

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110322\
 Data File : VX032561.D
 Acq On : 03 Nov 2022 17:24
 Operator : JC/MD
 Sample : N5454-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1674

Quant Time: Nov 04 06:19:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

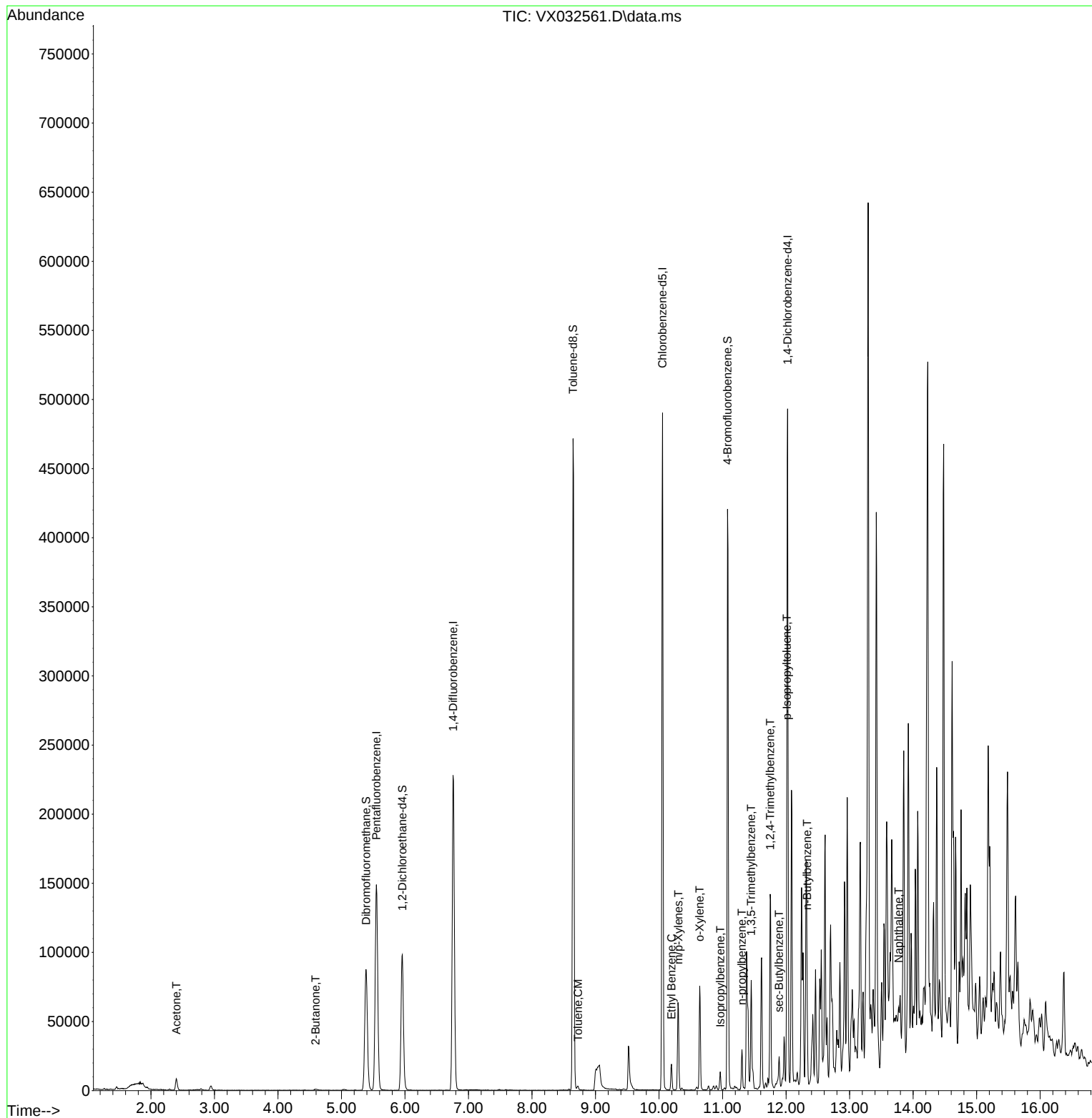
Internal Standards						
1) Pentafluorobenzene	5.550	168	139001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	230765	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97327	50.392	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.780%	
35) Dibromofluoromethane	5.385	113	75600	45.928	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.860%	
50) Toluene-d8	8.647	98	278220	48.608	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.220%	
62) 4-Bromofluorobenzene	11.079	95	103609	46.340	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.680%	
Target Compounds						
					Qvalue	
16) Acetone	2.398	43	10957	15.609	ug/l	93
25) 2-Butanone	4.593	43	1612	1.482	ug/l	96
52) Toluene	8.726	92	1142	0.270	ug/l	99
67) Ethyl Benzene	10.195	91	10594	1.269	ug/l	95
68) m/p-Xylenes	10.305	106	14627	4.513	ug/l	97
69) o-Xylene	10.640	106	15431	4.897	ug/l	93
73) Isopropylbenzene	10.963	105	6447	0.827	ug/l	95
78) n-propylbenzene	11.305	91	16719	1.861	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	32186	4.830	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	61745	9.317	ug/l	99
85) sec-Butylbenzene	11.890	105	9190	1.148	ug/l	89
86) p-Isopropyltoluene	12.012	119	7241	1.066	ug/l	94
89) n-Butylbenzene	12.329	91	25269	4.276	ug/l #	36
95) Naphthalene	13.774	128	17817	2.307	ug/l #	87

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

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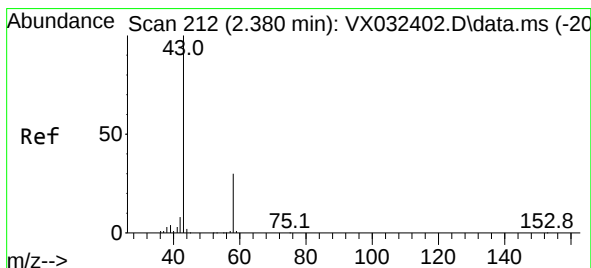
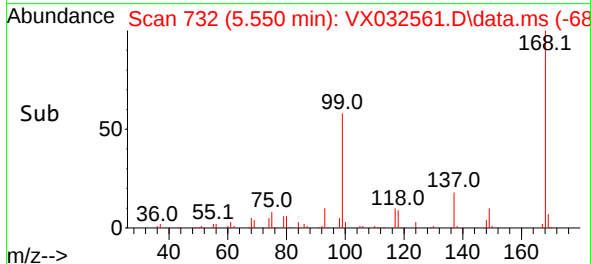
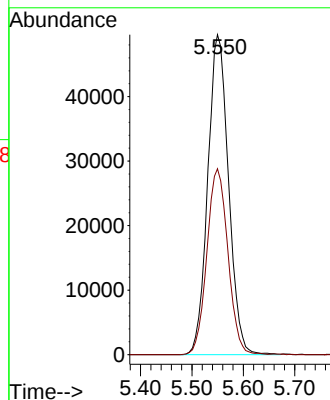
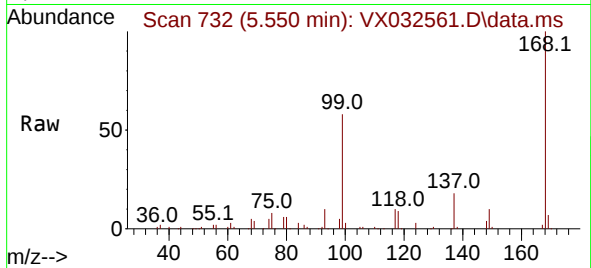




