

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050625\
 Data File : VX046056.D
 Acq On : 06 May 2025 12:15
 Operator : JC/MD
 Sample : Q1945-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GB3W

Quant Time: May 07 01:45:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

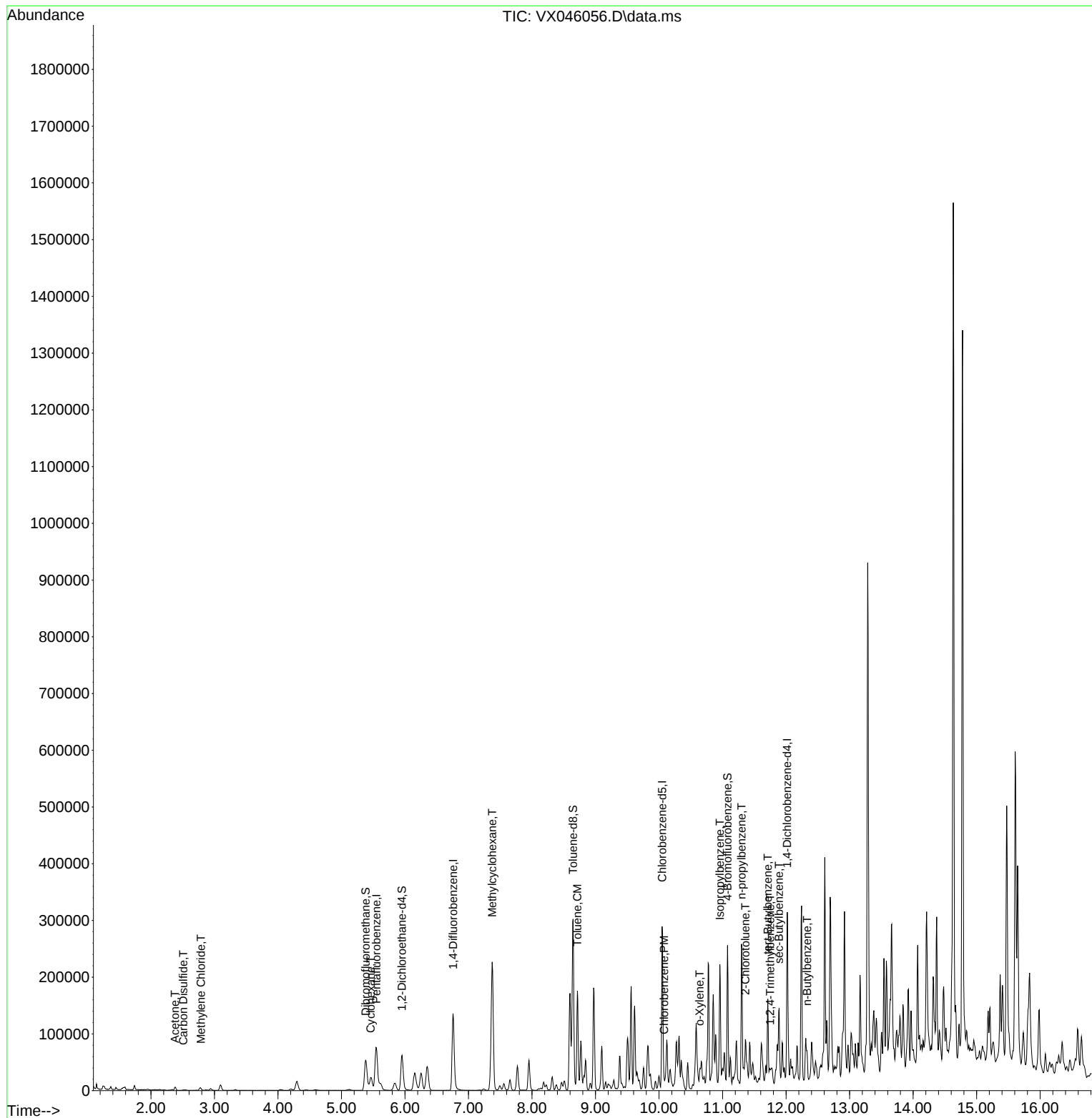
Internal Standards						
1) Pentafluorobenzene	5.550	168	65682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129171	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63984	52.252	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.500%	
35) Dibromofluoromethane	5.379	113	46789	50.302	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.600%	
50) Toluene-d8	8.647	98	164713	51.162	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	11.079	95	63406	51.344	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.680%	
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	6573	13.388	ug/l	97
17) Carbon Disulfide	2.508	76	950	0.515	ug/l	99
20) Methylene Chloride	2.788	84	397	0.422	ug/l #	75
31) Cyclohexane	5.458	56	14312	9.807	ug/l	93
39) Methylcyclohexane	7.373	83	91344	56.771	ug/l	95
52) Toluene	8.714	92	62889	28.017	ug/l	97
65) Chlorobenzene	10.080	112	2654	1.028	ug/l	97
69) o-Xylene	10.640	106	3691	2.275	ug/l	93
73) Isopropylbenzene	10.957	105	99366	23.300	ug/l	100
78) n-propylbenzene	11.299	91	148647	29.977	ug/l	100
79) 2-Chlorotoluene	11.360	91	31633	9.890	ug/l	96
83) tert-Butylbenzene	11.713	119	14133	3.938	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	1888	0.523	ug/l	92
85) sec-Butylbenzene	11.890	105	48543	11.017	ug/l #	77
89) n-Butylbenzene	12.329	91	17031	5.338	ug/l	92

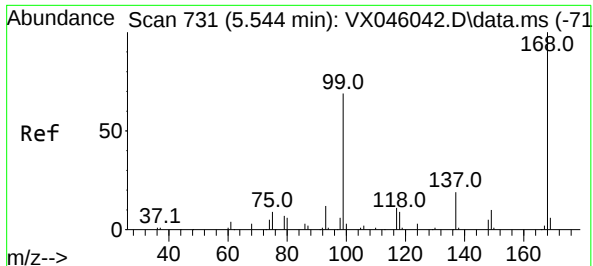
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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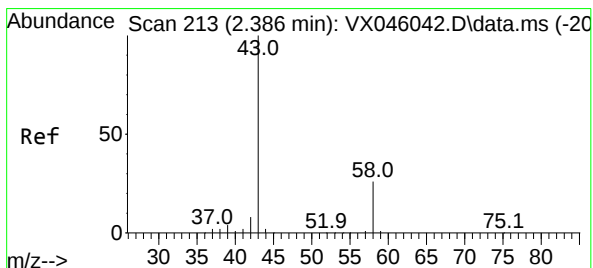
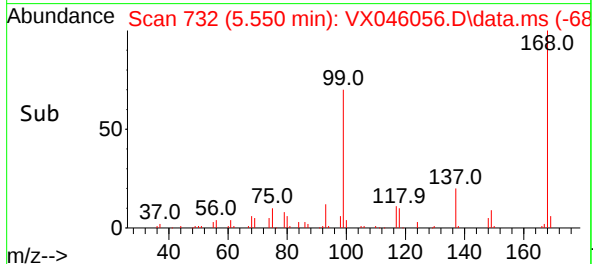
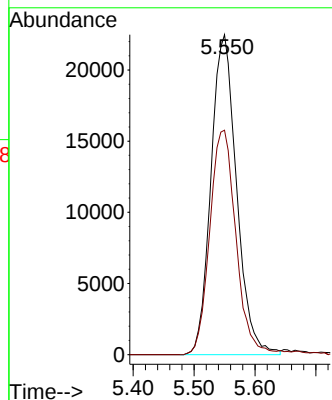
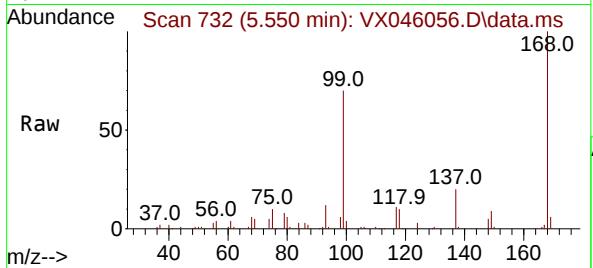




