

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040925\
 Data File : VX045681.D
 Acq On : 09 Apr 2025 17:16
 Operator : JC/MD
 Sample : Q1762-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW4

Quant Time: Apr 10 01:36:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

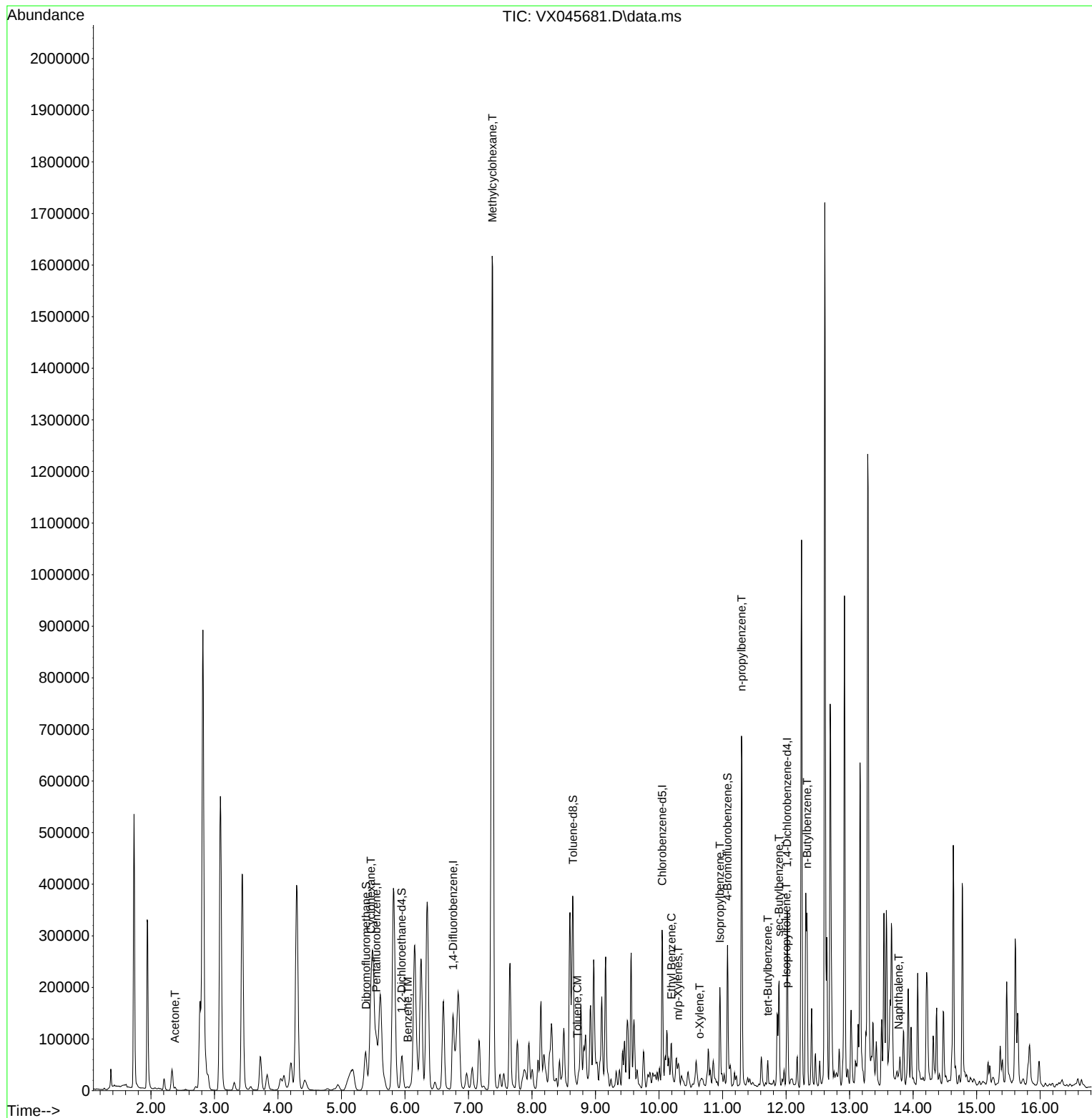
Internal Standards						
1) Pentafluorobenzene	5.550	168	73129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66936	50.052	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.100%	
35) Dibromofluoromethane	5.385	113	48939	50.917	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.840%	
50) Toluene-d8	8.647	98	175427	52.291	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.580%	
62) 4-Bromofluorobenzene	11.079	95	70156	57.411	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 114.820%	
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	5690	10.361	ug/l	98
31) Cyclohexane	5.464	56	157999	96.311	ug/l #	95
39) Methylcyclohexane	7.379	83	683265	429.512	ug/l	97
40) Benzene	6.044	78	6348	1.602	ug/l	96
52) Toluene	8.714	92	2340	0.976	ug/l #	68
67) Ethyl Benzene	10.195	91	46826	9.760	ug/l	100
68) m/p-Xylenes	10.299	106	2692	1.543	ug/l	87
69) o-Xylene	10.640	106	887	0.516	ug/l	89
73) Isopropylbenzene	10.957	105	90832	19.479	ug/l	100
78) n-propylbenzene	11.299	91	415596	77.378	ug/l	100
83) tert-Butylbenzene	11.713	119	10259	2.687	ug/l	89
85) sec-Butylbenzene	11.890	105	99614	21.245	ug/l	98
86) p-Isopropyltoluene	12.006	119	10835	2.803	ug/l	93
89) n-Butylbenzene	12.329	91	155654	46.435	ug/l #	80
95) Naphthalene	13.774	128	11315	2.801	ug/l #	93

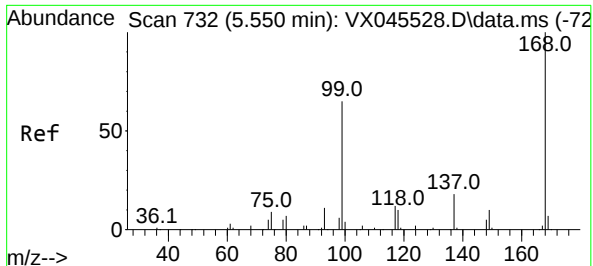
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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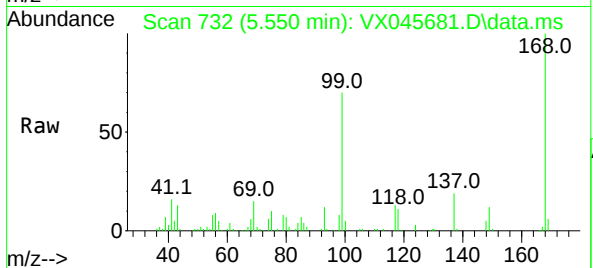
Quant Time: Apr 10 01:36:48 2025
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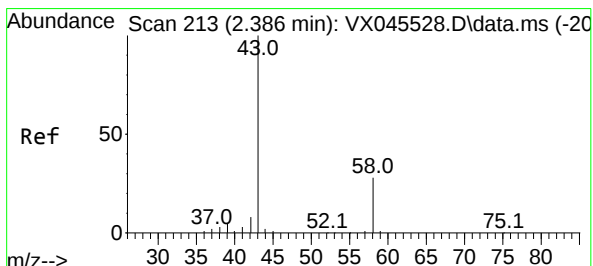
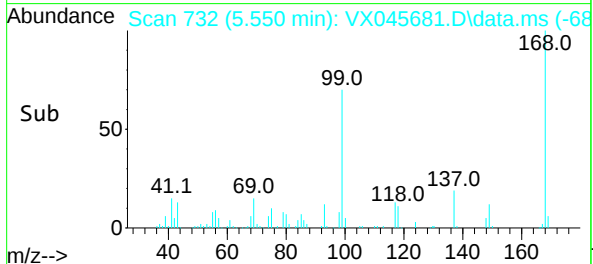
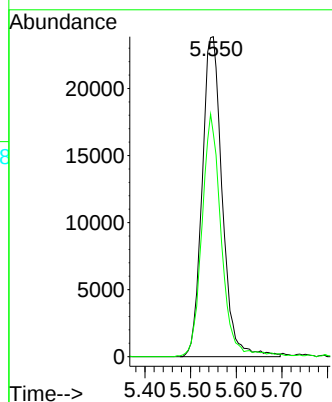