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

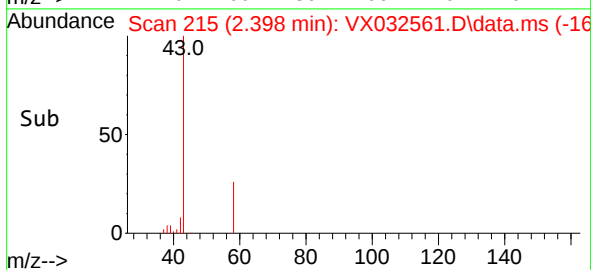
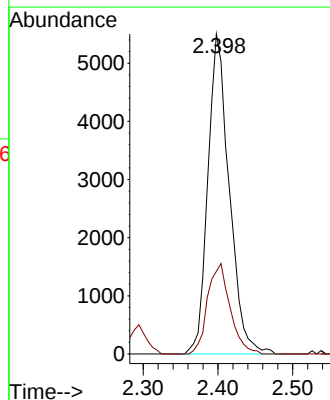
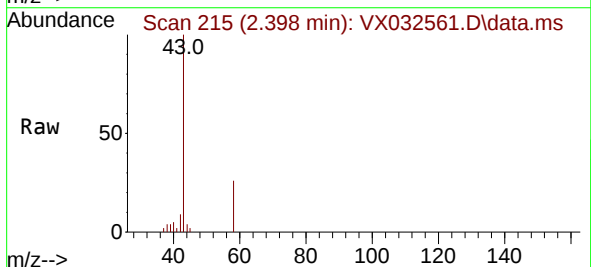
Instrument :
MSVOA_X
ClientSampleId :
TRE-1674

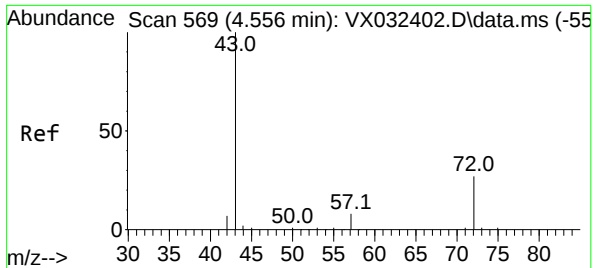
Tgt Ion:168 Resp: 139001
Ion Ratio Lower Upper
168 100
99 58.1 46.1 69.1



#16
Acetone
Concen: 15.609 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.018 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

Tgt Ion: 43 Resp: 10957
Ion Ratio Lower Upper
43 100
58 25.8 23.8 35.8

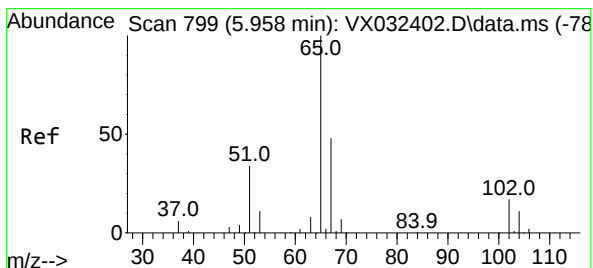
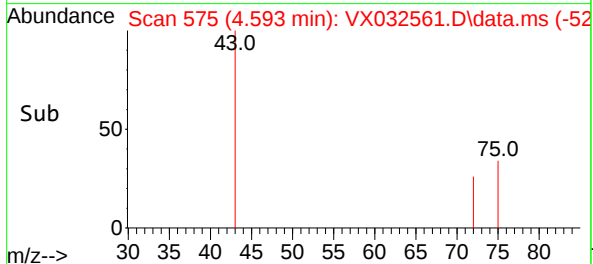
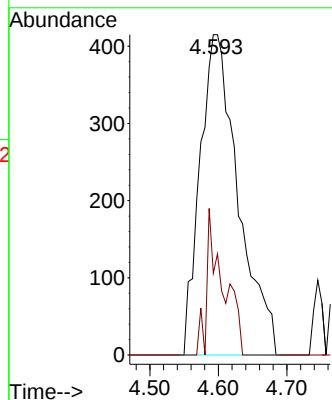
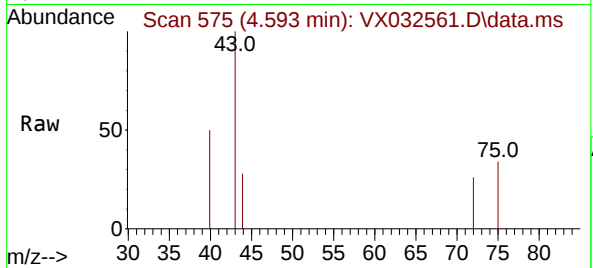




#25
2-Butanone
Concen: 1.482 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

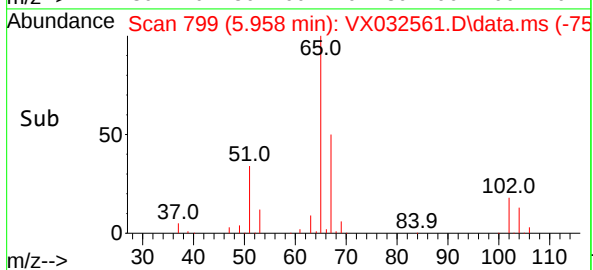
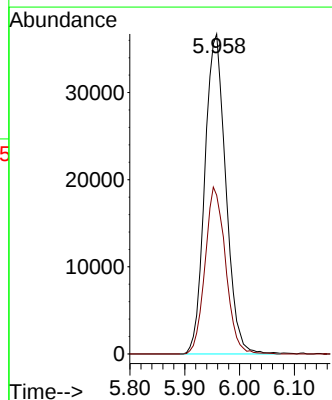
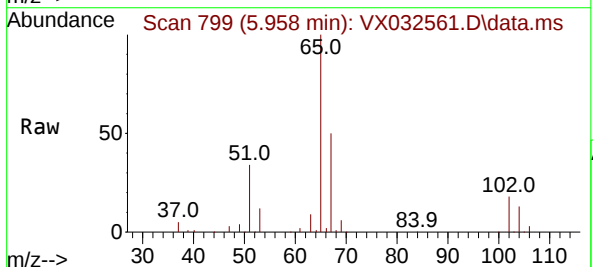
Instrument :
MSVOA_X
ClientSampleId :
TRE-1674

