Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
Data File : VD071301.D
Acq On : 13 Dec 2021 17:24
Operator : VA/SY
Sample : M5032-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121021

Quant Time: Dec 14 08:14:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	202358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	351652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	406889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	214254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	123047	51.822	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.640%			
35) Dibromofluoromethane	7.914	113	114043	50.928	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.860%			
50) Toluene-d8	10.332	98	457331	53.667	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.620	95	213466	72.266	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 144.540%#			
Target Compounds						Qvalue
68) m/p-Xylenes	11.849	106	9124	1.700	ug/l	90
69) o-Xylene	12.173	106	15070	2.988	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	54411	4.253	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	55843	4.471	ug/l	98

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

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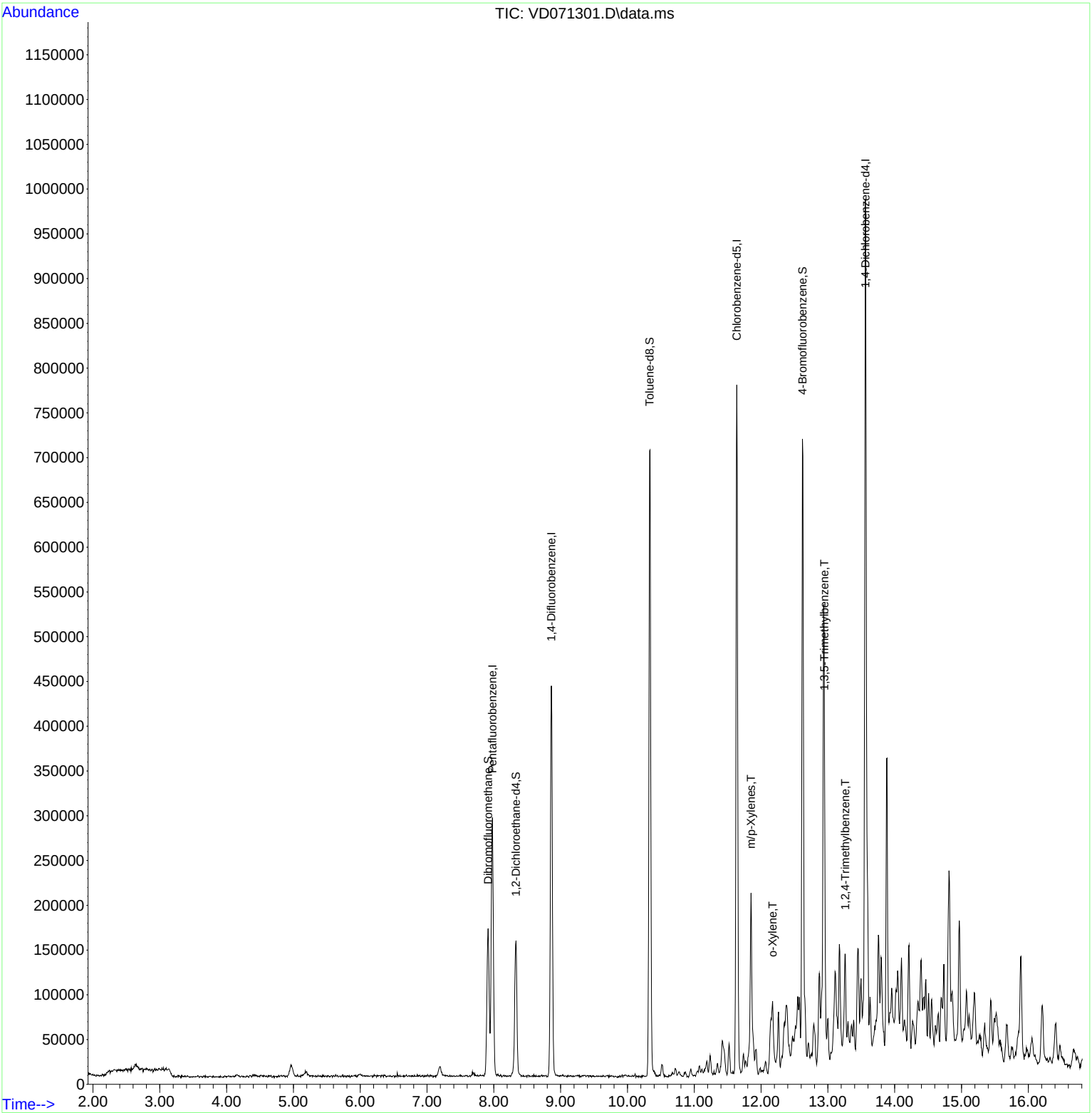
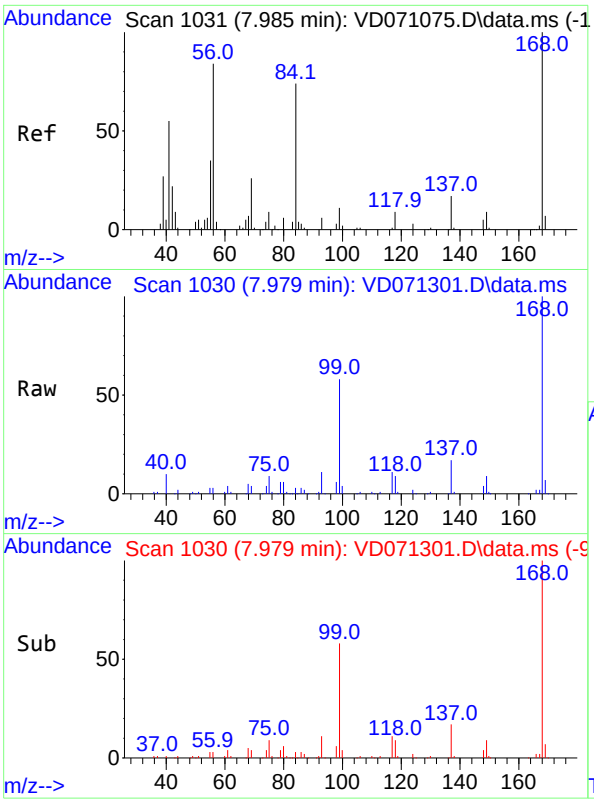


