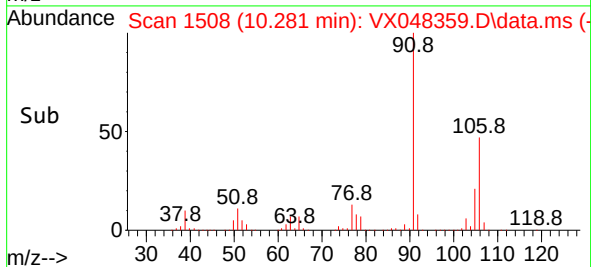
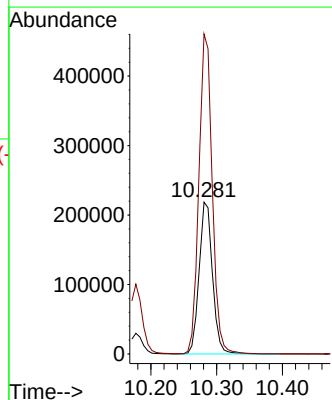
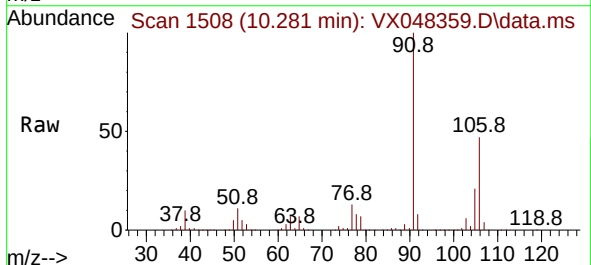
Instrument :
MSVOA_X
ClientSampleId :
SB-14

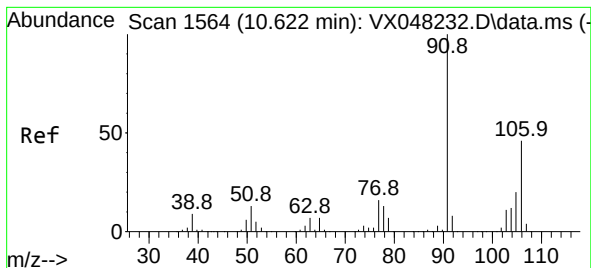
Tgt Ion: 91 Resp: 132511
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6



#68
m/p-Xylenes
Concen: 113.840 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

Tgt Ion:106 Resp: 307306
Ion Ratio Lower Upper
106 100
91 210.5 167.9 251.9

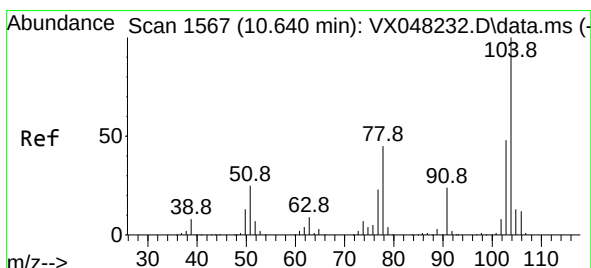
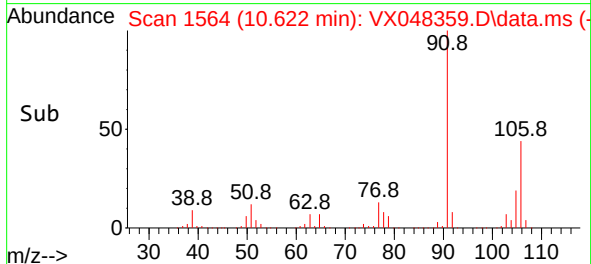
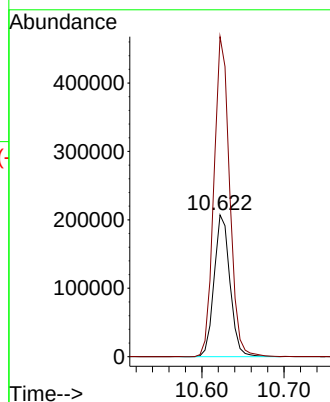
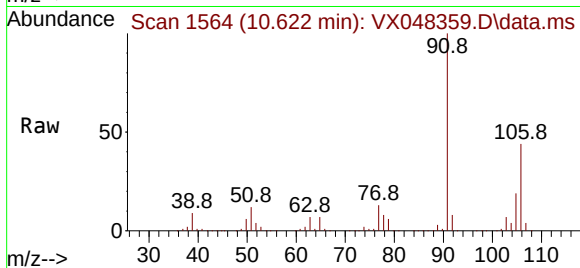




