

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
 Data File : VX047712.D
 Acq On : 22 Sep 2025 17:56
 Operator : JC/MD
 Sample : Q3136-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34926

Quant Time: Sep 23 01:40:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

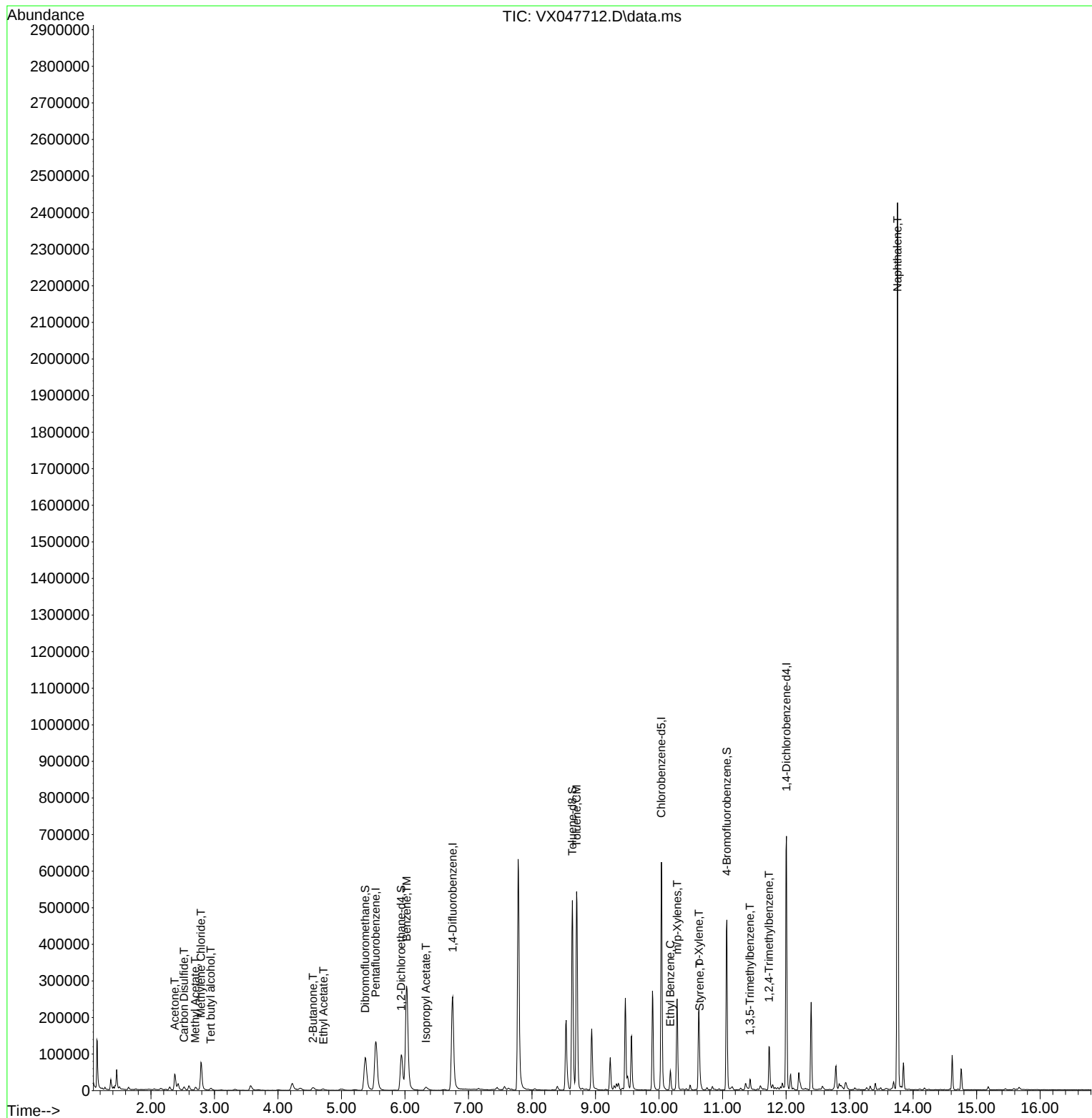
Internal Standards						
1) Pentafluorobenzene	5.538	168	135136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	280682	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	277910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105751	49.163	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.320%
35) Dibromofluoromethane	5.373	113	86999	46.217	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.440%
50) Toluene-d8	8.635	98	308774	47.405	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.820%
62) 4-Bromofluorobenzene	11.067	95	134297	54.327	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.660%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	6942	28.977	ug/l	97
16) Acetone	2.374	43	55411	59.246	ug/l	100
17) Carbon Disulfide	2.520	76	5559	1.265	ug/l	98
18) Methyl Acetate	2.697	43	12894	6.195	ug/l	98
20) Methylene Chloride	2.788	84	37318	18.850	ug/l	97
25) 2-Butanone	4.550	43	15146	12.983	ug/l	94
37) Ethyl Acetate	4.715	43	8344	2.833	ug/l #	95
40) Benzene	6.025	78	370860	44.391	ug/l	97
43) Isopropyl Acetate	6.330	43	11984	2.481	ug/l #	94
52) Toluene	8.702	92	212806	41.345	ug/l	99
67) Ethyl Benzene	10.177	91	31008	2.846	ug/l	99
68) m/p-Xylenes	10.287	106	59519	14.679	ug/l	99
69) o-Xylene	10.628	106	41156	10.494	ug/l	100
70) Styrene	10.640	104	17970	2.615	ug/l #	69
80) 1,3,5-Trimethylbenzene	11.433	105	12277	1.400	ug/l	94
84) 1,2,4-Trimethylbenzene	11.732	105	45891	5.164	ug/l	71
95) Naphthalene	13.756	128	1418349	154.119	ug/l	100

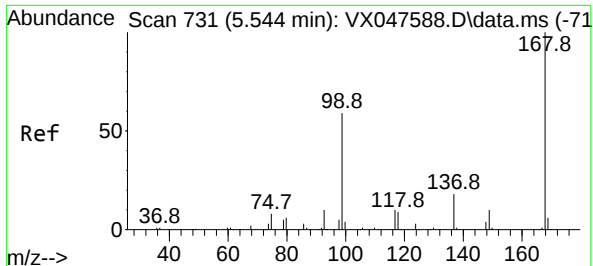
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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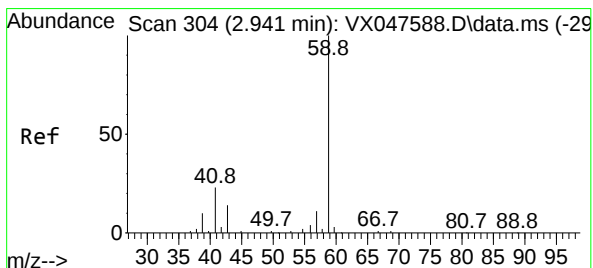
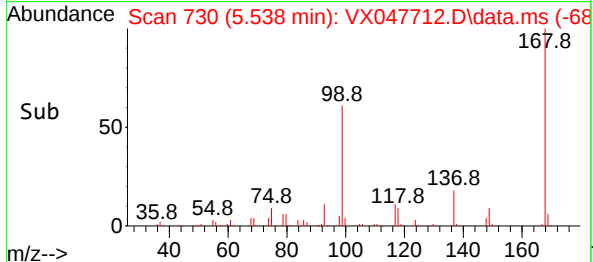
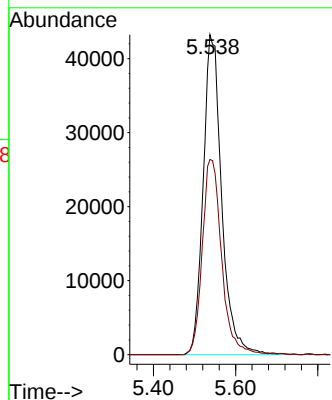
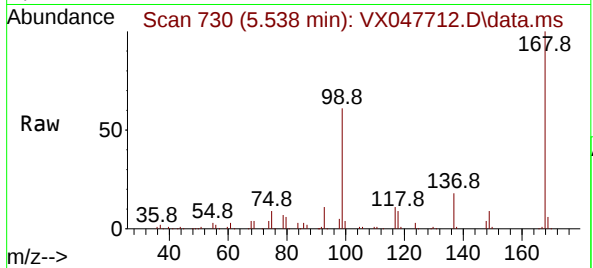