Tgt Ion: 43 Resp: 1612
Ion Ratio Lower Upper
43 100
72 25.5 22.2 33.2



#33
1,2-Dichloroethane-d4
Concen: 50.392 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

Tgt Ion: 65 Resp: 97327
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.8

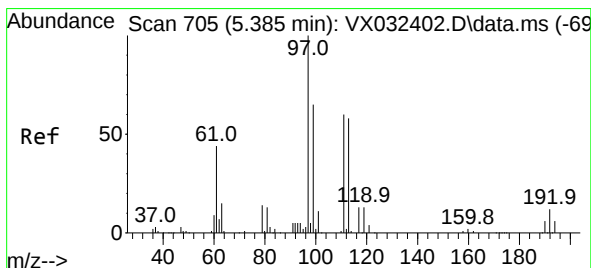
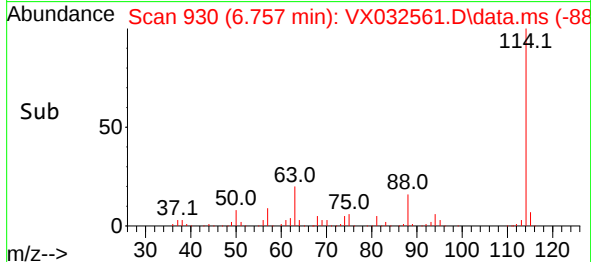
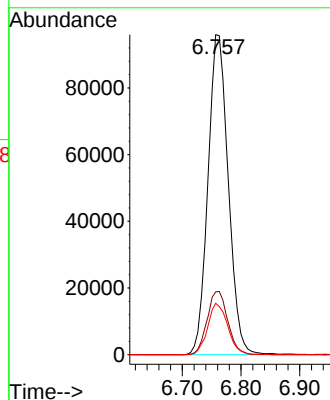
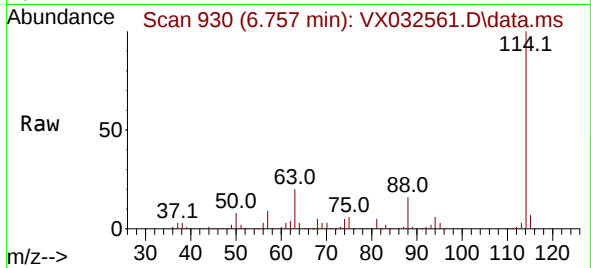




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

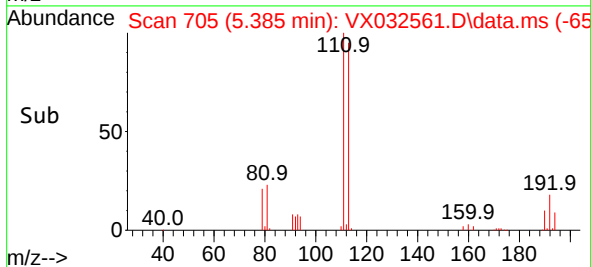
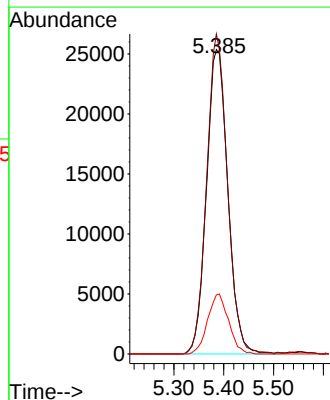
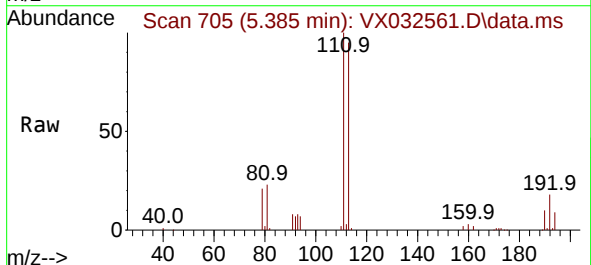
Instrument :
MSVOA_X
ClientSampleId :
TRE-1674

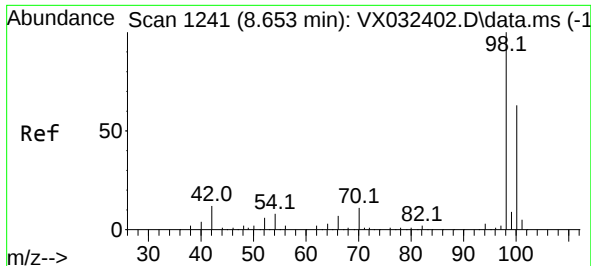
Tgt Ion:114 Resp: 230765
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.6
88 16.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.928 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

Tgt Ion:113 Resp: 75600
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 19.3 15.4 23.2

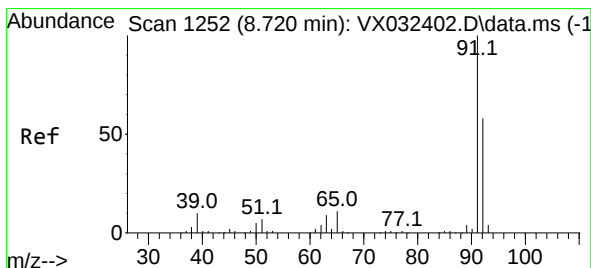
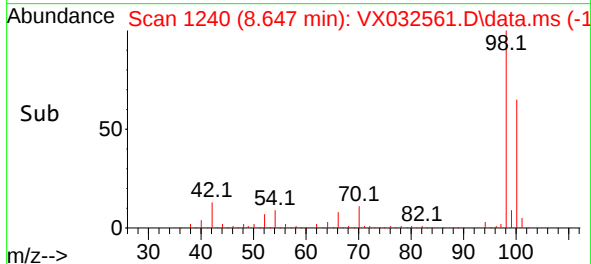
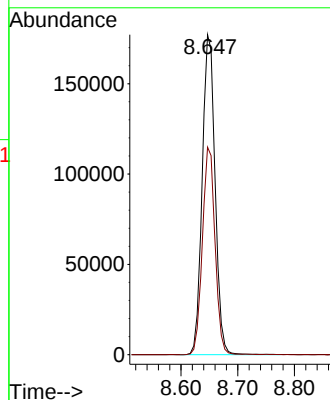
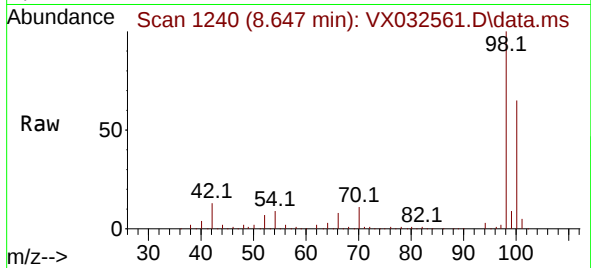




