

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033040.D
 Acq On : 24 Nov 2022 05:41
 Operator : JC/MD
 Sample : N5741-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-32

Quant Time: Nov 25 06:37:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

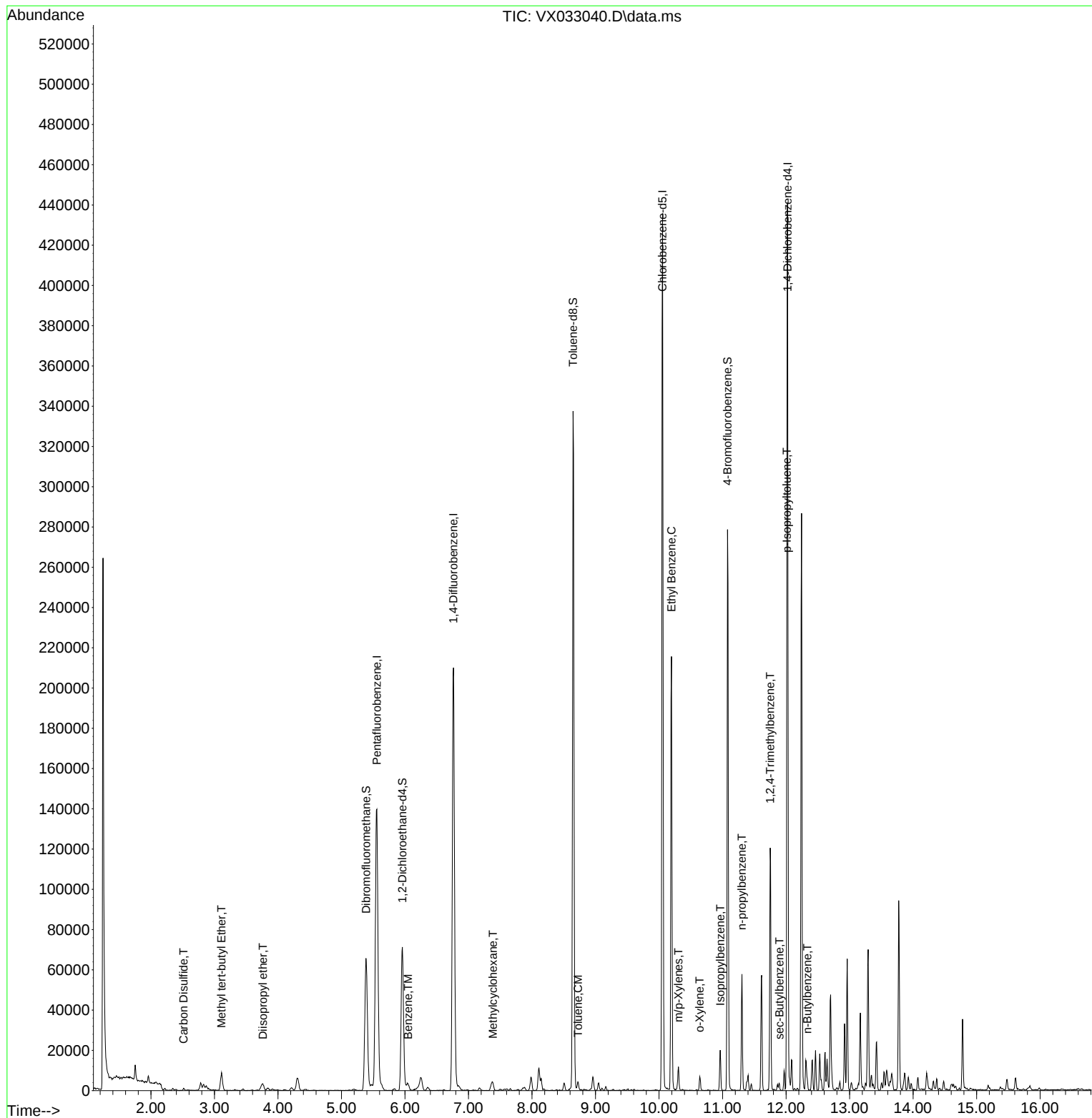
Internal Standards						
1) Pentafluorobenzene	5.556	168	134706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217258	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72388	55.328	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.660%	
35) Dibromofluoromethane	5.385	113	56472	46.106	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.220%	
50) Toluene-d8	8.647	98	196511	53.473	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.940%	
62) 4-Bromofluorobenzene	11.079	95	70845	44.032	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.060%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	2.514	76	1223	0.377	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	6397	1.569	ug/l #	57
22) Diisopropyl ether	3.763	45	2947	0.713	ug/l #	95
39) Methylcyclohexane	7.385	83	1710	0.765	ug/l #	87
40) Benzene	6.050	78	4060	0.739	ug/l	92
52) Toluene	8.726	92	1755	0.486	ug/l	92
67) Ethyl Benzene	10.195	91	122771	18.095	ug/l	99
68) m/p-Xylenes	10.305	106	2709	1.020	ug/l	100
69) o-Xylene	10.640	106	1616	0.629	ug/l	98
73) Isopropylbenzene	10.963	105	10129	1.540	ug/l	99
78) n-propylbenzene	11.305	91	33789	4.492	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	54645	9.916	ug/l	99
85) sec-Butylbenzene	11.896	105	2135	0.324	ug/l	91
86) p-Isopropyltoluene	12.012	119	1648	0.296	ug/l #	81
89) n-Butylbenzene	12.335	91	3566	0.742	ug/l #	67

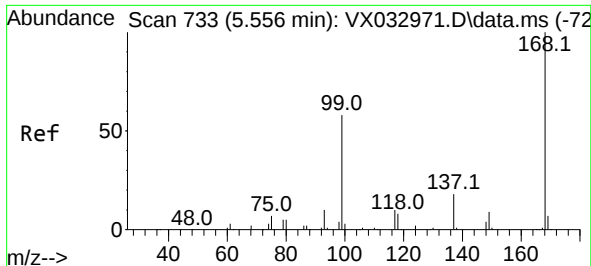
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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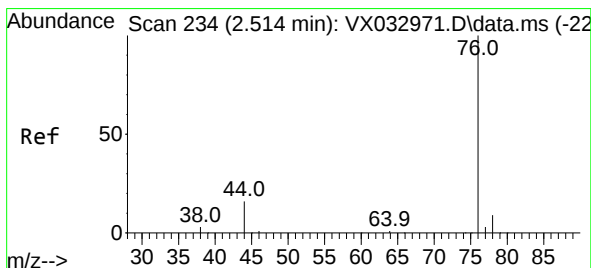
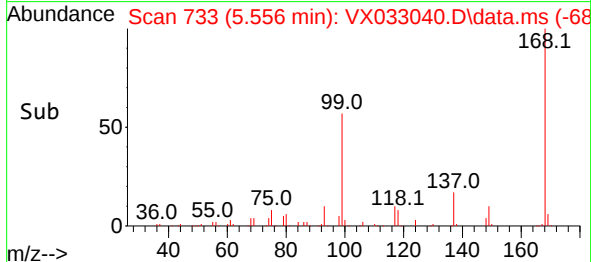
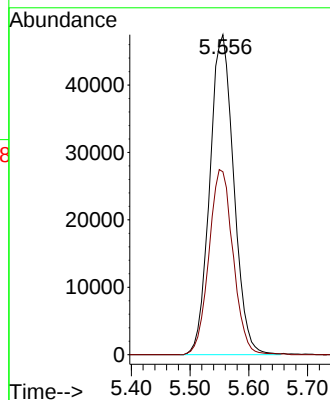
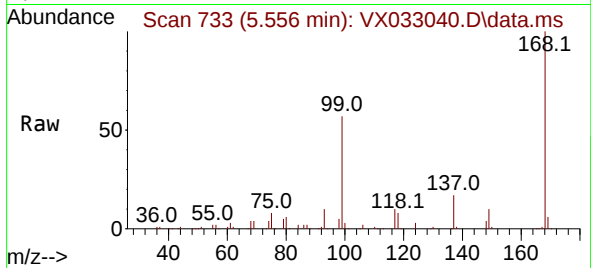