#69
o-Xylene
Concen: 106.737 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

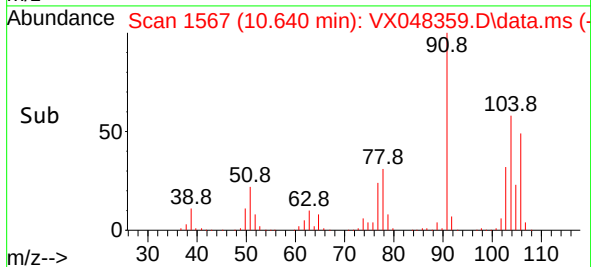
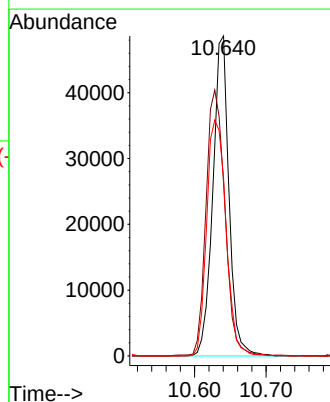
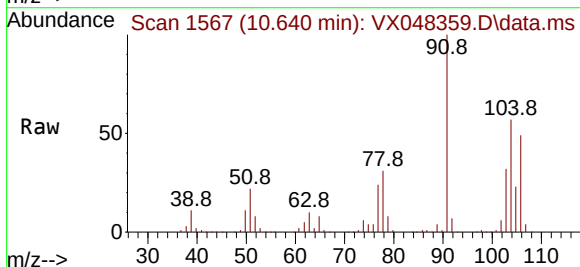
Instrument :
MSVOA_X
ClientSampleId :
SB-14

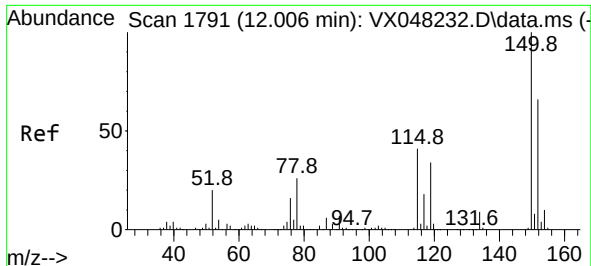
Tgt Ion:106 Resp: 278173
Ion Ratio Lower Upper
106 100
91 223.6 111.3 333.9



#70
Styrene
Concen: 17.167 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

Tgt Ion:104 Resp: 76181
Ion Ratio Lower Upper
104 100
78 97.2 42.2 63.4#
103 88.3 43.0 64.4#

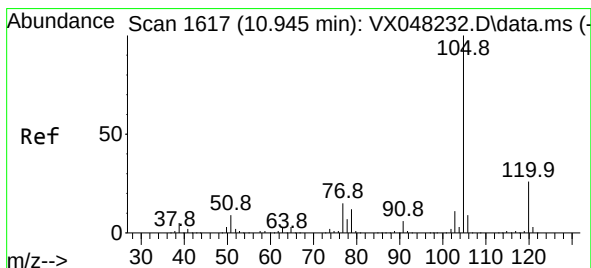
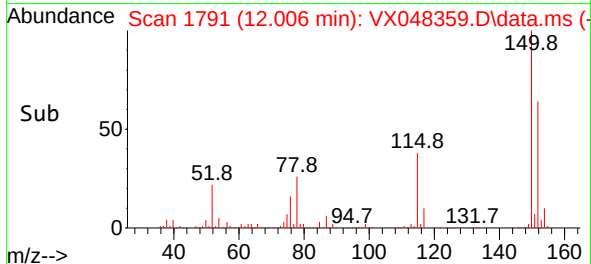
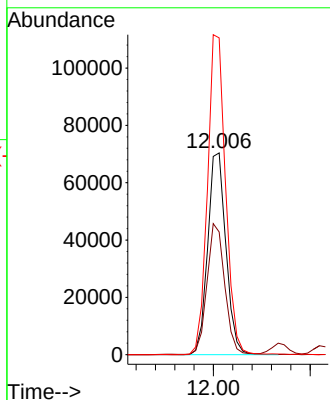
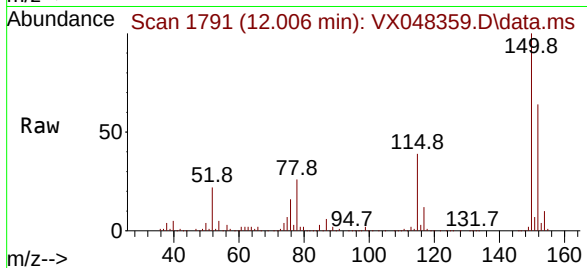




