

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080376.D
 Acq On : 16 May 2025 17:18
 Operator : RP/MD
 Sample : Q2014-01
 Misc : 4.54G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MOO-25-0134

Quant Time: May 17 01:22:13 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)

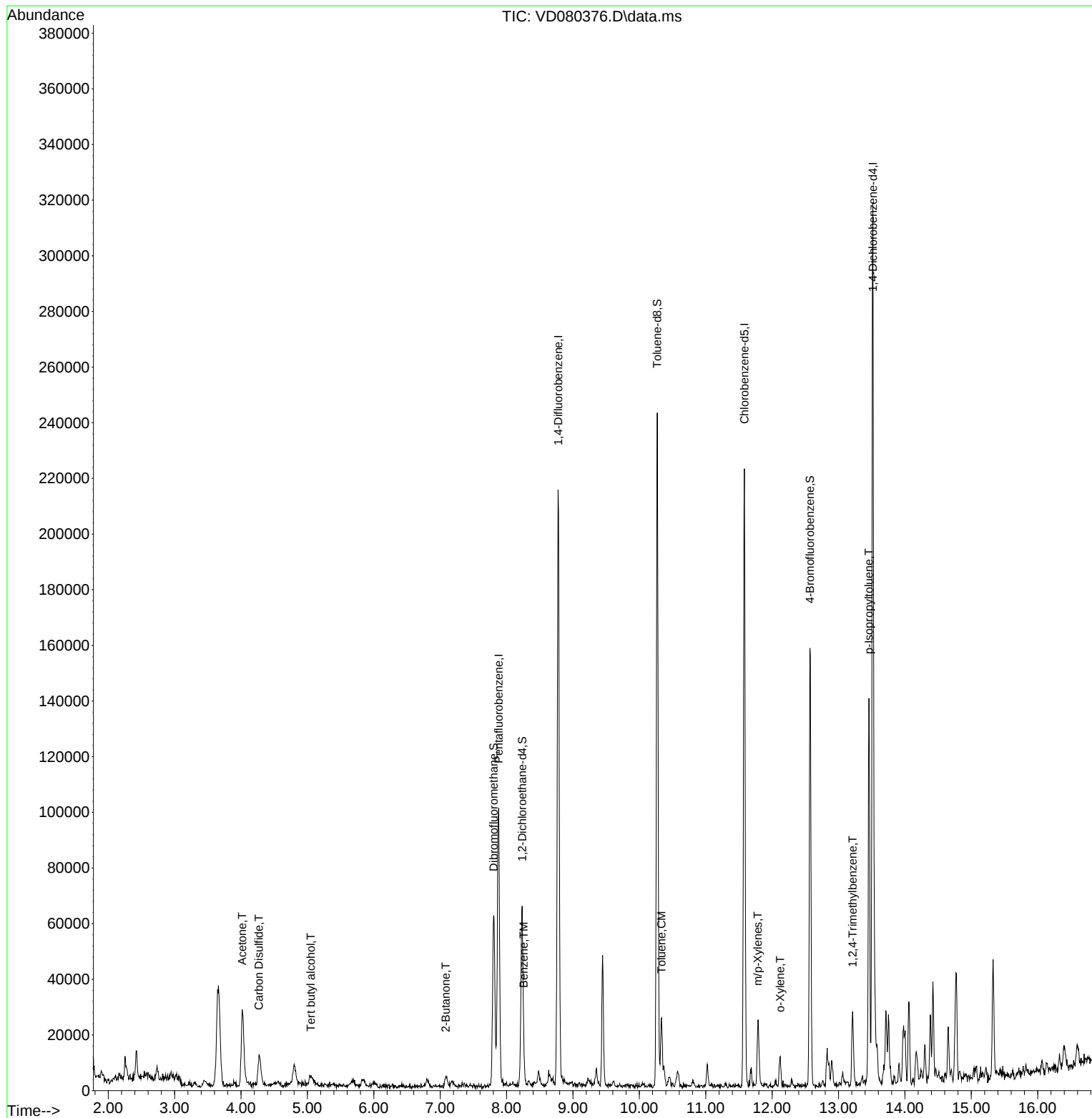
Internal Standards						
1) Pentafluorobenzene	7.882	168	74985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	183105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	121930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	83828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	49292	50.833	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.660%	
35) Dibromofluoromethane	7.805	113	44607	36.348	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 72.700%	
50) Toluene-d8	10.270	98	163592	33.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 67.660%	
62) 4-Bromofluorobenzene	12.570	95	49046	31.601	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 63.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.053	59	5313	90.294	ug/l #	82
16) Acetone	4.017	43	48760	330.057	ug/l	97
17) Carbon Disulfide	4.270	76	18565	5.888	ug/l	95
25) 2-Butanone	7.082	43	6031	22.605	ug/l #	81
40) Benzene	8.258	78	6269	1.091	ug/l	98
52) Toluene	10.335	92	8890	2.568	ug/l	85
68) m/p-Xylenes	11.782	106	7113	3.982	ug/l	89
69) o-Xylene	12.123	106	2850	1.746	ug/l	96
84) 1,2,4-Trimethylbenzene	13.211	105	13817	2.912	ug/l	95
86) p-Isopropyltoluene	13.458	119	71185	14.191	ug/l	99

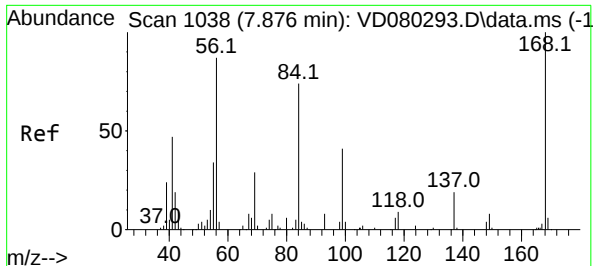
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