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

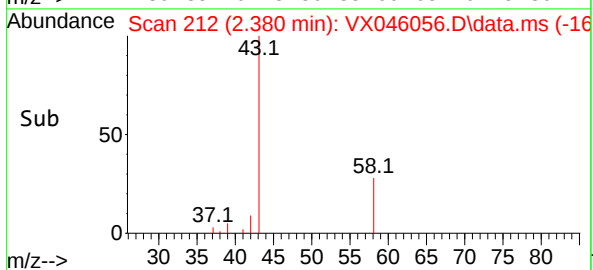
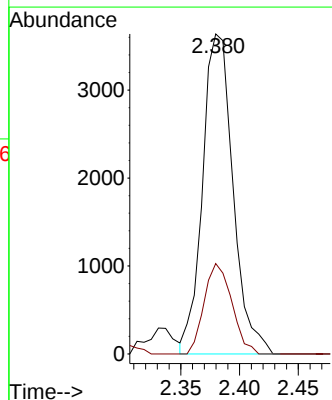
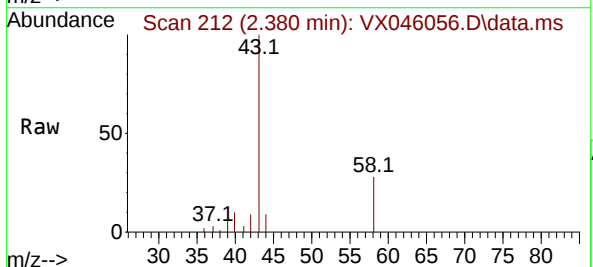
Instrument :
MSVOA_X
ClientSampleId :
GB3W

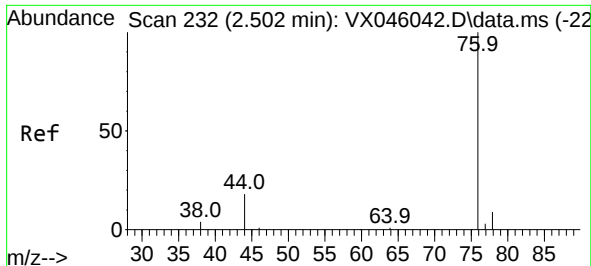
Tgt Ion:168 Resp: 65682
Ion Ratio Lower Upper
168 100
99 70.2 54.9 82.3



#16
Acetone
Concen: 13.388 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

Tgt Ion: 43 Resp: 6573
Ion Ratio Lower Upper
43 100
58 28.3 21.2 31.8

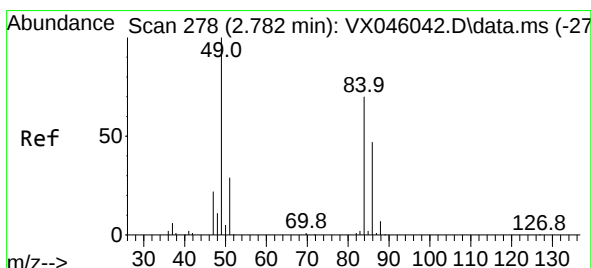
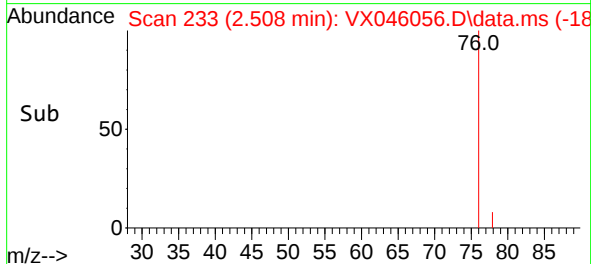
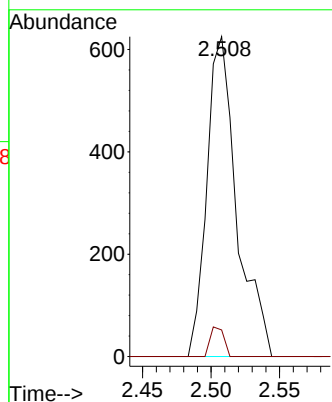
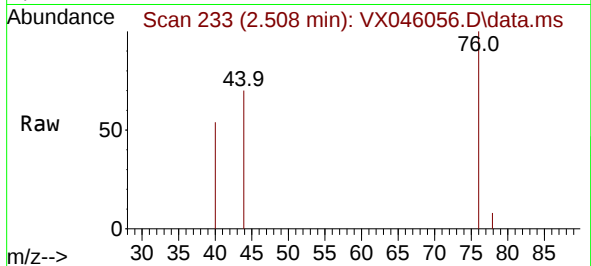




#17
Carbon Disulfide
Concen: 0.515 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

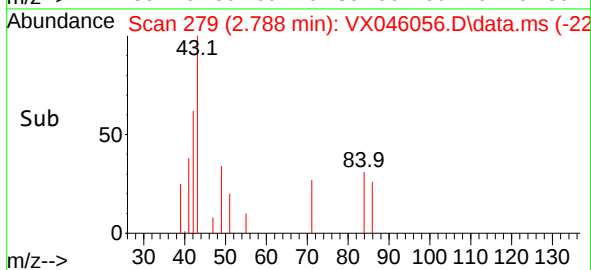
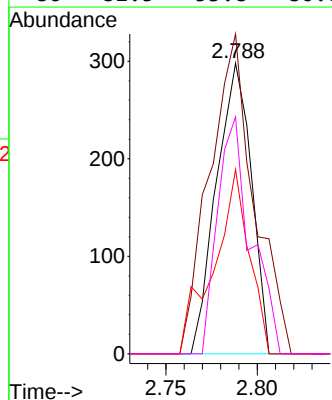
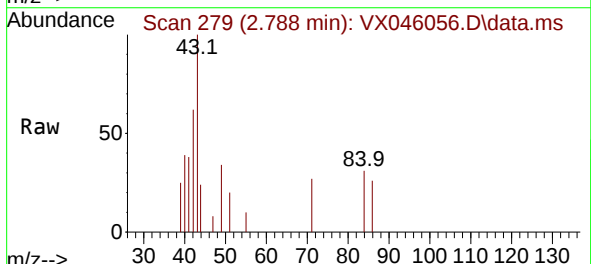
Instrument :
MSVOA_X
ClientSampleId :
GB3W