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

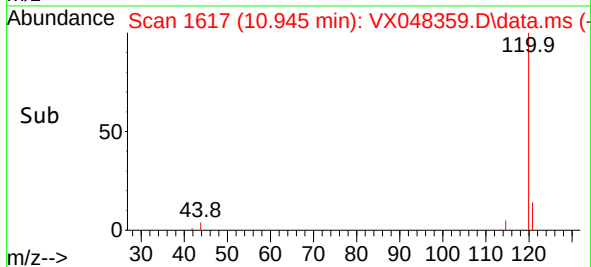
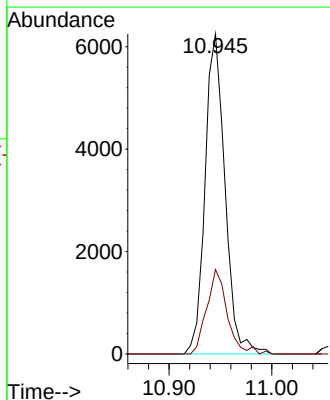
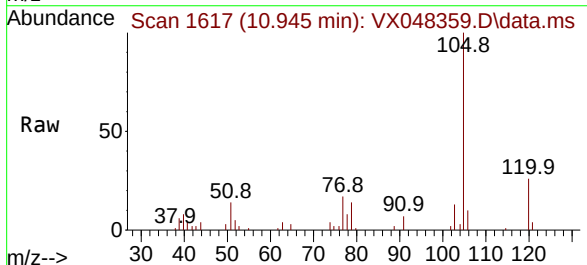
Instrument :
MSVOA_X
ClientSampleId :
SB-14

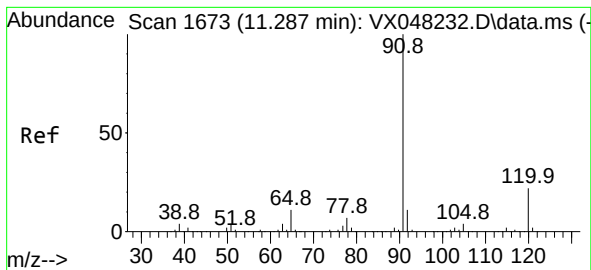
Tgt Ion:152 Resp: 92287
Ion Ratio Lower Upper
152 100
115 63.0 43.1 129.4
150 157.5 0.0 353.0



#73
Isopropylbenzene
Concen: 1.249 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

Tgt Ion:105 Resp: 8416
Ion Ratio Lower Upper
105 100
120 27.2 13.0 38.9





#78

n-propylbenzene

Concen: 2.363 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. -0.000 min

Lab File: VX048359.D

Acq: 27 Oct 2025 10:54

Instrument :

MSVOA_X

ClientSampleId :

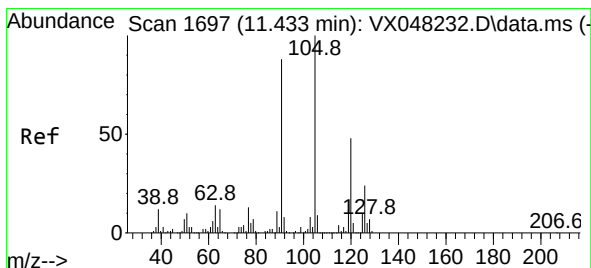
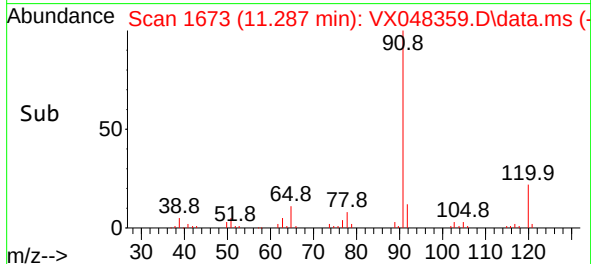
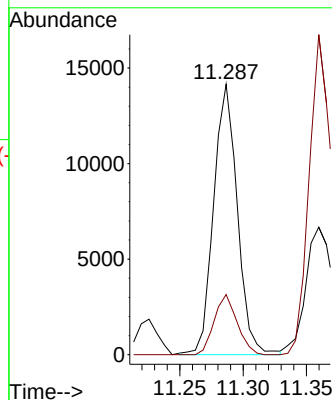
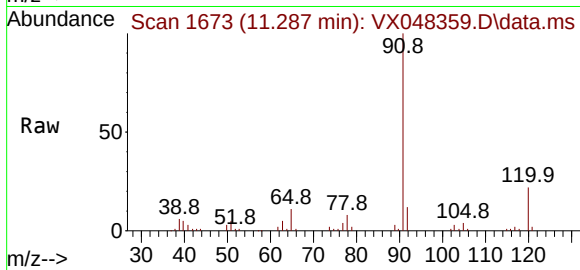
SB-14