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

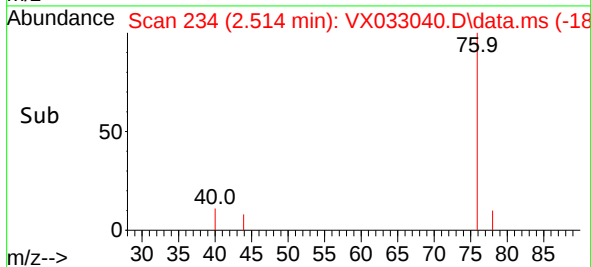
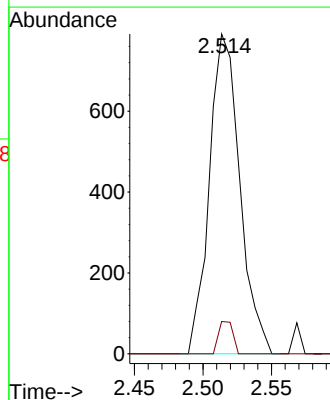
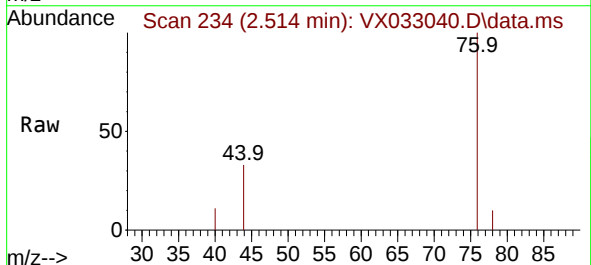
Instrument :
MSVOA_X
ClientSampleId :
MW-32

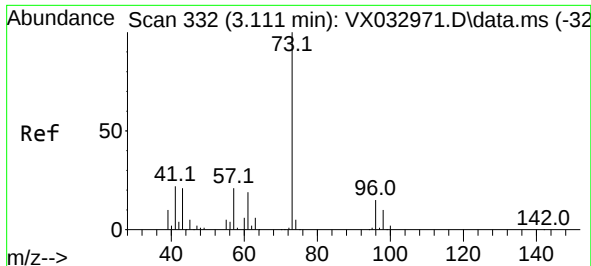
Tgt Ion:168 Resp: 134706
Ion Ratio Lower Upper
168 100
99 57.1 46.1 69.1



#17
Carbon Disulfide
Concen: 0.377 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

Tgt Ion: 76 Resp: 1223
Ion Ratio Lower Upper
76 100
78 10.1 7.5 11.3

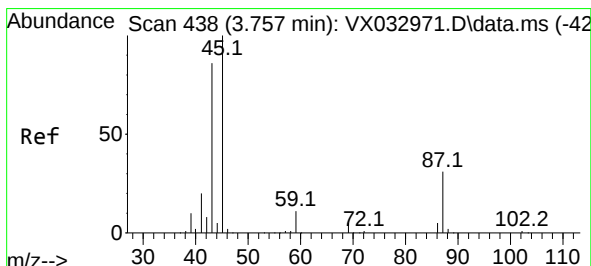
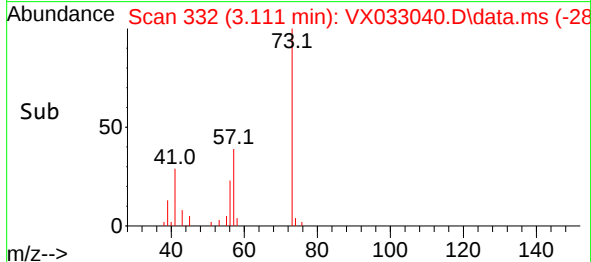
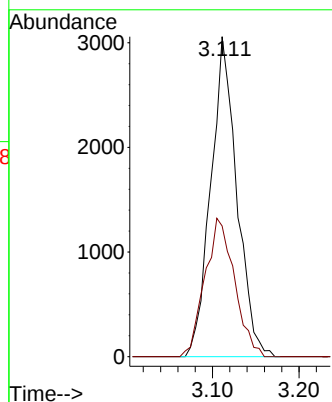
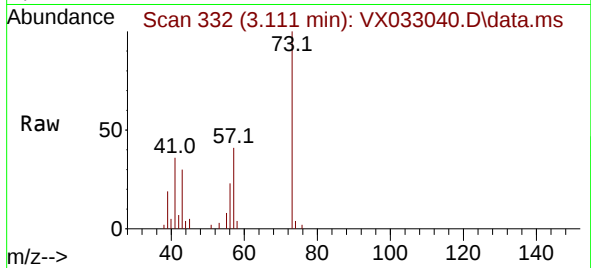




#19
Methyl tert-butyl Ether
Concen: 1.569 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

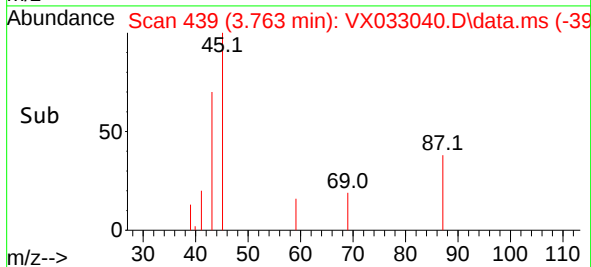
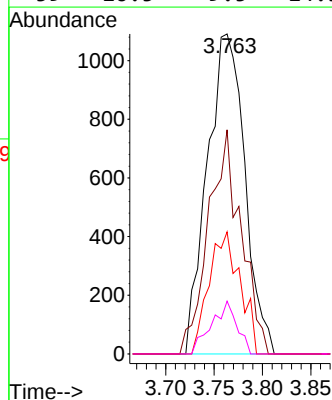
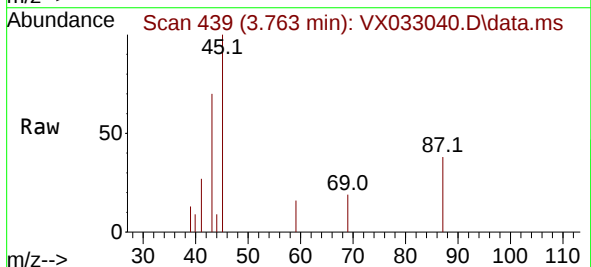
Instrument :
MSVOA_X
ClientSampleId :
MW-32