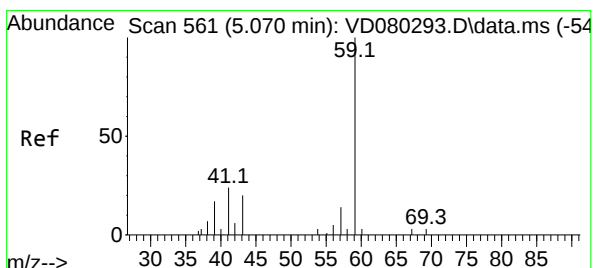
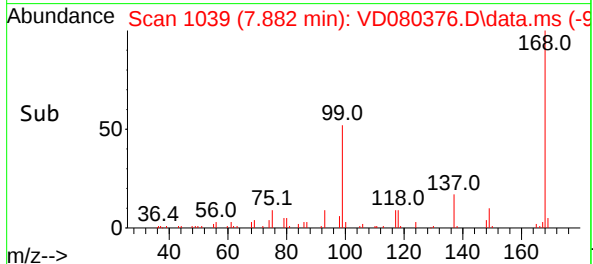
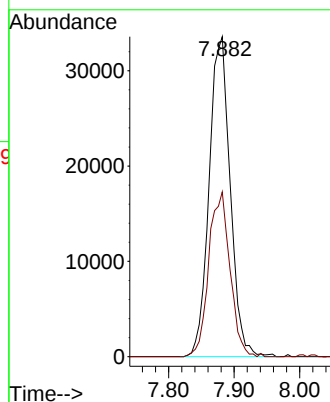
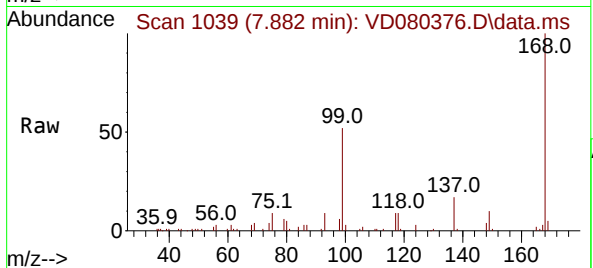




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.882 min Scan# 1039
Delta R.T. 0.007 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

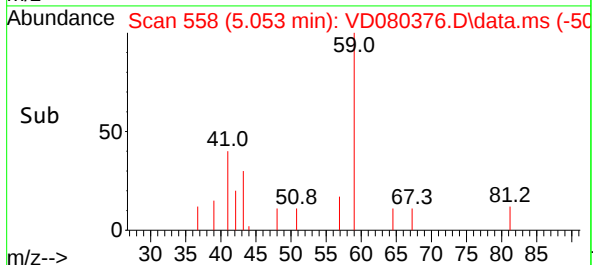
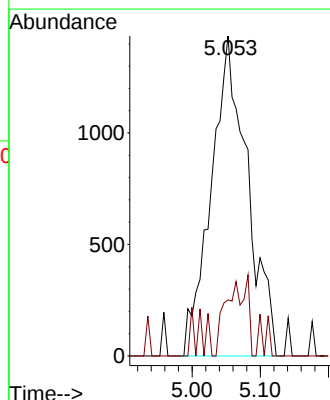
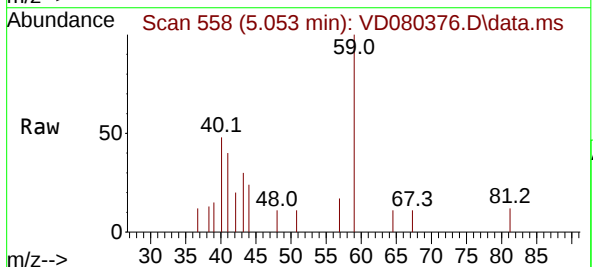
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0134

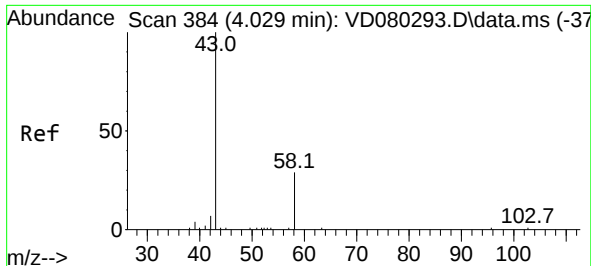
Tgt Ion:168 Resp: 74985
Ion Ratio Lower Upper
168 100
99 51.5 46.0 69.0



#11
Tert butyl alcohol
Concen: 90.294 ug/l
RT: 5.053 min Scan# 558
Delta R.T. -0.005 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

