Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020353.D
Acq On : 20 Nov 2024 12:44
Operator : SY/MD
Sample : P4929-01
Misc : 3.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ARS520

Quant Time: Nov 21 00:46:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	127316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	240375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	191898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	54461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84021	57.442	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.880%			
35) Dibromofluoromethane	7.634	113	78301	50.800	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.600%			
50) Toluene-d8	10.103	98	274806	45.260	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.520%			
62) 4-Bromofluorobenzene	12.408	95	74705	38.274	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 76.540%			
Target Compounds						Qvalue
68) m/p-Xylenes	11.621	106	3615	1.271	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	8701	2.334	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	30826	8.339	ug/l	99

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

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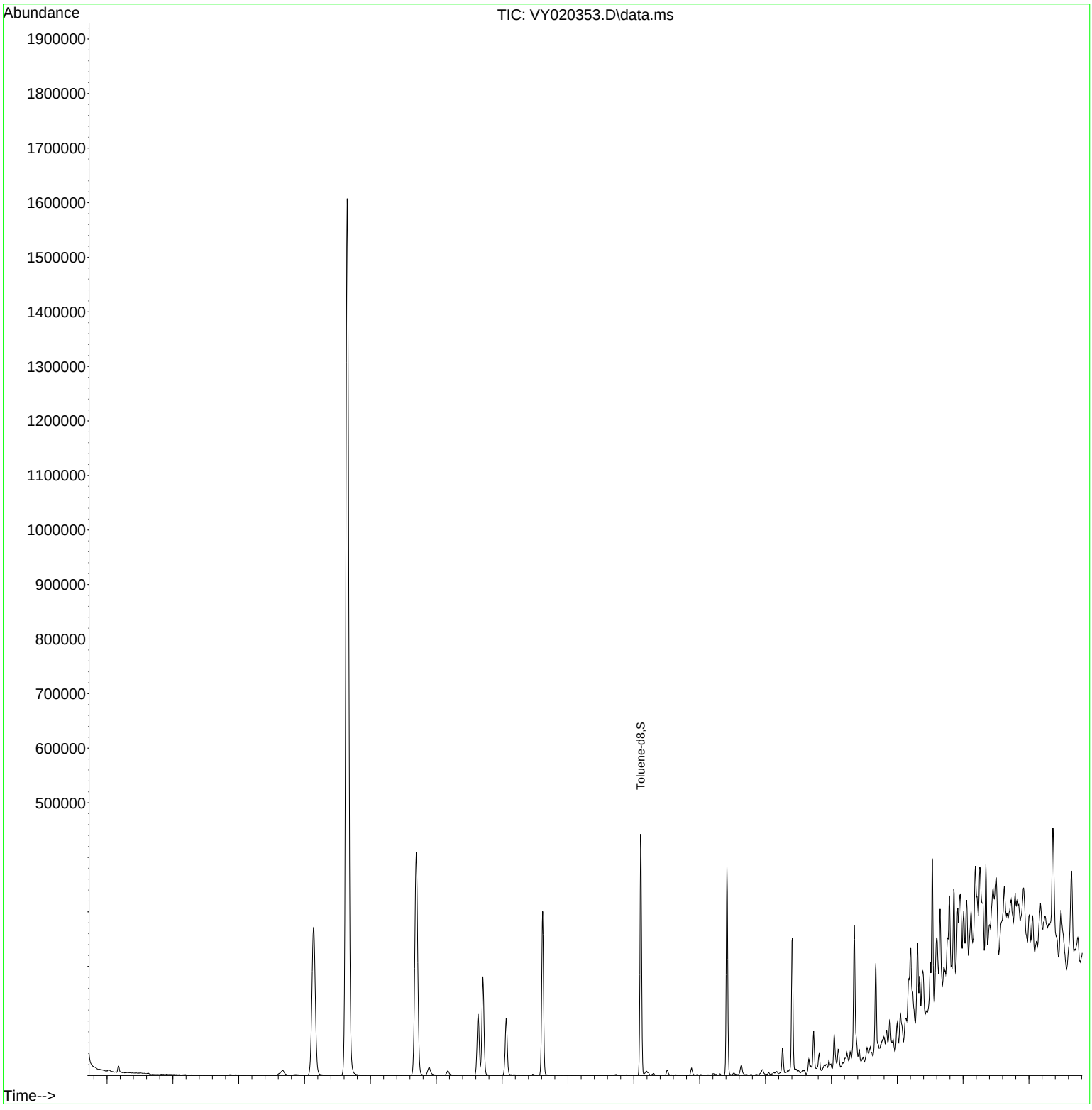
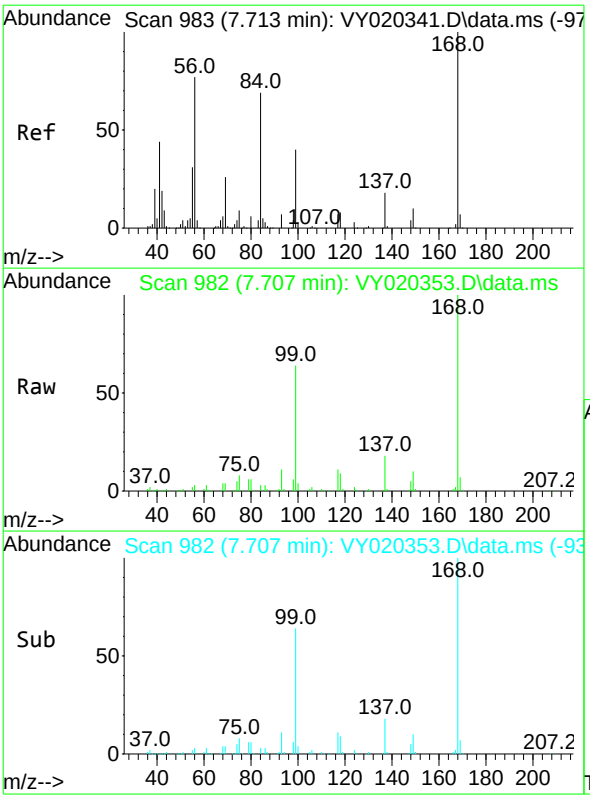