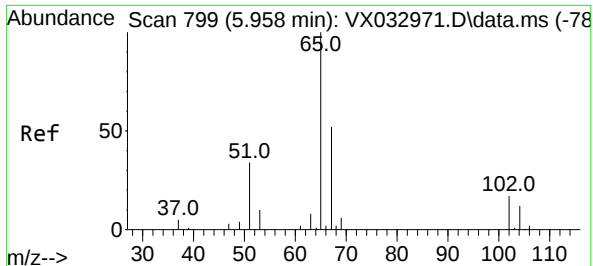
Tgt Ion: 73 Resp: 6397
Ion Ratio Lower Upper
73 100
57 40.8 16.6 25.0#



#22
Diisopropyl ether
Concen: 0.713 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

Tgt Ion: 45 Resp: 2947
Ion Ratio Lower Upper
45 100
43 70.0 56.4 84.6
87 38.1 24.4 36.6#
59 16.5 9.5 14.3#





#33

1,2-Dichloroethane-d4

Concen: 55.328 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033040.D

Acq: 24 Nov 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

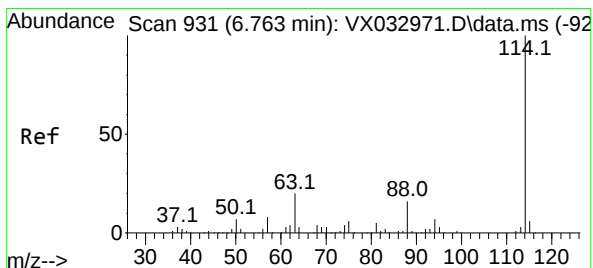
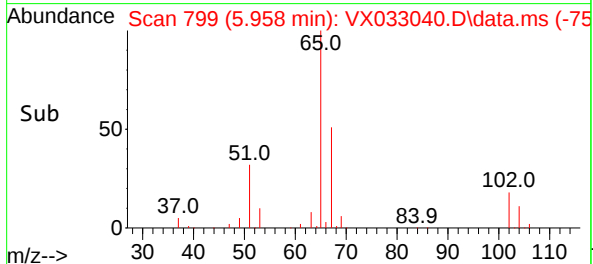
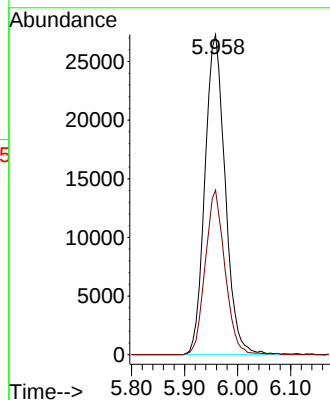
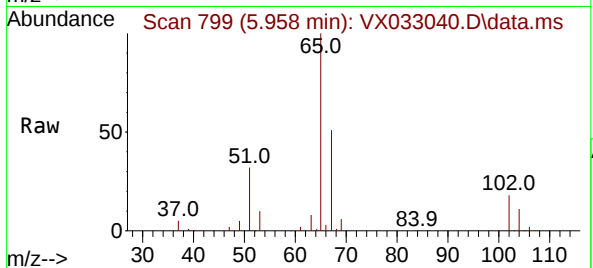
MW-32

Tgt Ion: 65 Resp: 72388

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033040.D

Acq: 24 Nov 2022 05:41

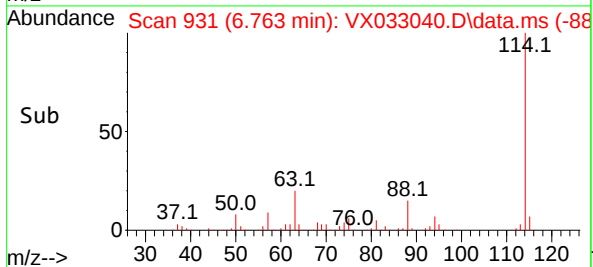
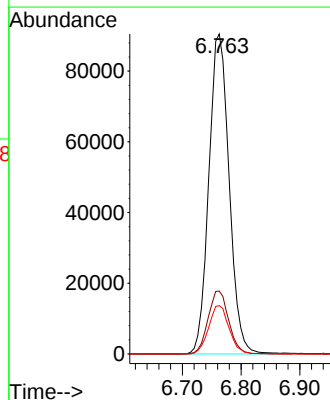
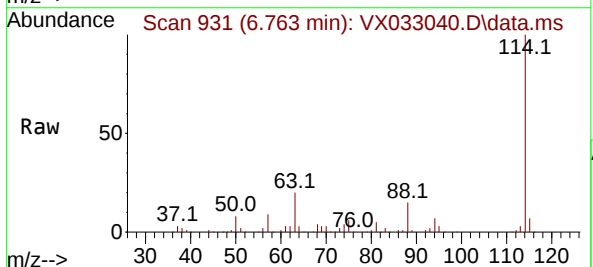
Tgt Ion: 114 Resp: 217258

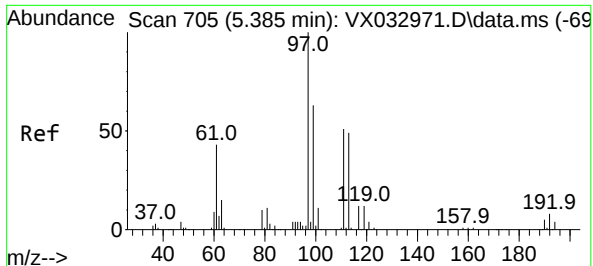
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.6

88 15.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.106 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033040.D

Acq: 24 Nov 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

MW-32

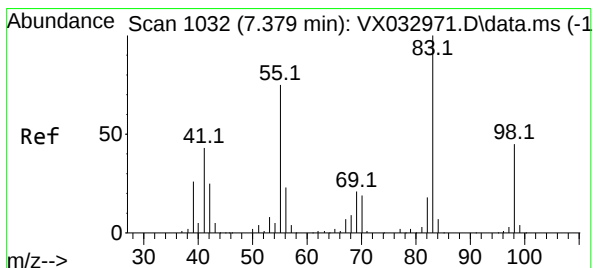
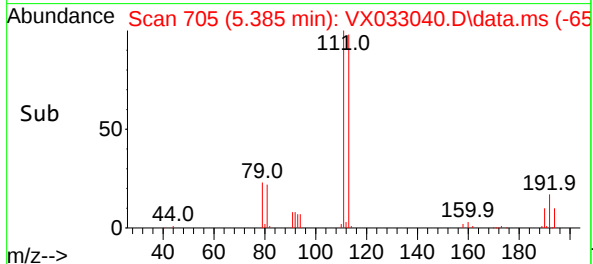
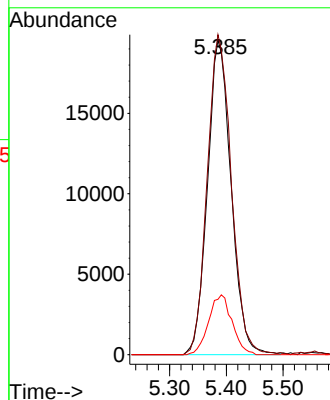
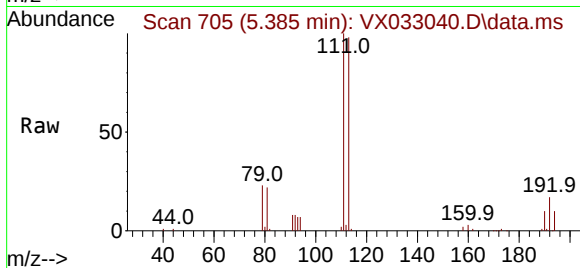
Tgt Ion:113 Resp: 56472