Tgt Ion: 59 Resp: 5313
Ion Ratio Lower Upper
59 100
57 0.0 4.8 7.2#

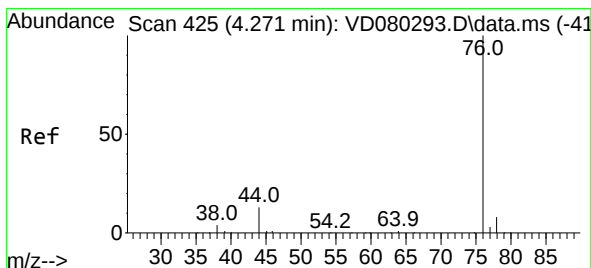
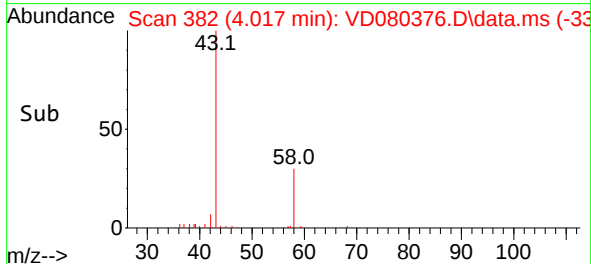
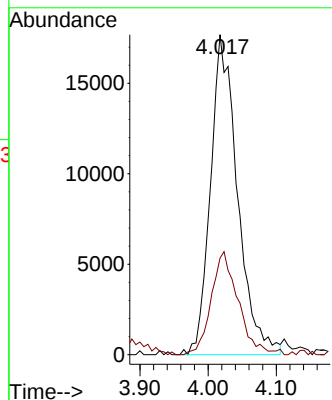
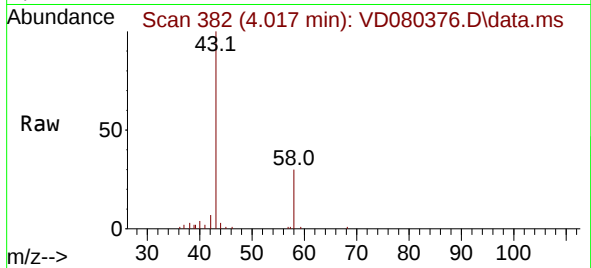




#16
Acetone
Concen: 330.057 ug/l
RT: 4.017 min Scan# 382
Delta R.T. -0.006 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

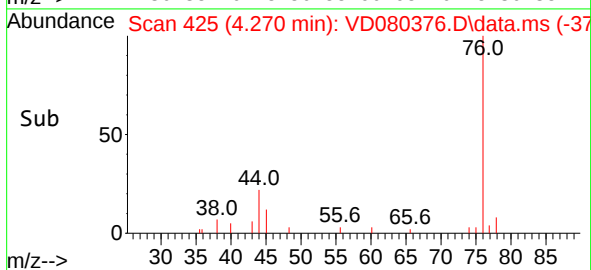
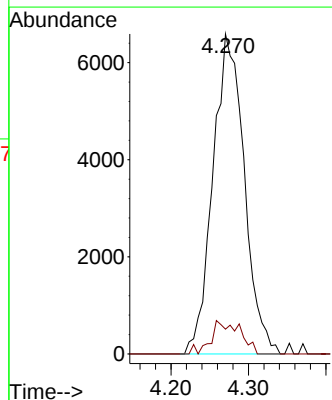
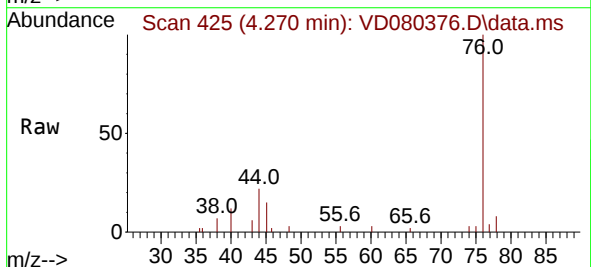
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0134

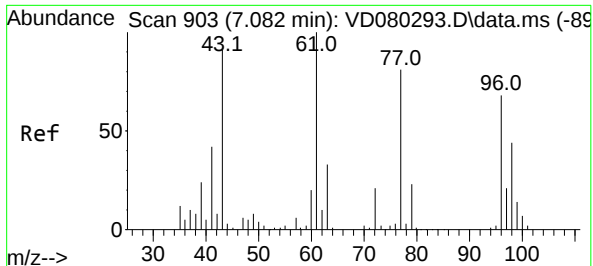
Tgt Ion: 43 Resp: 48760
Ion Ratio Lower Upper
43 100
58 30.2 25.4 38.2



#17
Carbon Disulfide
Concen: 5.888 ug/l
RT: 4.270 min Scan# 425
Delta R.T. 0.000 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

Tgt Ion: 76 Resp: 18565
Ion Ratio Lower Upper
76 100
78 7.7 7.5 11.3

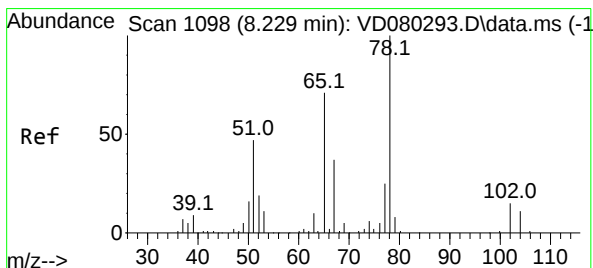
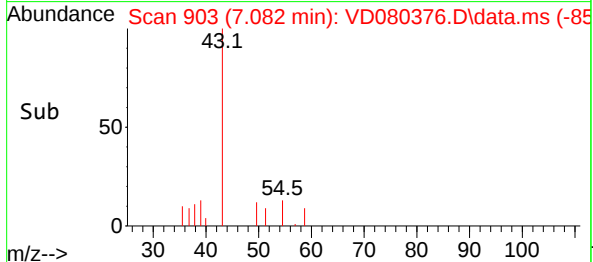
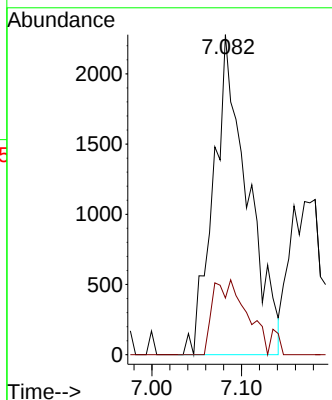
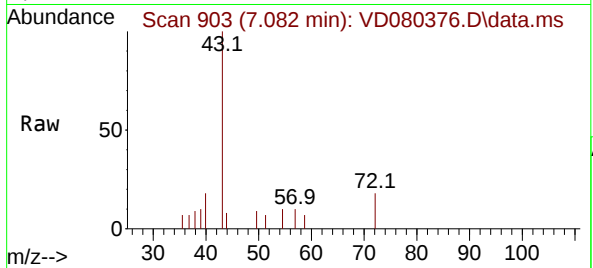