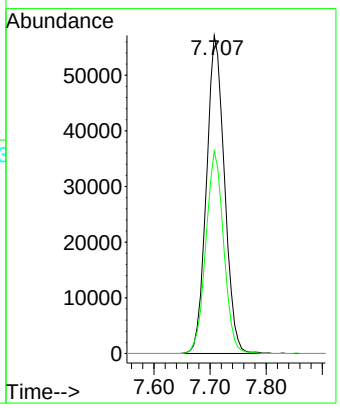


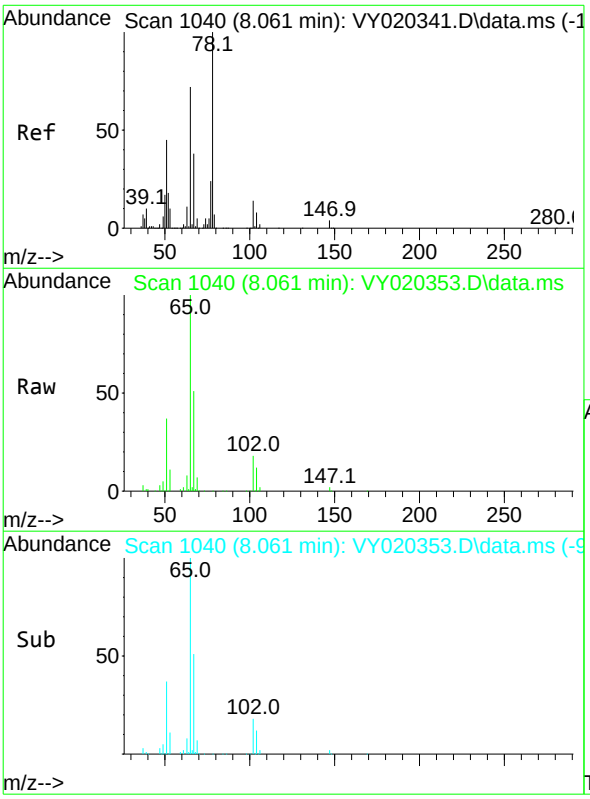
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :
ARS520

