Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
Data File : VD080353.D
Acq On : 15 May 2025 17:17
Operator : RP/MD
Sample : Q2047-01
Misc : 5.45G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

Quant Time: May 16 03:00:16 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	103015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	196529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	193622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	87021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	60700	45.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.140%			
35) Dibromofluoromethane	7.811	113	68793	52.226	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.460%			
50) Toluene-d8	10.270	98	254741	49.083	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.570	95	77005	46.227	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.460%			
Target Compounds						Qvalue
52) Toluene	10.329	92	8218	2.211	ug/l	91
68) m/p-Xylenes	11.788	106	7765	2.737	ug/l	87
69) o-Xylene	12.117	106	2716	1.048	ug/l	92

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

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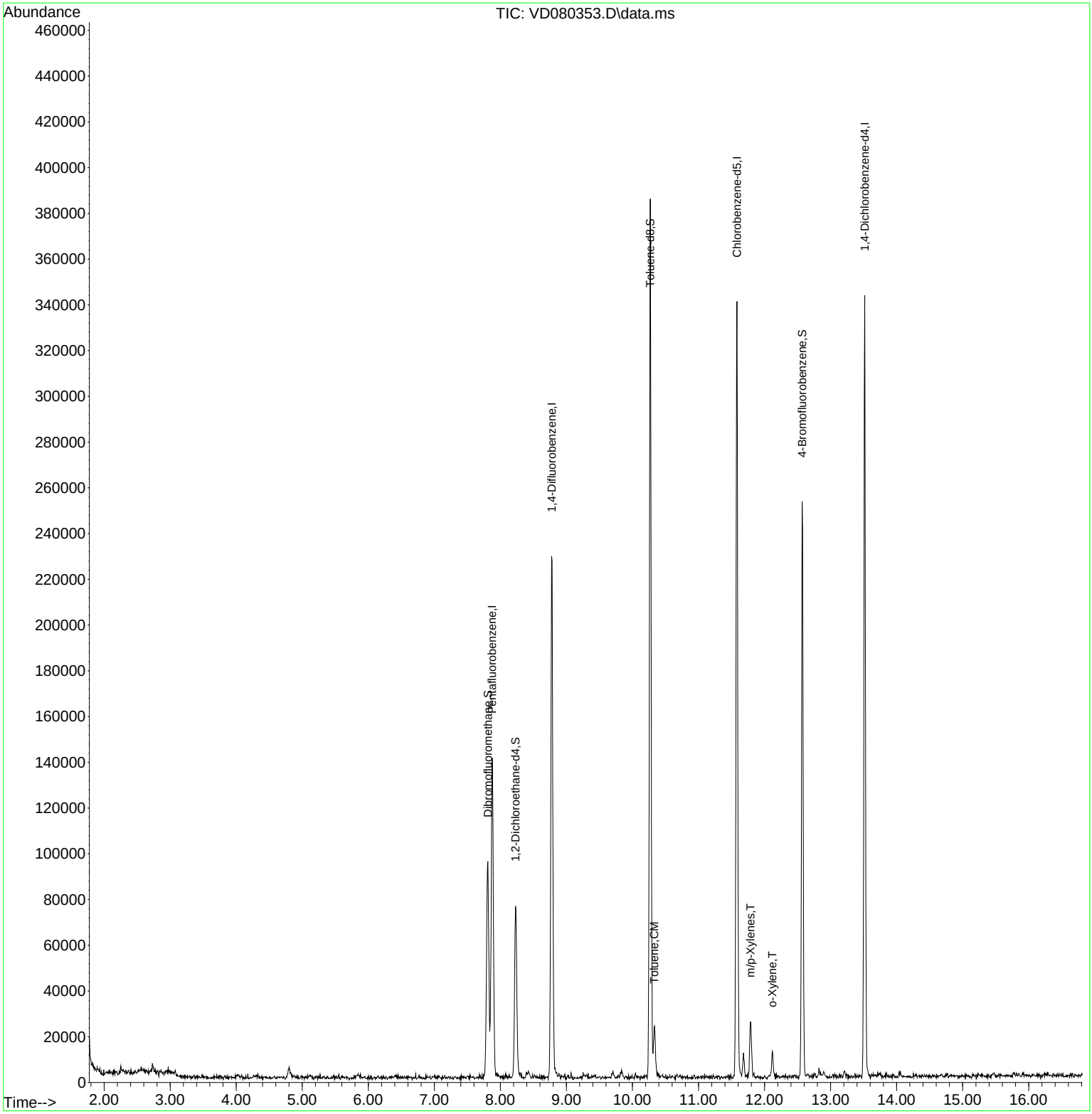
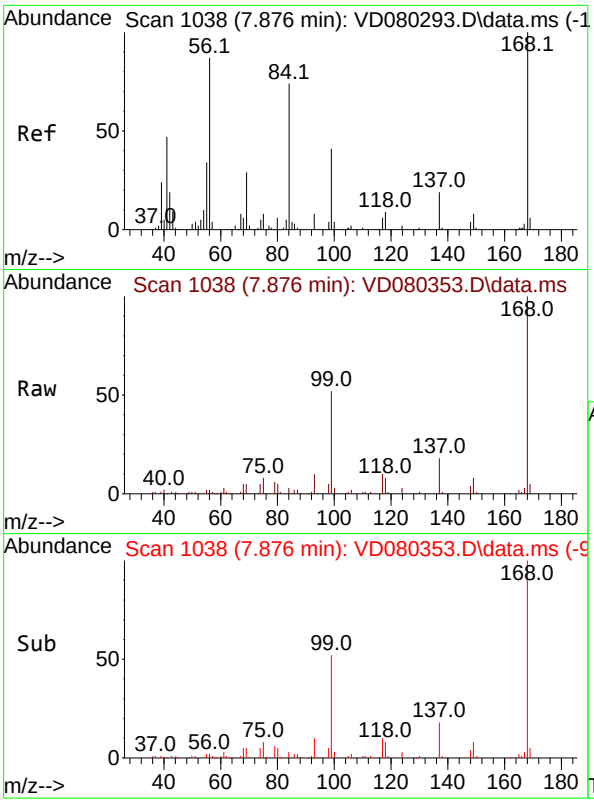


