

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080377.D
 Acq On : 16 May 2025 17:44
 Operator : RP/MD
 Sample : Q2014-03
 Misc : 3.65G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MOO-25-0145

Quant Time: May 17 01:22:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

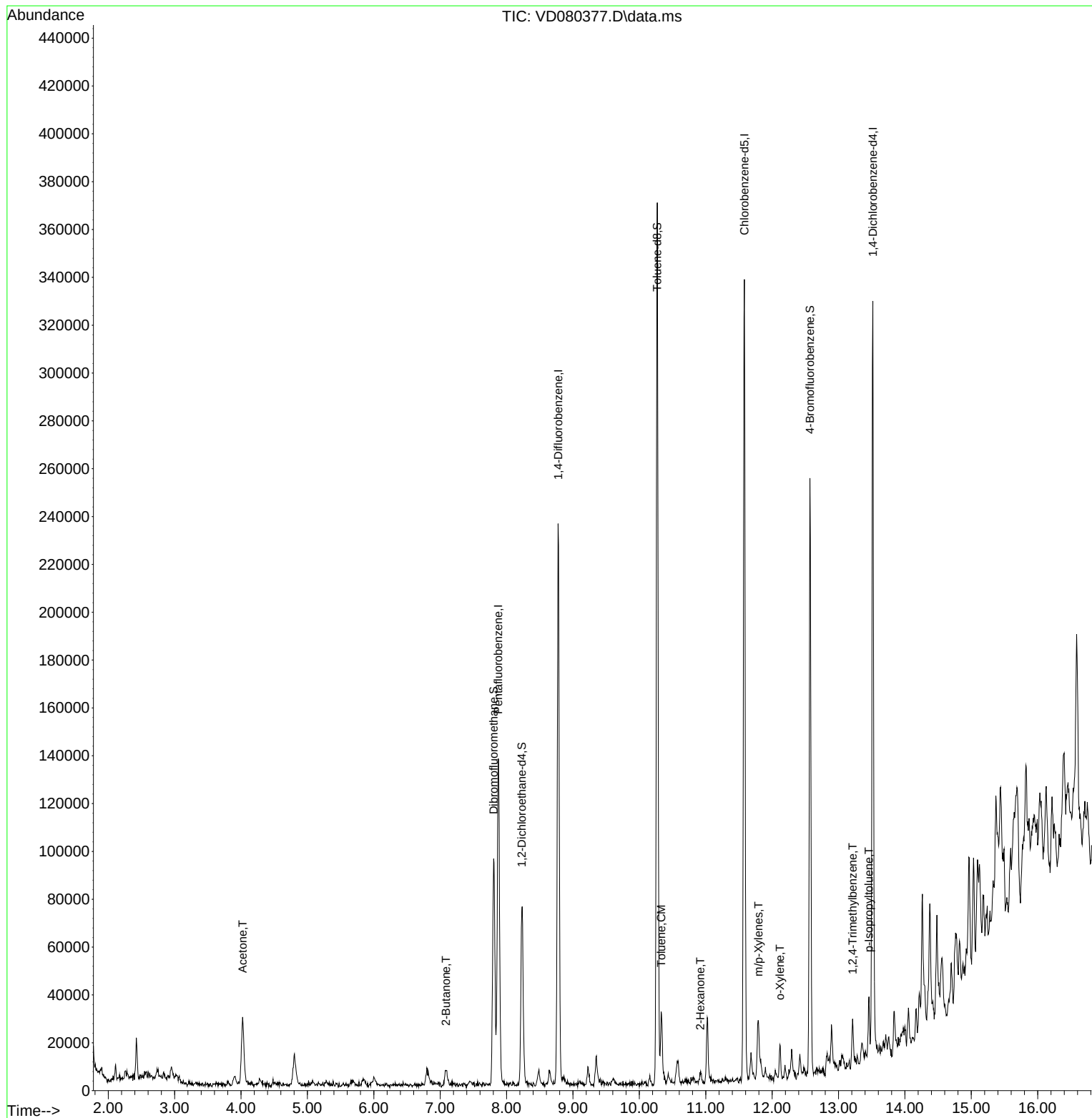
Internal Standards						
1) Pentafluorobenzene	7.876	168	102647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	195274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	187175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	83393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	58655	44.188	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.380%
35) Dibromofluoromethane	7.806	113	68016	51.968	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.940%
50) Toluene-d8	10.270	98	251940	48.856	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.720%
62) 4-Bromofluorobenzene	12.570	95	77081	46.570	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.140%
Target Compounds						
					Qvalue	
16) Acetone	4.023	43	48278	236.524	ug/l	97
25) 2-Butanone	7.088	43	10313	28.237	ug/l	90
52) Toluene	10.329	92	11976	3.243	ug/l	93
59) 2-Hexanone	10.917	43	3835	5.834	ug/l	91
68) m/p-Xylenes	11.794	106	7335	2.675	ug/l	94
69) o-Xylene	12.117	106	3119	1.245	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	9543	2.021	ug/l	92
86) p-Isopropyltoluene	13.458	119	13551	2.716	ug/l	99