#25
2-Butanone
Concen: 22.605 ug/l
RT: 7.082 min Scan# 903
Delta R.T. -0.005 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

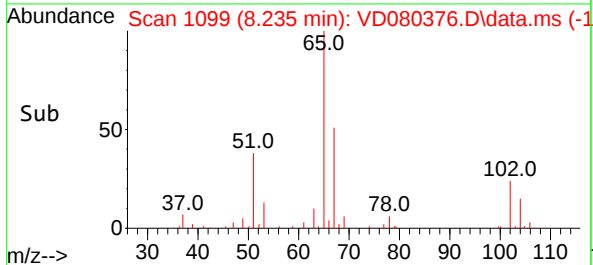
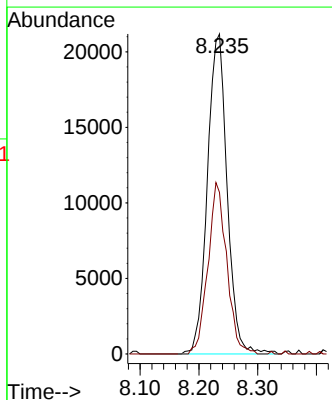
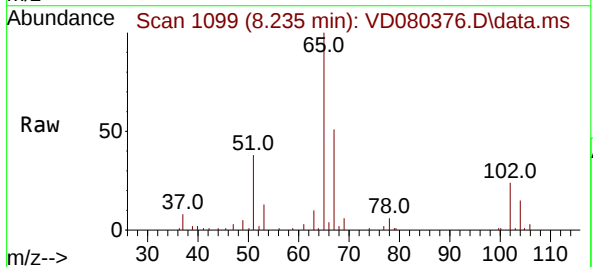
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0134

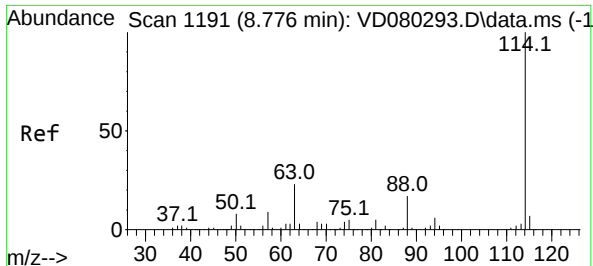
Tgt Ion: 43 Resp: 6031
Ion Ratio Lower Upper
43 100
72 17.7 22.3 33.5#



#33
1,2-Dichloroethane-d4
Concen: 50.833 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

Tgt Ion: 65 Resp: 49292
Ion Ratio Lower Upper
65 100
67 51.1 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: VD080376.D

Acq: 16 May 2025 17:18

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0134

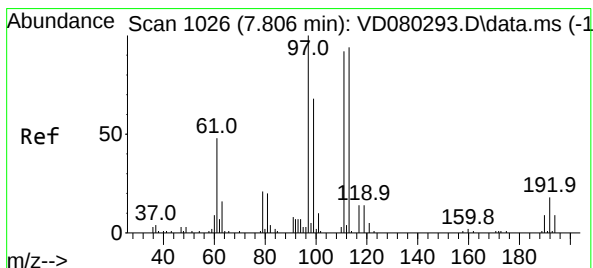
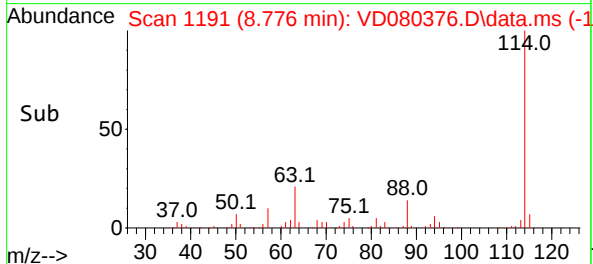
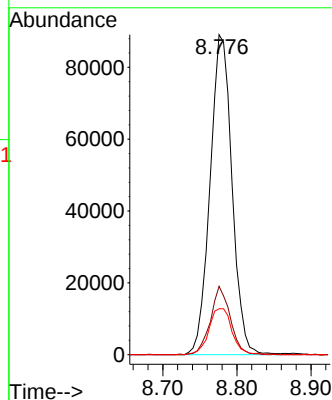
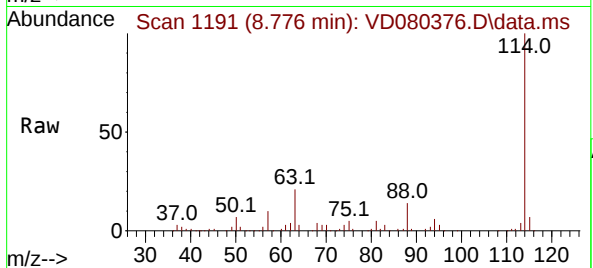
Tgt Ion:114 Resp: 183105

Ion Ratio Lower Upper

114 100

63 21.4 0.0 38.8

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 36.348 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080376.D

