

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078025.D
 Acq On : 21 Dec 2023 14:57
 Operator : RP/MD
 Sample : 05940-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-01-122023

Quant Time: Dec 22 05:16:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

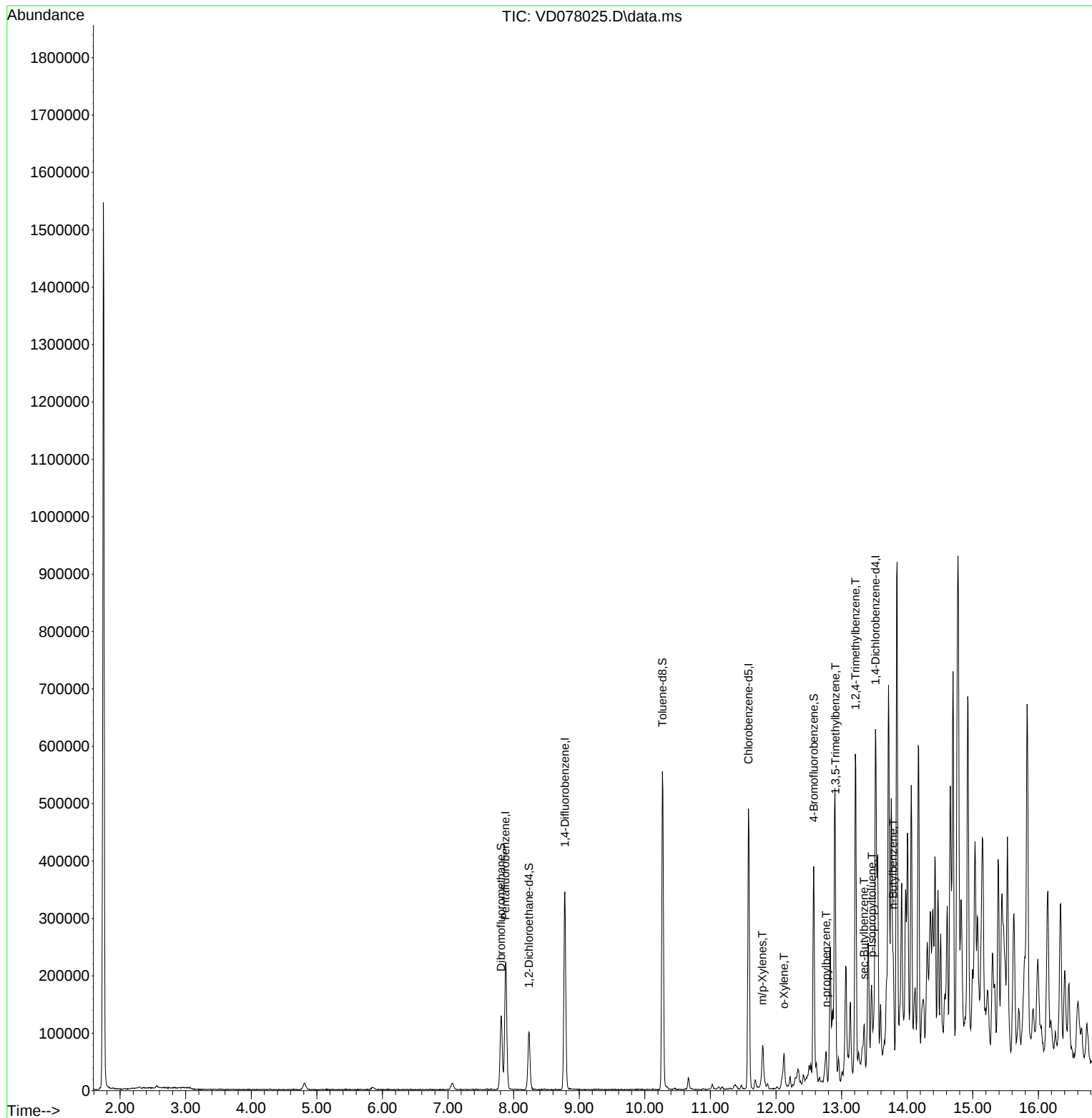
Internal Standards						
1) Pentafluorobenzene	7.875	168	171018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	302428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	283339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	136055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77349	38.383	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.760%
35) Dibromofluoromethane	7.811	113	94565	44.640	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.280%
50) Toluene-d8	10.269	98	391168	46.104	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.200%
62) 4-Bromofluorobenzene	12.575	95	108908	42.934	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.860%
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.793	106	13181	2.921	ug/l	94
69) o-Xylene	12.122	106	14975	3.601	ug/l	93
78) n-propylbenzene	12.763	91	41119	3.272	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	84766	9.856	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	304618	35.412	ug/l	97
85) sec-Butylbenzene	13.345	105	40963	3.817	ug/l	93
86) p-Isopropyltoluene	13.463	119	34471	3.587	ug/l	98
89) n-Butylbenzene	13.787	91	78036	8.631	ug/l #	74

