

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
 Data File : VD078230.D
 Acq On : 24 Jan 2024 18:26
 Operator : RP/MD
 Sample : P1235-06
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 137

Quant Time: Jan 25 12:01:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:43:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	136834	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	259875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	198218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	35898	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	60232	38.559	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.120%
35) Dibromofluoromethane	7.810	113	76156	44.527	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.060%
50) Toluene-d8	10.275	98	278603	41.139	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.280%
62) 4-Bromofluorobenzene	12.575	95	58742	29.910	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.820%

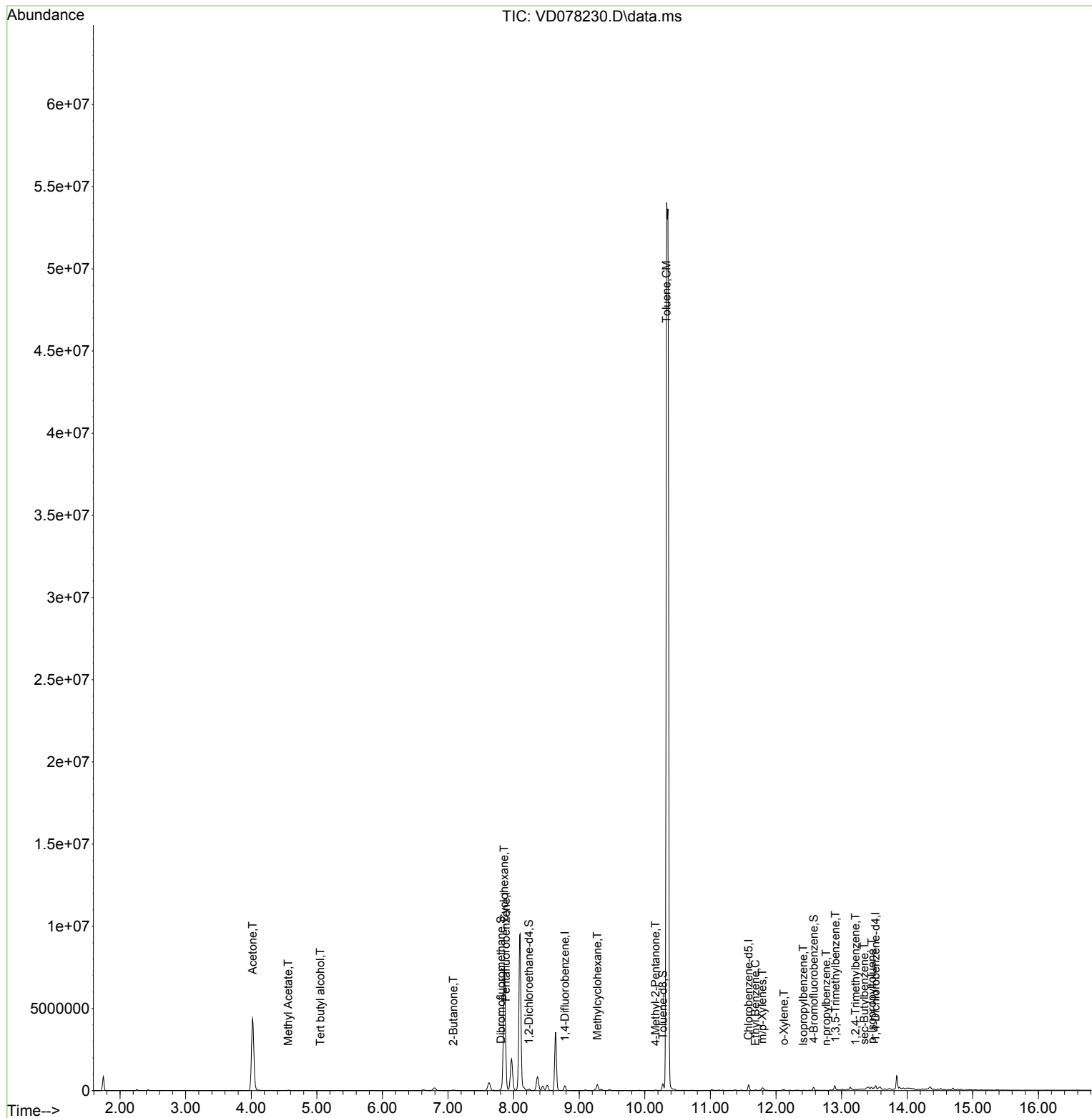
Target Compounds						Qvalue
11) Tert butyl alcohol	5.052	59	9491	123.416	ug/l	# 89
16) Acetone	4.022	43	7101067	21110.047	ug/l	90
18) Methyl Acetate	4.564	43	46321	34.467	ug/l	89
25) 2-Butanone	7.081	43	37014	67.706	ug/l	# 79
31) Cyclohexane	7.857	56	1323709	458.310	ug/l	# 34
39) Methylcyclohexane	9.275	83	148520	44.652	ug/l	94
51) 4-Methyl-2-Pentanone	10.163	43	27803	27.582	ug/l	# 84
52) Toluene	10.328	92	24933142m	4928.317	ug/l	
67) Ethyl Benzene	11.687	91	27292	3.425	ug/l	99
68) m/p-Xylenes	11.793	106	38711	12.720	ug/l	87
69) o-Xylene	12.122	106	16044	5.809	ug/l	96
73) Isopropylbenzene	12.416	105	5152	1.825	ug/l	100
78) n-propylbenzene	12.763	91	11048	3.156	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	8238	3.520	ug/l	89
84) 1,2,4-Trimethylbenzene	13.210	105	24058	10.164	ug/l	95
85) sec-Butylbenzene	13.345	105	3032	1.023	ug/l	98
86) p-Isopropyltoluene	13.463	119	15752	6.110	ug/l	91

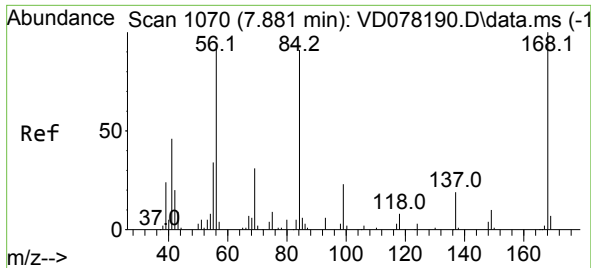
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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137

Quant Time: Jan 25 12:01:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 23 05:43:07 2024
Response via : Initial Calibration

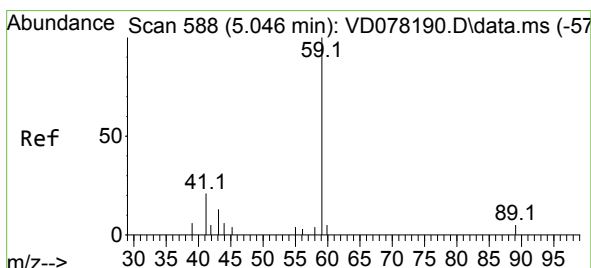
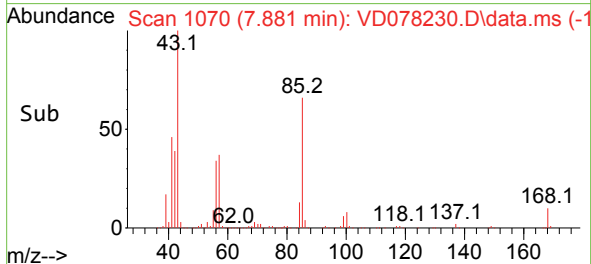
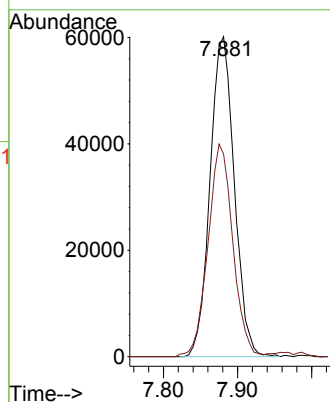
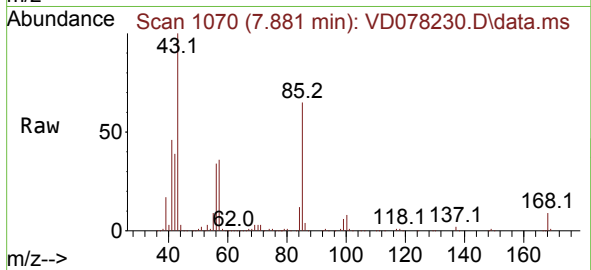