#50
Toluene-d8
Concen: 48.608 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

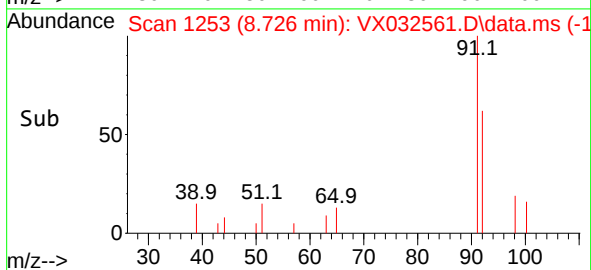
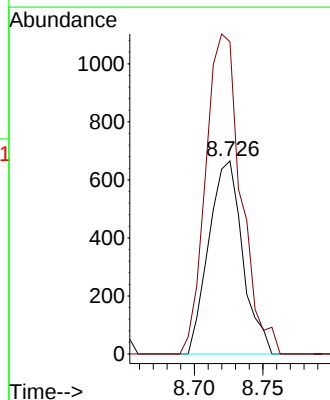
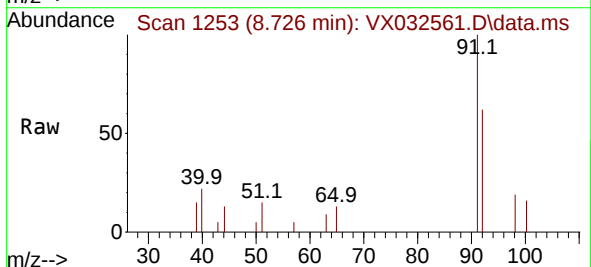
Instrument :
MSVOA_X
ClientSampleId :
TRE-1674

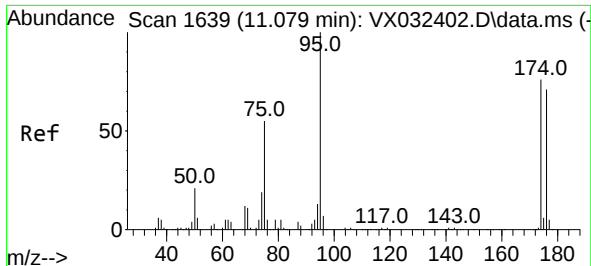
Tgt Ion: 98 Resp: 278220
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#52
Toluene
Concen: 0.270 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

Tgt Ion: 92 Resp: 1142
Ion Ratio Lower Upper
92 100
91 173.6 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 46.340 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032561.D

Acq: 03 Nov 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

TRE-1674

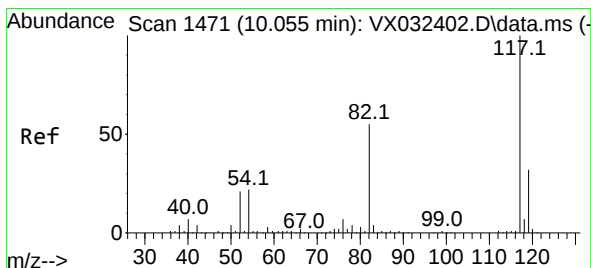
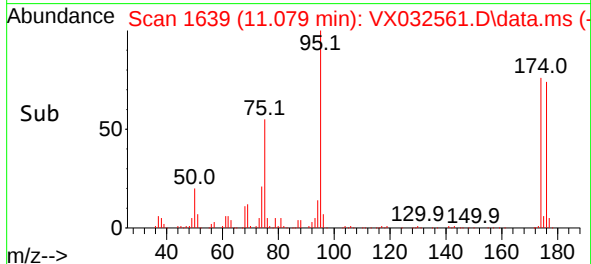
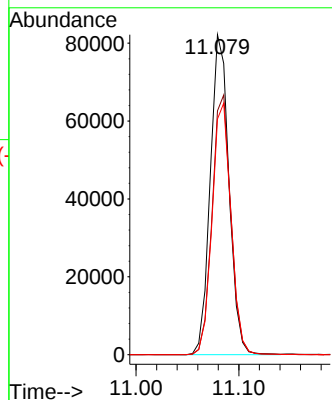
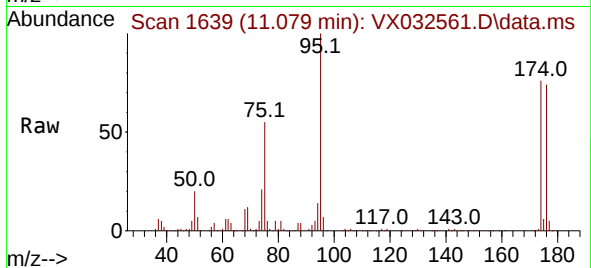
Tgt Ion: 95 Resp: 103609

Ion Ratio Lower Upper

95 100

174 81.7 0.0 164.0

176 79.6 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032561.D

Acq: 03 Nov 2022 17:24

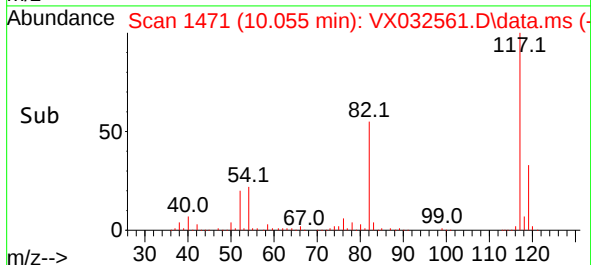
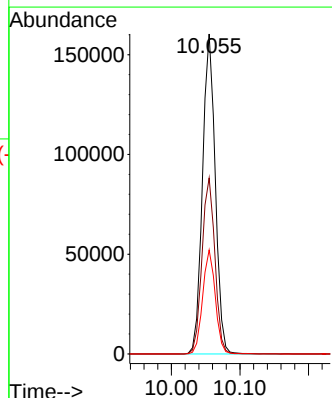
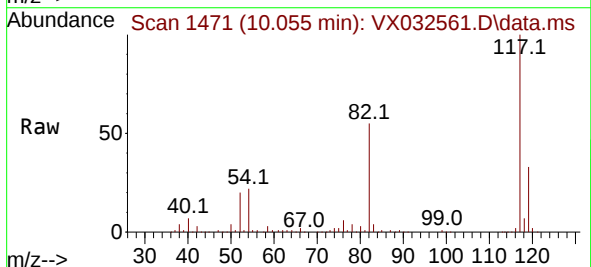
Tgt Ion: 117 Resp: 208378

