

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045116.D
 Acq On : 03 Mar 2025 16:35
 Operator : JC/MD
 Sample : Q1480-33
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-WATER-SAMPLE

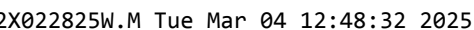
Quant Time: Mar 04 05:26:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

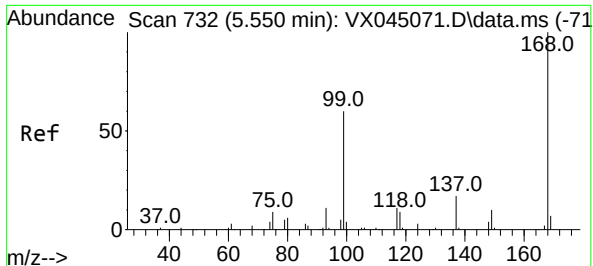
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.537	168	77486	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	151034	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	60440	49.037	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.080%
35) Dibromofluoromethane	5.379	113	50914	50.414	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.820%
50) Toluene-d8	8.641	98	187962	51.337	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.680%
62) 4-Bromofluorobenzene	11.079	95	69990	57.688	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	115.380%
Target Compounds						
					Qvalue	
16) Acetone	2.373	43	13808	24.146	ug/l	97
17) Carbon Disulfide	2.508	76	3036	1.197	ug/l	100
22) Diisopropyl ether	3.757	45	3938	1.142	ug/l #	90
31) Cyclohexane	5.458	56	70779	42.209	ug/l	98
39) Methylcyclohexane	7.373	83	91947	55.404	ug/l	94
44) Trichloroethene	7.123	130	1474	1.435	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	2153	1.215	ug/l	98
52) Toluene	8.720	92	2581	1.006	ug/l	98
68) m/p-Xylenes	10.299	106	7382	3.908	ug/l	99
73) Isopropylbenzene	10.957	105	137329	26.299	ug/l	99
78) n-propylbenzene	11.299	91	182547	30.947	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	3651	0.865	ug/l	100
83) tert-Butylbenzene	11.713	119	3941	0.908	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	5147	1.212	ug/l	98
85) sec-Butylbenzene	11.890	105	70872	13.638	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	2673	1.216	ug/l	94
89) n-Butylbenzene	12.329	91	62706	17.337	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	2541	1.153	ug/l	97
94) Hexachlorobutadiene	13.719	225	1599	3.107	ug/l	94
95) Naphthalene	13.774	128	11903	2.468	ug/l #	94

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

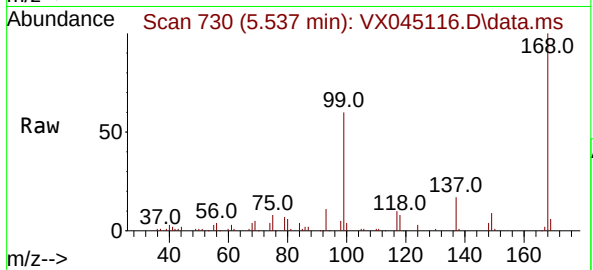
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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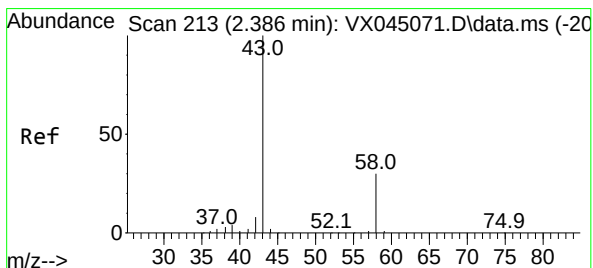
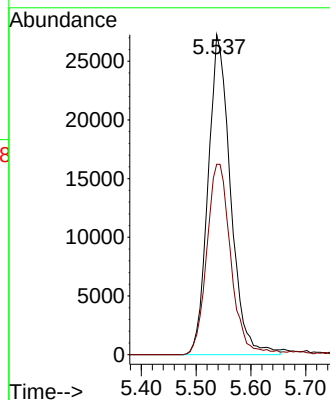
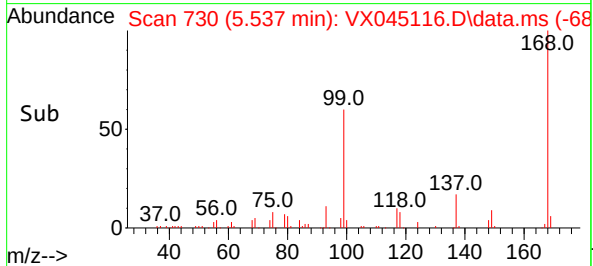


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

Instrument :
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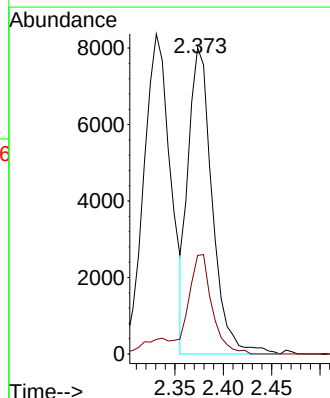
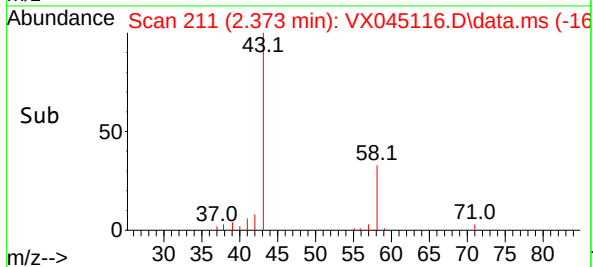
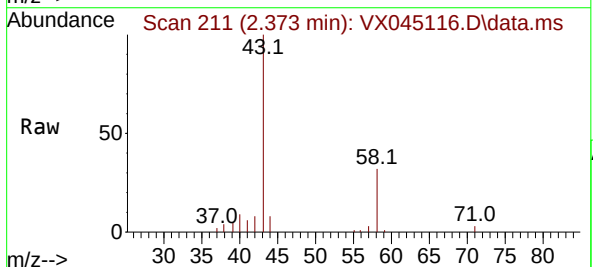


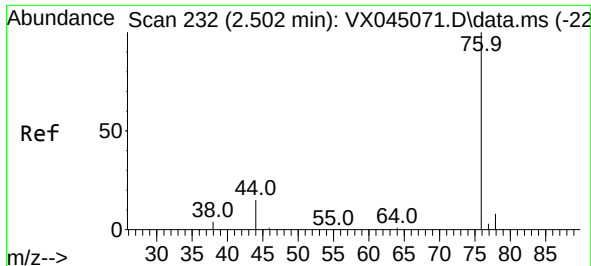
Tgt Ion:168 Resp: 77486
Ion Ratio Lower Upper
168 100
99 59.5 48.2 72.4



#16
Acetone
Concen: 24.146 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.012 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

Tgt Ion: 43 Resp: 13808
Ion Ratio Lower Upper
43 100
58 32.2 24.2 36.4

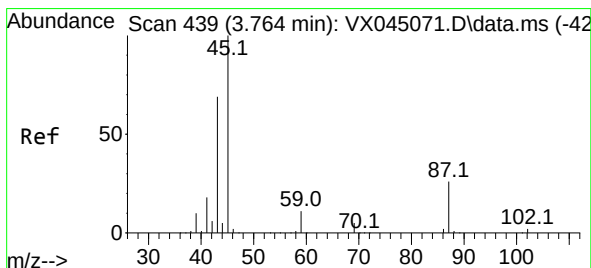
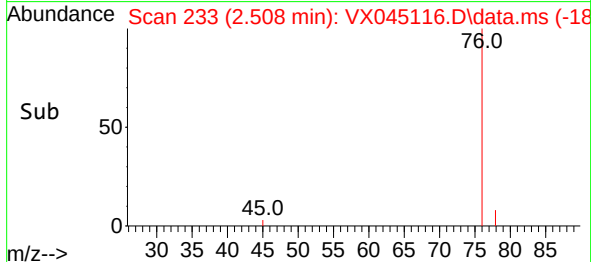
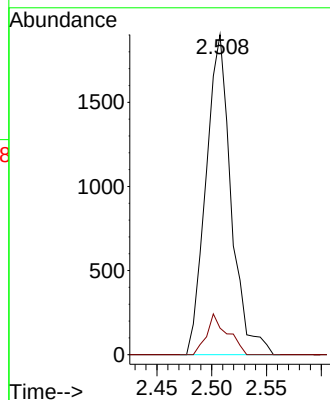
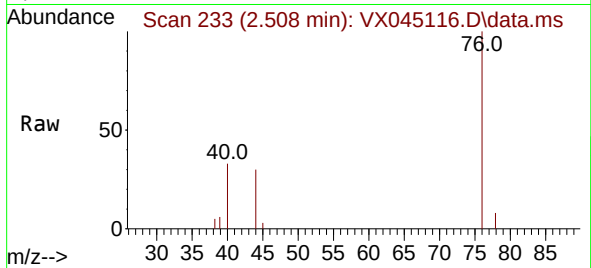




