

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045766.D
 Acq On : 14 Apr 2025 14:25
 Operator : JC/MD
 Sample : Q1799-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-216-PPR

Quant Time: Apr 15 01:28:44 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)

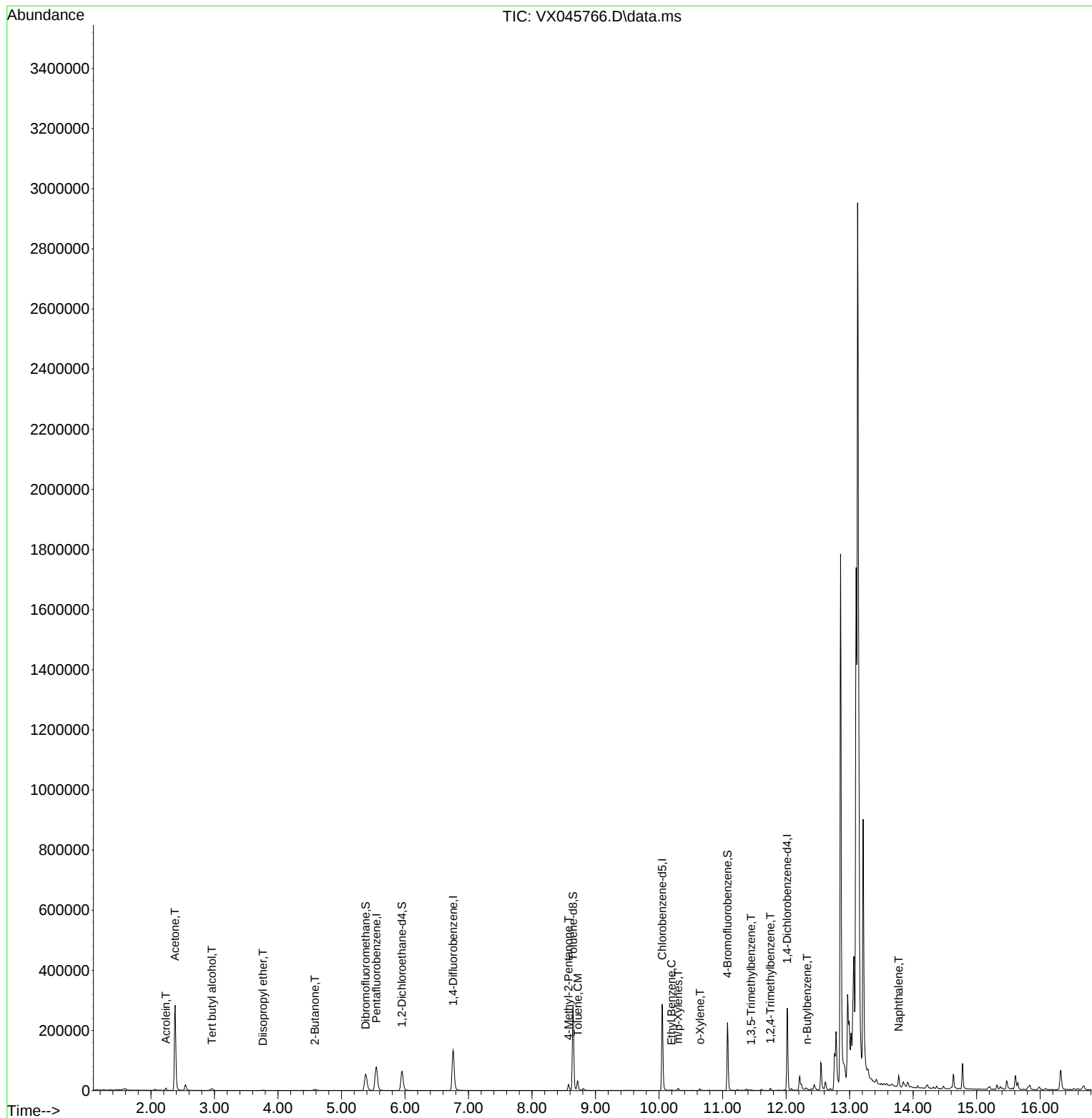
Internal Standards						
1) Pentafluorobenzene	5.550	168	66101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129492	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65656	54.314	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.620%	
35) Dibromofluoromethane	5.379	113	47036	51.196	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.400%	
50) Toluene-d8	8.647	98	161143	50.251	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.500%	
62) 4-Bromofluorobenzene	11.079	95	59188	50.671	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	6819	41.975	ug/l #	92
13) Acrolein	2.233	56	5065	22.641	ug/l	94
16) Acetone	2.379	43	299826	604.033	ug/l	99
22) Diisopropyl ether	3.763	45	1268	0.428	ug/l #	75
25) 2-Butanone	4.580	43	6377	8.777	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	12990	8.270	ug/l	100
52) Toluene	8.720	92	11438	4.989	ug/l	96
67) Ethyl Benzene	10.195	91	1436	0.317	ug/l #	80
68) m/p-Xylenes	10.299	106	1895	1.151	ug/l	94
69) o-Xylene	10.646	106	1317	0.812	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	1100	0.332	ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	3297	0.992	ug/l	97
89) n-Butylbenzene	12.329	91	669	0.232	ug/l #	60
95) Naphthalene	13.774	128	21153	6.100	ug/l	99

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

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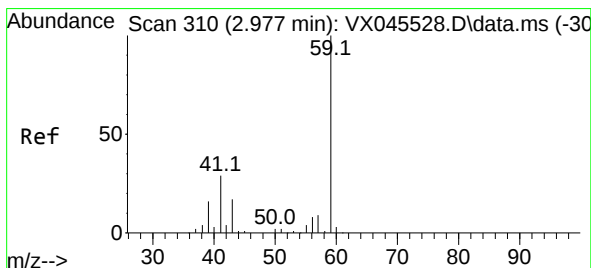
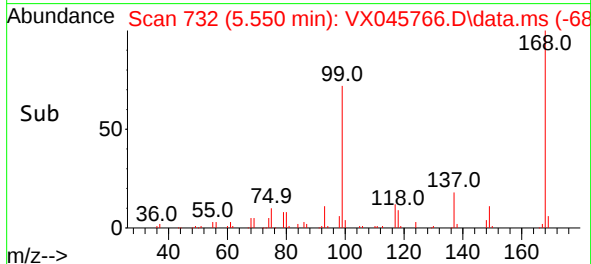
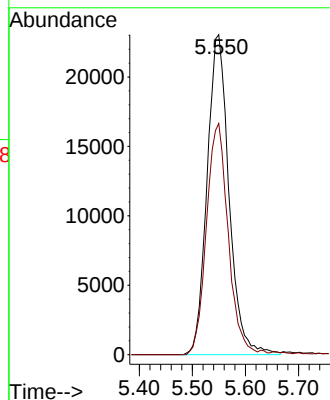
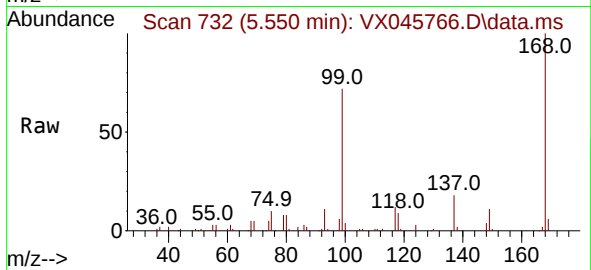