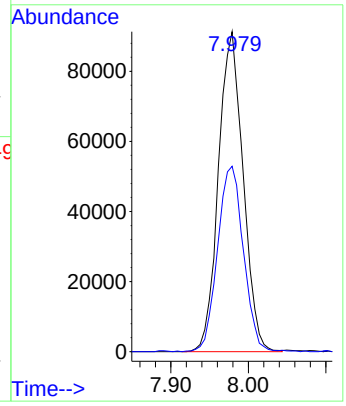


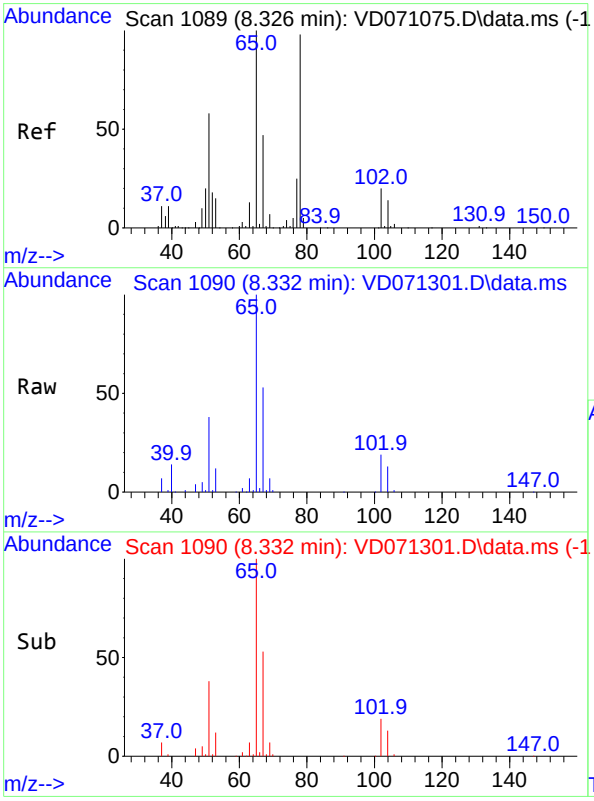
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121021