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

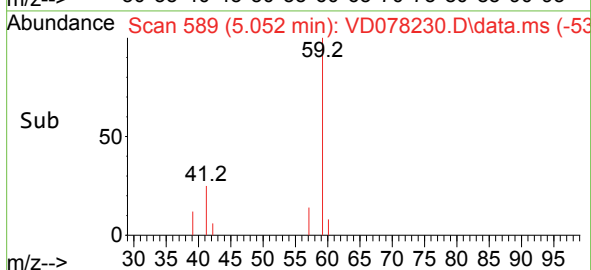
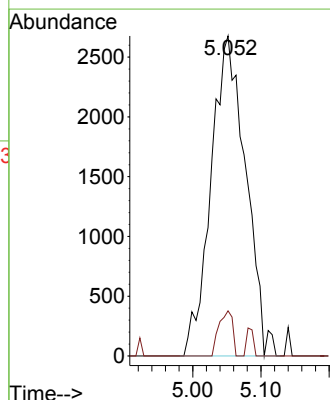
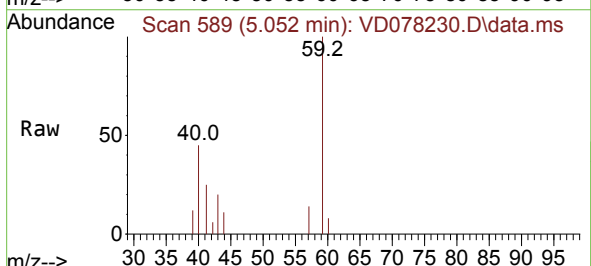
Instrument :
MSVOA_D
ClientSampleId :
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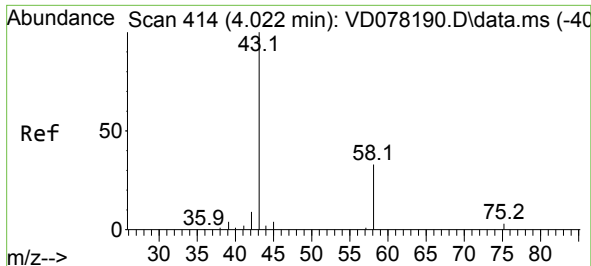
Tgt Ion:168 Resp: 136834
Ion Ratio Lower Upper
168 100
99 62.5 36.7 55.1#



#11
Tert butyl alcohol
Concen: 123.416 ug/l
RT: 5.052 min Scan# 589
Delta R.T. 0.006 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

Tgt Ion: 59 Resp: 9491
Ion Ratio Lower Upper
59 100
57 5.6 7.8 11.8#

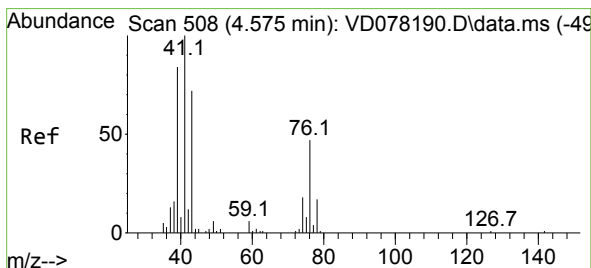
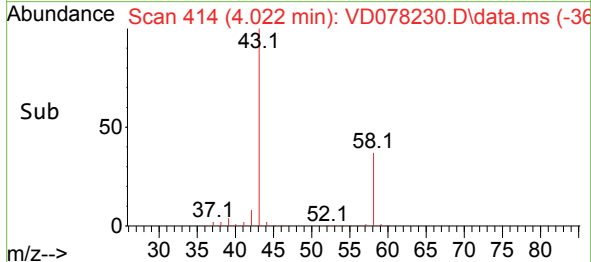
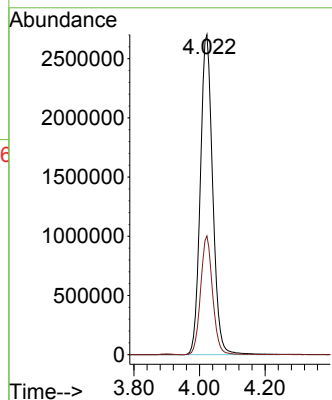
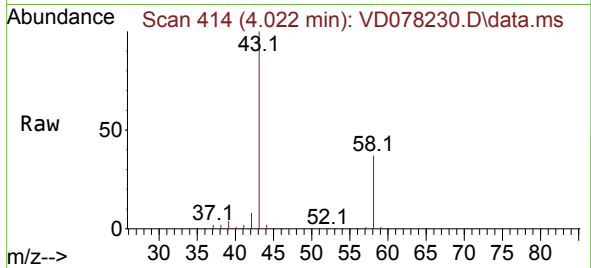




#16
Acetone
Concen: 21110.047 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

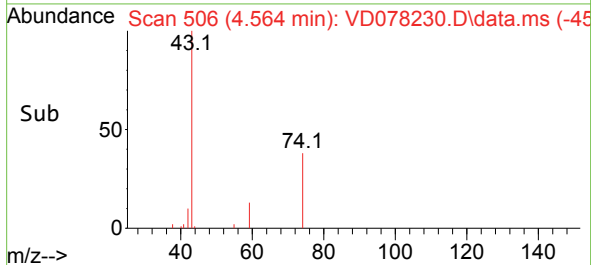
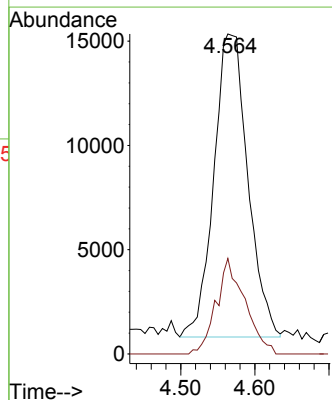
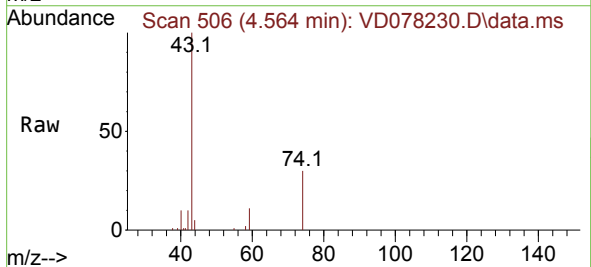
Instrument :
MSVOA_D
ClientSampleId :
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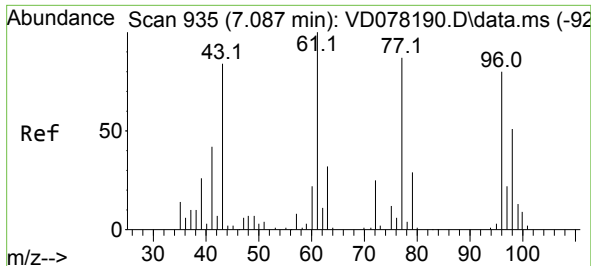
Tgt Ion: 43 Resp: 7101067
Ion Ratio Lower Upper
43 100
58 37.1 34.7 52.1



#18
Methyl Acetate
Concen: 34.467 ug/l
RT: 4.564 min Scan# 506
Delta R.T. -0.012 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

