

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110922\
 Data File : VX032681.D
 Acq On : 09 Nov 2022 15:54
 Operator : JC/MD
 Sample : N5514-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6I

Quant Time: Nov 10 03:05:12 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	5.556	168	112109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	186255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80427	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78668	50.502	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.000%
35) Dibromofluoromethane	5.391	113	61008	45.920	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.840%
50) Toluene-d8	8.653	98	228172	49.391	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.780%
62) 4-Bromofluorobenzene	11.079	95	88214	48.883	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.760%

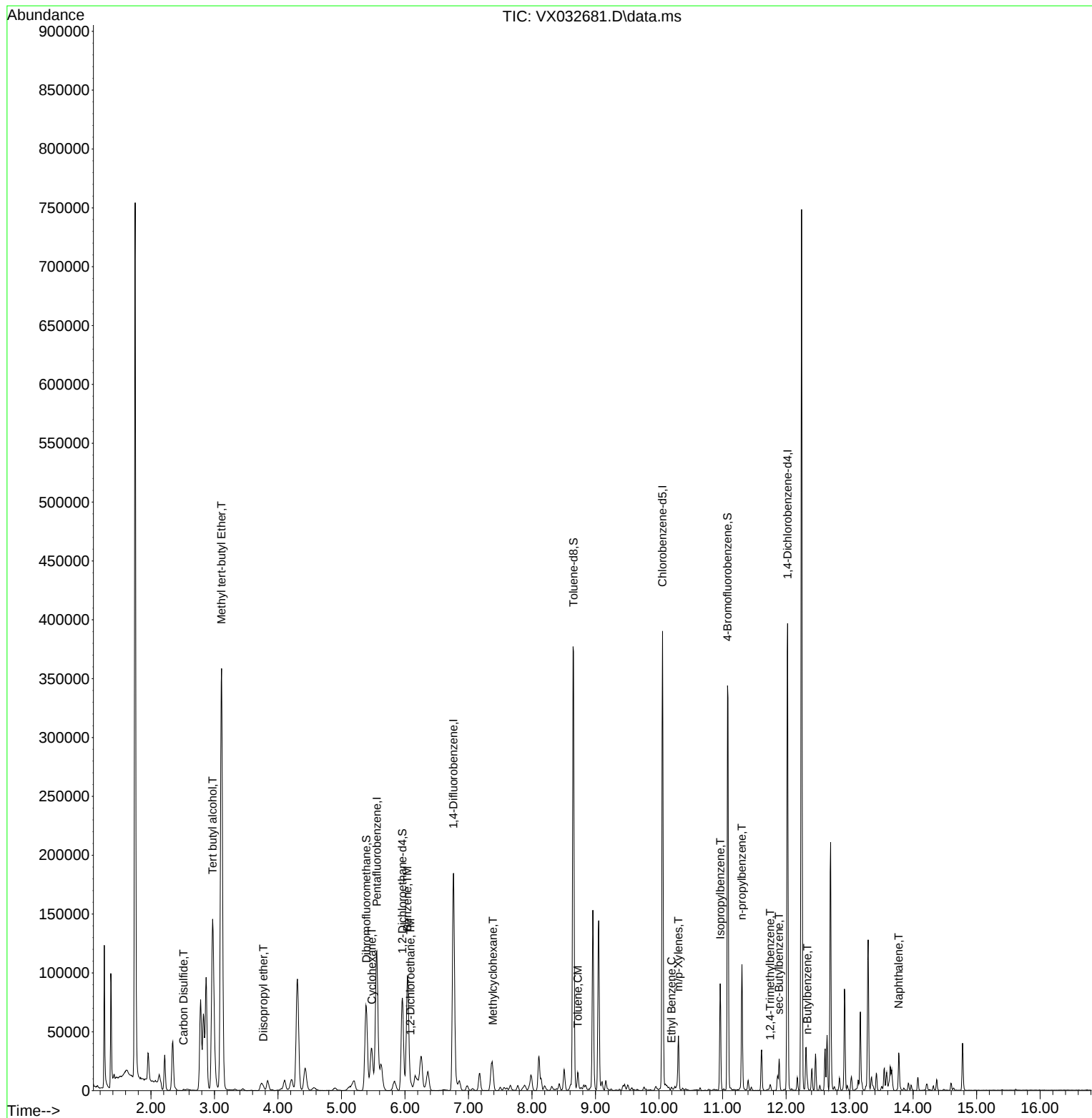
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	201425	888.409	ug/l	100
17) Carbon Disulfide	2.513	76	1212	0.453	ug/l #	90
19) Methyl tert-butyl Ether	3.111	73	299712	75.846	ug/l #	61
22) Diisopropyl ether	3.769	45	4318	1.114	ug/l #	81
31) Cyclohexane	5.476	56	24061	12.739	ug/l	97
39) Methylcyclohexane	7.385	83	8328	3.805	ug/l	97
40) Benzene	6.037	78	118130	22.563	ug/l	99
42) 1,2-Dichloroethane	6.086	62	4972	2.323	ug/l	81
52) Toluene	8.720	92	5152	1.508	ug/l	96
67) Ethyl Benzene	10.195	91	1748	0.263	ug/l	92
68) m/p-Xylenes	10.305	106	9691	3.749	ug/l	95
73) Isopropylbenzene	10.963	105	44217	6.938	ug/l	100
78) n-propylbenzene	11.305	91	63173	8.603	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	2172	0.401	ug/l	98
85) sec-Butylbenzene	11.890	105	13466	2.058	ug/l	79
89) n-Butylbenzene	12.335	91	6756	1.399	ug/l #	46
95) Naphthalene	13.774	128	19963	3.162	ug/l	99

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

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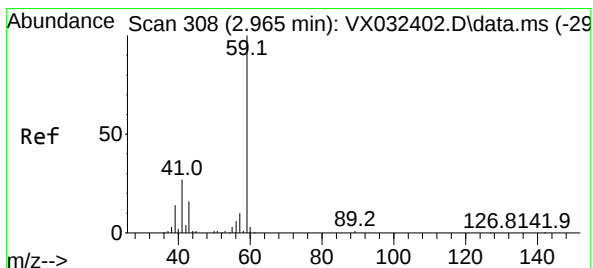
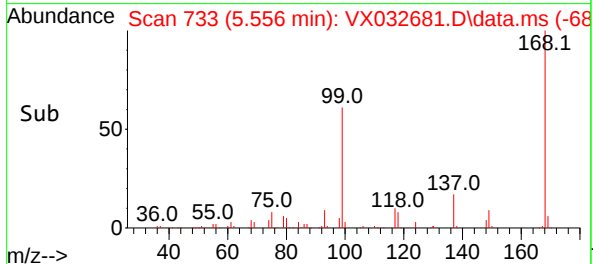
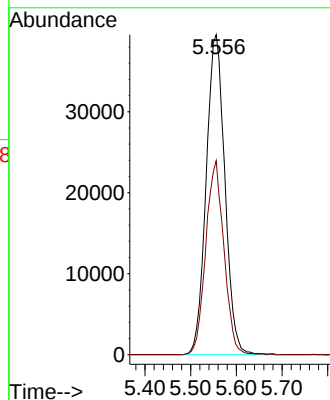
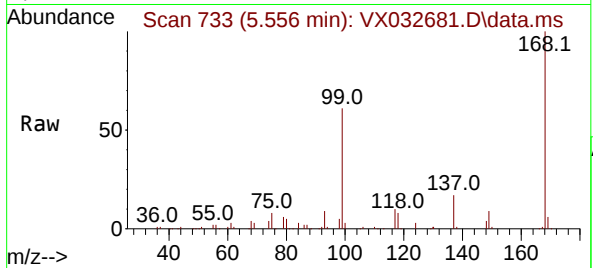