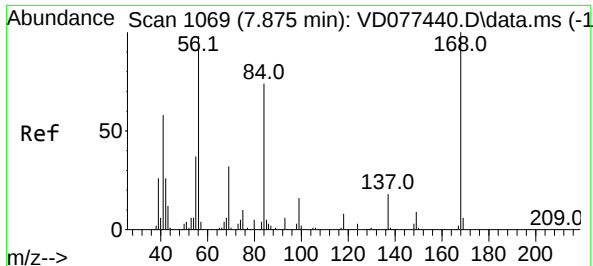
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
Data File : VD078025.D
Acq On : 21 Dec 2023 14:57
Operator : RP/MD
Sample : 05940-01
Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PL-01-122023

Quant Time: Dec 22 05:16:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration

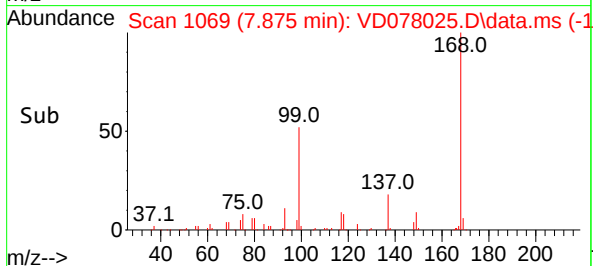
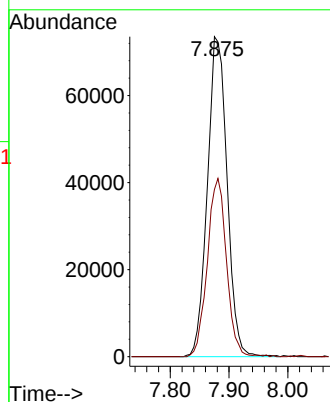
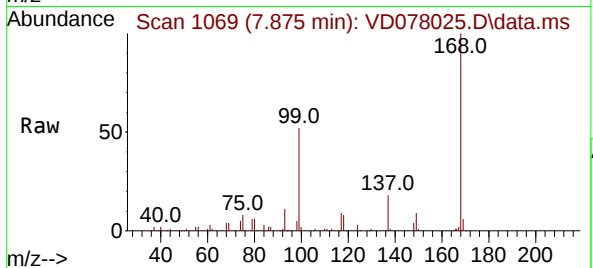




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

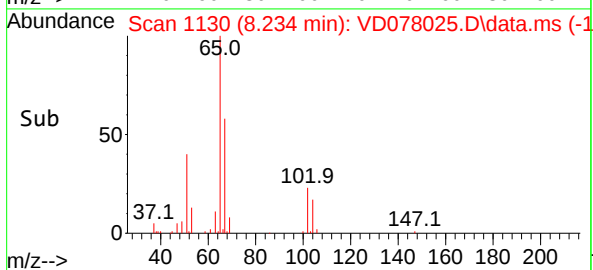
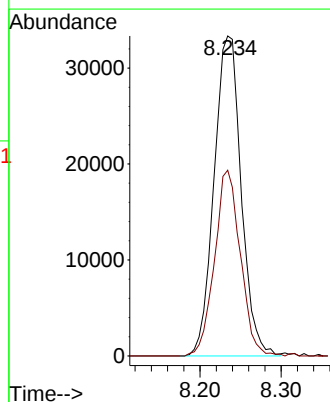
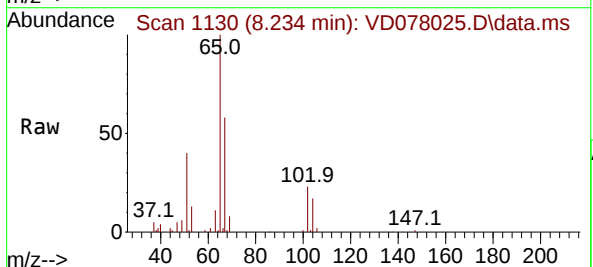
Instrument :
MSVOA_D
ClientSampleId :
PL-01-122023

Tgt Ion:168 Resp: 171018
Ion Ratio Lower Upper
168 100
99 52.3 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 38.383 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

Tgt Ion: 65 Resp: 77349
Ion Ratio Lower Upper
65 100
67 55.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078025.D