Tgt Ion:168 Resp: 202358

Ion	Ratio	Lower	Upper
168	100		
99	57.9	46.6	69.8

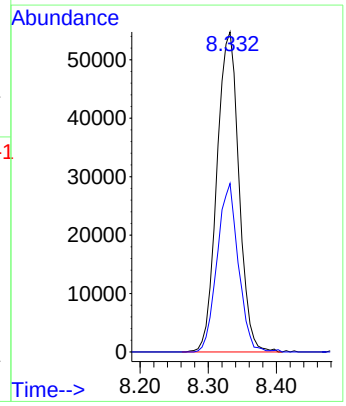


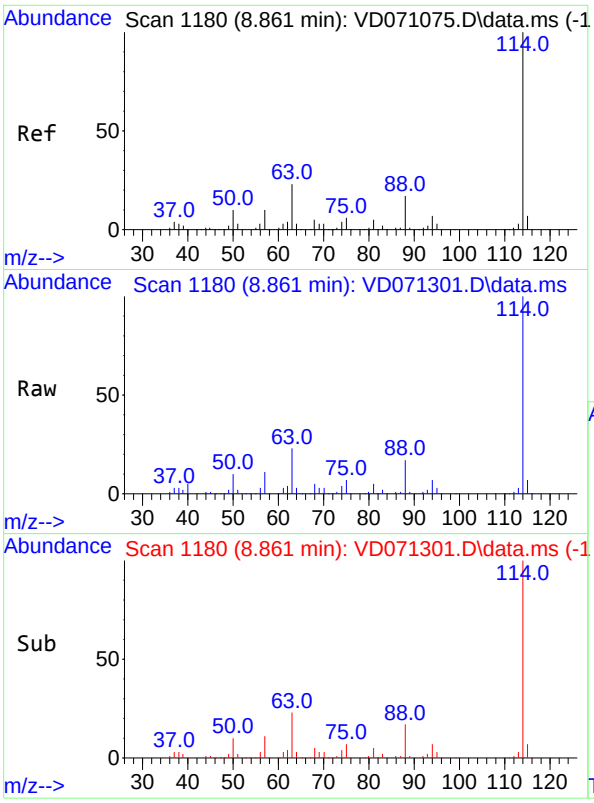


#33
1,2-Dichloroethane-d4
Concen: 51.822 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion: 65 Resp: 123047