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

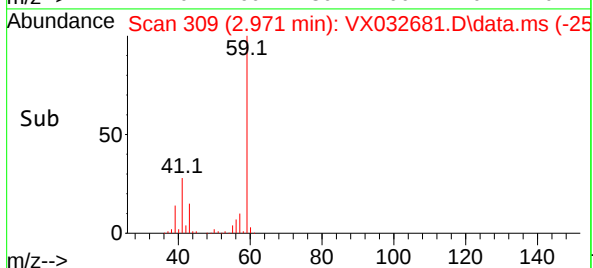
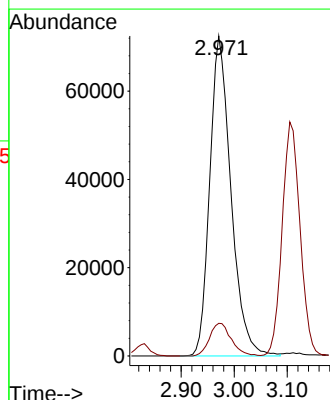
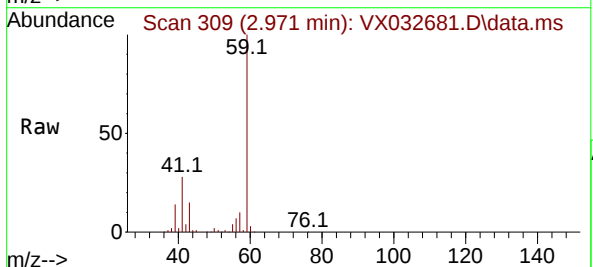
Instrument :
MSVOA_X
ClientSampleId :
MW-6I

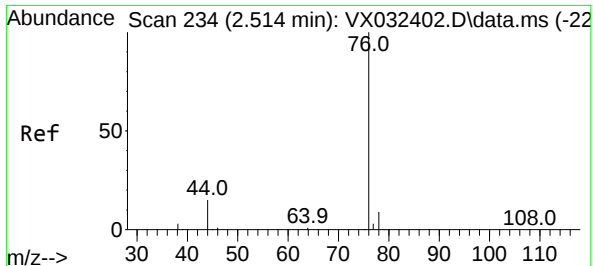
Tgt Ion:168 Resp: 112109
Ion Ratio Lower Upper
168 100
99 60.6 46.1 69.1



#11
Tert butyl alcohol
Concen: 888.409 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.006 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

Tgt Ion: 59 Resp: 201425
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4





#17

Carbon Disulfide

Concen: 0.453 ug/l

RT: 2.513 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX032681.D

Acq: 09 Nov 2022 15:54

Instrument :

MSVOA_X

ClientSampleId :

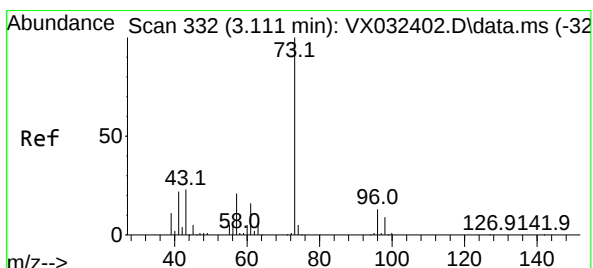
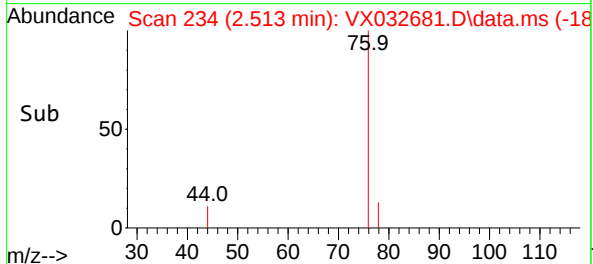
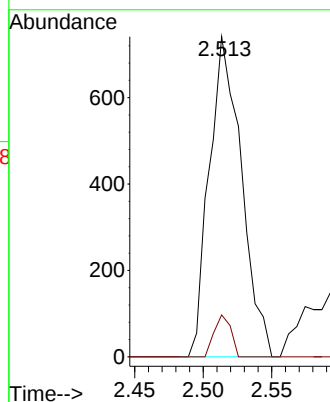
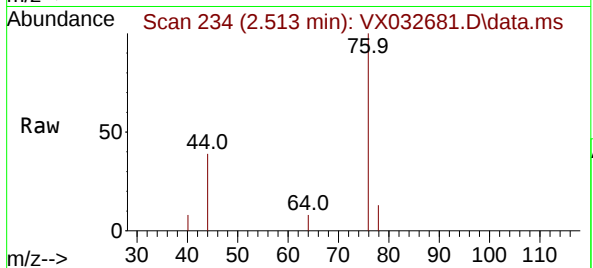
MW-6I

Tgt Ion: 76 Resp: 1212

Ion Ratio Lower Upper

76 100

78 13.1 7.5 11.3#



#19

Methyl tert-butyl Ether

Concen: 75.846 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX032681.D

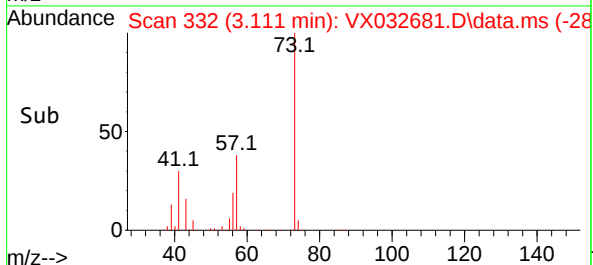
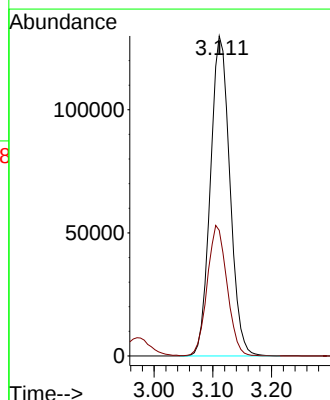
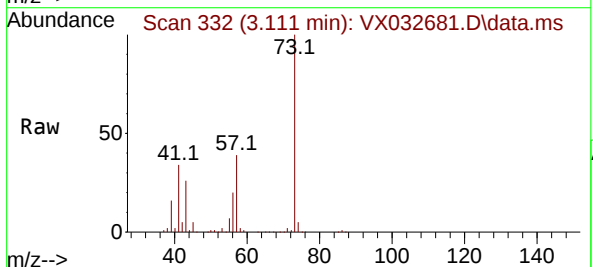
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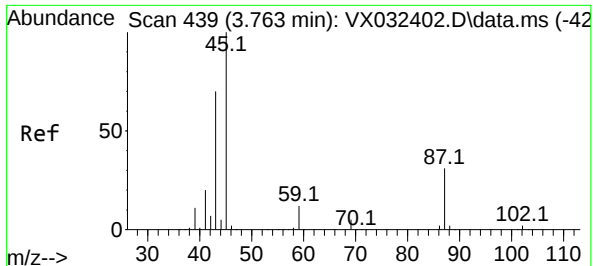
Tgt Ion: 73 Resp: 299712

