

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102623\
 Data File : VD077431.D
 Acq On : 26 Oct 2023 17:08
 Operator : JC/SY
 Sample : 05038-01RE
 Misc : 5.10G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AUD-1059RE

Quant Time: Oct 27 07:48:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

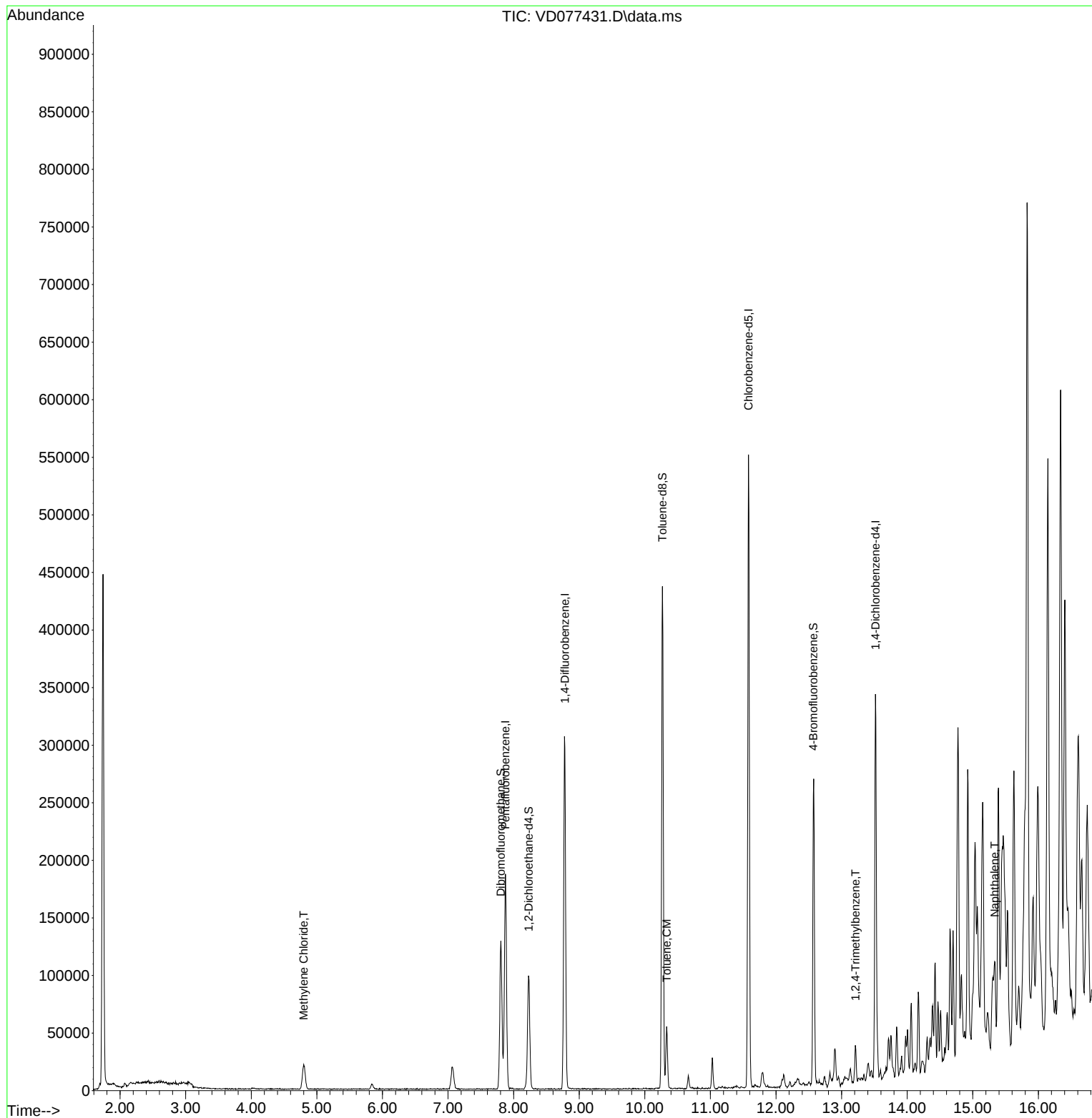
Internal Standards						
1) Pentafluorobenzene	7.875	168	150522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	295490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	337234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	95451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76397	56.840	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.680%
35) Dibromofluoromethane	7.805	113	93300	44.943	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.880%
50) Toluene-d8	10.269	98	327191	44.009	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.020%
62) 4-Bromofluorobenzene	12.569	95	85705	40.047	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.100%
Target Compounds						
20) Methylene Chloride	4.799	84	19088	6.555	ug/l	Qvalue 97
52) Toluene	10.334	92	23496	4.347	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	18032	3.438	ug/l	96
95) Naphthalene	15.334	128	32015	10.328	ug/l #	94