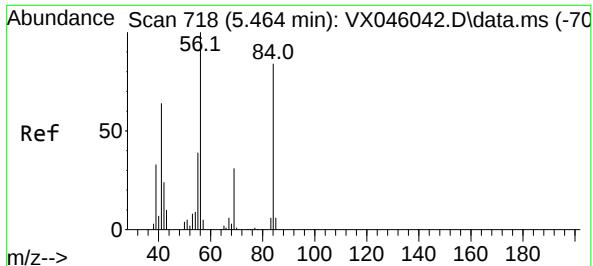
Tgt Ion: 76 Resp: 950
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4



#20
Methylene Chloride
Concen: 0.422 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

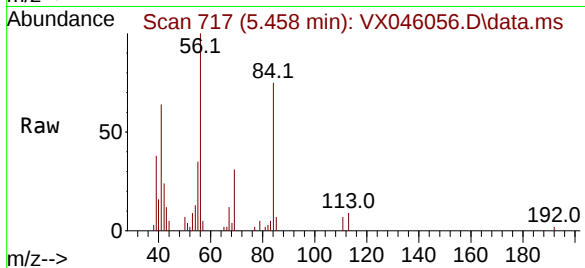
Tgt Ion: 84 Resp: 397
Ion Ratio Lower Upper
84 100
49 110.1 113.9 170.9#
51 63.4 33.5 50.3#
86 81.5 53.8 80.8#



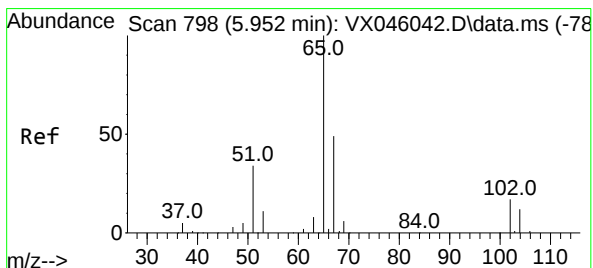
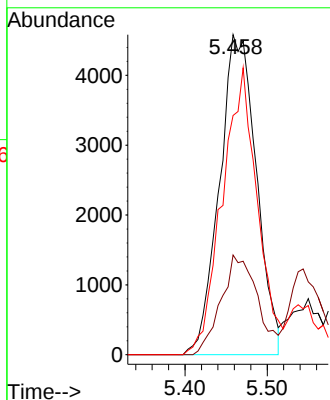
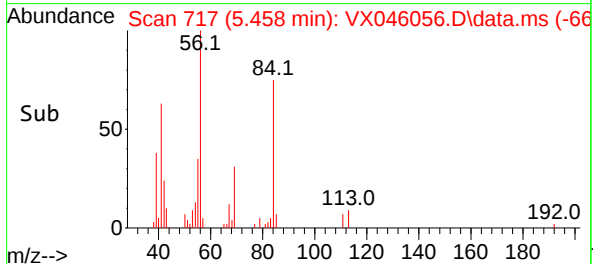


#31
Cyclohexane
Concen: 9.807 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :
GB3W

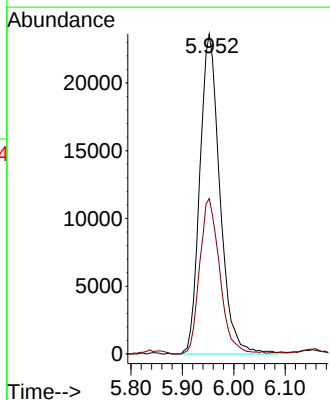
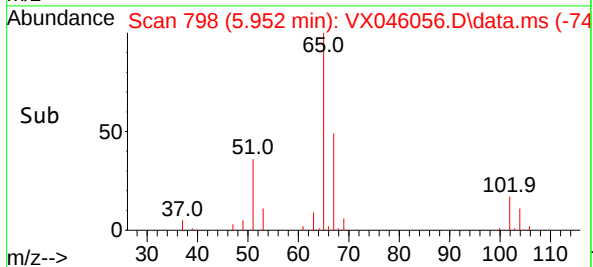
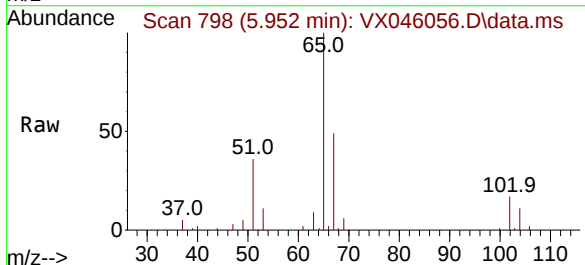


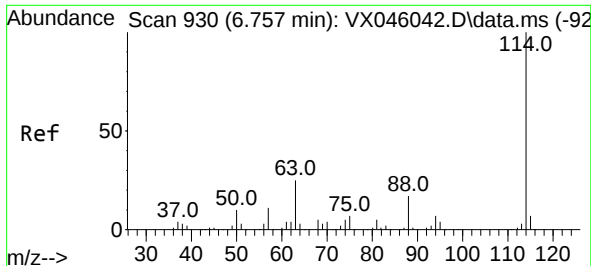
Tgt Ion: 56 Resp: 14312
Ion Ratio Lower Upper
56 100
69 31.1 24.4 36.6
84 74.8 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 52.252 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

Tgt Ion: 65 Resp: 63984
Ion Ratio Lower Upper
65 100
67 48.8 0.0 99.0

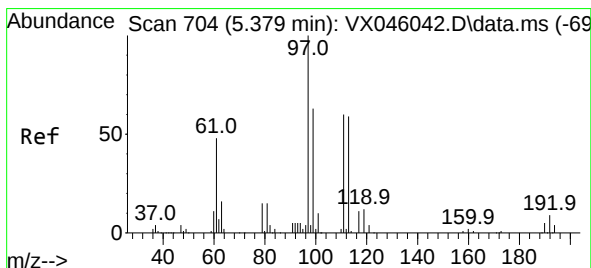
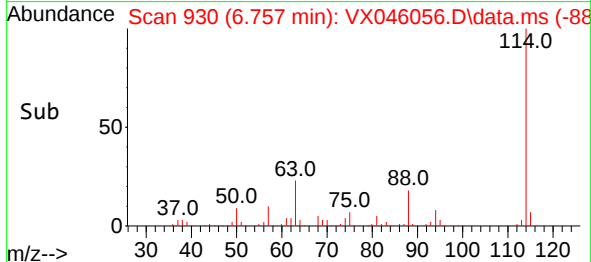
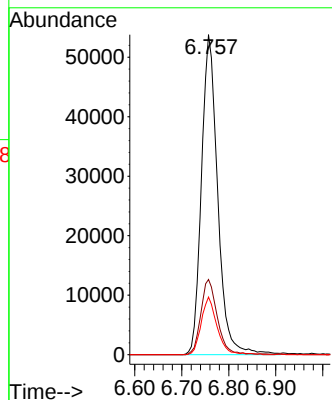
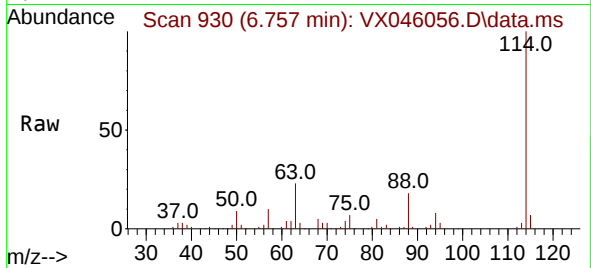