#17
Carbon Disulfide
Concen: 1.197 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

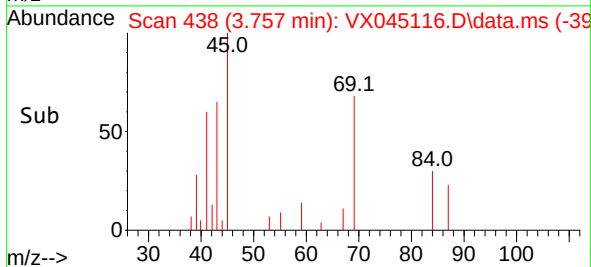
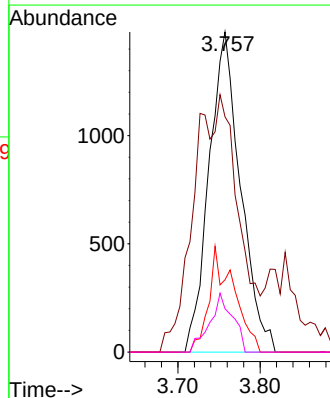
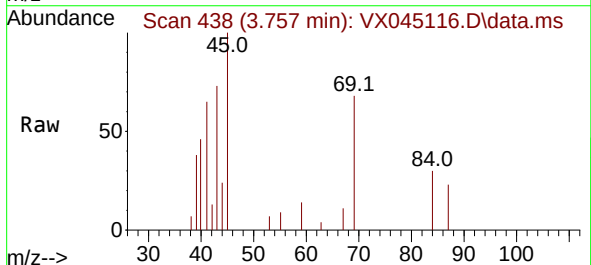
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WATER-SAMPLE

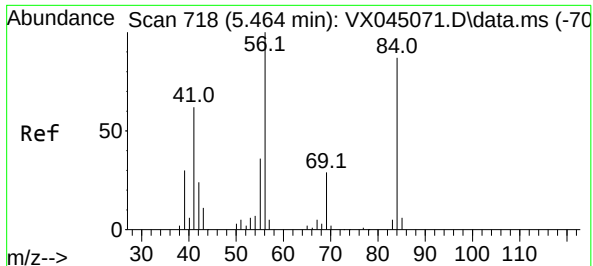
Tgt Ion: 76 Resp: 3036
Ion Ratio Lower Upper
76 100
78 8.3 6.6 9.8



#22
Diisopropyl ether
Concen: 1.142 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

Tgt Ion: 45 Resp: 3938
Ion Ratio Lower Upper
45 100
43 59.3 54.9 82.3
87 22.6 21.0 31.4
59 13.5 8.7 13.1#

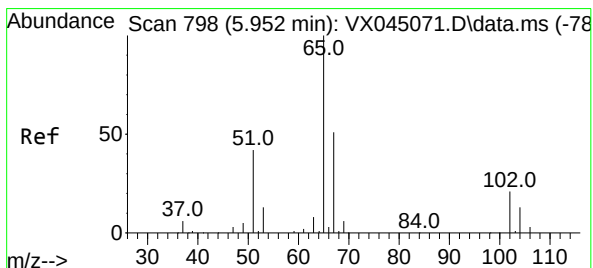
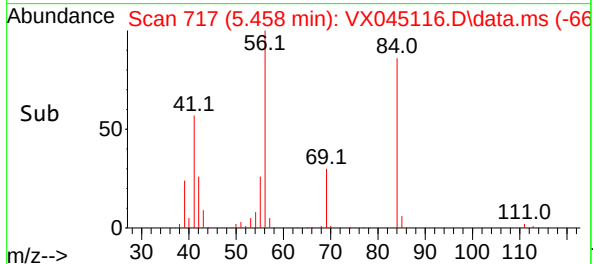
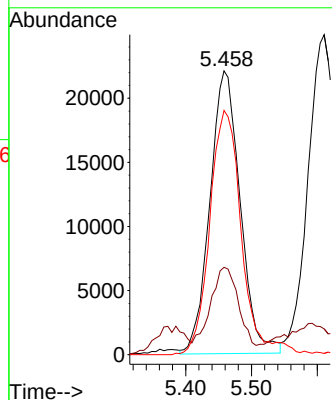
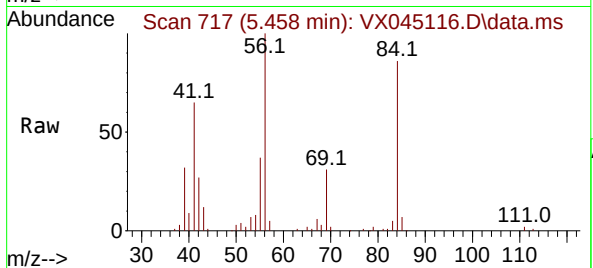




#31
Cyclohexane
Concen: 42.209 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

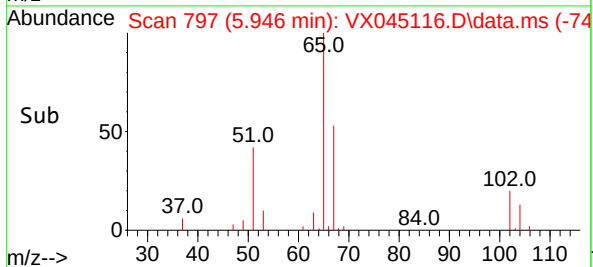
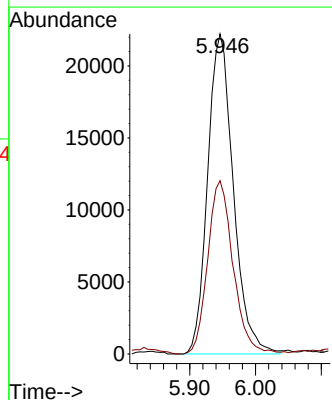
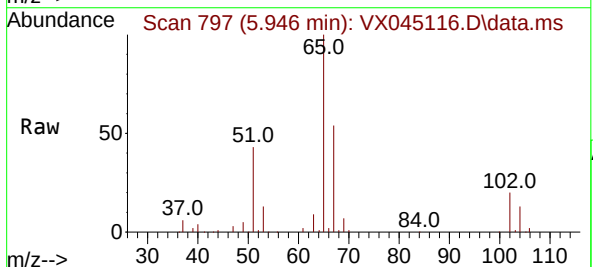
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WATER-SAMPLE

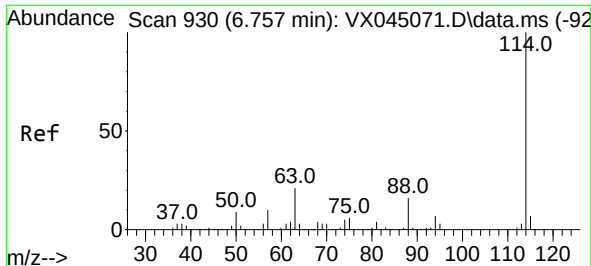
Tgt Ion: 56 Resp: 70779
Ion Ratio Lower Upper
56 100
69 24.9 23.4 35.2
84 86.9 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 49.037 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