Tgt Ion:168 Resp: 127316

Ion	Ratio	Lower	Upper
168	100		
99	63.5	46.6	69.8

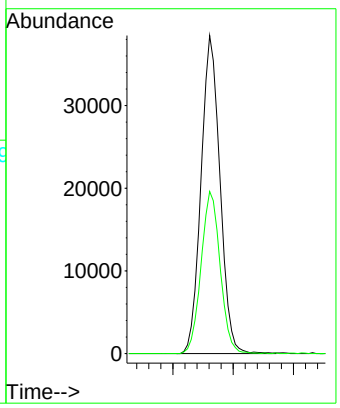


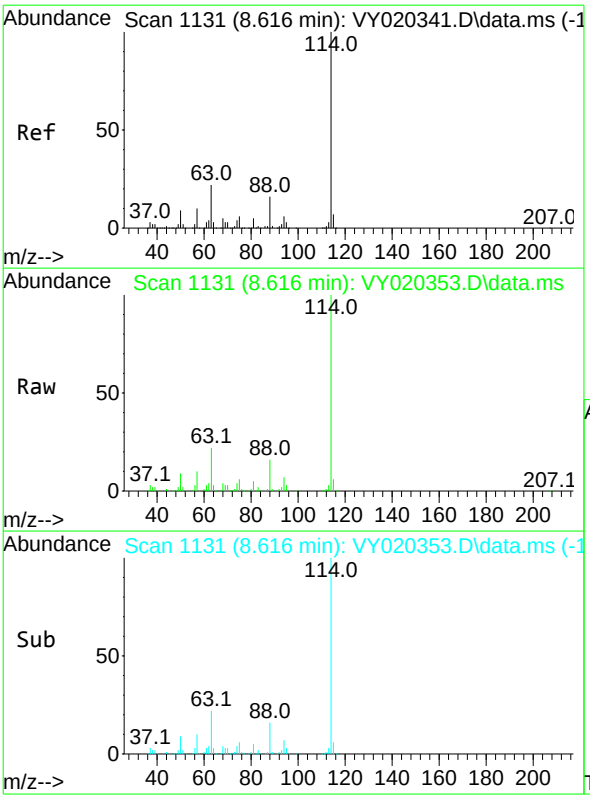


#33
1,2-Dichloroethane-d4
Concen: 57.442 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Tgt Ion: 65 Resp: 84021

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	105.8



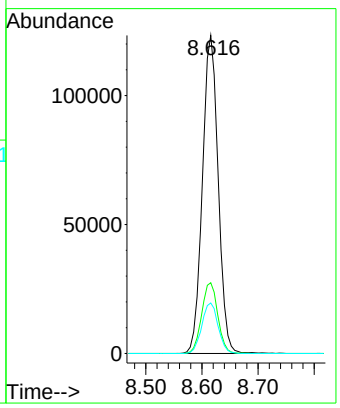


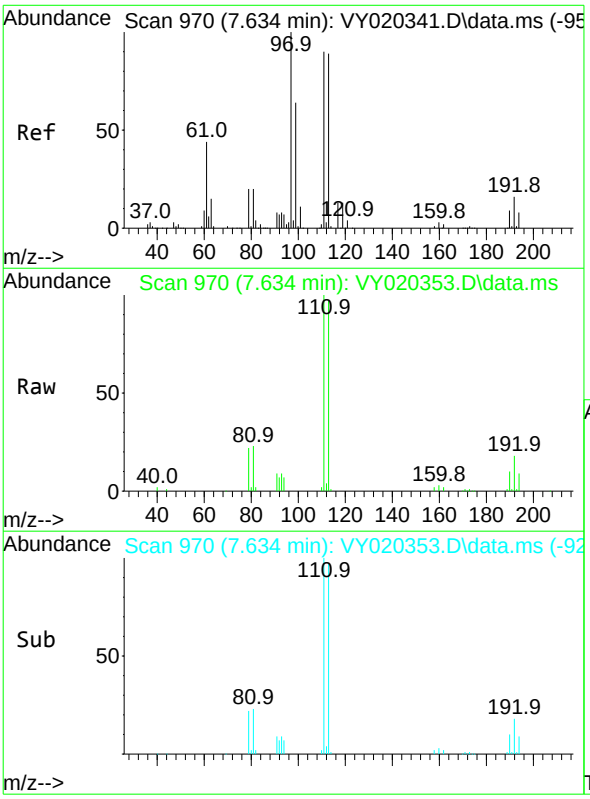
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :
ARS520