Ion Ratio Lower Upper

113 100

111 104.0 82.4 123.6

192 18.9 15.4 23.2



#39

Methylcyclohexane

Concen: 0.765 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX033040.D

Acq: 24 Nov 2022 05:41

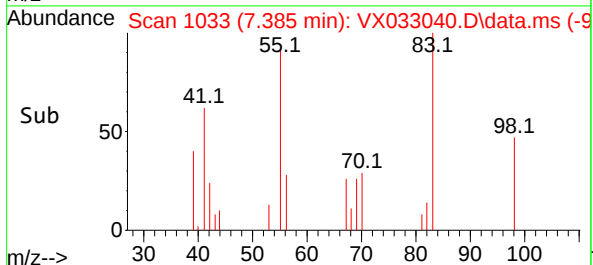
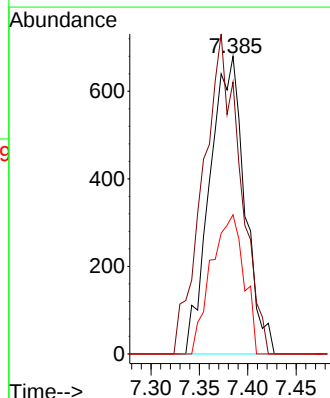
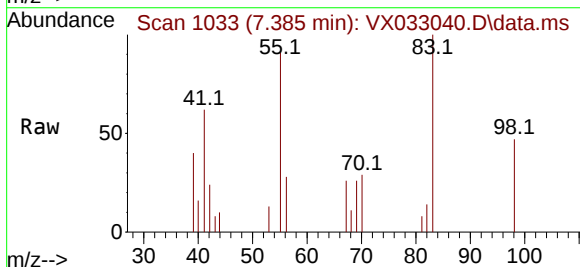
Tgt Ion: 83 Resp: 1710

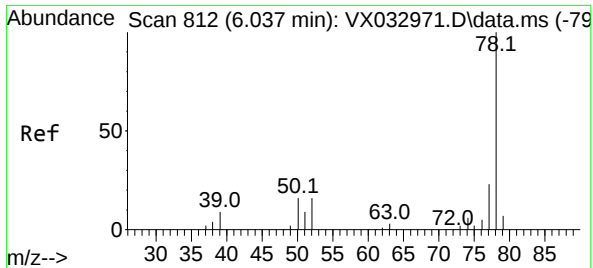
Ion Ratio Lower Upper

83 100

55 91.3 58.4 87.6#

98 46.8 37.2 55.8

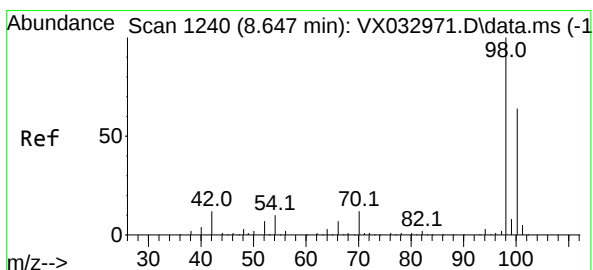
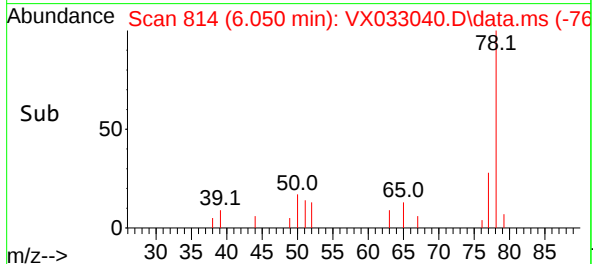
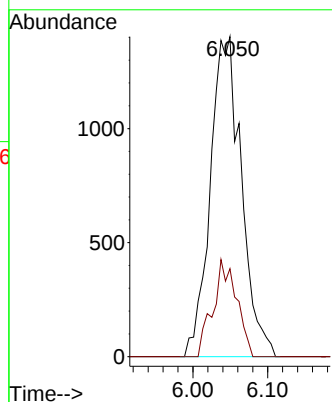
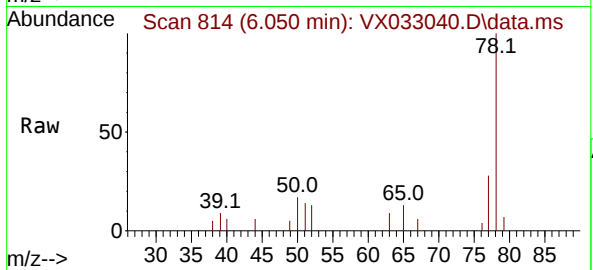




#40
Benzene
Concen: 0.739 ug/l
RT: 6.050 min Scan# 812
Delta R.T. 0.013 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

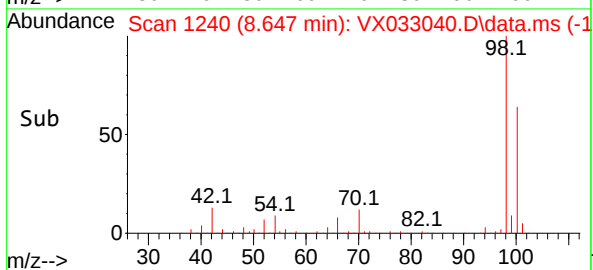
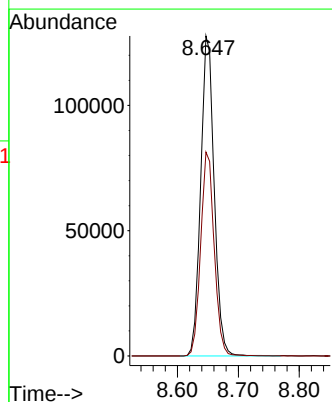
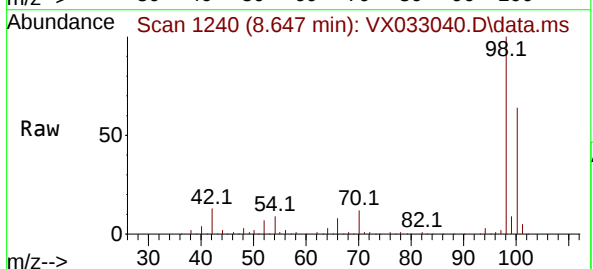
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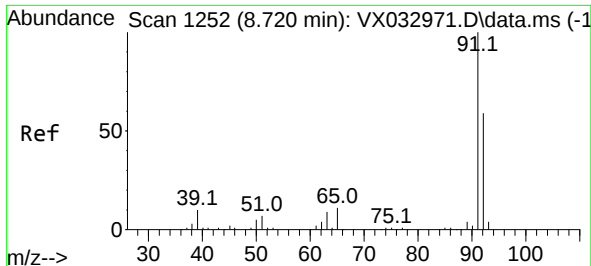
Tgt Ion: 78 Resp: 4060
Ion Ratio Lower Upper
78 100
77 27.5 19.0 28.4