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

Instrument :
MSVOA_X
ClientSampleId :
MW4

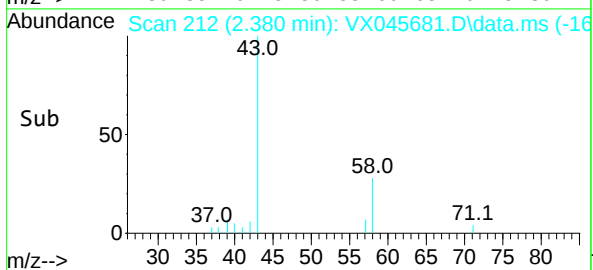
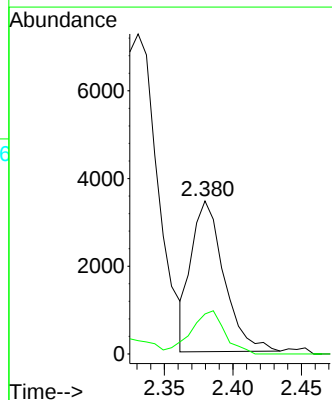
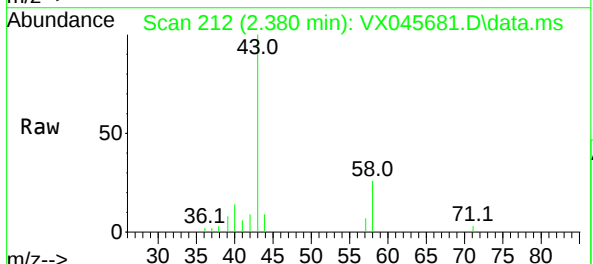


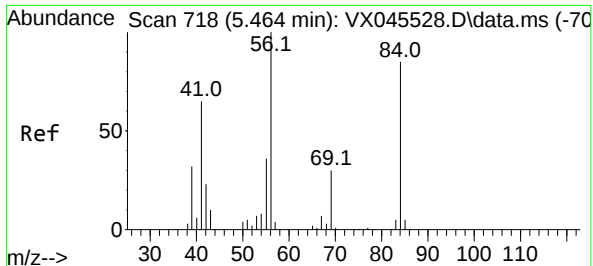
Tgt Ion:168 Resp: 73129
Ion Ratio Lower Upper
168 100
99 69.5 52.3 78.5



#16
Acetone
Concen: 10.361 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

Tgt Ion: 43 Resp: 5690
Ion Ratio Lower Upper
43 100
58 26.7 22.3 33.5

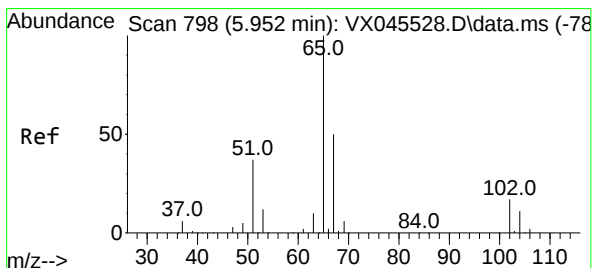
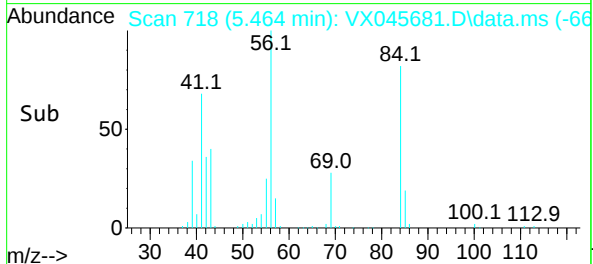
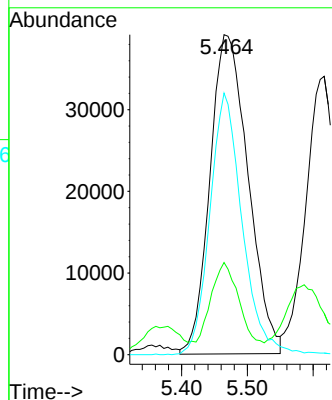
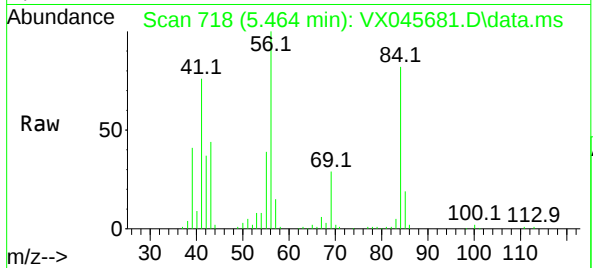




#31
Cyclohexane
Concen: 96.311 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

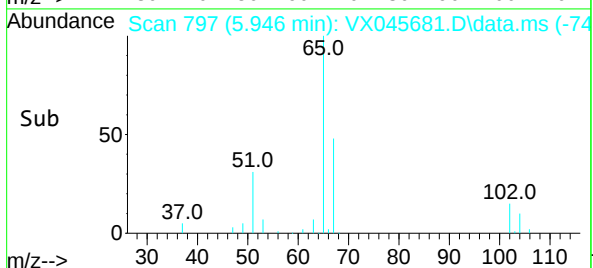
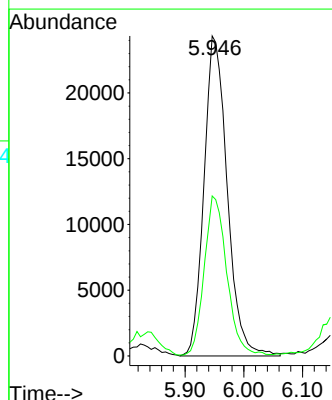
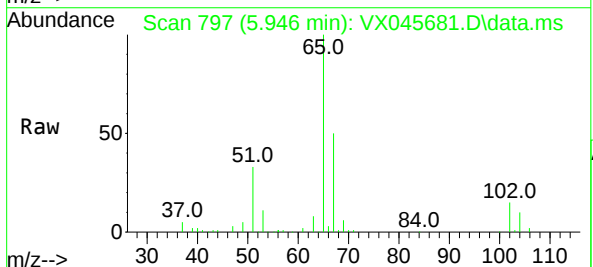
Instrument :
MSVOA_X
ClientSampleId :
MW4

