

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
 Data File : VD078822.D
 Acq On : 16 Apr 2024 14:32
 Operator : RP/MD
 Sample : P2123-01
 Misc : 4.36G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RPI-SS-01

Quant Time: Apr 16 22:33:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

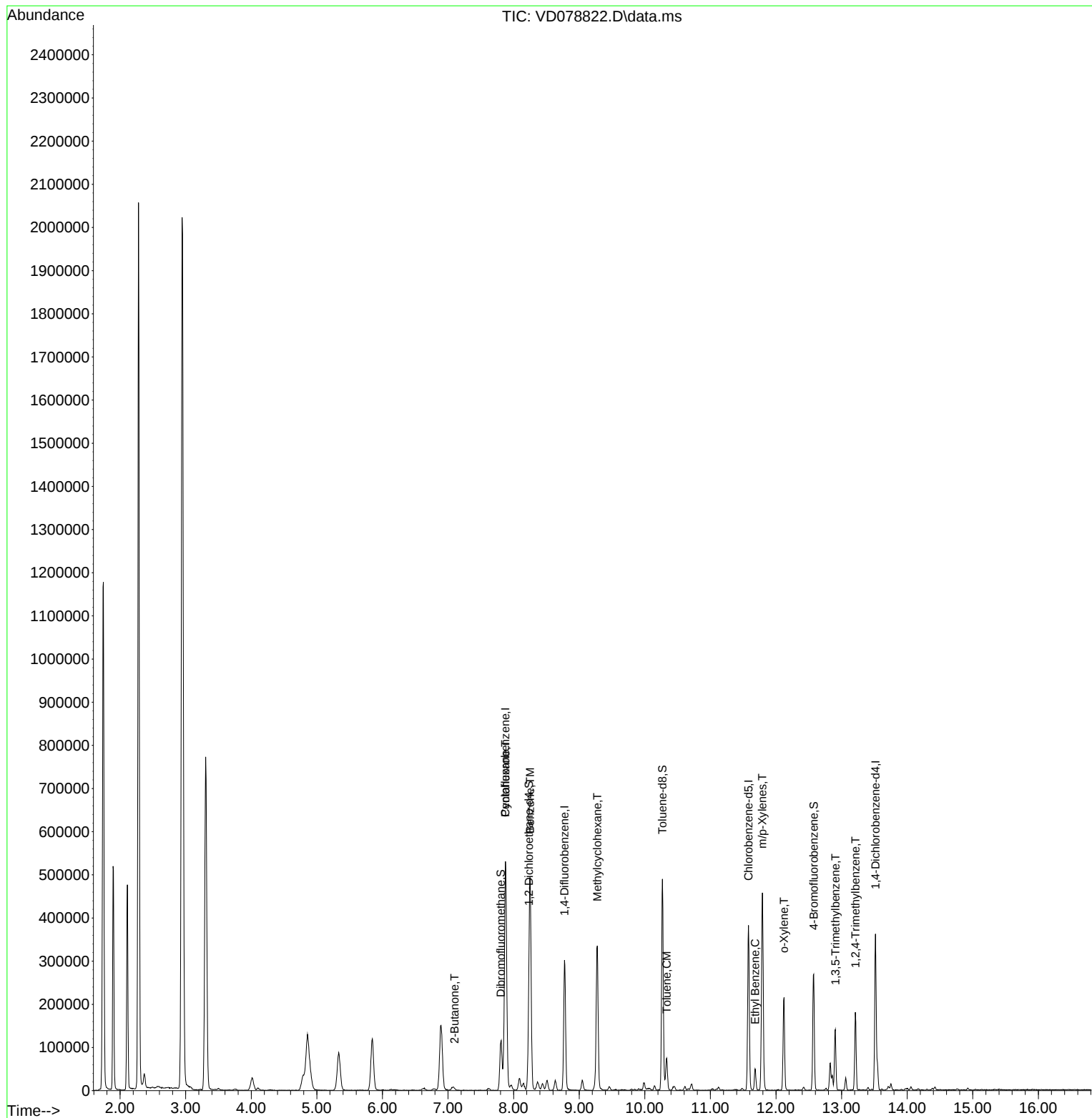
Internal Standards						
1) Pentafluorobenzene	7.875	168	152113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	276178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	228461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	94284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	72026	50.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.060%	
35) Dibromofluoromethane	7.805	113	84395	47.462	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.920%	
50) Toluene-d8	10.269	98	329133	50.329	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.660%	
62) 4-Bromofluorobenzene	12.575	95	82276	43.005	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.000%	
Target Compounds						
					Qvalue	
25) 2-Butanone	7.099	43	4993	13.624	ug/l #	87
31) Cyclohexane	7.875	56	184458	76.983	ug/l	99
39) Methylcyclohexane	9.275	83	153253	51.206	ug/l	96
40) Benzene	8.252	78	497924	63.844	ug/l	98
52) Toluene	10.334	92	34002	6.772	ug/l	95
67) Ethyl Benzene	11.681	91	33940	4.172	ug/l	89
68) m/p-Xylenes	11.793	106	150451	45.542	ug/l	100
69) o-Xylene	12.122	106	62061	20.304	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	76660	14.933	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	97204	18.790	ug/l	97

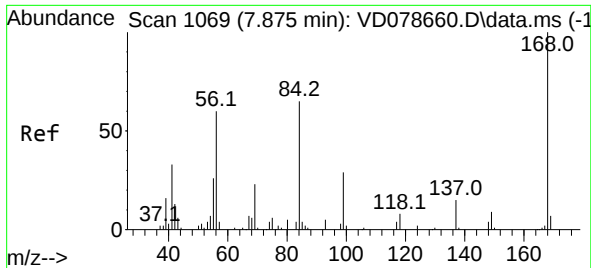
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

