

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046493.D
 Acq On : 04 Jun 2025 12:18
 Operator : JC/MD
 Sample : Q2168-08DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B3DL

Quant Time: Jun 05 01:45:28 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)

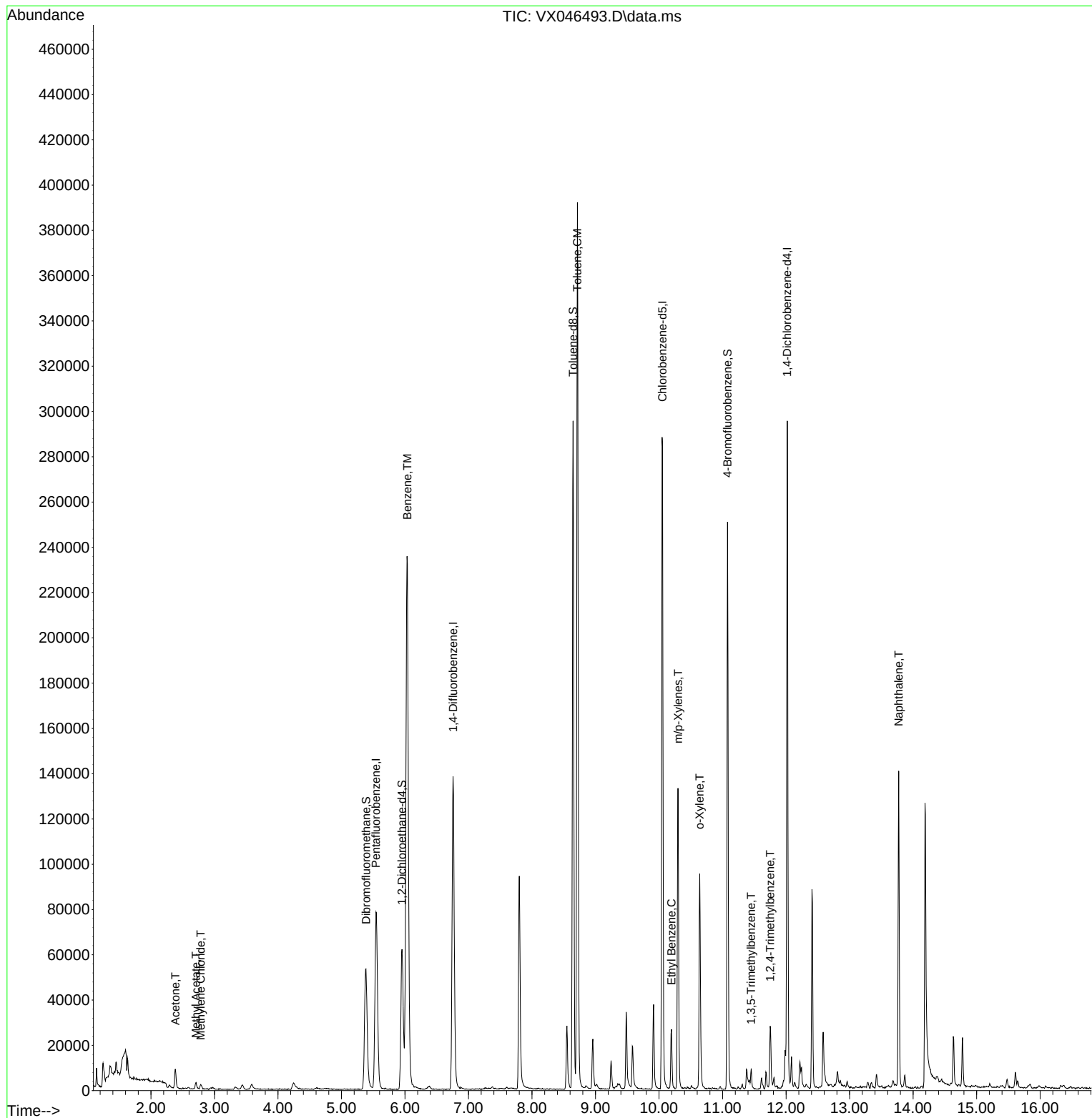
Internal Standards							
1) Pentafluorobenzene		5.544	168	67557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		6.757	114	132205	50.000	ug/l	0.00
63) Chlorobenzene-d5		10.055	117	125005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		12.018	152	54209	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		5.952	65	64466	51.185	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.360%		
35) Dibromofluoromethane		5.385	113	47627	50.028	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%		
50) Toluene-d8		8.647	98	166570	50.552	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.100%		
62) 4-Bromofluorobenzene		11.079	95	65487	51.812	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.620%		
Target Compounds							
						Qvalue	
16) Acetone		2.386	43	9366	18.547	ug/l	99
18) Methyl Acetate		2.709	43	3703	3.160	ug/l	97
20) Methylene Chloride		2.782	84	980	1.013	ug/l	96
40) Benzene		6.037	78	276627	73.832	ug/l	100
52) Toluene		8.714	92	140536	61.172	ug/l	100
67) Ethyl Benzene		10.195	91	15948	3.307	ug/l	96
68) m/p-Xylenes		10.299	106	28401	16.101	ug/l	98
69) o-Xylene		10.640	106	17688	10.286	ug/l	96
80) 1,3,5-Trimethylbenzene		11.451	105	3920	1.112	ug/l	93
84) 1,2,4-Trimethylbenzene		11.750	105	13034	3.650	ug/l	89
95) Naphthalene		13.774	128	80094	21.189	ug/l	99