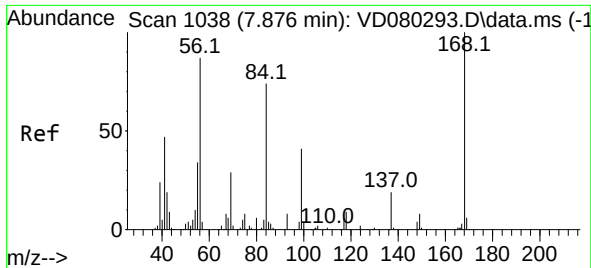
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
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Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

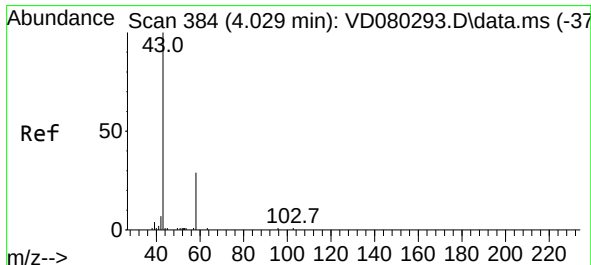
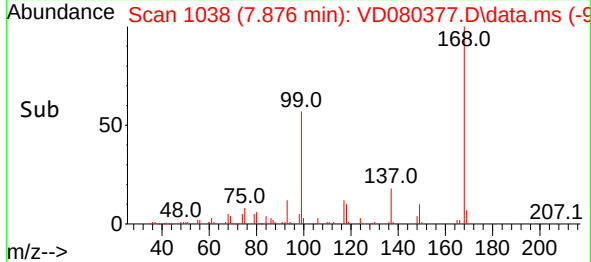
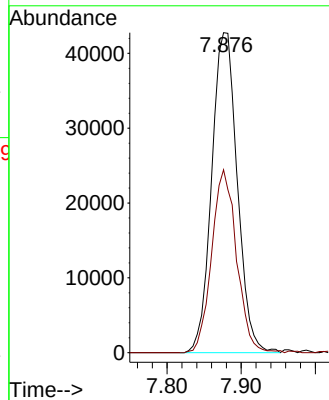
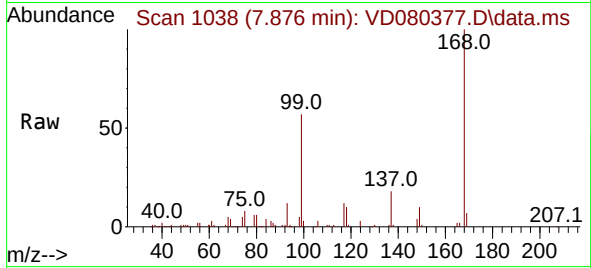




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

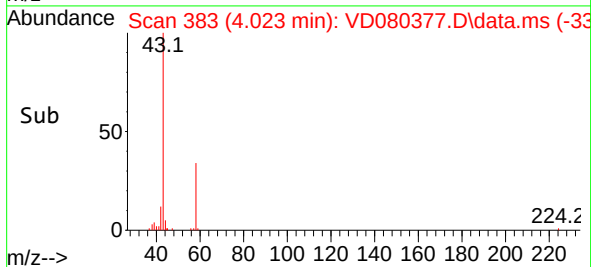
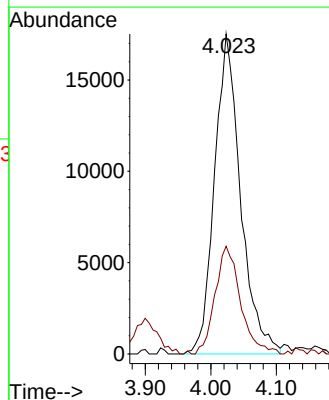
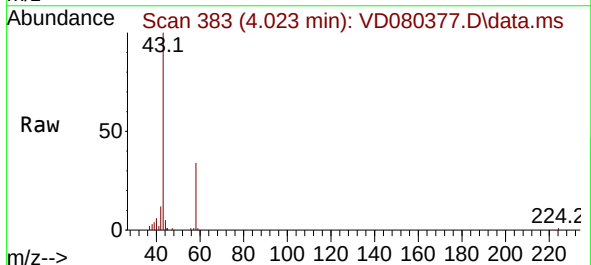
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

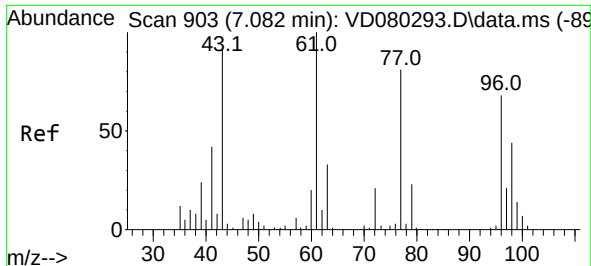
Tgt Ion:168 Resp: 102647
Ion Ratio Lower Upper
168 100
99 57.2 46.0 69.0



#16
Acetone
Concen: 236.524 ug/l
RT: 4.023 min Scan# 383
Delta R.T. 0.000 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