Quant Time: Apr 16 22:33:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 05:38:03 2024
Response via : Initial Calibration

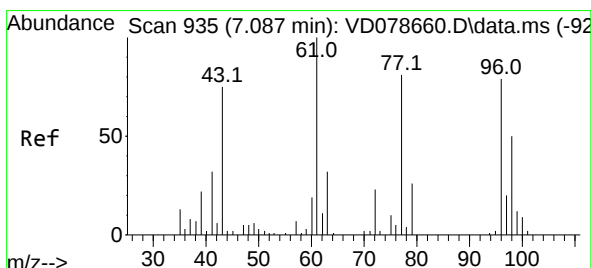
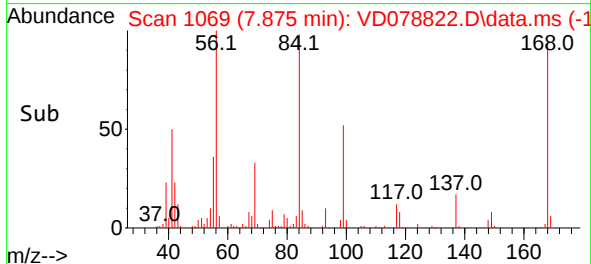
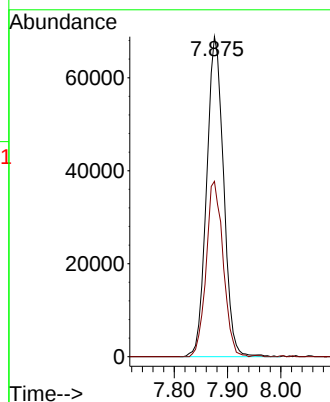
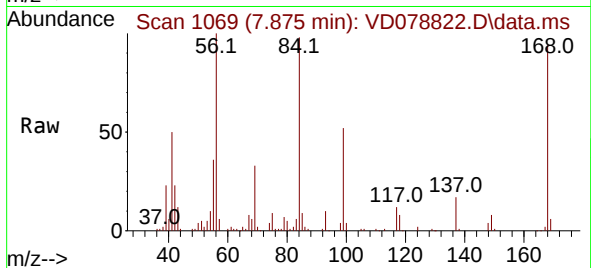




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078822.D
Acq: 16 Apr 2024 14:32

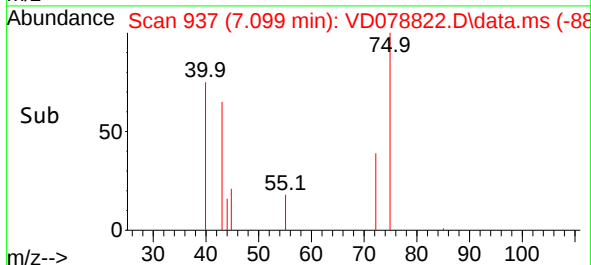
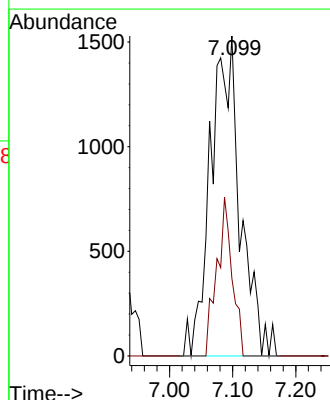
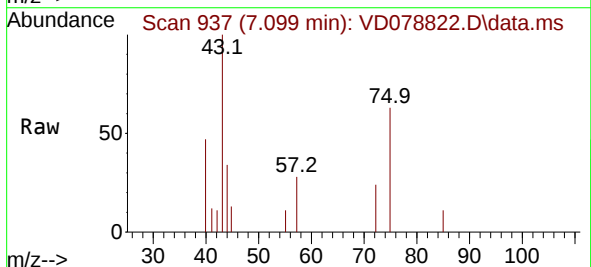
Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

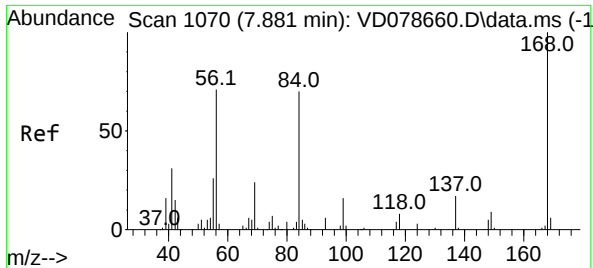
Tgt Ion:168 Resp: 152113
Ion Ratio Lower Upper
168 100
99 54.8 38.8 58.2



#25
2-Butanone
Concen: 13.624 ug/l
RT: 7.099 min Scan# 937
Delta R.T. 0.012 min
Lab File: VD078822.D
Acq: 16 Apr 2024 14:32