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

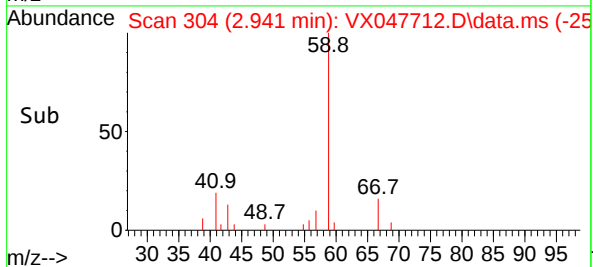
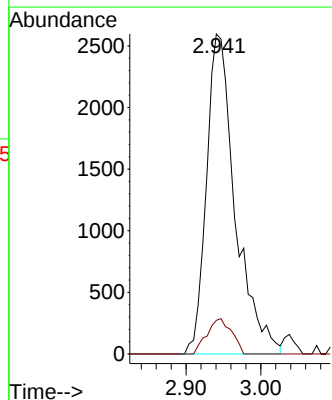
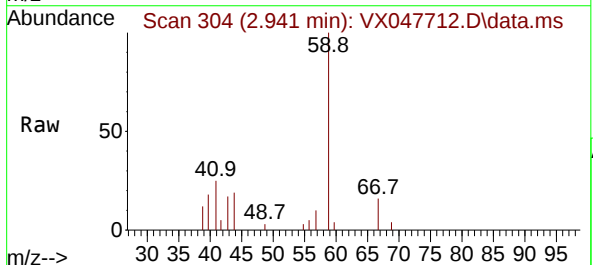
Instrument :
MSVOA_X
ClientSampleId :
34926

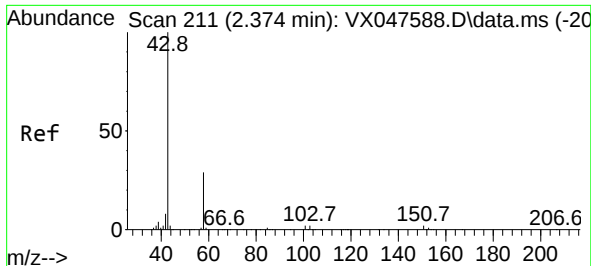
Tgt Ion:168 Resp: 135136
Ion Ratio Lower Upper
168 100
99 61.0 48.8 73.2



#11
Tert butyl alcohol
Concen: 28.977 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

Tgt Ion: 59 Resp: 6942
Ion Ratio Lower Upper
59 100
57 9.4 8.3 12.5

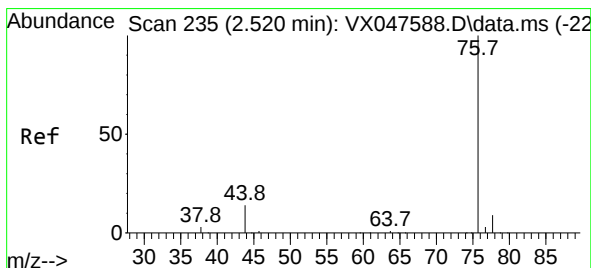
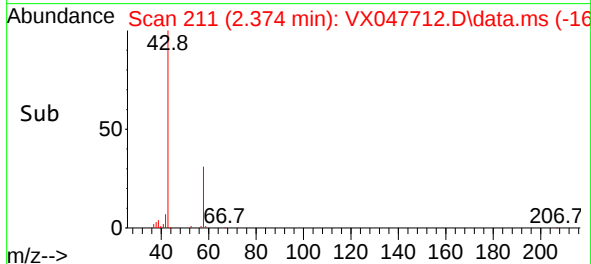
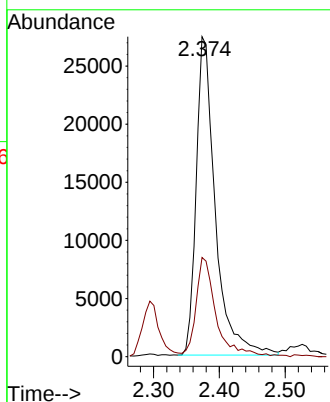
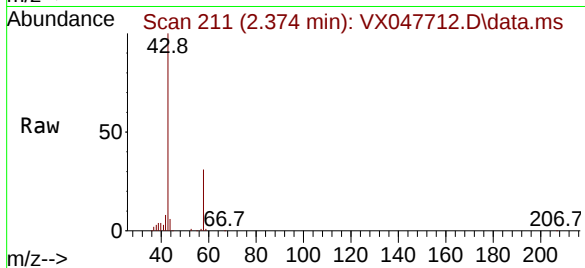




#16
Acetone
Concen: 59.246 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

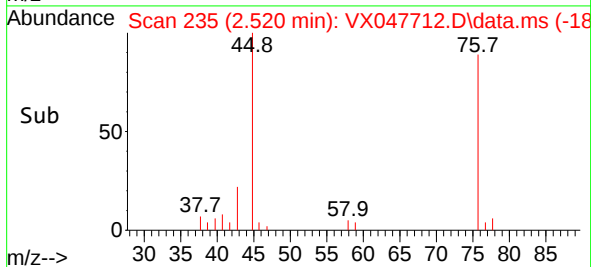
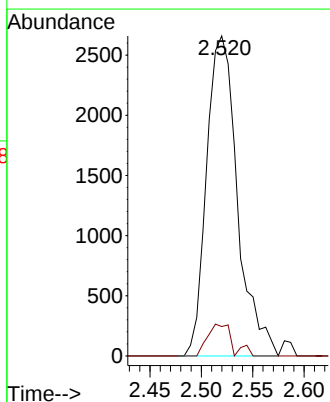
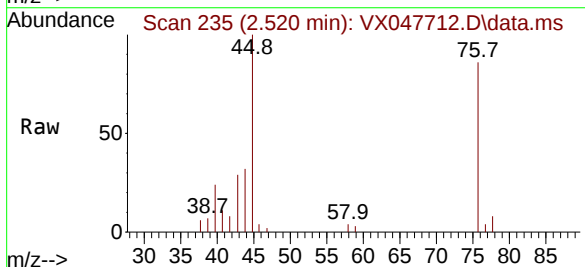
Instrument :
MSVOA_X
ClientSampleId :
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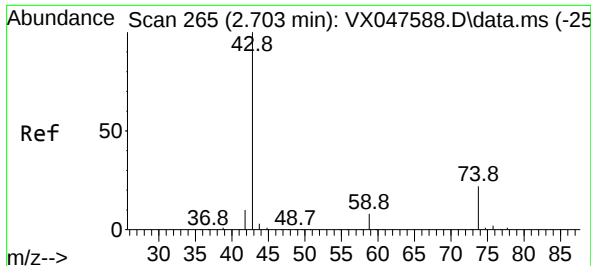
Tgt Ion: 43 Resp: 55411
Ion Ratio Lower Upper
43 100
58 29.3 23.4 35.0



#17
Carbon Disulfide
Concen: 1.265 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