Acq: 21 Dec 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

PL-01-122023

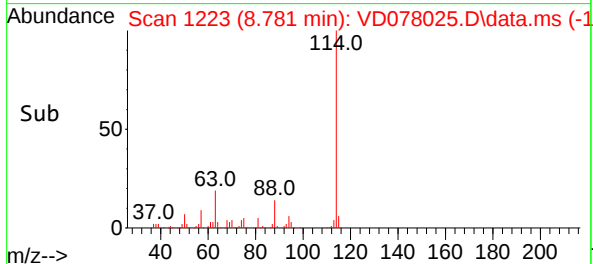
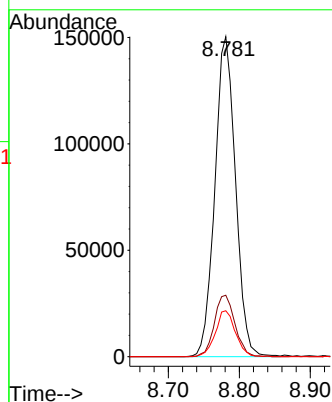
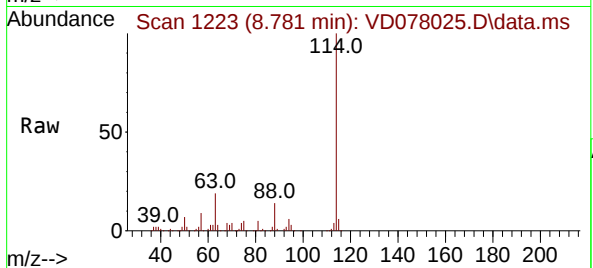
Tgt Ion:114 Resp: 302428

Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.4

88 14.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 44.640 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078025.D

Acq: 21 Dec 2023 14:57

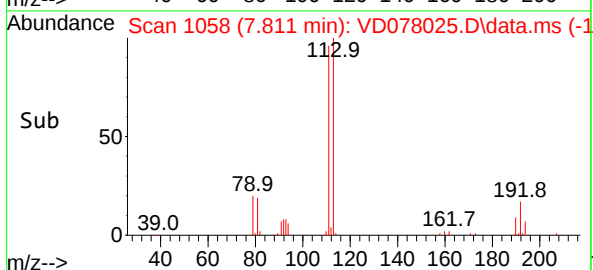
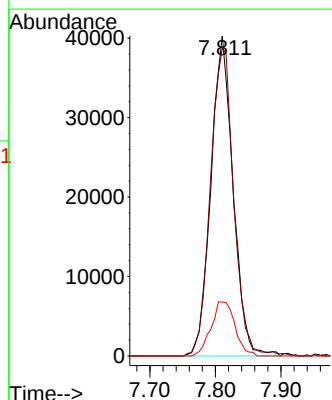
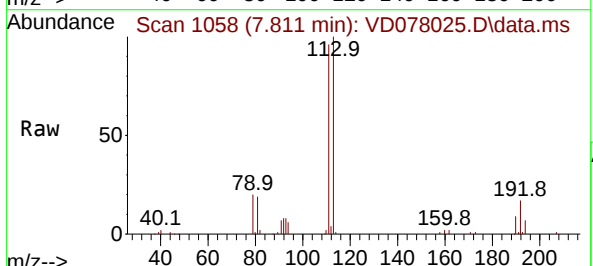
Tgt Ion:113 Resp: 94565

Ion Ratio Lower Upper

113 100

111 100.8 84.7 127.1

192 18.2 16.8 25.2

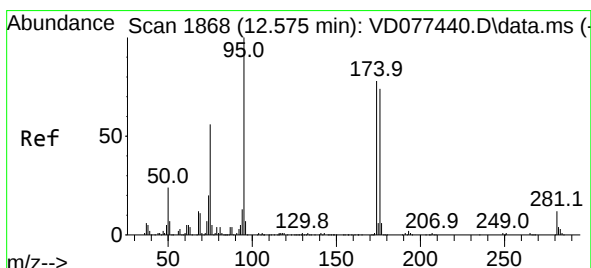
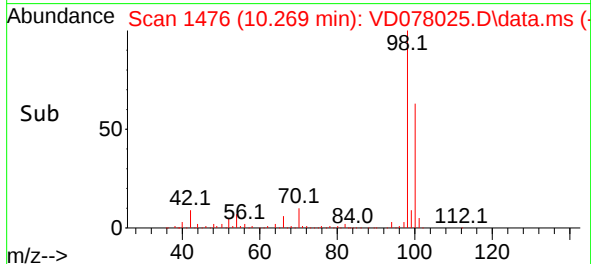
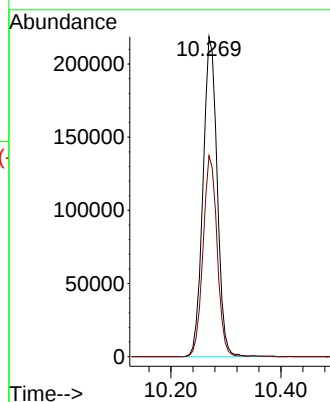
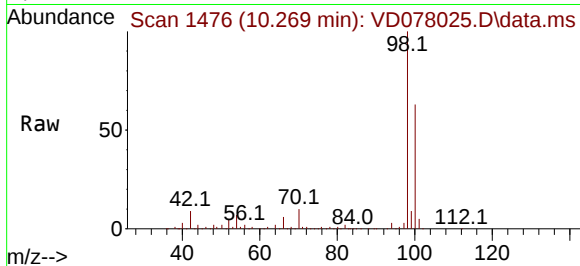