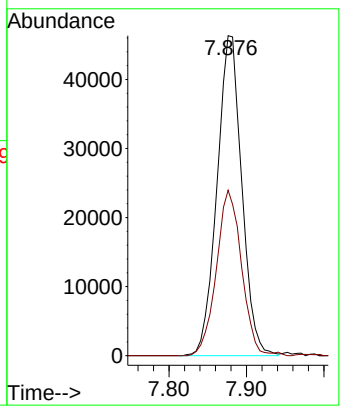


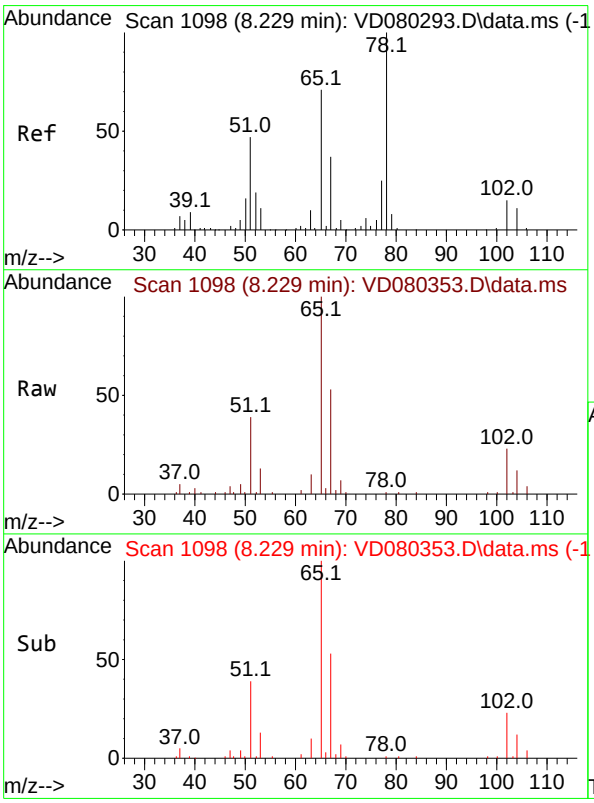
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