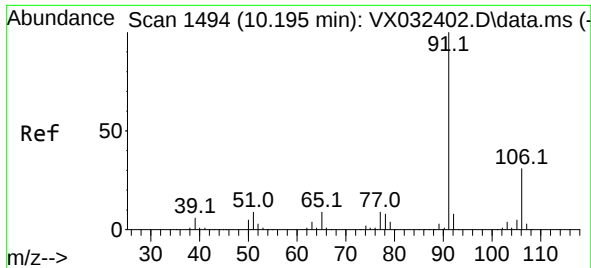
Ion Ratio Lower Upper

117 100

82 55.0 44.3 66.5

119 32.5 25.7 38.5





#67

Ethyl Benzene

Concen: 1.269 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX032561.D

Acq: 03 Nov 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

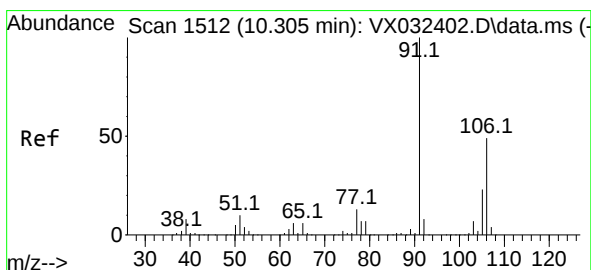
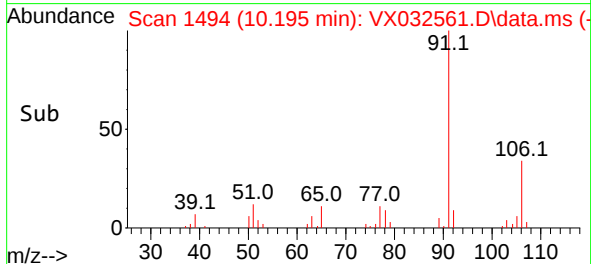
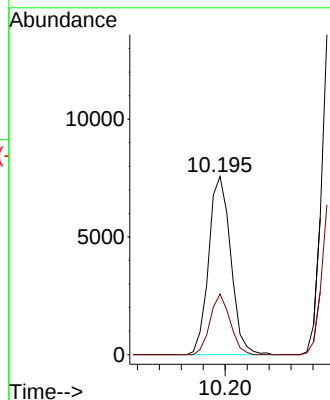
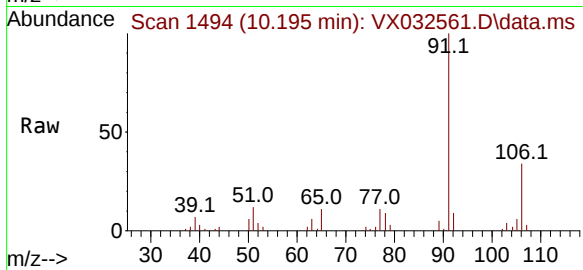
TRE-1674

Tgt Ion: 91 Resp: 10594

Ion Ratio Lower Upper

91 100

106 34.0 25.0 37.6



#68

m/p-Xylenes

Concen: 4.513 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX032561.D

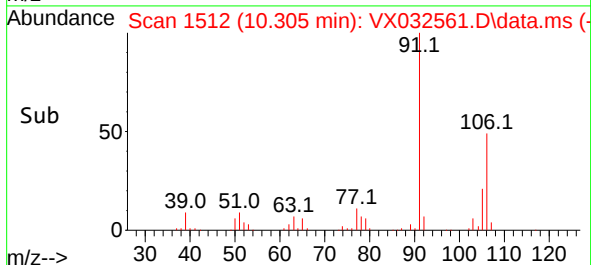
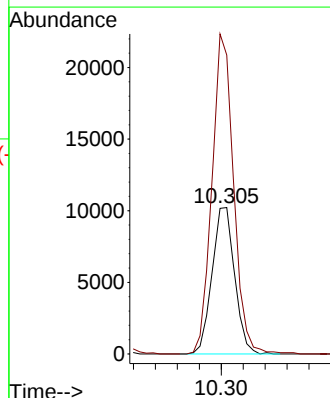
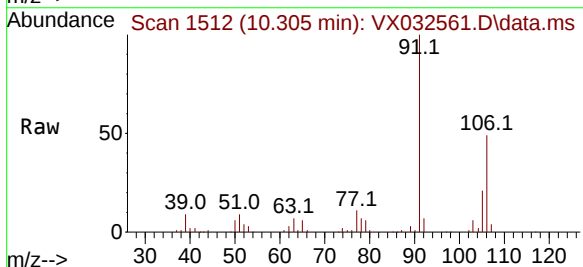
Acq: 03 Nov 2022 17:24

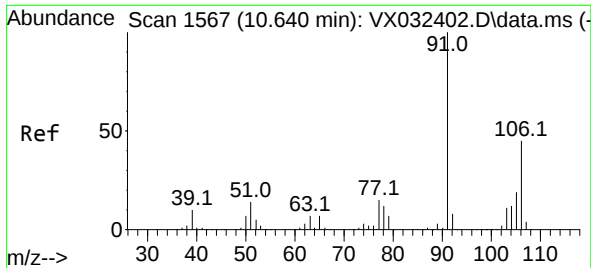
Tgt Ion: 106 Resp: 14627

Ion Ratio Lower Upper

106 100

91 209.7 164.5 246.7

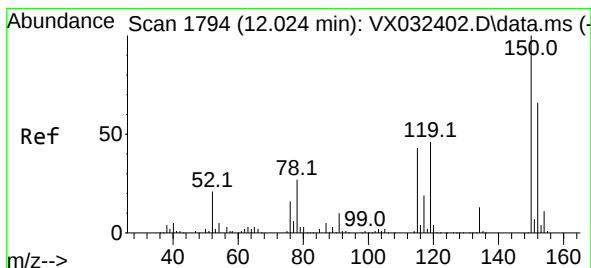
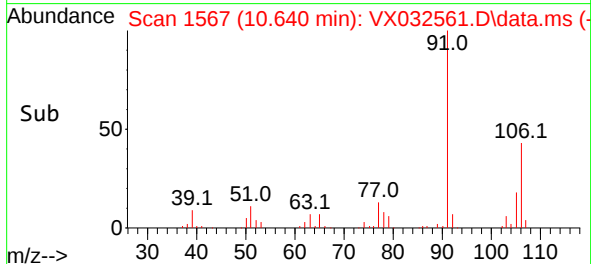
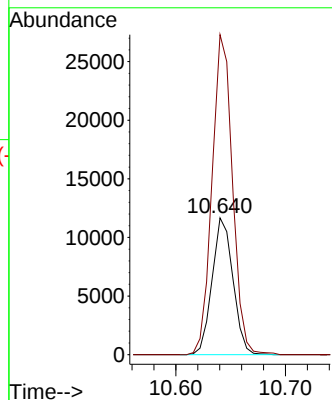
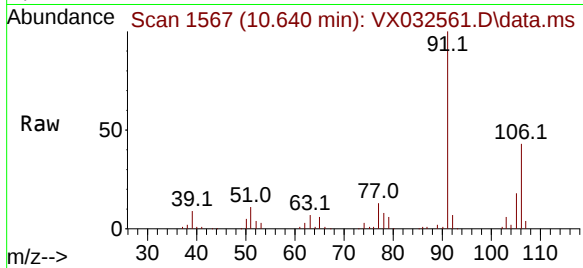