Ion Ratio Lower Upper

73 100

57 39.2 16.6 25.0#

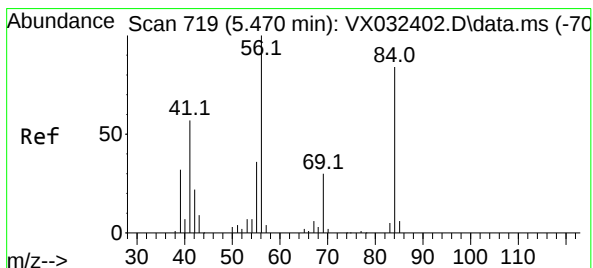
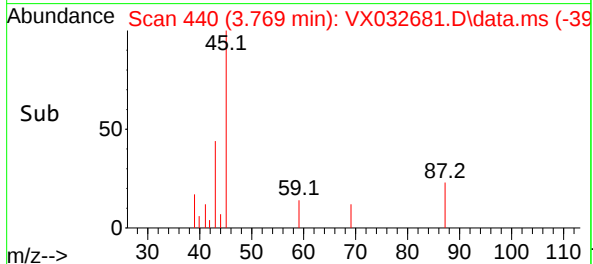
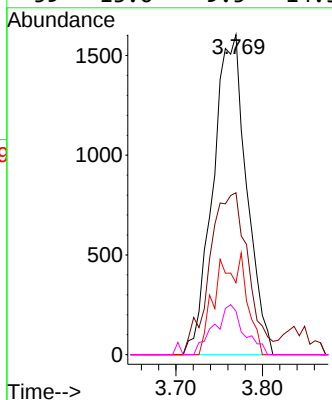
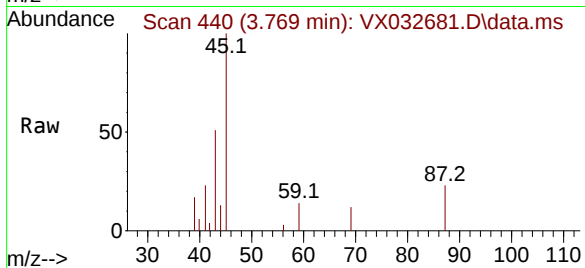




#22
Diisopropyl ether
Concen: 1.114 ug/l
RT: 3.769 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

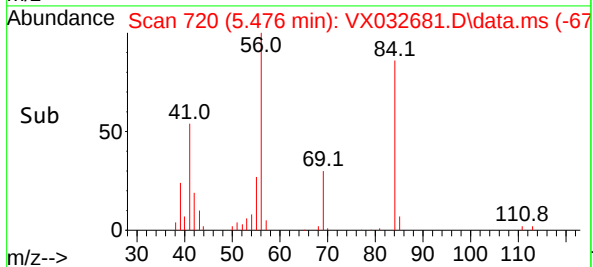
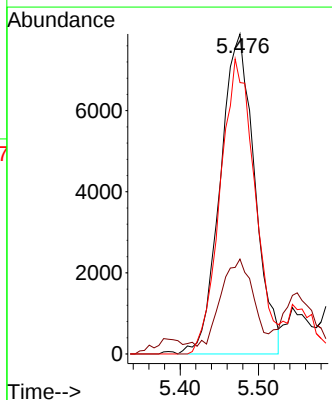
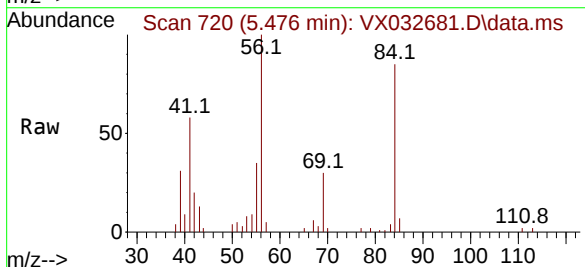
Instrument :
MSVOA_X
ClientSampleId :
MW-6I

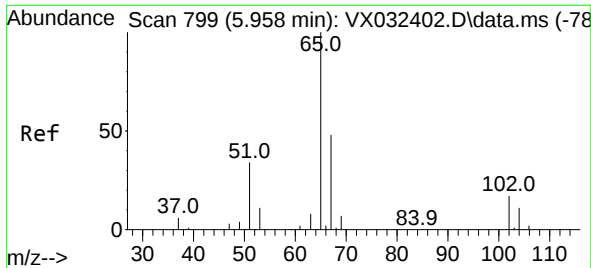
Tgt Ion:	45	Resp:	4318
Ion	Ratio	Lower	Upper
45	100		
43	50.6	56.4	84.6#
87	22.5	24.4	36.6#
59	13.6	9.5	14.3



#31
Cyclohexane
Concen: 12.739 ug/l
RT: 5.476 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

Tgt Ion:	56	Resp:	24061
Ion	Ratio	Lower	Upper
56	100		
69	25.5	24.1	36.1
84	84.8	66.9	100.3

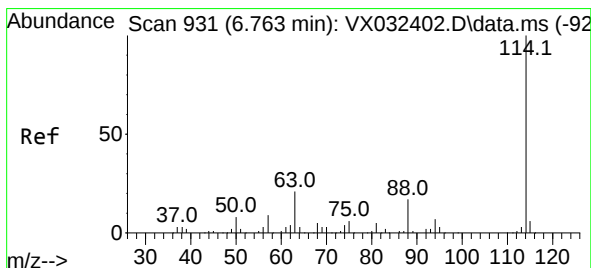
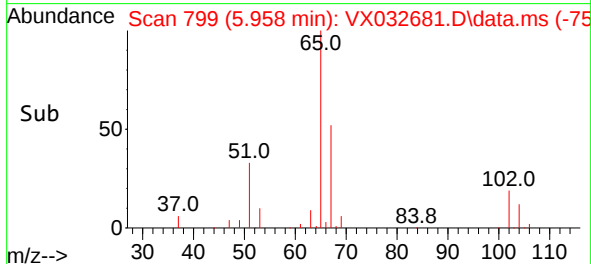
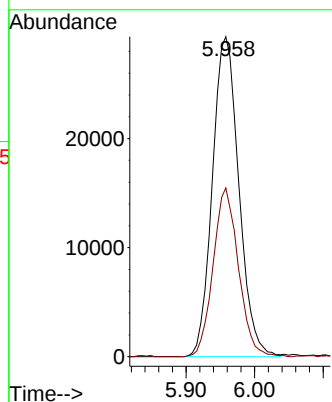
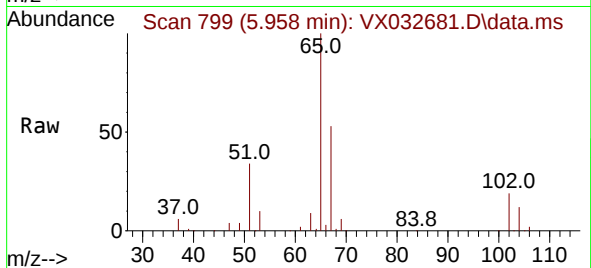




#33
1,2-Dichloroethane-d4
Concen: 50.502 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

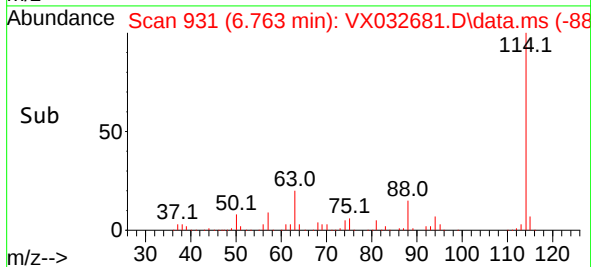
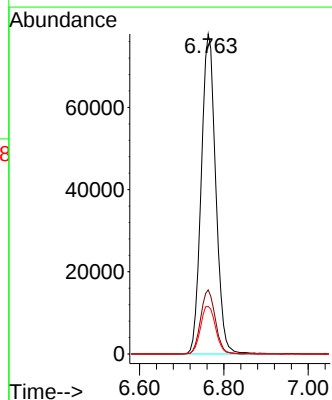
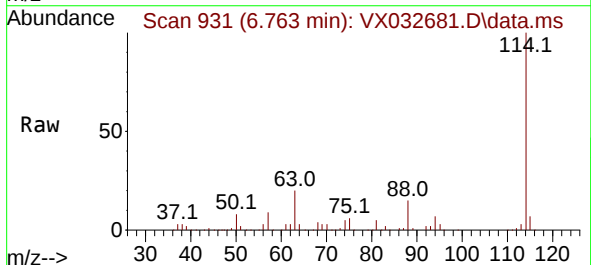
Instrument :
MSVOA_X
ClientSampleId :
MW-6I