#50
Toluene-d8
Concen: 46.104 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

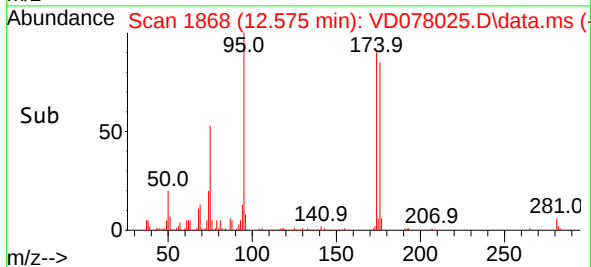
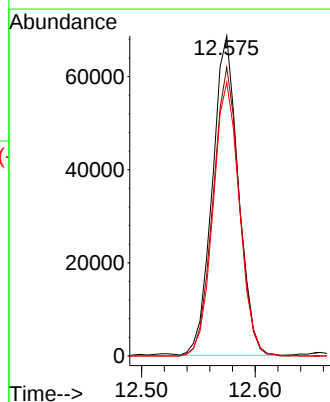
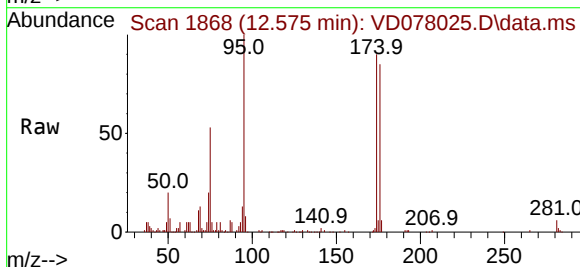
Instrument :
MSVOA_D
ClientSampleId :
PL-01-122023

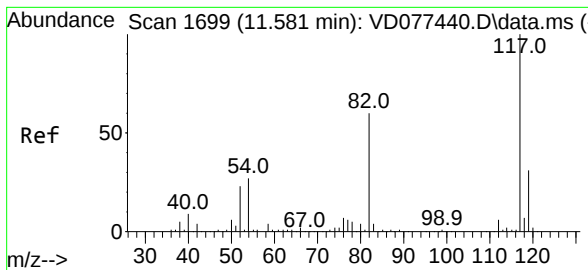
Tgt Ion: 98 Resp: 391168
Ion Ratio Lower Upper
98 100
100 62.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.934 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

Tgt Ion: 95 Resp: 108908
Ion Ratio Lower Upper
95 100
174 91.1 0.0 201.8
176 86.9 0.0 191.8

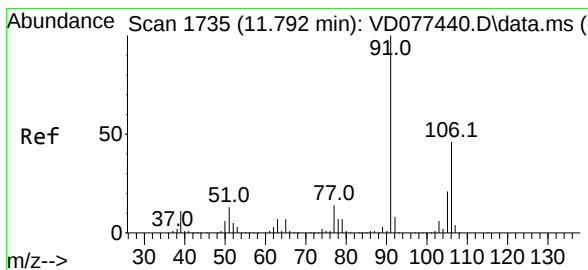
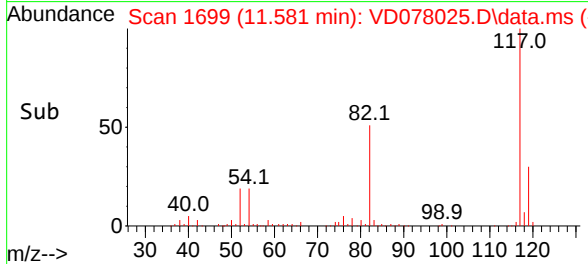
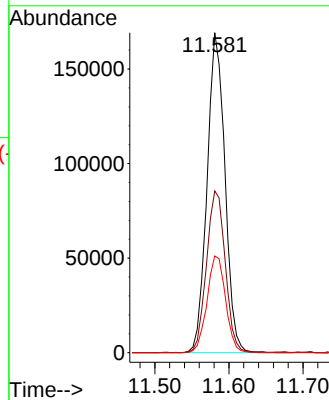
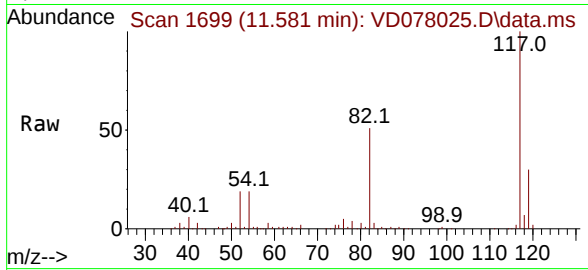