Tgt Ion: 43 Resp: 46321
Ion Ratio Lower Upper
43 100
74 26.6 26.4 39.6

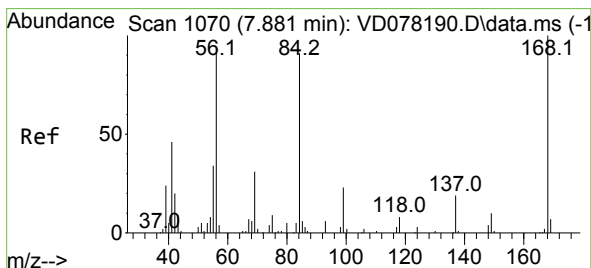
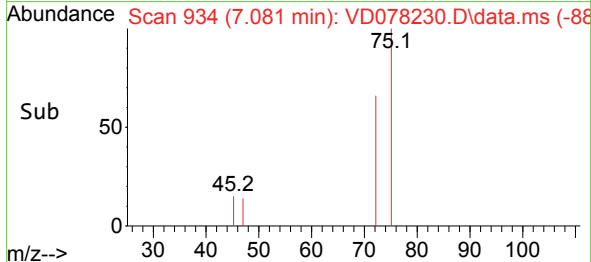
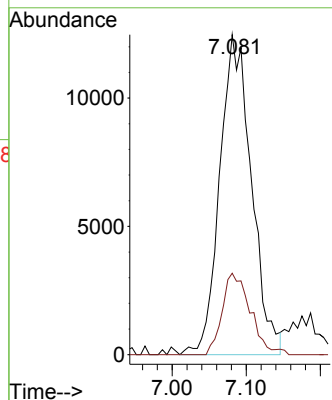
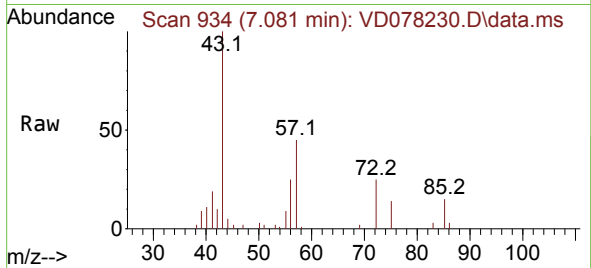




#25
2-Butanone
Concen: 67.706 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

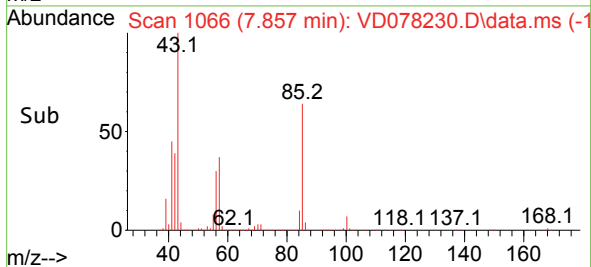
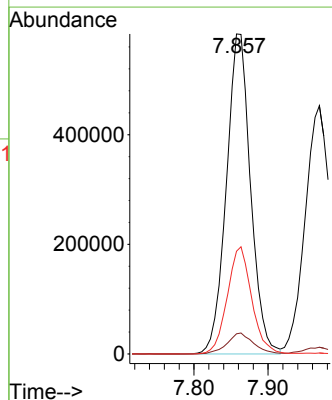
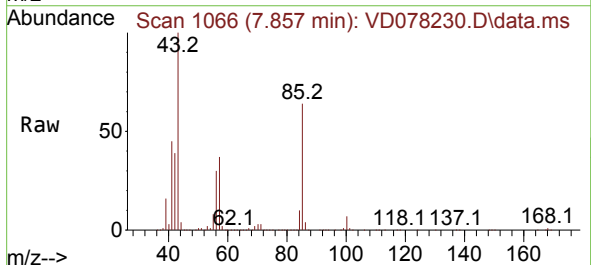
Instrument :
MSVOA_D
ClientSampleId :
137

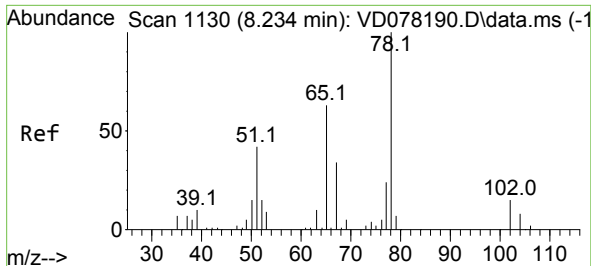
Tgt Ion: 43 Resp: 37014
Ion Ratio Lower Upper
43 100
72 25.5 30.7 46.1#



#31
Cyclohexane
Concen: 458.310 ug/l
RT: 7.857 min Scan# 1066
Delta R.T. -0.023 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

Tgt Ion: 56 Resp: 1323709
Ion Ratio Lower Upper
56 100
69 6.3 28.6 43.0#
84 32.1 84.8 127.2#

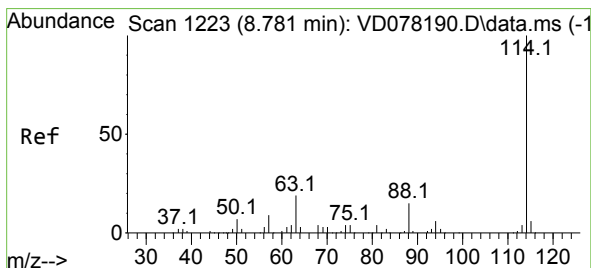
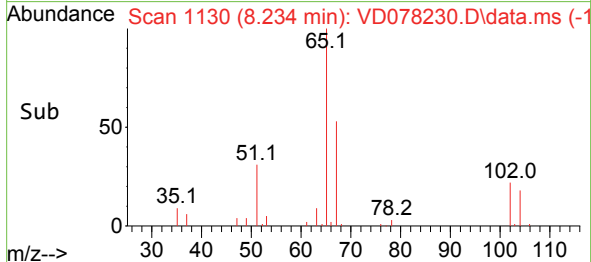
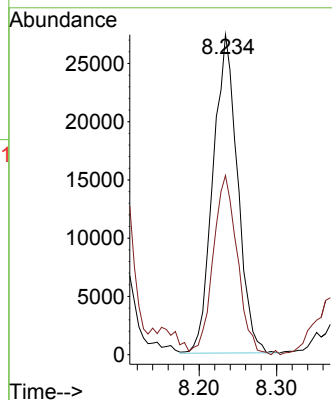
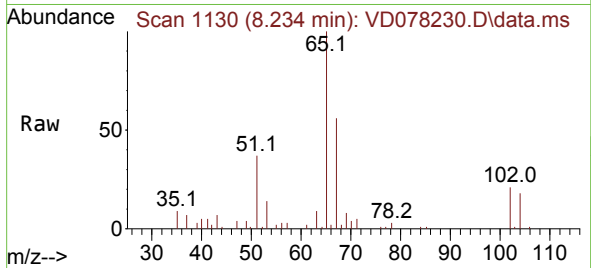




#33
 1,2-Dichloroethane-d4
 Concen: 38.559 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078230.D
 Acq: 24 Jan 2024 18:26