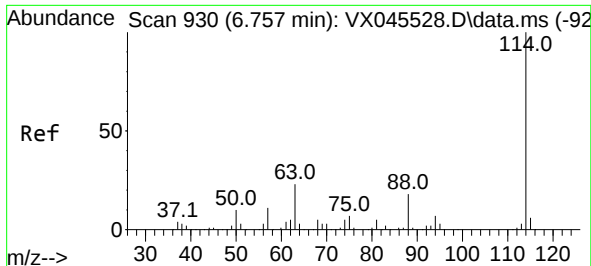
Tgt Ion: 56 Resp: 157999
Ion Ratio Lower Upper
56 100
69 22.9 23.6 35.4#
84 82.7 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 50.052 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

Tgt Ion: 65 Resp: 66936
Ion Ratio Lower Upper
65 100
67 47.8 0.0 99.0

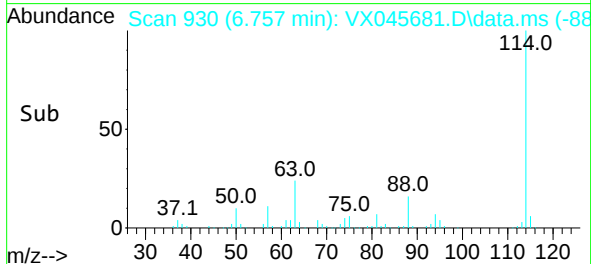
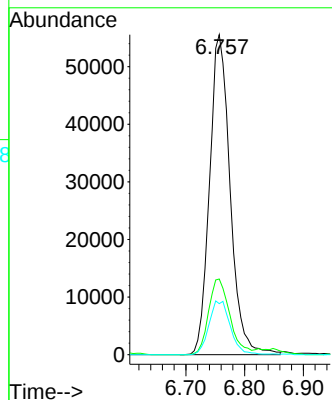
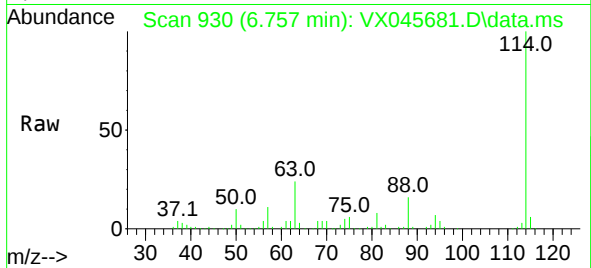




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

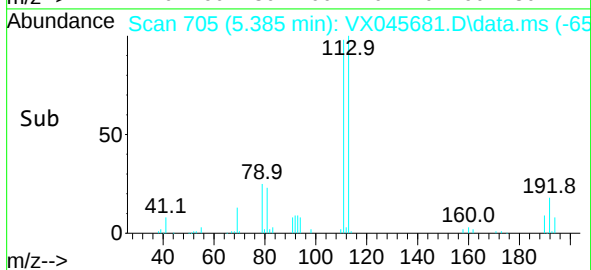
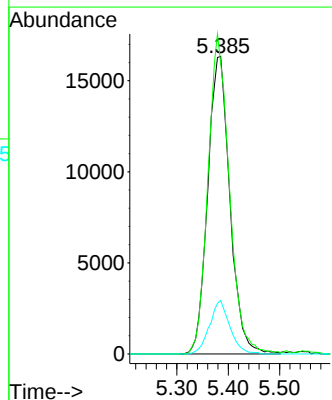
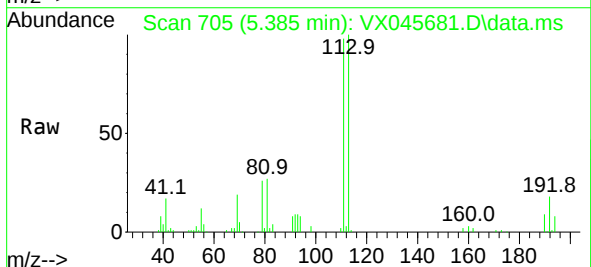
Instrument :
MSVOA_X
ClientSampleId :
MW4

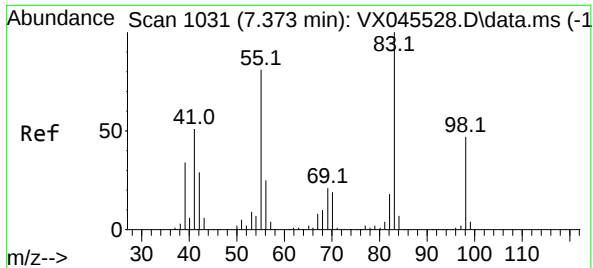
Tgt Ion:114 Resp: 135470
Ion Ratio Lower Upper
114 100
63 23.6 0.0 46.8
88 16.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.917 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

Tgt Ion:113 Resp: 48939
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.6
192 16.5 13.8 20.6

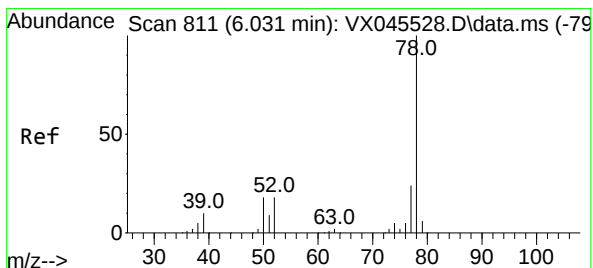
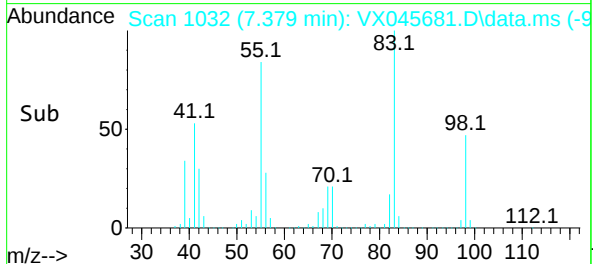
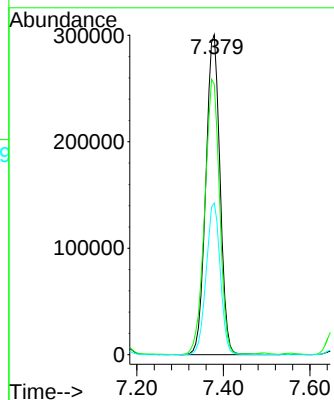
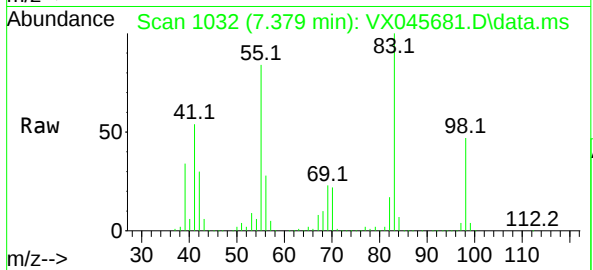