#69
o-Xylene
Concen: 4.897 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

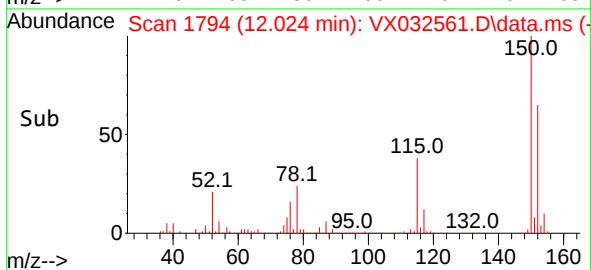
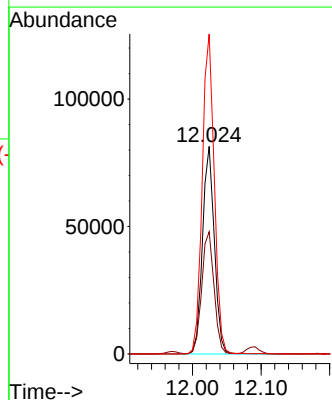
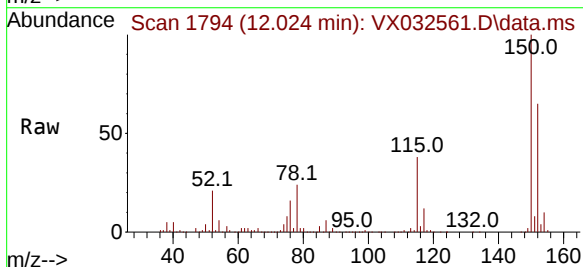
Instrument :
MSVOA_X
ClientSampleId :
TRE-1674

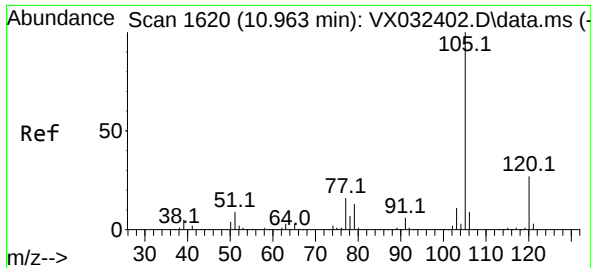
Tgt Ion:106 Resp: 15431
Ion Ratio Lower Upper
106 100
91 229.5 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

Tgt Ion:152 Resp: 98388
Ion Ratio Lower Upper
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115 60.9 44.0 132.0
150 156.3 0.0 351.8

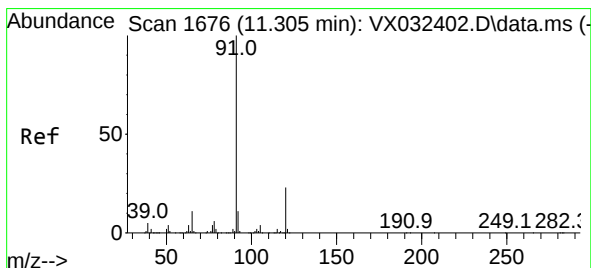
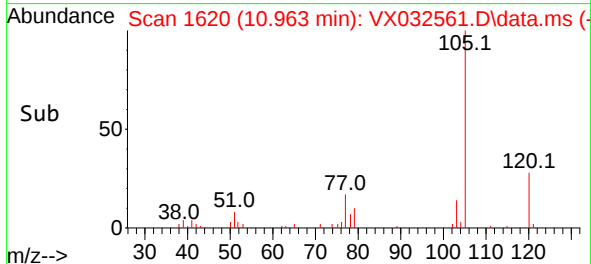
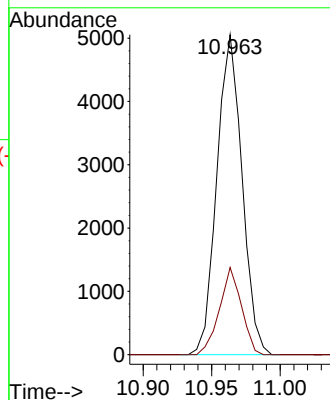
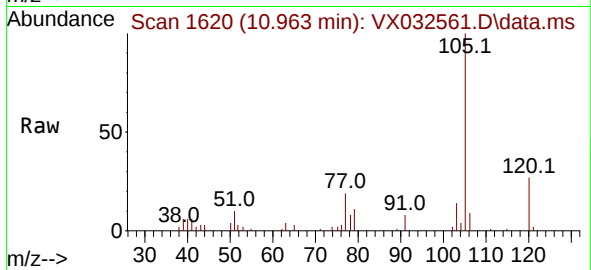




#73
Isopropylbenzene
Concen: 0.827 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

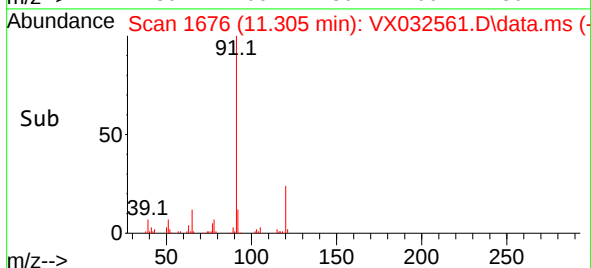
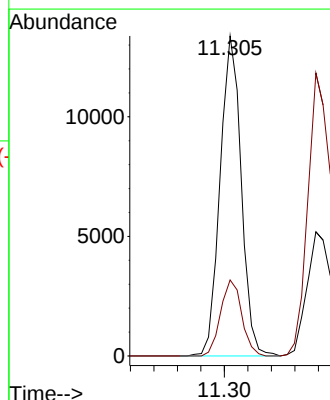
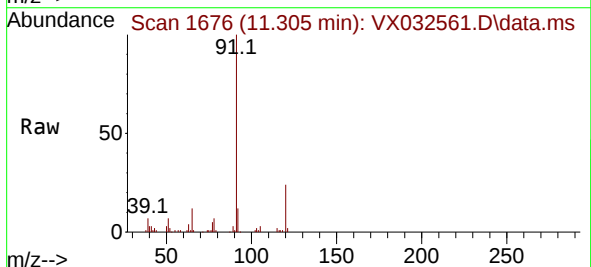
Instrument :
MSVOA_X
ClientSampleId :
TRE-1674