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	112.2



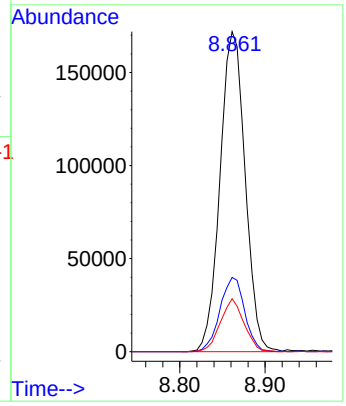


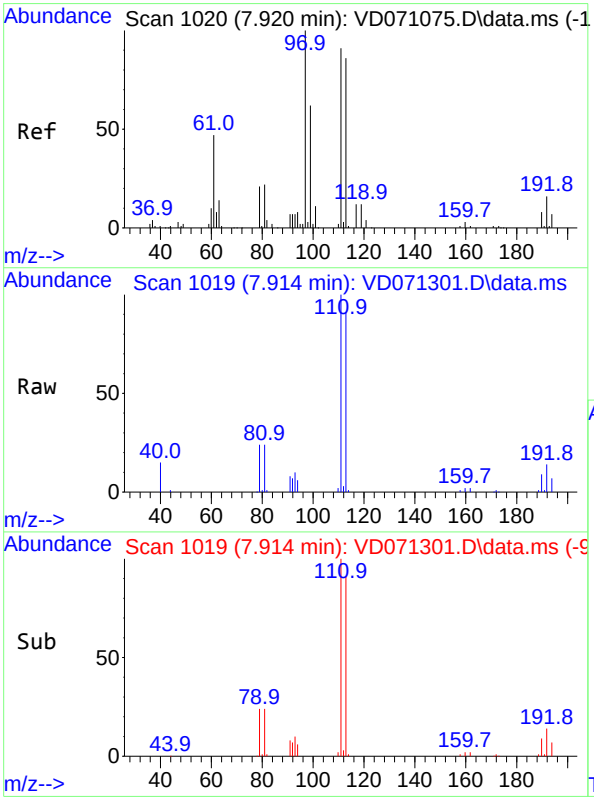
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121021

Tgt Ion:114 Resp: 351652

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	16.6	0.0	32.8

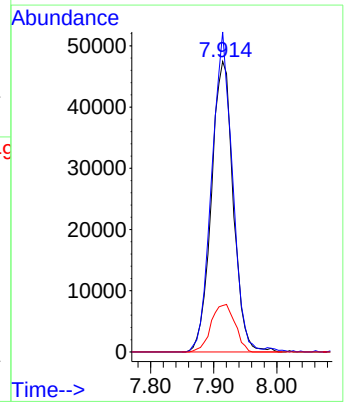


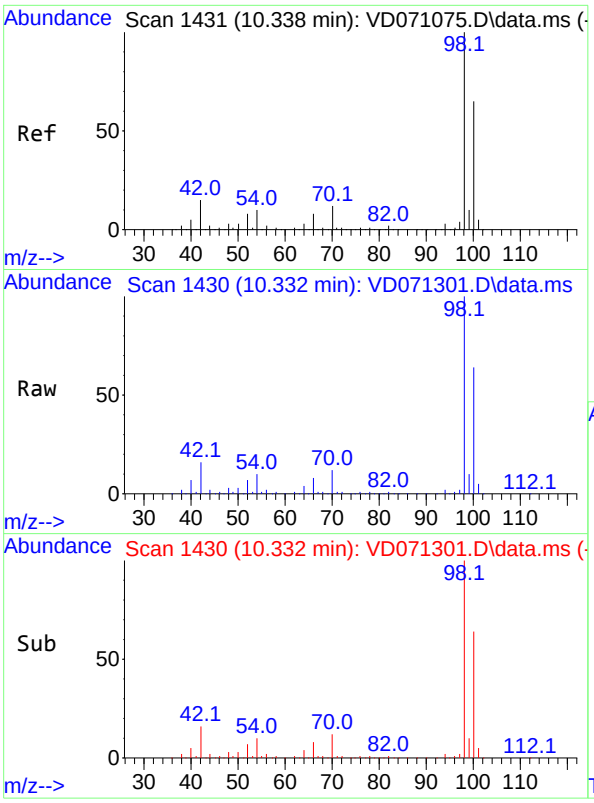


#35
Dibromofluoromethane
Concen: 50.928 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion:113 Resp: 114043

Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.0	123.0
192	17.9	15.2	22.8



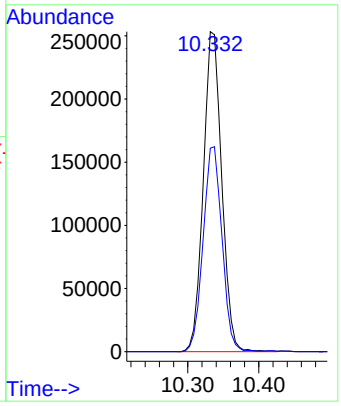


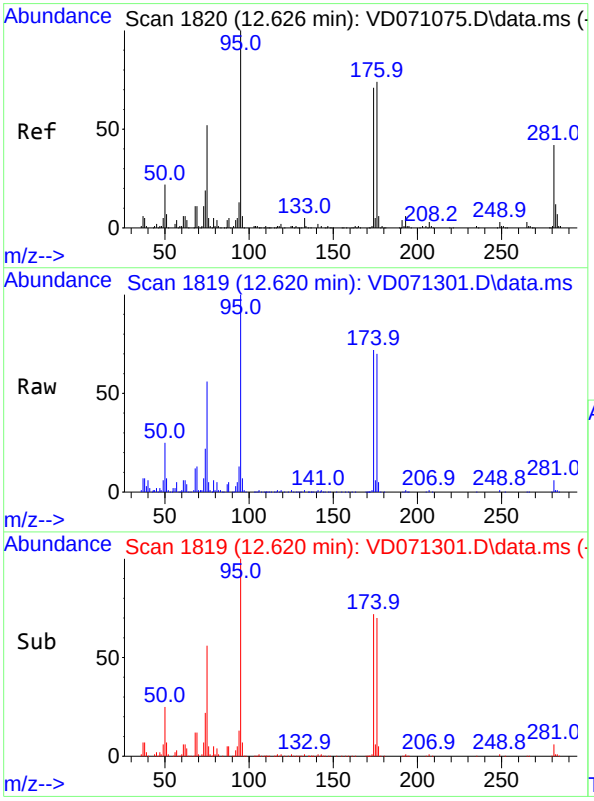
#50
Toluene-d8
Concen: 53.667 ug/l
RT: 10.332 min Scan# 14
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121021

Tgt Ion: 98 Resp: 457331

Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.8	77.6

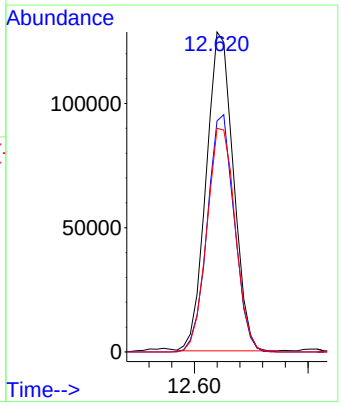


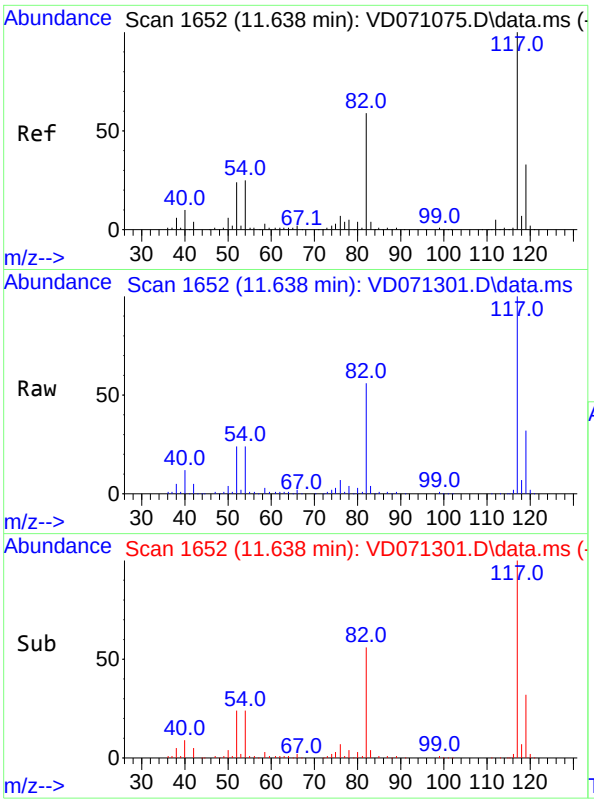


#62
4-Bromofluorobenzene
Concen: 72.266 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion: 95 Resp: 213466