#39
Methylcyclohexane
Concen: 429.512 ug/l
RT: 7.379 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

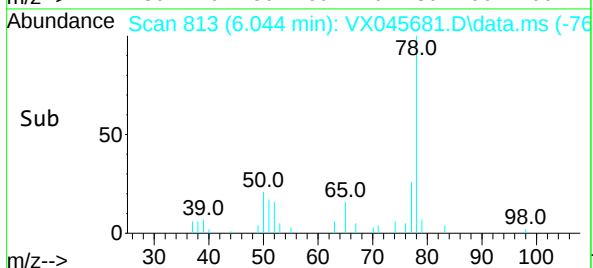
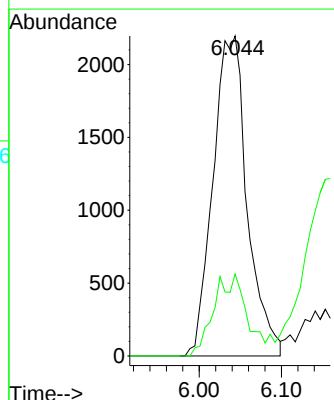
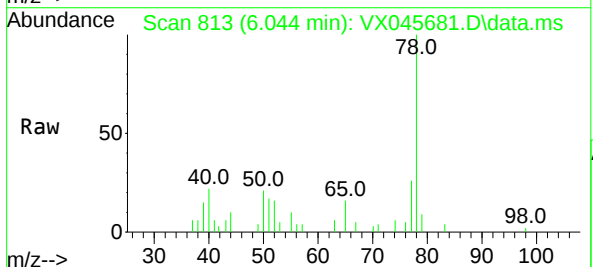
Instrument :
MSVOA_X
ClientSampleId :
MW4

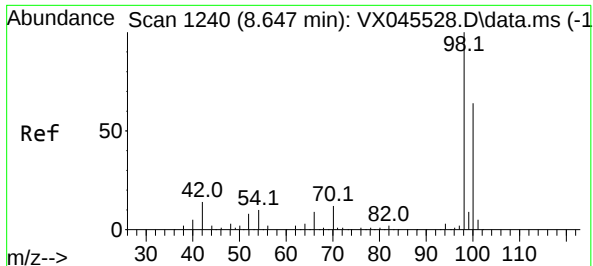
Tgt Ion: 83 Resp: 683265
Ion Ratio Lower Upper
83 100
55 84.4 64.9 97.3
98 47.4 37.4 56.0



#40
Benzene
Concen: 1.602 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

Tgt Ion: 78 Resp: 6348
Ion Ratio Lower Upper
78 100
77 25.6 19.0 28.6





#50

Toluene-d8

Concen: 52.291 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045681.D

Acq: 09 Apr 2025 17:16

Instrument :

MSVOA_X

ClientSampleId :

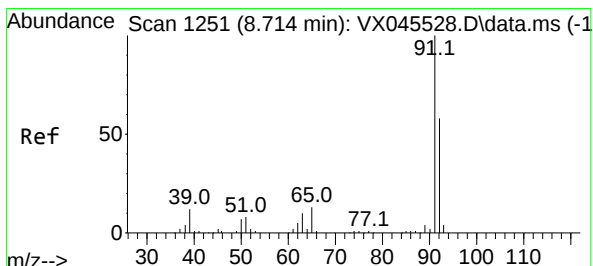
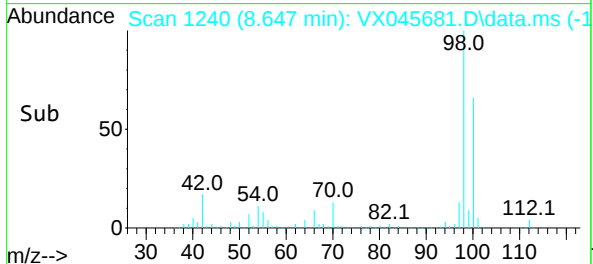
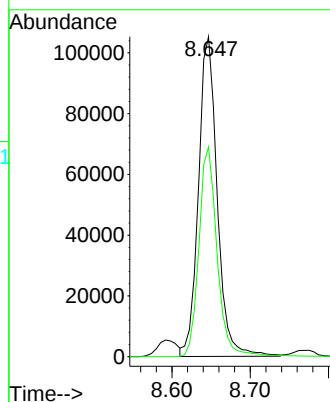
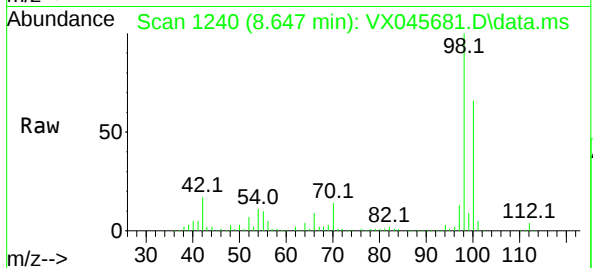
MW4

Tgt Ion: 98 Resp: 175427

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.4



#52

Toluene

Concen: 0.976 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX045681.D

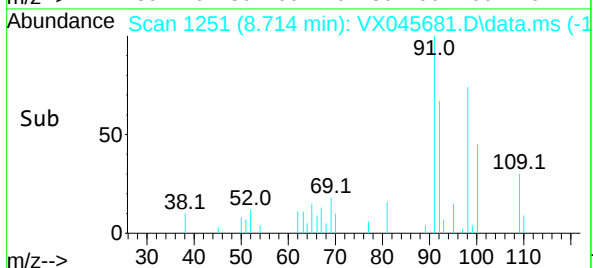
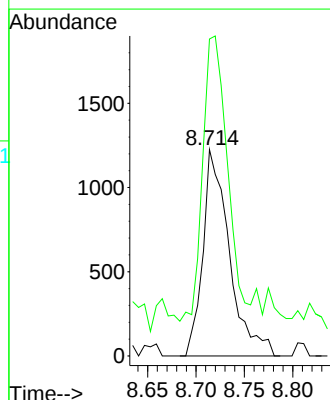
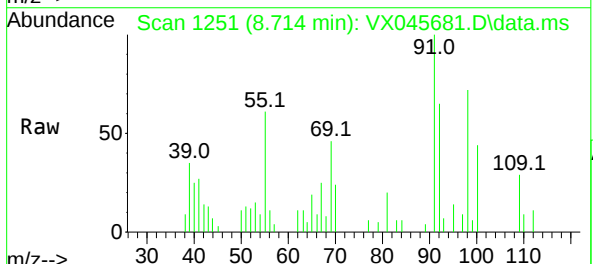
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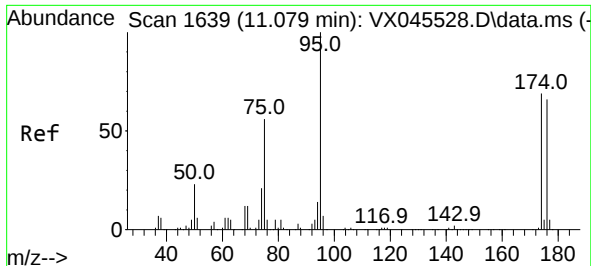
Tgt Ion: 92 Resp: 2340