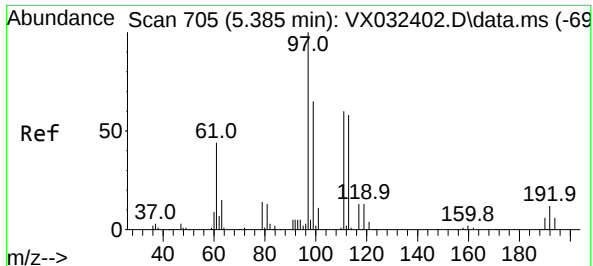
Tgt Ion: 65 Resp: 78668
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

Tgt Ion: 114 Resp: 186255
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.6
88 14.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.920 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032681.D

Acq: 09 Nov 2022 15:54

Instrument :

MSVOA_X

ClientSampleId :

MW-6I

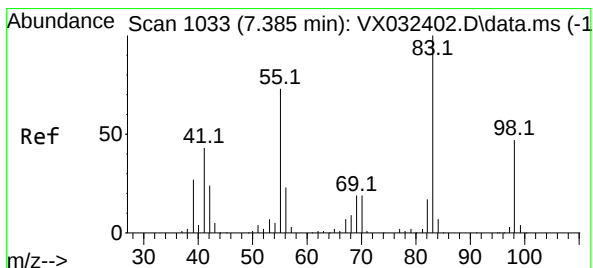
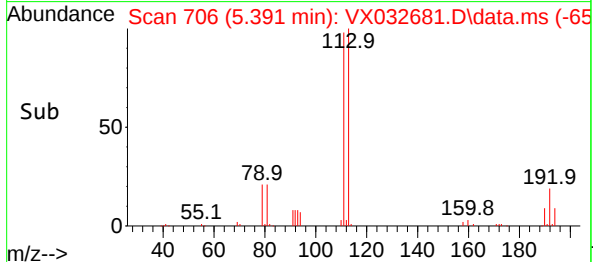
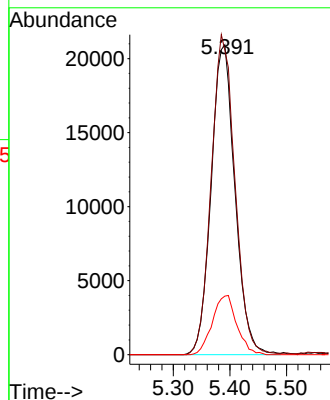
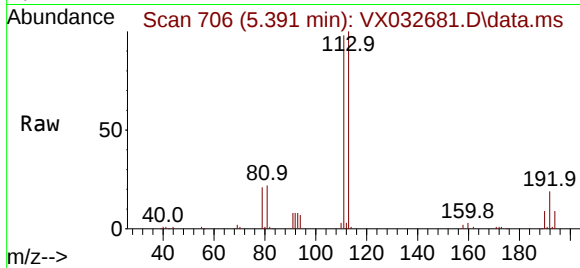
Tgt Ion:113 Resp: 61008

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

192 19.6 15.4 23.2



#39

Methylcyclohexane

Concen: 3.805 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX032681.D

Acq: 09 Nov 2022 15:54

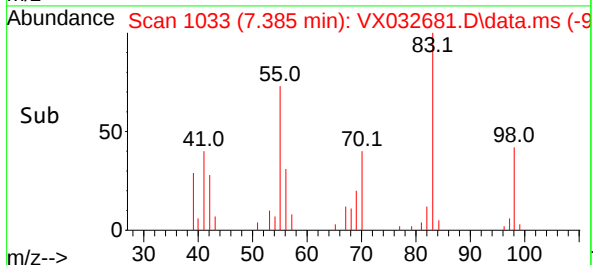
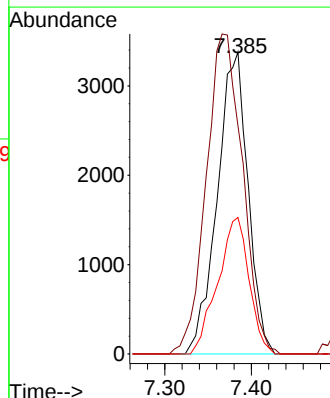
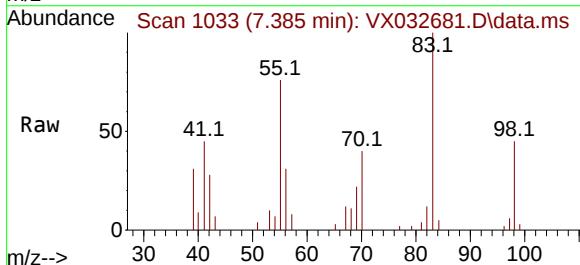
Tgt Ion: 83 Resp: 8328

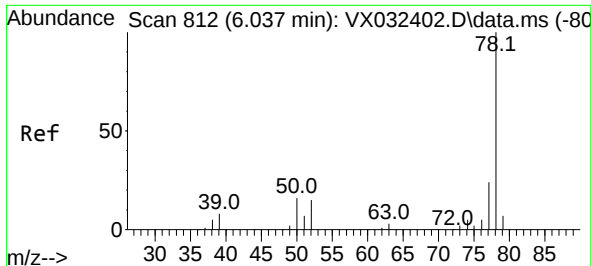
Ion Ratio Lower Upper

83 100

55 75.6 58.4 87.6

98 45.2 37.2 55.8

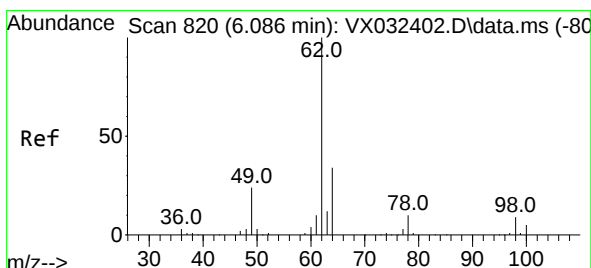
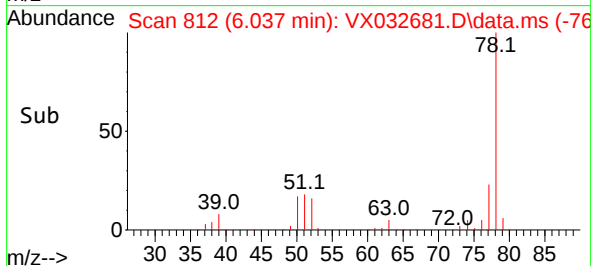
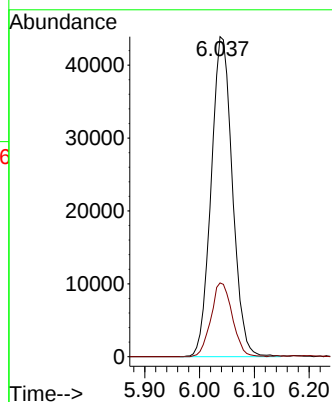
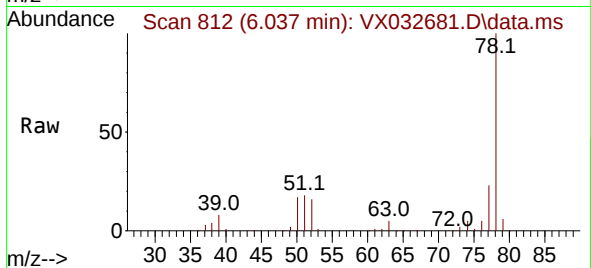