Tgt Ion: 65 Resp: 60440
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.2

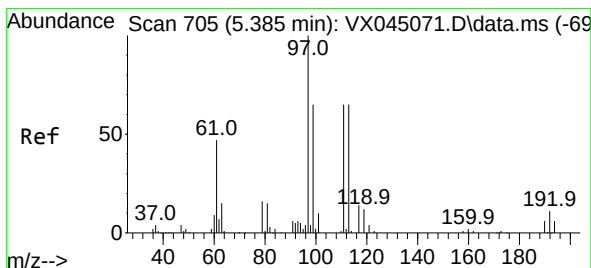
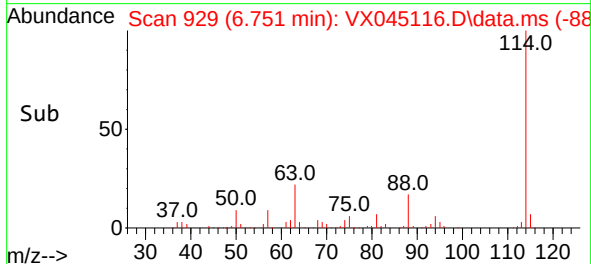
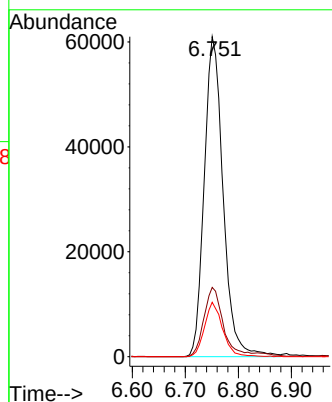
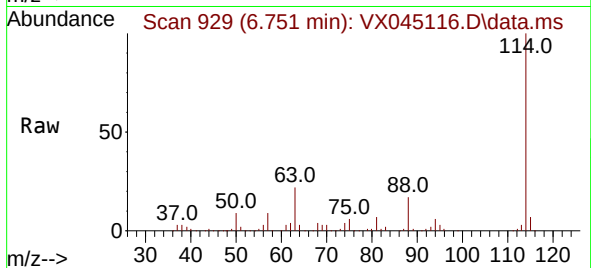




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

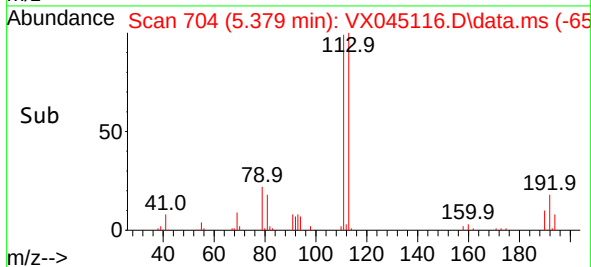
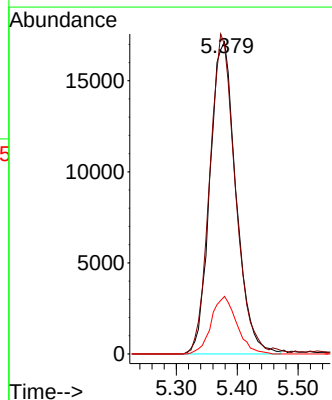
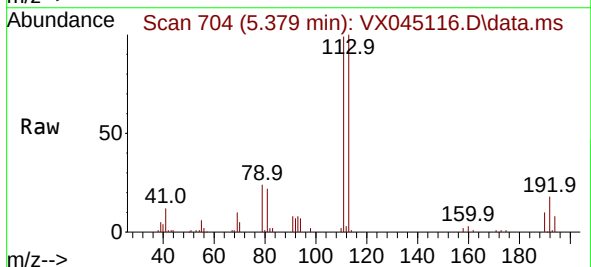
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WATER-SAMPLE

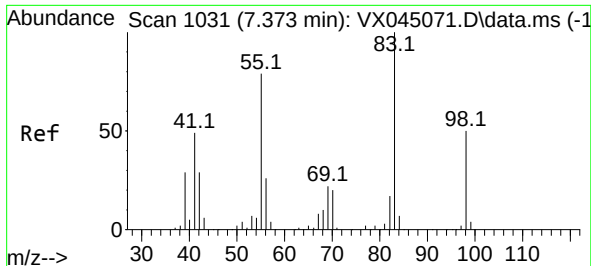
Tgt Ion:114 Resp: 151034
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.414 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

Tgt Ion:113 Resp: 50914
Ion Ratio Lower Upper
113 100
111 100.4 81.8 122.6
192 18.1 14.3 21.5





#39

Methylcyclohexane

Concen: 55.404 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045116.D

Acq: 03 Mar 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

TP-3-WATER-SAMPLE

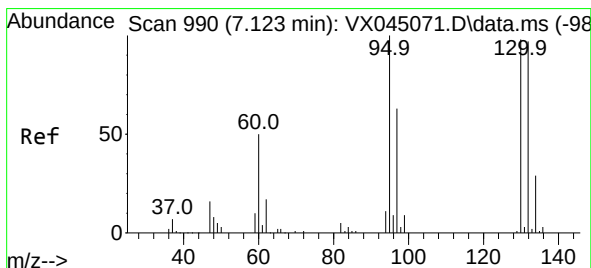
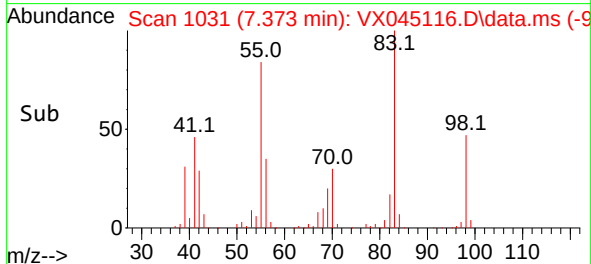
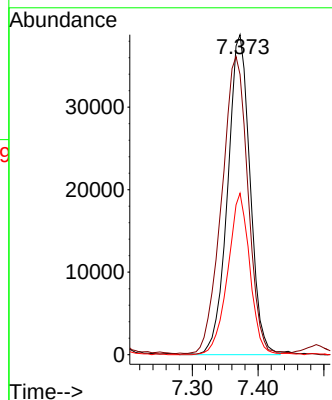
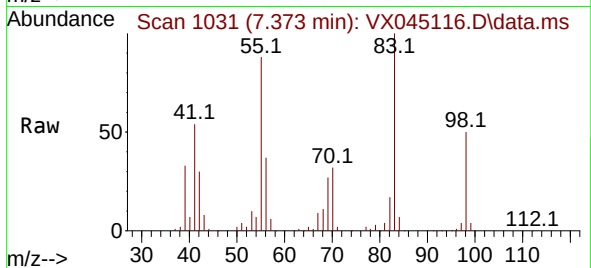
Tgt Ion: 83 Resp: 91947

Ion Ratio Lower Upper

83 100

55 87.0 63.0 94.4

98 50.4 39.7 59.5



#44

Trichloroethene

Concen: 1.435 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045116.D

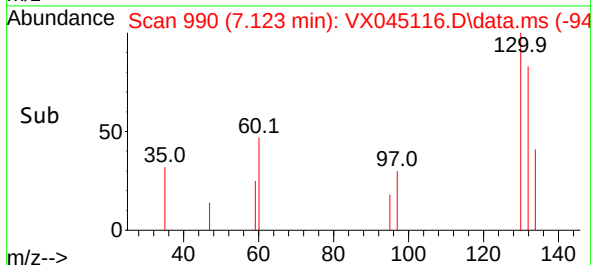
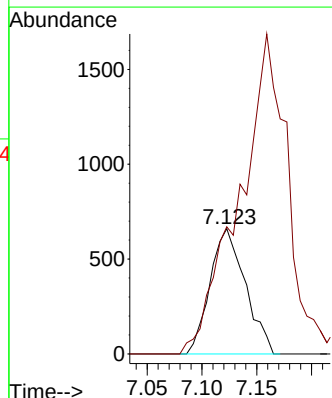
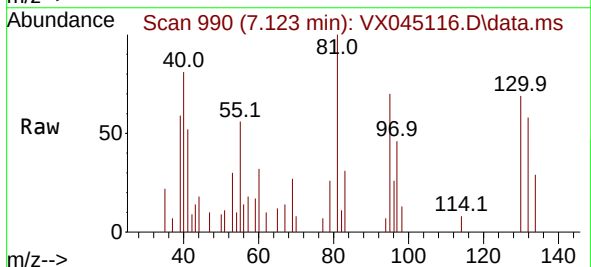
Acq: 03 Mar 2025 16:35