Tgt Ion: 43 Resp: 4993
Ion Ratio Lower Upper
43 100
72 24.3 25.0 37.6#

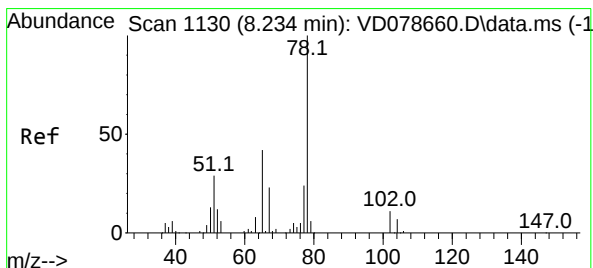
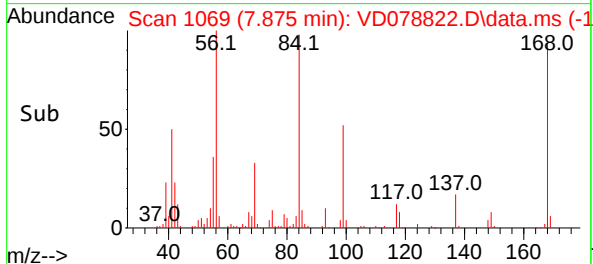
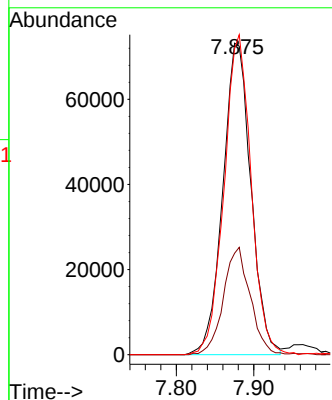
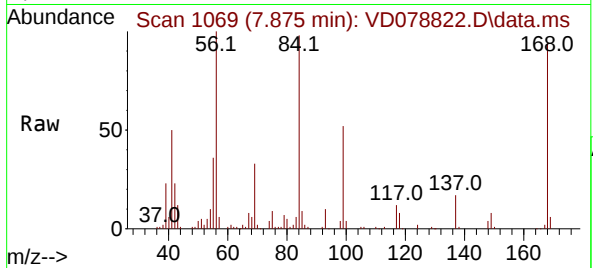




#31
Cyclohexane
Concen: 76.983 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078822.D
Acq: 16 Apr 2024 14:32

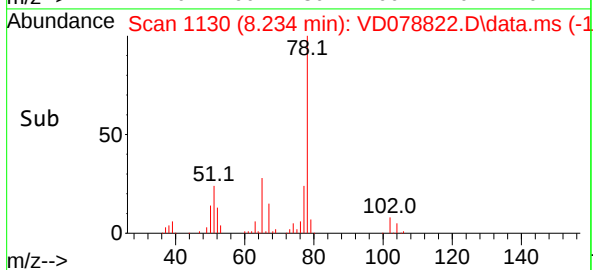
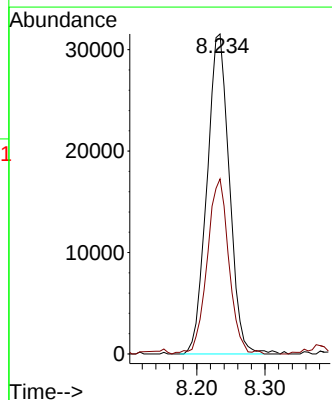
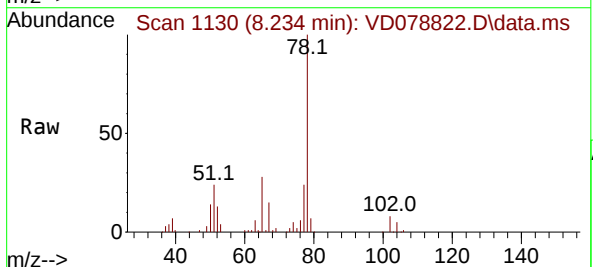
Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

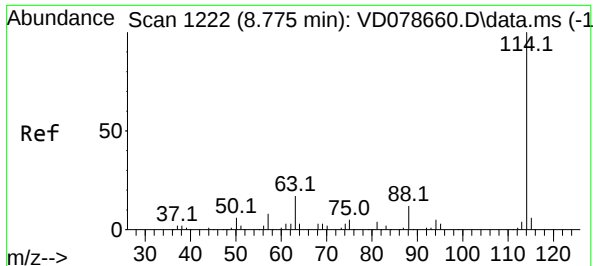
Tgt Ion: 56 Resp: 184458
Ion Ratio Lower Upper
56 100
69 32.6 26.6 40.0
84 98.2 79.4 119.2



#33
1,2-Dichloroethane-d4
Concen: 50.525 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078822.D
Acq: 16 Apr 2024 14:32

Tgt Ion: 65 Resp: 72026
Ion Ratio Lower Upper
65 100
67 52.9 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078822.D

Acq: 16 Apr 2024 14:32

Instrument :

MSVOA_D

ClientSampleId :

RPI-SS-01

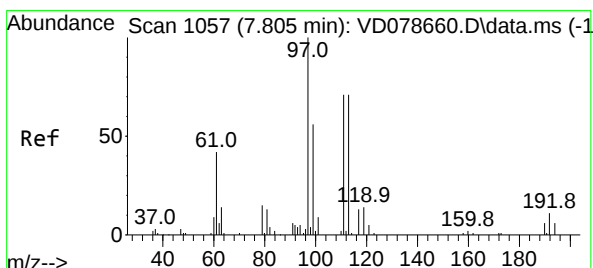
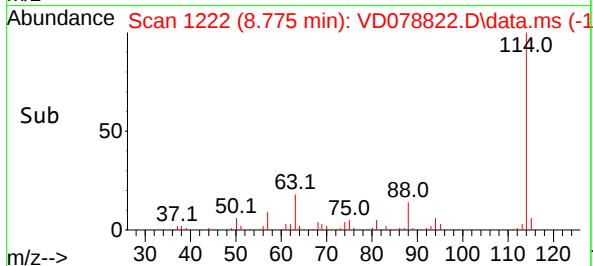
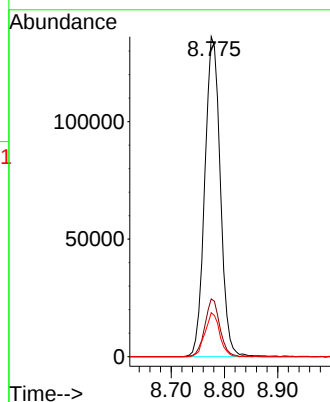
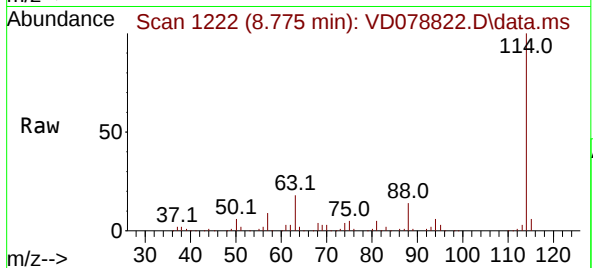
Tgt Ion:114 Resp: 276178

Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.4

88 13.7 0.0 24.6



#35

Dibromofluoromethane

Concen: 47.462 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078822.D

Acq: 16 Apr 2024 14:32

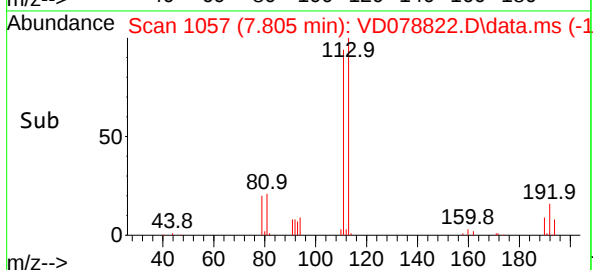
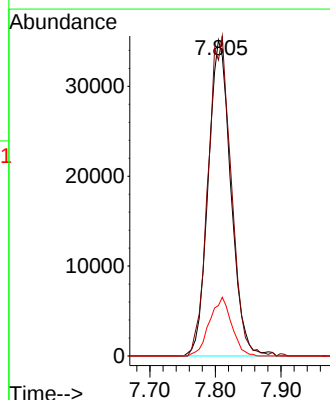
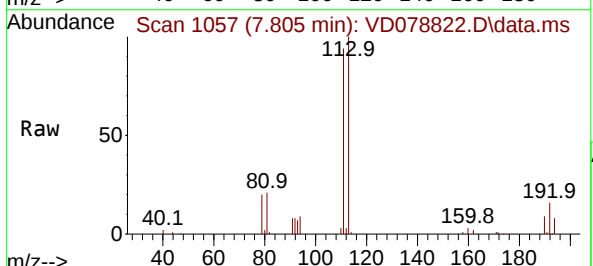
Tgt Ion:113 Resp: 84395

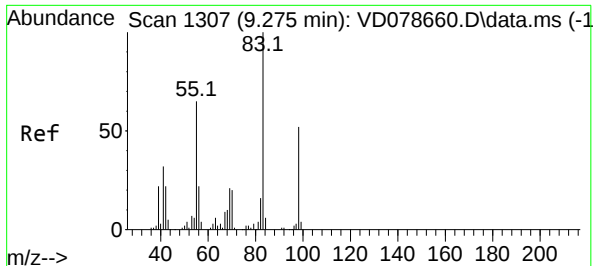
Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 18.1 15.4 23.0





#39

Methylcyclohexane

Concen: 51.206 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD078822.D

Acq: 16 Apr 2024 14:32

Instrument :

MSVOA_D

ClientSampleId :

RPI-SS-01

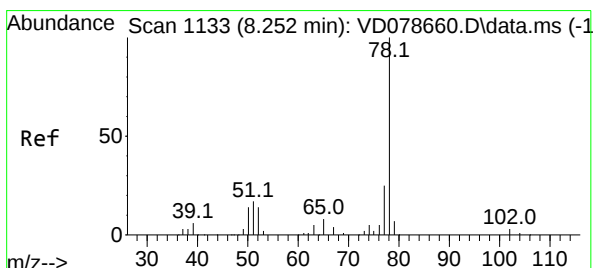
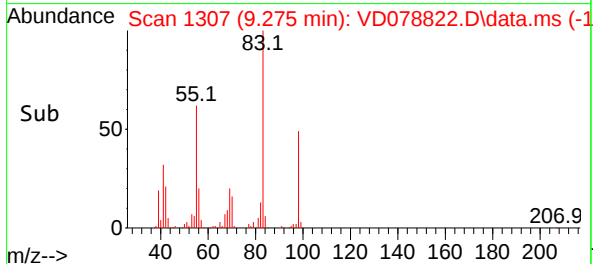
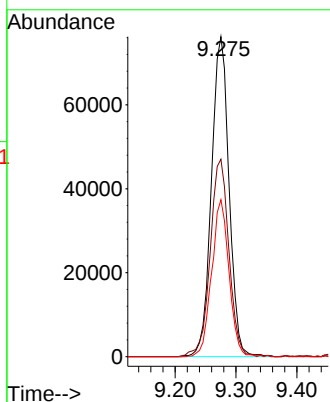
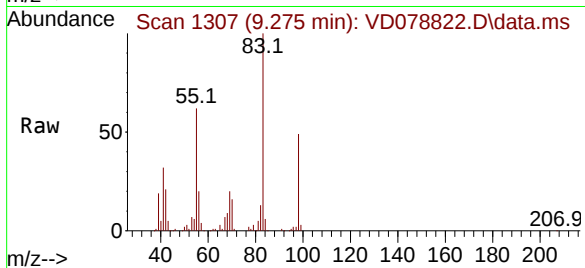
Tgt Ion: 83 Resp: 153253