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045766.D
Acq: 14 Apr 2025 14:25

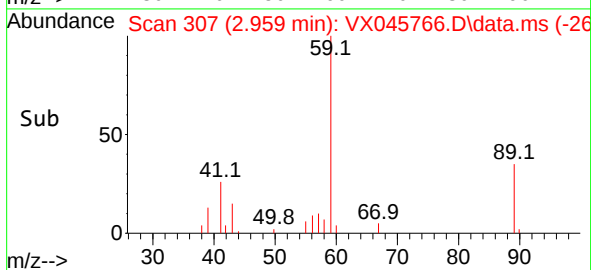
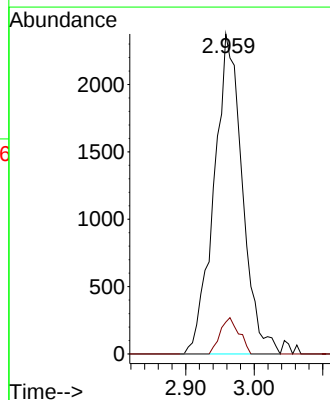
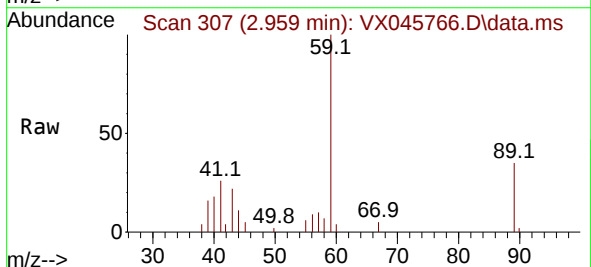
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-216-PPR

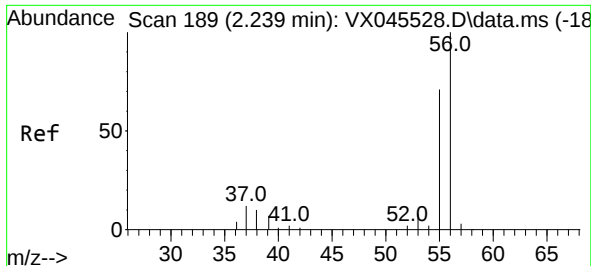
Tgt Ion:168 Resp: 66101
Ion Ratio Lower Upper
168 100
99 72.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 41.975 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.019 min
Lab File: VX045766.D
Acq: 14 Apr 2025 14:25

Tgt Ion: 59 Resp: 6819
Ion Ratio Lower Upper
59 100
57 7.5 8.6 12.8#





#13

Acrolein

Concen: 22.641 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX045766.D

Acq: 14 Apr 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

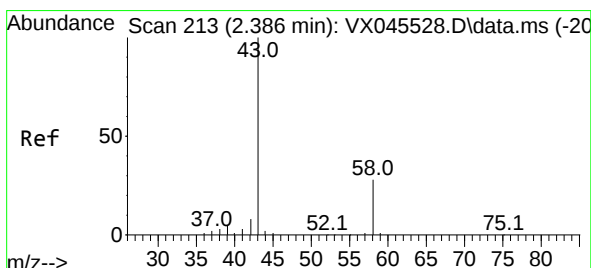
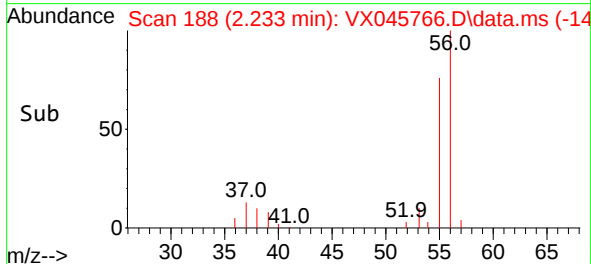
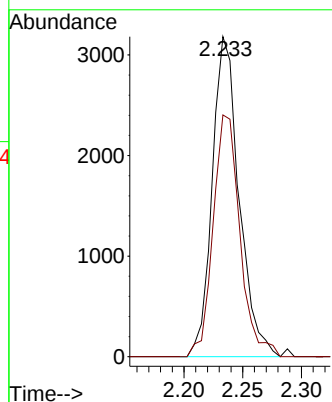
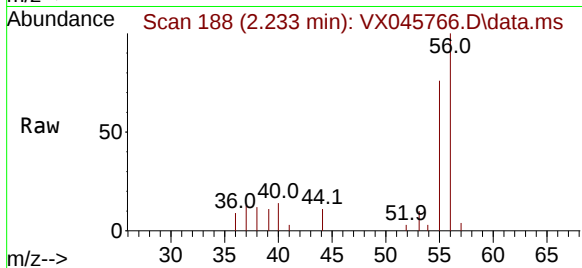
FRAC-TANK-216-PPR

Tgt Ion: 56 Resp: 5065

Ion Ratio Lower Upper

56 100

55 75.5 56.2 84.2



#16

Acetone

Concen: 604.033 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045766.D

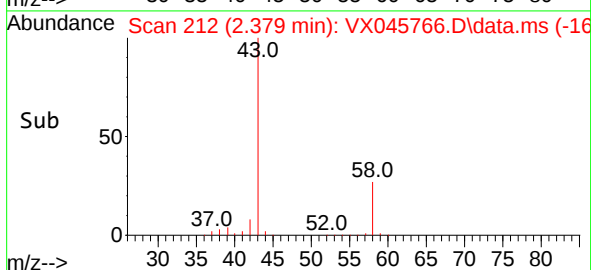
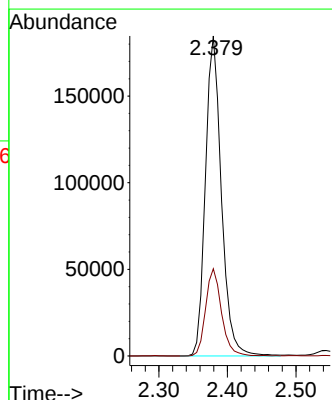
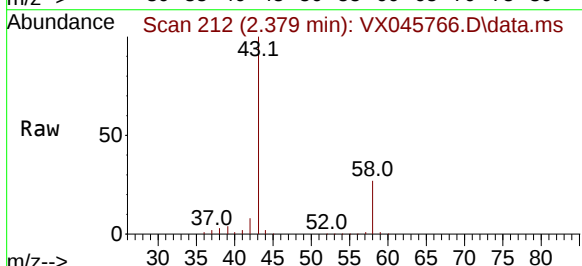
Acq: 14 Apr 2025 14:25