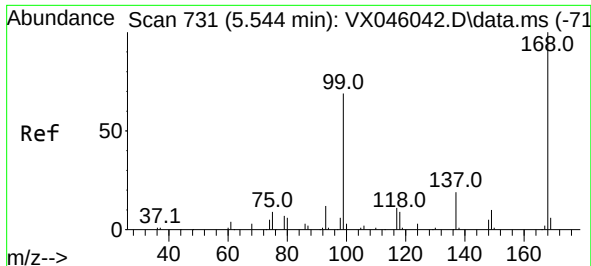
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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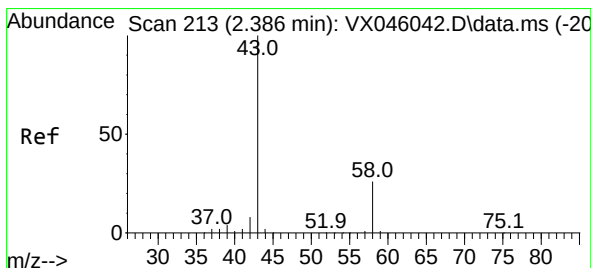
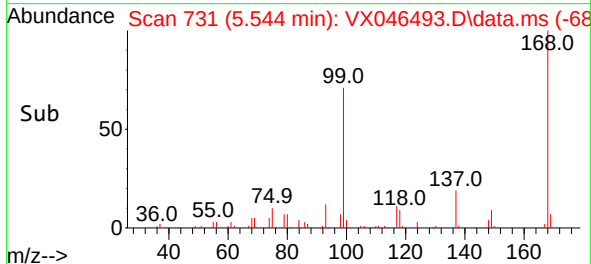
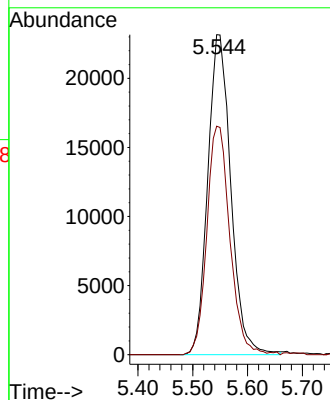
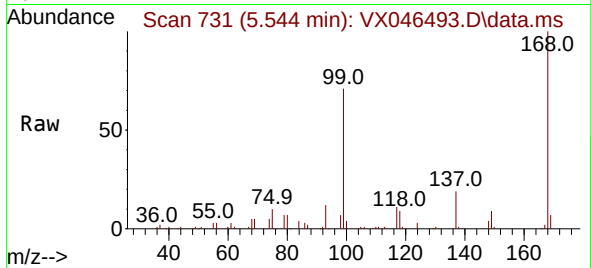




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

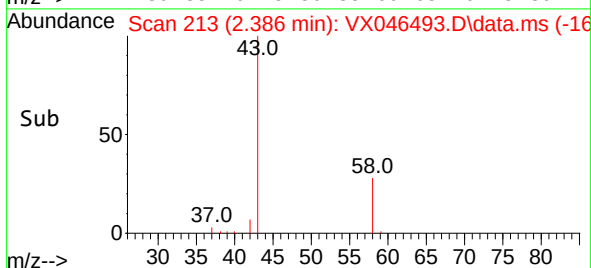
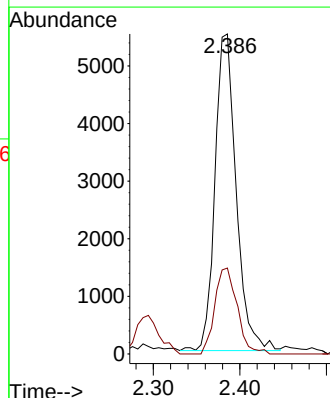
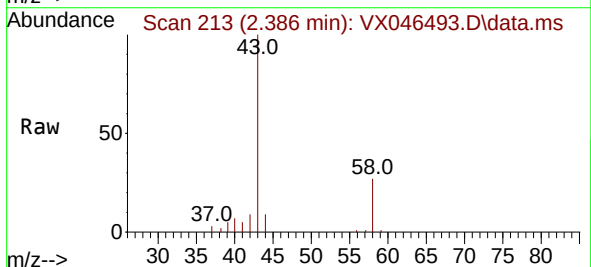
Instrument :
MSVOA_X
ClientSampleId :
B3DL

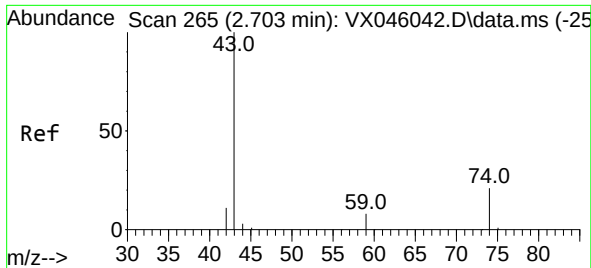
Tgt Ion:168 Resp: 67557
Ion Ratio Lower Upper
168 100
99 71.4 54.9 82.3



#16
Acetone
Concen: 18.547 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

Tgt Ion: 43 Resp: 9366
Ion Ratio Lower Upper
43 100
58 27.1 21.2 31.8

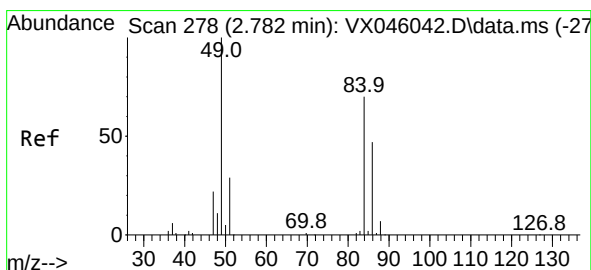
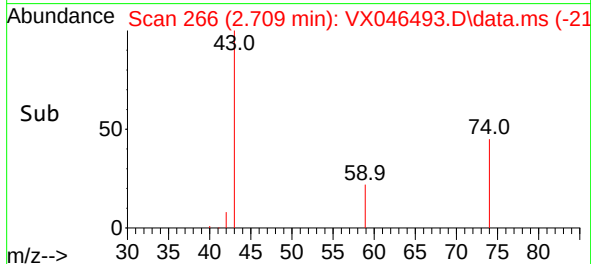
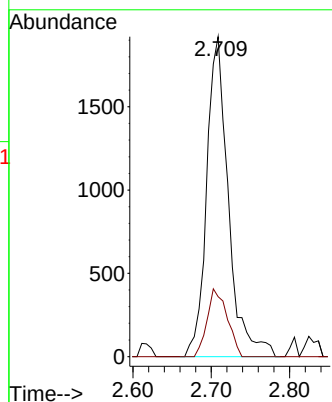
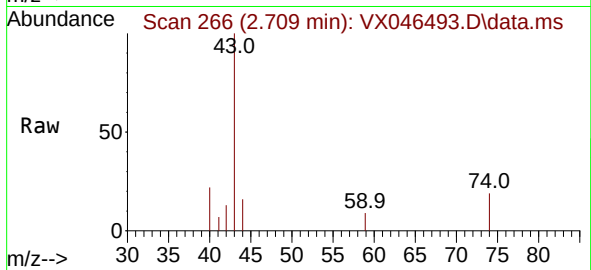