Ion Ratio Lower Upper

83 100

55 61.7 51.7 77.5

98 49.0 41.4 62.0



#40

Benzene

Concen: 63.844 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD078822.D

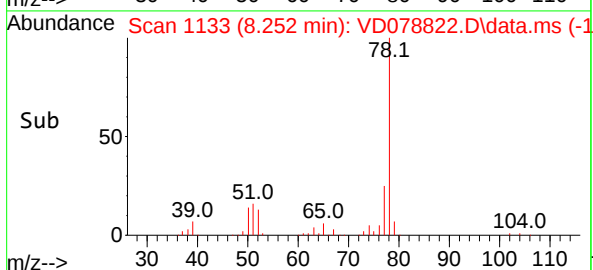
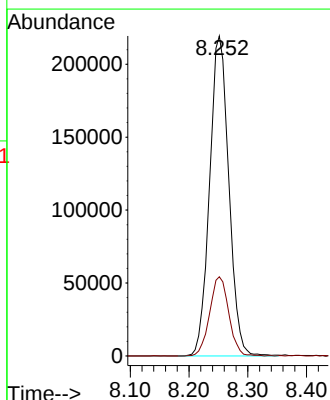
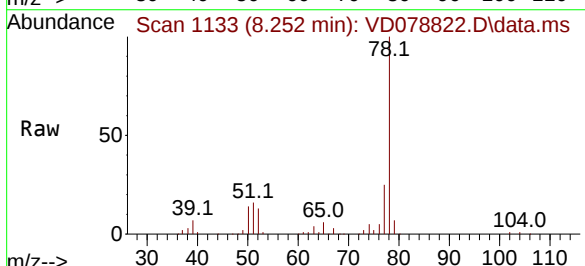
Acq: 16 Apr 2024 14:32

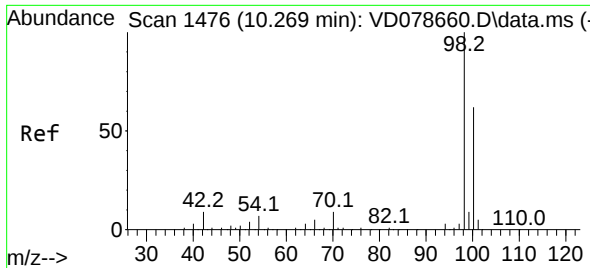
Tgt Ion: 78 Resp: 497924

Ion Ratio Lower Upper

78 100

77 24.7 20.4 30.6

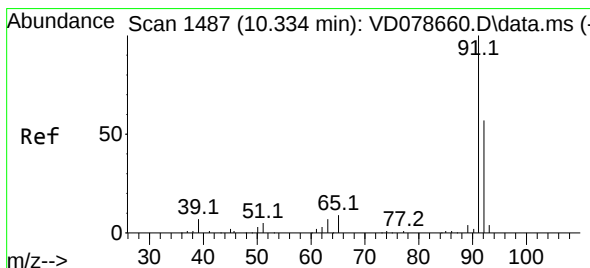
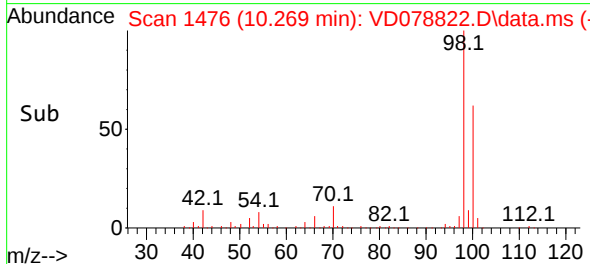
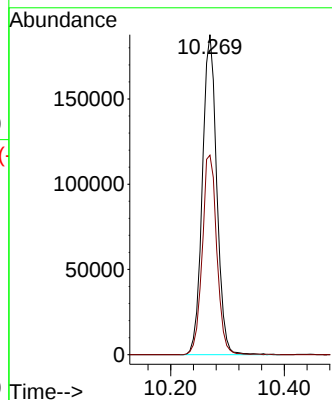
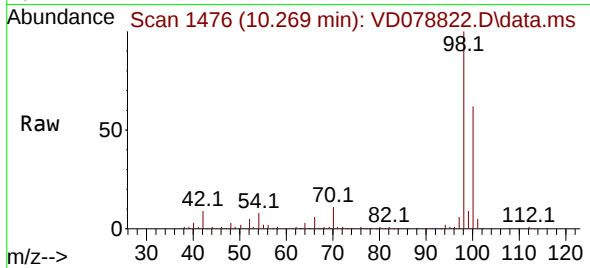




#50
Toluene-d8
Concen: 50.329 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078822.D
Acq: 16 Apr 2024 14:32

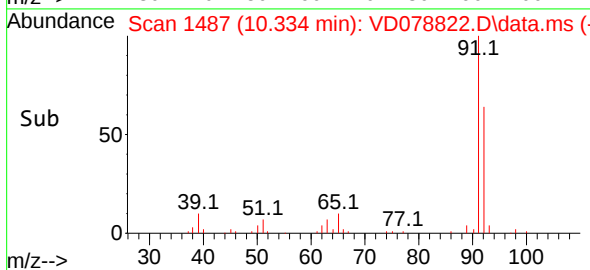
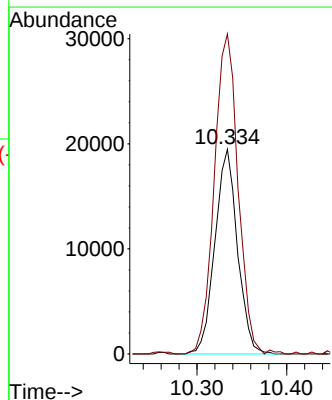
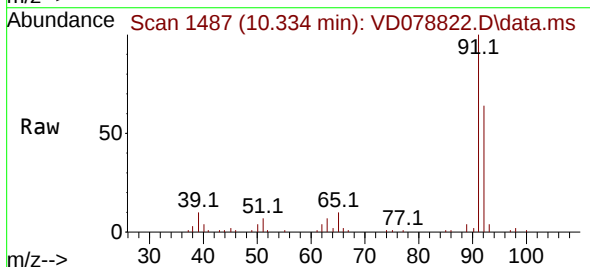
Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