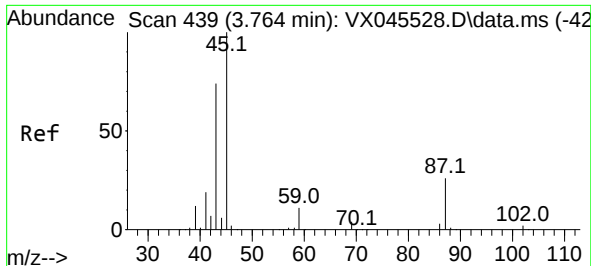
Tgt Ion: 43 Resp: 299826

Ion Ratio Lower Upper

43 100

58 27.3 22.3 33.5

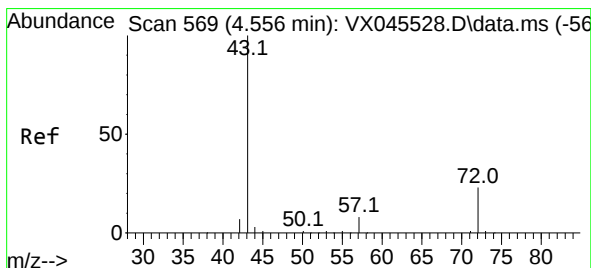
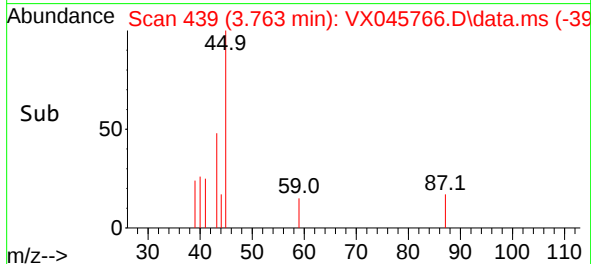
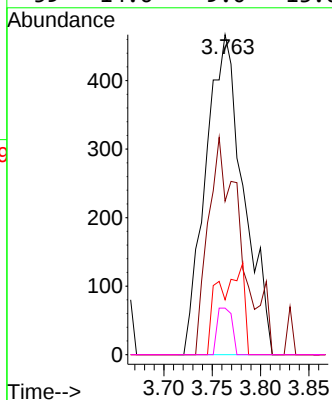
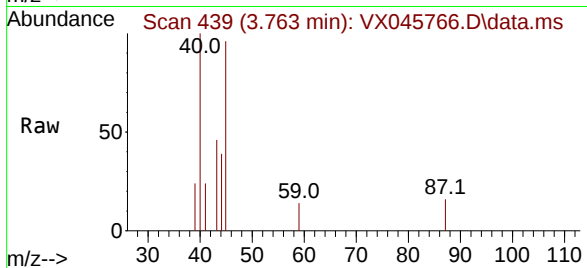




#22
Diisopropyl ether
Concen: 0.428 ug/l
RT: 3.763 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX045766.D
Acq: 14 Apr 2025 14:25

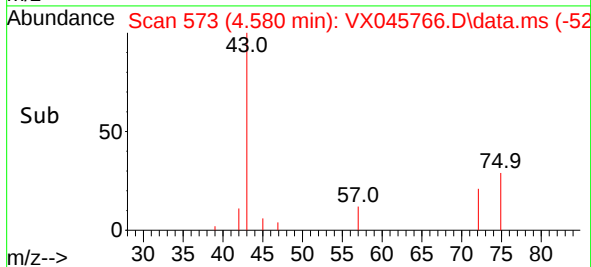
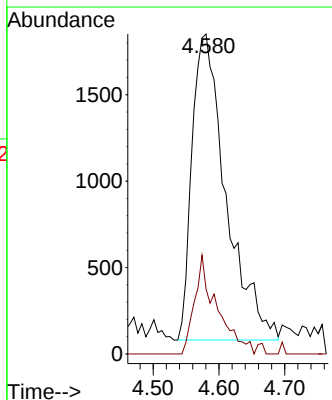
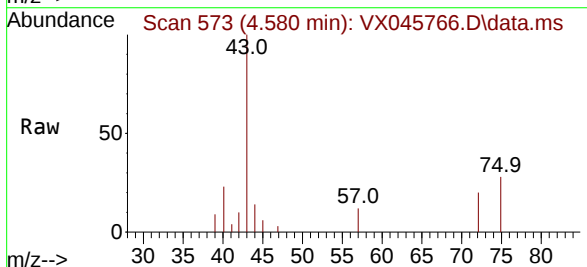
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-216-PPR

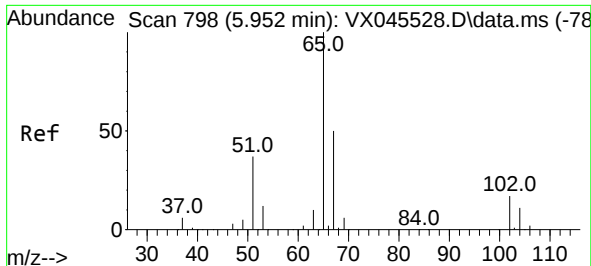
Tgt Ion:	45	Resp:	1268
Ion	Ratio	Lower	Upper
45	100		
43	48.0	59.3	88.9#
87	17.1	20.4	30.6#
59	14.6	9.0	13.6#



#25
2-Butanone
Concen: 8.777 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045766.D
Acq: 14 Apr 2025 14:25