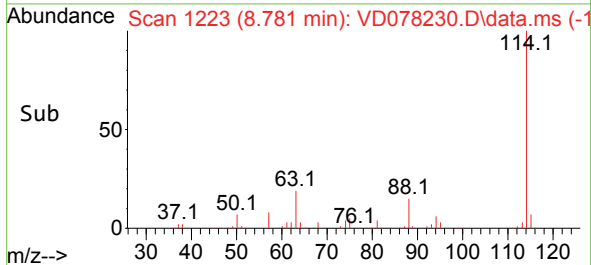
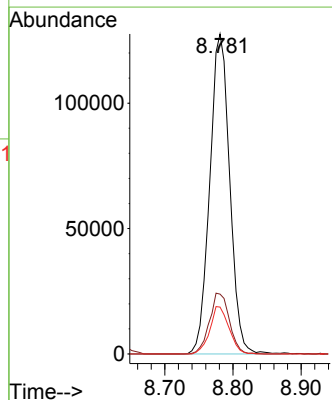
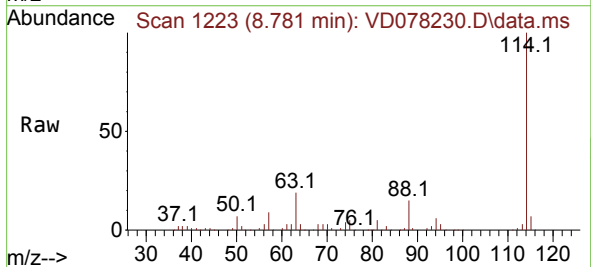
Instrument :
 MSVOA_D
 ClientSampleId :
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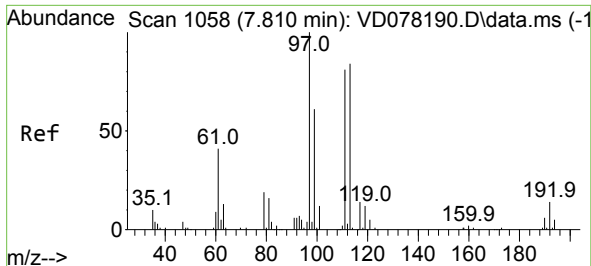
Tgt Ion: 65 Resp: 60232
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: VD078230.D
 Acq: 24 Jan 2024 18:26

Tgt Ion: 114 Resp: 259875
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 33.4
 88 14.7 0.0 26.2

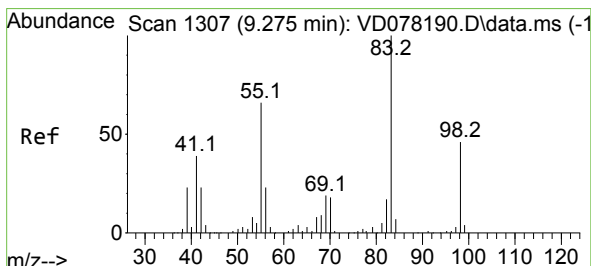
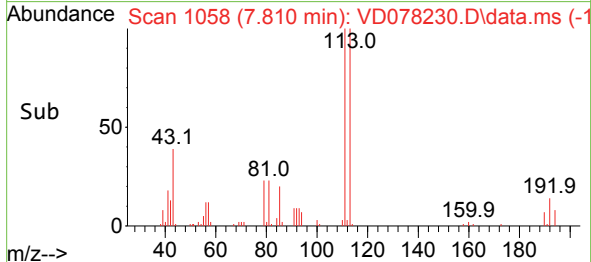
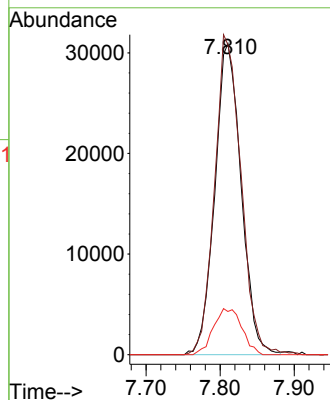
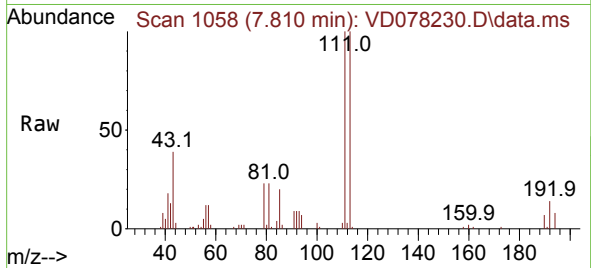




#35
Dibromofluoromethane
Concen: 44.527 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

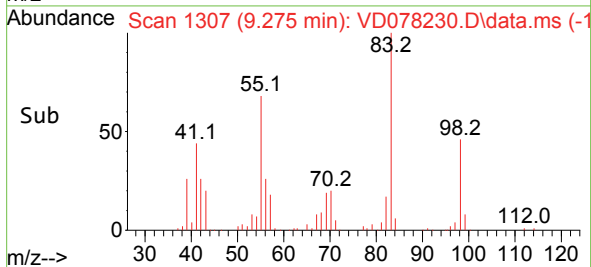
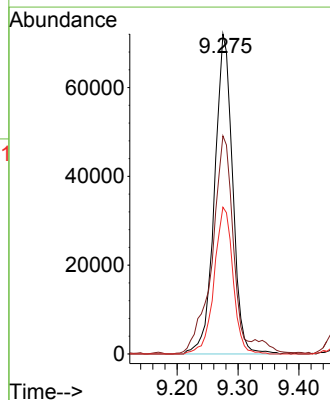
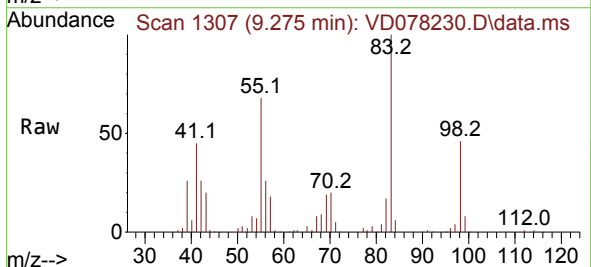
Instrument :
MSVOA_D
ClientSampleId :
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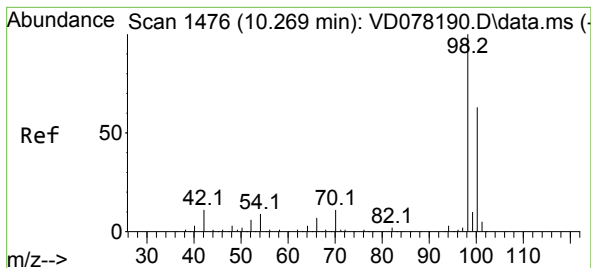
Tgt Ion:113 Resp: 76156
Ion Ratio Lower Upper
113 100
111 103.3 84.7 127.1
192 16.1 16.8 25.2#



#39
Methylcyclohexane
Concen: 44.652 ug/l
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

Tgt Ion: 83 Resp: 148520
Ion Ratio Lower Upper
83 100
55 67.9 49.4 74.0
98 45.8 38.4 57.6

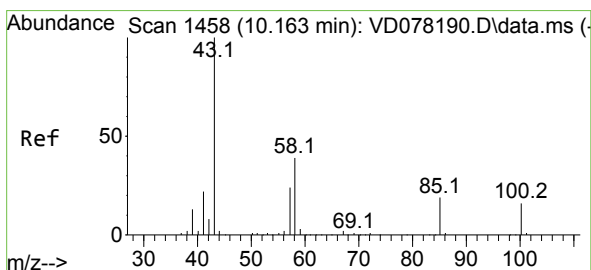
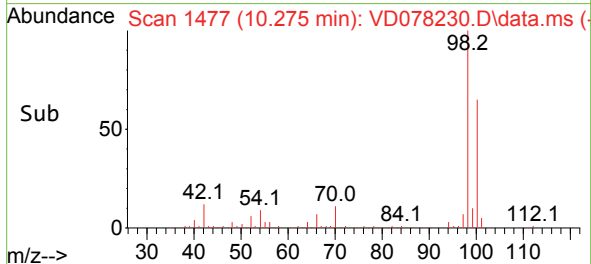
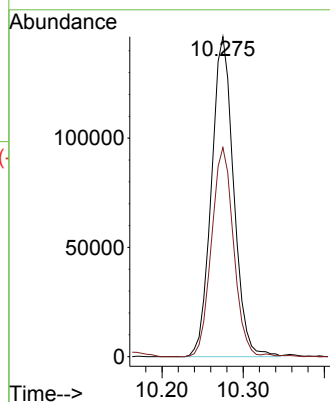
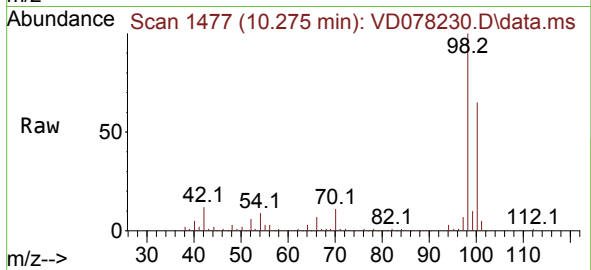