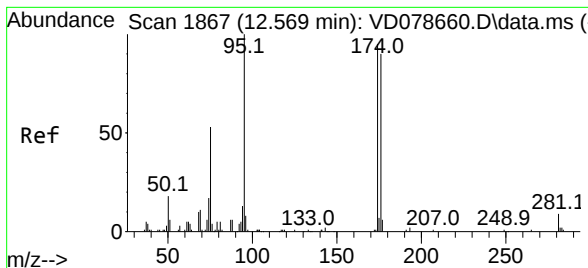
Tgt Ion: 98 Resp: 329133
Ion Ratio Lower Upper
98 100
100 63.0 50.5 75.7



#52
Toluene
Concen: 6.772 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078822.D
Acq: 16 Apr 2024 14:32

Tgt Ion: 92 Resp: 34002
Ion Ratio Lower Upper
92 100
91 164.1 136.6 205.0

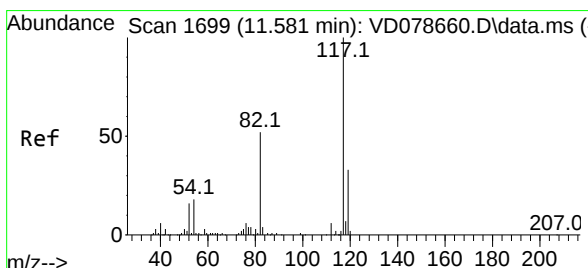
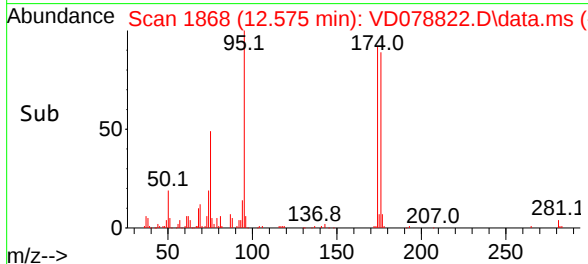
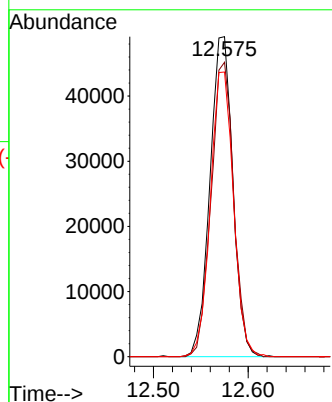
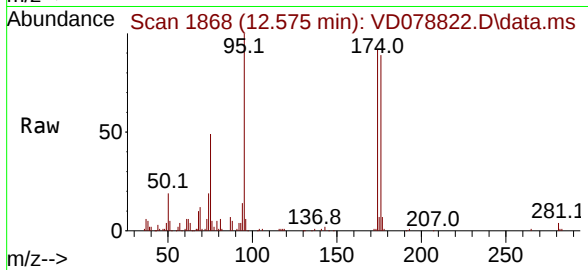




#62
4-Bromofluorobenzene
Concen: 43.005 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078822.D
Acq: 16 Apr 2024 14:32

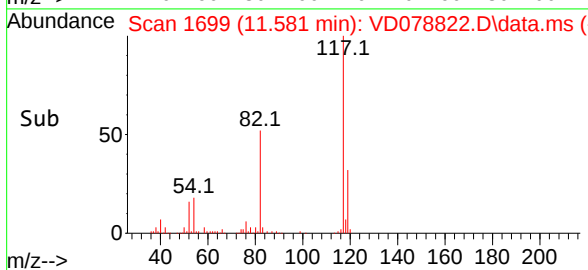
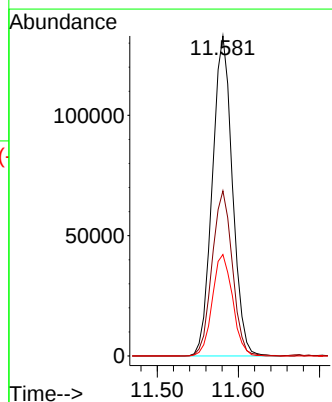
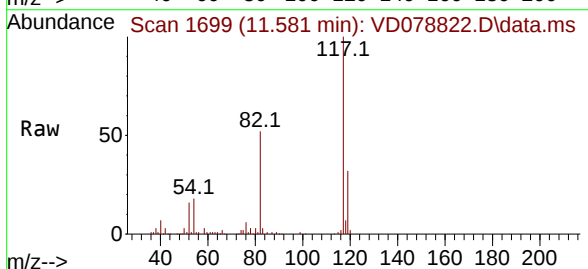
Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

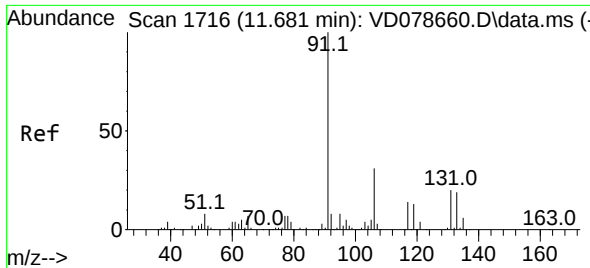
Tgt Ion: 95 Resp: 82276
Ion Ratio Lower Upper
95 100
174 91.0 0.0 195.2
176 89.7 0.0 188.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078822.D
Acq: 16 Apr 2024 14:32

Tgt Ion: 117 Resp: 228461
Ion Ratio Lower Upper
117 100
82 51.6 41.4 62.2
119 31.7 26.5 39.7