Tgt Ion:	43	Resp:	6377
Ion	Ratio	Lower	Upper
43	100		
72	21.3	18.6	28.0





#33

1,2-Dichloroethane-d4

Concen: 54.314 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045766.D

Acq: 14 Apr 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

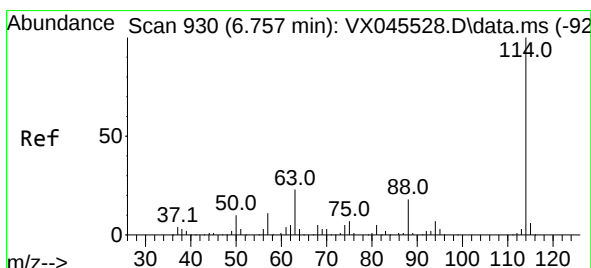
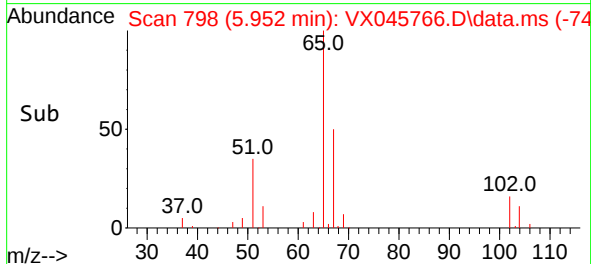
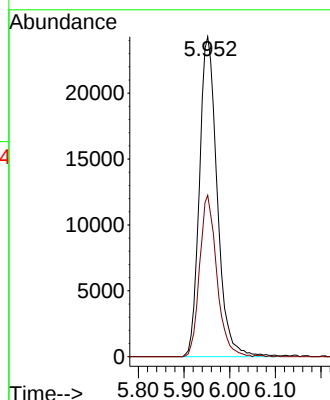
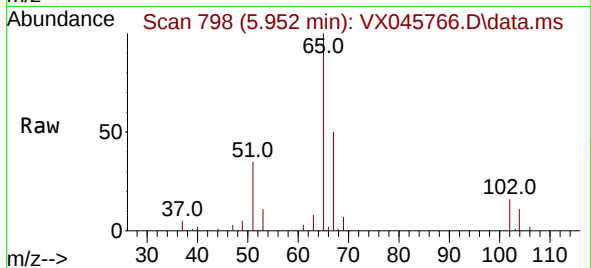
FRAC-TANK-216-PPR

Tgt Ion: 65 Resp: 65656

Ion Ratio Lower Upper

65 100

67 48.7 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: VX045766.D

Acq: 14 Apr 2025 14:25

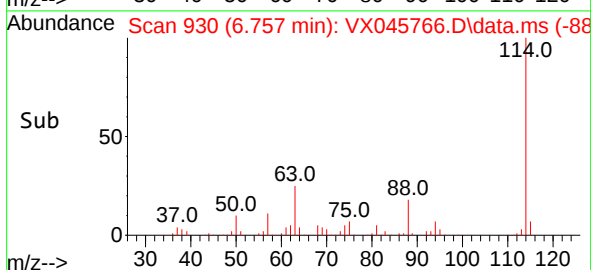
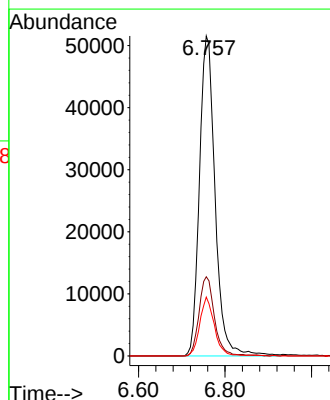
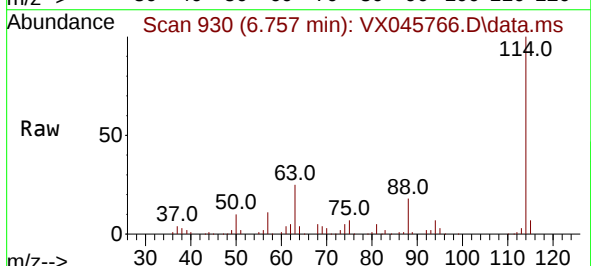
Tgt Ion: 114 Resp: 129492

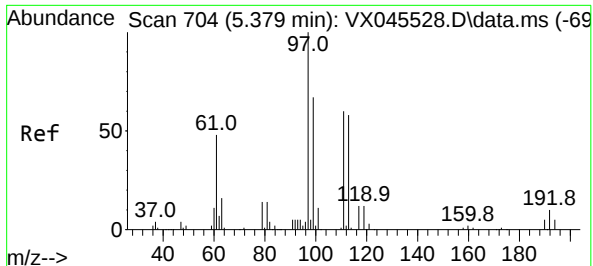
Ion Ratio Lower Upper

114 100

63 24.7 0.0 46.8

88 18.4 0.0 35.4





#35

Dibromofluoromethane

Concen: 51.196 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045766.D

Acq: 14 Apr 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-216-PPR

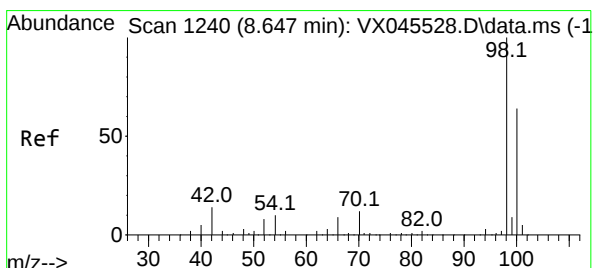
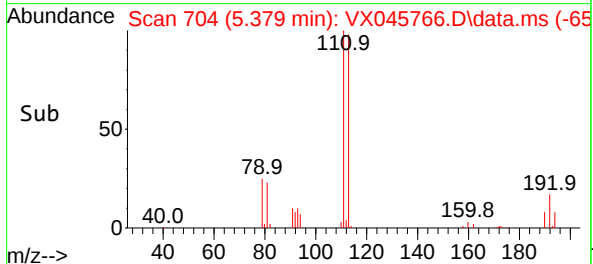
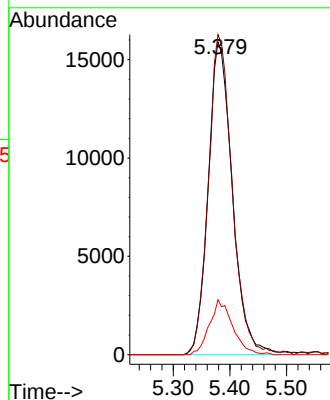
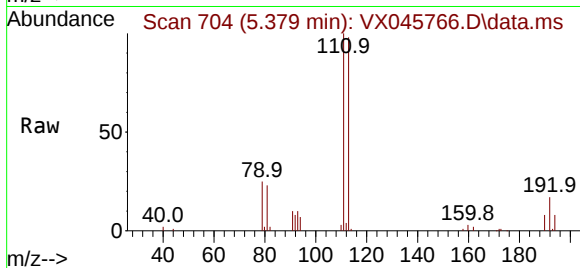
Tgt Ion:113 Resp: 47036

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

192 16.9 13.8 20.6



#50

Toluene-d8

Concen: 50.251 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045766.D

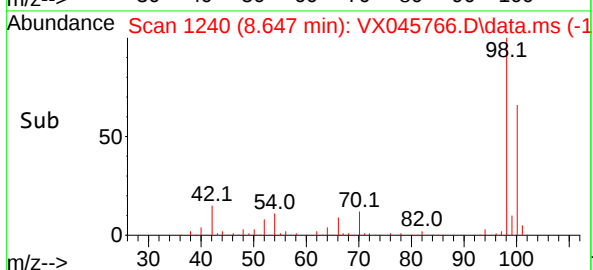
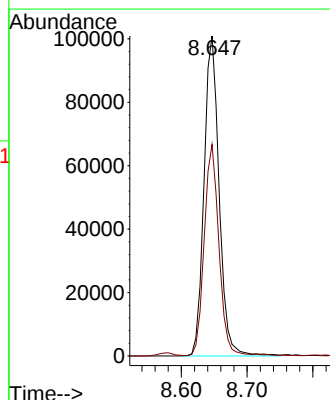
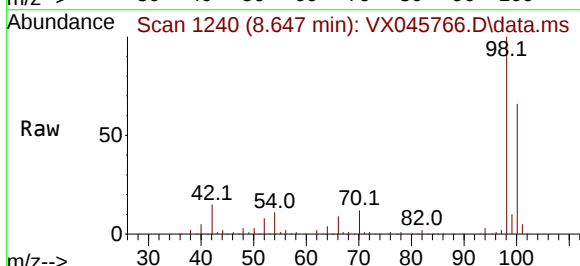
Acq: 14 Apr 2025 14:25