Acq: 16 May 2025 17:18

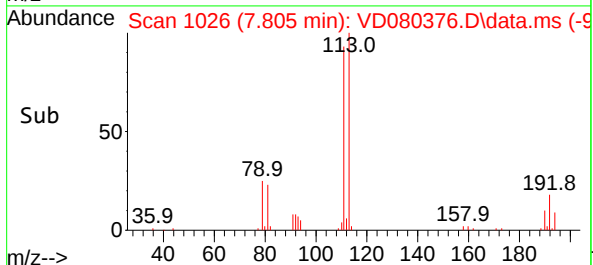
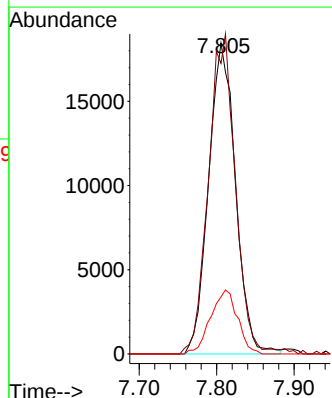
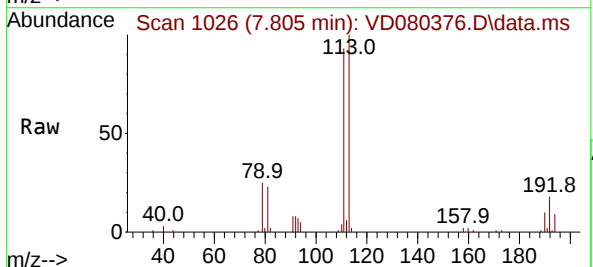
Tgt Ion:113 Resp: 44607

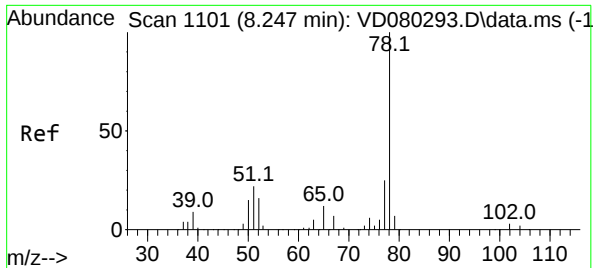
Ion Ratio Lower Upper

113 100

111 101.8 82.5 123.7

192 20.6 16.6 25.0

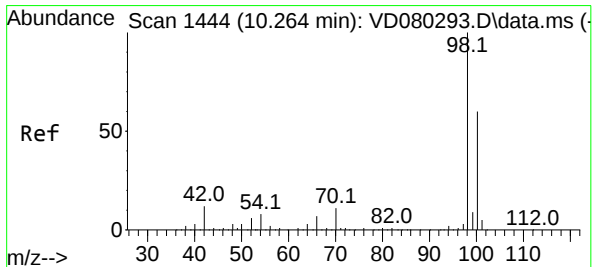
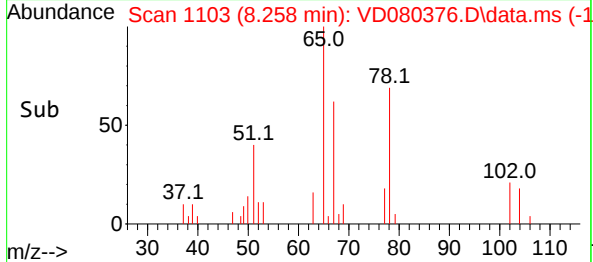
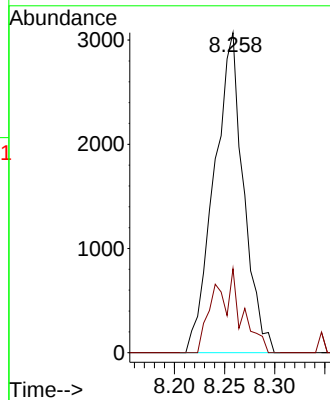
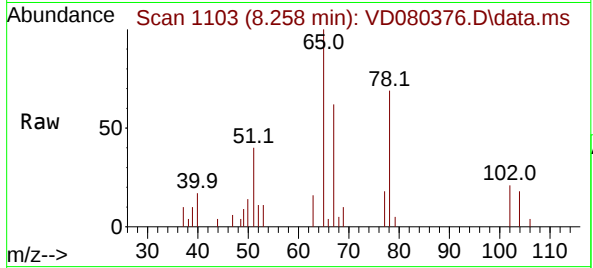




#40
Benzene
Concen: 1.091 ug/l
RT: 8.258 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

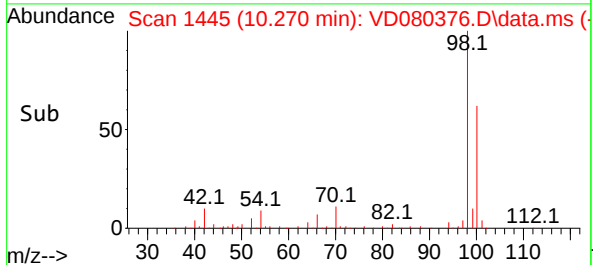
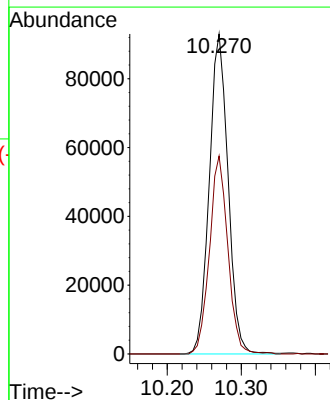
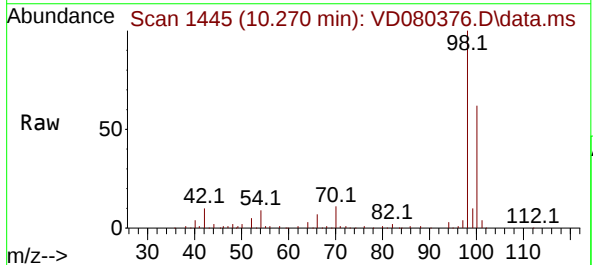
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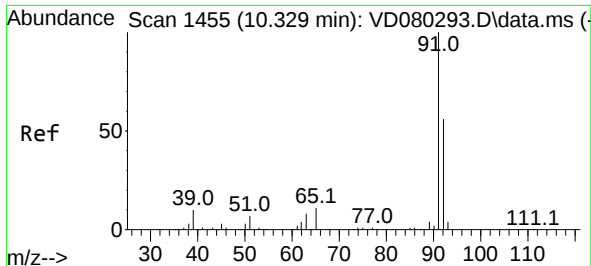
Tgt Ion: 78 Resp: 6269
Ion Ratio Lower Upper
78 100
77 26.3 20.2 30.4