Tgt Ion: 91 Resp: 18443

Ion Ratio Lower Upper

91 100

120 21.4 11.1 33.1



#80

1,3,5-Trimethylbenzene

Concen: 15.147 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX048359.D

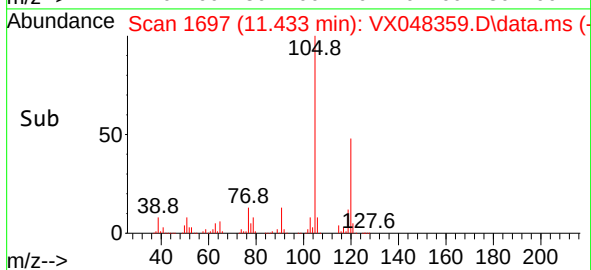
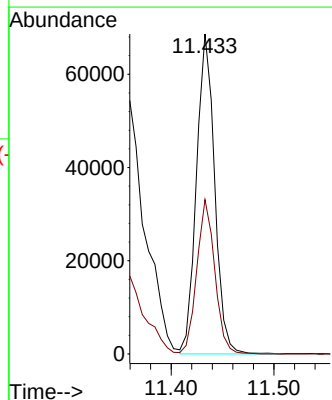
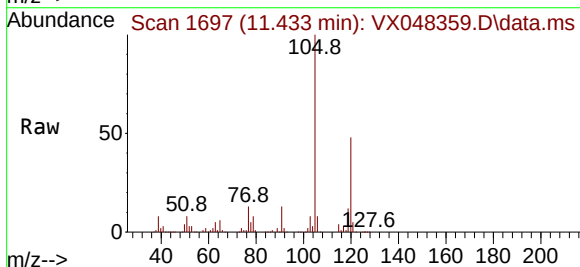
Acq: 27 Oct 2025 10:54

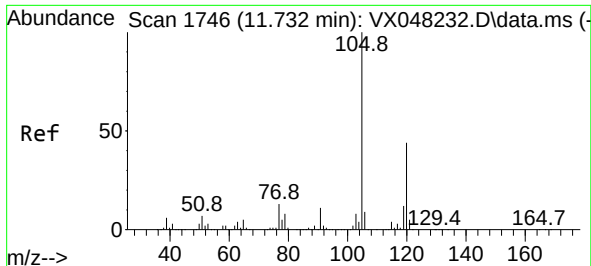
Tgt Ion:105 Resp: 84493

Ion Ratio Lower Upper

105 100

120 47.8 24.0 72.0

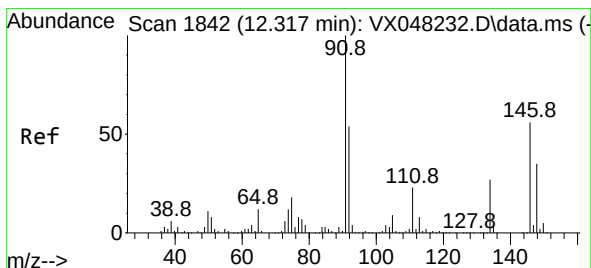
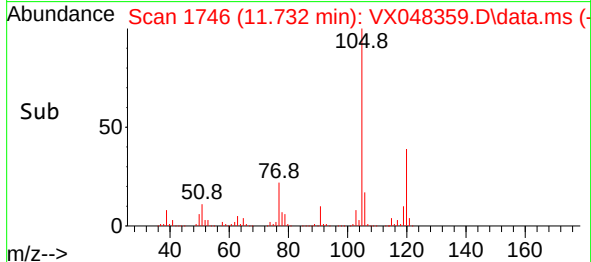
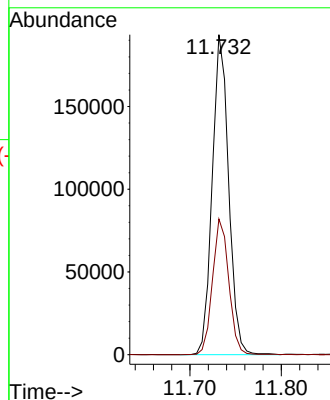
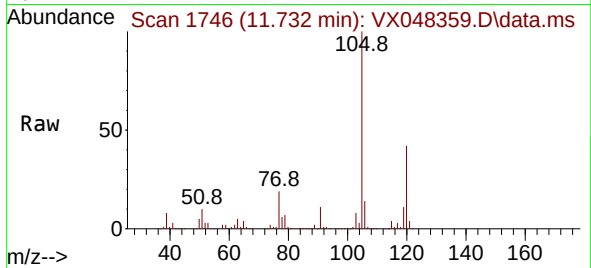