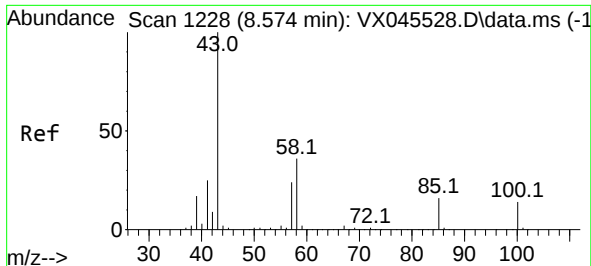
Tgt Ion: 98 Resp: 161143

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.4

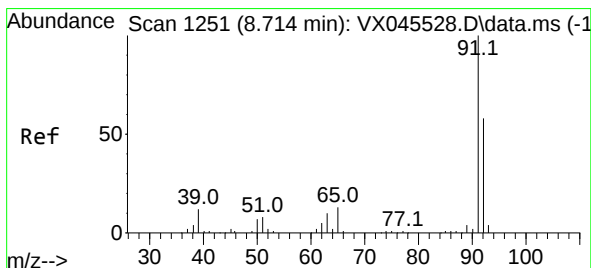
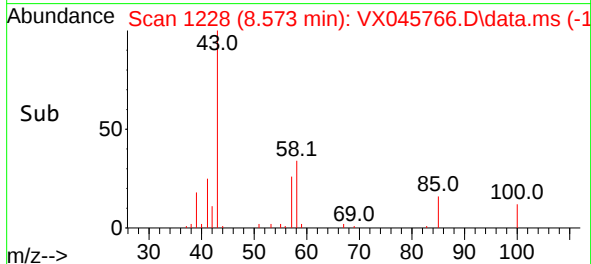
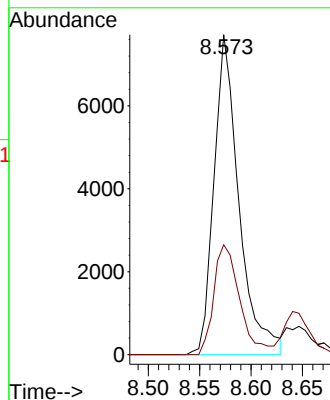
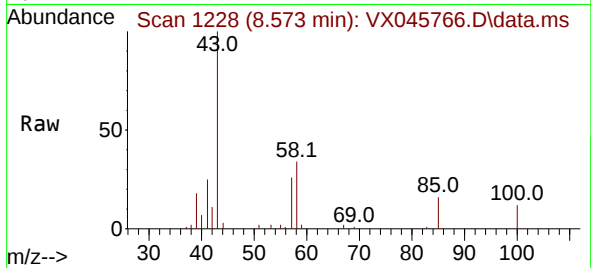




#51
4-Methyl-2-Pentanone
Concen: 8.270 ug/l
RT: 8.573 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045766.D
Acq: 14 Apr 2025 14:25

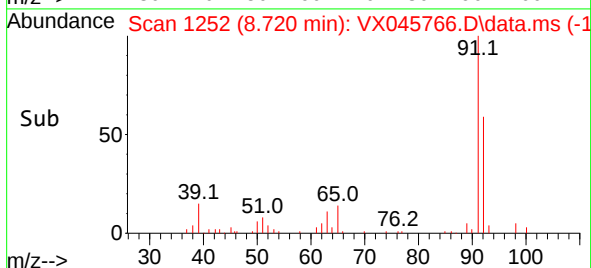
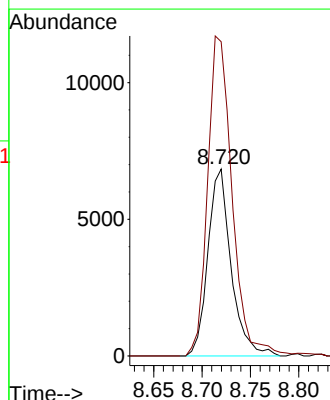
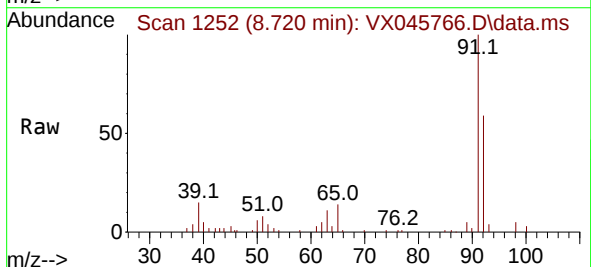
Instrument :
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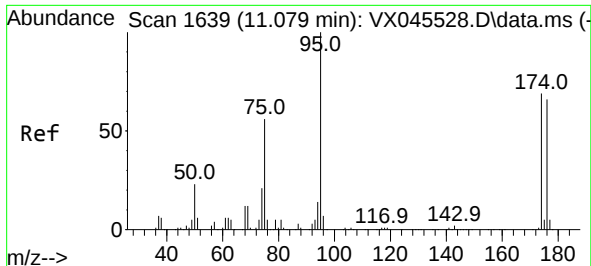
Tgt Ion: 43 Resp: 12990
Ion Ratio Lower Upper
43 100
58 35.4 28.5 42.7



#52
Toluene
Concen: 4.989 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045766.D
Acq: 14 Apr 2025 14:25