Tgt Ion:168 Resp: 103015

Ion	Ratio	Lower	Upper
168	100		
99	51.7	46.0	69.0

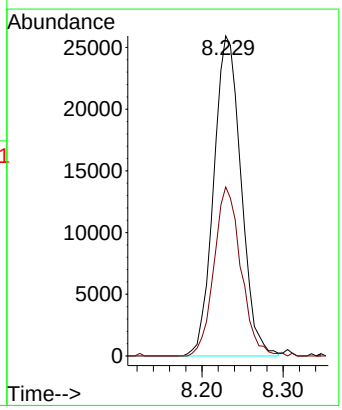


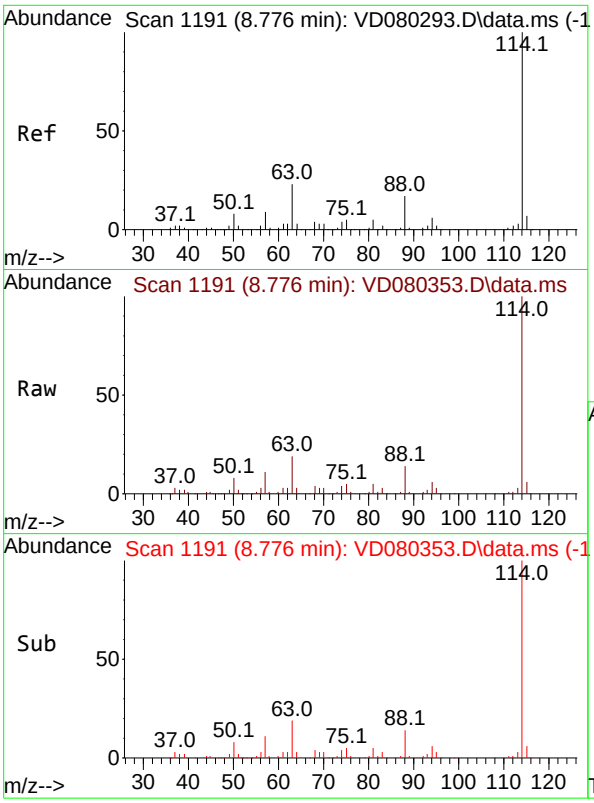


#33
1,2-Dichloroethane-d4
Concen: 45.565 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion: 65 Resp: 60700

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	109.2



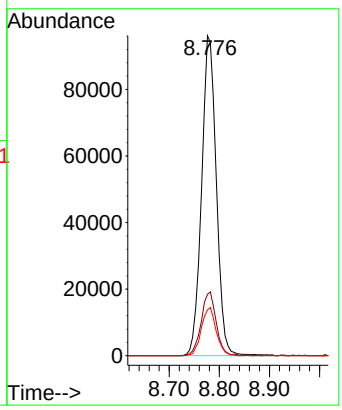


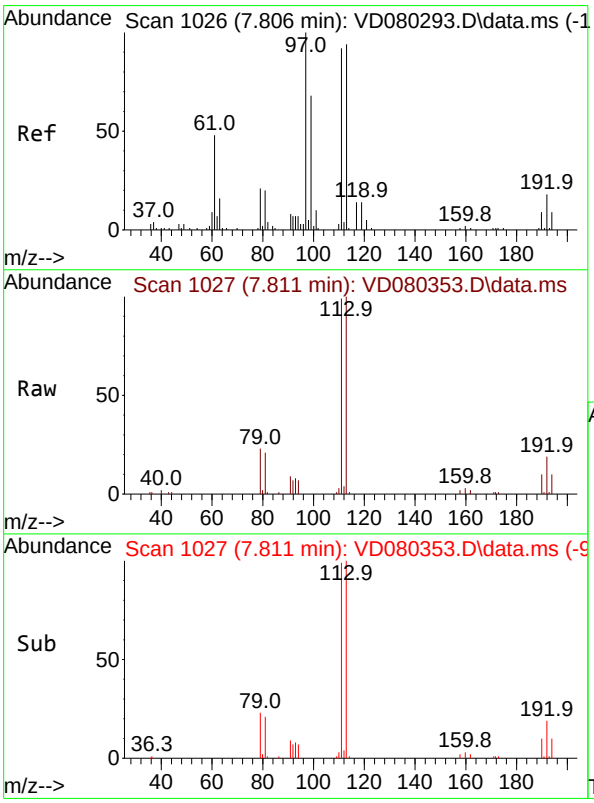
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