Tgt Ion:114 Resp: 240375

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.8
88	15.9	0.0	32.0

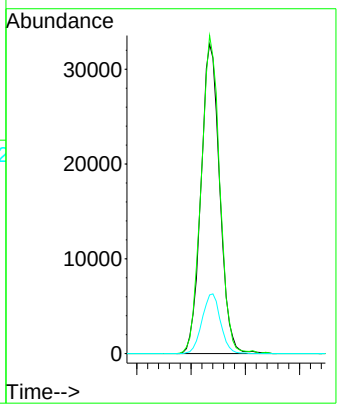


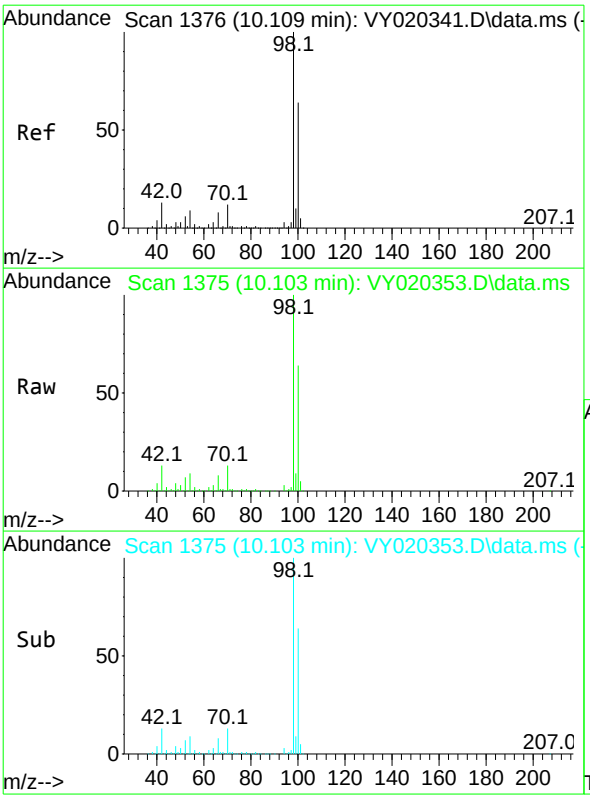


#35
Dibromofluoromethane
Concen: 50.800 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Tgt Ion:113 Resp: 78301

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	19.0	15.1	22.7



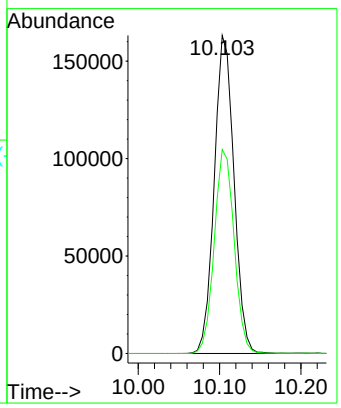


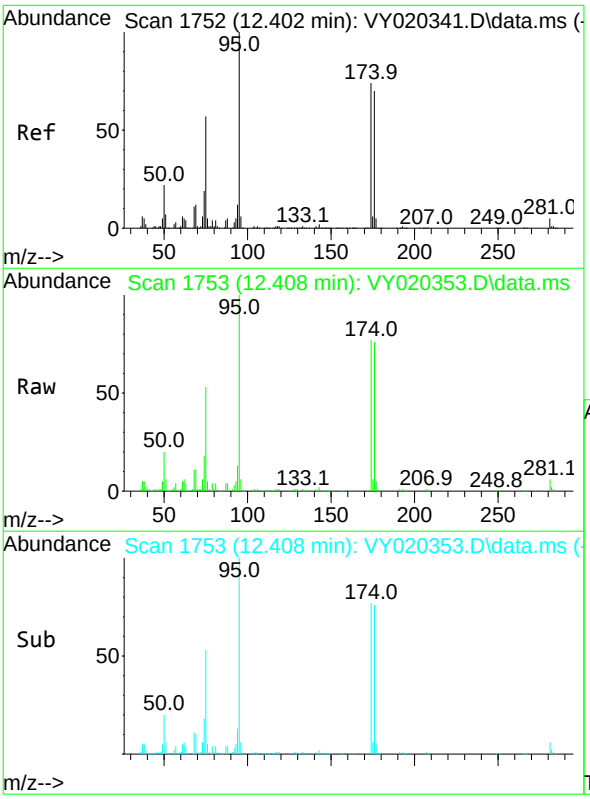
#50
Toluene-d8
Concen: 45.260 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :
ARS520