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

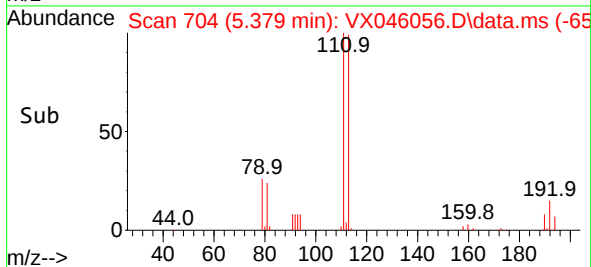
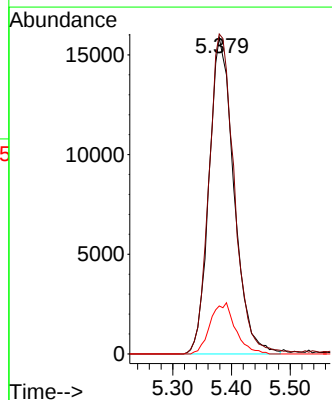
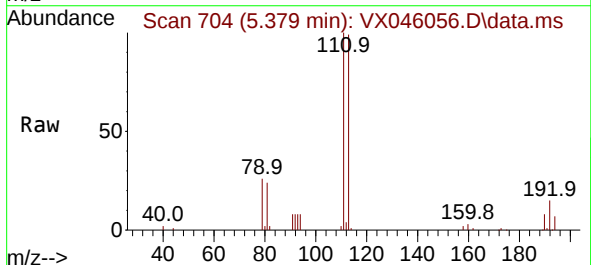
Instrument :
MSVOA_X
ClientSampleId :
GB3W

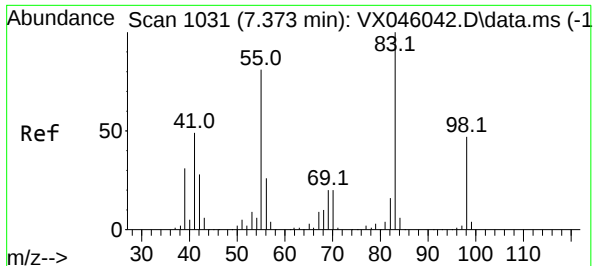
Tgt Ion:114 Resp: 129171
Ion Ratio Lower Upper
114 100
63 23.5 0.0 49.2
88 18.0 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.302 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

Tgt Ion:113 Resp: 46789
Ion Ratio Lower Upper
113 100
111 102.8 83.1 124.7
192 16.4 13.3 19.9





#39

Methylcyclohexane

Concen: 56.771 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

Instrument :

MSVOA_X

ClientSampleId :

GB3W

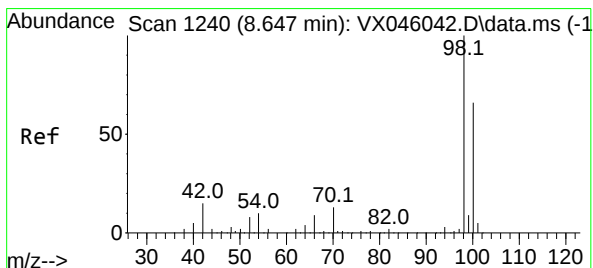
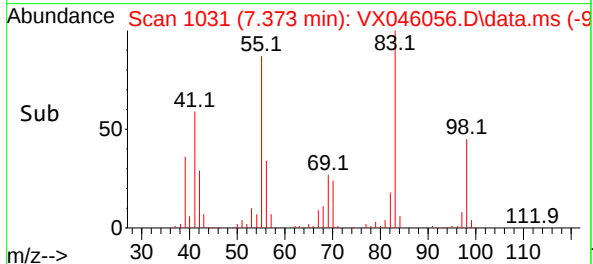
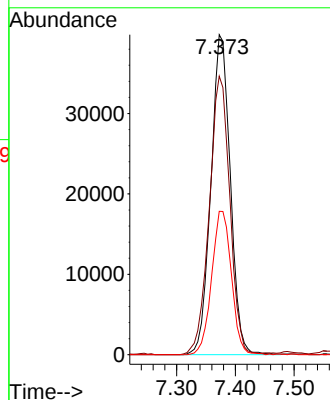
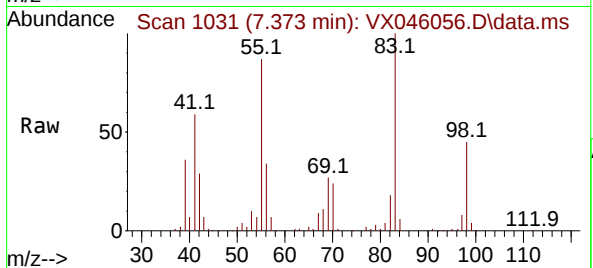
Tgt Ion: 83 Resp: 91344

Ion Ratio Lower Upper

83 100

55 87.1 64.7 97.1

98 44.8 37.4 56.2



#50

Toluene-d8

Concen: 51.162 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046056.D

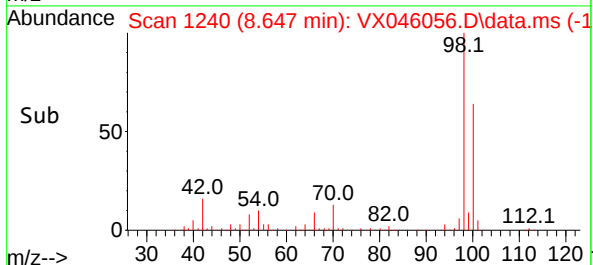
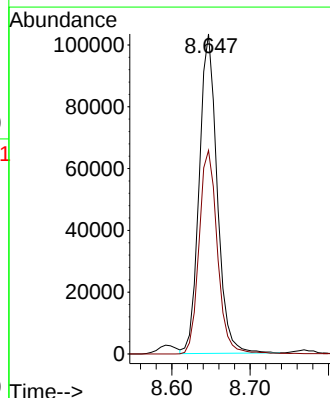
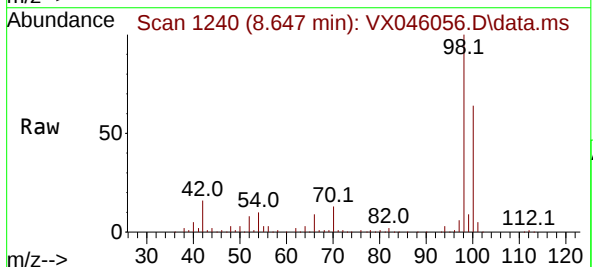
Acq: 06 May 2025 12:15