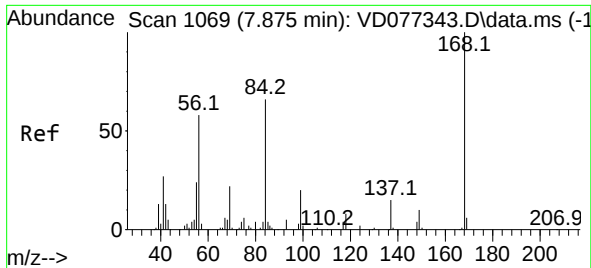
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102623\
Data File : VD077431.D
Acq On : 26 Oct 2023 17:08
Operator : JC/SY
Sample : 05038-01RE
Misc : 5.10G/5.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
AUD-1059RE

Quant Time: Oct 27 07:48:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration

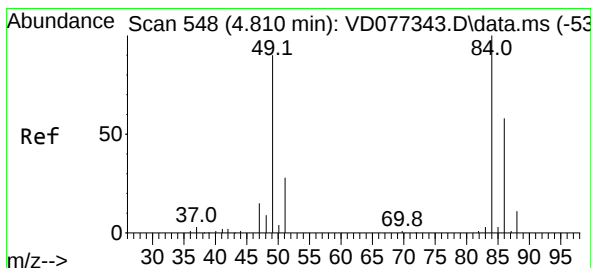
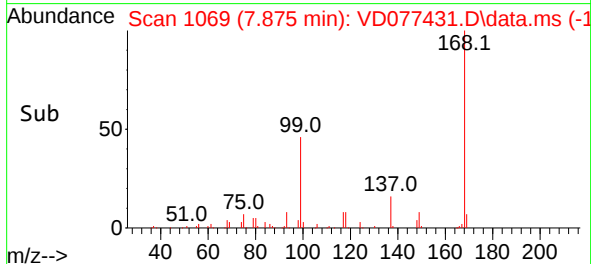
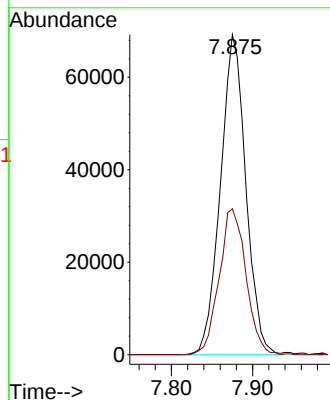
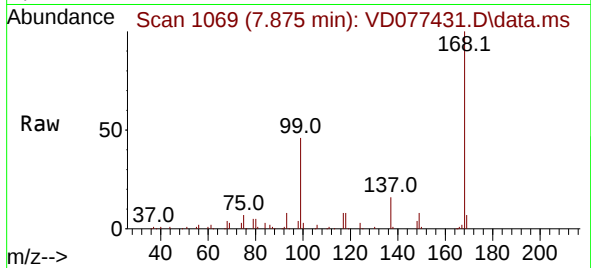




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077431.D
Acq: 26 Oct 2023 17:08