#18
Methyl Acetate
Concen: 3.160 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

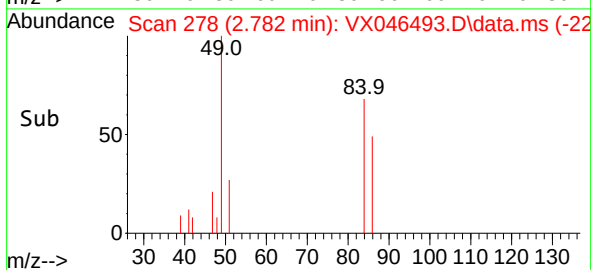
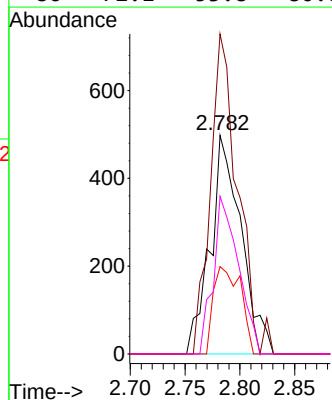
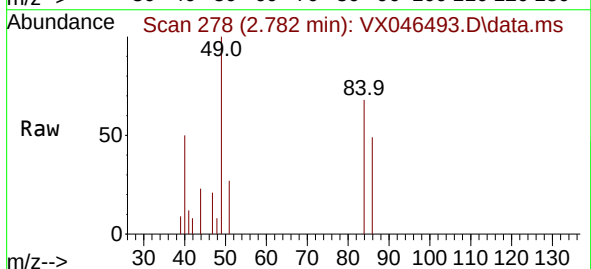
Instrument :
MSVOA_X
ClientSampleId :
B3DL

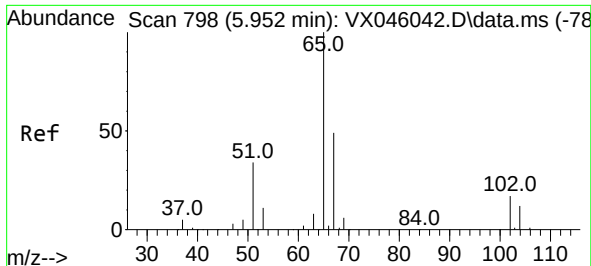
Tgt Ion: 43 Resp: 3703
Ion Ratio Lower Upper
43 100
74 19.5 16.7 25.1



#20
Methylene Chloride
Concen: 1.013 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

Tgt Ion: 84 Resp: 980
Ion Ratio Lower Upper
84 100
49 146.4 113.9 170.9
51 40.0 33.5 50.3
86 72.1 53.8 80.8





#33

1,2-Dichloroethane-d4

Concen: 51.185 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046493.D

Acq: 04 Jun 2025 12:18

Instrument :

MSVOA_X

ClientSampleId :

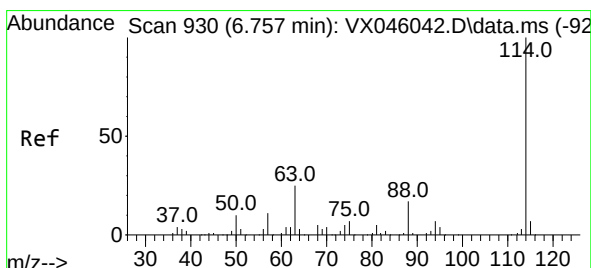
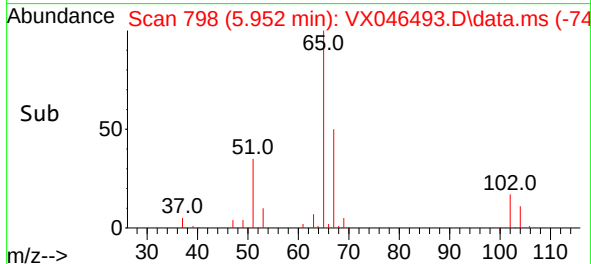
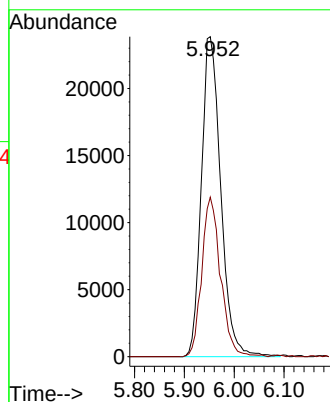
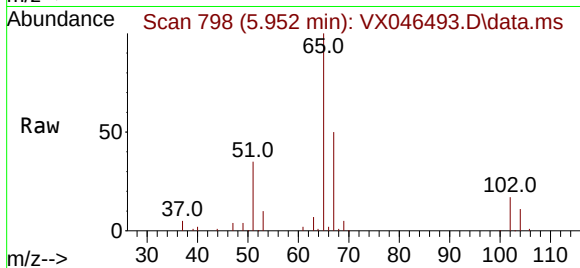
B3DL