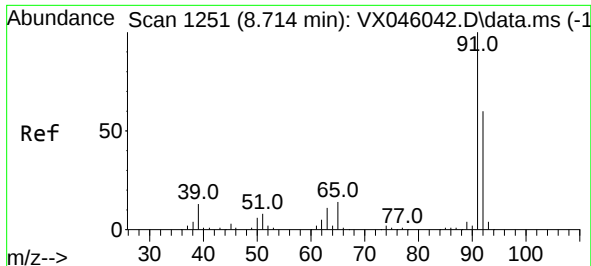
Tgt Ion: 98 Resp: 164713

Ion Ratio Lower Upper

98 100

100 65.4 53.5 80.3

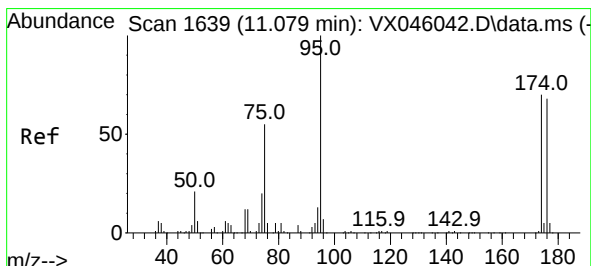
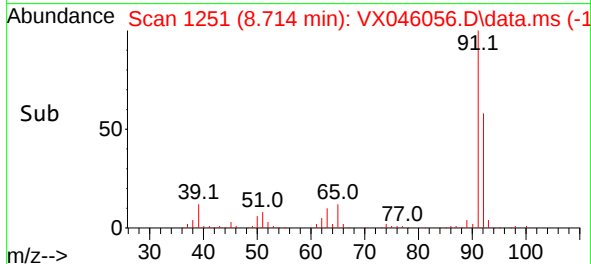
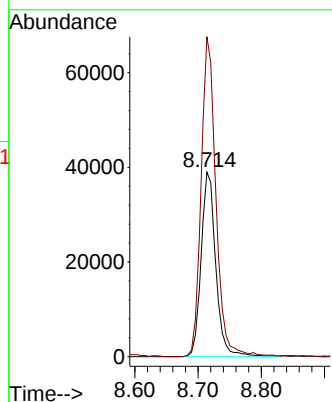
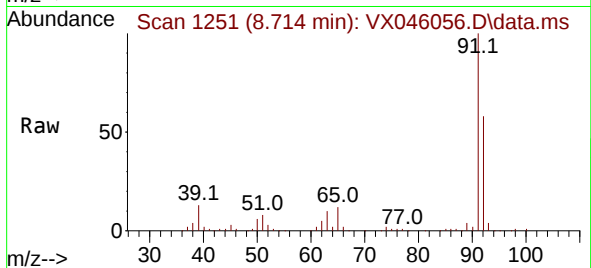




#52
Toluene
Concen: 28.017 ug/l
RT: 8.714 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

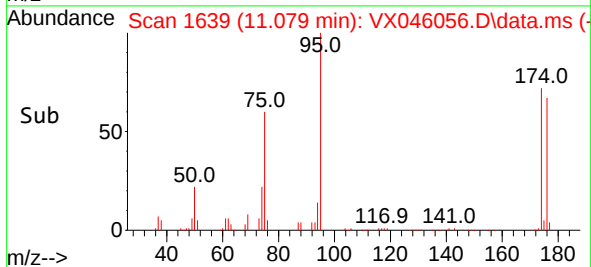
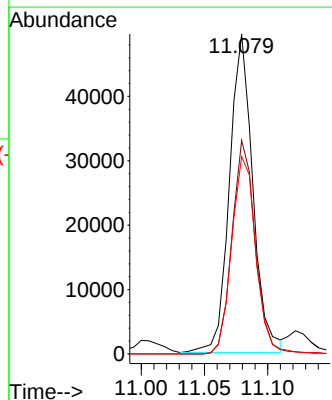
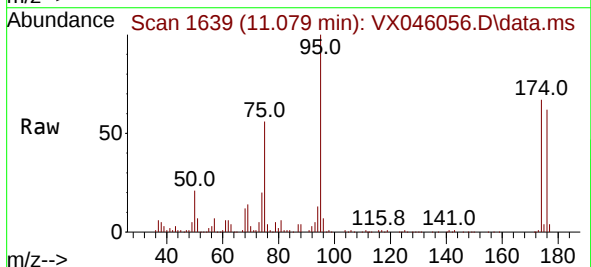
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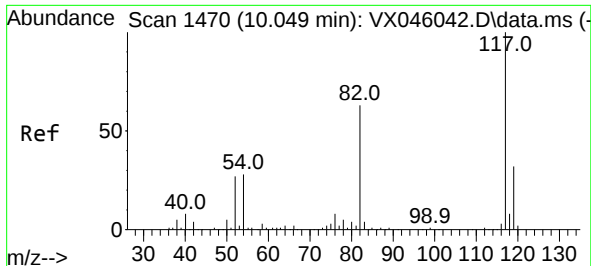
Tgt Ion: 92 Resp: 62889
Ion Ratio Lower Upper
92 100
91 175.4 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 51.344 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

Tgt Ion: 95 Resp: 63406
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.8
176 64.6 0.0 131.4

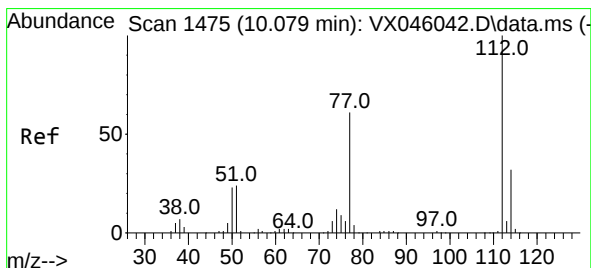
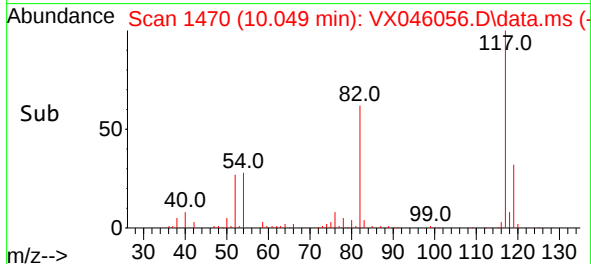
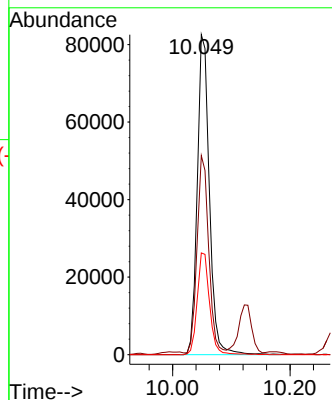
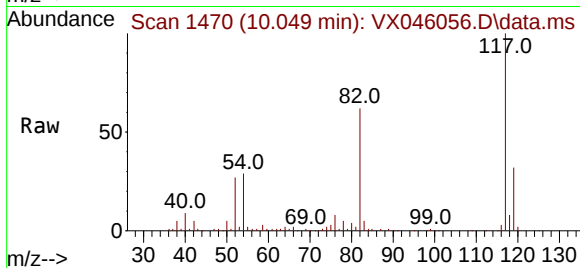