Tgt Ion: 76 Resp: 5559
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2

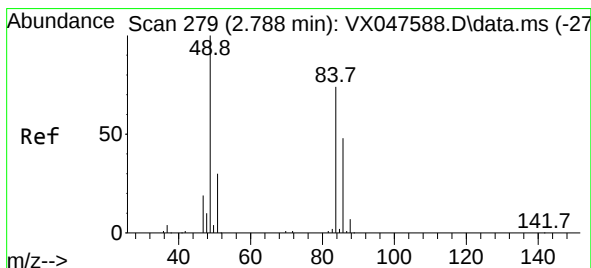
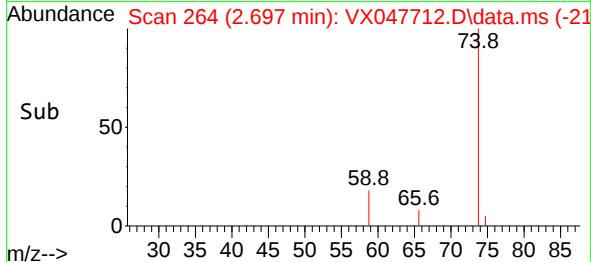
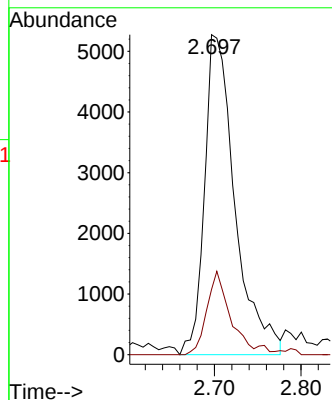
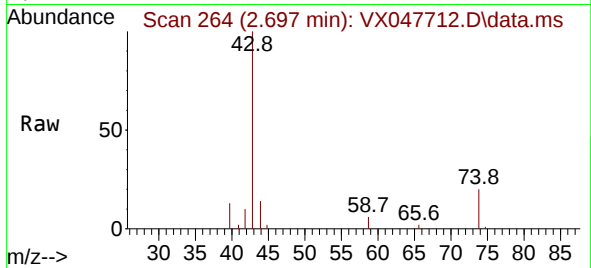




#18
Methyl Acetate
Concen: 6.195 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

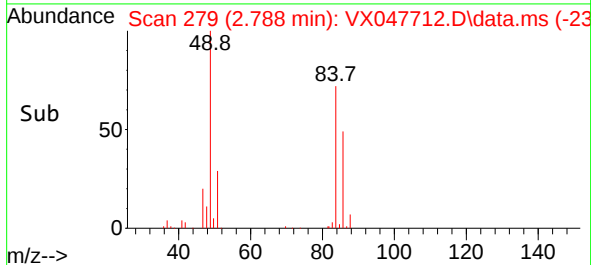
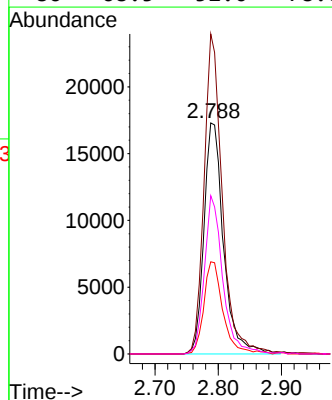
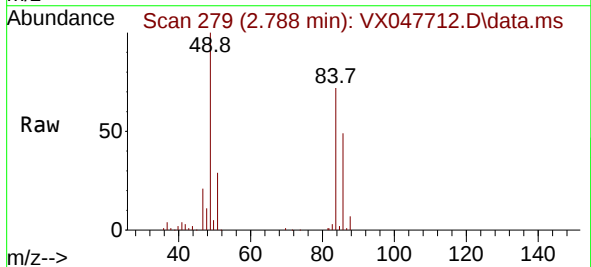
Instrument :
MSVOA_X
ClientSampleId :
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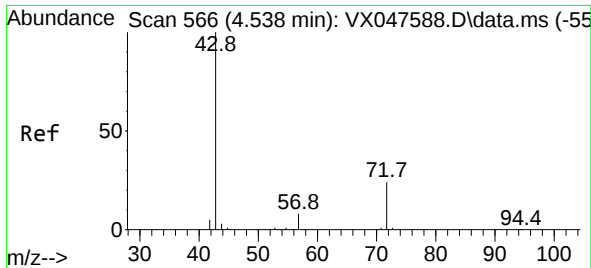
Tgt Ion: 43 Resp: 12894
Ion Ratio Lower Upper
43 100
74 20.9 17.4 26.2



#20
Methylene Chloride
Concen: 18.850 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

Tgt Ion: 84 Resp: 37318
Ion Ratio Lower Upper
84 100
49 138.5 108.6 162.8
51 39.9 32.6 48.8
86 68.5 52.0 78.0

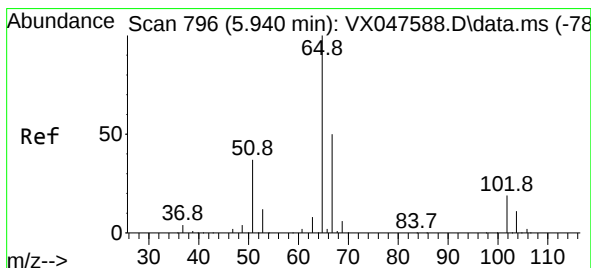
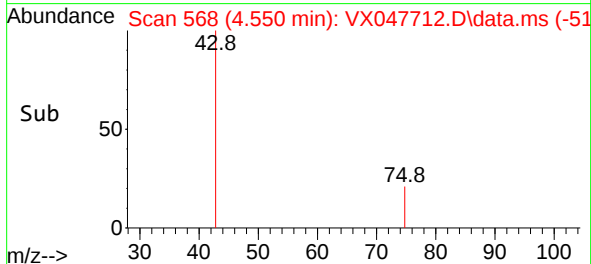
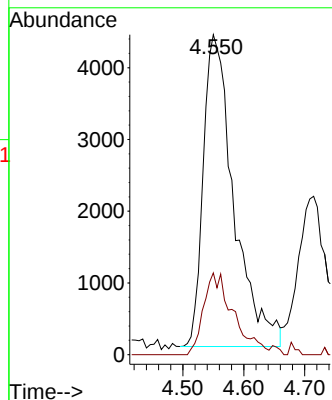
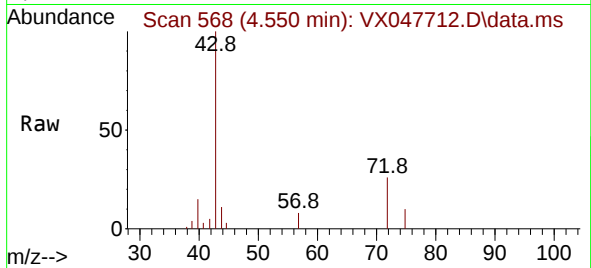




#25
2-Butanone
Concen: 12.983 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

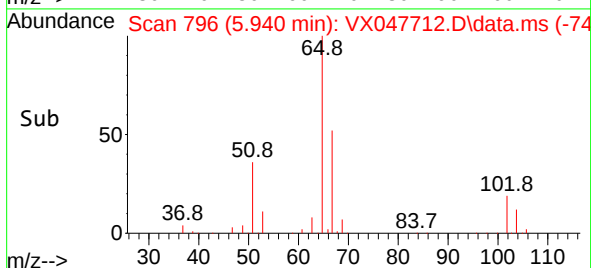
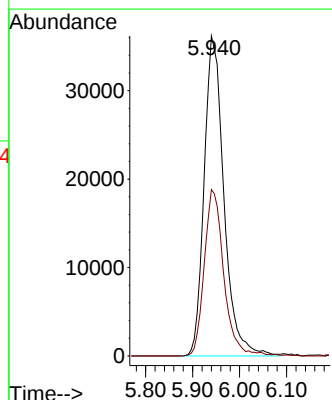
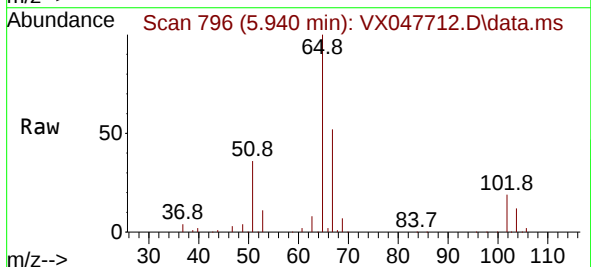
Instrument :
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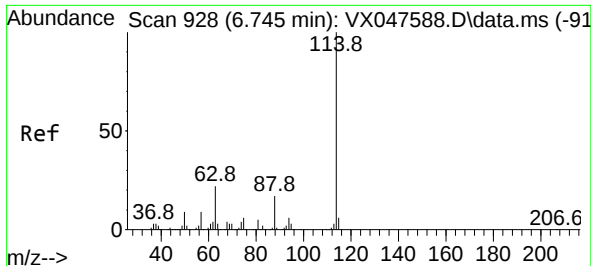
Tgt Ion: 43 Resp: 15146
Ion Ratio Lower Upper
43 100
72 27.9 20.1 30.1