Tgt Ion: 43 Resp: 48278
Ion Ratio Lower Upper
43 100
58 33.6 25.4 38.2

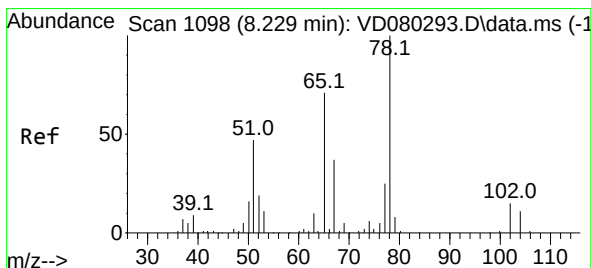
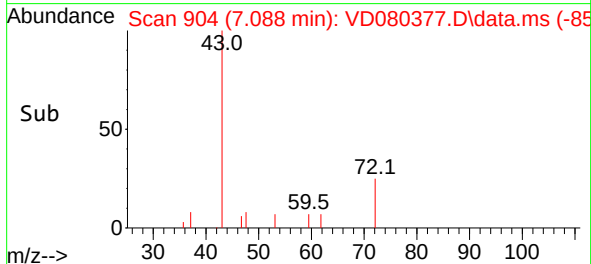
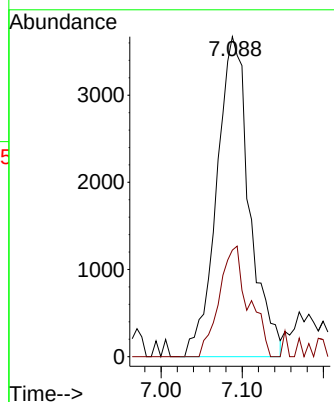
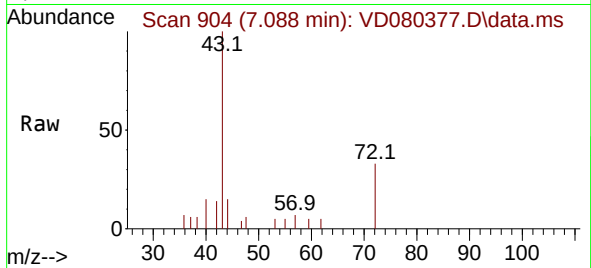




#25
2-Butanone
Concen: 28.237 ug/l
RT: 7.088 min Scan# 904
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

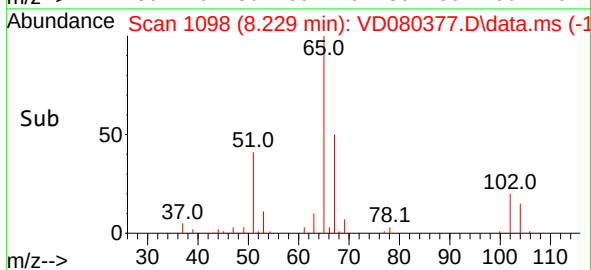
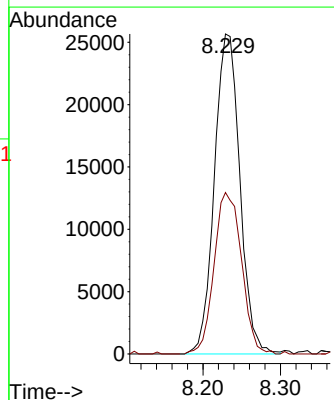
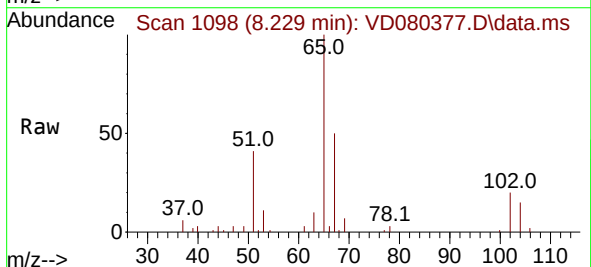
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

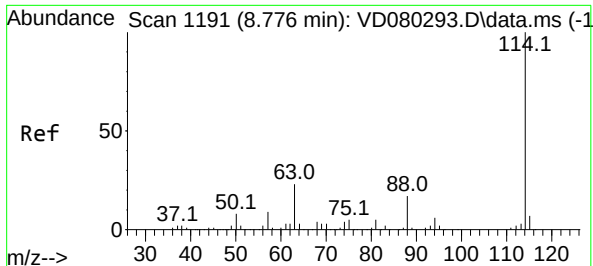
Tgt Ion: 43 Resp: 10313
Ion Ratio Lower Upper
43 100
72 33.3 22.3 33.5



#33
1,2-Dichloroethane-d4
Concen: 44.188 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

Tgt Ion: 65 Resp: 58655
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.001 min