#40
Benzene
Concen: 22.563 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

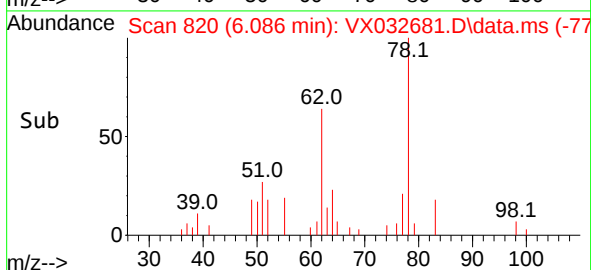
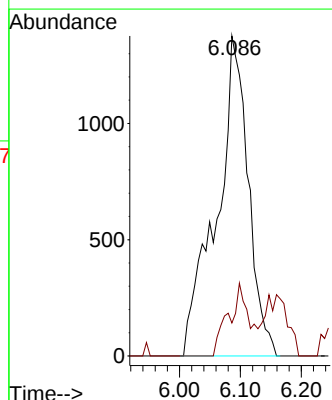
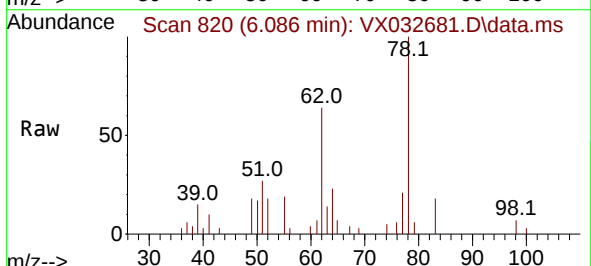
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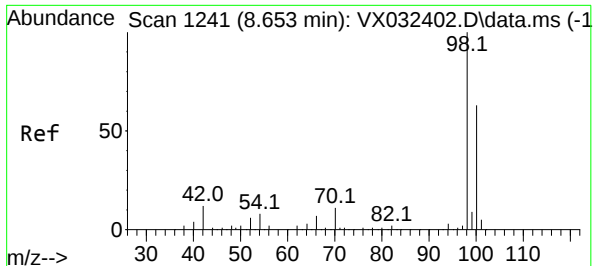
Tgt Ion: 78 Resp: 118130
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4



#42
1,2-Dichloroethane
Concen: 2.323 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

Tgt Ion: 62 Resp: 4972
Ion Ratio Lower Upper
62 100
98 14.8 0.0 16.0

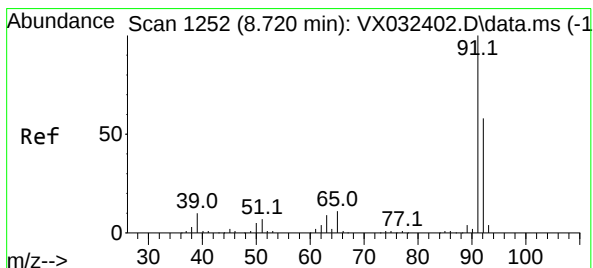
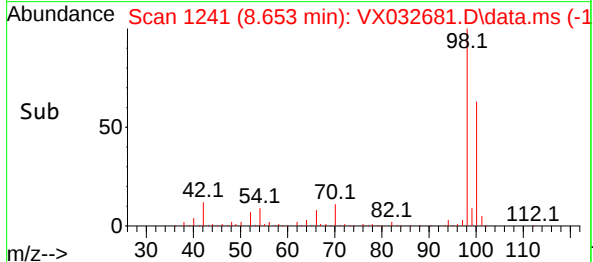
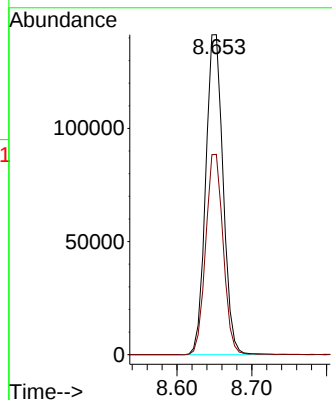
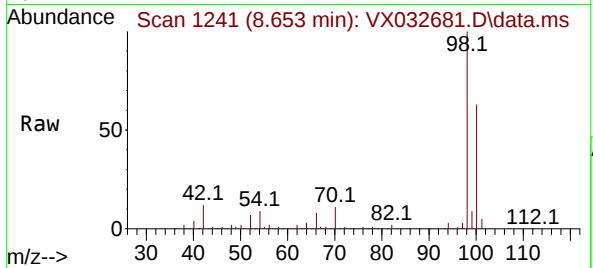




#50
Toluene-d8
Concen: 49.391 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

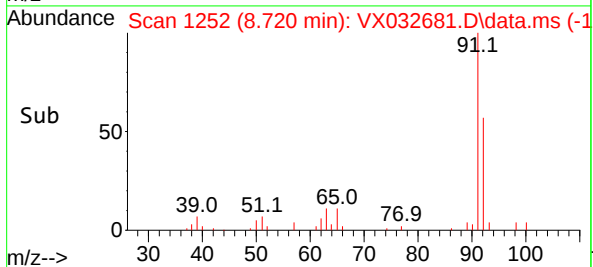
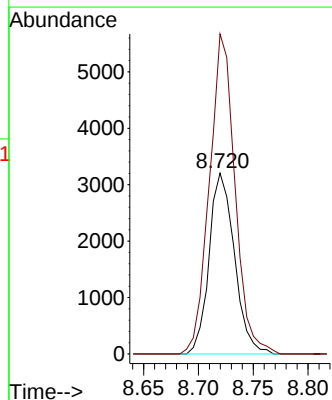
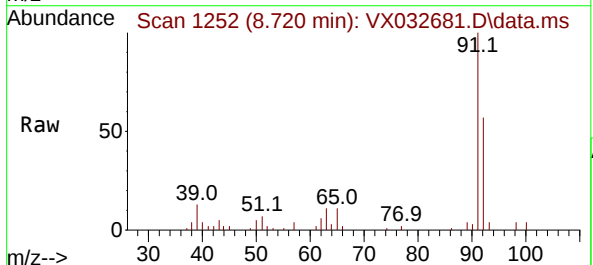
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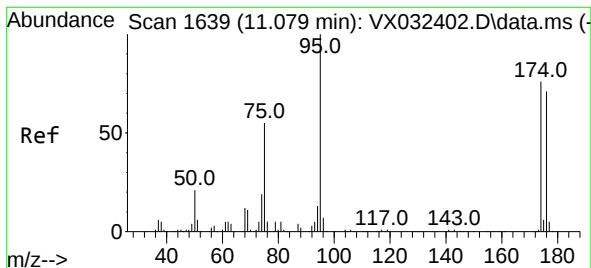
Tgt Ion: 98 Resp: 228172
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3