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

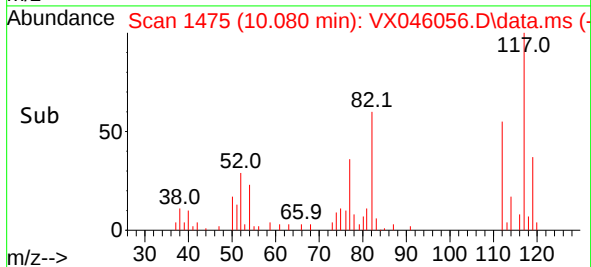
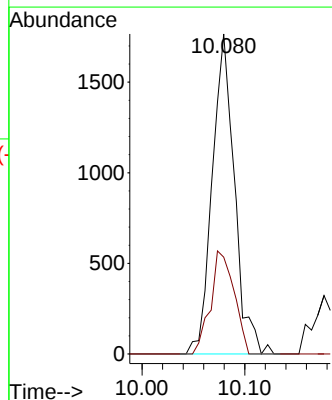
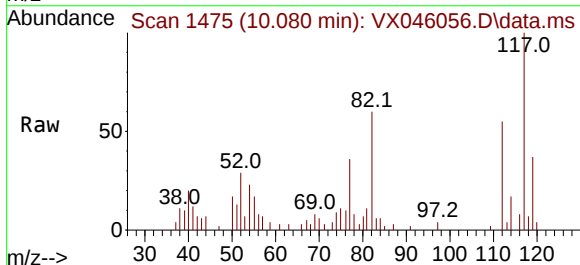
Instrument :
MSVOA_X
ClientSampleId :
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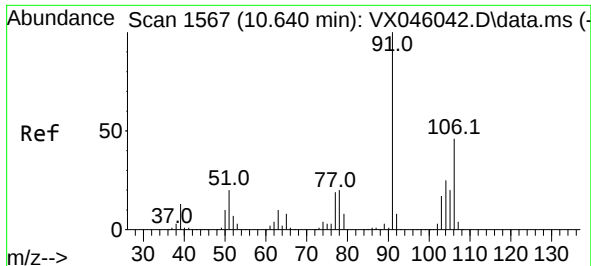
Tgt Ion:117 Resp: 117957
Ion Ratio Lower Upper
117 100
82 61.5 50.6 76.0
119 31.8 25.8 38.6



#65
Chlorobenzene
Concen: 1.028 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

Tgt Ion:112 Resp: 2654
Ion Ratio Lower Upper
112 100
114 30.2 25.4 38.2

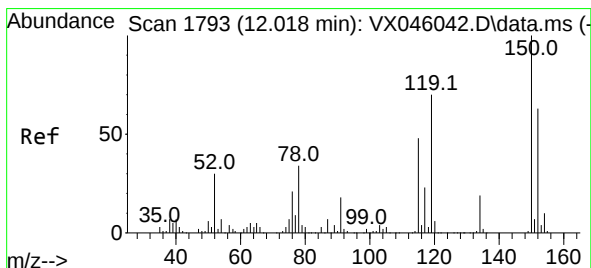
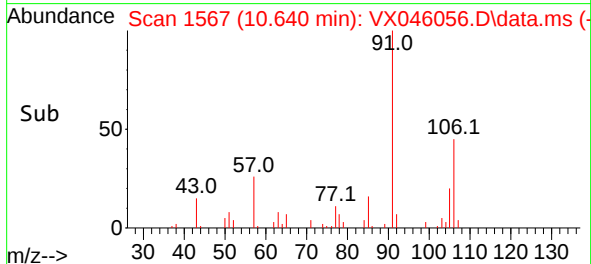
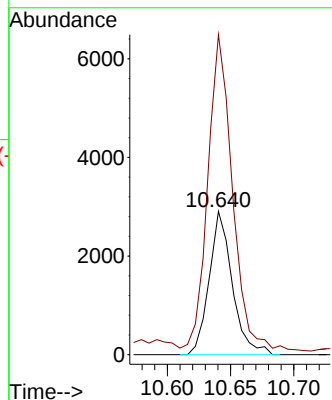
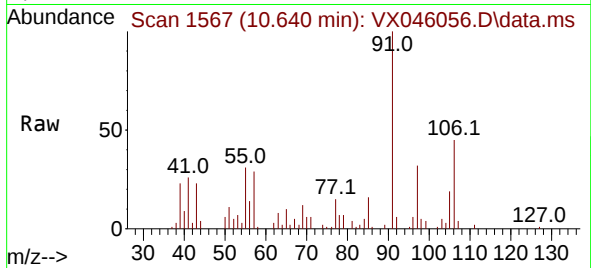




#69
o-Xylene
Concen: 2.275 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

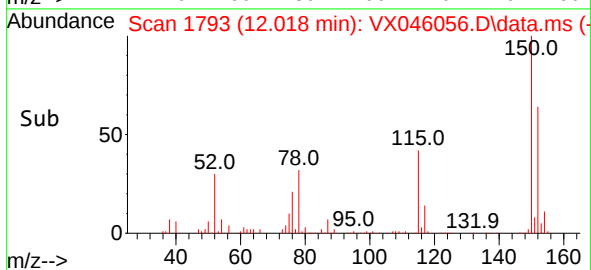
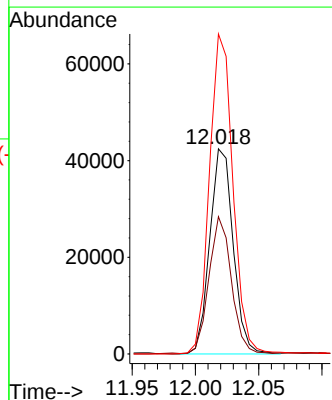
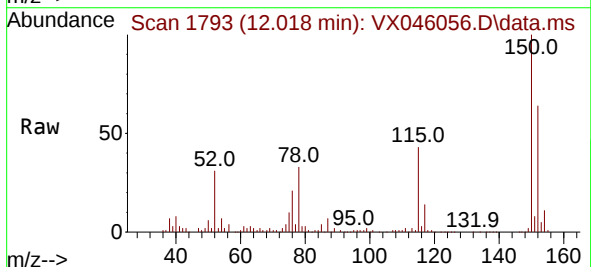
Instrument :
MSVOA_X
ClientSampleId :
GB3W

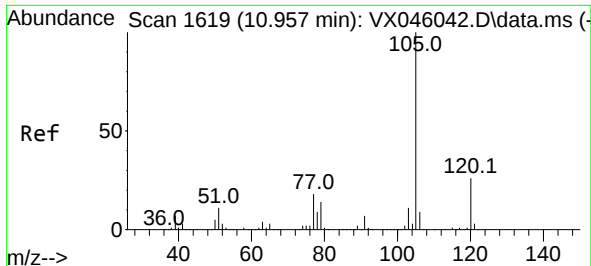
Tgt Ion:106 Resp: 3691
Ion Ratio Lower Upper
106 100
91 236.6 112.7 338.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

Tgt Ion:152 Resp: 54778
Ion Ratio Lower Upper
152 100
115 64.5 46.9 140.7
150 156.9 0.0 351.0