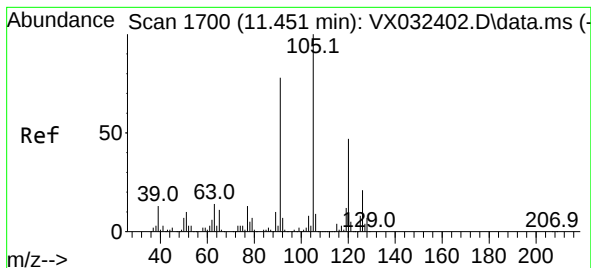
Tgt Ion:105 Resp: 6447
Ion Ratio Lower Upper
105 100
120 23.8 13.1 39.3



#78
n-propylbenzene
Concen: 1.861 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX032561.D
Acq: 03 Nov 2022 17:24

Tgt Ion: 91 Resp: 16719
Ion Ratio Lower Upper
91 100
120 23.8 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 4.830 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX032561.D

Acq: 03 Nov 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

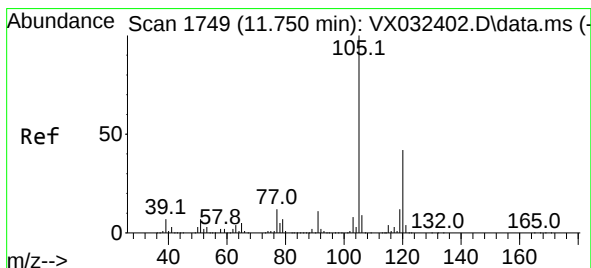
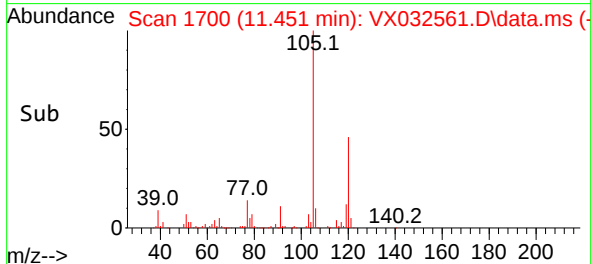
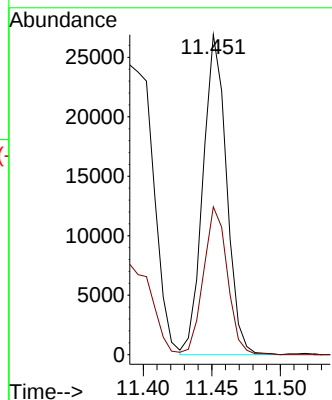
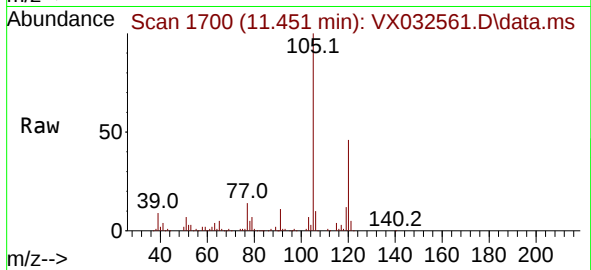
TRE-1674

Tgt Ion:105 Resp: 32186

Ion Ratio Lower Upper

105 100

120 46.7 23.6 71.0



#84

1,2,4-Trimethylbenzene

Concen: 9.317 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX032561.D

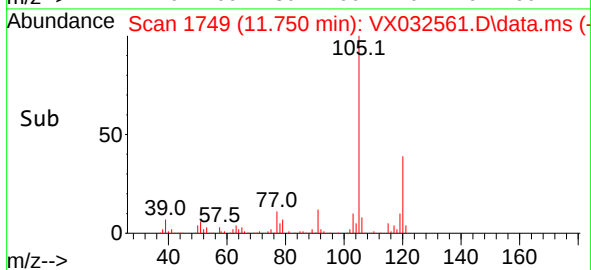
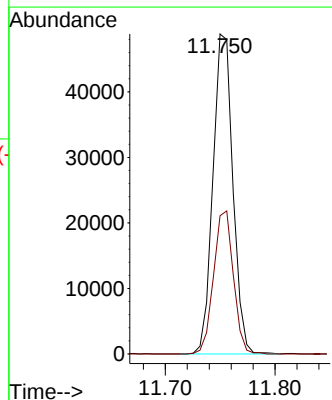
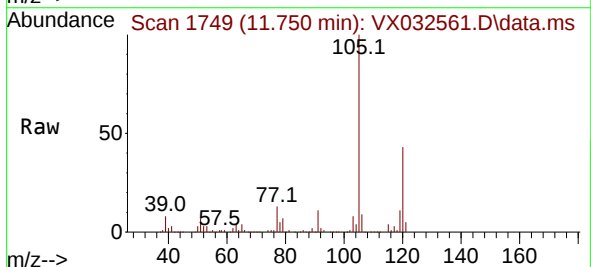
Acq: 03 Nov 2022 17:24