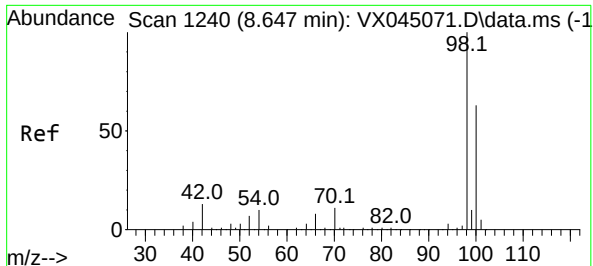
Tgt Ion:130 Resp: 1474

Ion Ratio Lower Upper

130 100

95 101.5 0.0 205.0

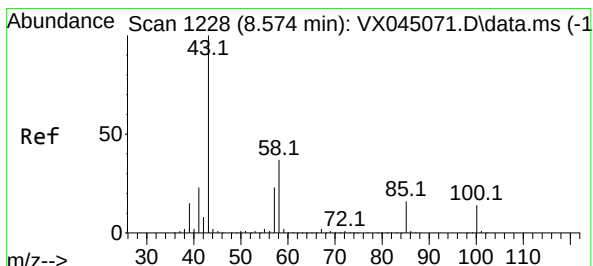
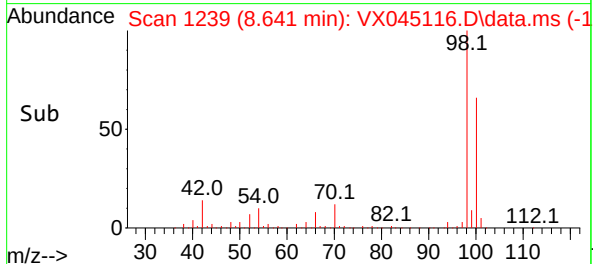
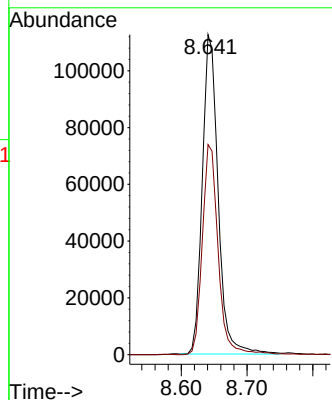
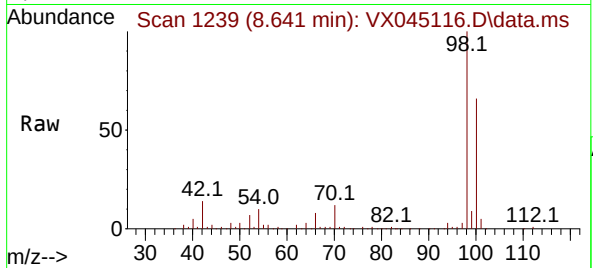




#50
Toluene-d8
Concen: 51.337 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

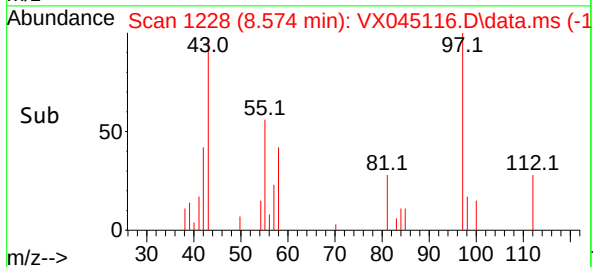
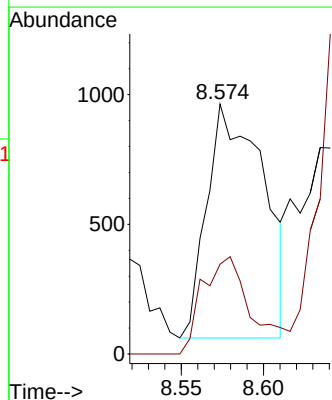
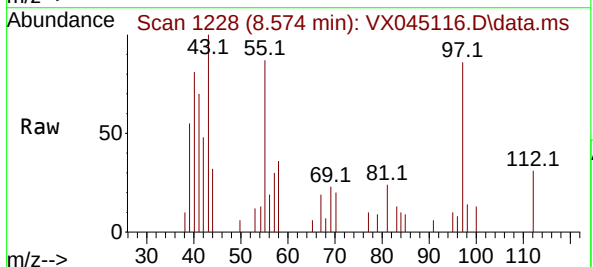
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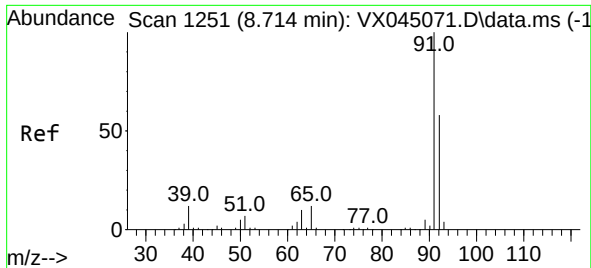
Tgt Ion: 98 Resp: 187962
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.215 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

Tgt Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
58 35.3 29.2 43.8

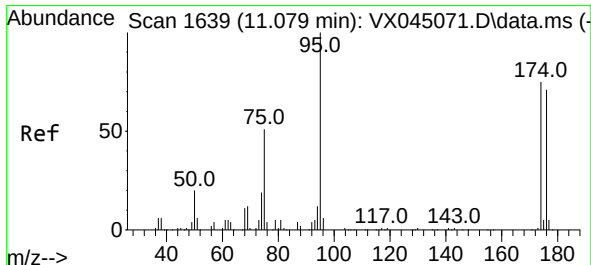
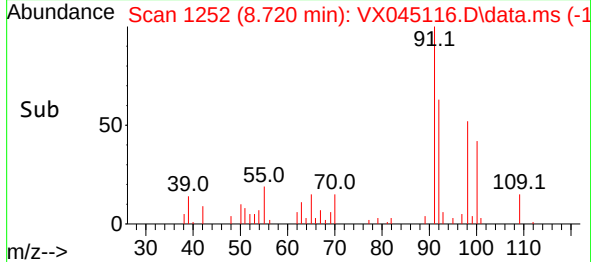
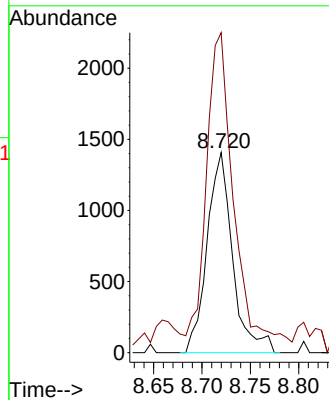
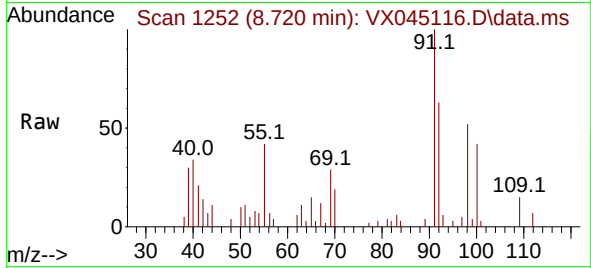