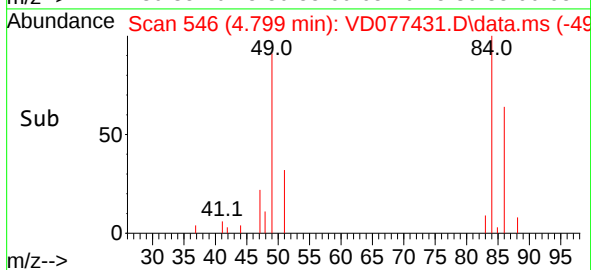
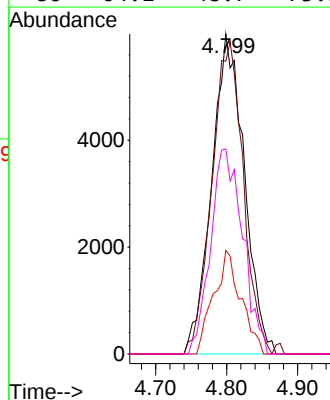
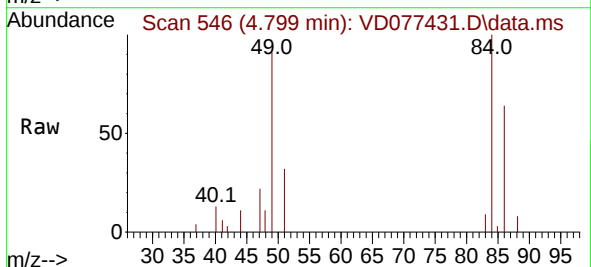
Instrument :
MSVOA_D
ClientSampleId :
AUD-1059RE

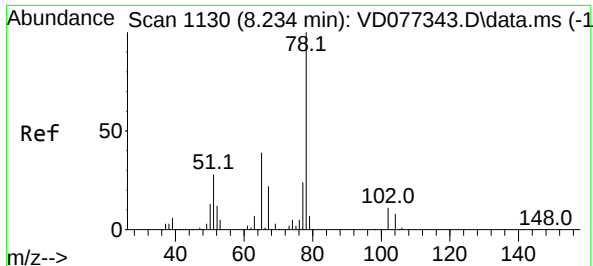
Tgt Ion:168 Resp: 150522
Ion Ratio Lower Upper
168 100
99 45.6 36.7 55.1



#20
Methylene Chloride
Concen: 6.555 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.011 min
Lab File: VD077431.D
Acq: 26 Oct 2023 17:08

Tgt Ion: 84 Resp: 19088
Ion Ratio Lower Upper
84 100
49 91.5 71.4 107.2
51 32.4 24.5 36.7
86 64.1 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 56.840 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077431.D

Acq: 26 Oct 2023 17:08

Instrument :

MSVOA_D

ClientSampleId :

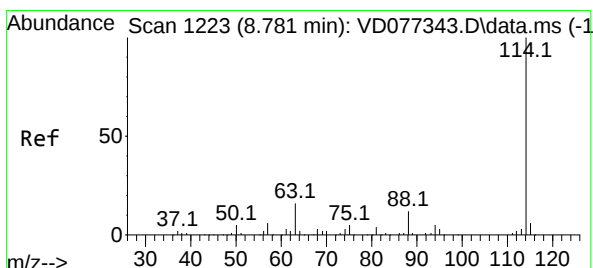
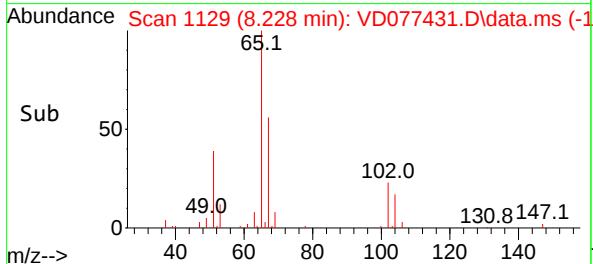
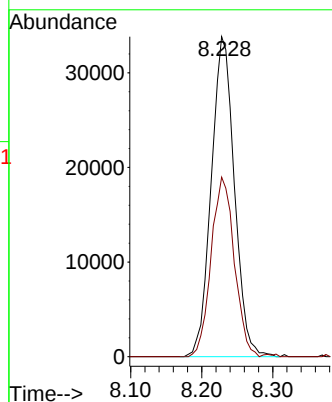
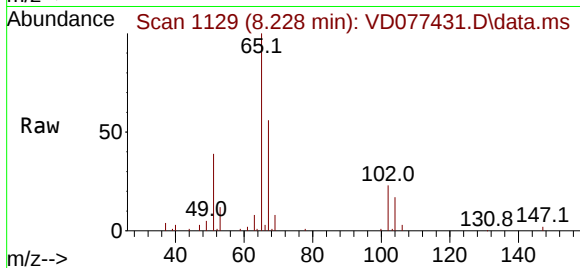
AUD-1059RE