Tgt Ion: 98 Resp: 274806

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.3	76.9

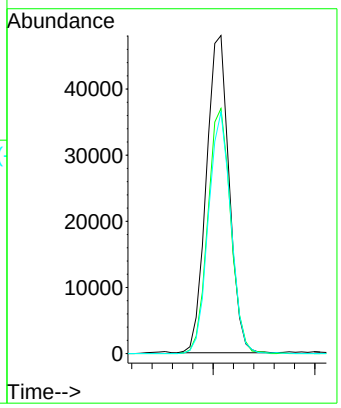


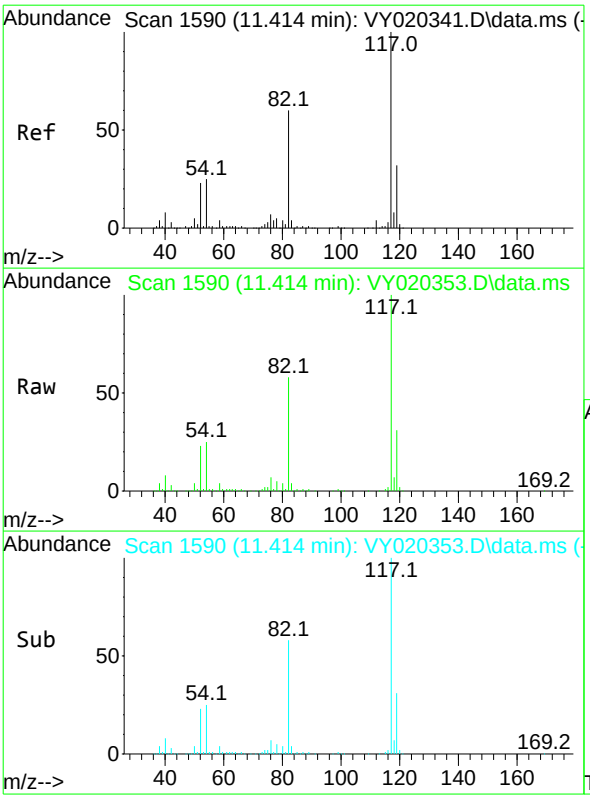


#62
4-Bromofluorobenzene
Concen: 38.274 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Tgt Ion: 95 Resp: 74705

Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	156.8
176	74.9	0.0	152.0



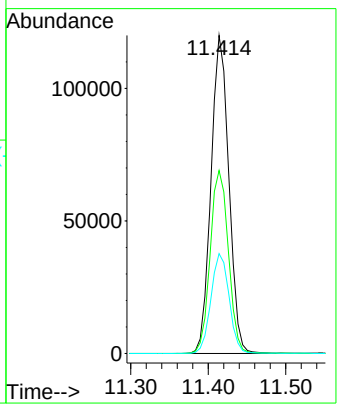


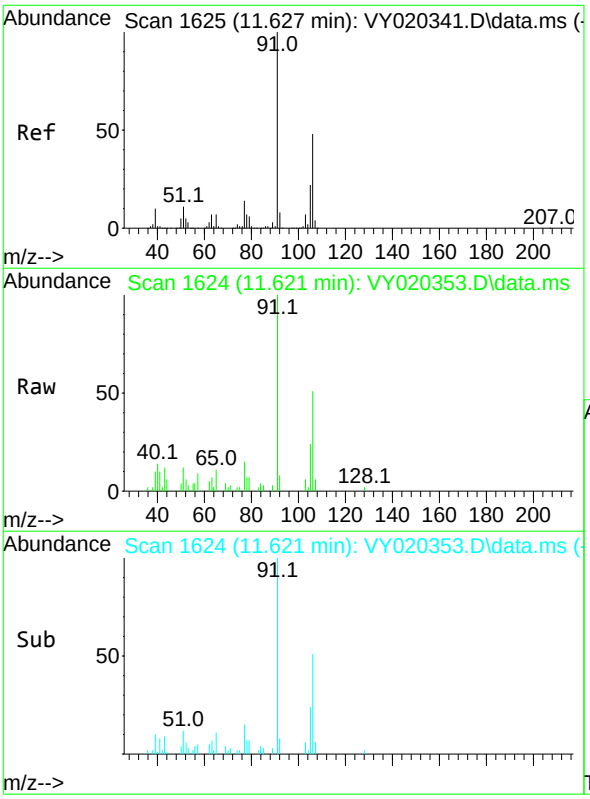
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :
ARS520

Tgt Ion:117 Resp: 191898

Ion	Ratio	Lower	Upper
117	100		
82	57.5	48.2	72.4
119	31.3	25.8	38.8

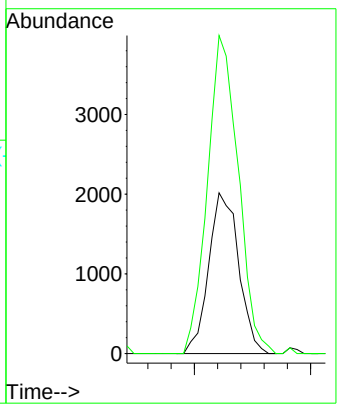


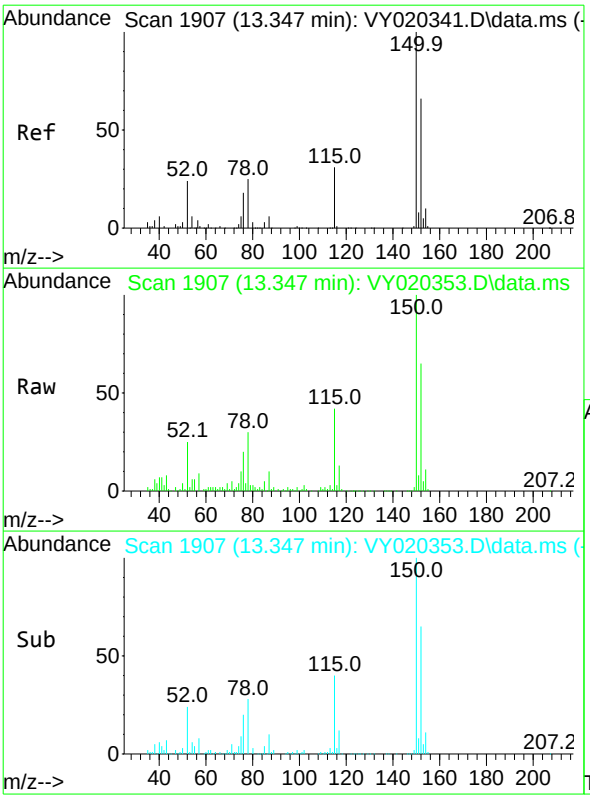


#68
m/p-Xylenes
Concen: 1.271 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Tgt Ion:106 Resp: 3615