#50
Toluene-d8
Concen: 53.473 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

Tgt Ion: 98 Resp: 196511
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3





#52

Toluene

Concen: 0.486 ug/l

RT: 8.726 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX033040.D

Acq: 24 Nov 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

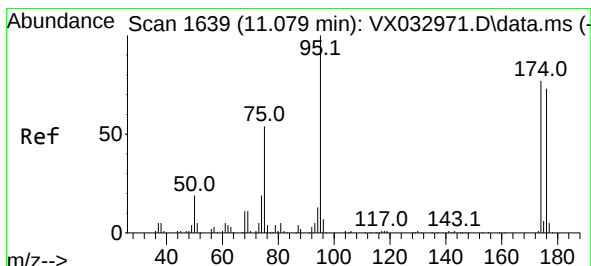
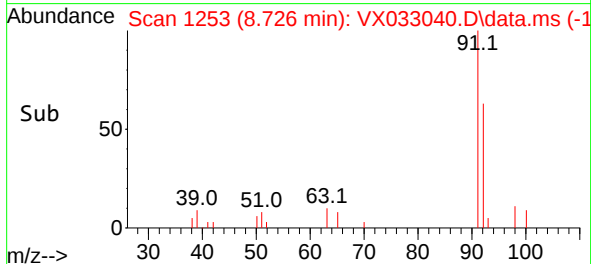
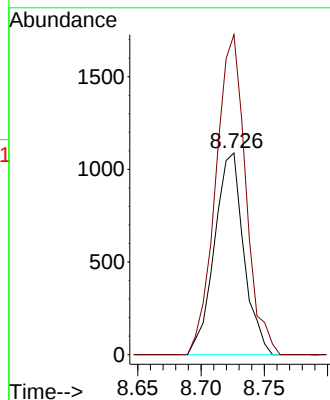
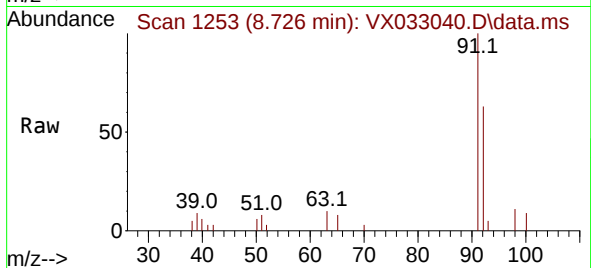
MW-32

Tgt Ion: 92 Resp: 1755

Ion Ratio Lower Upper

92 100

91 162.2 138.3 207.5



#62

4-Bromofluorobenzene

Concen: 44.032 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033040.D

Acq: 24 Nov 2022 05:41

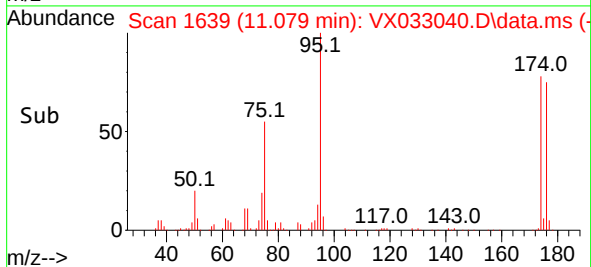
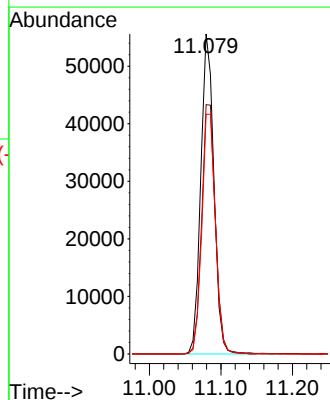
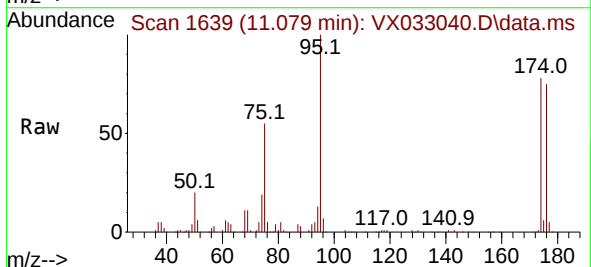
Tgt Ion: 95 Resp: 70845

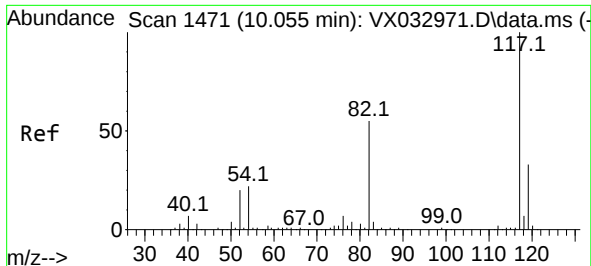
Ion Ratio Lower Upper

95 100

174 81.0 0.0 164.0

176 77.9 0.0 154.4

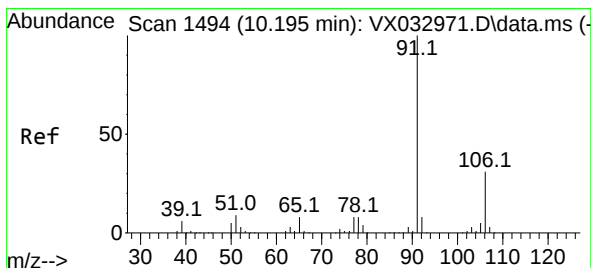
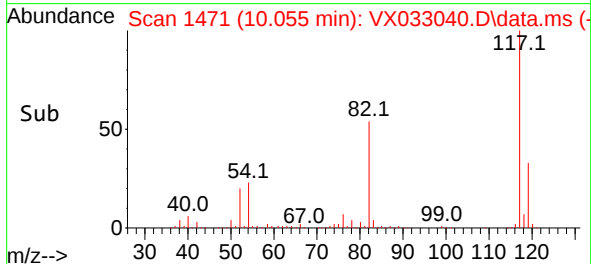
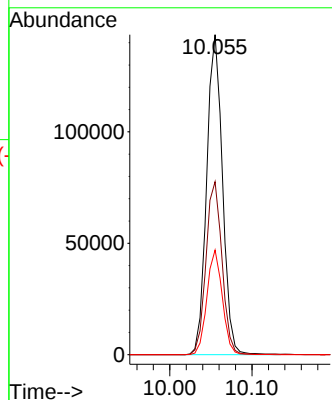
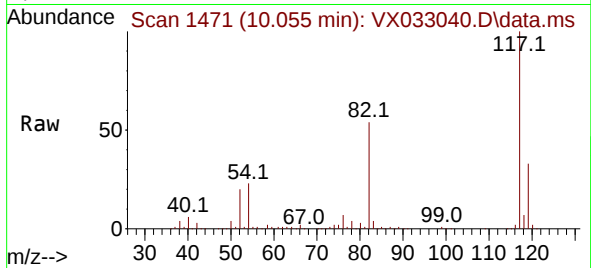