#52
Toluene
Concen: 1.508 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

Tgt Ion: 92 Resp: 5152
Ion Ratio Lower Upper
92 100
91 178.7 138.3 207.5

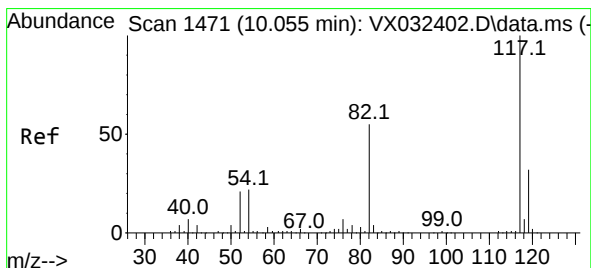
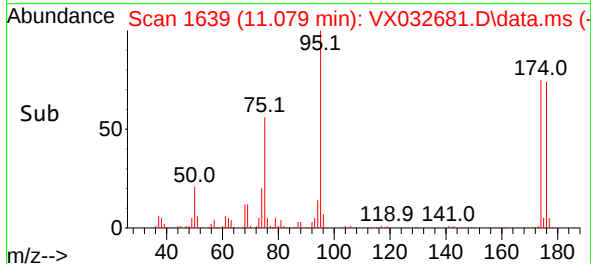
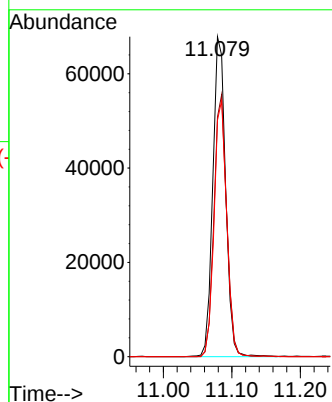
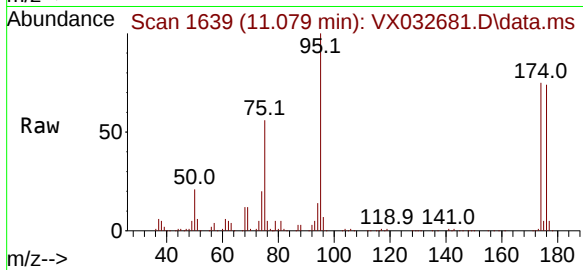




#62
4-Bromofluorobenzene
Concen: 48.883 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

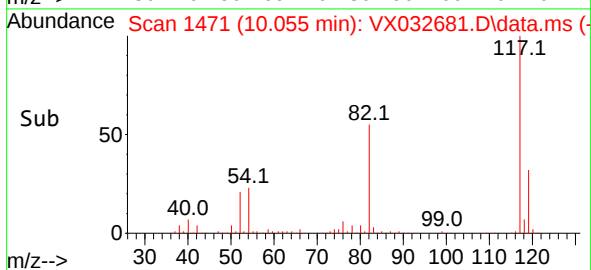
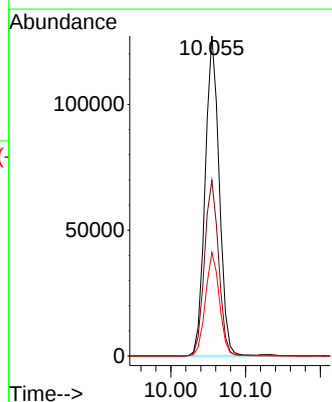
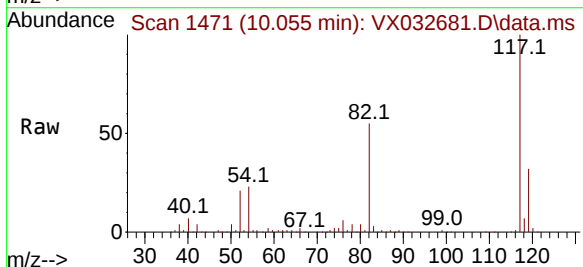
Instrument :
MSVOA_X
ClientSampleId :
MW-6I

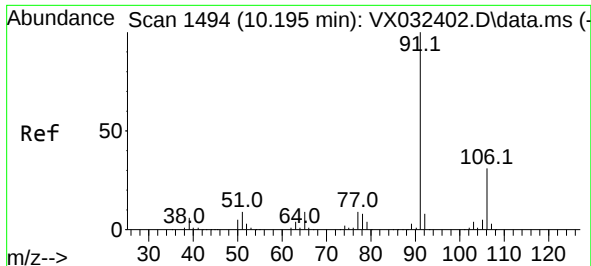
Tgt Ion: 95 Resp: 88214
Ion Ratio Lower Upper
95 100
174 80.9 0.0 164.0
176 79.0 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

Tgt Ion: 117 Resp: 166202
Ion Ratio Lower Upper
117 100
82 54.8 44.3 66.5
119 32.4 25.7 38.5





#67

Ethyl Benzene

Concen: 0.263 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX032681.D

Acq: 09 Nov 2022 15:54

Instrument :

MSVOA_X

ClientSampleId :

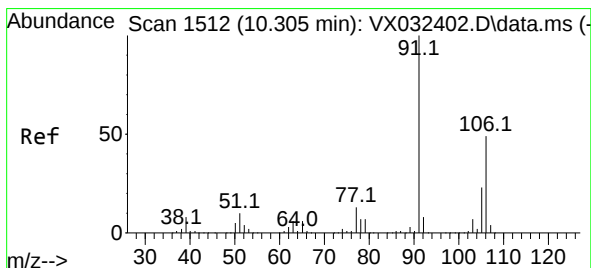
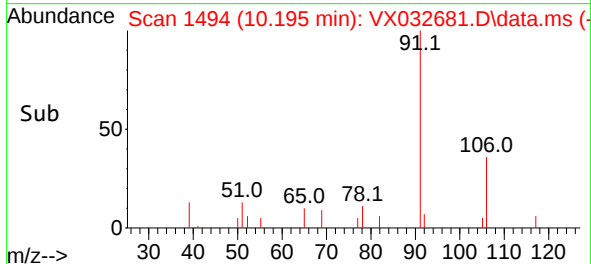
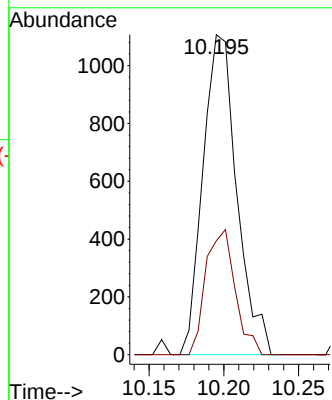
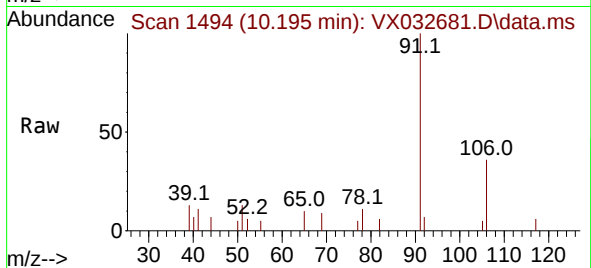
MW-6I

Tgt Ion: 91 Resp: 1748

Ion Ratio Lower Upper

91 100

106 35.6 25.0 37.6



#68

m/p-Xylenes

Concen: 3.749 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX032681.D

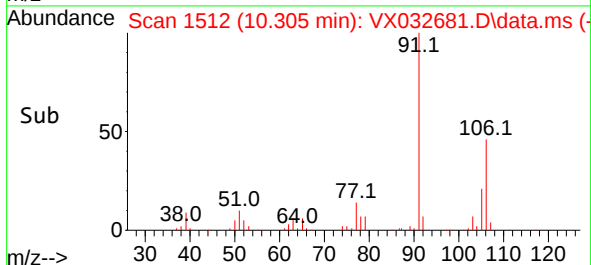
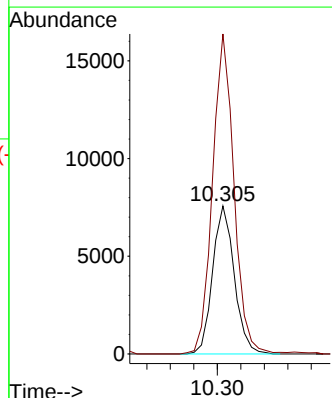
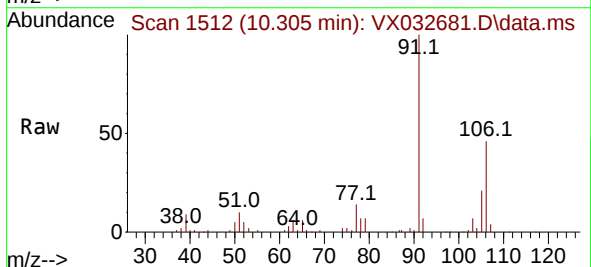
Acq: 09 Nov 2022 15:54