#84
1,2,4-Trimethylbenzene
Concen: 43.177 ug/l
RT: 11.732 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

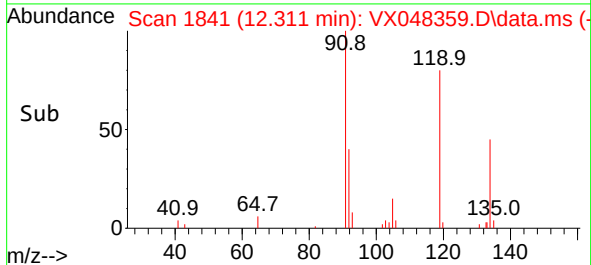
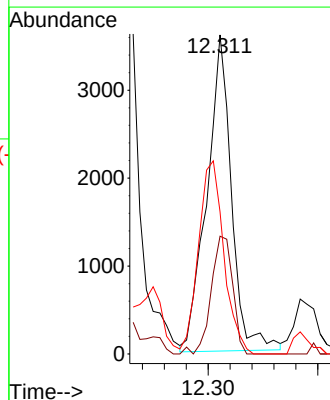
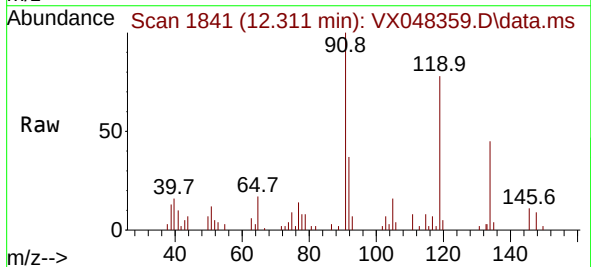
Instrument :
MSVOA_X
ClientSampleId :
SB-14

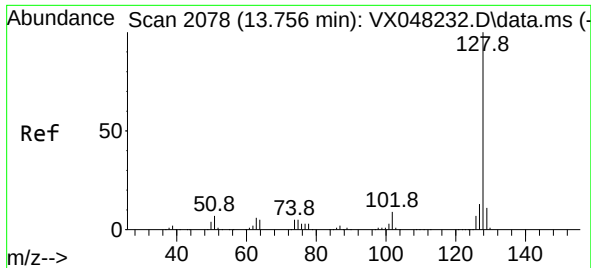
Tgt Ion:105 Resp: 240368
Ion Ratio Lower Upper
105 100
120 42.2 22.1 66.5



#89
n-Butylbenzene
Concen: 1.032 ug/l
RT: 12.311 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

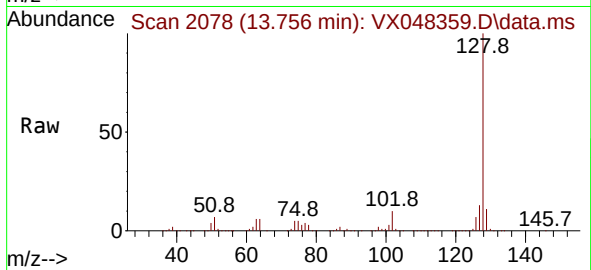
Tgt Ion: 91 Resp: 5601
Ion Ratio Lower Upper
91 100
92 32.4 26.9 80.6
134 63.0 12.7 38.1#





#95
Naphthalene
Concen: 248.897 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048359.D
Acq: 27 Oct 2025 10:54

Instrument :
MSVOA_X
ClientSampleId :
SB-14



Tgt Ion:128 Resp: 1334044
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.0 8.6 12.8