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

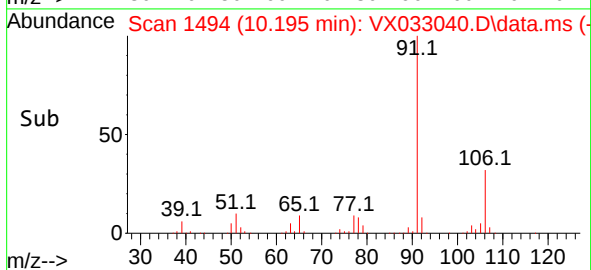
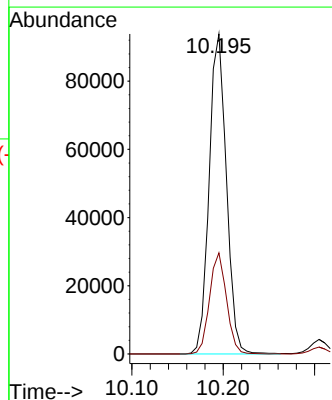
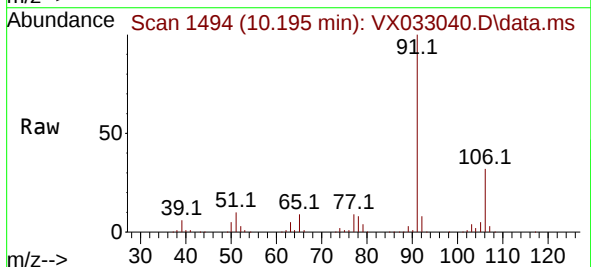
Instrument :
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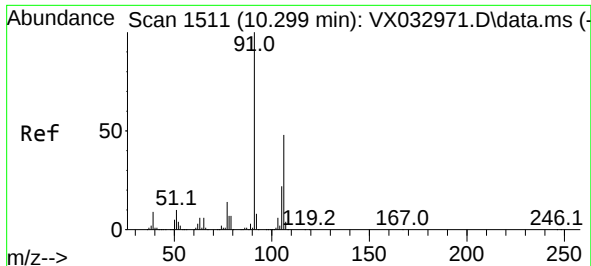
Tgt Ion:117 Resp: 191844
Ion Ratio Lower Upper
117 100
82 54.1 44.3 66.5
119 32.7 25.7 38.5



#67
Ethyl Benzene
Concen: 18.095 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

Tgt Ion: 91 Resp: 122771
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6

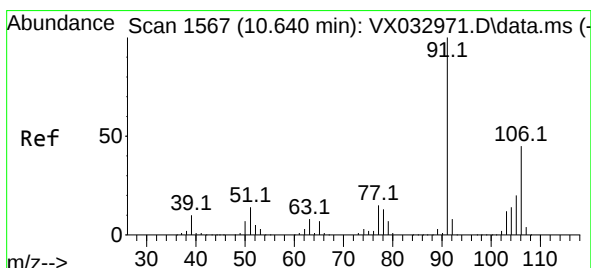
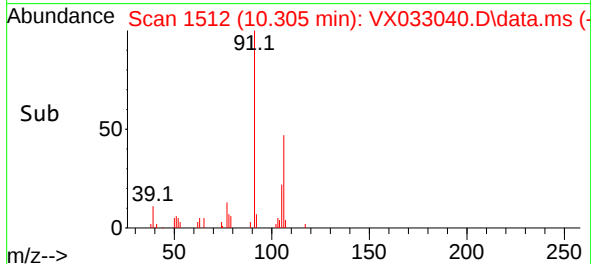
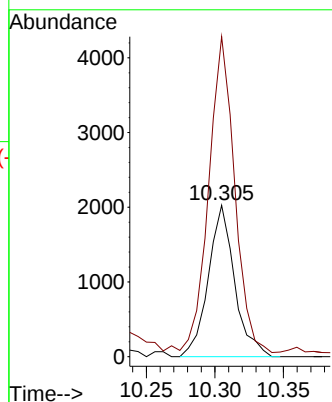
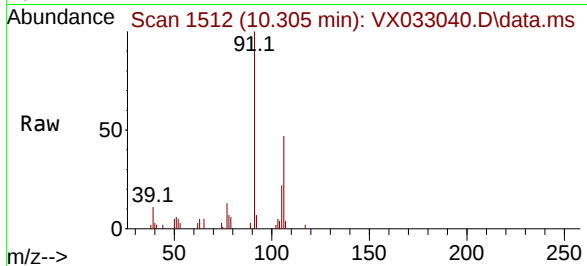




#68
m/p-Xylenes
Concen: 1.020 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

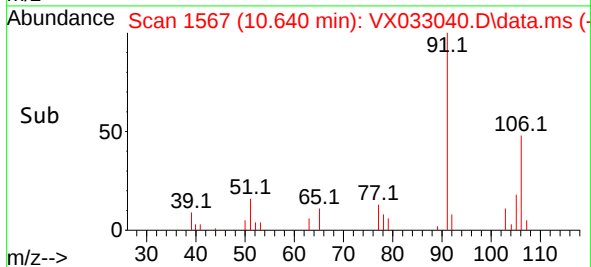
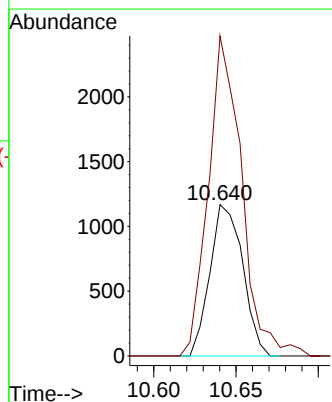
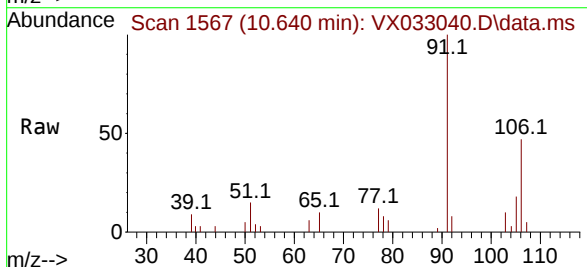
Instrument :
MSVOA_X
ClientSampleId :
MW-32

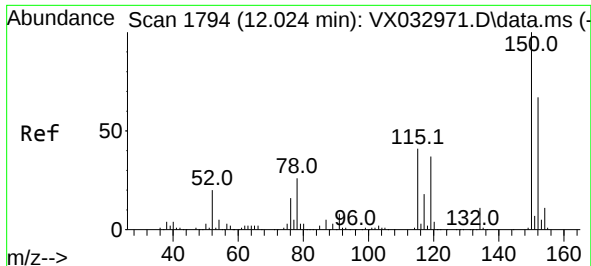
Tgt Ion:106 Resp: 2709
Ion Ratio Lower Upper
106 100
91 205.6 164.5 246.7