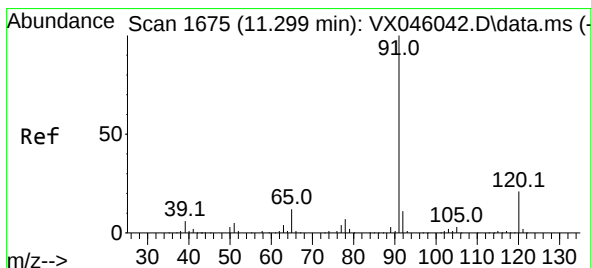
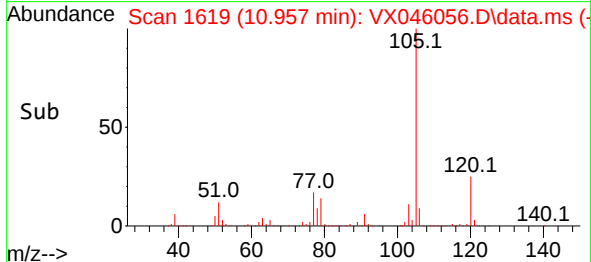
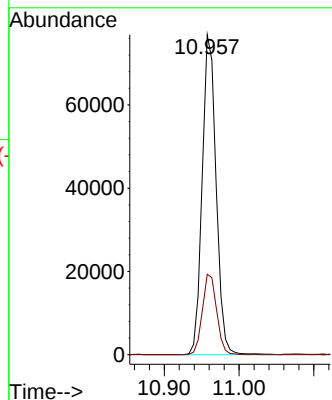
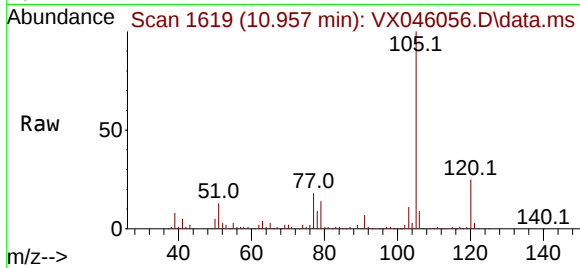




#73
Isopropylbenzene
Concen: 23.300 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

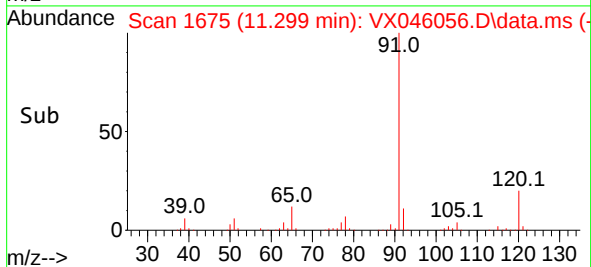
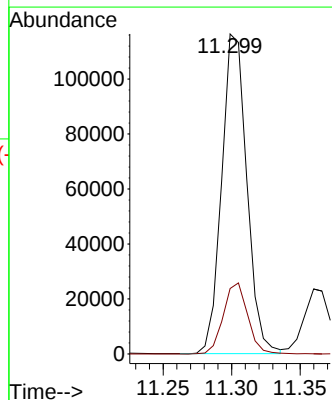
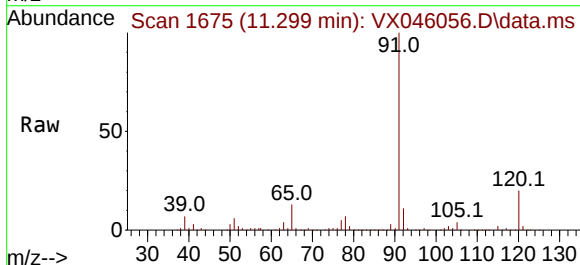
Instrument :
MSVOA_X
ClientSampleId :
GB3W

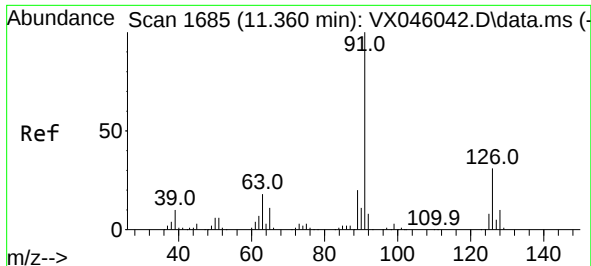
Tgt Ion:105 Resp: 99366
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4



#78
n-propylbenzene
Concen: 29.977 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

Tgt Ion: 91 Resp: 148647
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.4

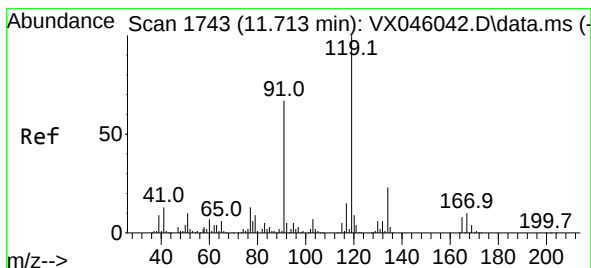
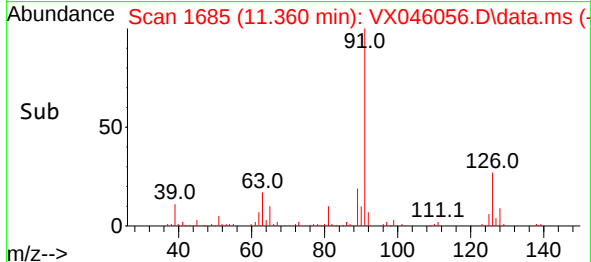
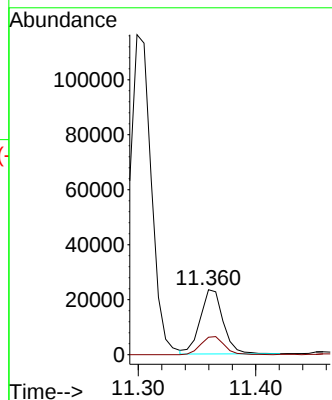
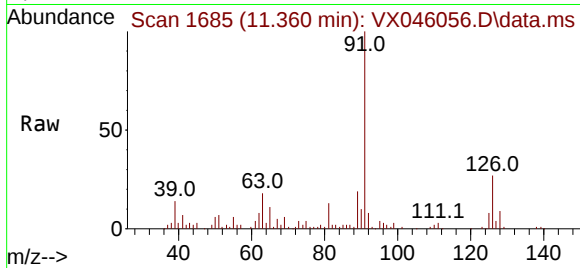




#79
2-Chlorotoluene
Concen: 9.890 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