Lab File: VD080377.D

Acq: 16 May 2025 17:44

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0145

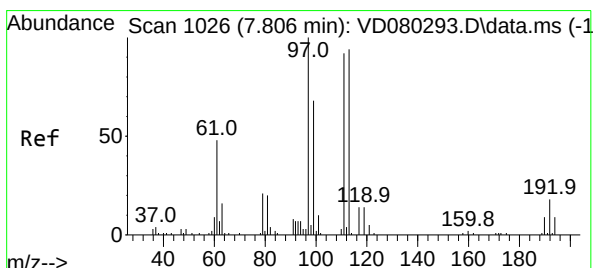
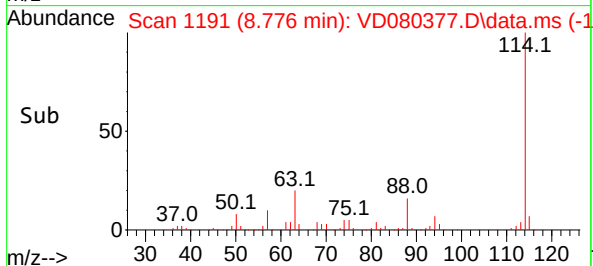
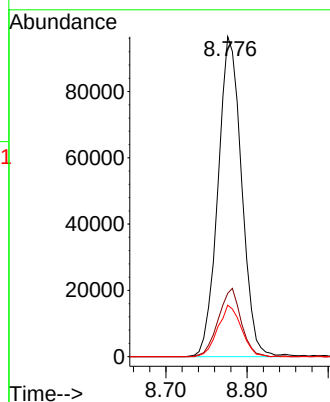
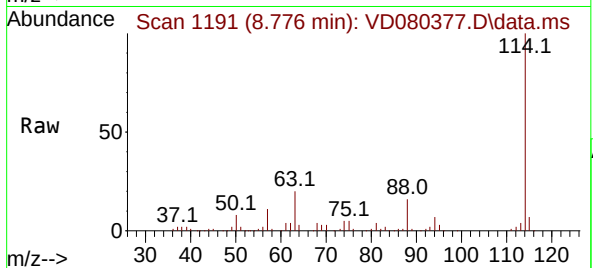
Tgt Ion:114 Resp: 195274

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

88 16.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.968 ug/l

RT: 7.806 min Scan# 1026

Delta R.T. 0.001 min

Lab File: VD080377.D

Acq: 16 May 2025 17:44

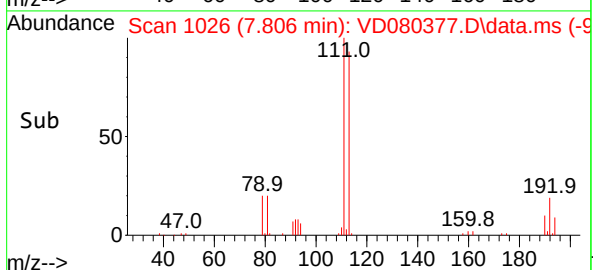
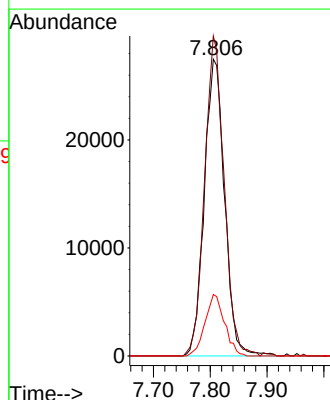
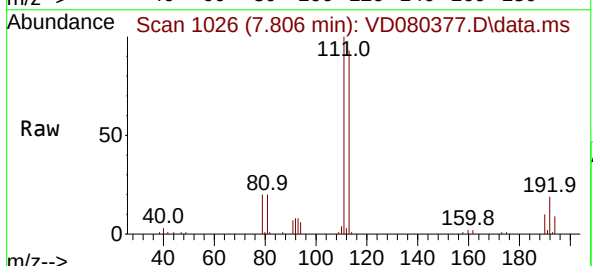
Tgt Ion:113 Resp: 68016