#52
Toluene
Concen: 1.006 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

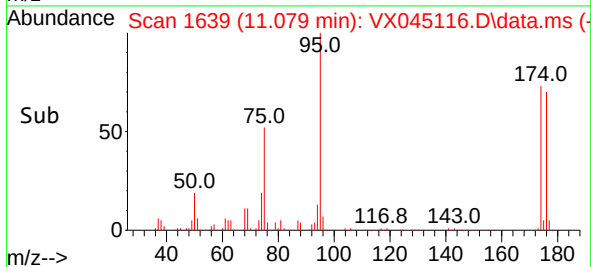
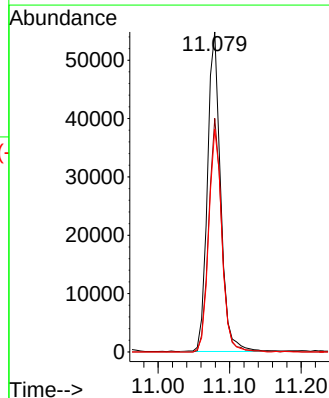
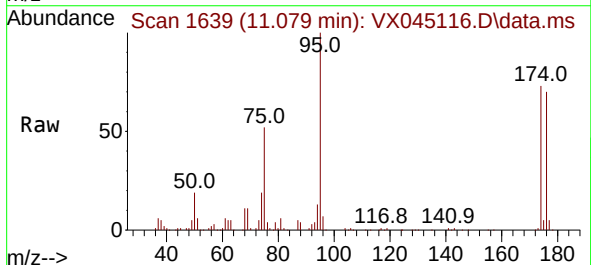
Instrument :
MSVOA_X
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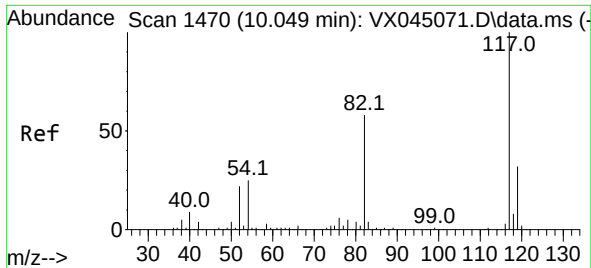
Tgt Ion: 92 Resp: 2581
Ion Ratio Lower Upper
92 100
91 176.7 138.9 208.3



#62
4-Bromofluorobenzene
Concen: 57.688 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

Tgt Ion: 95 Resp: 69990
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.2
176 69.9 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045116.D

Acq: 03 Mar 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

TP-3-WATER-SAMPLE

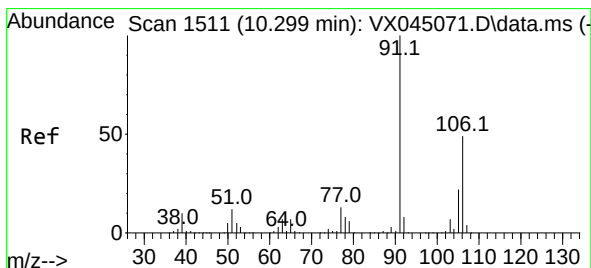
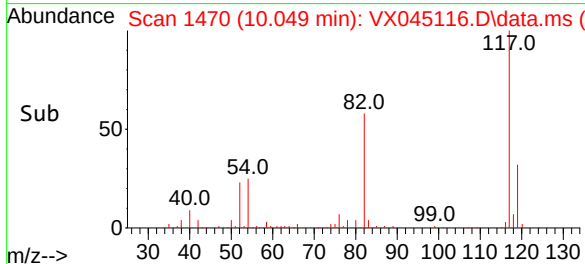
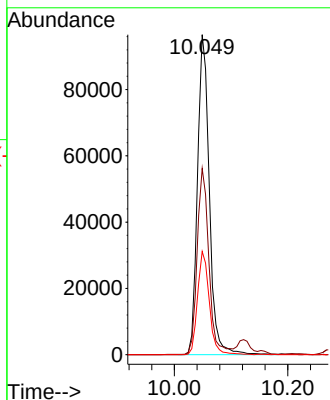
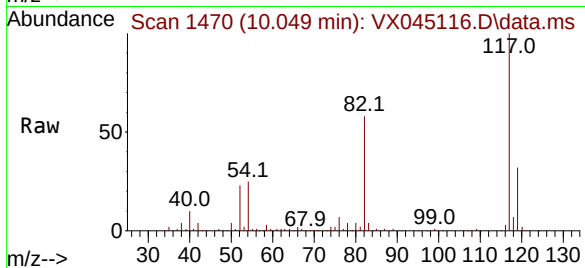
Tgt Ion:117 Resp: 139956

Ion Ratio Lower Upper

117 100

82 58.1 46.3 69.5

119 32.2 25.7 38.5



#68

m/p-Xylenes

Concen: 3.908 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045116.D

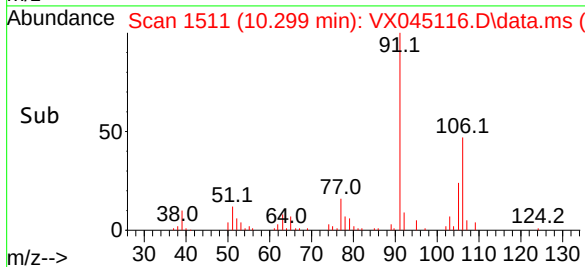
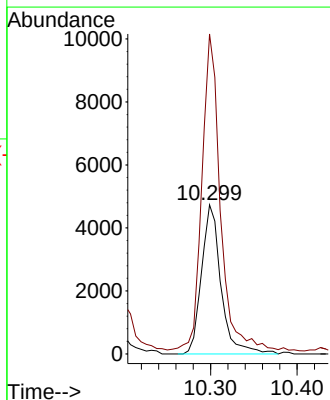
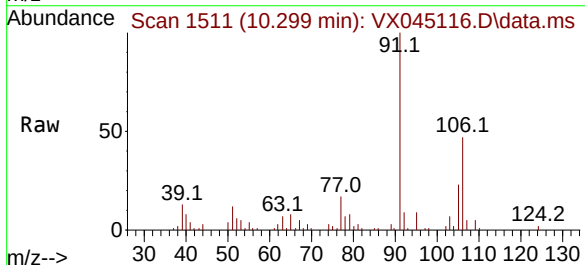
Acq: 03 Mar 2025 16:35

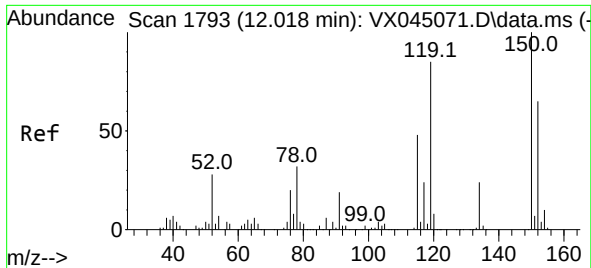
Tgt Ion:106 Resp: 7382

Ion Ratio Lower Upper

106 100

91 205.2 165.4 248.0

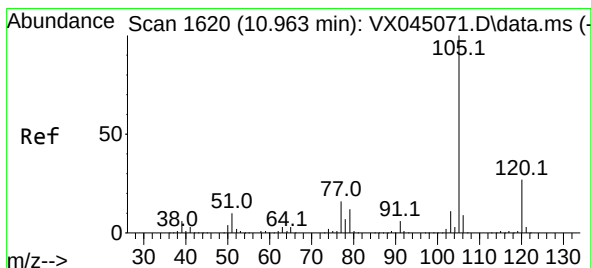
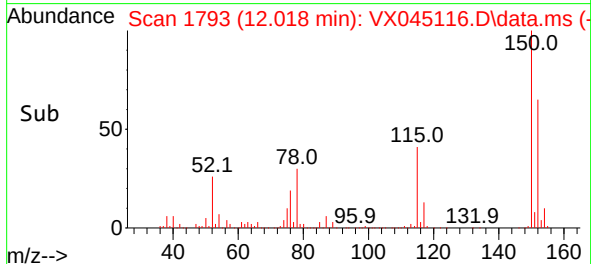
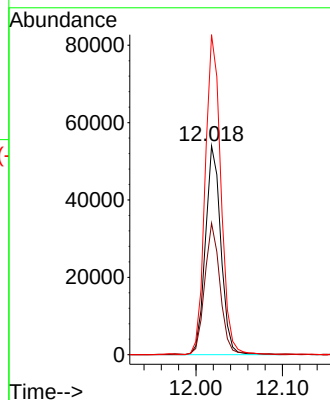
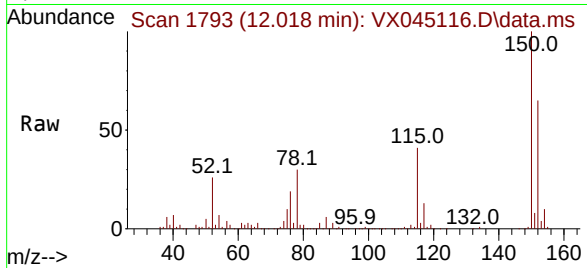