#69
o-Xylene
Concen: 0.629 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

Tgt Ion:106 Resp: 1616
Ion Ratio Lower Upper
106 100
91 216.0 109.2 327.6

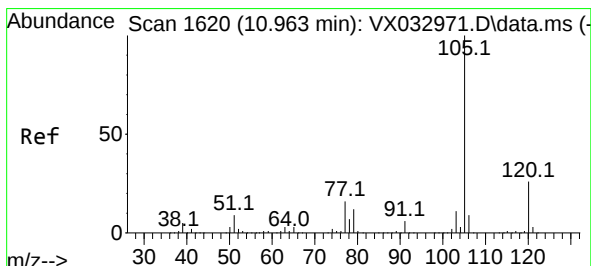
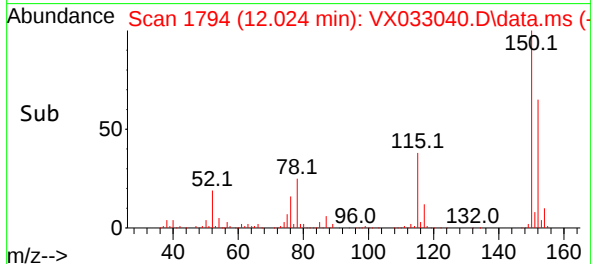
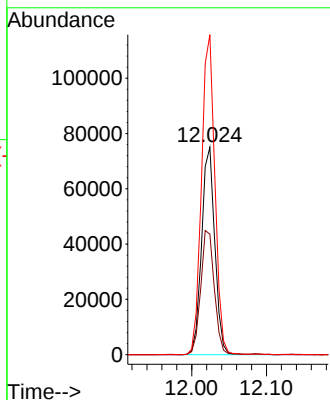
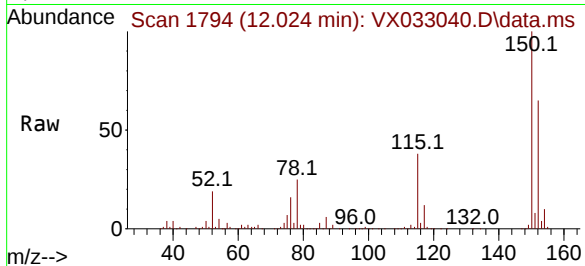




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

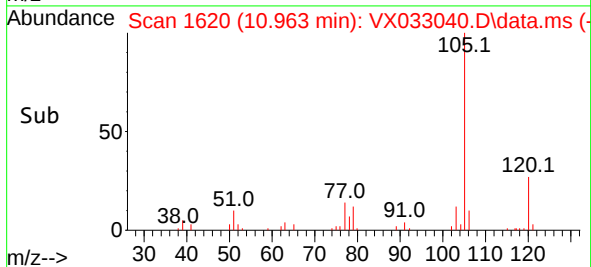
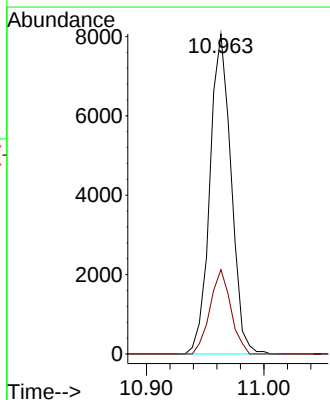
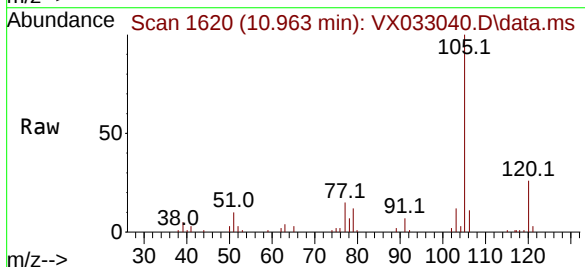
Instrument :
MSVOA_X
ClientSampleId :
MW-32

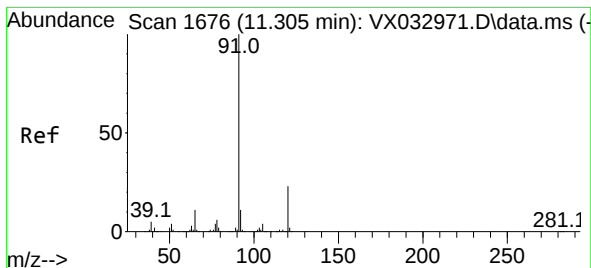
Tgt Ion:152 Resp: 92062
Ion Ratio Lower Upper
152 100
115 61.7 44.0 132.0
150 156.5 0.0 351.8



#73
Isopropylbenzene
Concen: 1.540 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033040.D
Acq: 24 Nov 2022 05:41

Tgt Ion:105 Resp: 10129
Ion Ratio Lower Upper
105 100
120 25.8 13.1 39.3





#78

n-propylbenzene

Concen: 4.492 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033040.D

Acq: 24 Nov 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

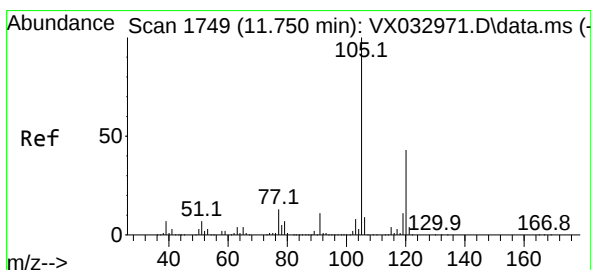
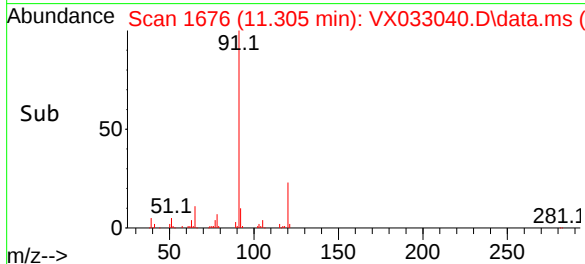
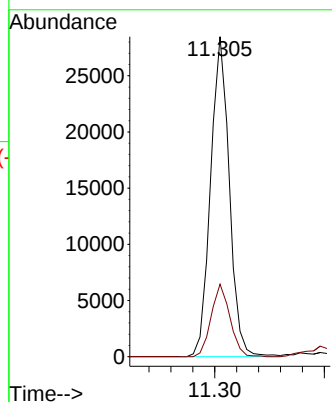
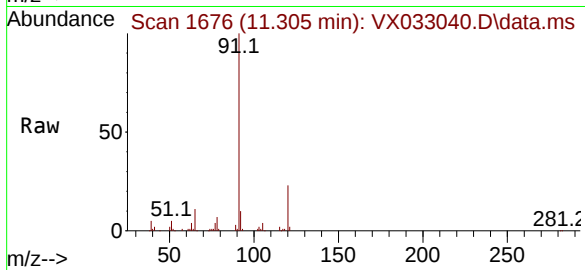
MW-32

Tgt Ion: 91 Resp: 33789

Ion Ratio Lower Upper

91 100

120 22.7 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 9.916 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX033040.D