#33
1,2-Dichloroethane-d4
Concen: 49.163 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

Tgt Ion: 65 Resp: 105751
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0

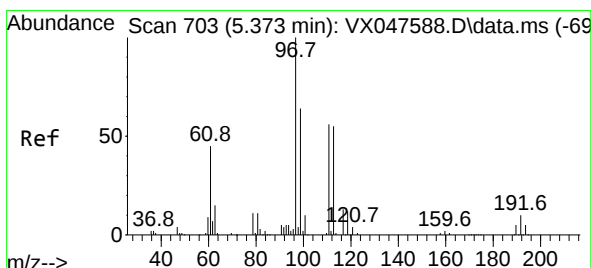
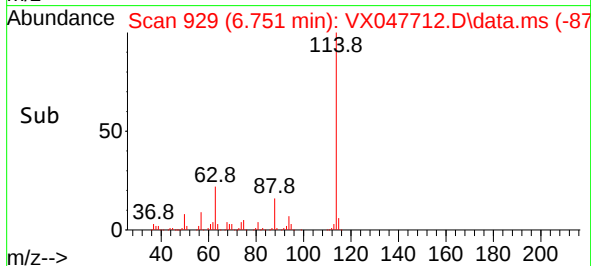
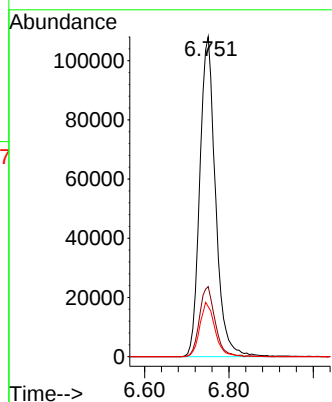
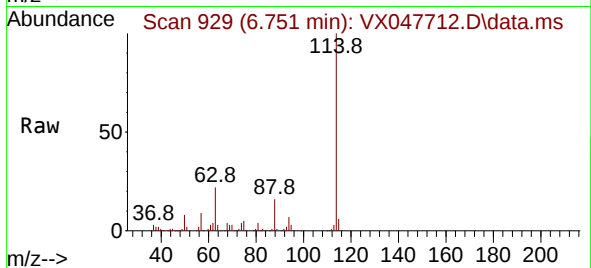




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

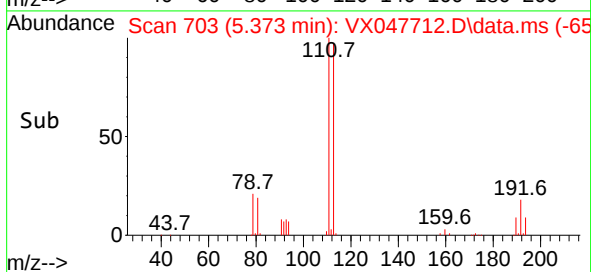
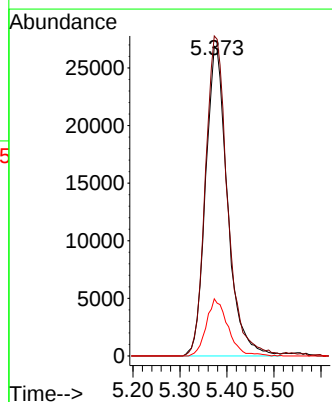
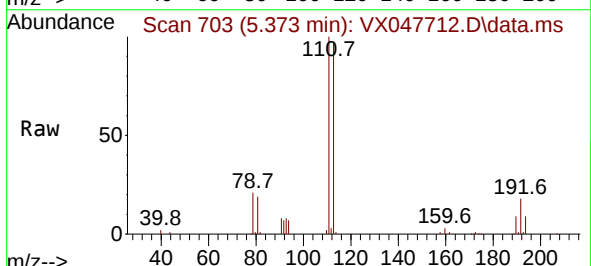
Instrument :
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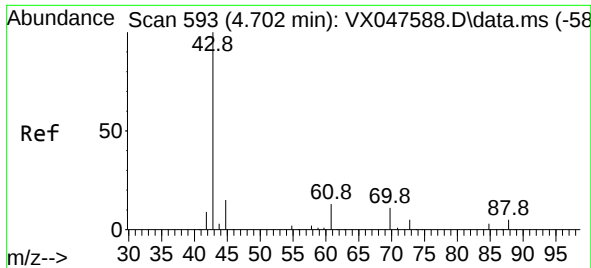
Tgt Ion:114 Resp: 280682
Ion Ratio Lower Upper
114 100
63 21.9 0.0 44.0
88 15.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 46.217 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

Tgt Ion:113 Resp: 86999
Ion Ratio Lower Upper
113 100
111 104.2 80.9 121.3
192 18.2 14.2 21.4

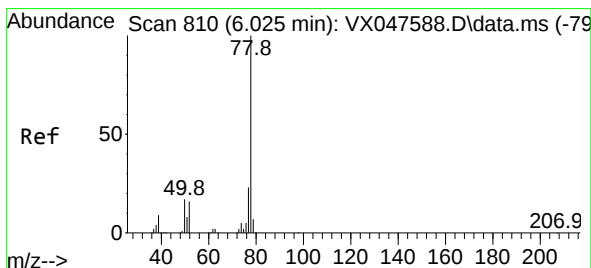
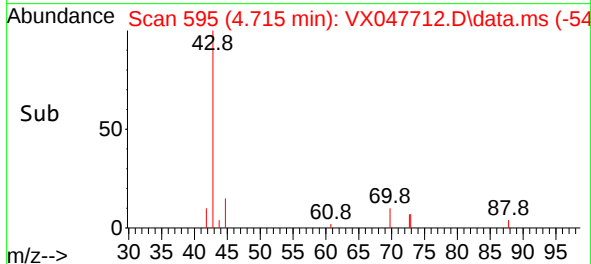
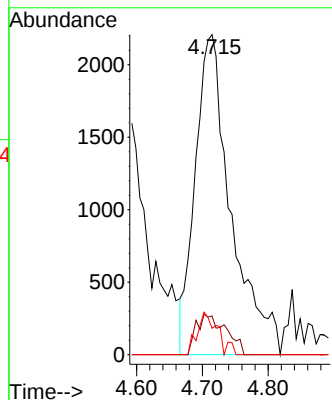
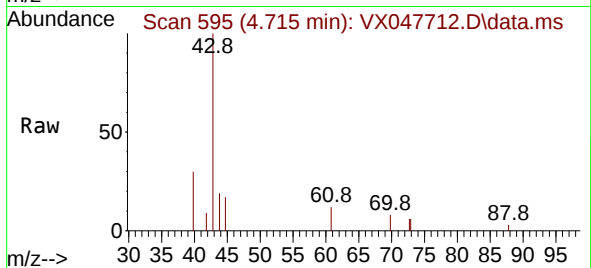