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	159.4
176	73.0	0.0	154.0



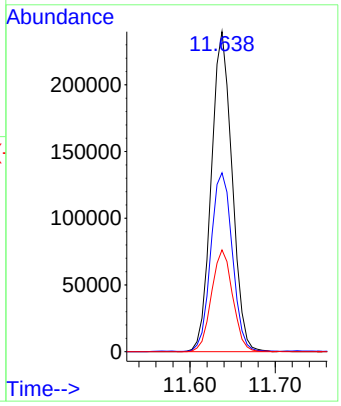


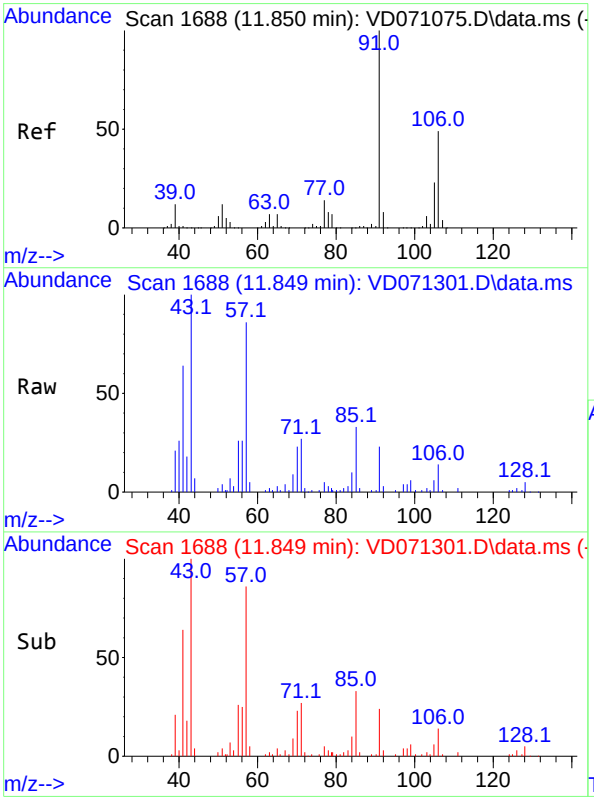
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121021