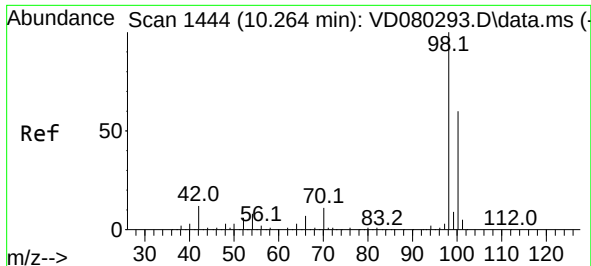
Ion Ratio Lower Upper

113 100

111 103.6 82.5 123.7

192 19.9 16.6 25.0

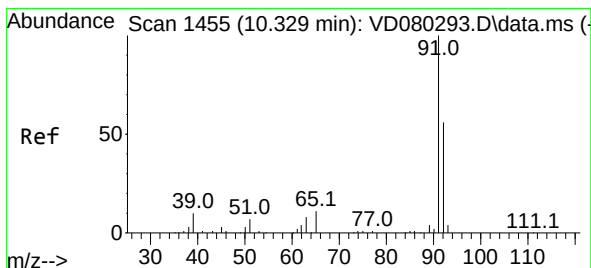
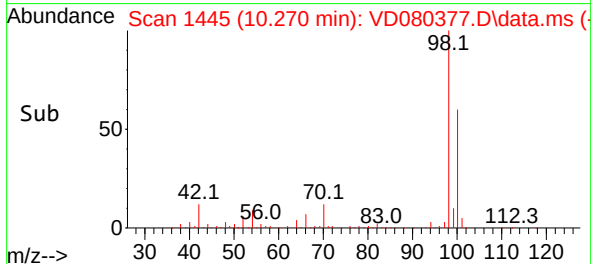
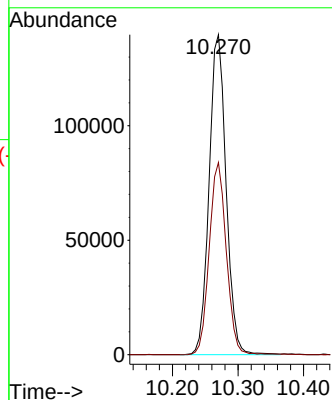
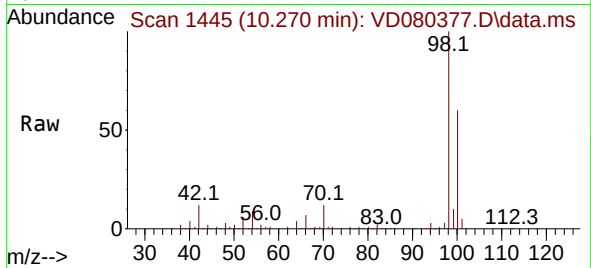




#50
Toluene-d8
Concen: 48.856 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

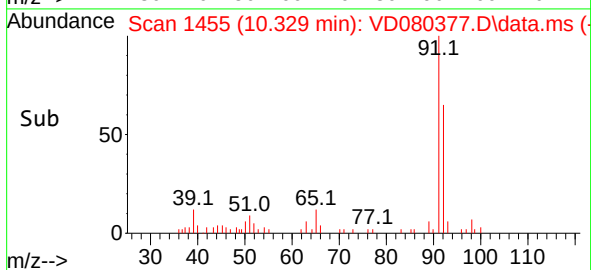
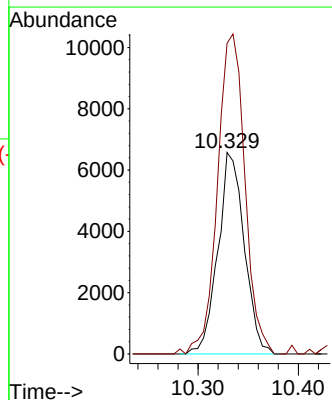
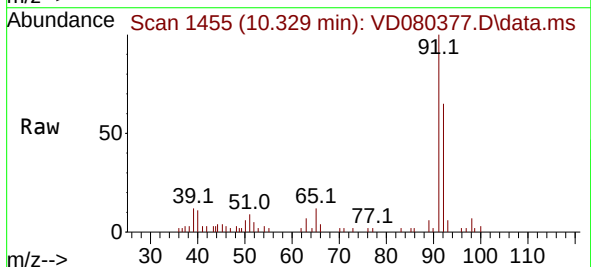
Instrument :
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MOO-25-0145

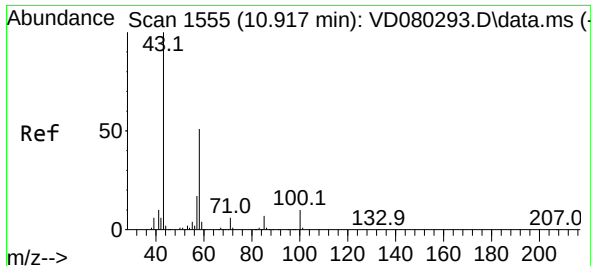
Tgt Ion: 98 Resp: 251940
Ion Ratio Lower Upper
98 100
100 60.4 50.2 75.4



#52
Toluene
Concen: 3.243 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. -0.005 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

Tgt Ion: 92 Resp: 11976
Ion Ratio Lower Upper
92 100
91 165.0 139.3 208.9

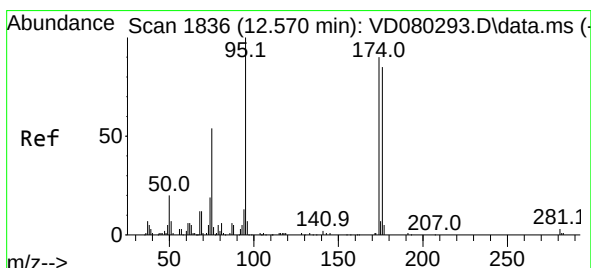
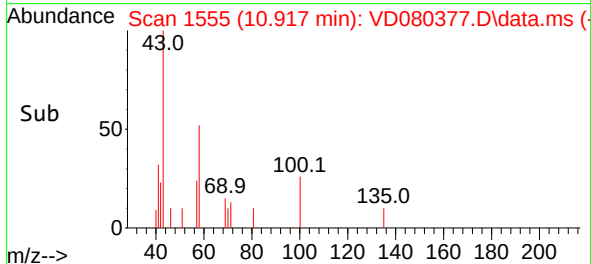
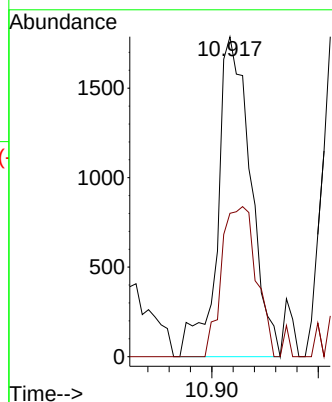
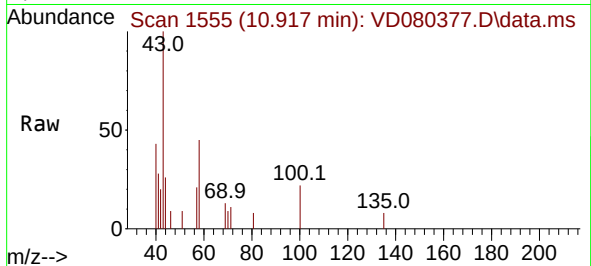