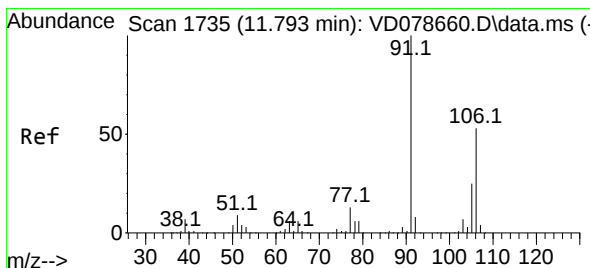
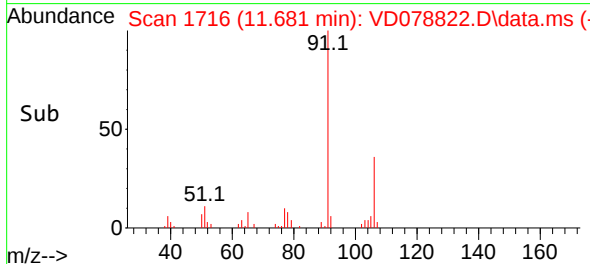
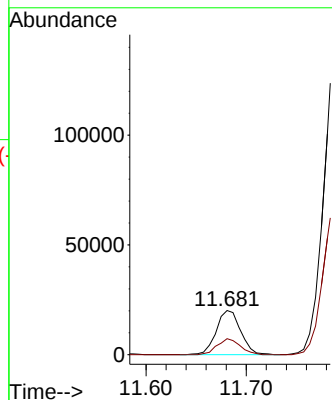
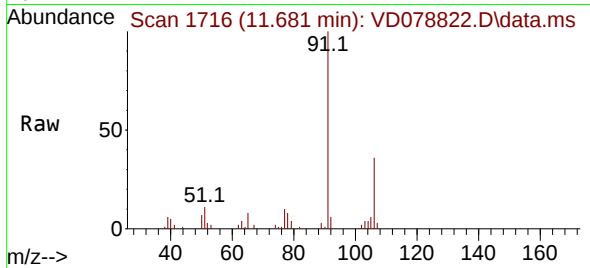




#67
Ethyl Benzene
Concen: 4.172 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078822.D
Acq: 16 Apr 2024 14:32

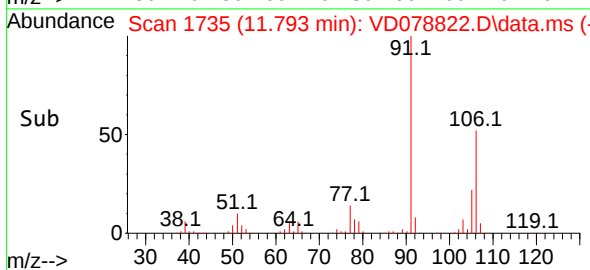
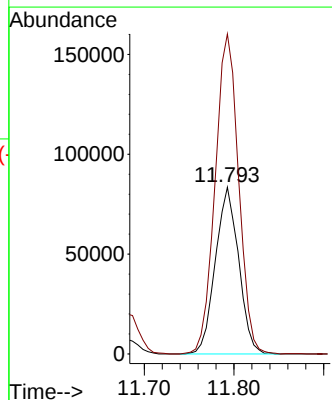
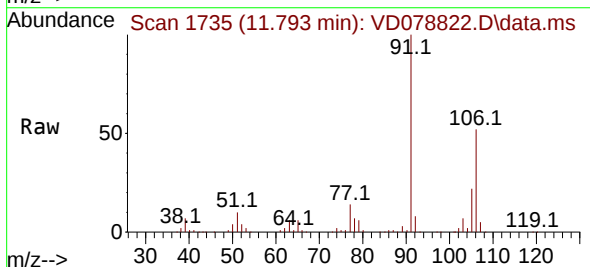
Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

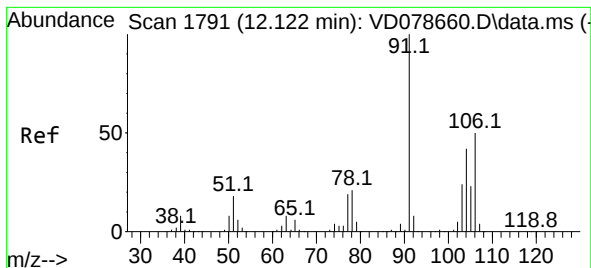
Tgt Ion: 91 Resp: 33940
Ion Ratio Lower Upper
91 100
106 36.4 24.5 36.7



#68
m/p-Xylenes
Concen: 45.542 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078822.D
Acq: 16 Apr 2024 14:32

Tgt Ion: 106 Resp: 150451
Ion Ratio Lower Upper
106 100
91 193.4 154.4 231.6





#69

o-Xylene

Concen: 20.304 ug/l

RT: 12.122 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078822.D

Acq: 16 Apr 2024 14:32

Instrument :

MSVOA_D

ClientSampleId :

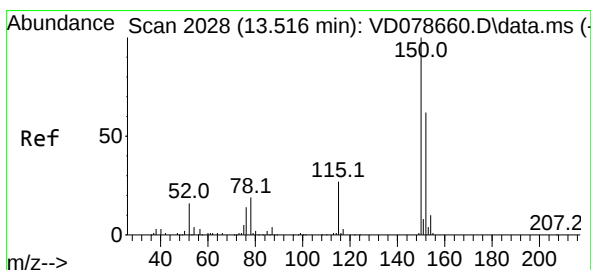
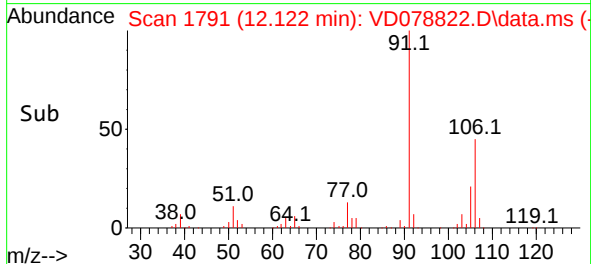
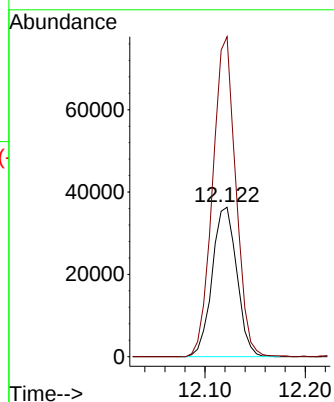
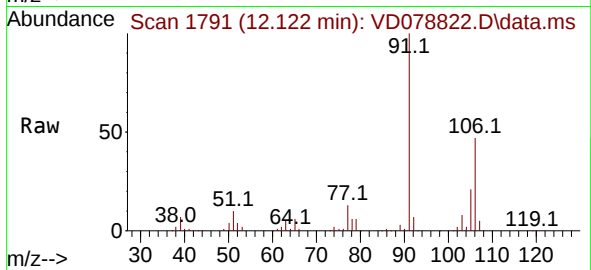
RPI-SS-01