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

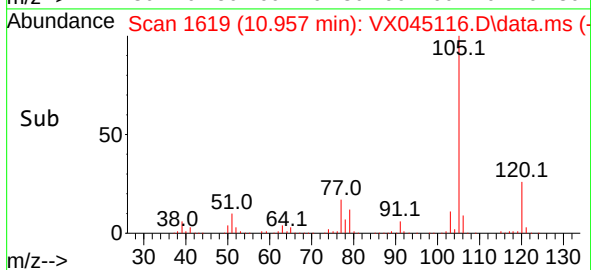
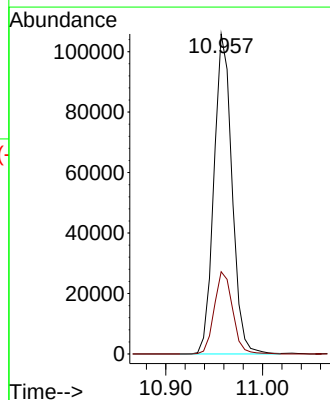
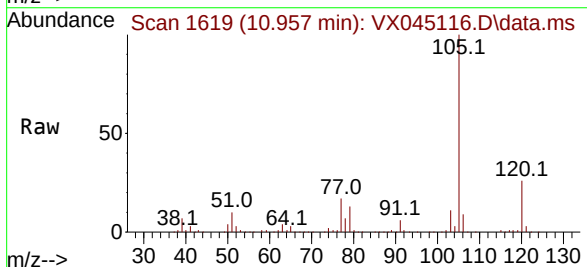
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WATER-SAMPLE

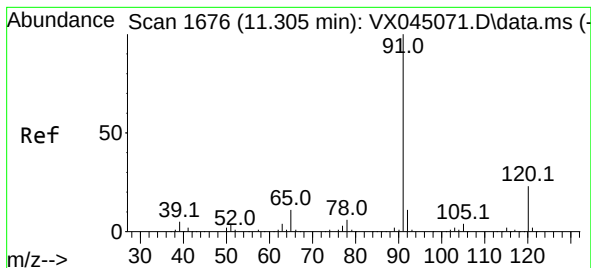
Tgt Ion:152 Resp: 66900
Ion Ratio Lower Upper
152 100
115 63.0 44.2 132.6
150 155.1 0.0 349.0



#73
Isopropylbenzene
Concen: 26.299 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

Tgt Ion:105 Resp: 137329
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5





#78

n-propylbenzene

Concen: 30.947 ug/l

RT: 11.299 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX045116.D

Acq: 03 Mar 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

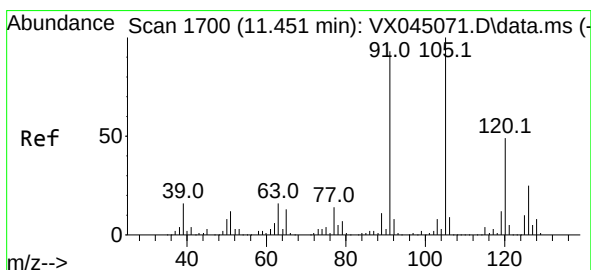
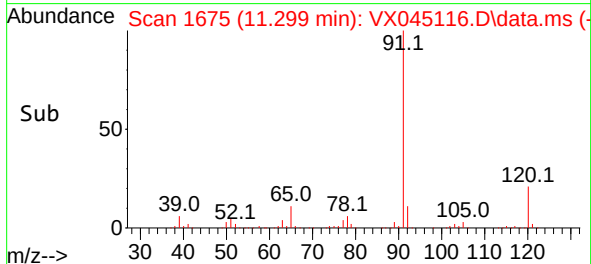
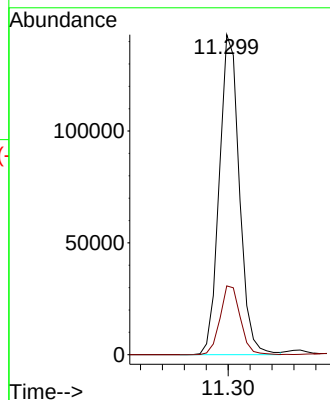
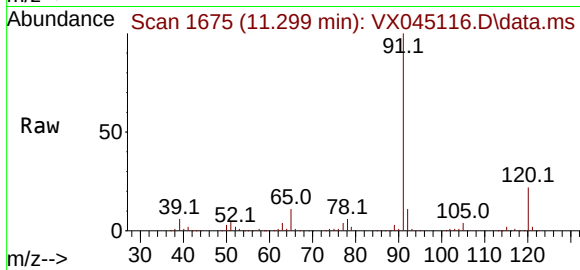
TP-3-WATER-SAMPLE

Tgt Ion: 91 Resp: 182547

Ion Ratio Lower Upper

91 100

120 21.7 11.2 33.6



#80

1,3,5-Trimethylbenzene

Concen: 0.865 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX045116.D

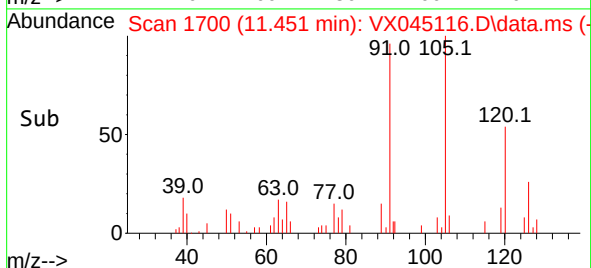
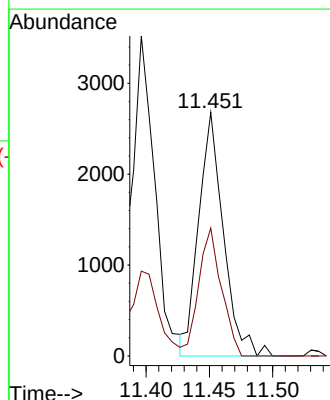
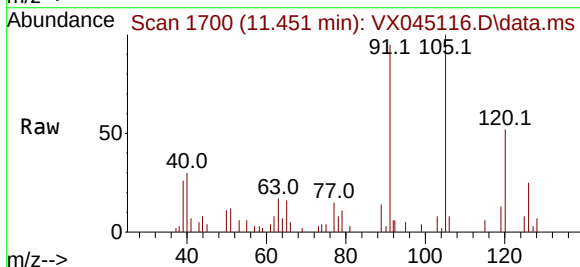
Acq: 03 Mar 2025 16:35