#59
2-Hexanone
Concen: 5.834 ug/l
RT: 10.917 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

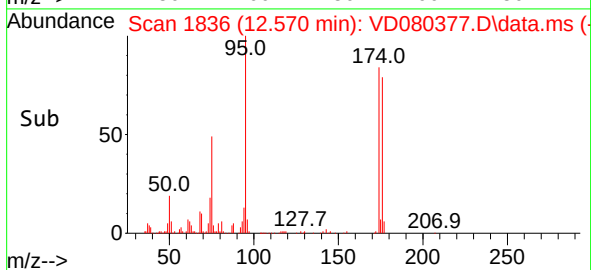
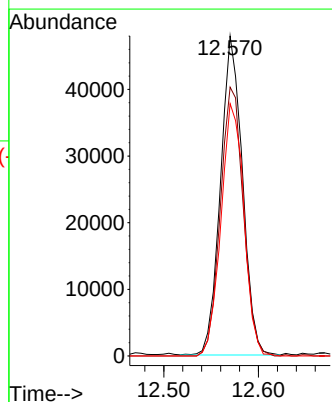
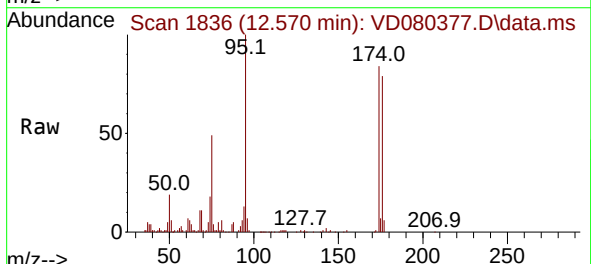
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MSVOA_D
ClientSampleId :
MOO-25-0145

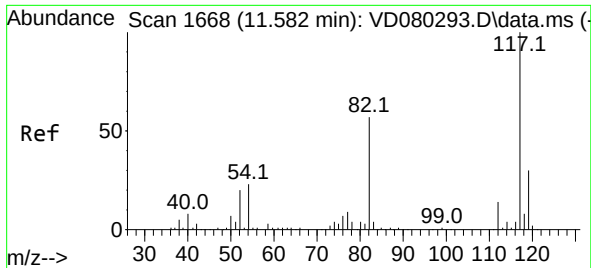
Tgt Ion: 43 Resp: 3835
Ion Ratio Lower Upper
43 100
58 49.3 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 46.570 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

Tgt Ion: 95 Resp: 77081
Ion Ratio Lower Upper
95 100
174 88.1 0.0 173.4
176 82.6 0.0 166.6

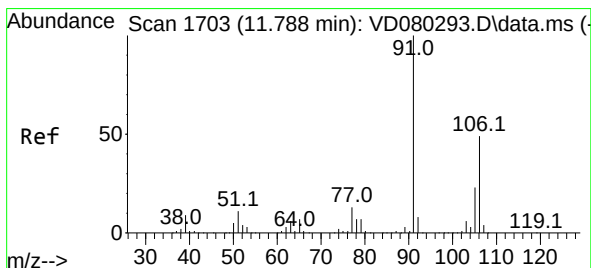
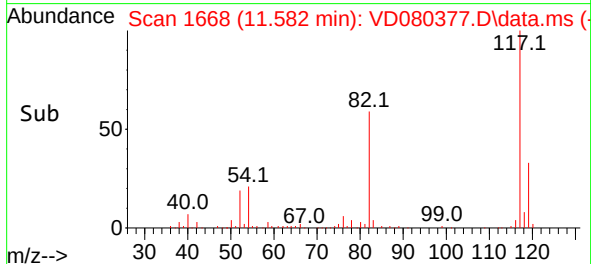
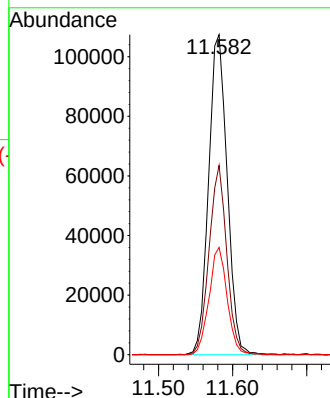
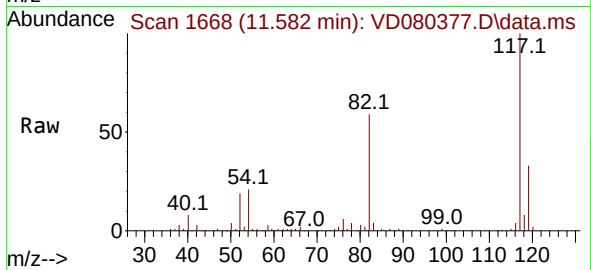