Tgt Ion:117 Resp: 406889

Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.7	67.1
119	31.8	26.2	39.4

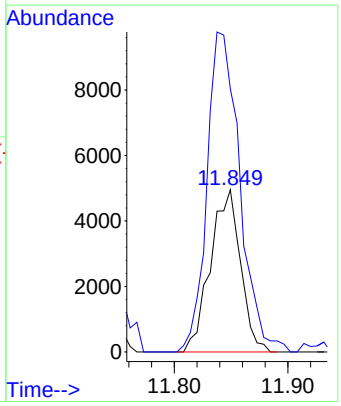


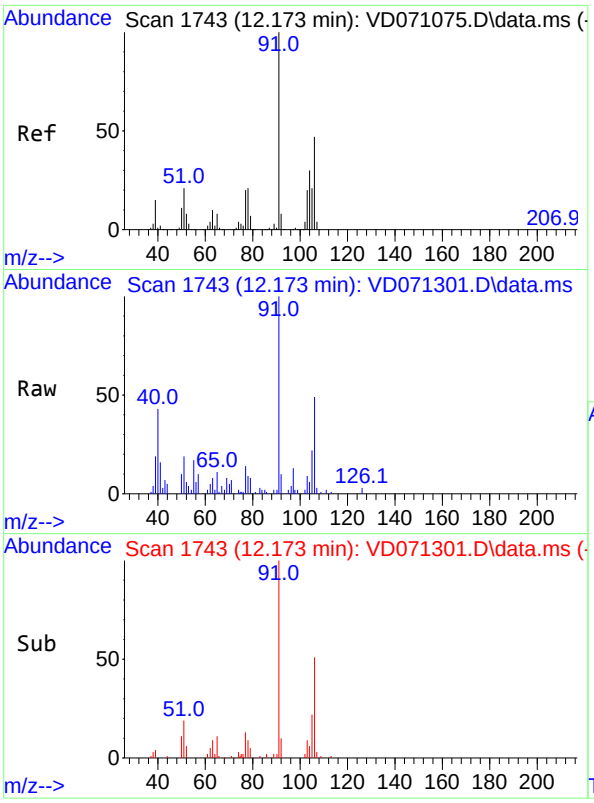


#68
m/p-Xylenes
Concen: 1.700 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.001 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion:106 Resp: 9124

Ion	Ratio	Lower	Upper
106	100		
91	214.9	160.1	240.1



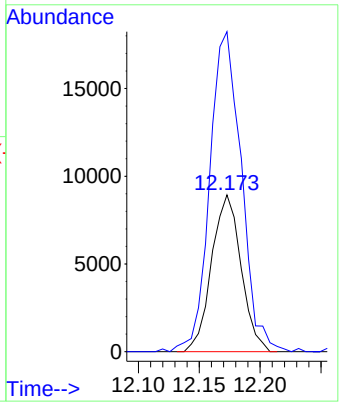


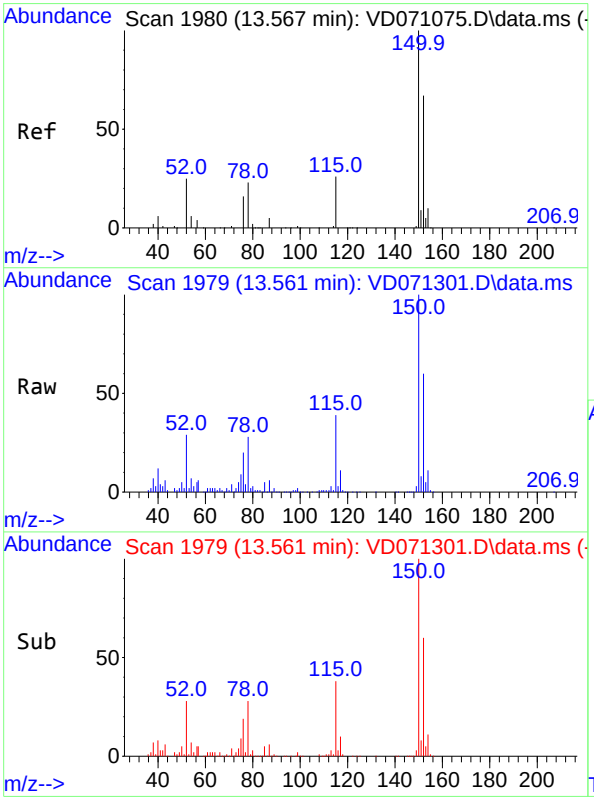
#69
o-Xylene
Concen: 2.988 ug/l
RT: 12.173 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121021