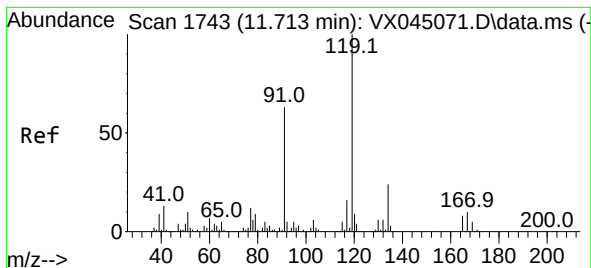
Tgt Ion:105 Resp: 3651

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#83

tert-Butylbenzene

Concen: 0.908 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX045116.D

Acq: 03 Mar 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

TP-3-WATER-SAMPLE

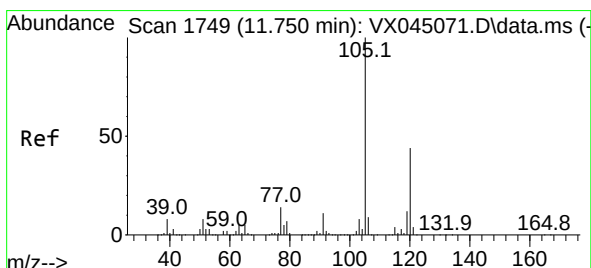
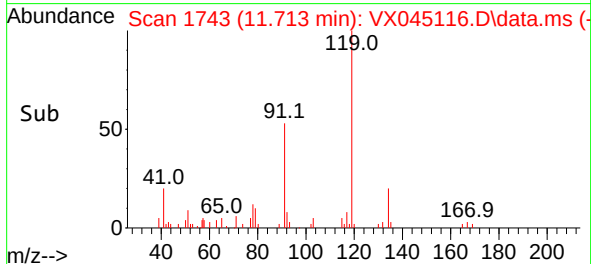
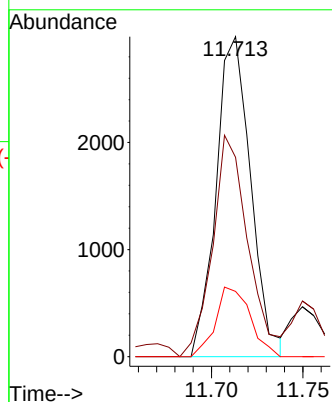
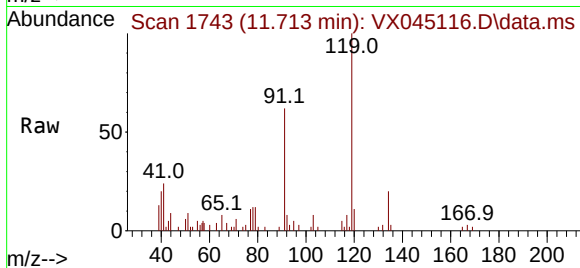
Tgt Ion:119 Resp: 3941

Ion Ratio Lower Upper

119 100

91 70.9 30.7 92.1

134 21.8 11.7 35.0



#84

1,2,4-Trimethylbenzene

Concen: 1.212 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX045116.D

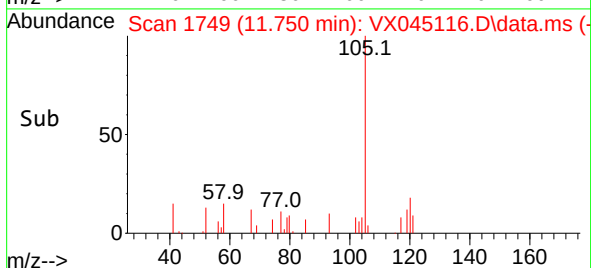
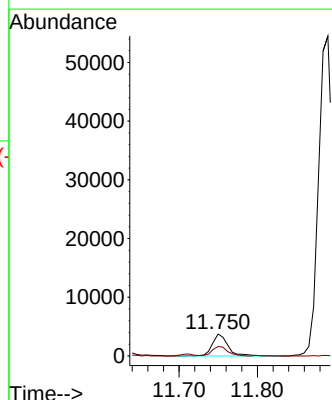
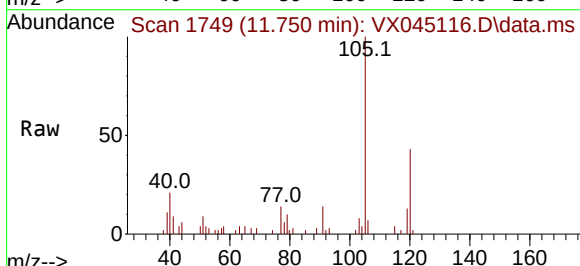
Acq: 03 Mar 2025 16:35

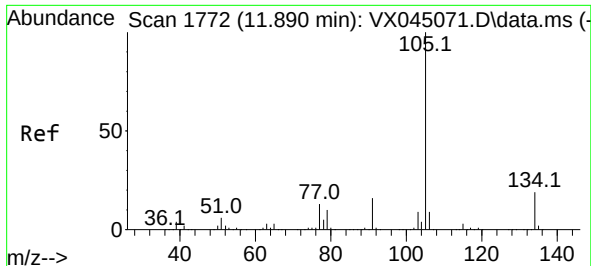
Tgt Ion:105 Resp: 5147

Ion Ratio Lower Upper

105 100

120 42.9 22.1 66.1

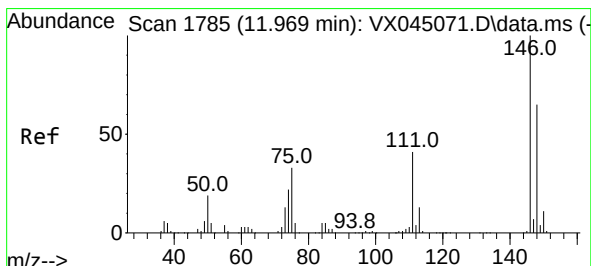
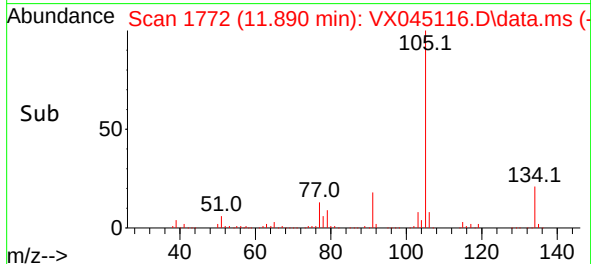
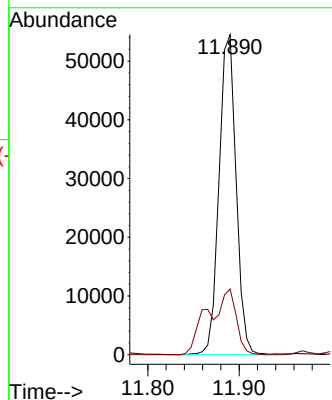
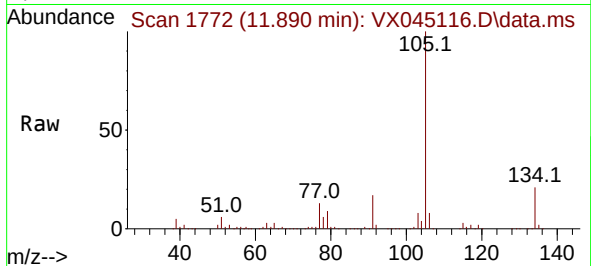




#85
 sec-Butylbenzene
 Concen: 13.638 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX045116.D
 Acq: 03 Mar 2025 16:35

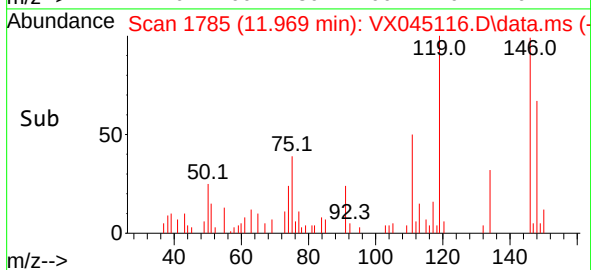
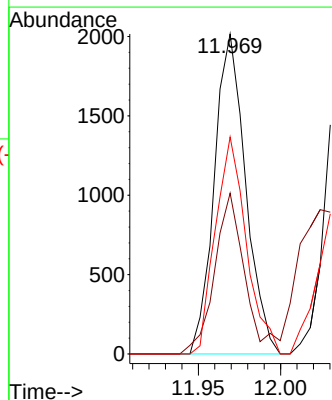
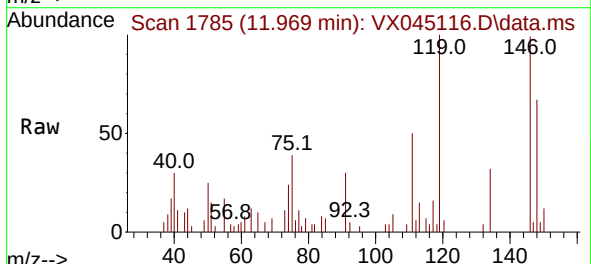
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-WATER-SAMPLE