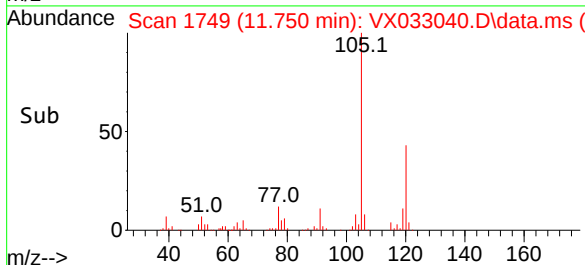
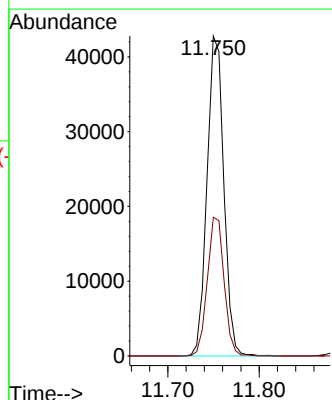
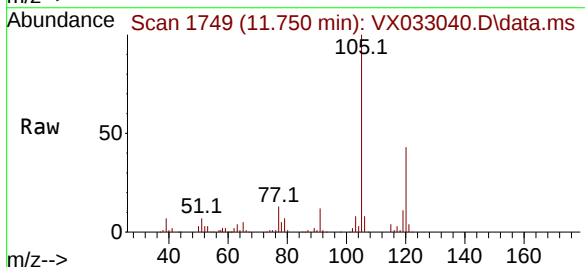
Acq: 24 Nov 2022 05:41

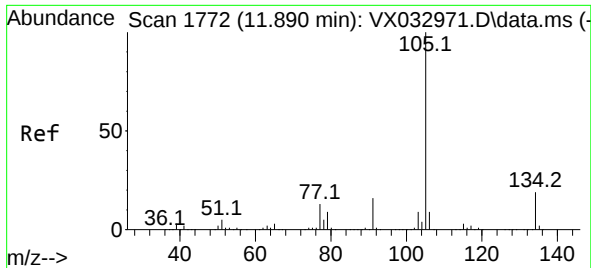
Tgt Ion: 105 Resp: 54645

Ion Ratio Lower Upper

105 100

120 43.4 21.9 65.5

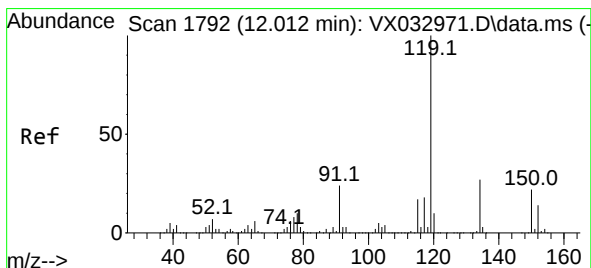
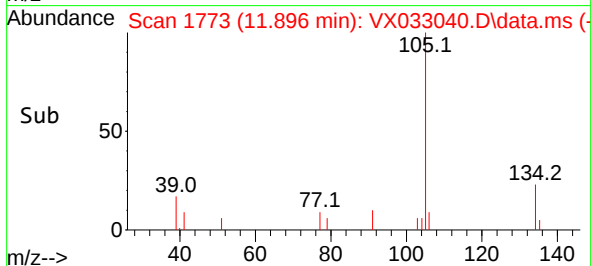
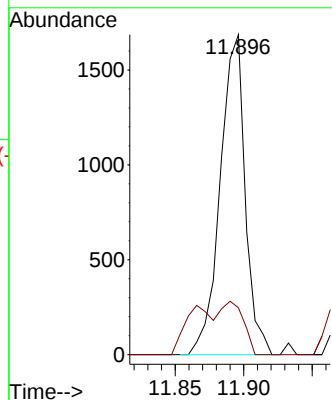
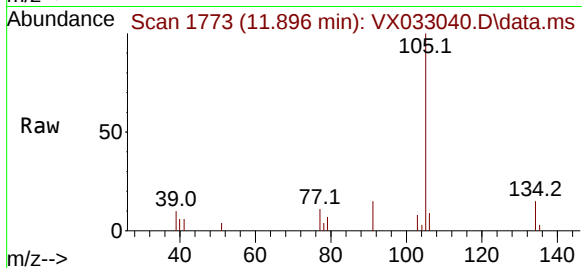




#85
 sec-Butylbenzene
 Concen: 0.324 ug/l
 RT: 11.896 min Scan# 1772
 Delta R.T. 0.006 min
 Lab File: VX033040.D
 Acq: 24 Nov 2022 05:41

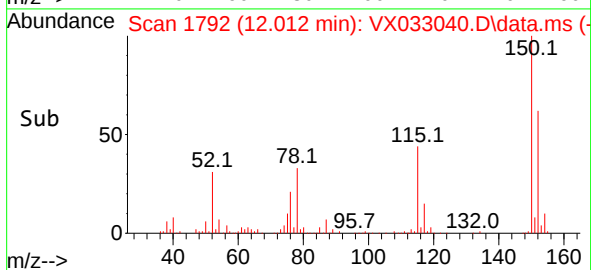
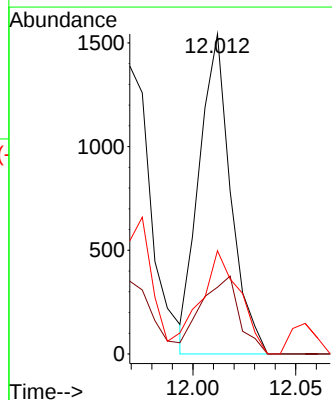
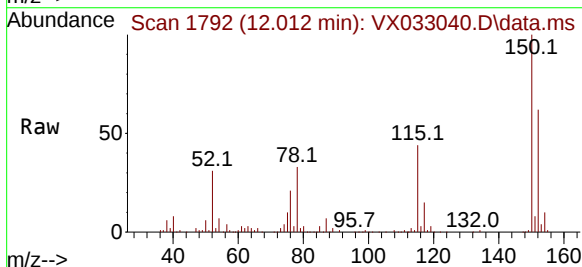
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-32

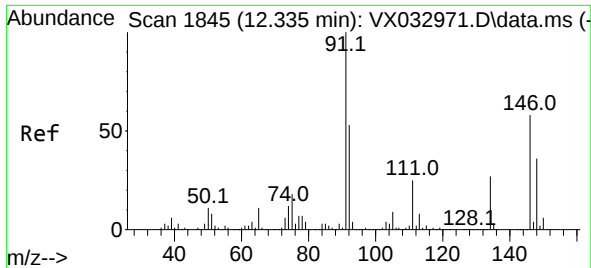
Tgt Ion:105 Resp: 2135
 Ion Ratio Lower Upper
 105 100
 134 15.6 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 0.296 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX033040.D
 Acq: 24 Nov 2022 05:41

Tgt Ion:119 Resp: 1648
 Ion Ratio Lower Upper
 119 100
 134 29.4 12.9 38.7
 91 40.9 12.5 37.5#





#89

n-Butylbenzene

Concen: 0.742 ug/l

RT: 12.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033040.D

Acq: 24 Nov 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

MW-32

Tgt Ion: 91 Resp: 3566

Ion Ratio Lower Upper

91 100

92 35.2 26.2 78.6

134 0.0 12.9 38.6#