#37
Ethyl Acetate
Concen: 2.833 ug/l
RT: 4.715 min Scan# 593
Delta R.T. 0.012 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

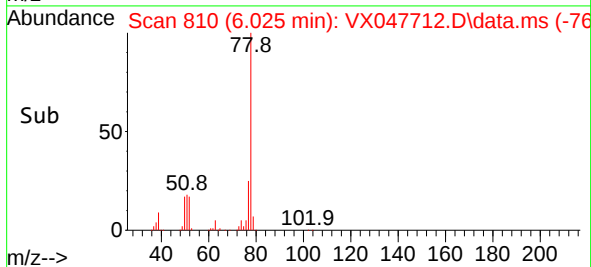
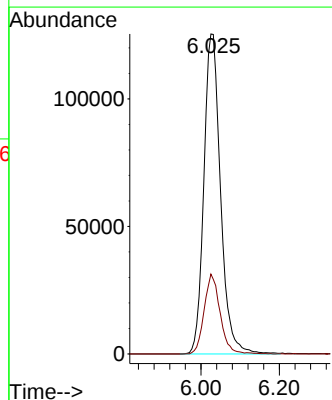
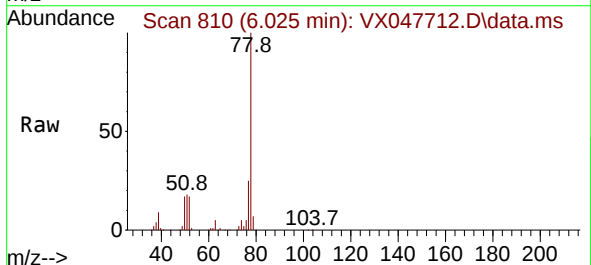
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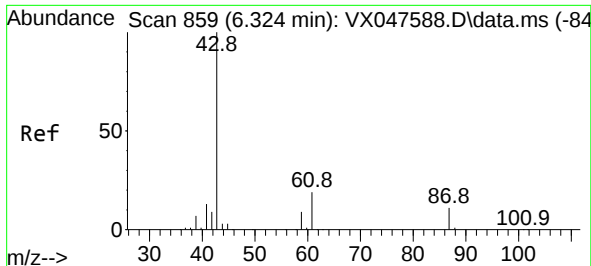
Tgt Ion: 43 Resp: 8344
Ion Ratio Lower Upper
43 100
61 10.5 9.8 14.8
70 7.6 7.9 11.9#



#40
Benzene
Concen: 44.391 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

Tgt Ion: 78 Resp: 370860
Ion Ratio Lower Upper
78 100
77 25.0 18.8 28.2

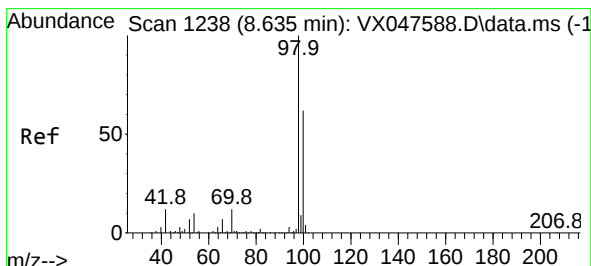
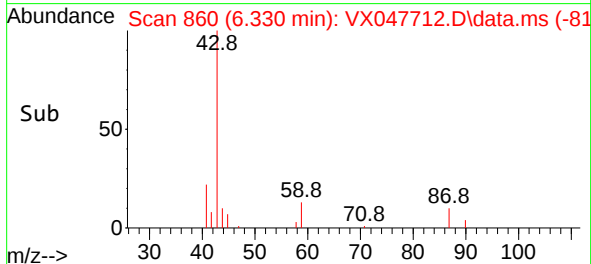
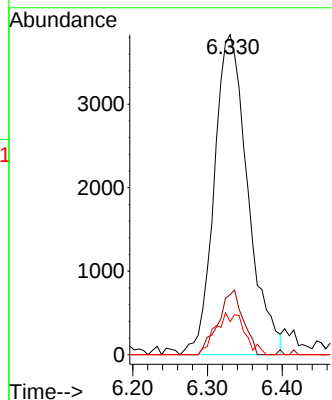
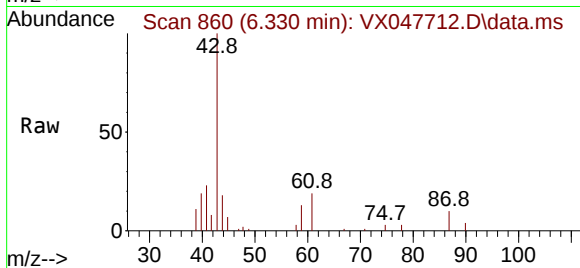




#43
Isopropyl Acetate
Concen: 2.481 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

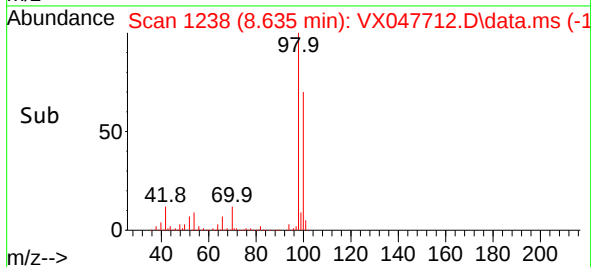
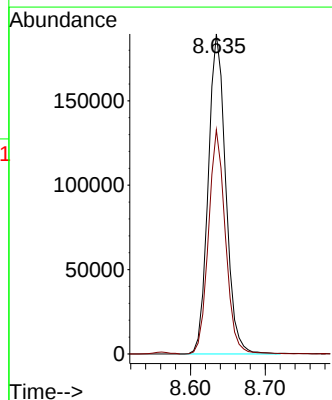
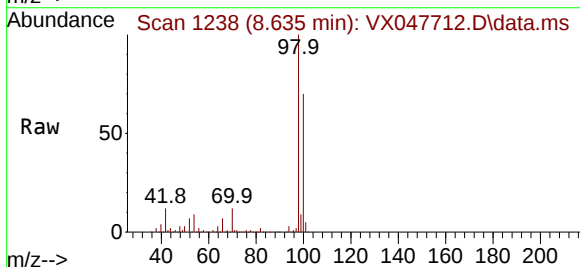
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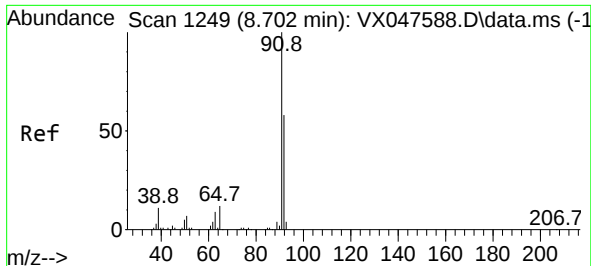
Tgt Ion: 43 Resp: 11984
Ion Ratio Lower Upper
43 100
61 14.9 15.2 22.8#
87 11.3 9.6 14.4



#50
Toluene-d8
Concen: 47.405 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