Tgt Ion: 65 Resp: 64466

Ion Ratio Lower Upper

65 100

67 48.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046493.D

Acq: 04 Jun 2025 12:18

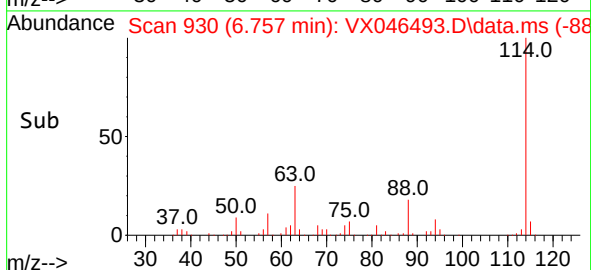
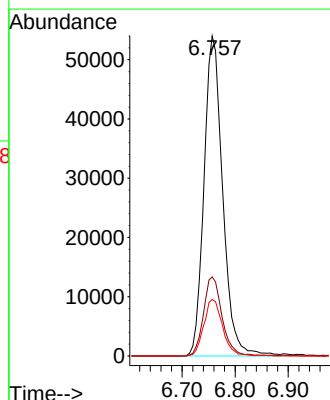
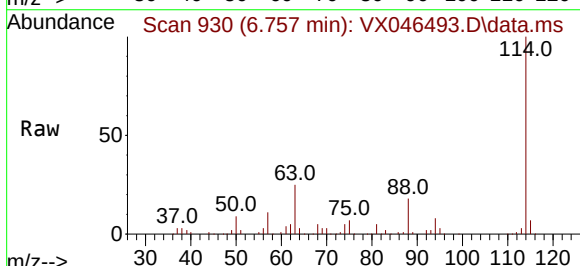
Tgt Ion: 114 Resp: 132205

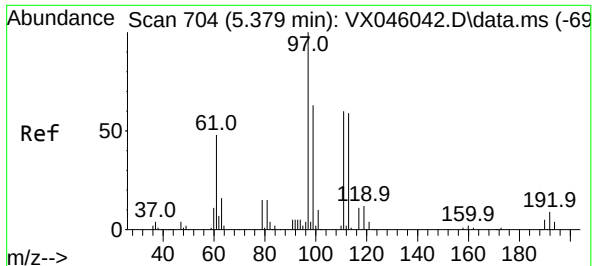
Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

88 17.6 0.0 33.6

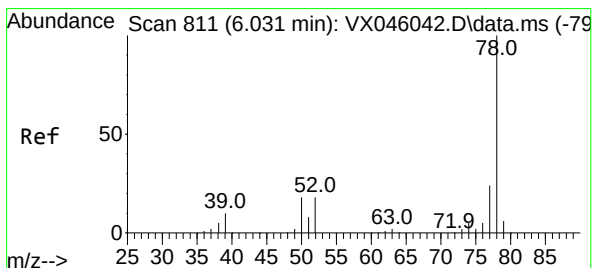
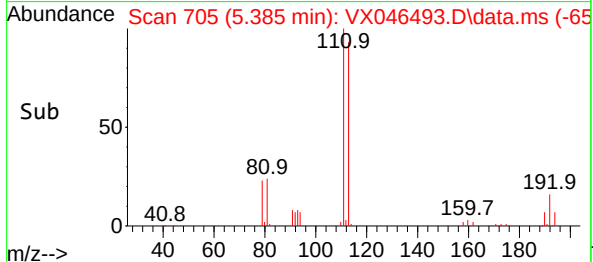
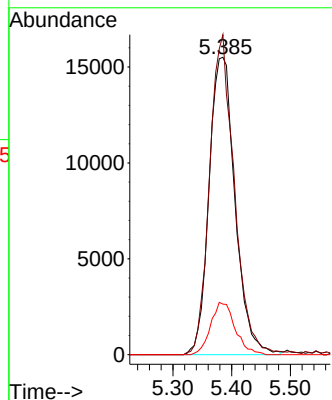
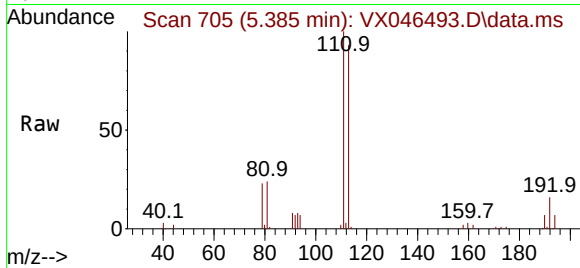




#35
Dibromofluoromethane
Concen: 50.028 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

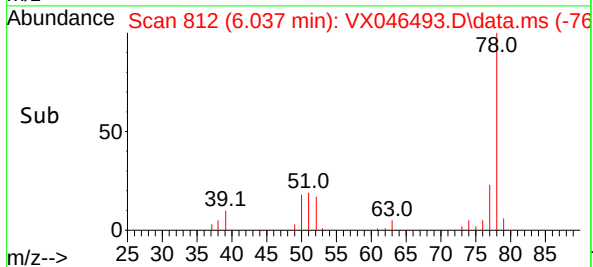
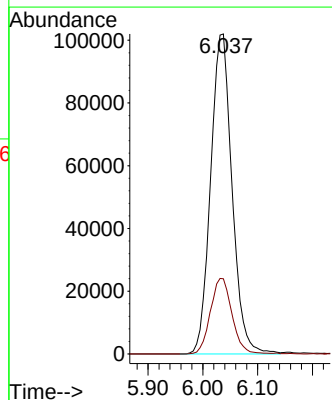
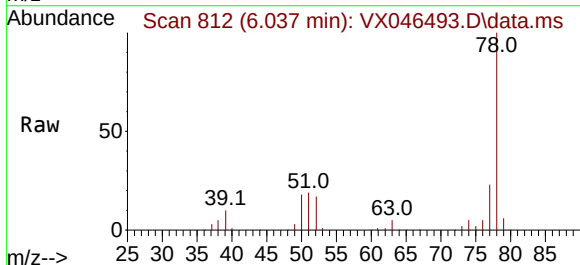
Instrument :
MSVOA_X
ClientSampleId :
B3DL

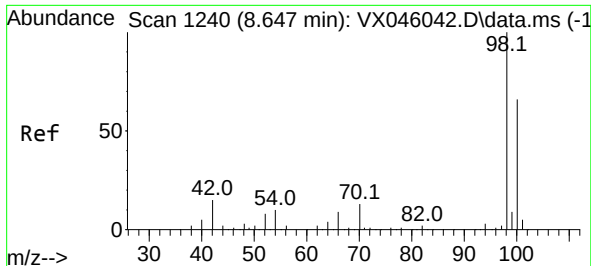
Tgt Ion:113 Resp: 47627
Ion Ratio Lower Upper
113 100
111 102.6 83.1 124.7
192 16.5 13.3 19.9