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

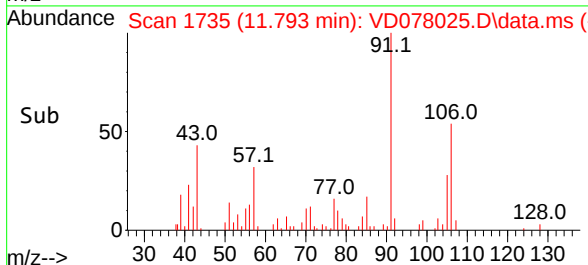
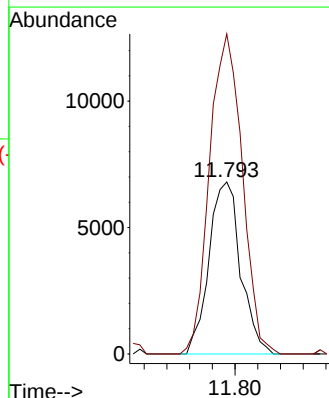
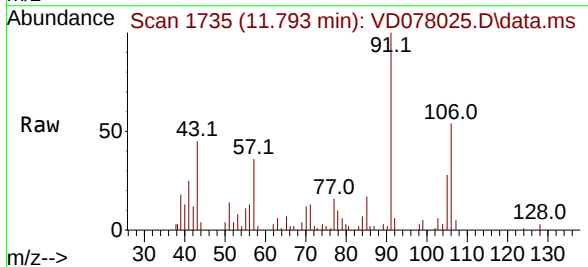
Instrument :
MSVOA_D
ClientSampleId :
PL-01-122023

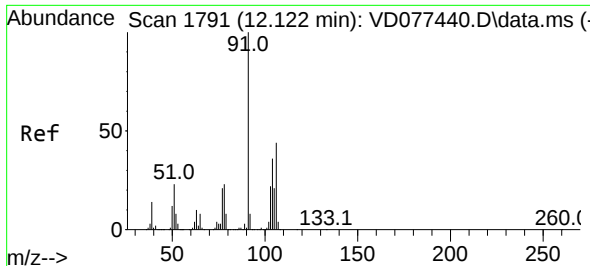
Tgt Ion:117 Resp: 283339
Ion Ratio Lower Upper
117 100
82 50.6 38.3 57.5
119 30.3 25.0 37.4



#68
m/p-Xylenes
Concen: 2.921 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.001 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

Tgt Ion:106 Resp: 13181
Ion Ratio Lower Upper
106 100
91 192.1 147.0 220.6

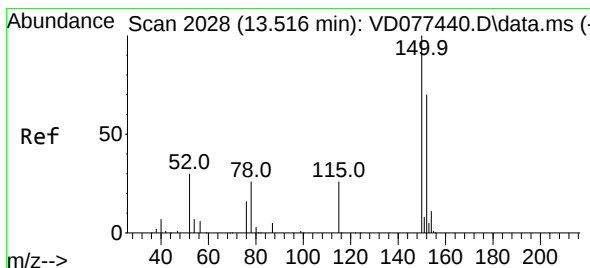
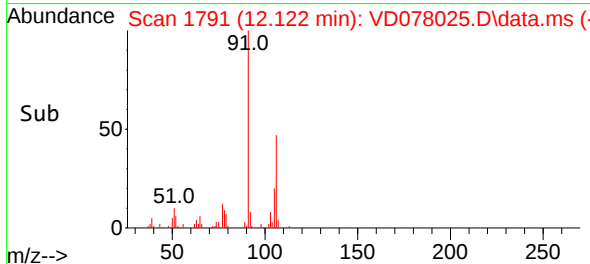
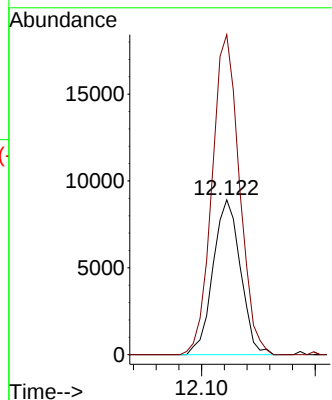
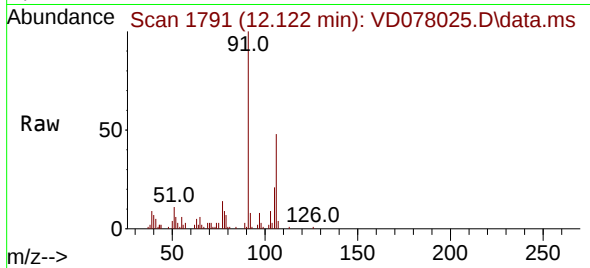