Ion	Ratio	Lower	Upper
106	100		
91	203.4	166.0	249.0



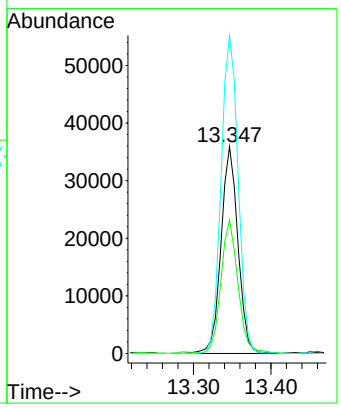


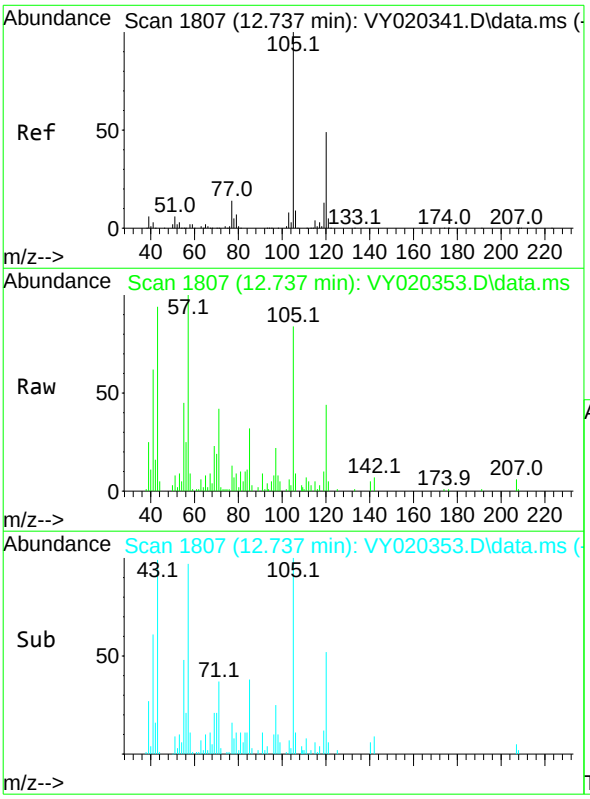
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :
ARS520

Tgt Ion:152 Resp: 54461

Ion	Ratio	Lower	Upper
152	100		
115	65.5	30.0	90.0
150	154.8	0.0	348.2

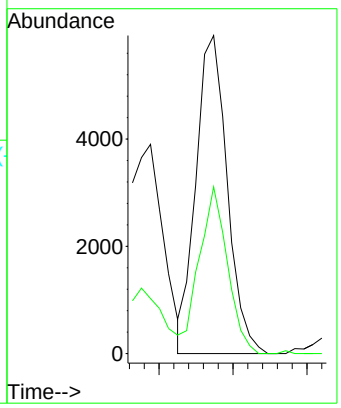


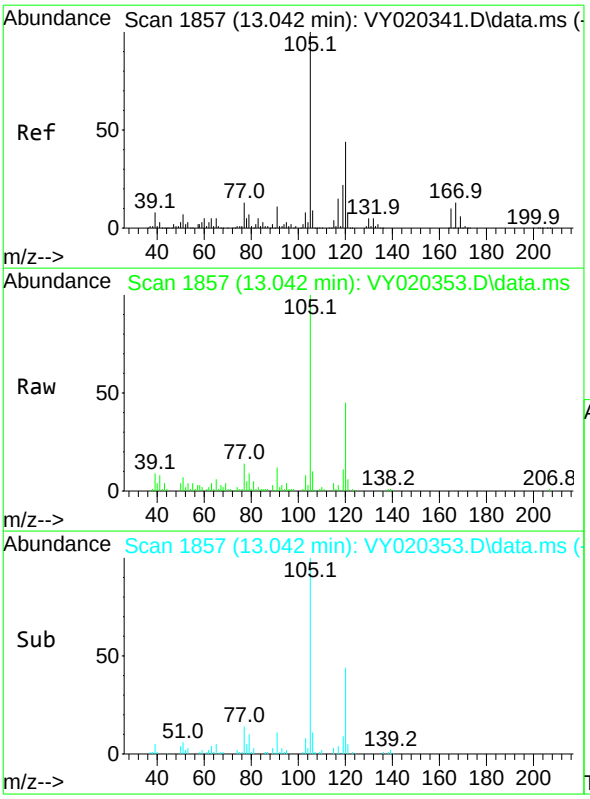


#80
1,3,5-Trimethylbenzene
Concen: 2.334 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Tgt Ion:105 Resp: 8701

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.3	72.8





#84
1,2,4-Trimethylbenzene
Concen: 8.339 ug/l
RT: 13.042 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :
ARS520

Tgt Ion:105 Resp: 30826

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.0	66.0