#40
Benzene
Concen: 73.832 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

Tgt Ion: 78 Resp: 276627
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

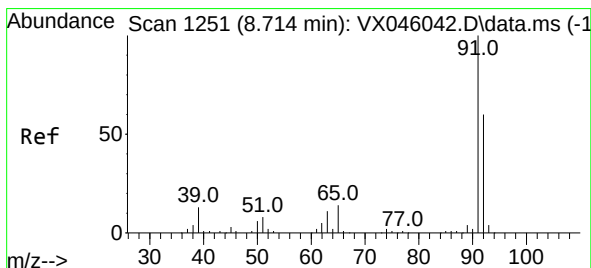
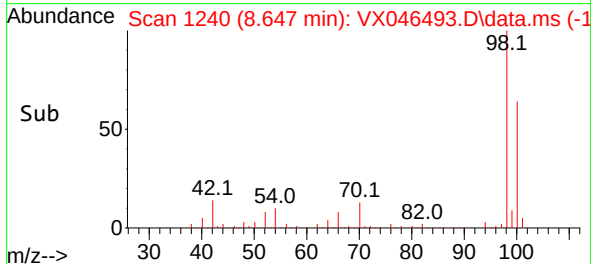
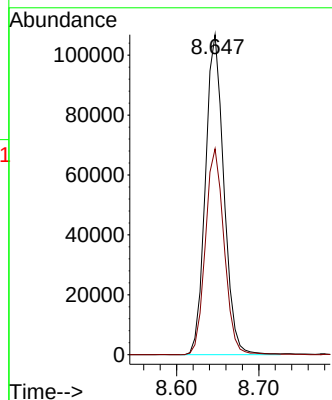
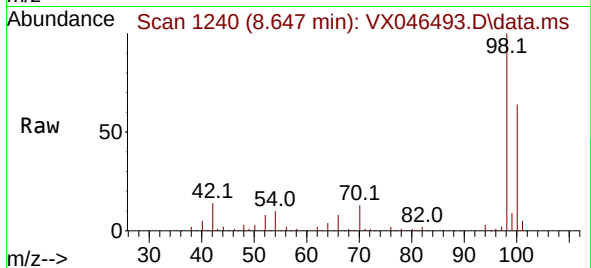




#50
Toluene-d8
Concen: 50.552 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

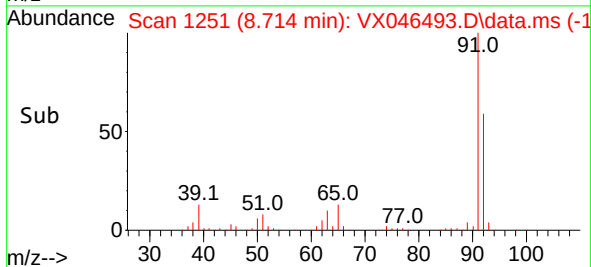
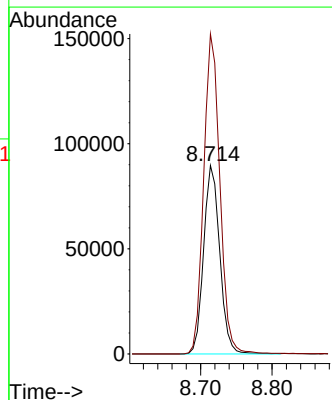
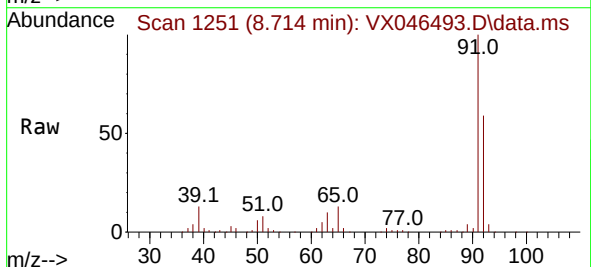
Instrument :
MSVOA_X
ClientSampleId :
B3DL

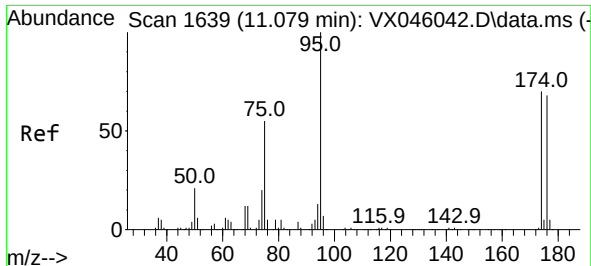
Tgt Ion: 98 Resp: 166570
Ion Ratio Lower Upper
98 100
100 65.4 53.5 80.3



#52
Toluene
Concen: 61.172 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

Tgt Ion: 92 Resp: 140536
Ion Ratio Lower Upper
92 100
91 170.6 136.6 205.0

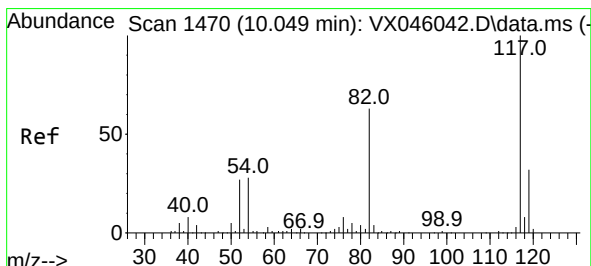
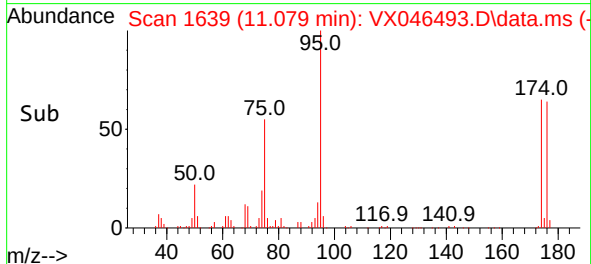
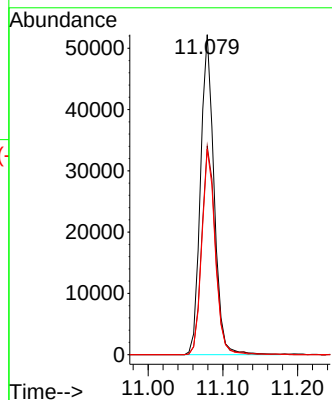
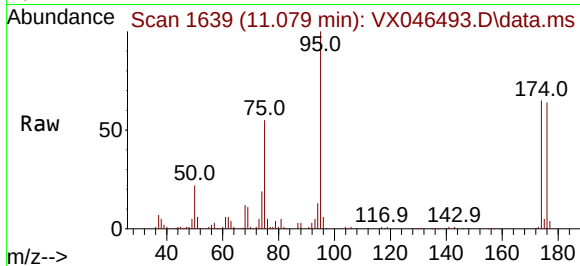