Ion Ratio Lower Upper

92 100

91 128.4 138.7 208.1#

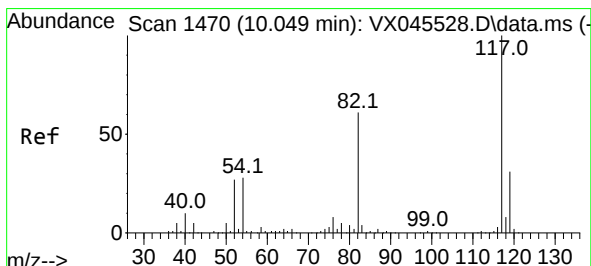
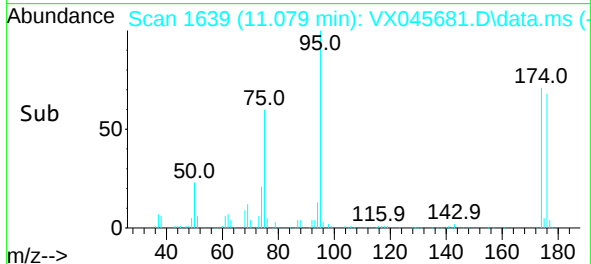
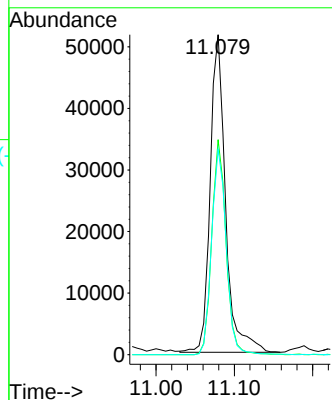
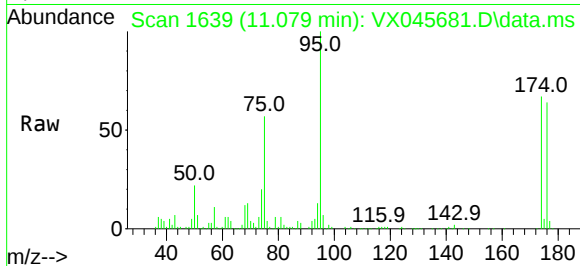




#62
4-Bromofluorobenzene
Concen: 57.411 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

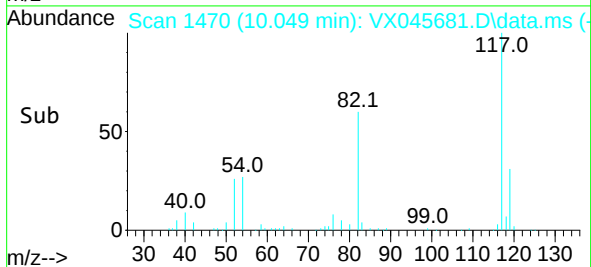
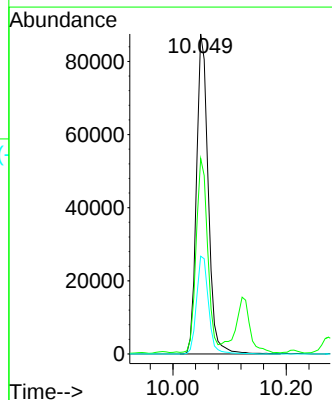
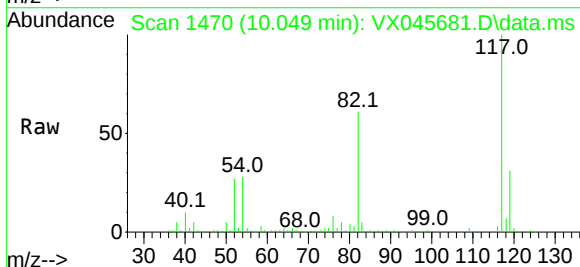
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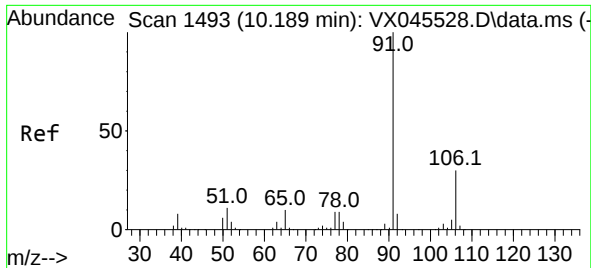
Tgt Ion: 95 Resp: 70156
Ion Ratio Lower Upper
95 100
174 62.7 0.0 135.8
176 61.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

Tgt Ion: 117 Resp: 125359
Ion Ratio Lower Upper
117 100
82 60.7 49.2 73.8
119 30.5 25.1 37.7

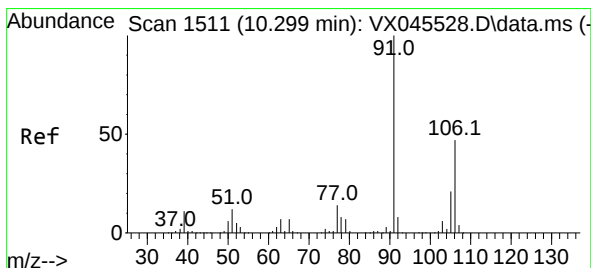
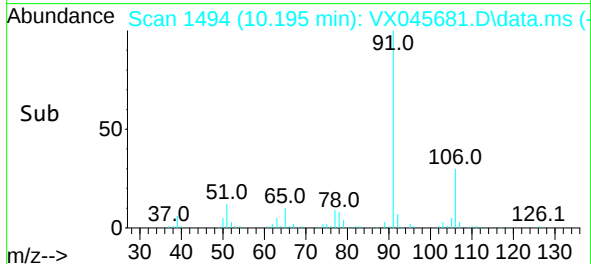
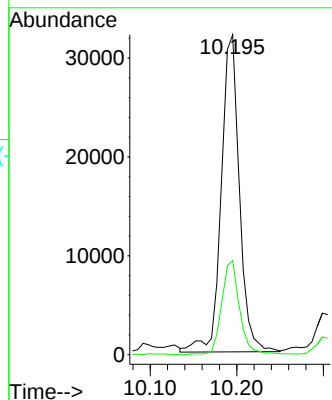
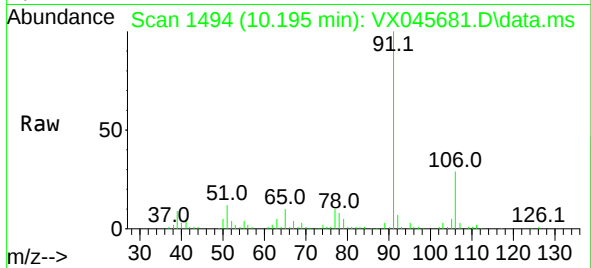




#67
Ethyl Benzene
Concen: 9.760 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