#50
Toluene-d8
Concen: 41.139 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

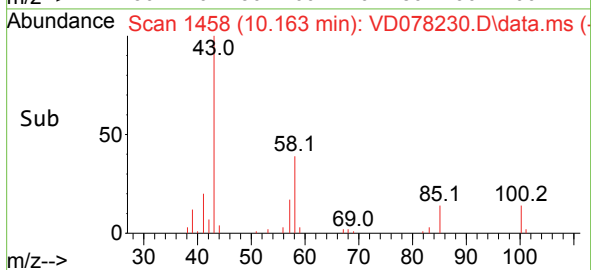
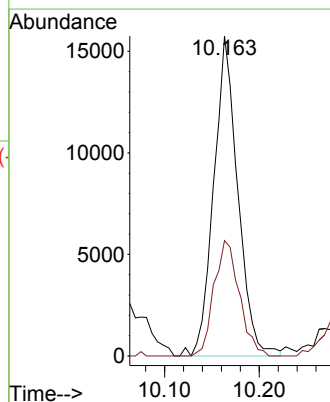
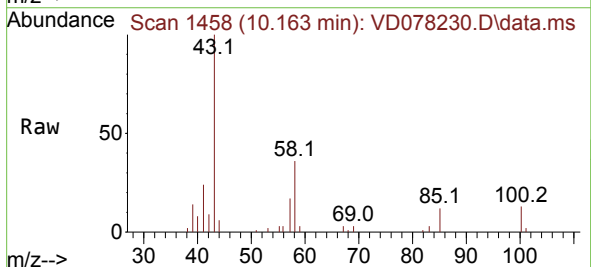
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ClientSampleId :
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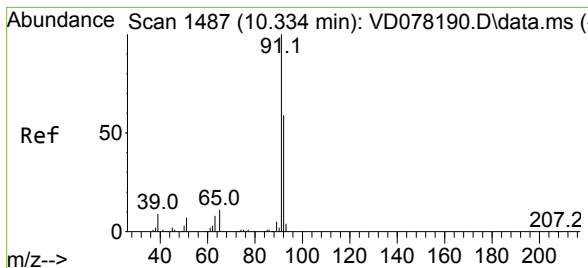
Tgt Ion: 98 Resp: 278603
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 27.582 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

Tgt Ion: 43 Resp: 27803
Ion Ratio Lower Upper
43 100
58 37.9 38.9 58.3#





#52

Toluene

Concen: 4928.317 ug/l m

RT: 10.328 min Scan# 1487

Delta R.T. -0.006 min

Lab File: VD078230.D

Acq: 24 Jan 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

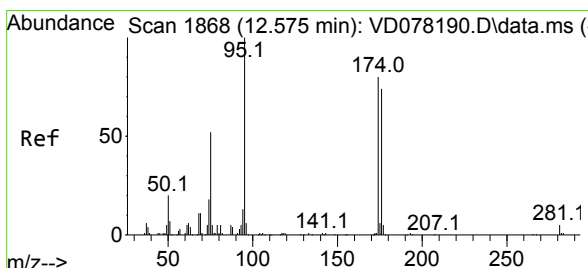
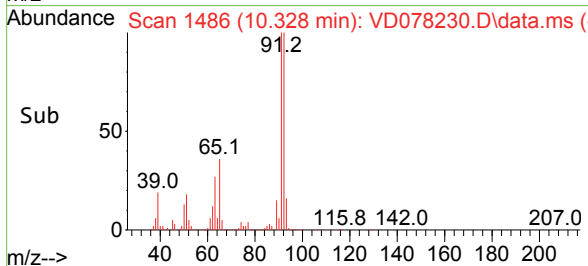
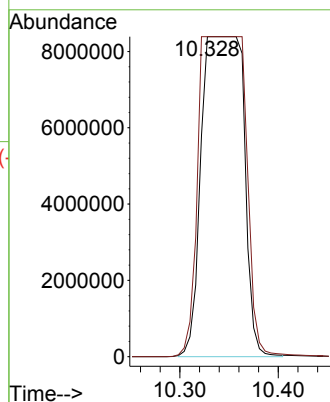
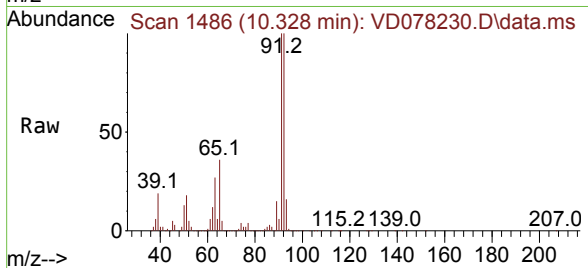
137

Tgt Ion: 92 Resp:24933142

Ion Ratio Lower Upper

92 100

91 0.0 143.0 214.4#



#62

4-Bromofluorobenzene

Concen: 29.910 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078230.D

Acq: 24 Jan 2024 18:26

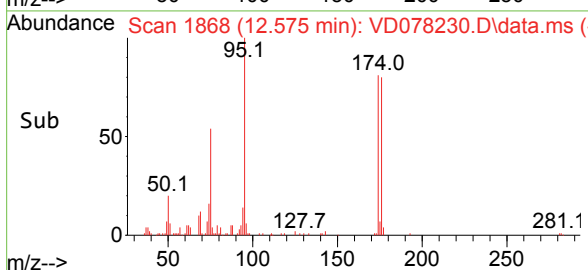
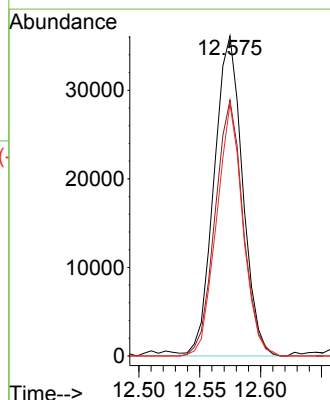
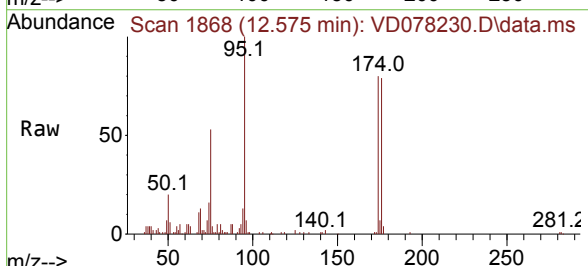
Tgt Ion: 95 Resp: 58742