#62
4-Bromofluorobenzene
Concen: 51.812 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

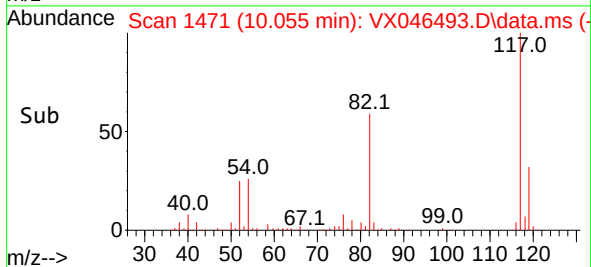
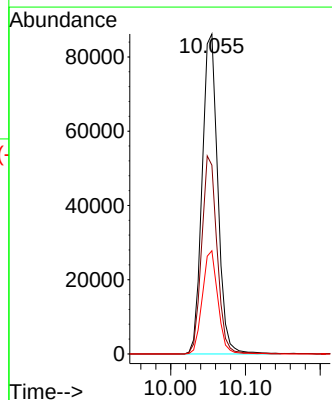
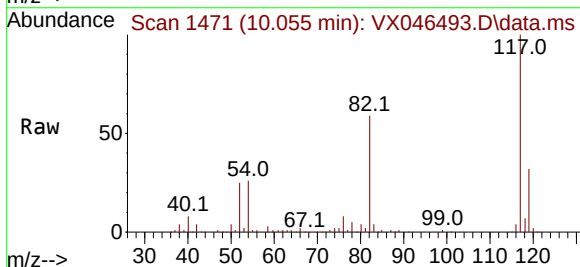
Instrument :
MSVOA_X
ClientSampleId :
B3DL

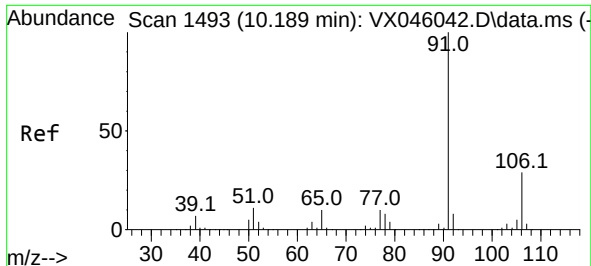
Tgt Ion: 95 Resp: 65487
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.8
176 63.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

Tgt Ion: 117 Resp: 125005
Ion Ratio Lower Upper
117 100
82 59.0 50.6 76.0
119 32.2 25.8 38.6





#67

Ethyl Benzene

Concen: 3.307 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX046493.D

Acq: 04 Jun 2025 12:18

Instrument :

MSVOA_X

ClientSampleId :

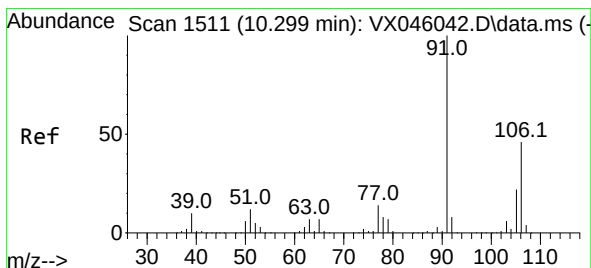
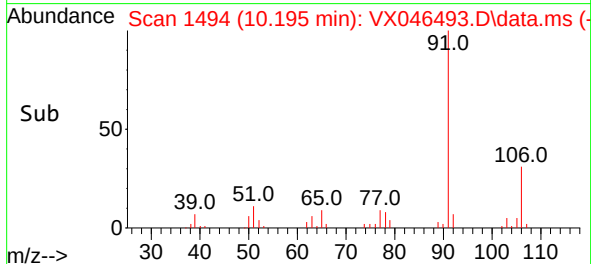
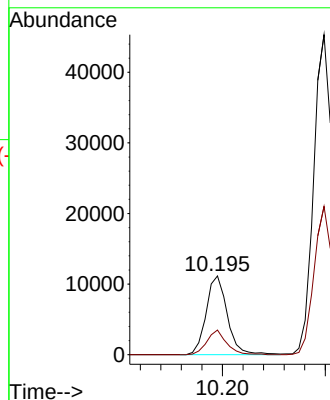
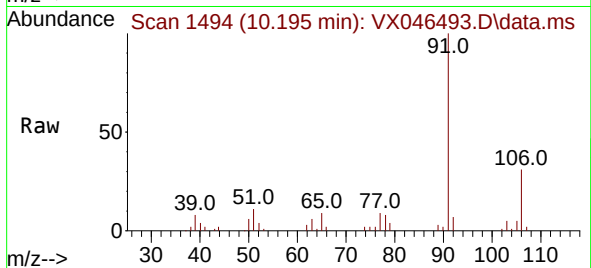
B3DL