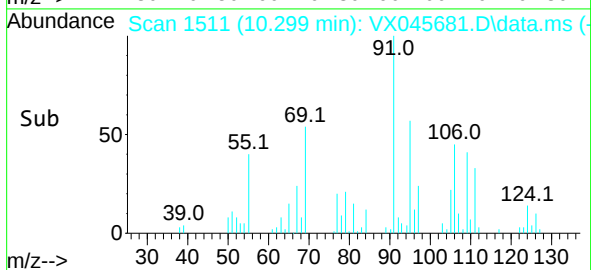
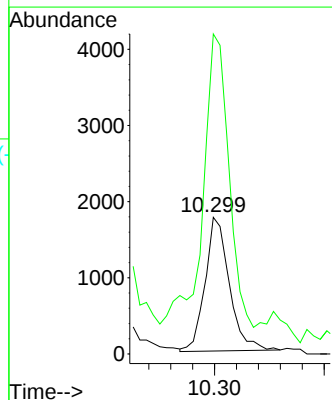
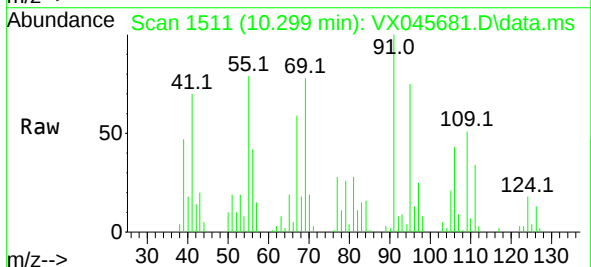
Instrument :
MSVOA_X
ClientSampleId :
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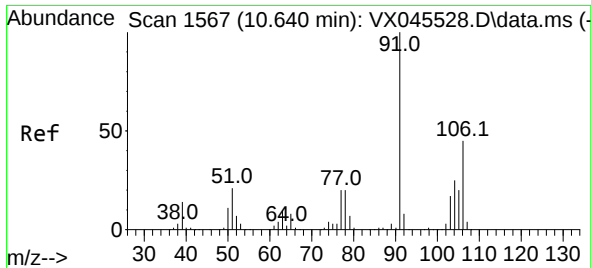
Tgt Ion: 91 Resp: 46826
Ion Ratio Lower Upper
91 100
106 29.8 23.7 35.5



#68
m/p-Xylenes
Concen: 1.543 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

Tgt Ion: 106 Resp: 2692
Ion Ratio Lower Upper
106 100
91 236.0 172.6 258.8

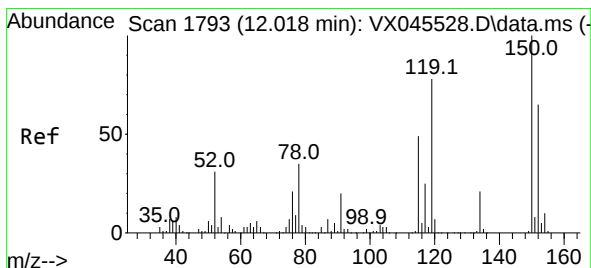
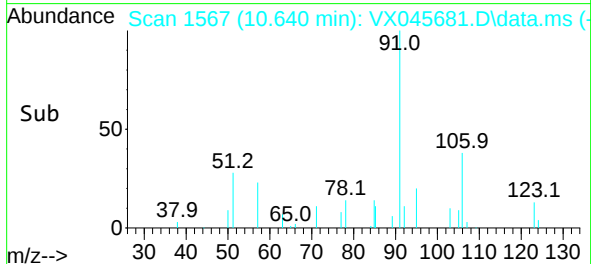
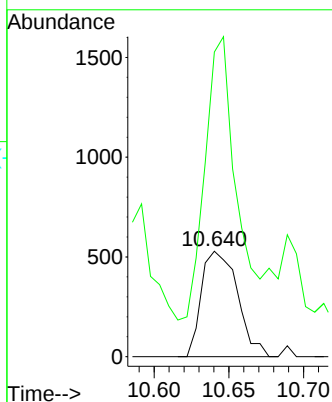
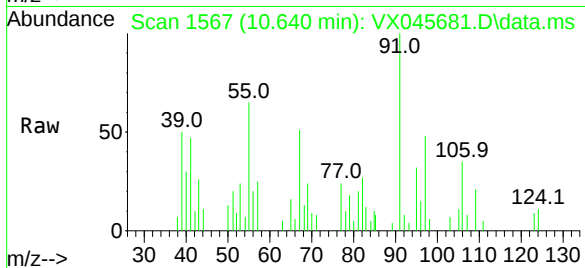




#69
o-Xylene
Concen: 0.516 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

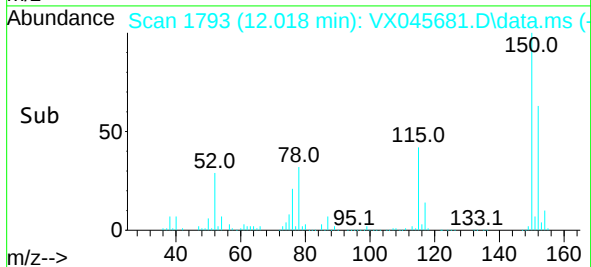
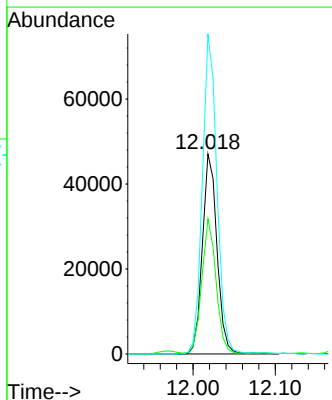
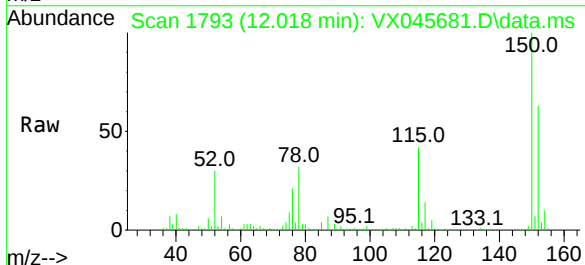
Instrument :
MSVOA_X
ClientSampleId :
MW4

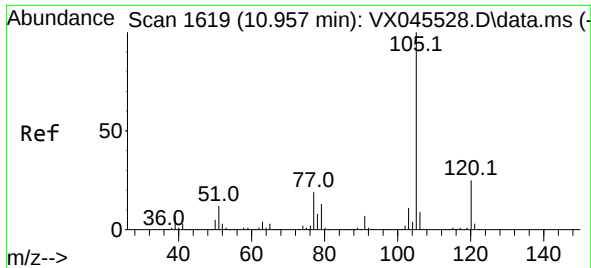
Tgt Ion:106 Resp: 887
Ion Ratio Lower Upper
106 100
91 245.3 113.6 340.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

Tgt Ion:152 Resp: 58214
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 158.8 0.0 349.4