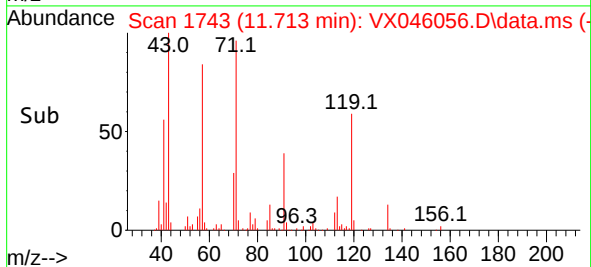
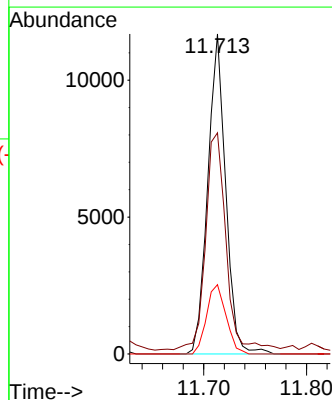
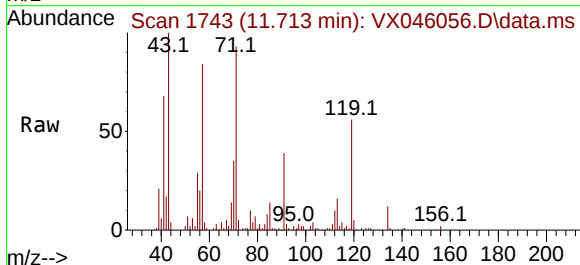
Instrument :
MSVOA_X
ClientSampleId :
GB3W

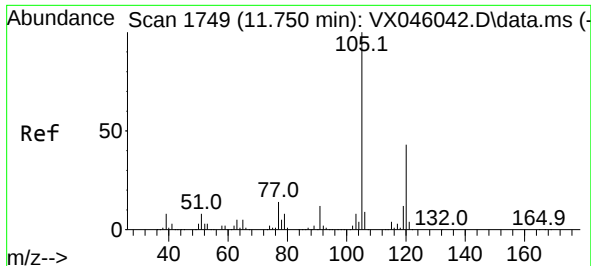
Tgt Ion: 91 Resp: 31633
Ion Ratio Lower Upper
91 100
126 29.0 15.6 46.7



#83
tert-Butylbenzene
Concen: 3.938 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

Tgt Ion: 119 Resp: 14133
Ion Ratio Lower Upper
119 100
91 76.1 32.9 98.7
134 23.6 11.4 34.1

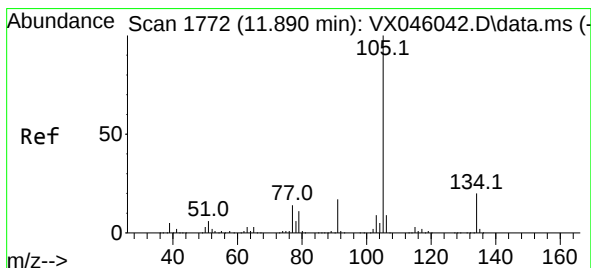
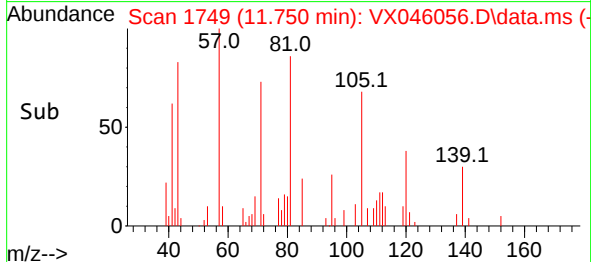
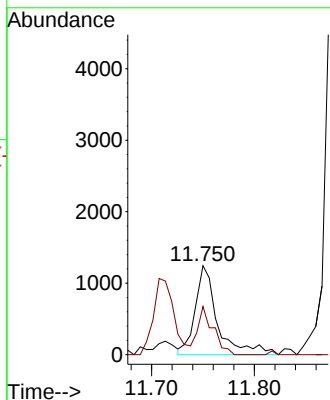
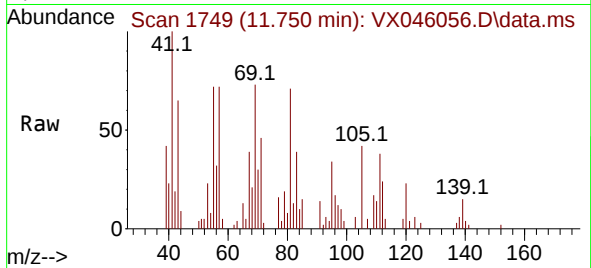




#84
1,2,4-Trimethylbenzene
Concen: 0.523 ug/l
RT: 11.750 min Scan# 11749
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

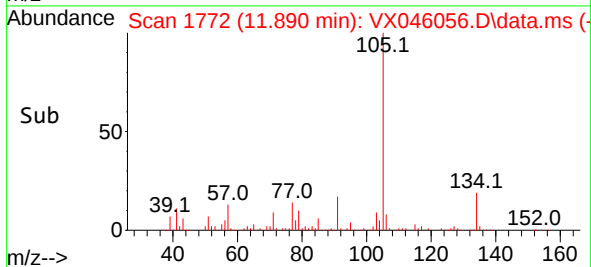
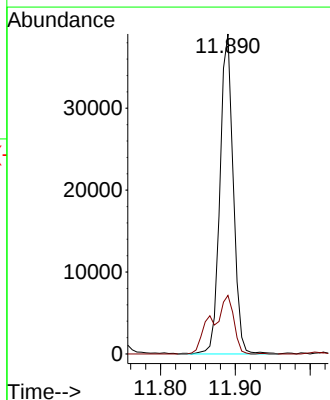
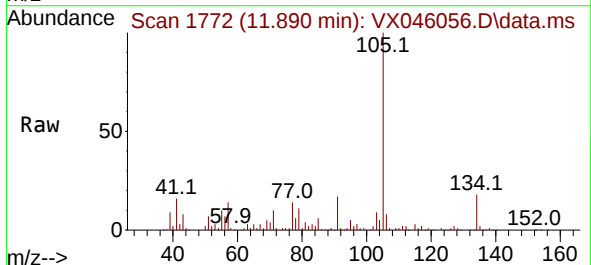
Instrument :
MSVOA_X
ClientSampleId :
GB3W

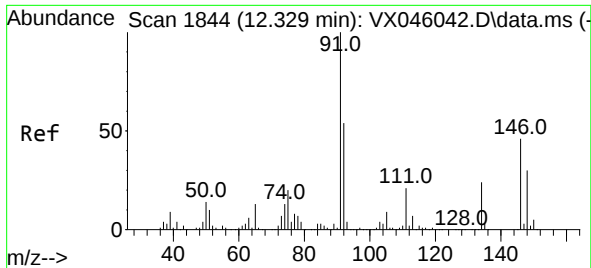
Tgt Ion:105 Resp: 1888
Ion Ratio Lower Upper
105 100
120 37.1 21.2 63.6



#85
sec-Butylbenzene
Concen: 11.017 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX046056.D
Acq: 06 May 2025 12:15

Tgt Ion:105 Resp: 48543
Ion Ratio Lower Upper
105 100
134 30.0 9.7 29.1#





#89

n-Butylbenzene

Concen: 5.338 ug/l

RT: 12.329 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

Instrument :

MSVOA_X

ClientSampleId :

GB3W

Tgt Ion: 91 Resp: 17031

Ion Ratio Lower Upper

91 100

92 48.1 26.9 80.7

134 20.3 11.8 35.3