#69
o-Xylene
Concen: 3.601 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

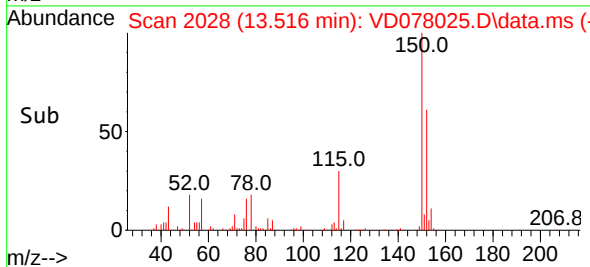
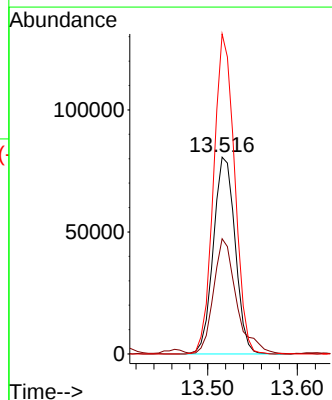
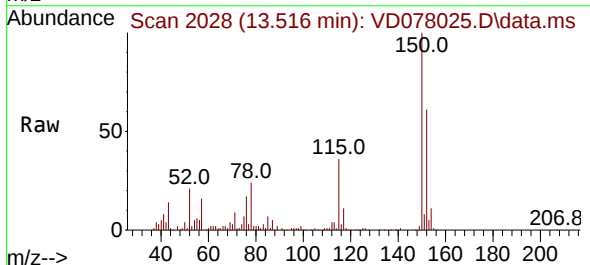
Instrument :
MSVOA_D
ClientSampleId :
PL-01-122023

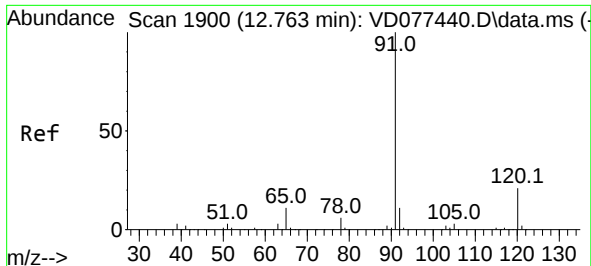
Tgt Ion:106 Resp: 14975
Ion Ratio Lower Upper
106 100
91 206.1 97.9 293.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

Tgt Ion:152 Resp: 136055
Ion Ratio Lower Upper
152 100
115 61.8 27.1 81.3
150 156.9 0.0 353.6

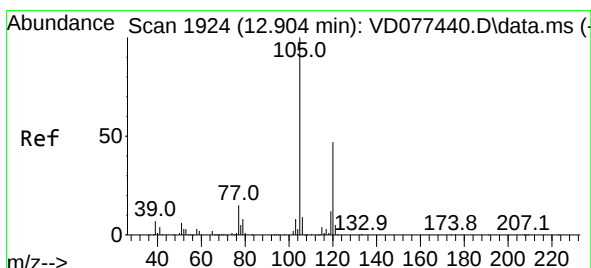
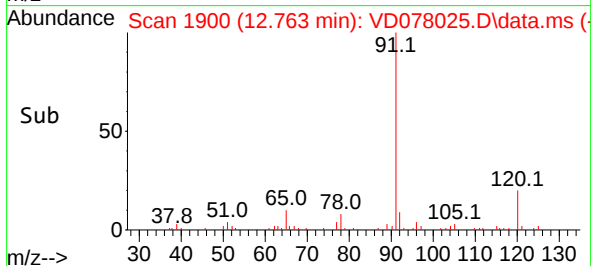
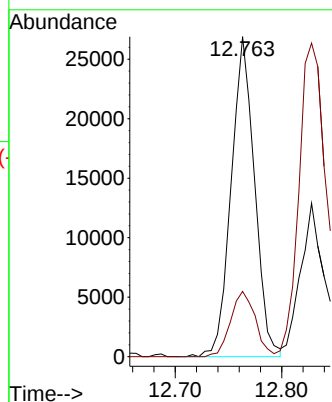
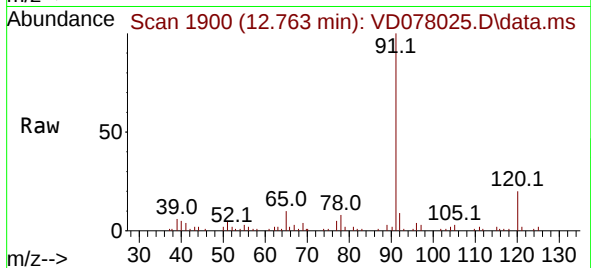




#78
n-propylbenzene
Concen: 3.272 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