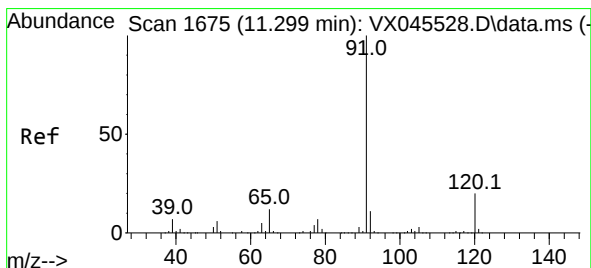
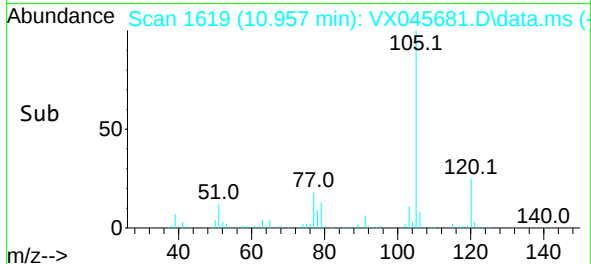
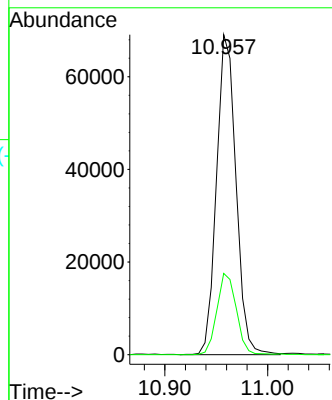
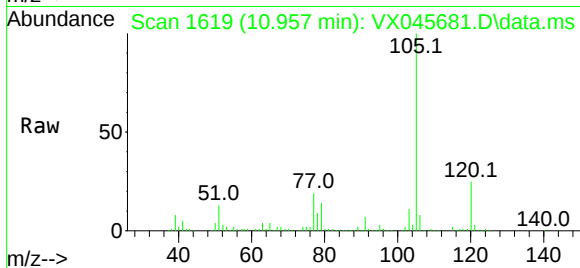




#73
Isopropylbenzene
Concen: 19.479 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

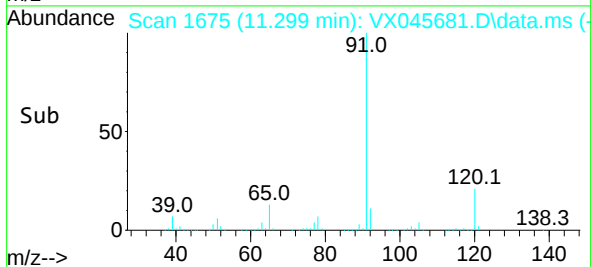
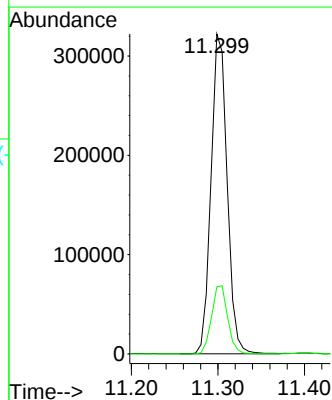
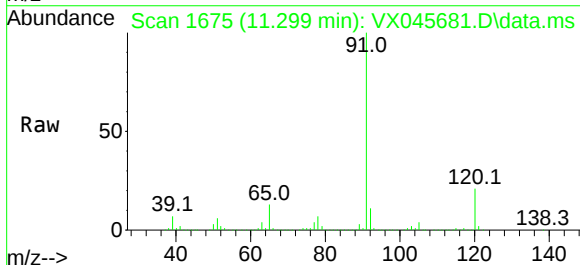
Instrument :
MSVOA_X
ClientSampleId :
MW4

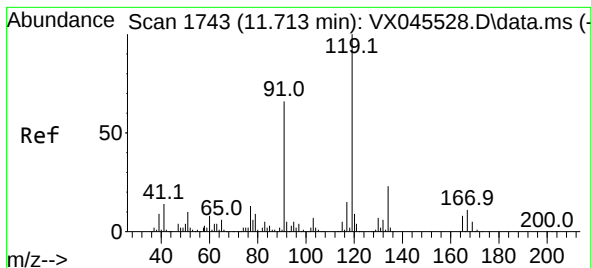
Tgt Ion:105 Resp: 90832
Ion Ratio Lower Upper
105 100
120 25.5 12.7 38.0



#78
n-propylbenzene
Concen: 77.378 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

Tgt Ion: 91 Resp: 415596
Ion Ratio Lower Upper
91 100
120 21.4 10.8 32.3





#83

tert-Butylbenzene

Concen: 2.687 ug/l

RT: 11.713 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045681.D

Acq: 09 Apr 2025 17:16

Instrument :

MSVOA_X

ClientSampleId :

MW4

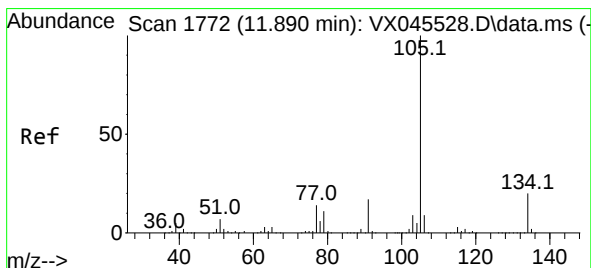
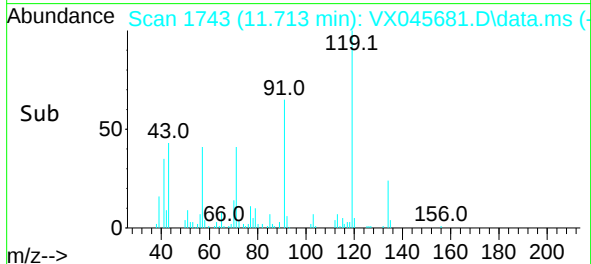
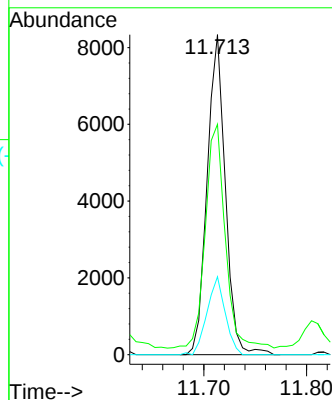
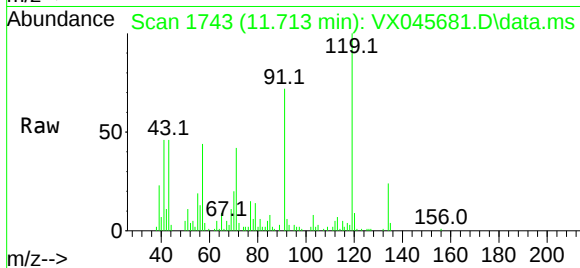
Tgt Ion:119 Resp: 10259