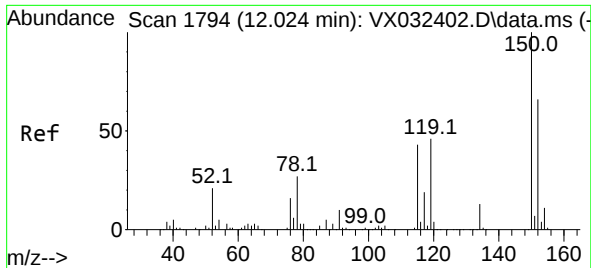
Tgt Ion: 106 Resp: 9691

Ion Ratio Lower Upper

106 100

91 213.7 164.5 246.7

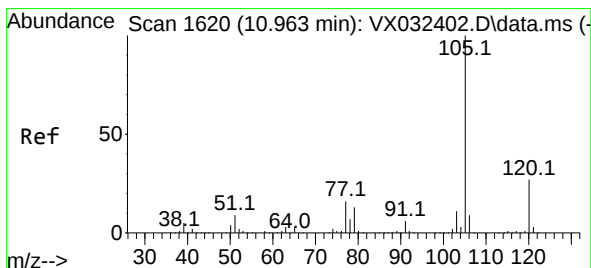
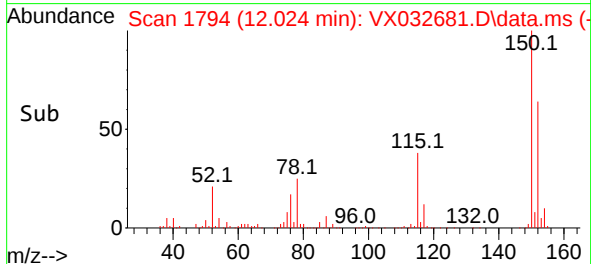
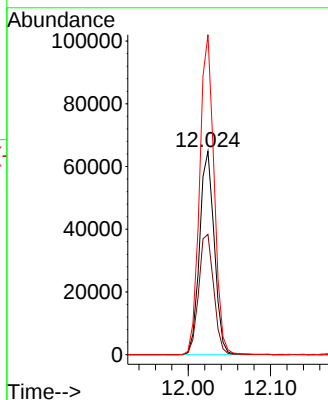
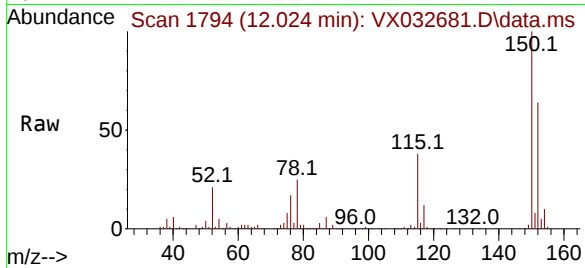




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

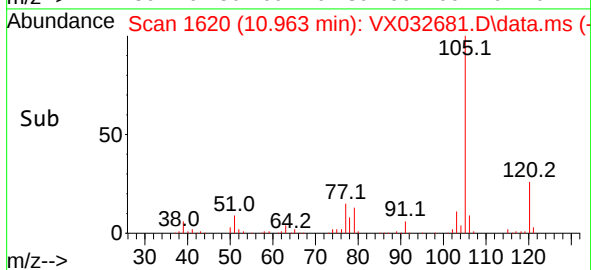
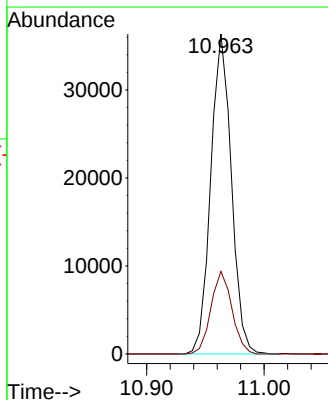
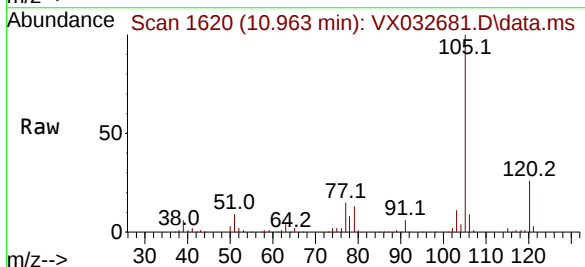
Instrument :
MSVOA_X
ClientSampleId :
MW-6I

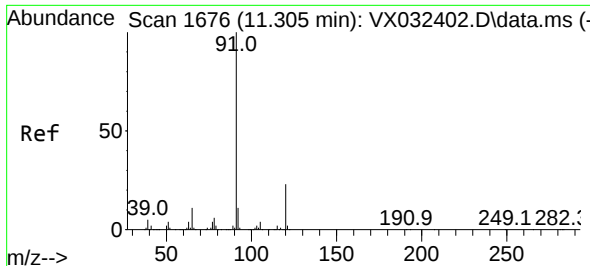
Tgt Ion:152 Resp: 80427
Ion Ratio Lower Upper
152 100
115 60.8 44.0 132.0
150 155.0 0.0 351.8



#73
Isopropylbenzene
Concen: 6.938 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

Tgt Ion:105 Resp: 44217
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.3

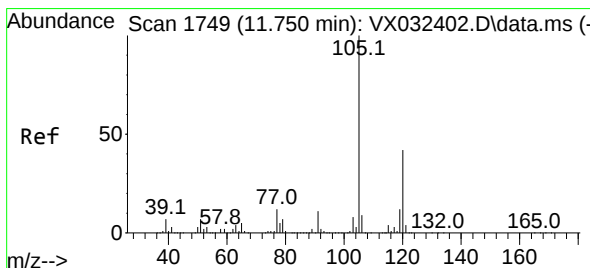
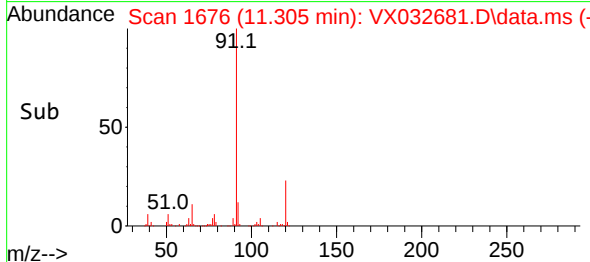
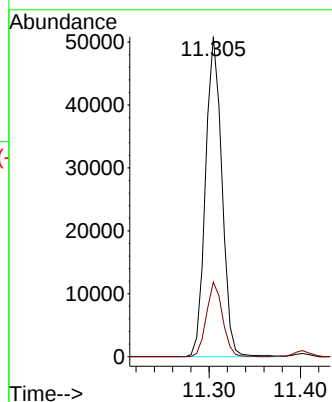
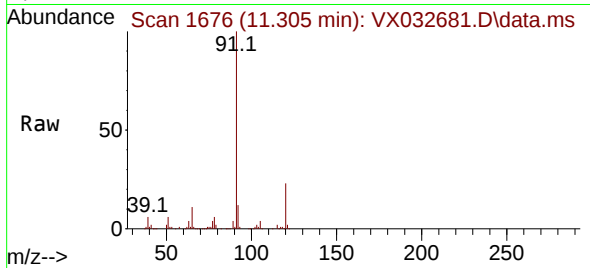




#78
n-propylbenzene
Concen: 8.603 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