Tgt Ion: 98 Resp: 308774
Ion Ratio Lower Upper
98 100
100 67.6 53.0 79.4

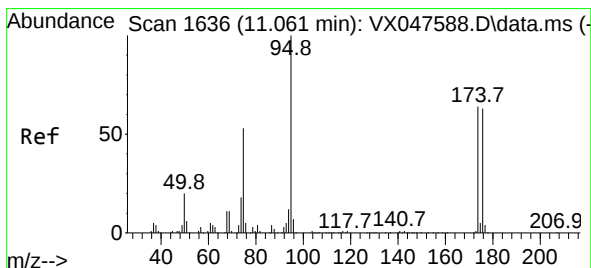
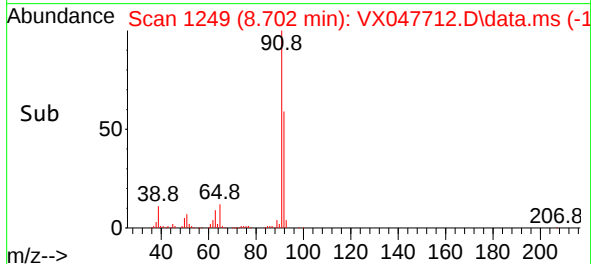
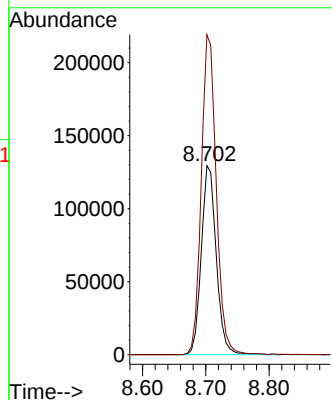
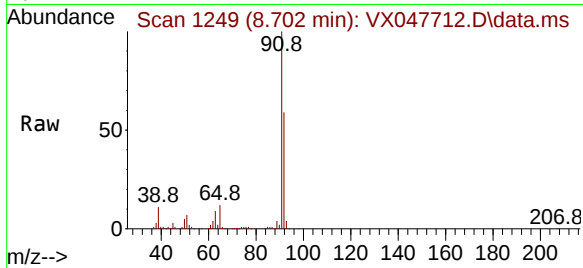




#52
Toluene
Concen: 41.345 ug/l
RT: 8.702 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

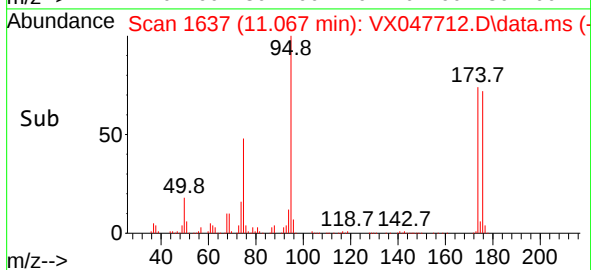
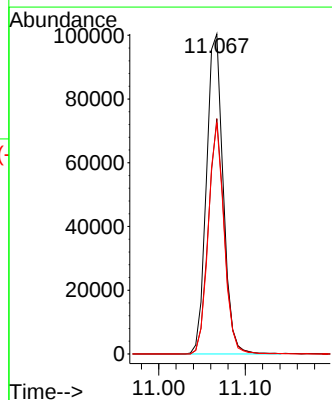
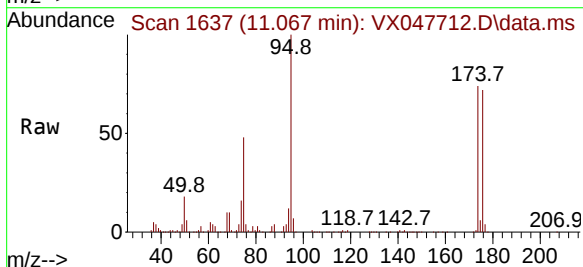
Instrument :
MSVOA_X
ClientSampleId :
34926

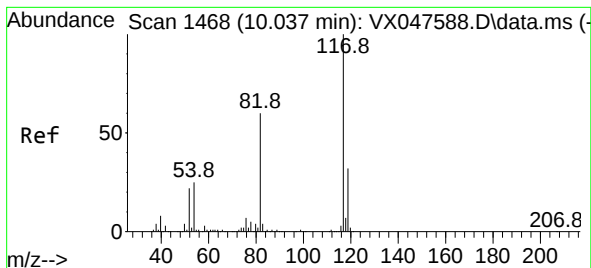
Tgt Ion: 92 Resp: 212806
Ion Ratio Lower Upper
92 100
91 169.8 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 54.327 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

Tgt Ion: 95 Resp: 134297
Ion Ratio Lower Upper
95 100
174 70.1 0.0 141.6
176 68.3 0.0 138.4

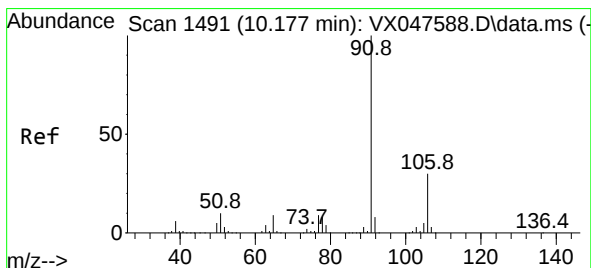
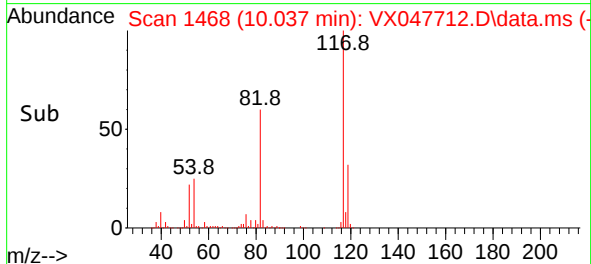
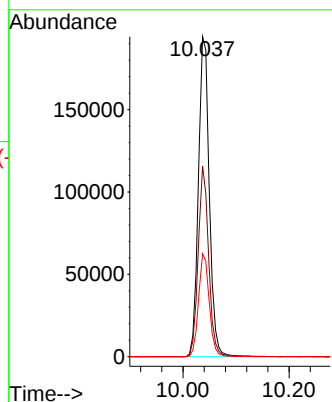
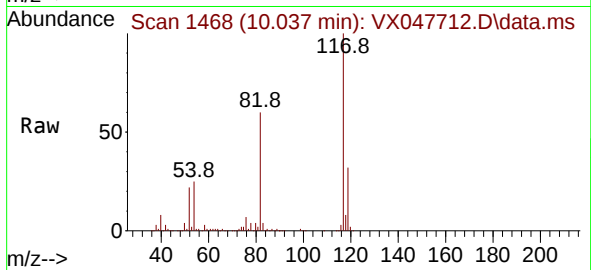




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

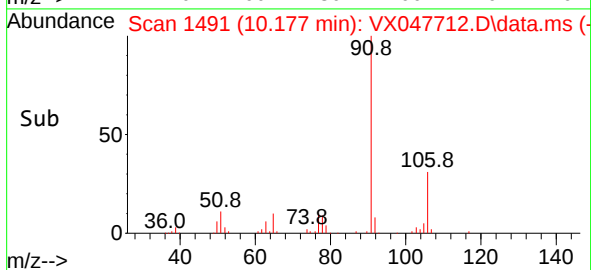
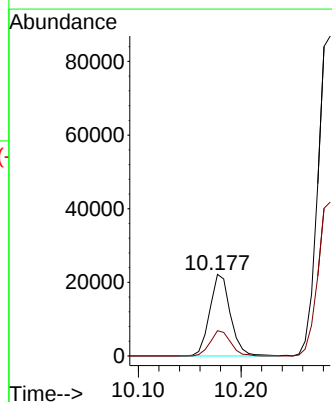
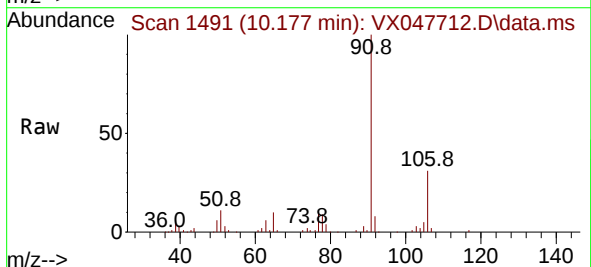
Instrument :
MSVOA_X
ClientSampleId :
34926