Tgt Ion: 92 Resp: 11438
Ion Ratio Lower Upper
92 100
91 179.5 138.7 208.1





#62

4-Bromofluorobenzene

Concen: 50.671 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045766.D

Acq: 14 Apr 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-216-PPR

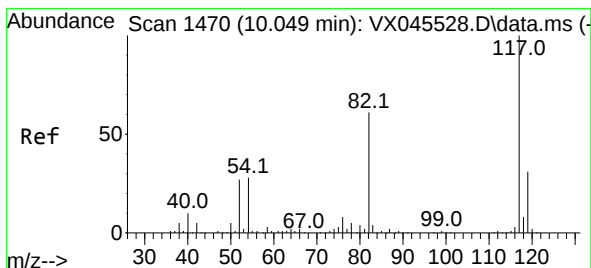
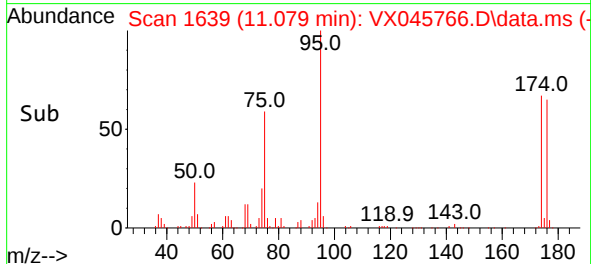
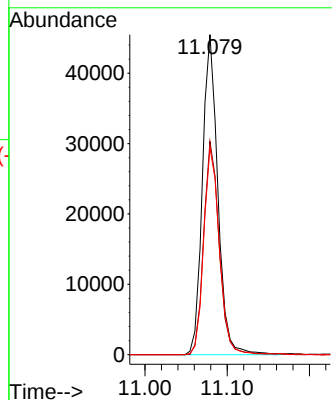
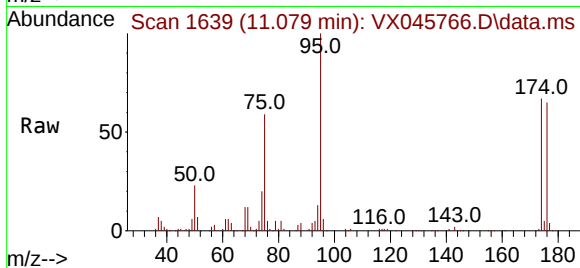
Tgt Ion: 95 Resp: 59188

Ion Ratio Lower Upper

95 100

174 67.2 0.0 135.8

176 65.6 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: VX045766.D

Acq: 14 Apr 2025 14:25

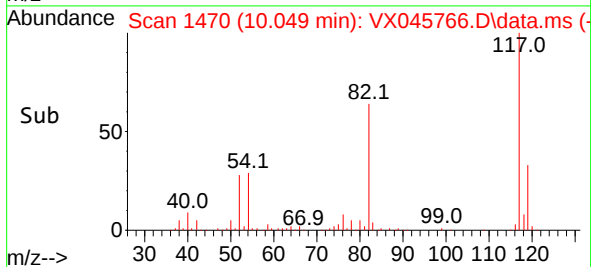
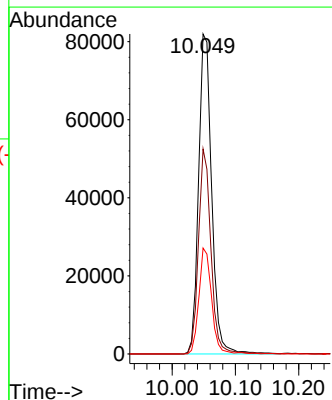
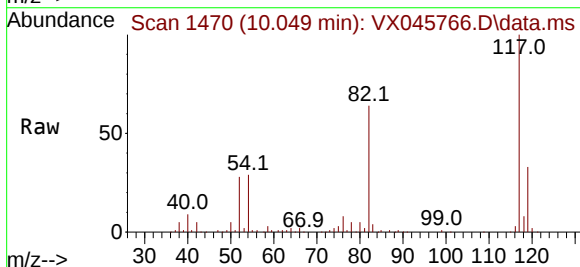
Tgt Ion: 117 Resp: 118297

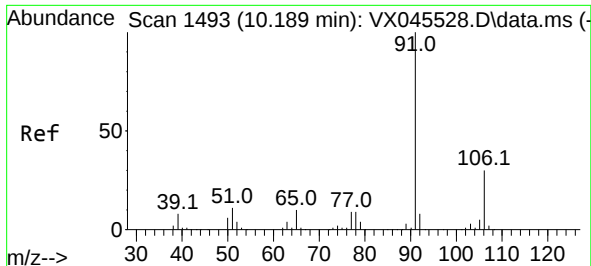
Ion Ratio Lower Upper

117 100

82 64.1 49.2 73.8

119 33.1 25.1 37.7





#67

Ethyl Benzene

Concen: 0.317 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX045766.D

Acq: 14 Apr 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

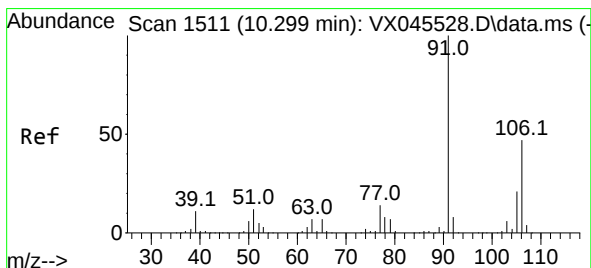
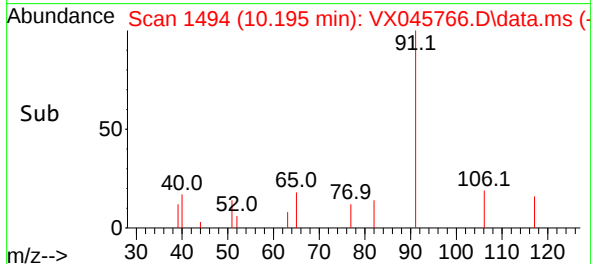
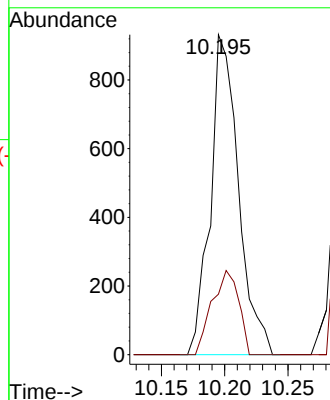
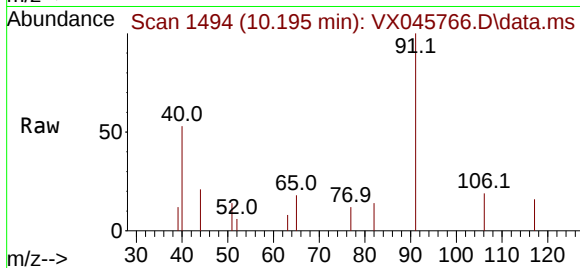
FRAC-TANK-216-PPR