Tgt Ion:114 Resp: 196529

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.8
88	14.3	0.0	30.6

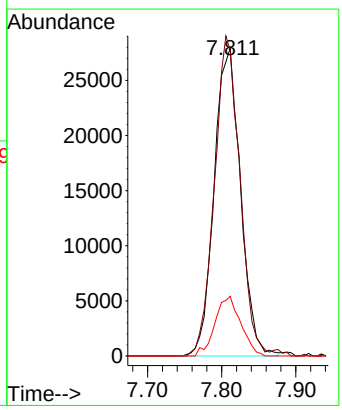


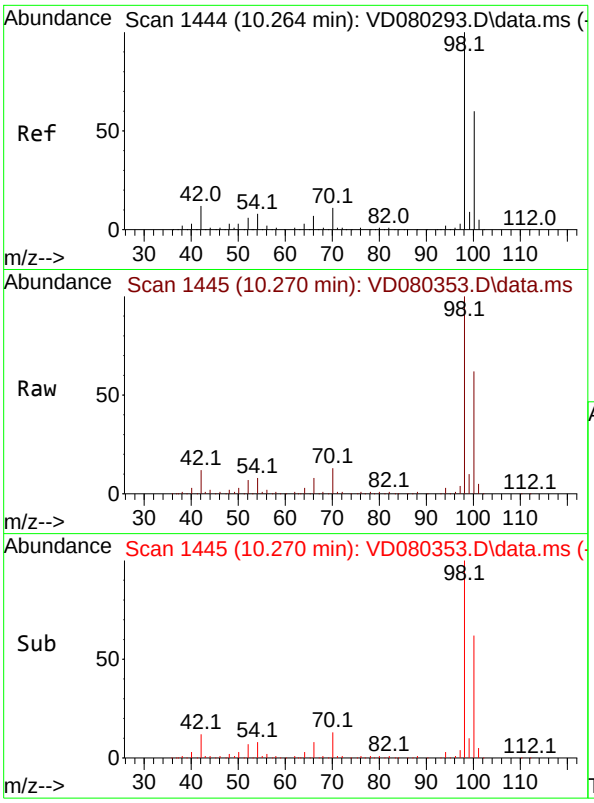


#35
Dibromofluoromethane
Concen: 52.226 ug/l
RT: 7.811 min Scan# 1027
Delta R.T. 0.006 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion:113 Resp: 68793

Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.5	123.7
192	19.0	16.6	25.0



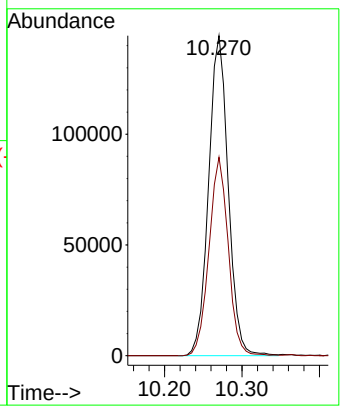


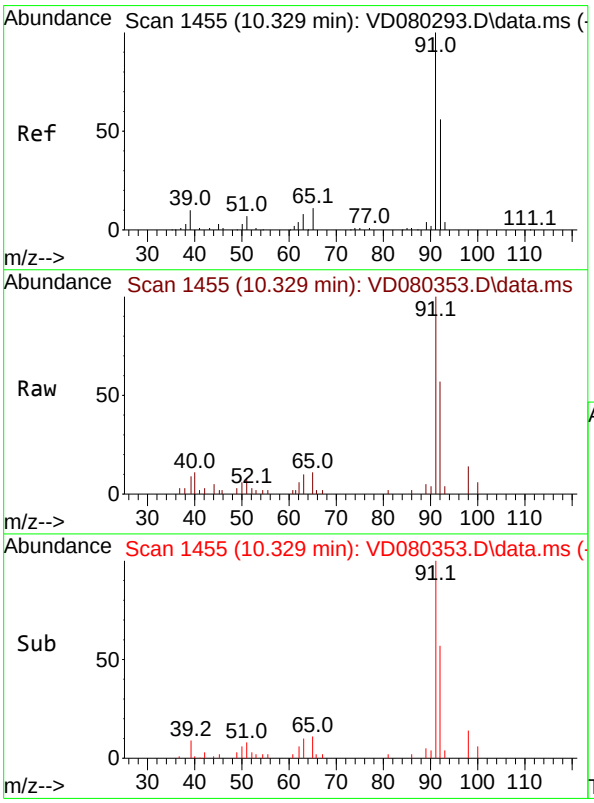
#50
Toluene-d8
Concen: 49.083 ug/l
RT: 10.270 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