#50
Toluene-d8
Concen: 33.832 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

Tgt Ion: 98 Resp: 163592
Ion Ratio Lower Upper
98 100
100 60.5 50.2 75.4

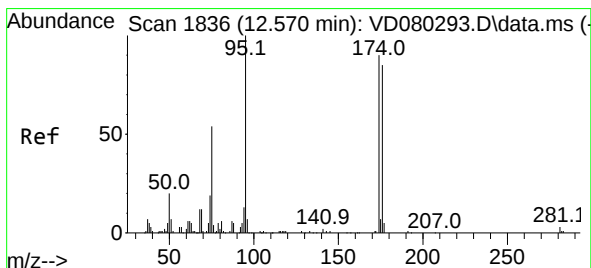
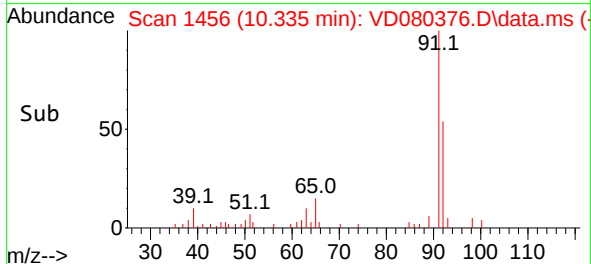
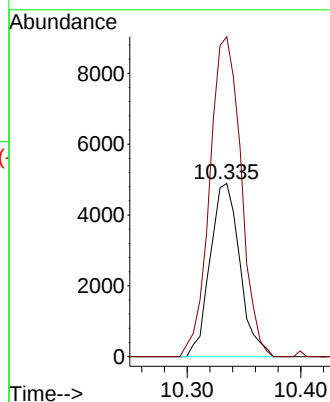
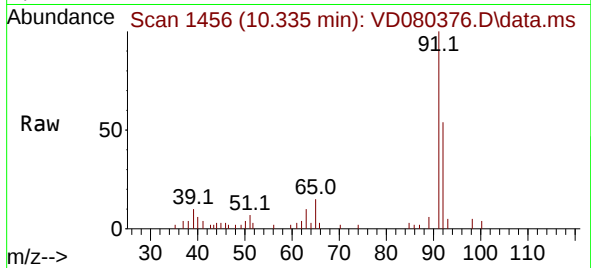




#52
Toluene
Concen: 2.568 ug/l
RT: 10.335 min Scan# 1455
Delta R.T. 0.001 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

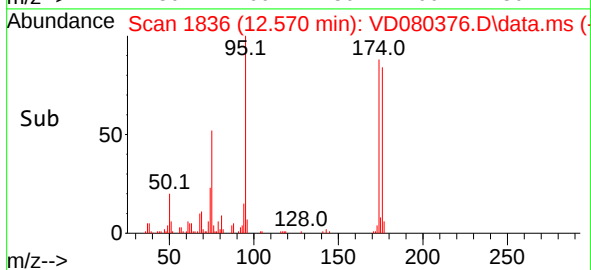
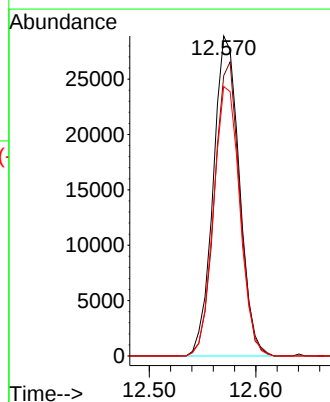
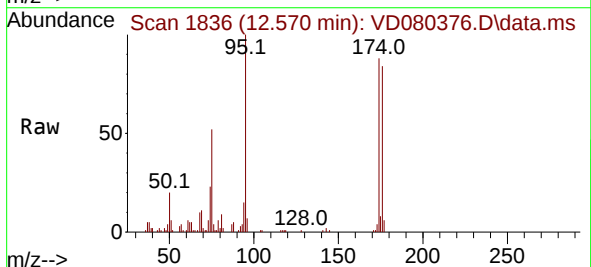
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0134

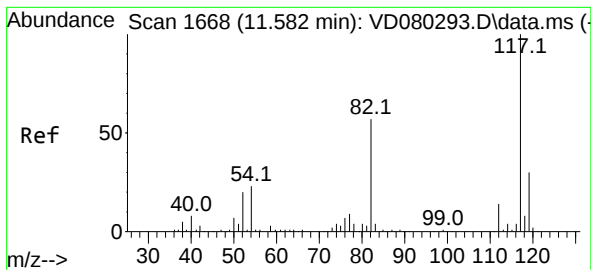
Tgt Ion: 92 Resp: 8890
Ion Ratio Lower Upper
92 100
91 194.7 139.3 208.9



#62
4-Bromofluorobenzene
Concen: 31.601 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

Tgt Ion: 95 Resp: 49046
Ion Ratio Lower Upper
95 100
174 89.1 0.0 173.4
176 84.9 0.0 166.6

