Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
Data File : VY020855.D
Acq On : 17 Jan 2025 15:10
Operator : SY/MD
Sample : Q1098-01RE
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-01152025RE

Quant Time: Jan 20 03:22:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	81940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	137493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	116042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	42625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	43929	63.075	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.140%			
35) Dibromofluoromethane	7.640	113	46896	54.443	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.880%			
50) Toluene-d8	10.109	98	157814	52.556	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.120%			
62) 4-Bromofluorobenzene	12.408	95	45677	41.192	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 82.380%			
Target Compounds						Qvalue
51) 4-Methyl-2-Pentanone	10.000	43	806	1.814	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.048	105	4518	1.688	ug/l	99

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

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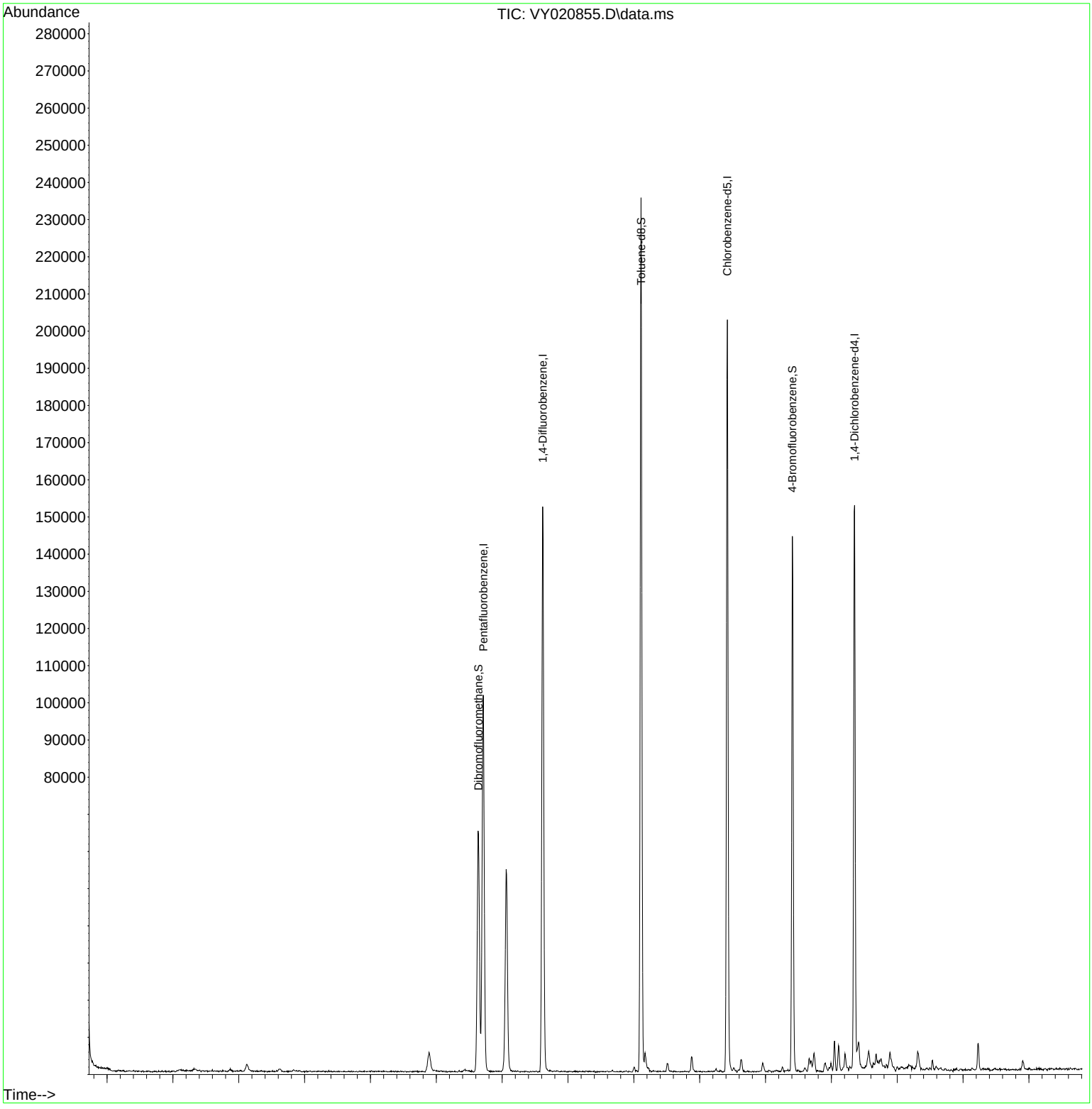
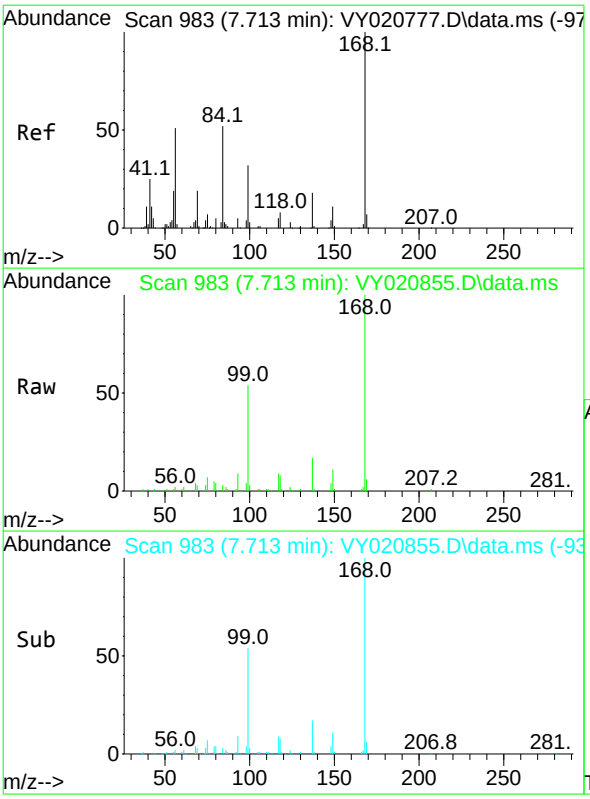