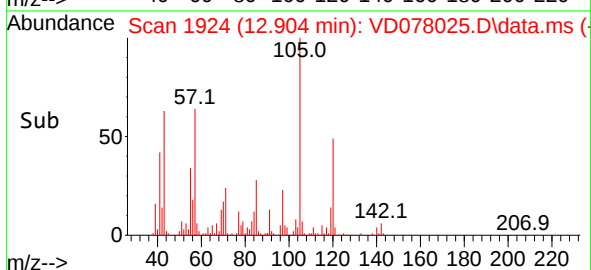
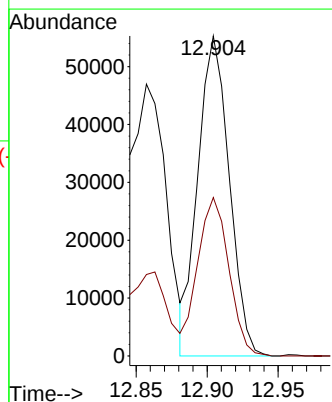
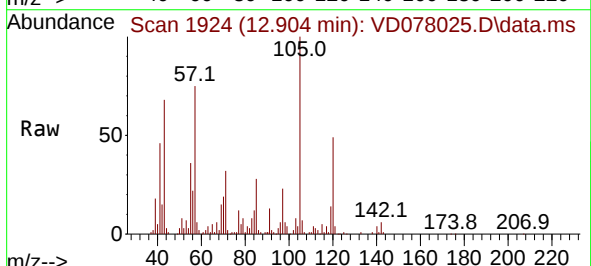
Instrument :
MSVOA_D
ClientSampleId :
PL-01-122023

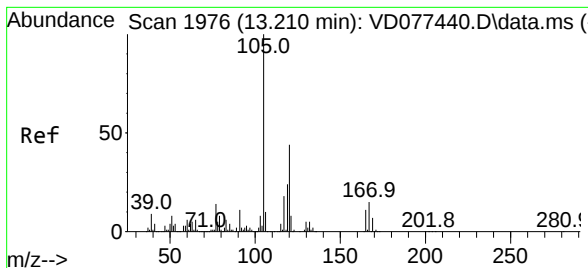
Tgt Ion: 91 Resp: 41119
Ion Ratio Lower Upper
91 100
120 21.6 12.4 37.2



#80
1,3,5-Trimethylbenzene
Concen: 9.856 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

Tgt Ion: 105 Resp: 84766
Ion Ratio Lower Upper
105 100
120 49.5 26.4 79.2





#84

1,2,4-Trimethylbenzene

Concen: 35.412 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD078025.D

Acq: 21 Dec 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

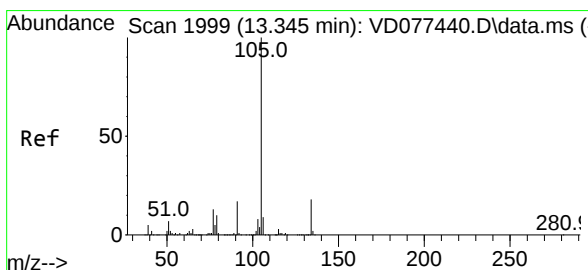
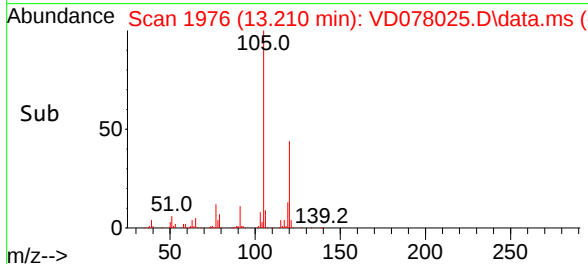
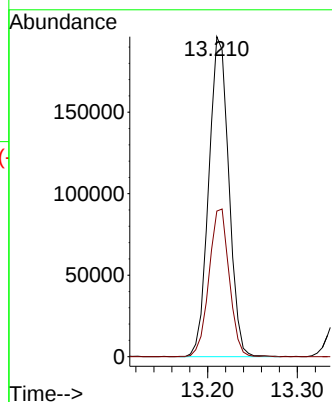
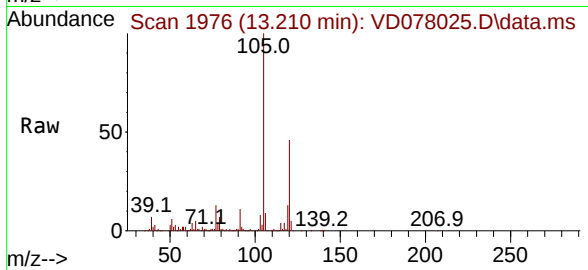
PL-01-122023