Ion Ratio Lower Upper

119 100

91 76.3 32.4 97.2

134 24.3 11.5 34.5



#85

sec-Butylbenzene

Concen: 21.245 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX045681.D

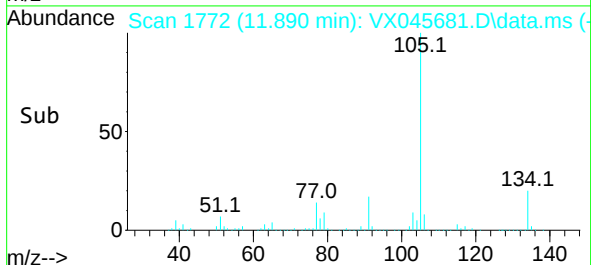
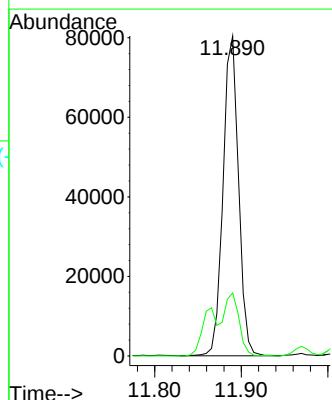
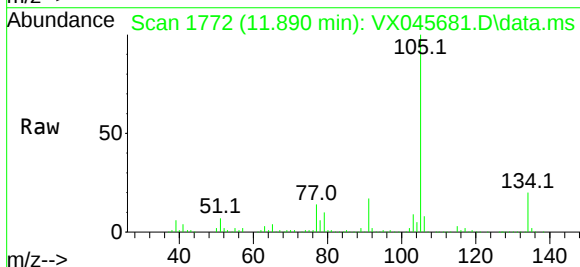
Acq: 09 Apr 2025 17:16

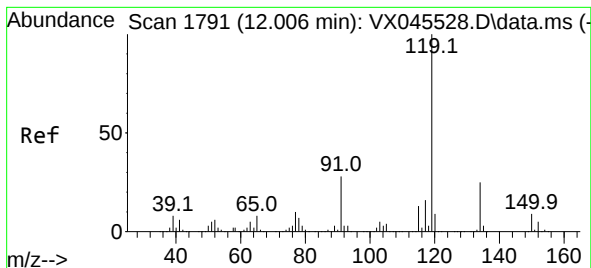
Tgt Ion:105 Resp: 99614

Ion Ratio Lower Upper

105 100

134 19.9 9.6 28.6

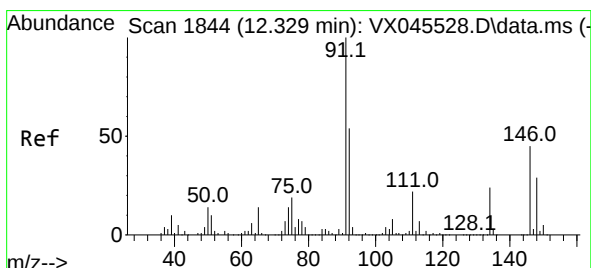
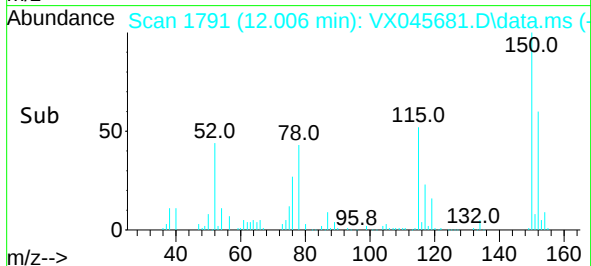
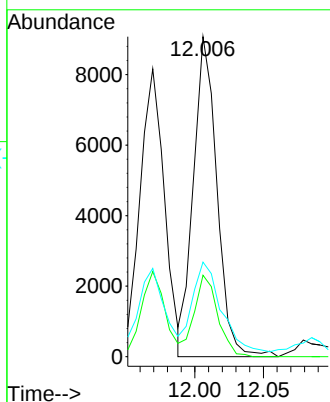
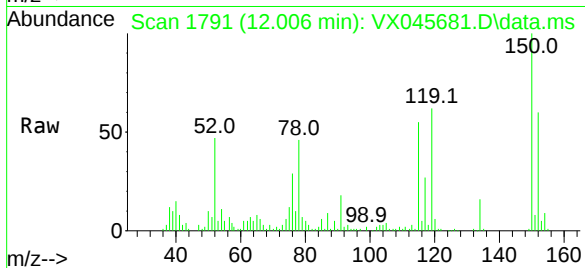




#86
p-Isopropyltoluene
Concen: 2.803 ug/l
RT: 12.006 min Scan# 1191
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

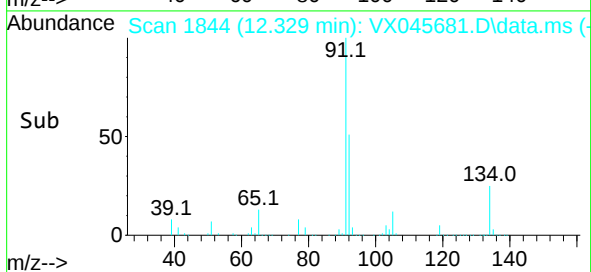
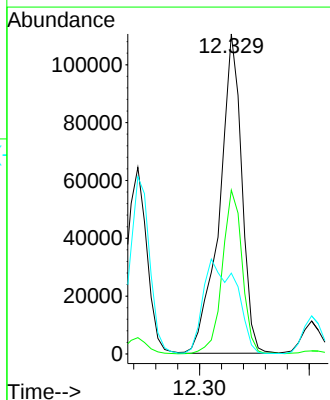
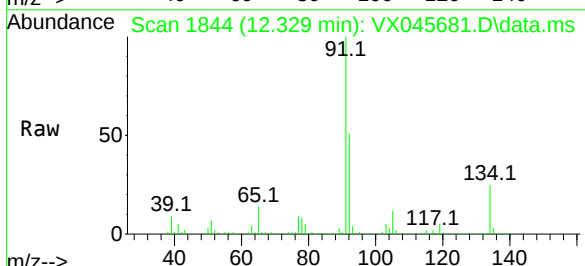
Instrument :
MSVOA_X
ClientSampleId :
MW4

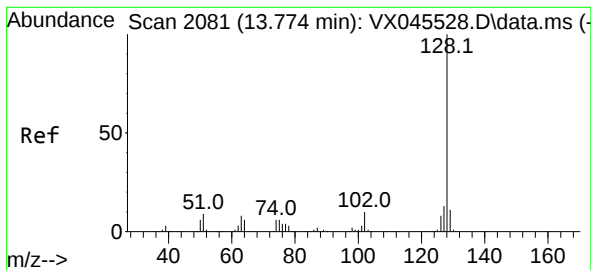
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.8
91	33.8	13.7	41.1



#89
n-Butylbenzene
Concen: 46.435 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

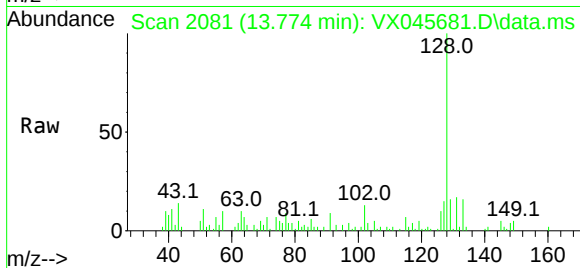
Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.9	26.9	80.6
134	44.0	11.9	35.7





#95
Naphthalene
Concen: 2.801 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045681.D
Acq: 09 Apr 2025 17:16

Instrument :
MSVOA_X
ClientSampleId :
MW4



Tgt Ion:	128	Resp:	11315
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	15.6	8.6	12.8#