Tgt Ion: 65 Resp: 76397

Ion Ratio Lower Upper

65 100

67 56.2 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: VD077431.D

Acq: 26 Oct 2023 17:08

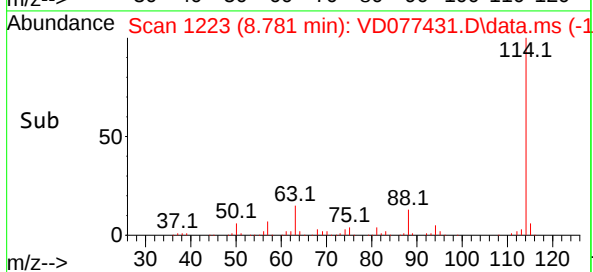
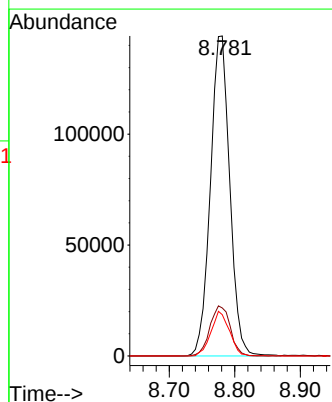
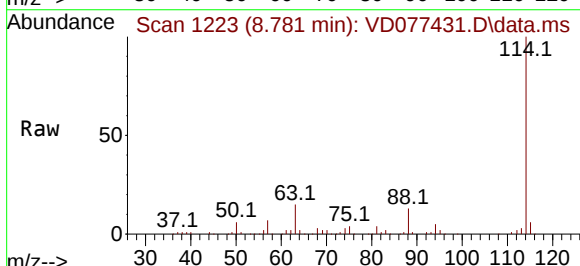
Tgt Ion: 114 Resp: 295490

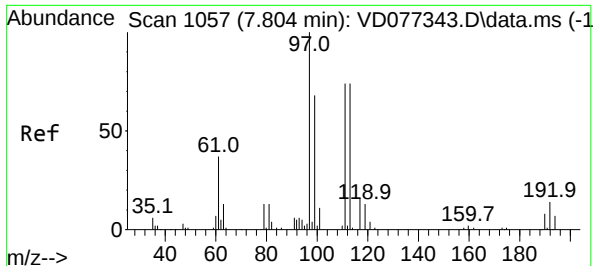
Ion Ratio Lower Upper

114 100

63 15.0 0.0 33.4

88 12.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 44.943 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077431.D

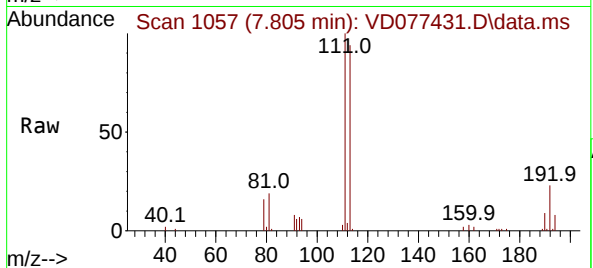
Acq: 26 Oct 2023 17:08

Instrument :

MSVOA_D

ClientSampleId :