Tgt Ion:105 Resp: 304618

Ion Ratio Lower Upper

105 100

120 46.5 24.3 72.9



#85

sec-Butylbenzene

Concen: 3.817 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078025.D

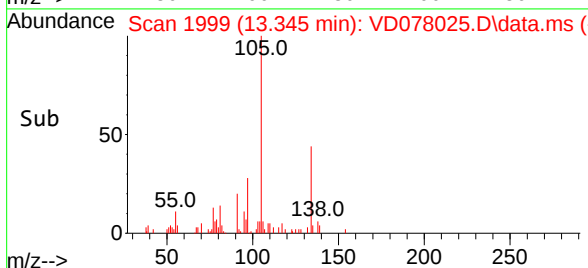
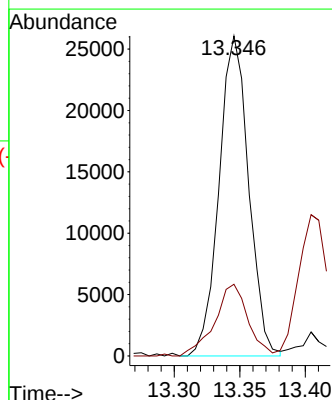
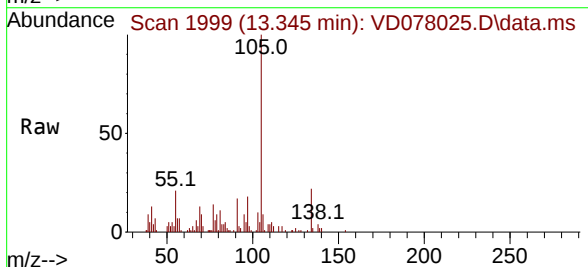
Acq: 21 Dec 2023 14:57

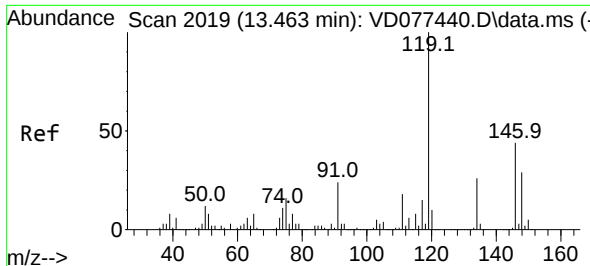
Tgt Ion:105 Resp: 40963

Ion Ratio Lower Upper

105 100

134 25.1 10.9 32.9

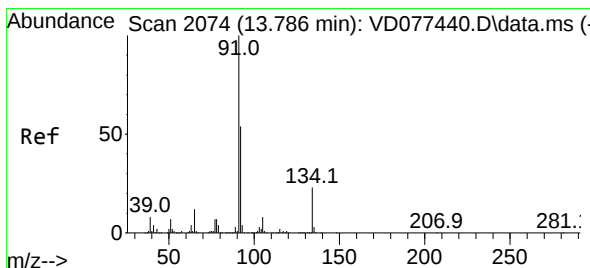
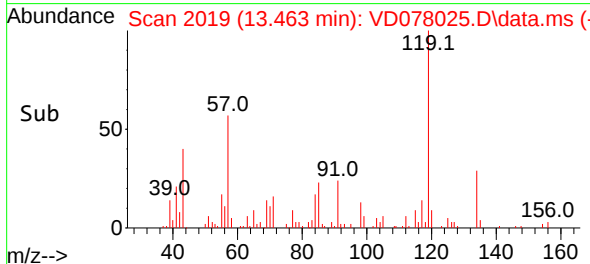
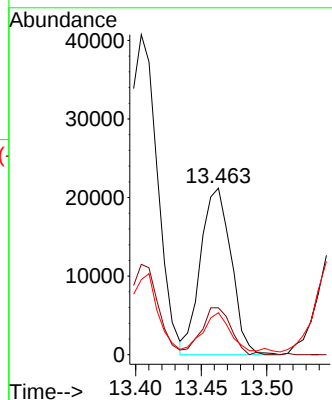
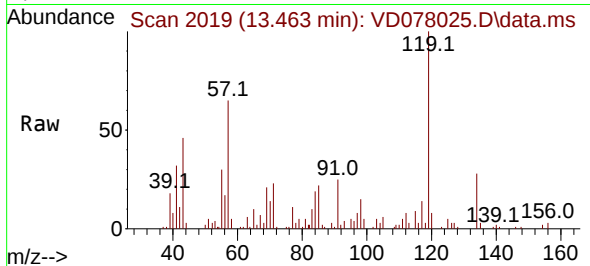




#86
p-Isopropyltoluene
Concen: 3.587 ug/l
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

Instrument :
MSVOA_D
ClientSampleId :
PL-01-122023

Tgt Ion:119 Resp: 34471
Ion Ratio Lower Upper
119 100
134 27.3 14.2 42.6
91 19.5 10.5 31.5



#89
n-Butylbenzene
Concen: 8.631 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.001 min
Lab File: VD078025.D
Acq: 21 Dec 2023 14:57

Tgt Ion: 91 Resp: 78036
Ion Ratio Lower Upper
91 100
92 62.2 26.5 79.5
134 0.0 13.8 41.3#