Tgt Ion: 91 Resp: 15948

Ion Ratio Lower Upper

91 100

106 31.2 23.4 35.2



#68

m/p-Xylenes

Concen: 16.101 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046493.D

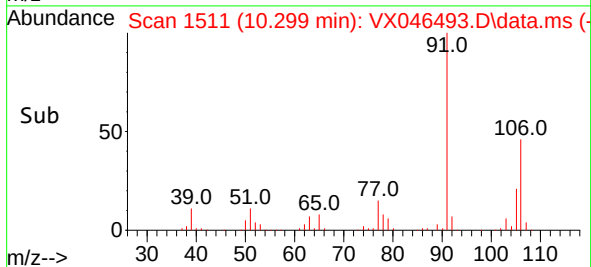
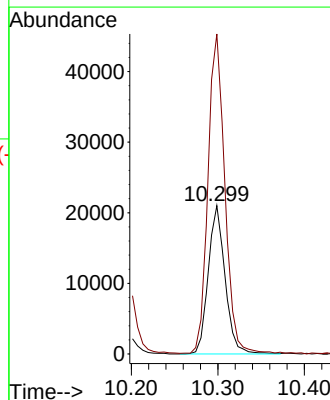
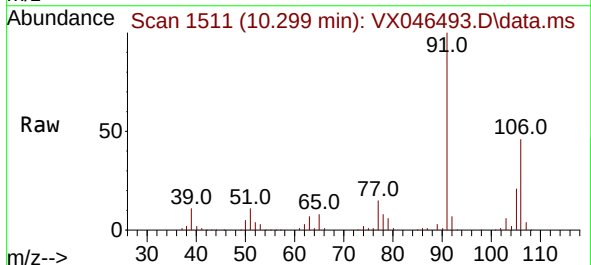
Acq: 04 Jun 2025 12:18

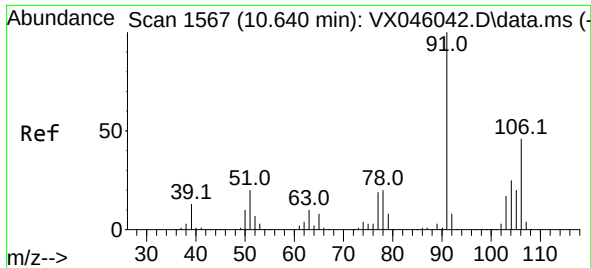
Tgt Ion:106 Resp: 28401

Ion Ratio Lower Upper

106 100

91 217.8 171.2 256.8

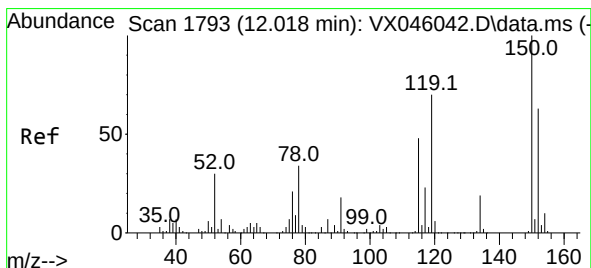
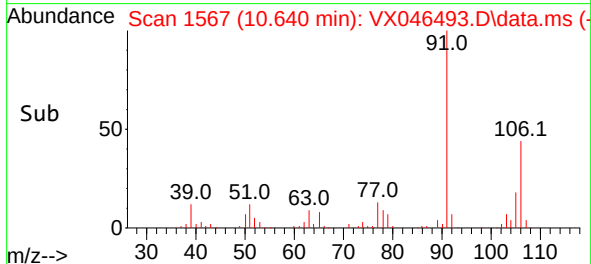
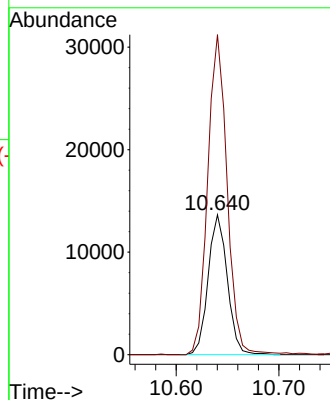
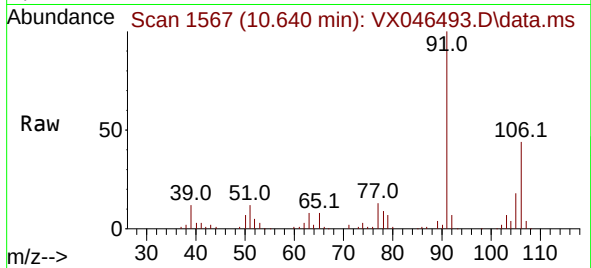




#69
o-Xylene
Concen: 10.286 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

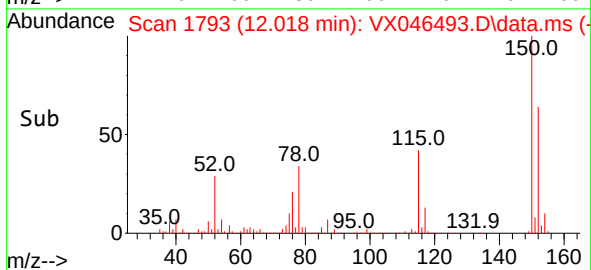
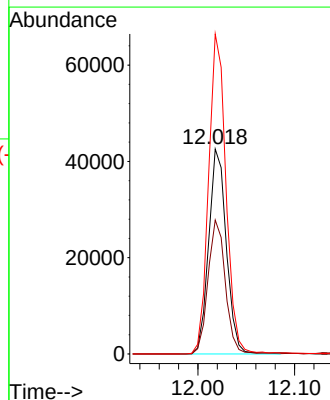
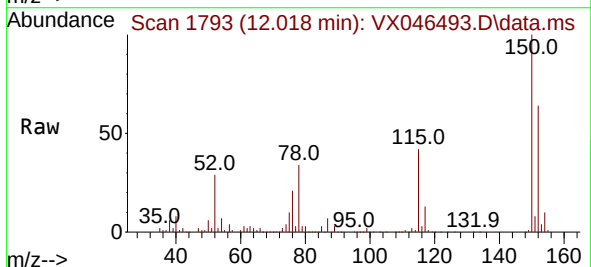
Instrument :
MSVOA_X
ClientSampleId :
B3DL