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

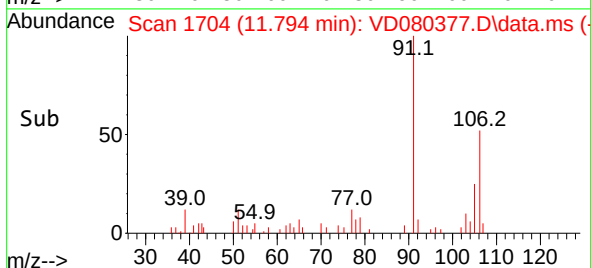
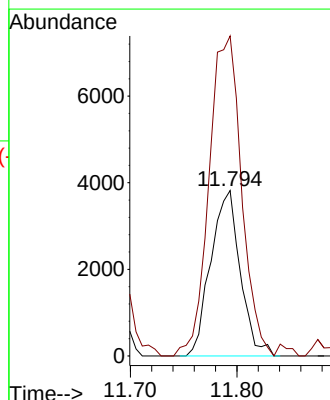
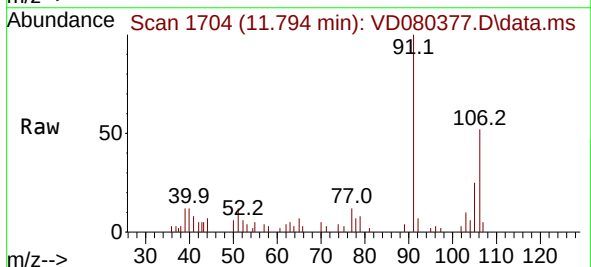
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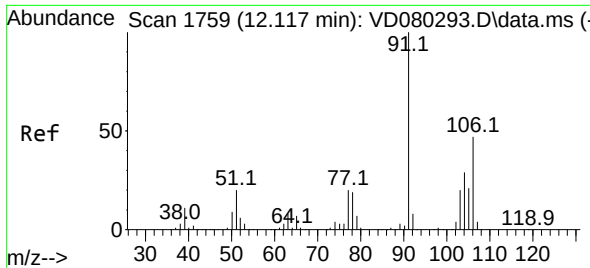
Tgt Ion:117 Resp: 187175
Ion Ratio Lower Upper
117 100
82 59.2 45.8 68.6
119 33.5 26.2 39.2



#68
m/p-Xylenes
Concen: 2.675 ug/l
RT: 11.794 min Scan# 1704
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

Tgt Ion:106 Resp: 7335
Ion Ratio Lower Upper
106 100
91 213.2 162.6 244.0

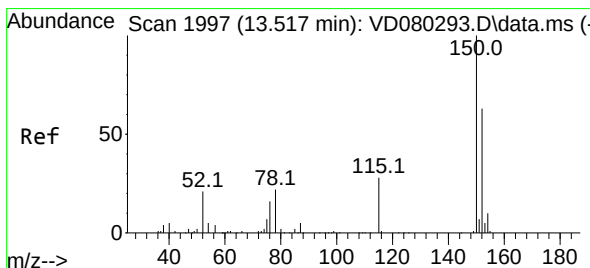
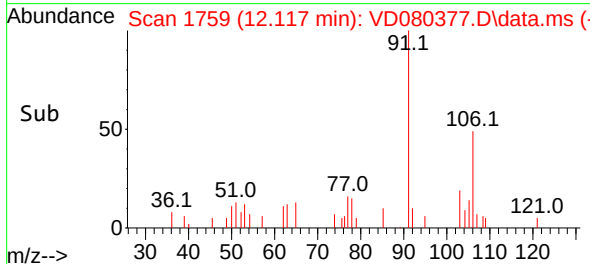
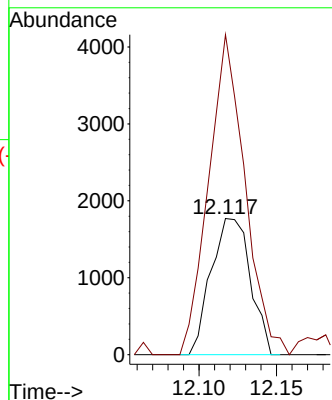
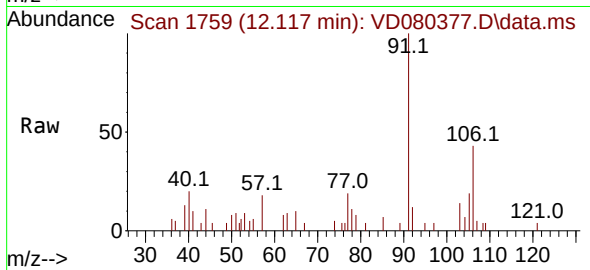