Tgt Ion:106 Resp: 15070

Ion	Ratio	Lower	Upper
106	100		
91	218.8	106.3	319.0

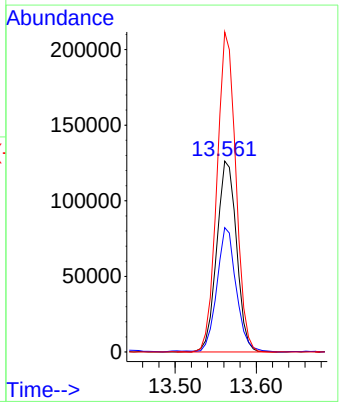


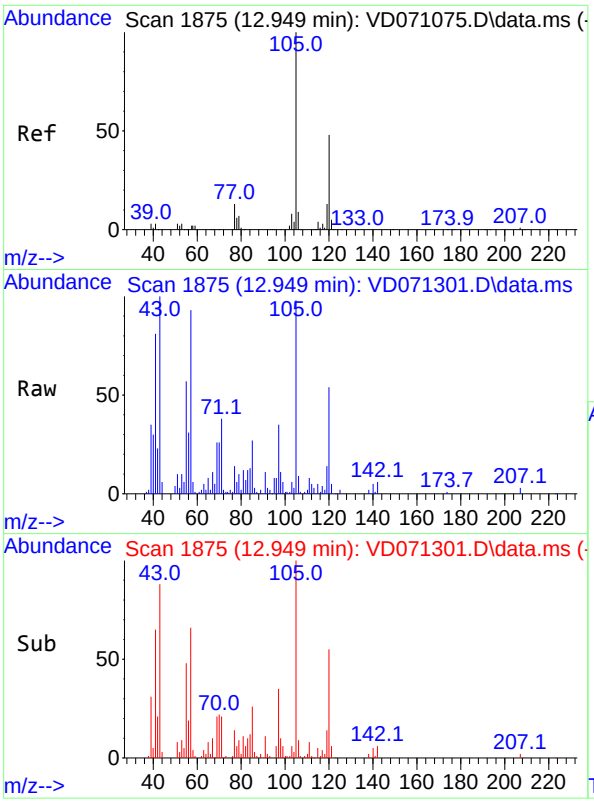


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion:152 Resp: 214254

Ion	Ratio	Lower	Upper
152	100		
115	63.6	29.8	89.3
150	159.7	0.0	349.2



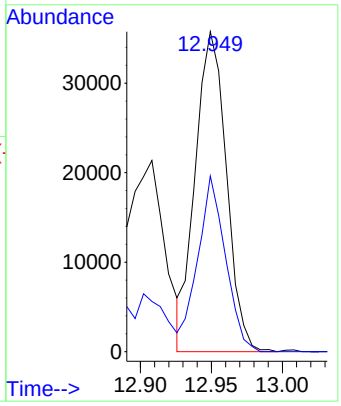


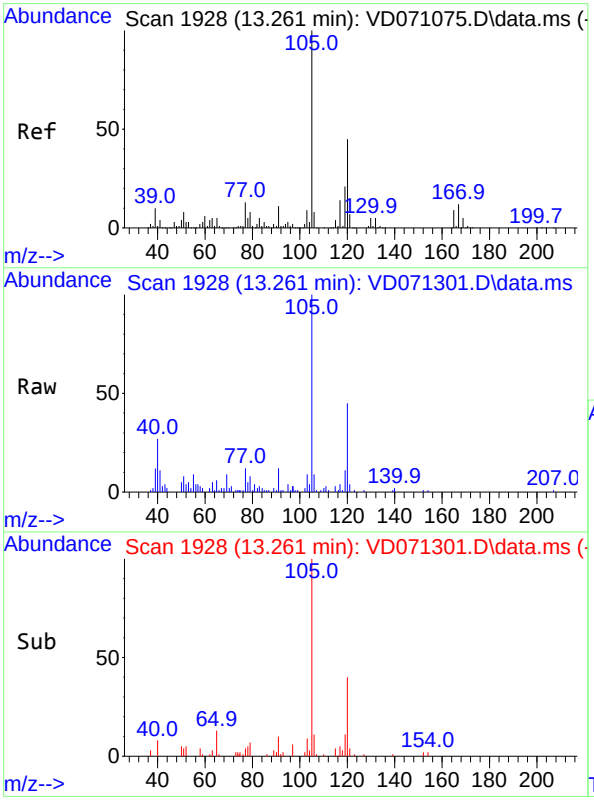
#80
1,3,5-Trimethylbenzene
Concen: 4.253 ug/l
RT: 12.949 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121021

Tgt Ion:105 Resp: 54411

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.6	73.8





#84
1,2,4-Trimethylbenzene
Concen: 4.471 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD071301.D
Acq: 13 Dec 2021 17:24

Tgt Ion:105 Resp: 55843

Ion	Ratio	Lower	Upper
105	100		
120	47.3	22.9	68.7