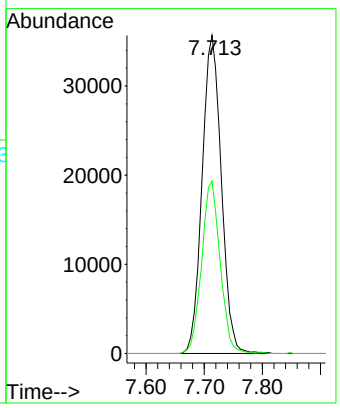


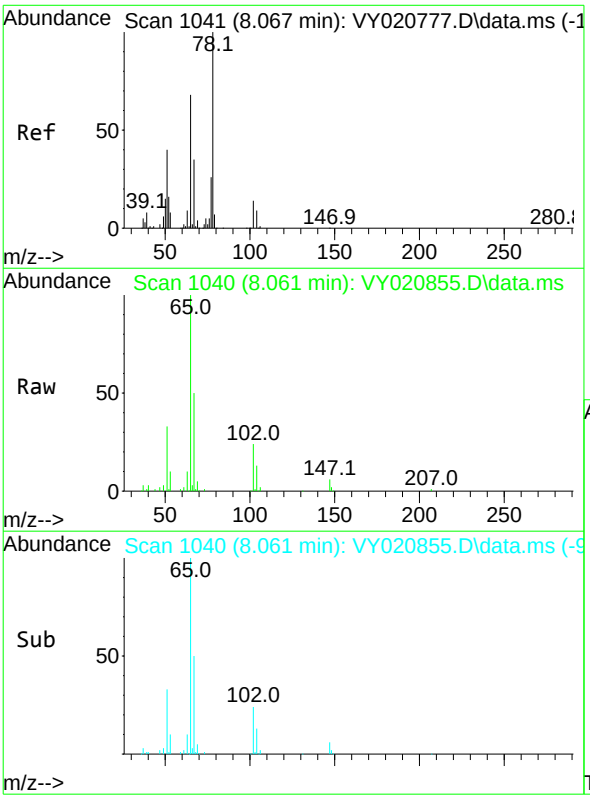
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-01152025RE