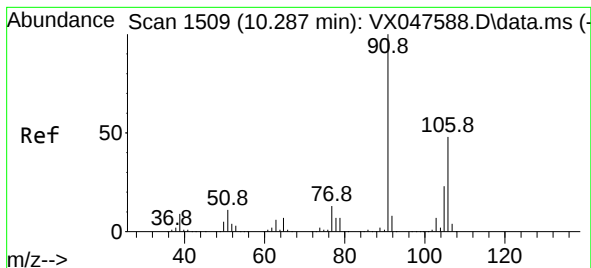
Tgt Ion:117 Resp: 277910
Ion Ratio Lower Upper
117 100
82 59.6 47.8 71.6
119 32.2 25.2 37.8



#67
Ethyl Benzene
Concen: 2.846 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

Tgt Ion: 91 Resp: 31008
Ion Ratio Lower Upper
91 100
106 31.1 24.3 36.5

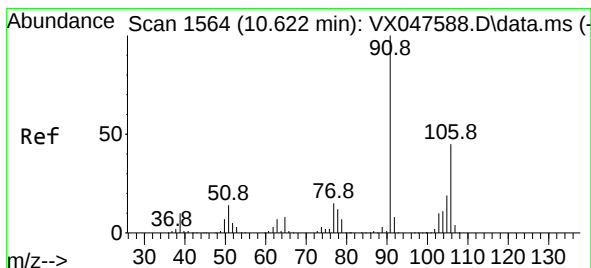
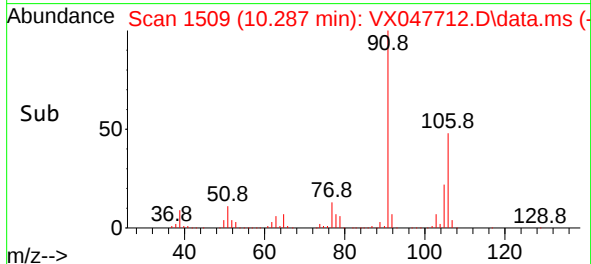
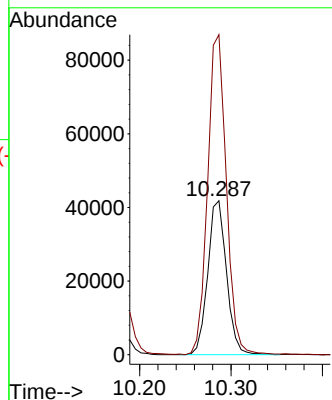
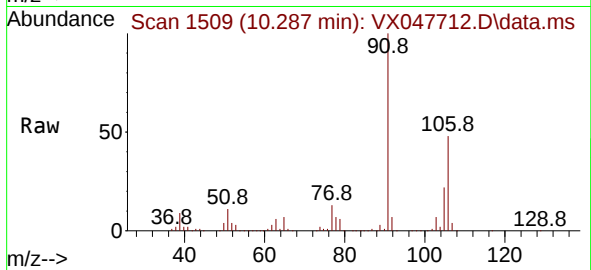




#68
m/p-Xylenes
Concen: 14.679 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

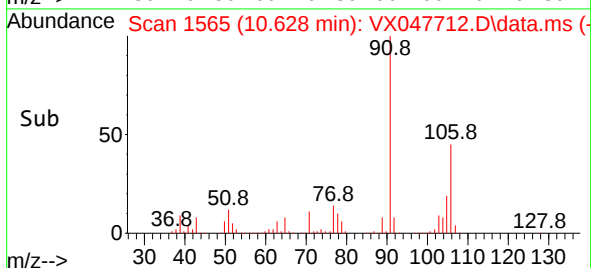
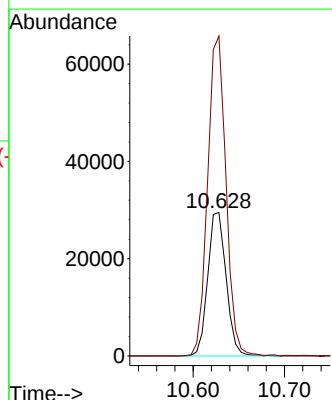
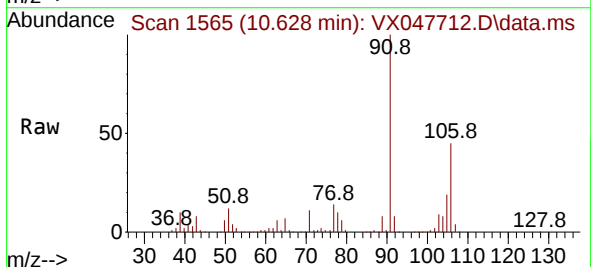
Instrument :
MSVOA_X
ClientSampleId :
34926

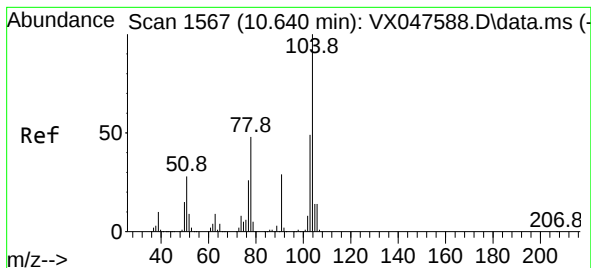
Tgt Ion:106 Resp: 59519
Ion Ratio Lower Upper
106 100
91 208.0 167.8 251.8



#69
o-Xylene
Concen: 10.494 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX047712.D
Acq: 22 Sep 2025 17:56

Tgt Ion:106 Resp: 41156
Ion Ratio Lower Upper
106 100
91 222.0 111.1 333.4





#70

Styrene

Concen: 2.615 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047712.D

Acq: 22 Sep 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

34926

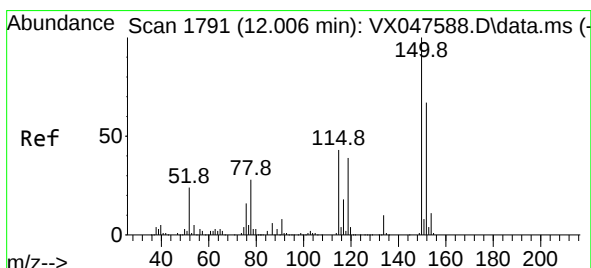
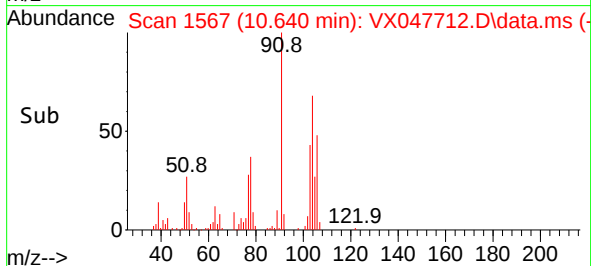
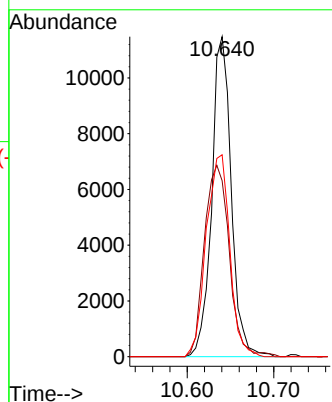
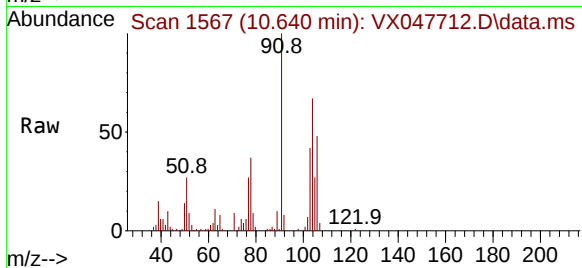
Tgt Ion:104 Resp: 17970