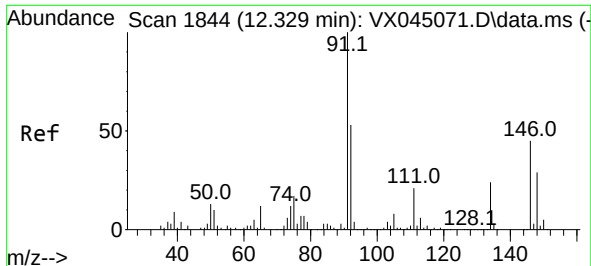
Tgt Ion:105 Resp: 70872
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.4



#87
 1,3-Dichlorobenzene
 Concen: 1.216 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.000 min
 Lab File: VX045116.D
 Acq: 03 Mar 2025 16:35

Tgt Ion:146 Resp: 2673
 Ion Ratio Lower Upper
 146 100
 111 48.7 21.1 63.4
 148 66.9 31.9 95.7





#89

n-Butylbenzene

Concen: 17.337 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045116.D

Acq: 03 Mar 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

TP-3-WATER-SAMPLE

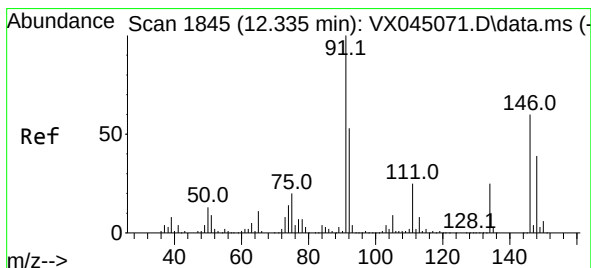
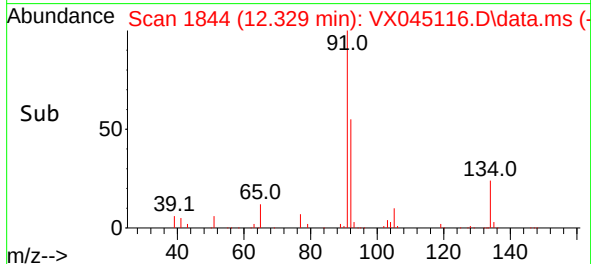
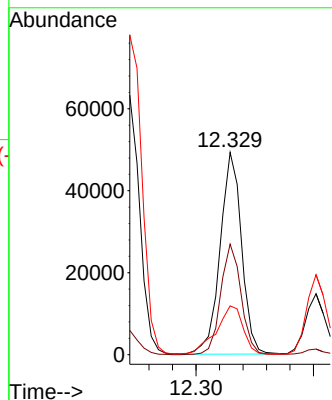
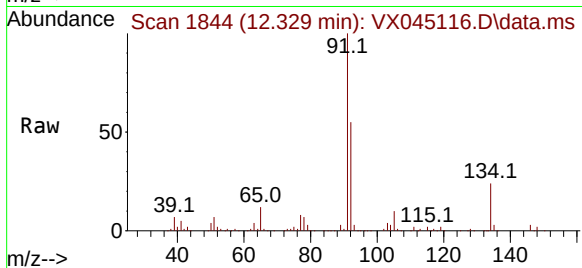
Tgt Ion: 91 Resp: 62706

Ion Ratio Lower Upper

91 100

92 52.2 26.7 80.0

134 30.0 12.2 36.6



#91

1,2-Dichlorobenzene

Concen: 1.153 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX045116.D

Acq: 03 Mar 2025 16:35

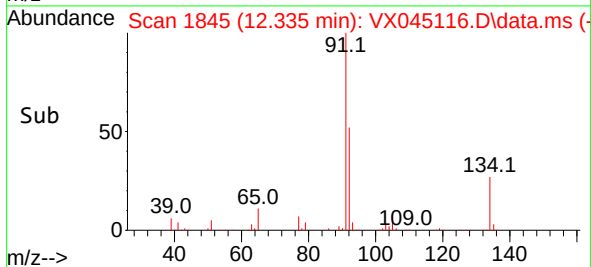
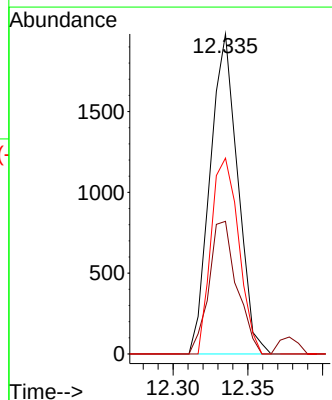
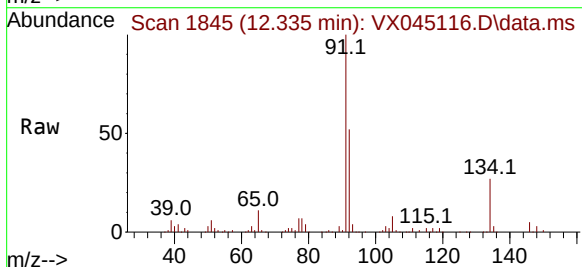
Tgt Ion:146 Resp: 2541

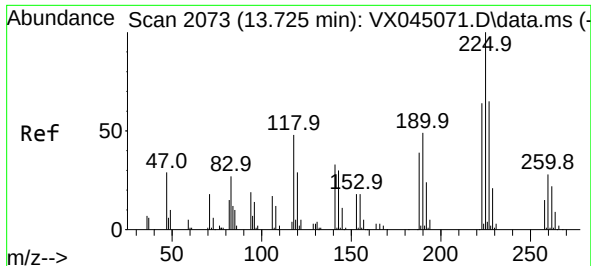
Ion Ratio Lower Upper

146 100

111 42.0 21.6 65.0

148 61.2 31.9 95.9

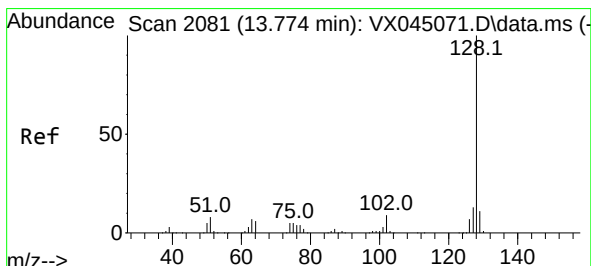
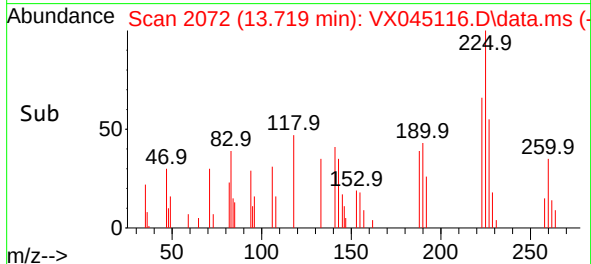
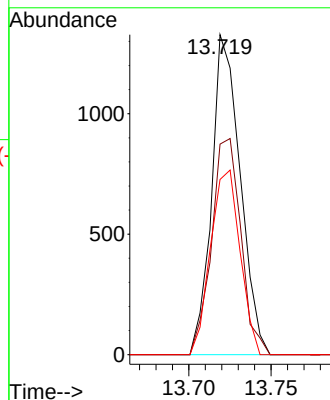
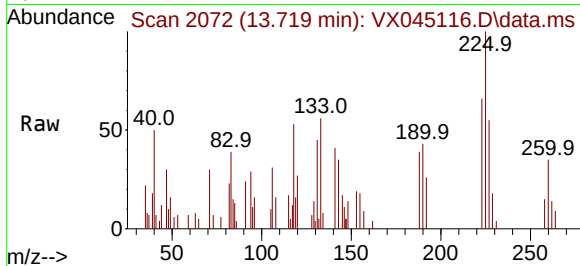




#94
Hexachlorobutadiene
Concen: 3.107 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
TP-3-WATER-SAMPLE

Tgt Ion:225 Resp: 1599
Ion Ratio Lower Upper
225 100
223 69.5 31.9 95.7
227 59.7 31.4 94.0



#95
Naphthalene
Concen: 2.468 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045116.D
Acq: 03 Mar 2025 16:35

Tgt Ion:128 Resp: 11903
Ion Ratio Lower Upper
128 100
127 15.7 10.3 15.5#
129 12.8 8.7 13.1