#69
o-Xylene
Concen: 1.245 ug/l
RT: 12.117 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

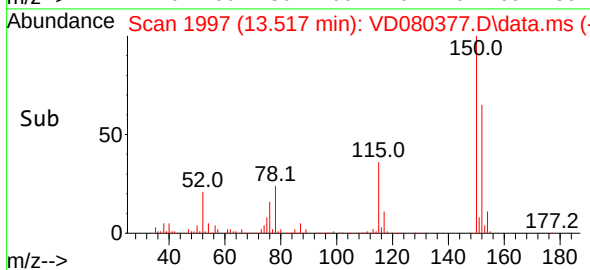
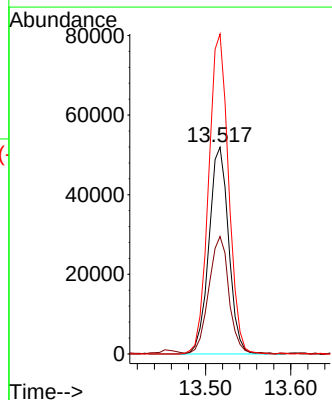
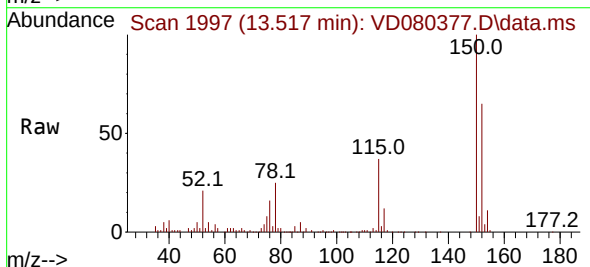
Instrument :
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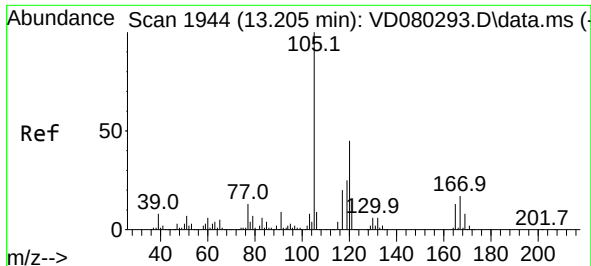
Tgt Ion:106 Resp: 3119
Ion Ratio Lower Upper
106 100
91 217.4 110.5 331.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

Tgt Ion:152 Resp: 83393
Ion Ratio Lower Upper
152 100
115 58.3 28.9 86.8
150 156.3 0.0 354.8

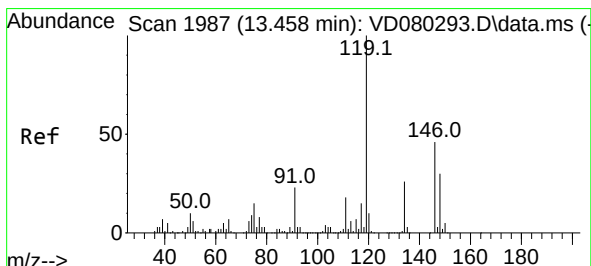
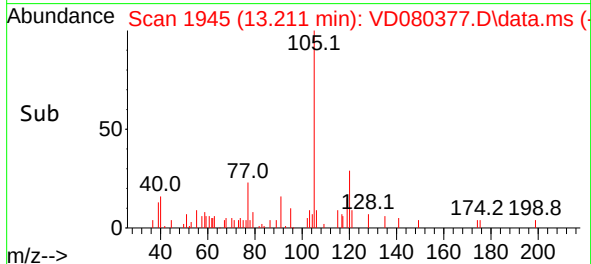
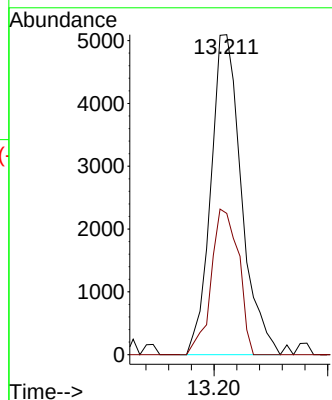
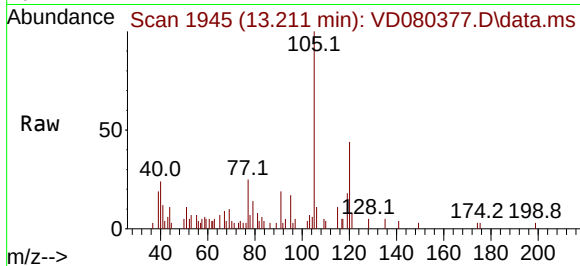




#84
1,2,4-Trimethylbenzene
Concen: 2.021 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0145

Tgt Ion:105 Resp: 9543
Ion Ratio Lower Upper
105 100
120 40.6 22.8 68.4



#86
p-Isopropyltoluene
Concen: 2.716 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. 0.001 min
Lab File: VD080377.D
Acq: 16 May 2025 17:44

Tgt Ion:119 Resp: 13551
Ion Ratio Lower Upper
119 100
134 24.9 13.1 39.1
91 24.3 12.2 36.4