Tgt Ion: 98 Resp: 254741

Ion	Ratio	Lower	Upper
98	100		
100	61.0	50.2	75.4

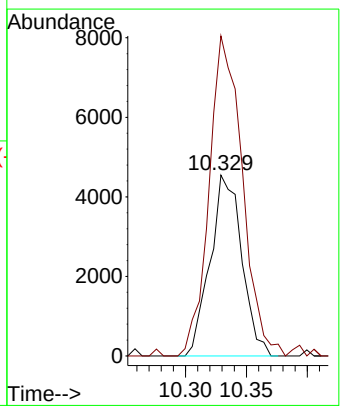


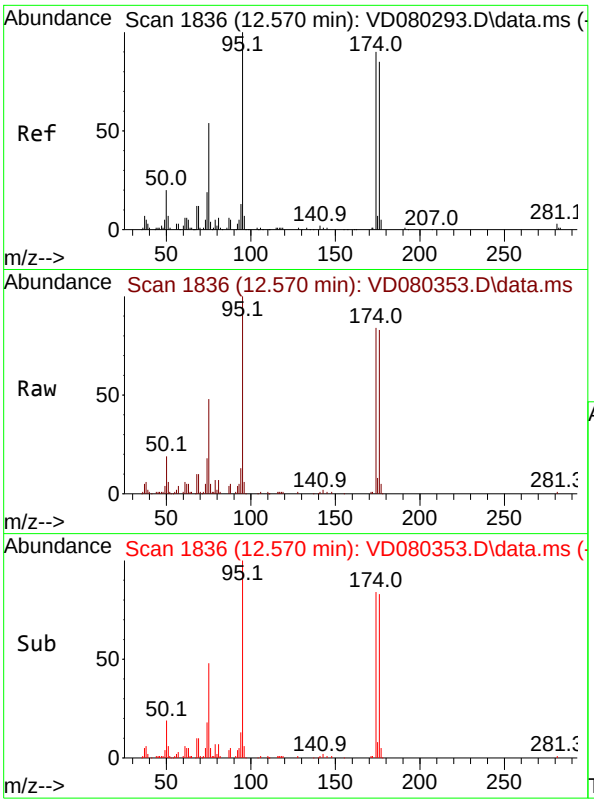


#52
Toluene
Concen: 2.211 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. -0.005 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion: 92 Resp: 8218