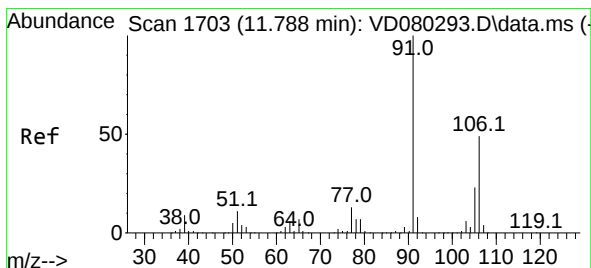
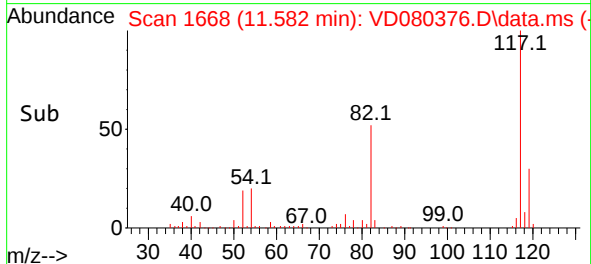
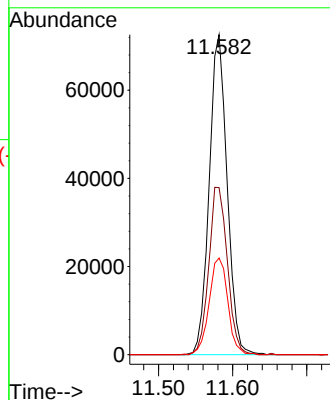
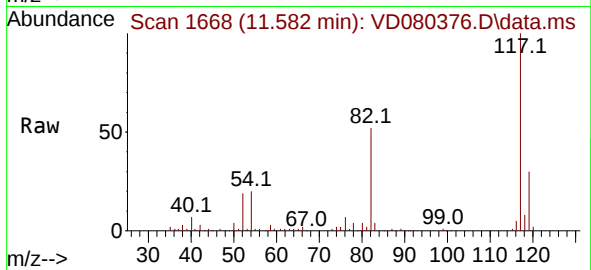




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

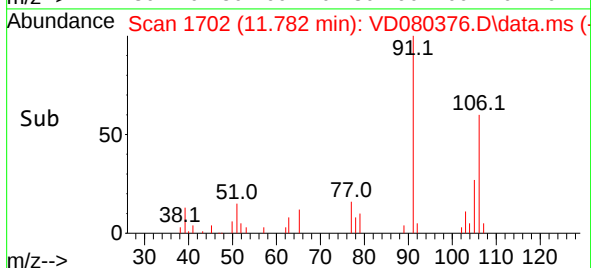
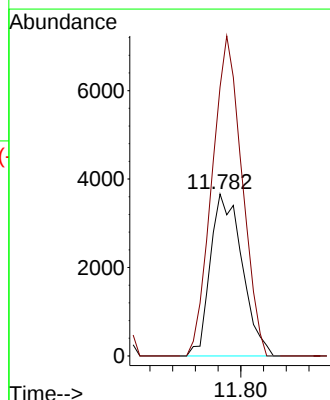
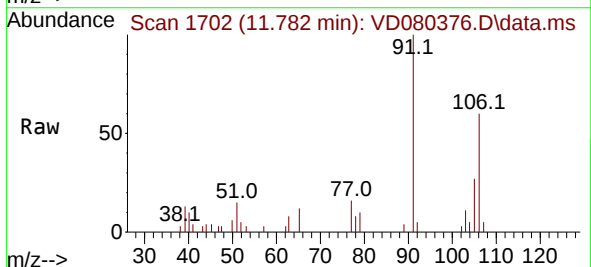
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0134

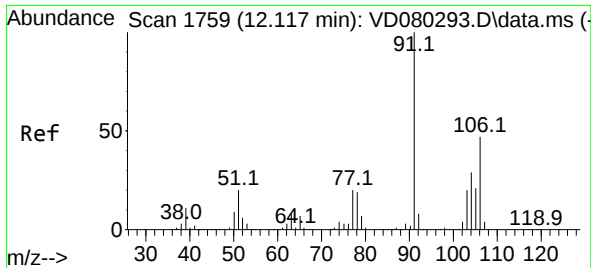
Tgt Ion:117 Resp: 121930
Ion Ratio Lower Upper
117 100
82 52.2 45.8 68.6
119 30.2 26.2 39.2



#68
m/p-Xylenes
Concen: 3.982 ug/l
RT: 11.782 min Scan# 1702
Delta R.T. -0.011 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

Tgt Ion:106 Resp: 7113
Ion Ratio Lower Upper
106 100
91 186.5 162.6 244.0

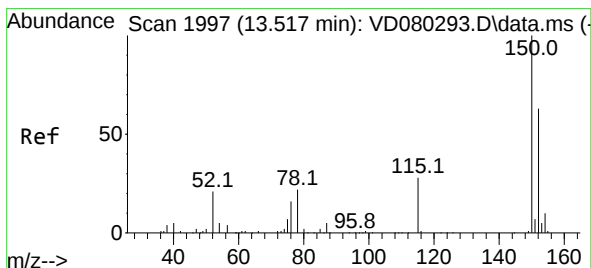
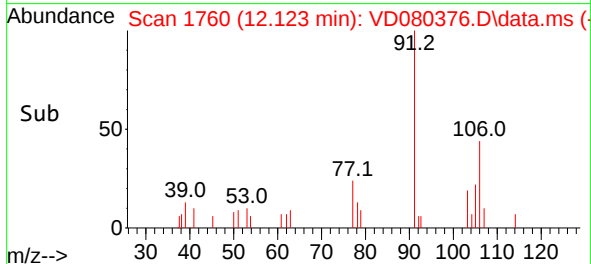
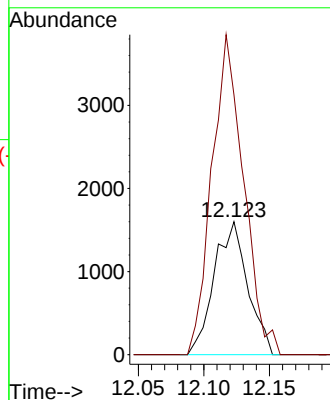
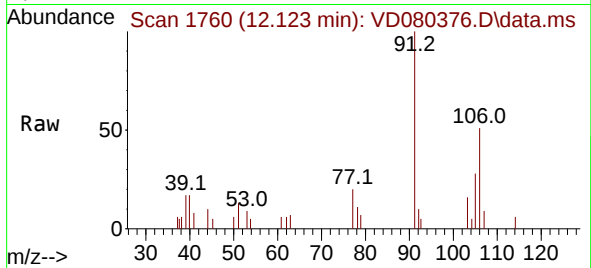