AUD-1059RE



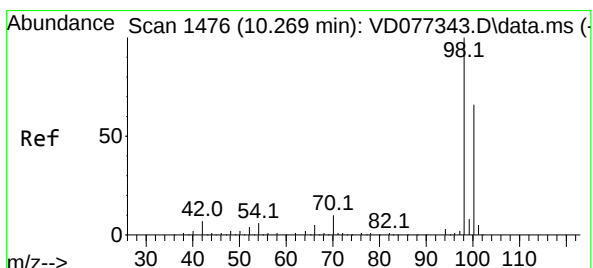
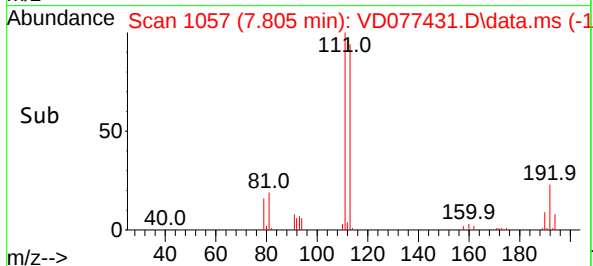
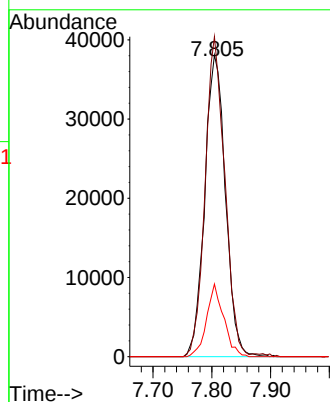
Tgt Ion:113 Resp: 93300

Ion Ratio Lower Upper

113 100

111 100.7 84.7 127.1

192 20.0 16.8 25.2



#50

Toluene-d8

Concen: 44.009 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077431.D

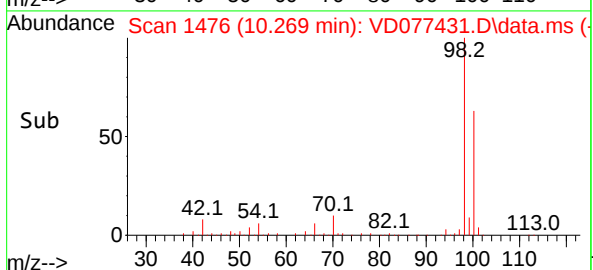
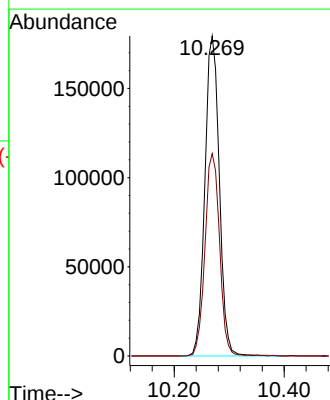
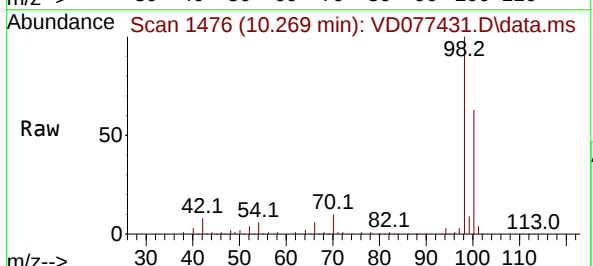
Acq: 26 Oct 2023 17:08