Ion	Ratio	Lower	Upper
92	100		
91	186.0	139.3	208.9



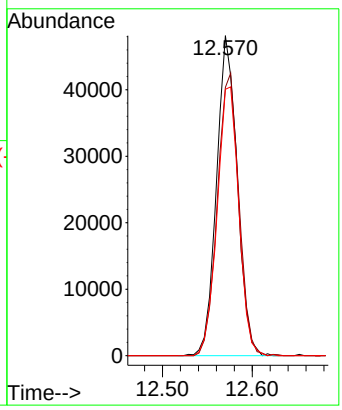


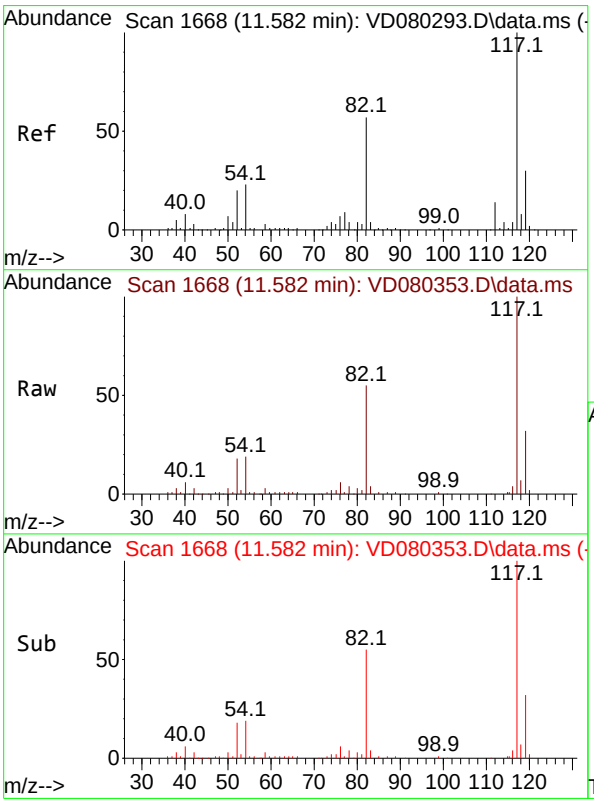
#62
4-Bromofluorobenzene
Concen: 46.227 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