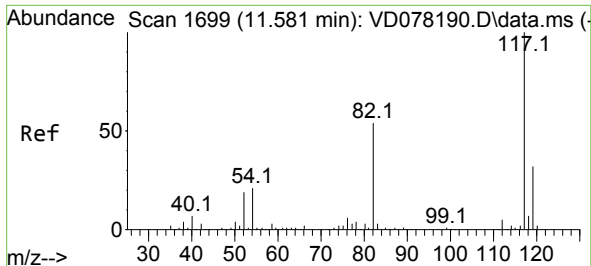
Ion Ratio Lower Upper

95 100

174 78.5 0.0 201.8

176 72.9 0.0 191.8

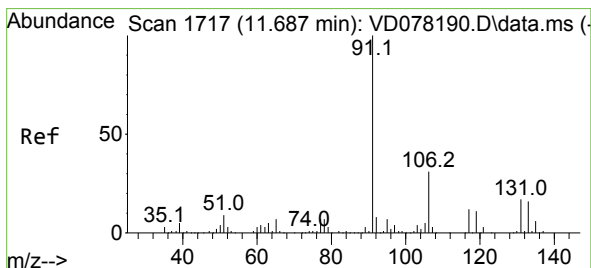
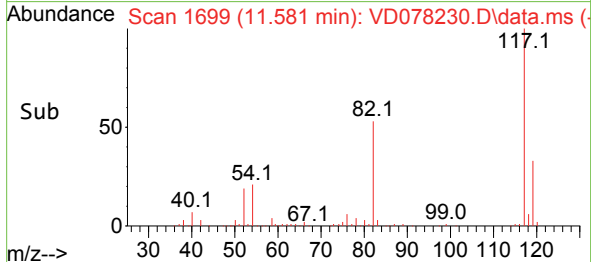
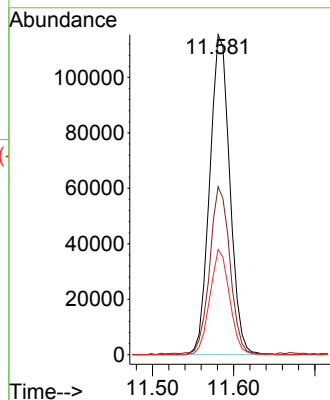
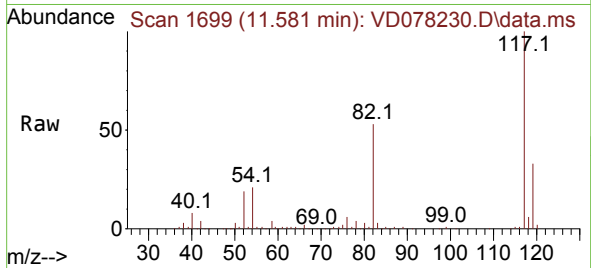




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

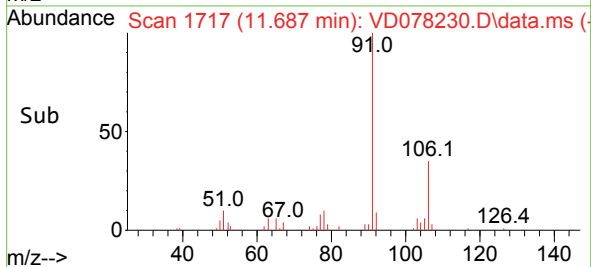
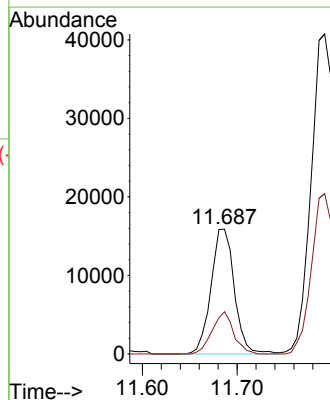
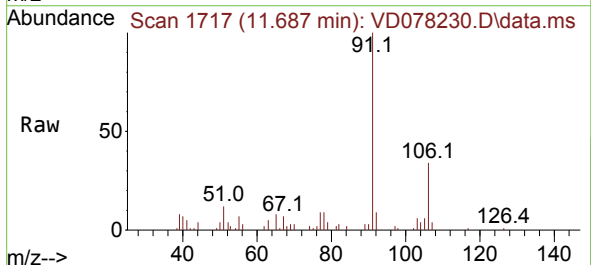
Instrument :
MSVOA_D
ClientSampleId :
137

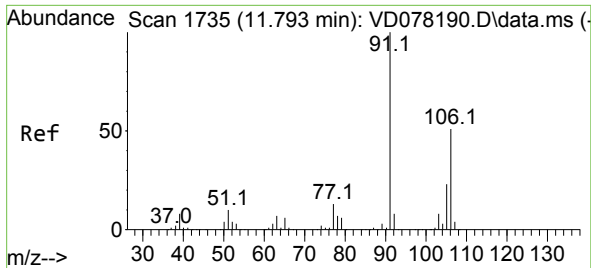
Tgt Ion:117 Resp: 198218
Ion Ratio Lower Upper
117 100
82 52.2 38.3 57.5
119 32.9 25.0 37.4



#67
Ethyl Benzene
Concen: 3.425 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

Tgt Ion: 91 Resp: 27292
Ion Ratio Lower Upper
91 100
106 33.8 26.5 39.7

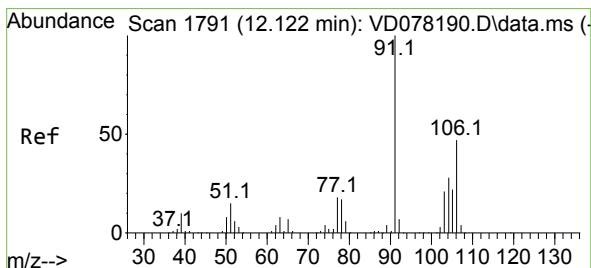
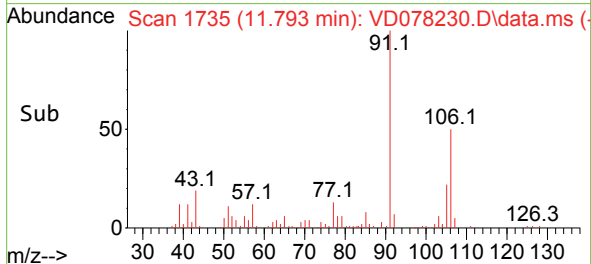
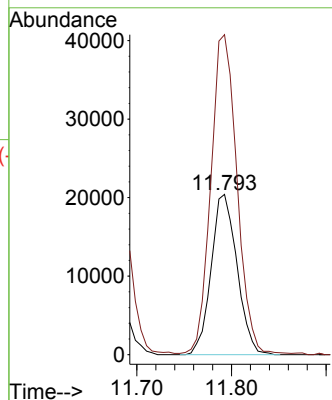
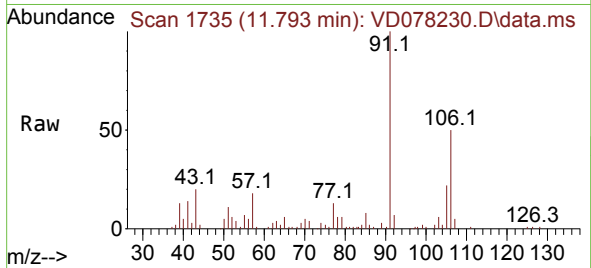




#68
m/p-Xylenes
Concen: 12.720 ug/l
RT: 11.793 min Scan# 1137
Delta R.T. 0.000 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

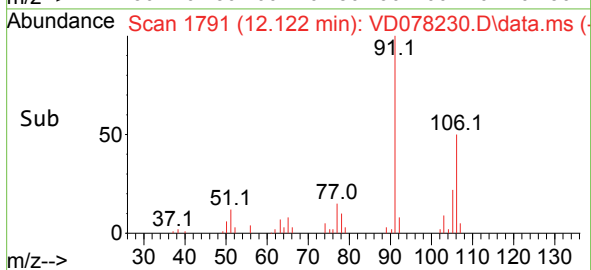
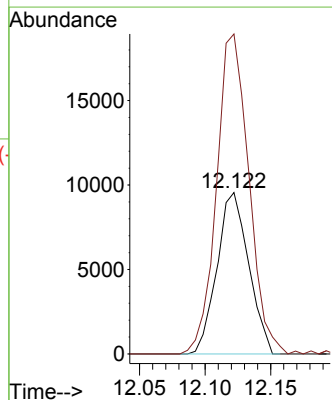
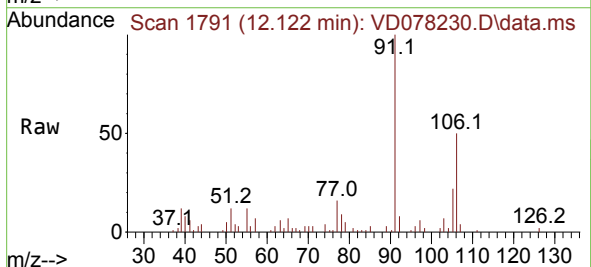
Instrument :
MSVOA_D
ClientSampleId :
137