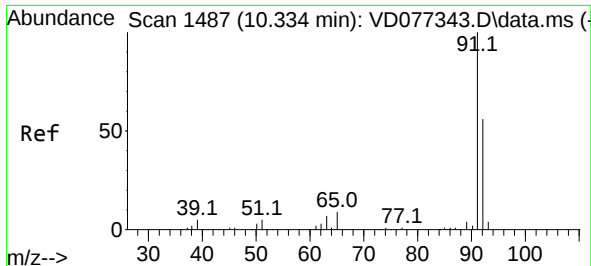
Tgt Ion: 98 Resp: 327191

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

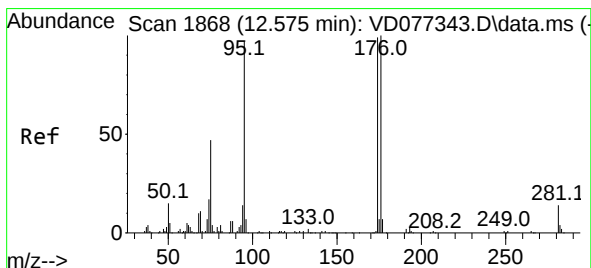
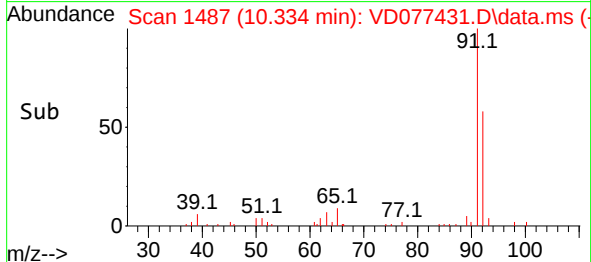
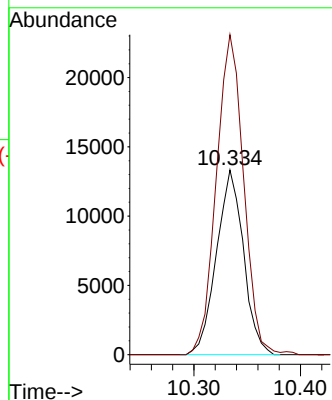
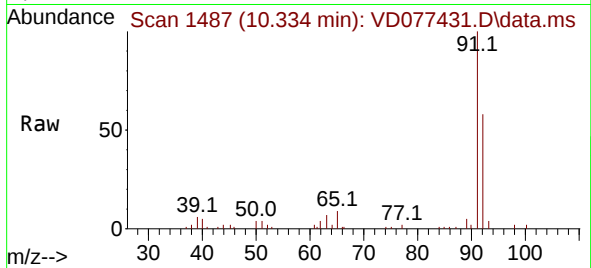




#52
Toluene
Concen: 4.347 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077431.D
Acq: 26 Oct 2023 17:08

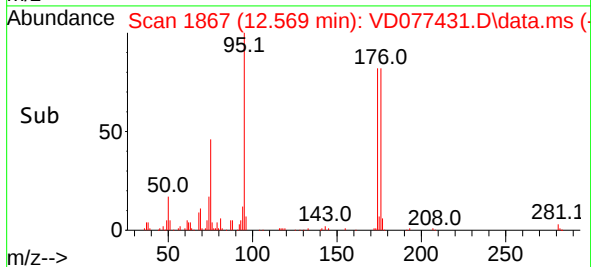
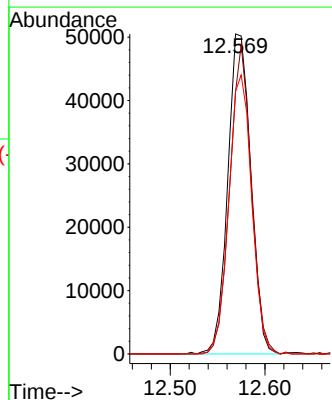
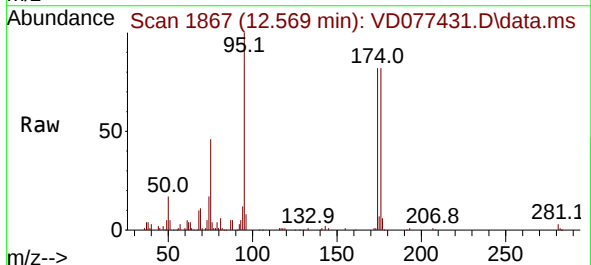
Instrument :
MSVOA_D
ClientSampleId :
AUD-1059RE