Tgt Ion:106 Resp: 62061

Ion Ratio Lower Upper

106 100

91 201.3 99.6 298.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078822.D

Acq: 16 Apr 2024 14:32

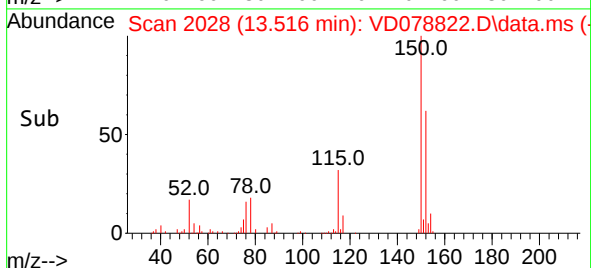
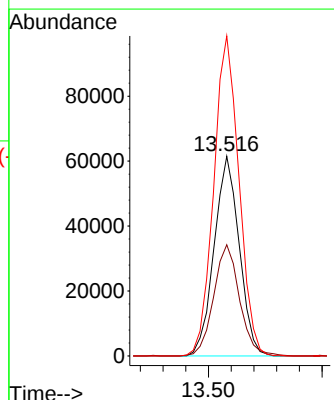
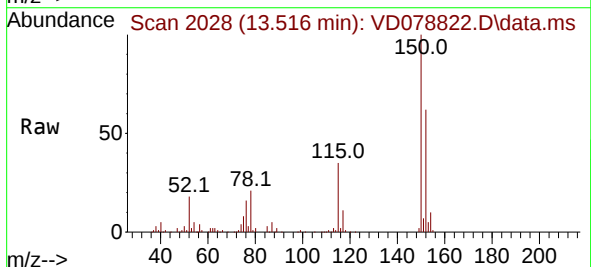
Tgt Ion:152 Resp: 94284

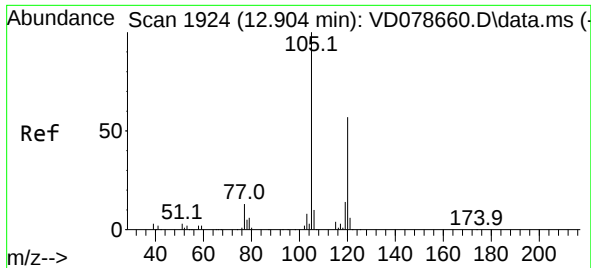
Ion Ratio Lower Upper

152 100

115 57.4 27.1 81.2

150 161.1 0.0 350.2

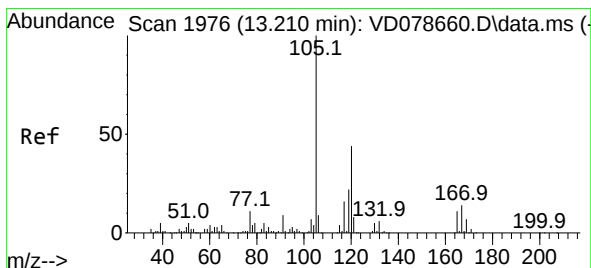
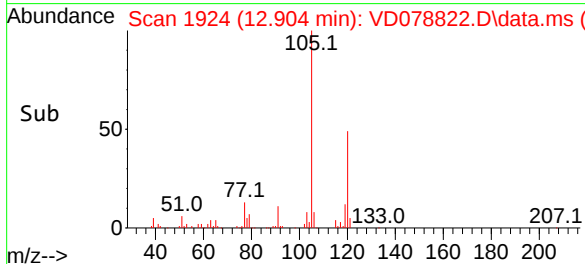
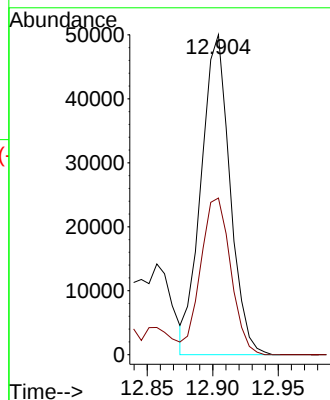
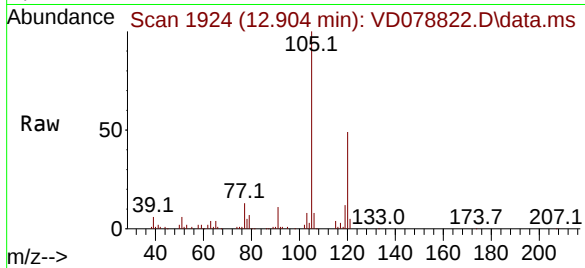




#80
 1,3,5-Trimethylbenzene
 Concen: 14.933 ug/l
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD078822.D
 Acq: 16 Apr 2024 14:32

Instrument :
 MSVOA_D
 ClientSampleId :
 RPI-SS-01

Tgt Ion:105 Resp: 76660
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.9 77.7



#84
 1,2,4-Trimethylbenzene
 Concen: 18.790 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD078822.D
 Acq: 16 Apr 2024 14:32

Tgt Ion:105 Resp: 97204
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.1 69.2