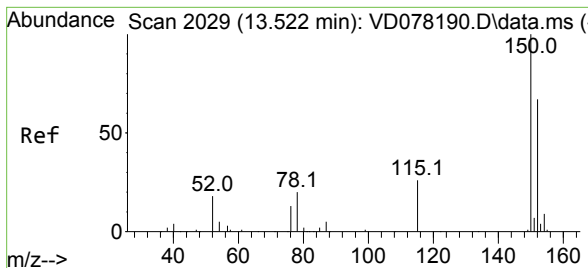
Tgt Ion:106 Resp: 38711
Ion Ratio Lower Upper
106 100
91 203.0 147.0 220.6



#69
o-Xylene
Concen: 5.809 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078230.D
Acq: 24 Jan 2024 18:26

Tgt Ion:106 Resp: 16044
Ion Ratio Lower Upper
106 100
91 202.3 97.9 293.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD078230.D

Acq: 24 Jan 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

137

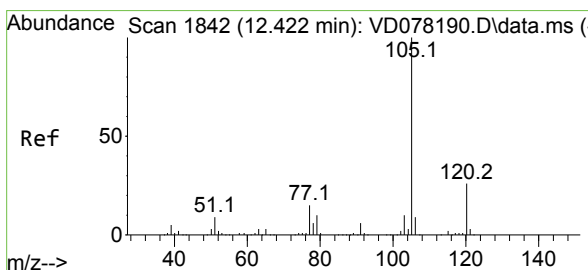
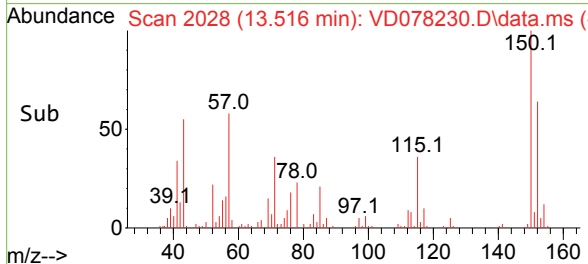
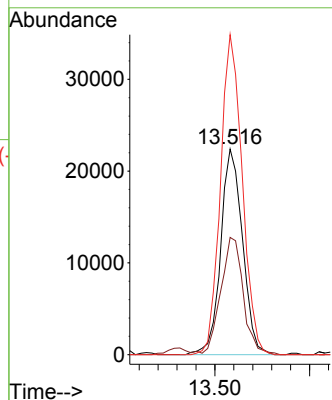
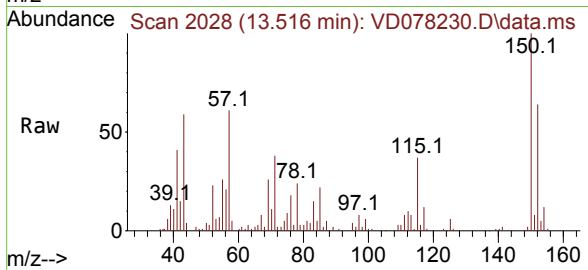
Tgt Ion:152 Resp: 35898

Ion Ratio Lower Upper

152 100

115 58.5 27.1 81.3

150 155.2 0.0 353.6



#73

Isopropylbenzene

Concen: 1.825 ug/l

RT: 12.416 min Scan# 1841

Delta R.T. -0.006 min

Lab File: VD078230.D

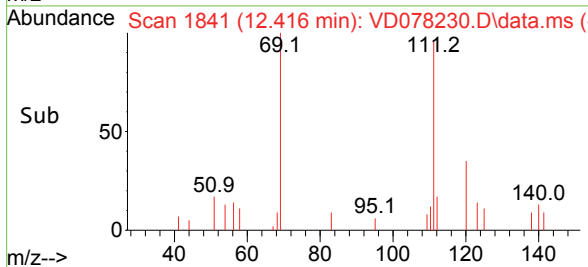
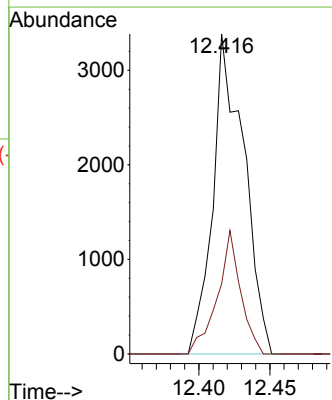
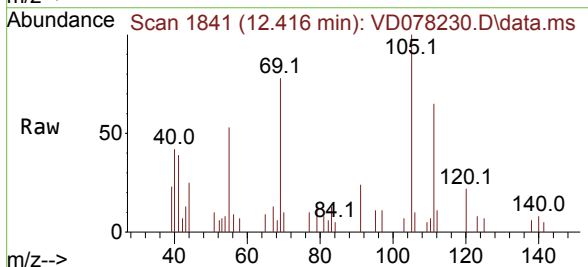
Acq: 24 Jan 2024 18:26

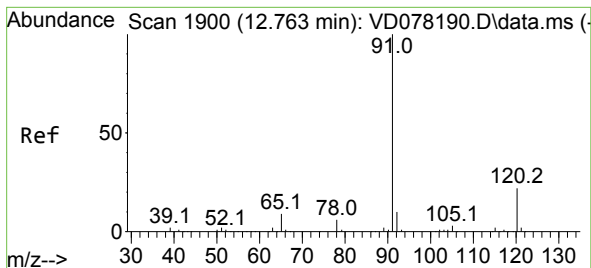
Tgt Ion:105 Resp: 5152

Ion Ratio Lower Upper

105 100

120 28.7 14.3 42.9





#78

n-propylbenzene

Concen: 3.156 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD078230.D

Acq: 24 Jan 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

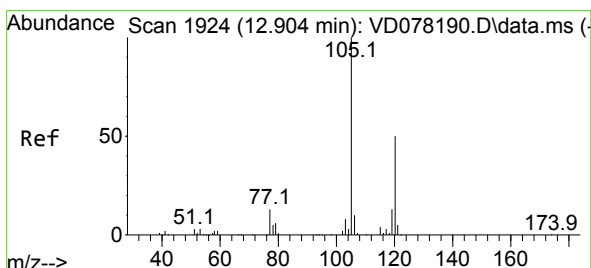
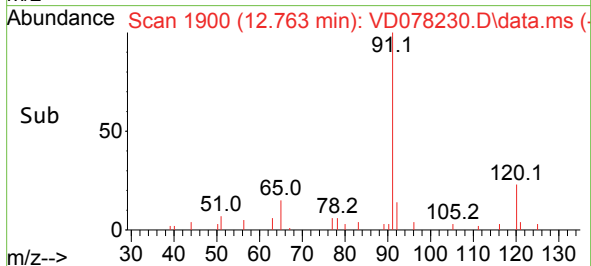
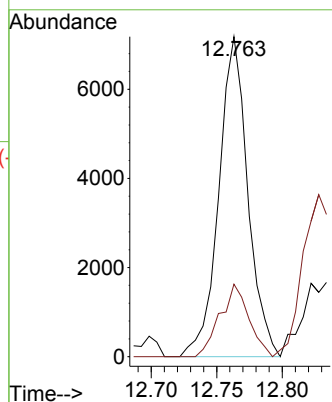
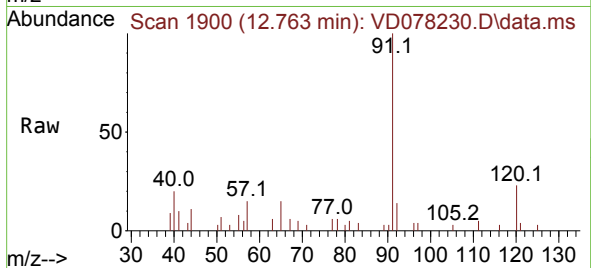
137