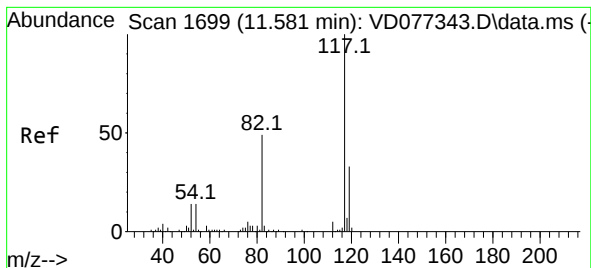
Tgt Ion: 92 Resp: 23496
Ion Ratio Lower Upper
92 100
91 175.1 143.0 214.4



#62
4-Bromofluorobenzene
Concen: 40.047 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077431.D
Acq: 26 Oct 2023 17:08

Tgt Ion: 95 Resp: 85705
Ion Ratio Lower Upper
95 100
174 90.8 0.0 201.8
176 86.8 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077431.D

Acq: 26 Oct 2023 17:08

Instrument :

MSVOA_D

ClientSampleId :

AUD-1059RE

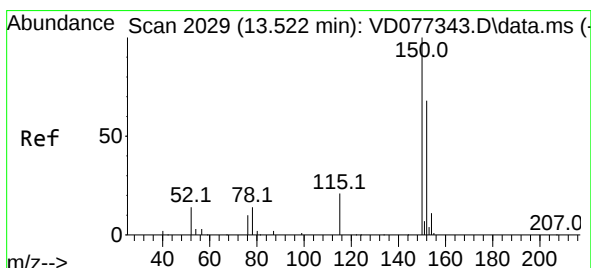
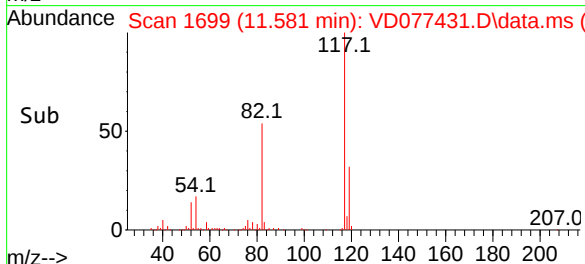
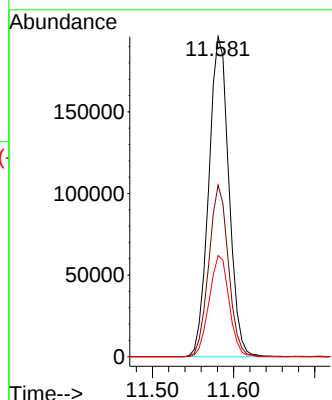
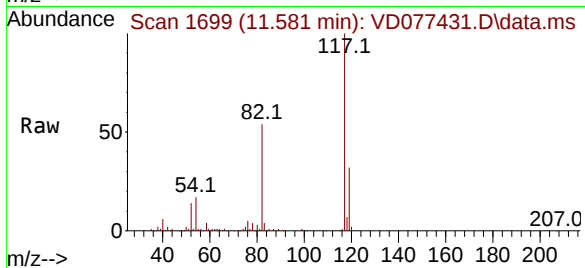
Tgt Ion:117 Resp: 337234

Ion Ratio Lower Upper

117 100

82 53.7 38.3 57.5

119 31.6 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD077431.D

Acq: 26 Oct 2023 17:08

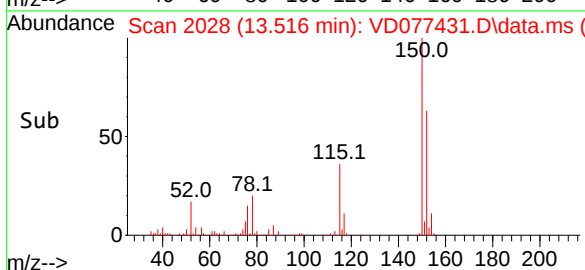
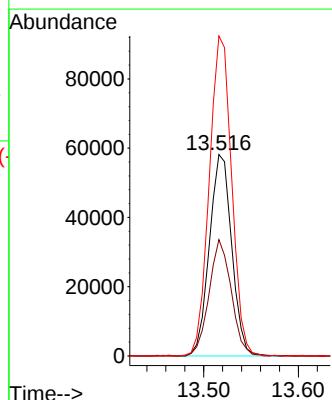
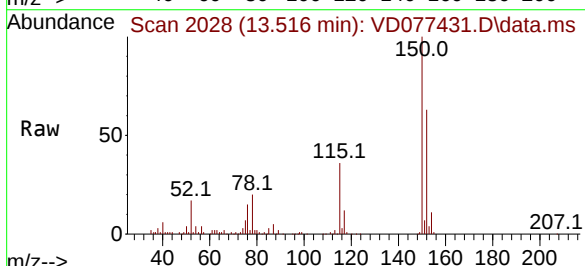
Tgt Ion:152 Resp: 95451