Tgt Ion: 91 Resp: 1436

Ion Ratio Lower Upper

91 100

106 18.9 23.7 35.5#



#68

m/p-Xylenes

Concen: 1.151 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045766.D

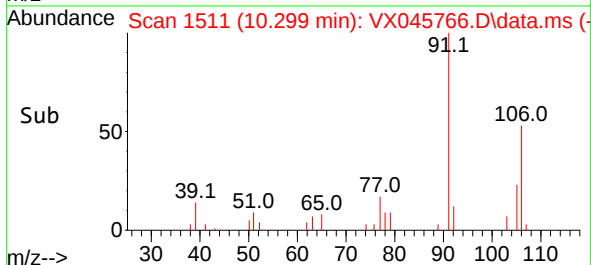
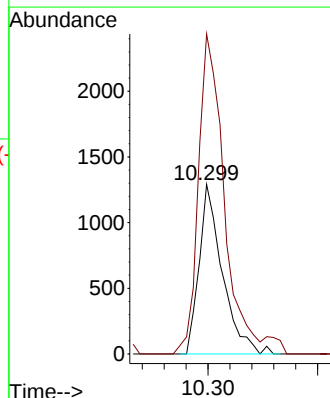
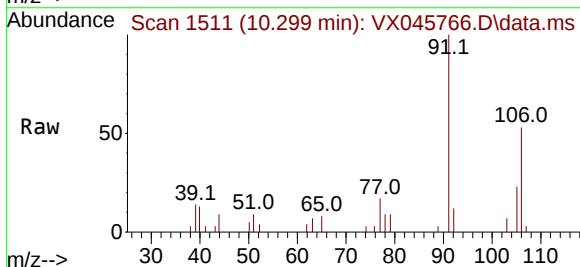
Acq: 14 Apr 2025 14:25

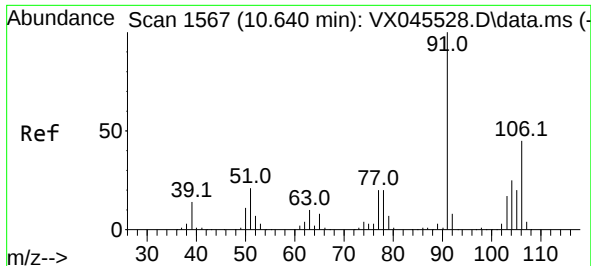
Tgt Ion:106 Resp: 1895

Ion Ratio Lower Upper

106 100

91 206.8 172.6 258.8

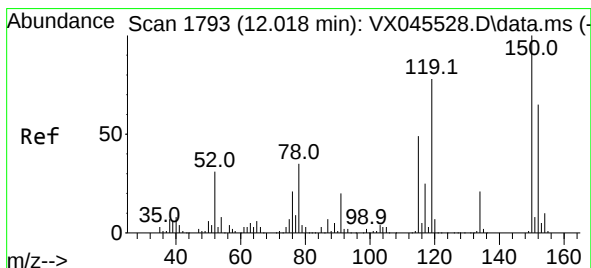
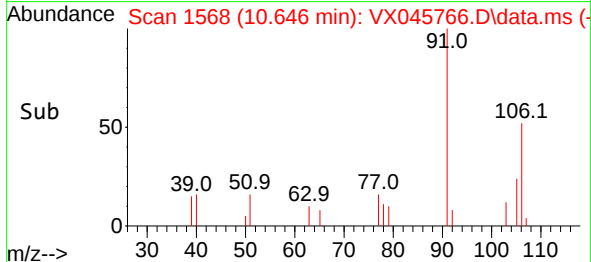
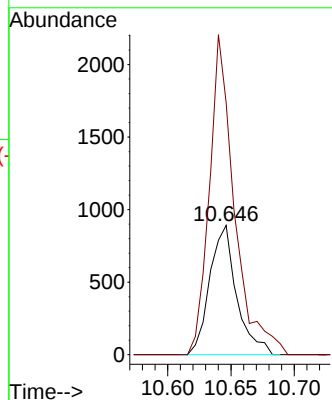
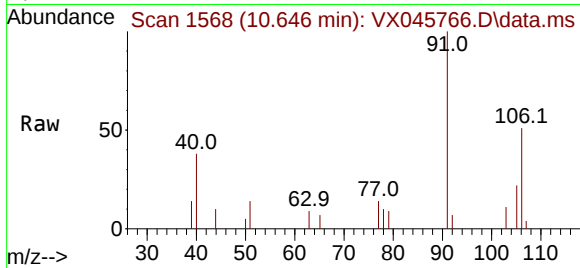




#69
o-Xylene
Concen: 0.812 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045766.D
Acq: 14 Apr 2025 14:25

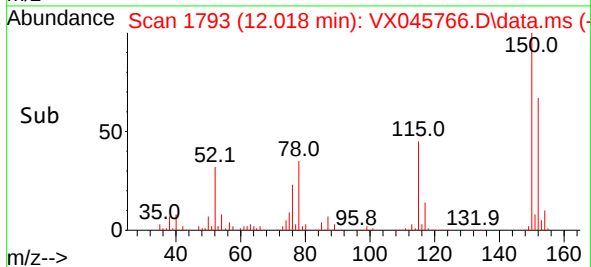
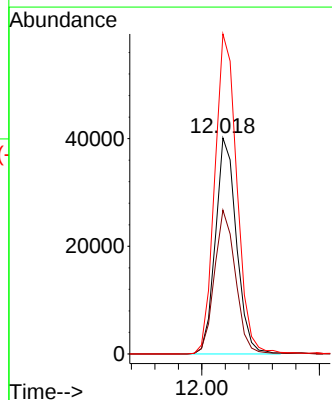
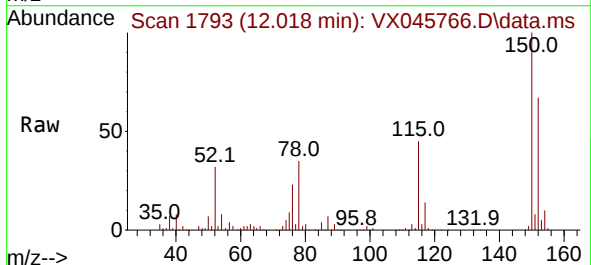
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-216-PPR

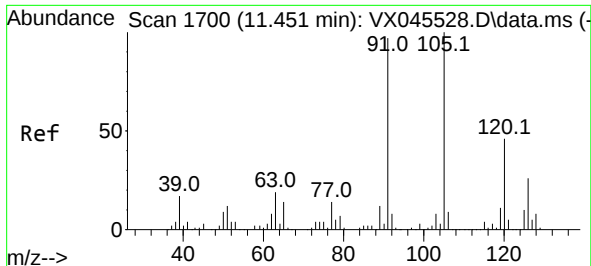
Tgt Ion:106 Resp: 1317
Ion Ratio Lower Upper
106 100
91 230.4 113.6 340.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045766.D
Acq: 14 Apr 2025 14:25

Tgt Ion:152 Resp: 49980
Ion Ratio Lower Upper
152 100
115 66.9 46.9 140.7
150 155.9 0.0 349.4