Tgt Ion: 95 Resp: 77005

Ion	Ratio	Lower	Upper
95	100		
174	92.0	0.0	173.4
176	87.9	0.0	166.6

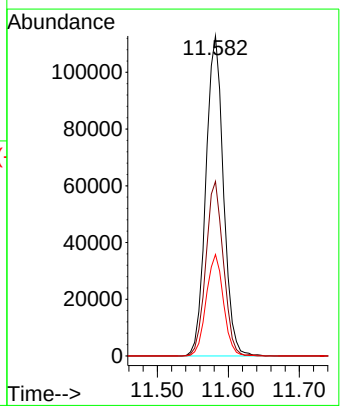


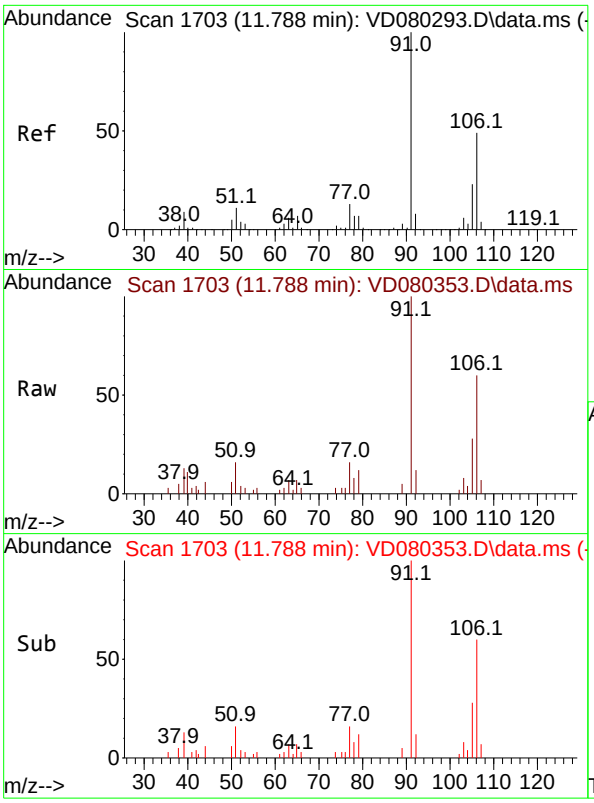


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion:117 Resp: 193622

Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.8	68.6
119	31.7	26.2	39.2



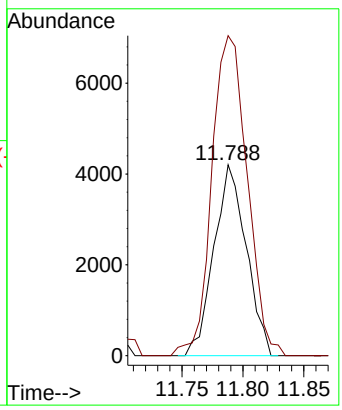


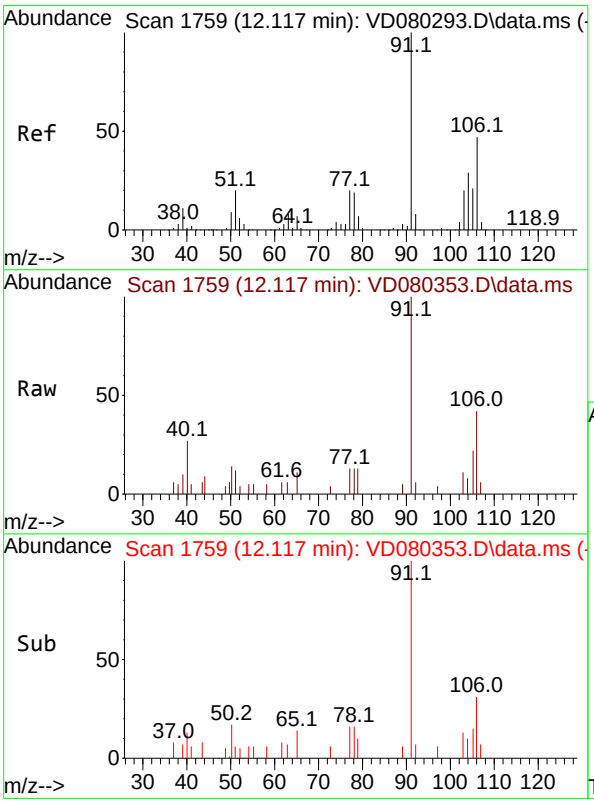
#68
m/p-Xylenes
Concen: 2.737 ug/l
RT: 11.788 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

Tgt Ion:106 Resp: 7765

Ion	Ratio	Lower	Upper
106	100		
91	183.6	162.6	244.0

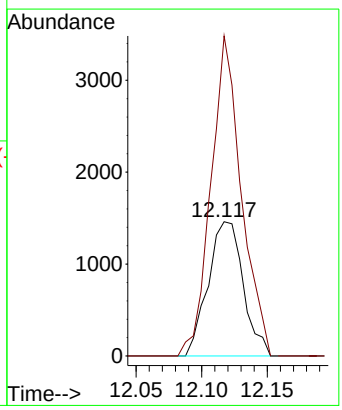


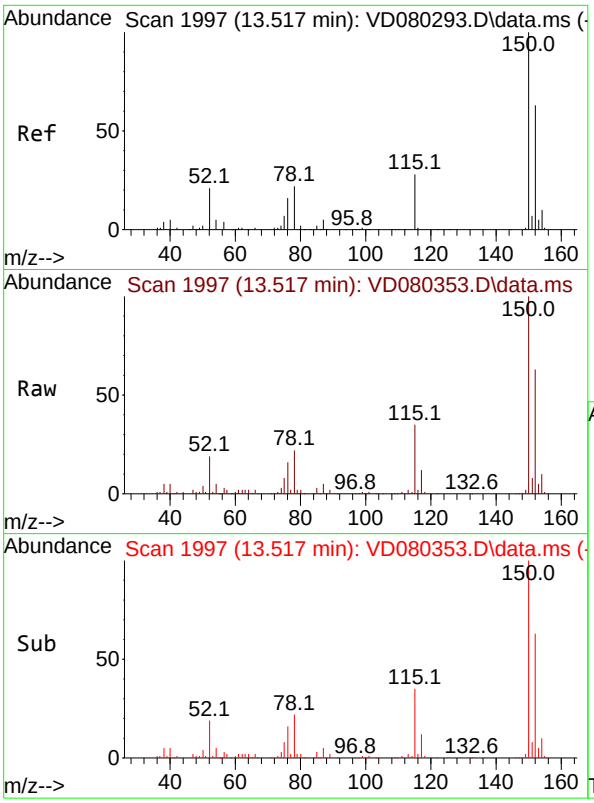


#69
o-Xylene
Concen: 1.048 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Tgt Ion:106 Resp: 2716

Ion	Ratio	Lower	Upper
106	100		
91	207.4	110.5	331.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080353.D
Acq: 15 May 2025 17:17

Instrument :
MSVOA_D
ClientSampleId :
SU-04-051425

Tgt Ion:152 Resp: 87021

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.9	86.8
150	161.1	0.0	354.8