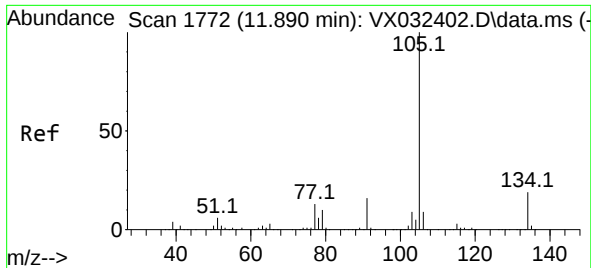
Tgt Ion:105 Resp: 61745

Ion Ratio Lower Upper

105 100

120 44.4 21.9 65.5

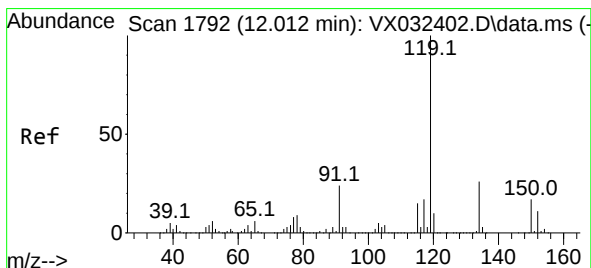
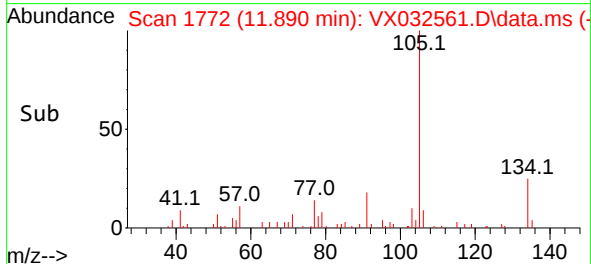
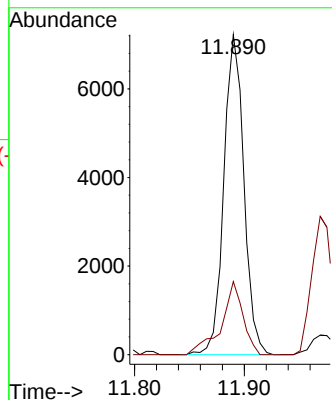
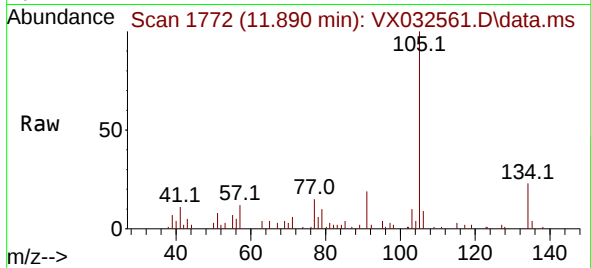




#85
 sec-Butylbenzene
 Concen: 1.148 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX032561.D
 Acq: 03 Nov 2022 17:24

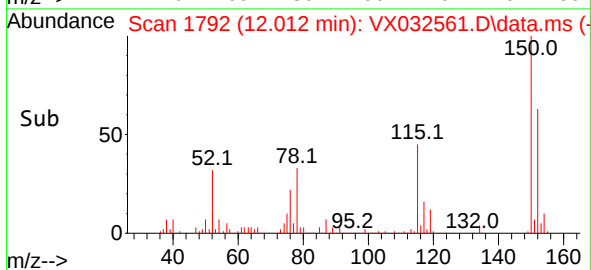
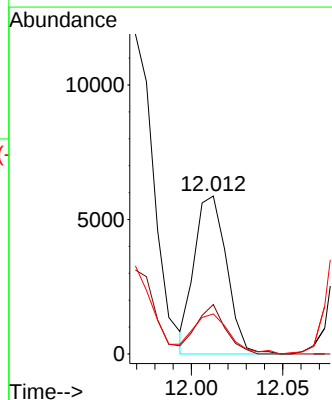
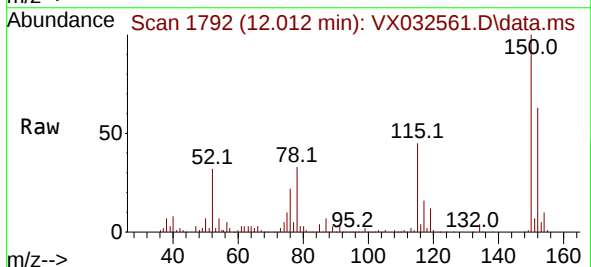
Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1674

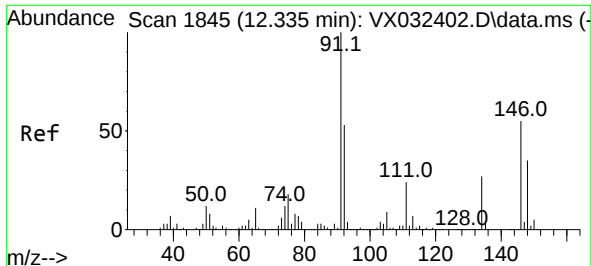
Tgt Ion:105 Resp: 9190
 Ion Ratio Lower Upper
 105 100
 134 24.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 1.066 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX032561.D
 Acq: 03 Nov 2022 17:24

Tgt Ion:119 Resp: 7241
 Ion Ratio Lower Upper
 119 100
 134 28.2 12.9 38.7
 91 28.2 12.5 37.5





#89

n-Butylbenzene

Concen: 4.276 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX032561.D

Acq: 03 Nov 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

TRE-1674

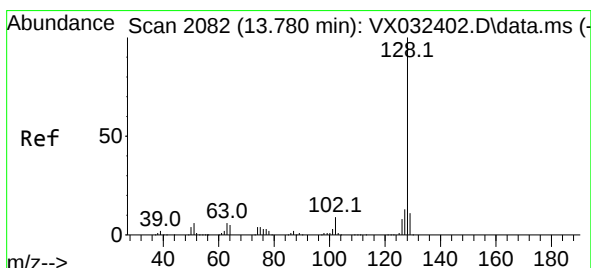
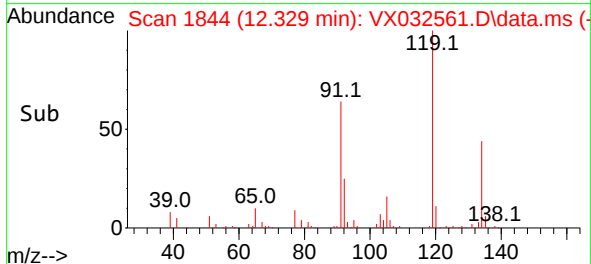
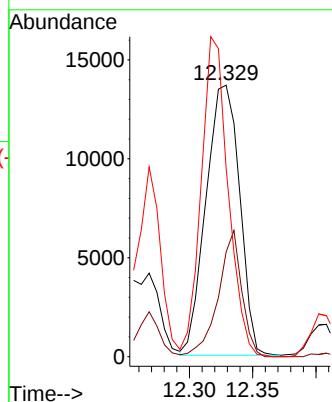
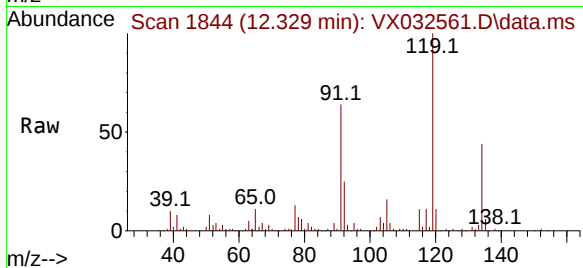
Tgt Ion: 91 Resp: 25269

Ion Ratio Lower Upper

91 100

92 32.6 26.2 78.6

134 94.9 12.9 38.6#



#95

Naphthalene

Concen: 2.307 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX032561.D

Acq: 03 Nov 2022 17:24

Tgt Ion: 128 Resp: 17817

Ion Ratio Lower Upper

128 100

127 15.6 10.2 15.4#

129 18.9 8.9 13.3#