Tgt Ion:168 Resp: 81940

Ion	Ratio	Lower	Upper
168	100		
99	54.3	44.3	66.5

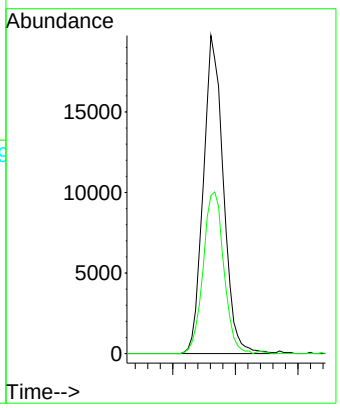


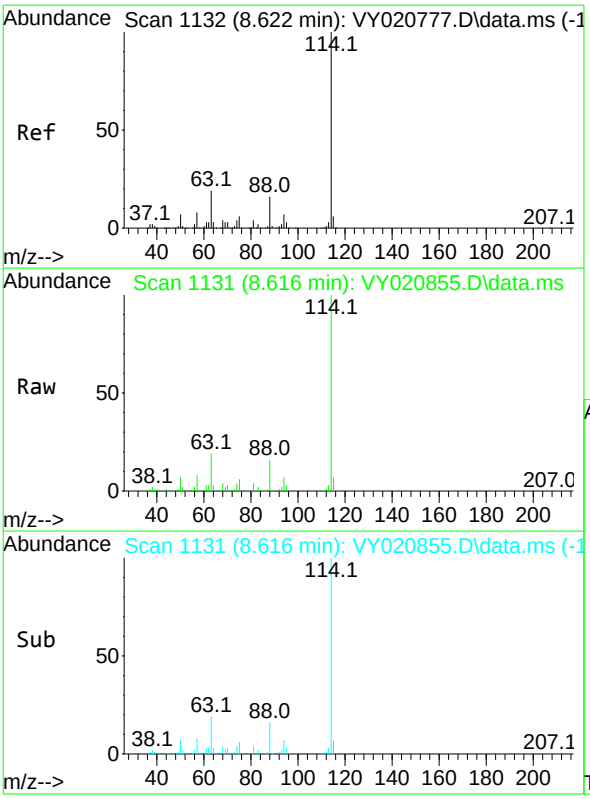


#33
1,2-Dichloroethane-d4
Concen: 63.075 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Tgt Ion: 65 Resp: 43929

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.8



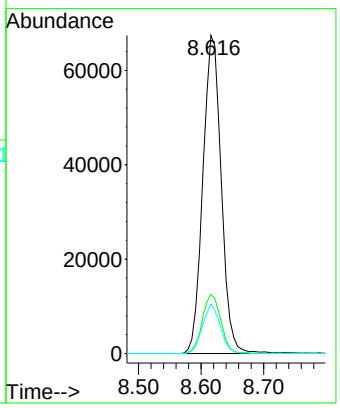


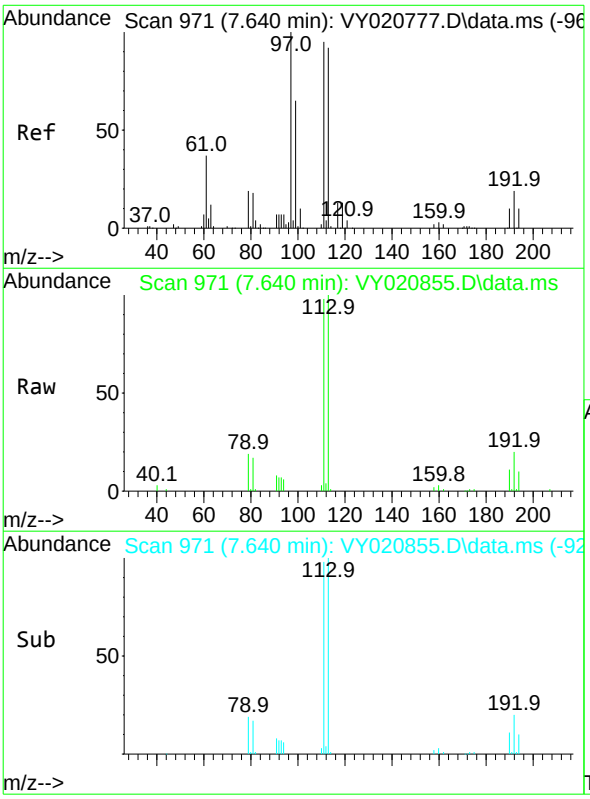
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-01152025RE