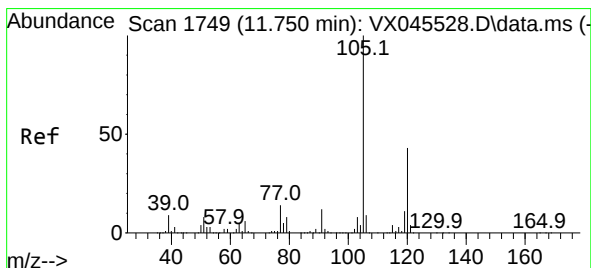
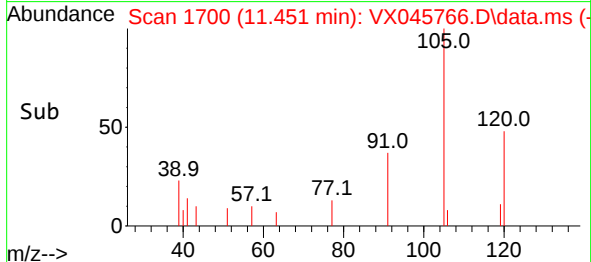
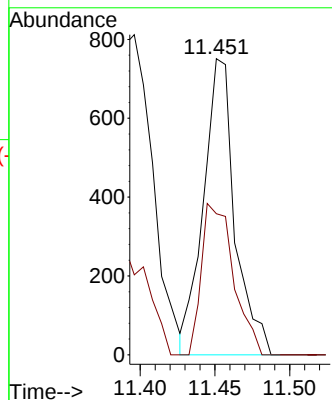
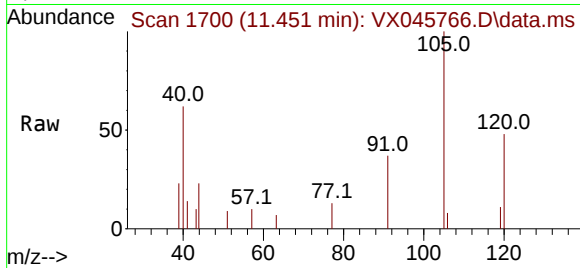




#80
1,3,5-Trimethylbenzene
Concen: 0.332 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045766.D
Acq: 14 Apr 2025 14:25

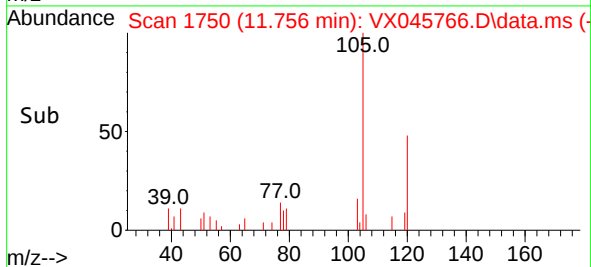
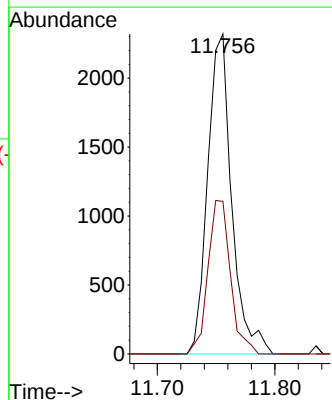
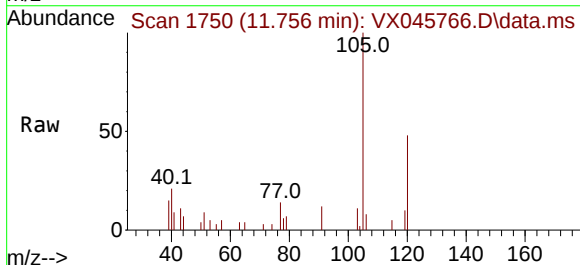
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-216-PPR

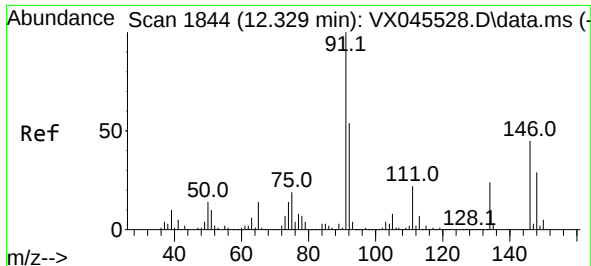
Tgt Ion:105 Resp: 1100
Ion Ratio Lower Upper
105 100
120 51.8 23.0 69.0



#84
1,2,4-Trimethylbenzene
Concen: 0.992 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045766.D
Acq: 14 Apr 2025 14:25

Tgt Ion:105 Resp: 3297
Ion Ratio Lower Upper
105 100
120 44.9 21.4 64.3





#89

n-Butylbenzene

Concen: 0.232 ug/l

RT: 12.329 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045766.D

Acq: 14 Apr 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-216-PPR

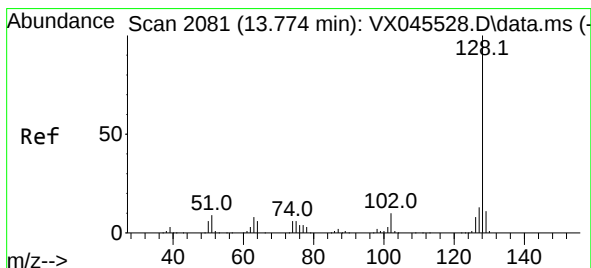
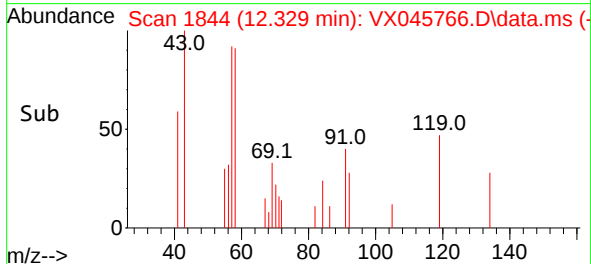
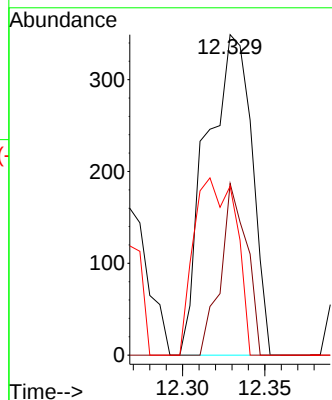
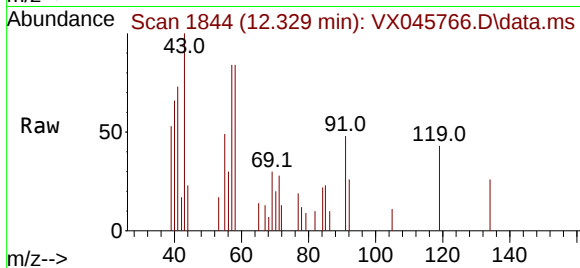
Tgt Ion: 91 Resp: 669

Ion Ratio Lower Upper

91 100

92 30.8 26.9 80.6

134 51.6 11.9 35.7#



#95

Naphthalene

Concen: 6.100 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX045766.D

Acq: 14 Apr 2025 14:25

Tgt Ion:128 Resp: 21153

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 11.0 8.6 12.8