#69
o-Xylene
Concen: 1.746 ug/l
RT: 12.123 min Scan# 11
Delta R.T. 0.007 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

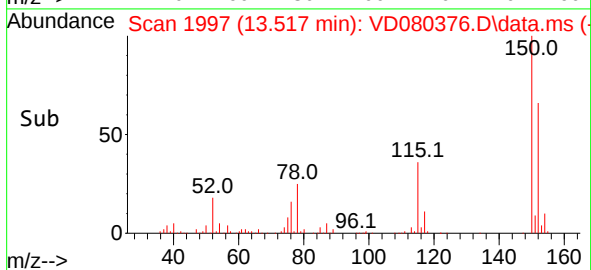
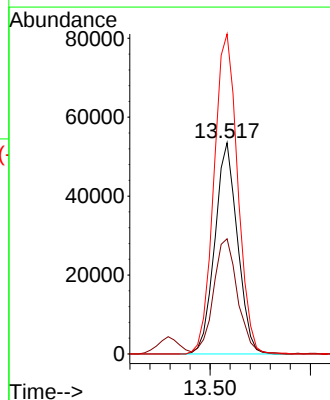
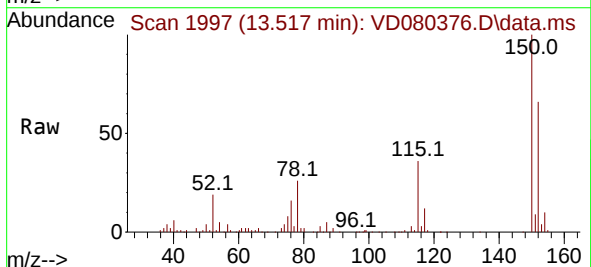
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0134

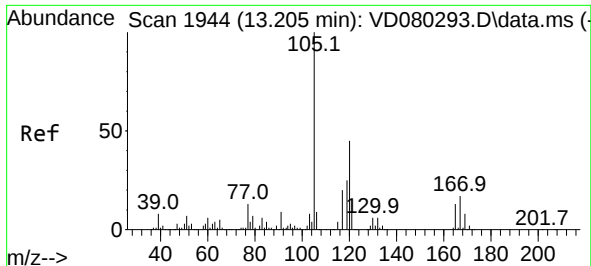
Tgt Ion:106 Resp: 2850
Ion Ratio Lower Upper
106 100
91 227.9 110.5 331.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

Tgt Ion:152 Resp: 83828
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.8
150 158.7 0.0 354.8

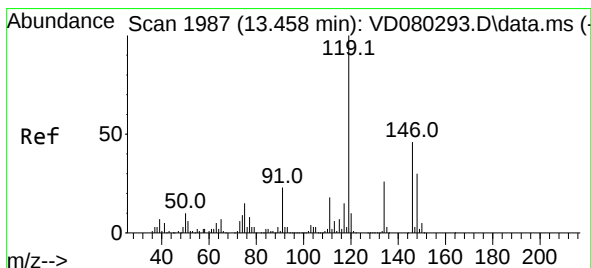
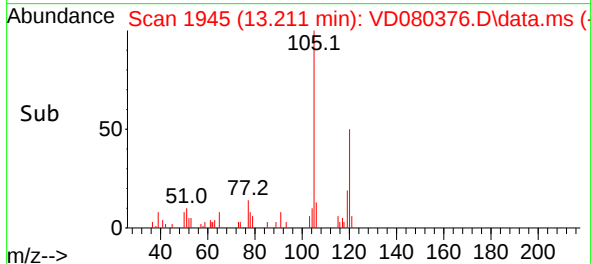
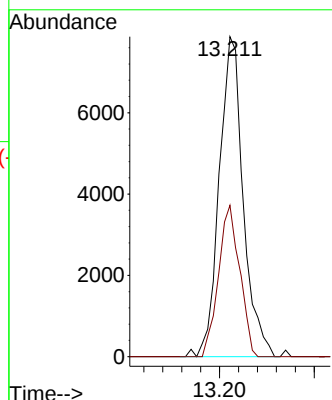
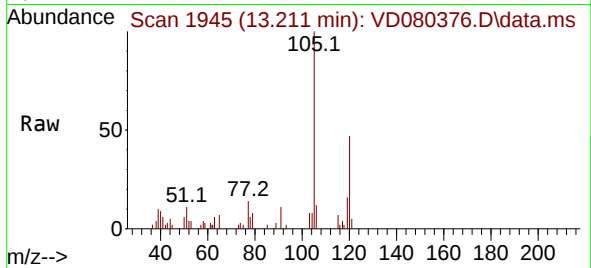




#84
1,2,4-Trimethylbenzene
Concen: 2.912 ug/l
RT: 13.211 min Scan# 1944
Delta R.T. 0.001 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0134

Tgt Ion:105 Resp: 13817
Ion Ratio Lower Upper
105 100
120 42.0 22.8 68.4



#86
p-Isopropyltoluene
Concen: 14.191 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. 0.001 min
Lab File: VD080376.D
Acq: 16 May 2025 17:18

Tgt Ion:119 Resp: 71185
Ion Ratio Lower Upper
119 100
134 26.4 13.1 39.1
91 24.6 12.2 36.4