Tgt Ion: 91 Resp: 11048

Ion Ratio Lower Upper

91 100

120 22.5 12.4 37.2



#80

1,3,5-Trimethylbenzene

Concen: 3.520 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD078230.D

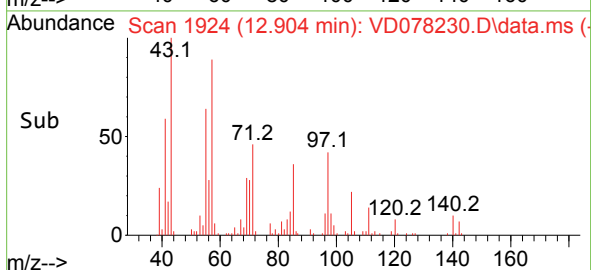
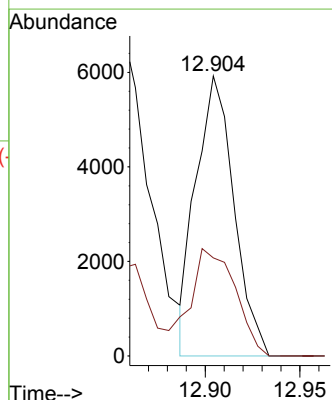
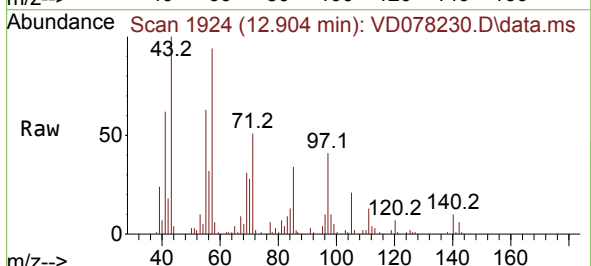
Acq: 24 Jan 2024 18:26

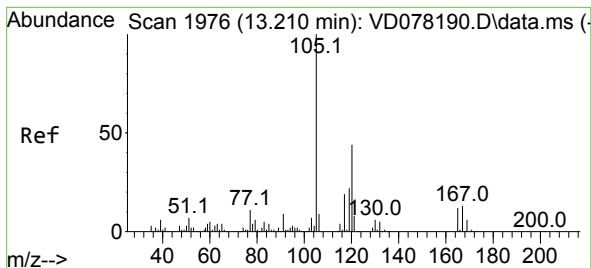
Tgt Ion: 105 Resp: 8238

Ion Ratio Lower Upper

105 100

120 45.2 26.4 79.2





#84

1,2,4-Trimethylbenzene

Concen: 10.164 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD078230.D

Acq: 24 Jan 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

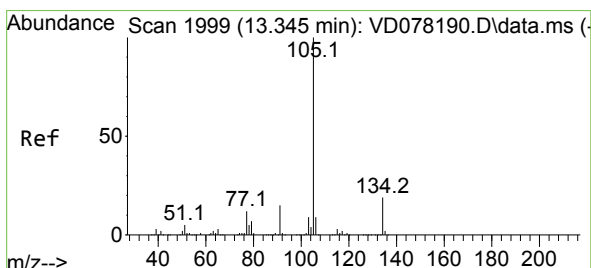
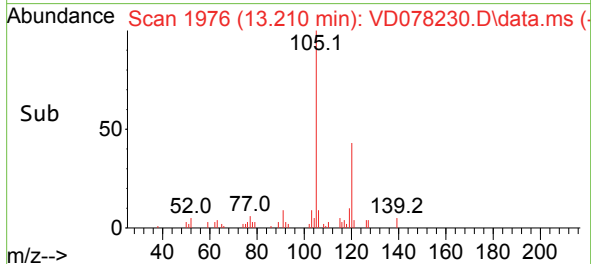
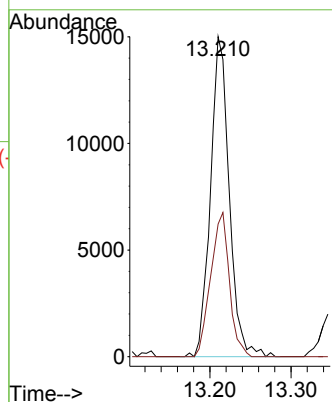
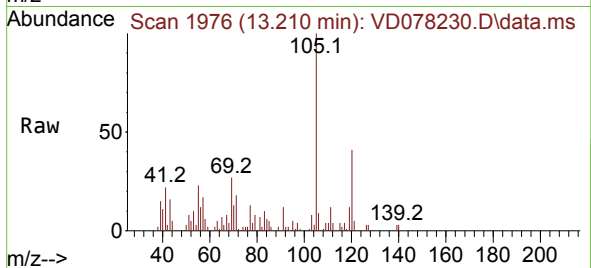
137

Tgt Ion:105 Resp: 24058

Ion Ratio Lower Upper

105 100

120 44.9 24.3 72.9



#85

sec-Butylbenzene

Concen: 1.023 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078230.D

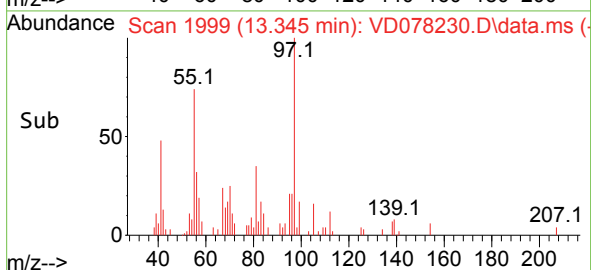
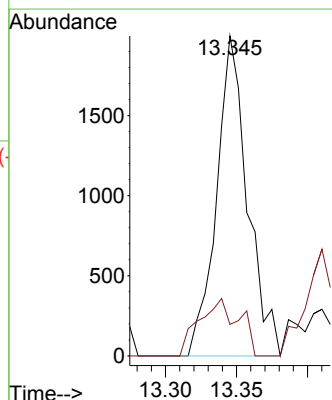
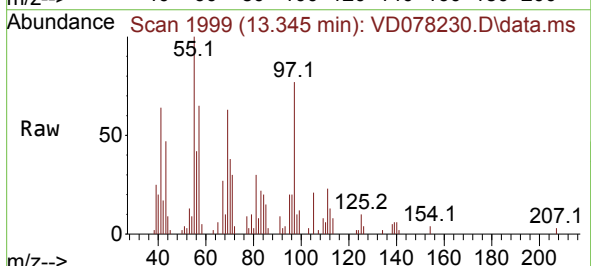
Acq: 24 Jan 2024 18:26

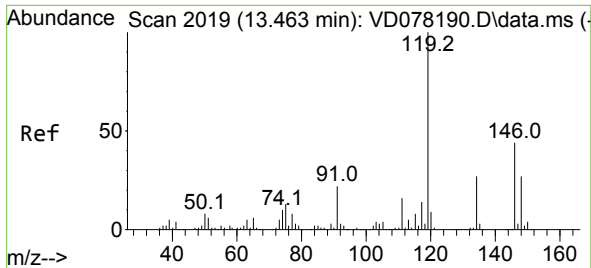
Tgt Ion:105 Resp: 3032

Ion Ratio Lower Upper

105 100

134 23.1 10.9 32.9





#86
 p-Isopropyltoluene
 Concen: 6.110 ug/l
 RT: 13.463 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD078230.D
 Acq: 24 Jan 2024 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 137

Tgt Ion:	119	Resp:	15752
Ion	Ratio	Lower	Upper
119	100		
134	26.3	14.2	42.6
91	28.0	10.5	31.5