Tgt Ion:114 Resp: 137493

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	15.5	0.0	31.2

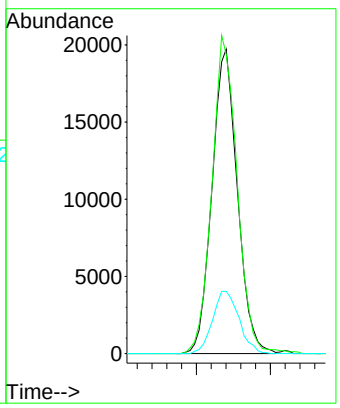


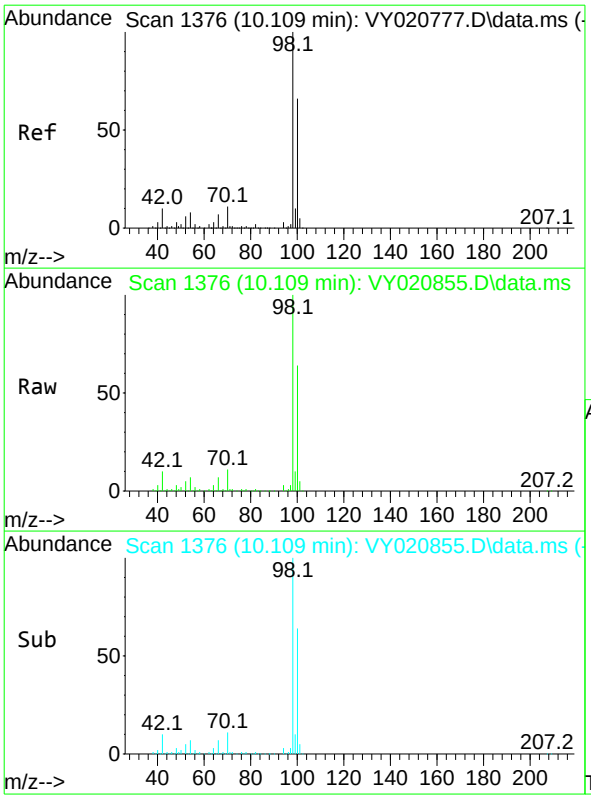


#35
Dibromofluoromethane
Concen: 54.443 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Tgt Ion:113 Resp: 46896