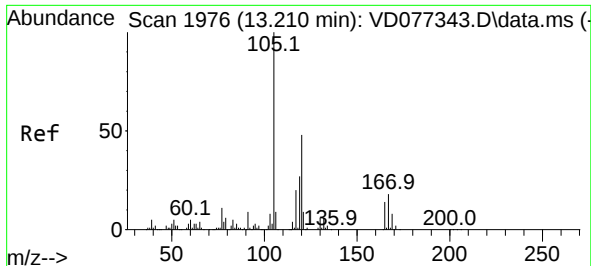
Ion Ratio Lower Upper

152 100

115 57.3 27.1 81.3

150 158.6 0.0 353.6

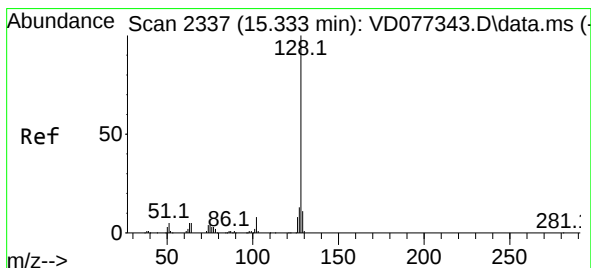
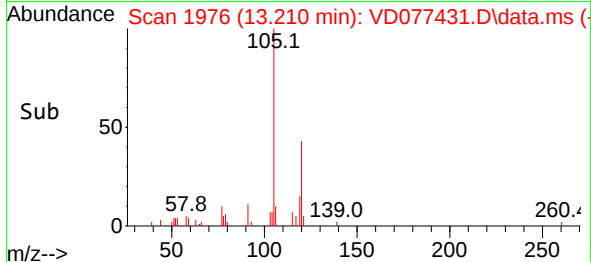
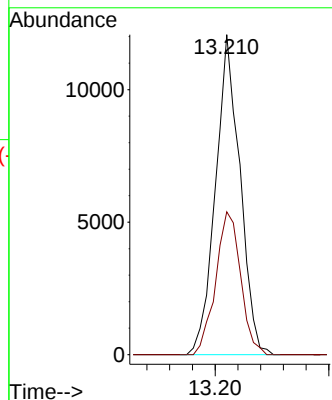
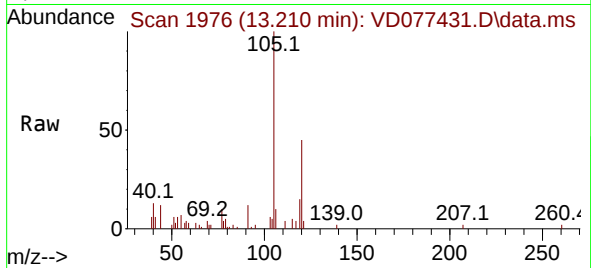




#84
1,2,4-Trimethylbenzene
Concen: 3.438 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD077431.D
Acq: 26 Oct 2023 17:08

Instrument :
MSVOA_D
ClientSampleId :
AUD-1059RE

Tgt Ion:105 Resp: 18032
Ion Ratio Lower Upper
105 100
120 45.6 24.3 72.9



#95
Naphthalene
Concen: 10.328 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD077431.D
Acq: 26 Oct 2023 17:08

Tgt Ion:128 Resp: 32015
Ion Ratio Lower Upper
128 100
127 15.3 10.5 15.7
129 13.1 8.7 13.1#