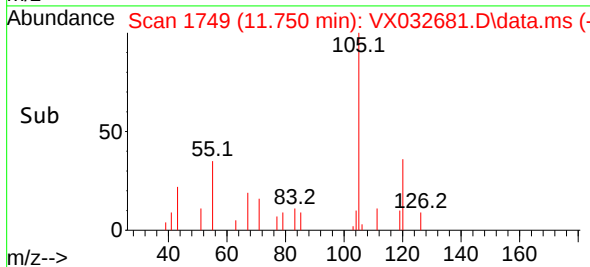
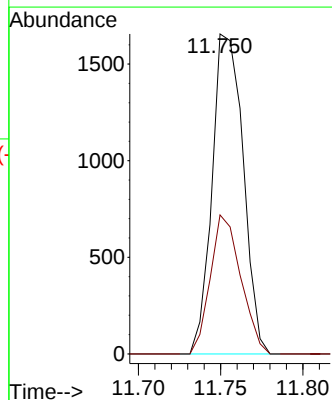
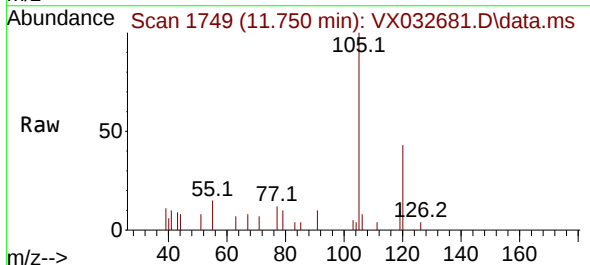
Instrument :
MSVOA_X
ClientSampleId :
MW-6I

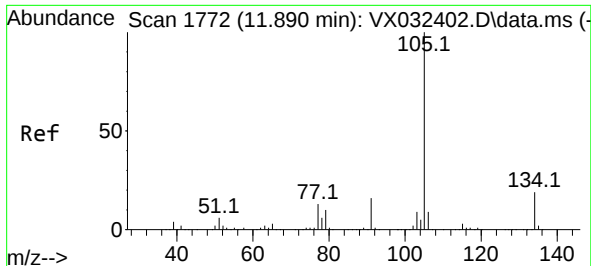
Tgt Ion: 91 Resp: 63173
Ion Ratio Lower Upper
91 100
120 22.9 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 0.401 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX032681.D
Acq: 09 Nov 2022 15:54

Tgt Ion: 105 Resp: 2172
Ion Ratio Lower Upper
105 100
120 42.6 21.9 65.5

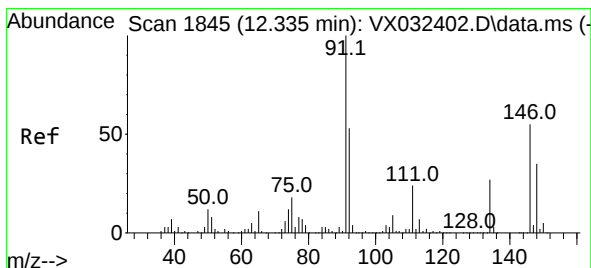
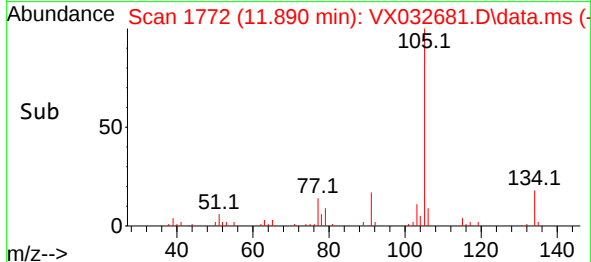
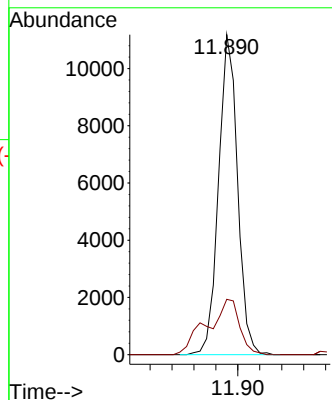
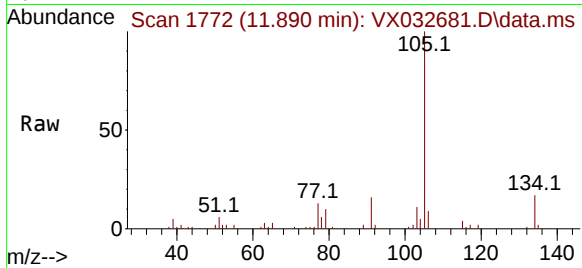




#85
 sec-Butylbenzene
 Concen: 2.058 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX032681.D
 Acq: 09 Nov 2022 15:54

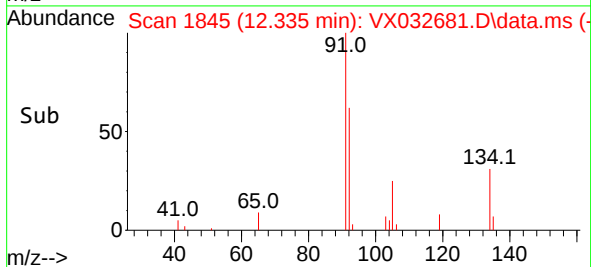
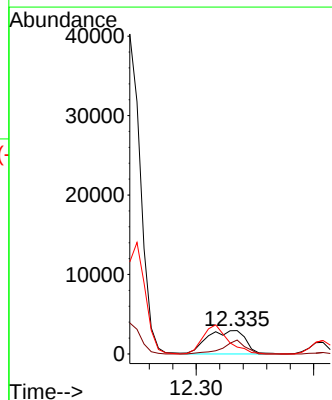
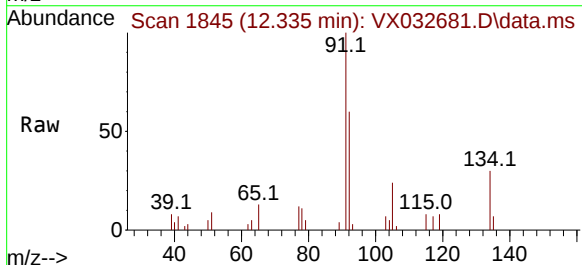
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6I

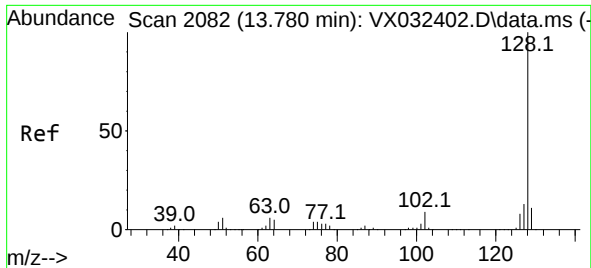
Tgt Ion:105 Resp: 13466
 Ion Ratio Lower Upper
 105 100
 134 29.5 9.9 29.7



#89
 n-Butylbenzene
 Concen: 1.399 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. -0.000 min
 Lab File: VX032681.D
 Acq: 09 Nov 2022 15:54

Tgt Ion: 91 Resp: 6756
 Ion Ratio Lower Upper
 91 100
 92 33.6 26.2 78.6
 134 81.3 12.9 38.6#





#95

Naphthalene

Concen: 3.162 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX032681.D

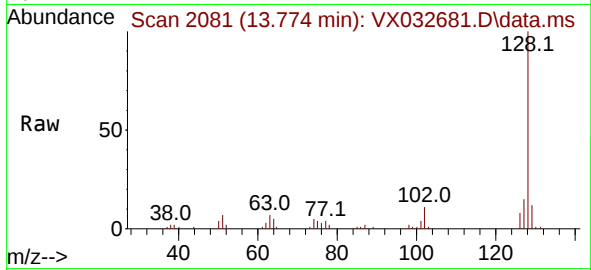
Acq: 09 Nov 2022 15:54

Instrument :

MSVOA_X

ClientSampleId :

MW-6I



Tgt Ion:128 Resp: 19963

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 12.0 8.9 13.3