Ion Ratio Lower Upper

104 100

78 76.2 43.1 64.7#

103 76.0 43.1 64.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047712.D

Acq: 22 Sep 2025 17:56

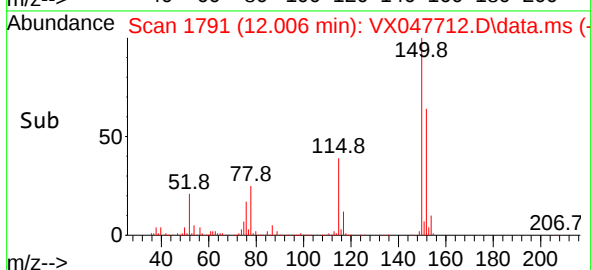
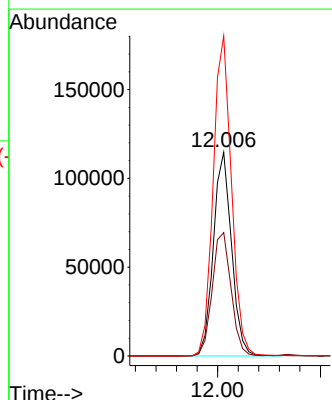
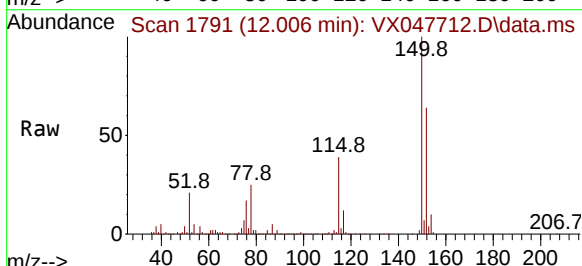
Tgt Ion:152 Resp: 140344

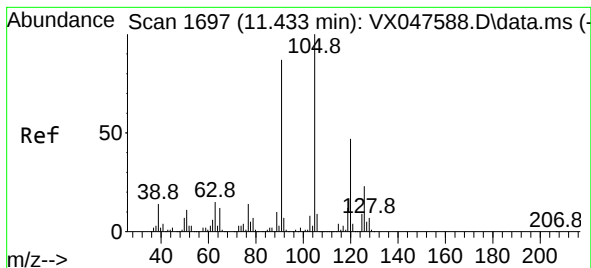
Ion Ratio Lower Upper

152 100

115 63.0 44.9 134.5

150 157.8 0.0 352.0





#80

1,3,5-Trimethylbenzene

Concen: 1.400 ug/l

RT: 11.433 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX047712.D

Acq: 22 Sep 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

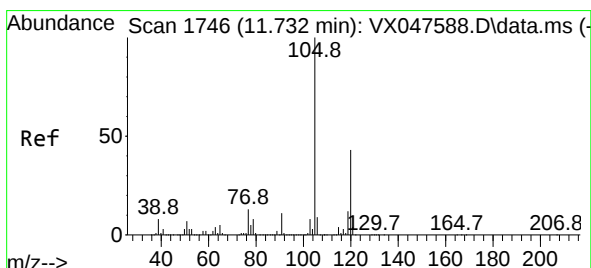
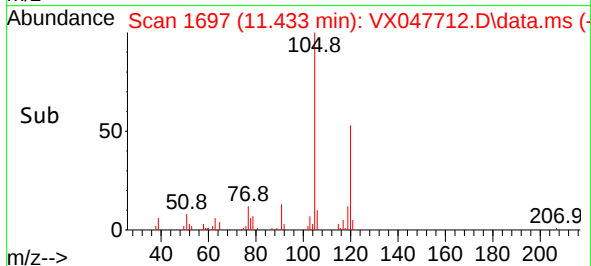
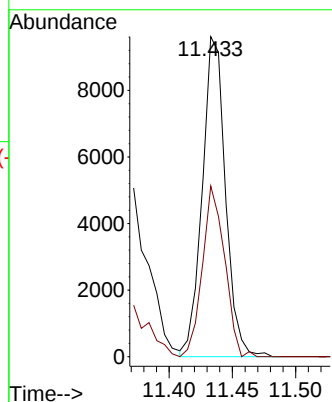
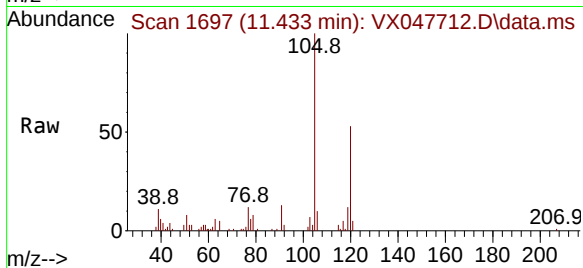
34926

Tgt Ion:105 Resp: 12277

Ion Ratio Lower Upper

105 100

120 51.1 23.6 70.8



#84

1,2,4-Trimethylbenzene

Concen: 5.164 ug/l

RT: 11.732 min Scan# 1746

Delta R.T. -0.000 min

Lab File: VX047712.D

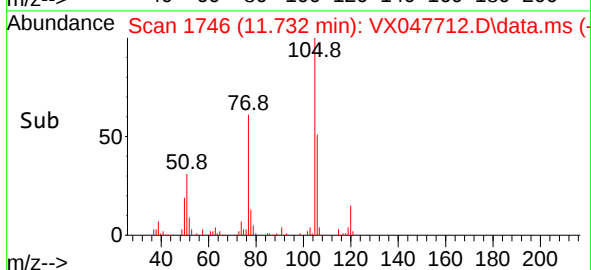
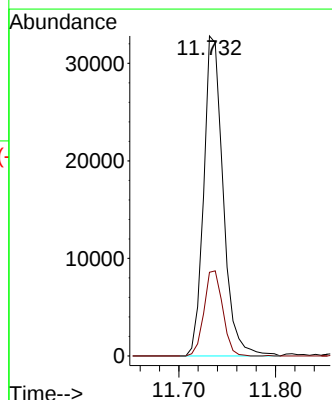
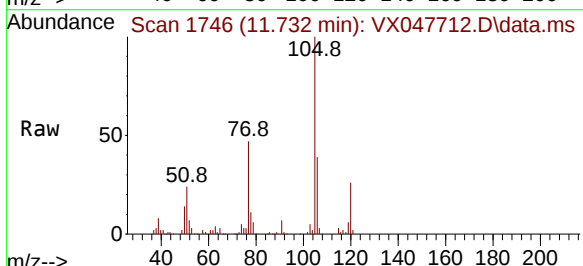
Acq: 22 Sep 2025 17:56

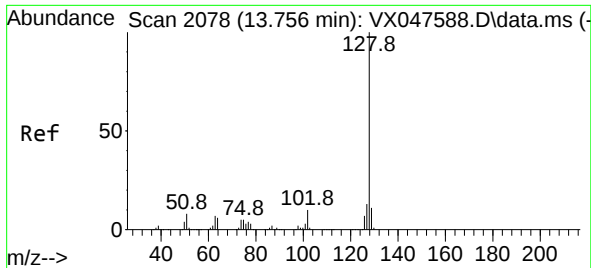
Tgt Ion:105 Resp: 45891

Ion Ratio Lower Upper

105 100

120 25.5 22.1 66.1





#95

Naphthalene

Concen: 154.119 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX047712.D

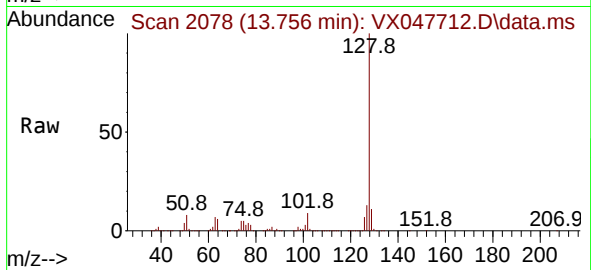
Acq: 22 Sep 2025 17:56

Instrument :

MSVOA_X

ClientSampleId :

34926



Tgt Ion:128 Resp: 1418349

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.0 8.8 13.2