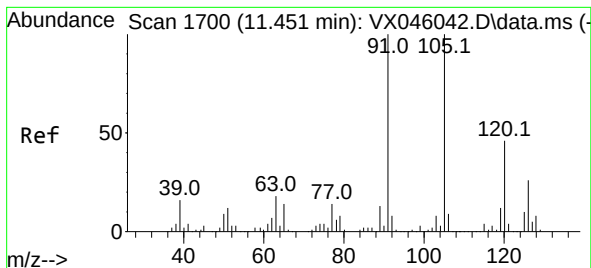
Tgt Ion:106 Resp: 17688
Ion Ratio Lower Upper
106 100
91 231.9 112.7 338.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

Tgt Ion:152 Resp: 54209
Ion Ratio Lower Upper
152 100
115 63.7 46.9 140.7
150 154.0 0.0 351.0





#80

1,3,5-Trimethylbenzene

Concen: 1.112 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046493.D

Acq: 04 Jun 2025 12:18

Instrument :

MSVOA_X

ClientSampleId :

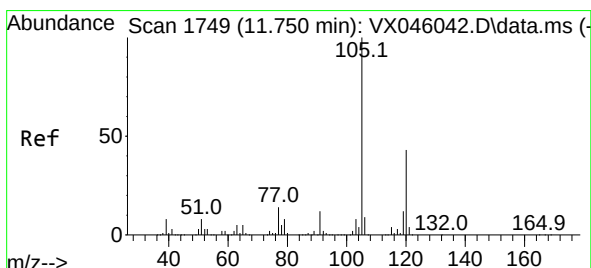
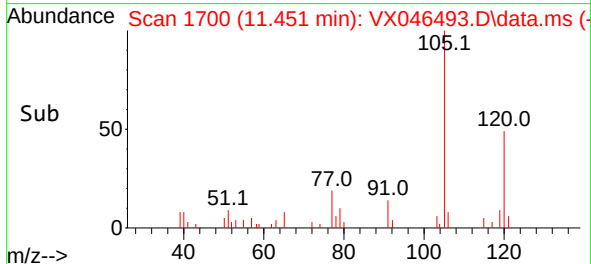
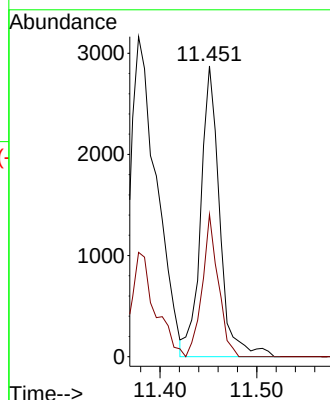
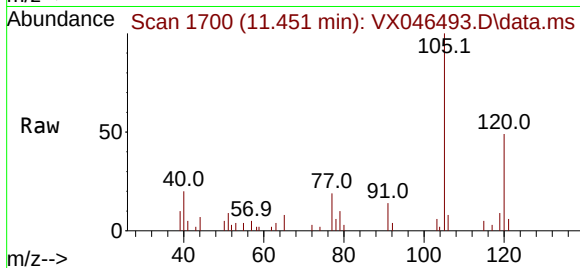
B3DL

Tgt Ion:105 Resp: 3920

Ion Ratio Lower Upper

105 100

120 41.3 23.1 69.2



#84

1,2,4-Trimethylbenzene

Concen: 3.650 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046493.D

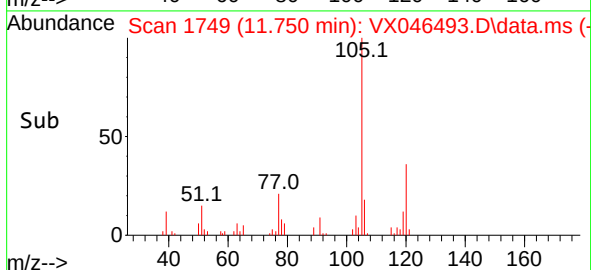
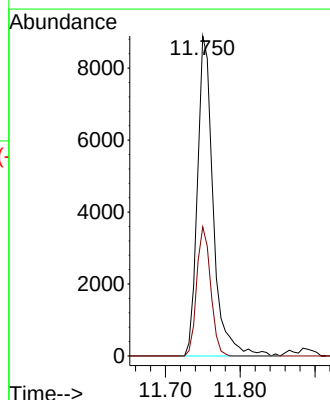
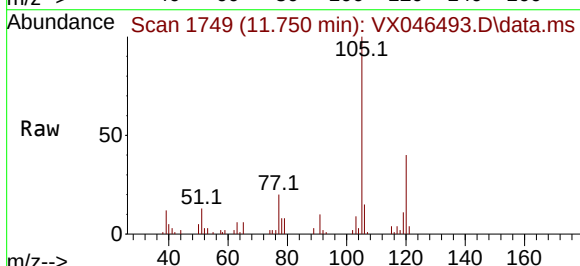
Acq: 04 Jun 2025 12:18

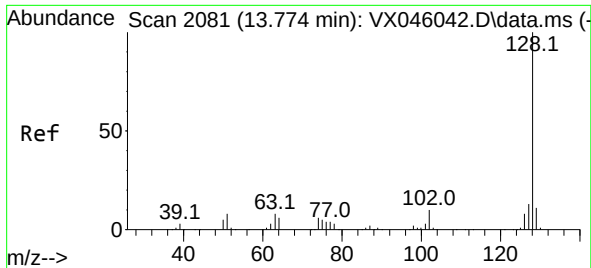
Tgt Ion:105 Resp: 13034

Ion Ratio Lower Upper

105 100

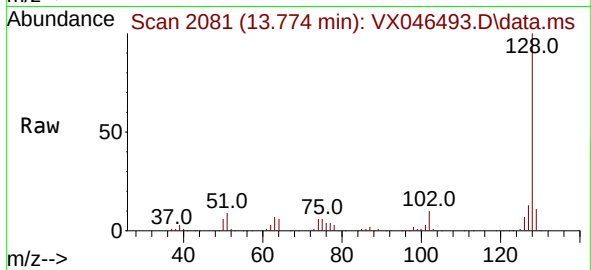
120 35.4 21.2 63.6





#95
Naphthalene
Concen: 21.189 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046493.D
Acq: 04 Jun 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
B3DL



Tgt Ion:128 Resp: 80094
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 11.2 8.6 13.0