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.7	122.5
192	21.3	16.7	25.1



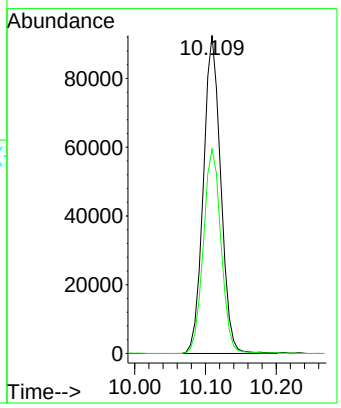


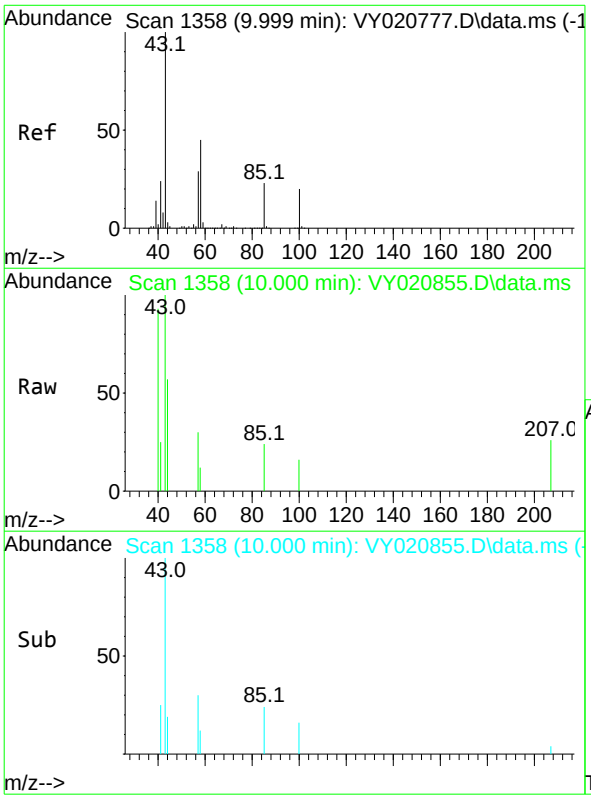
#50
Toluene-d8
Concen: 52.556 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-01152025RE

Tgt Ion: 98 Resp: 157814

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.5	78.7

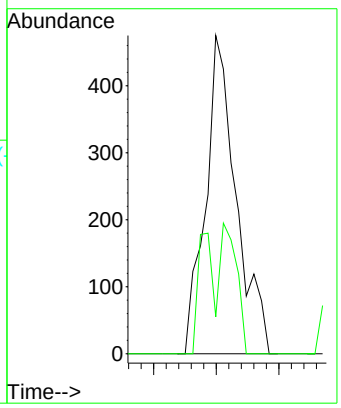


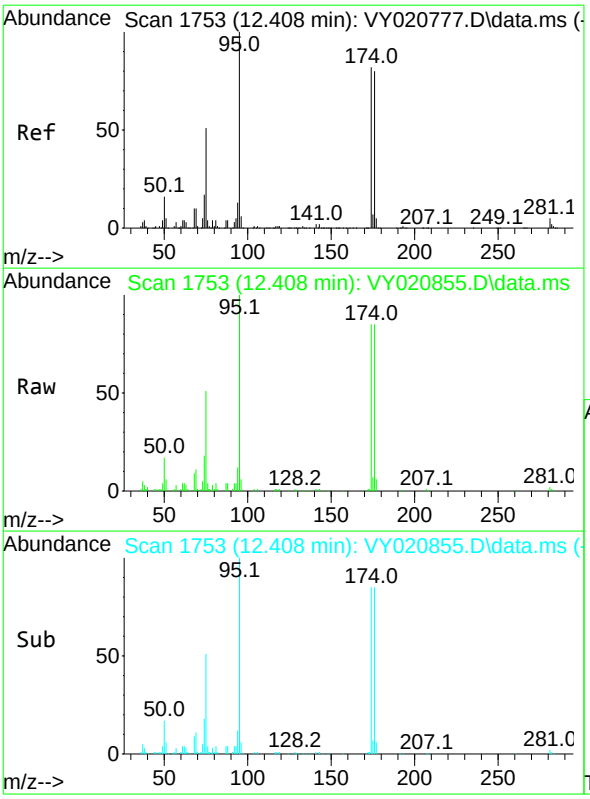


#51
4-Methyl-2-Pentanone
Concen: 1.814 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Tgt Ion: 43 Resp: 806

Ion	Ratio	Lower	Upper
43	100		
58	22.0	34.8	52.2#



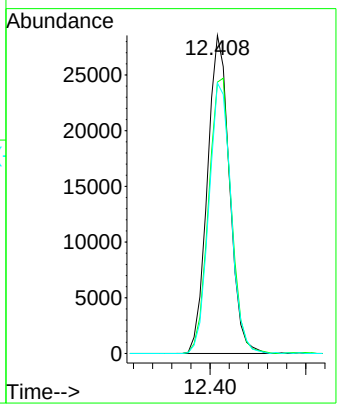


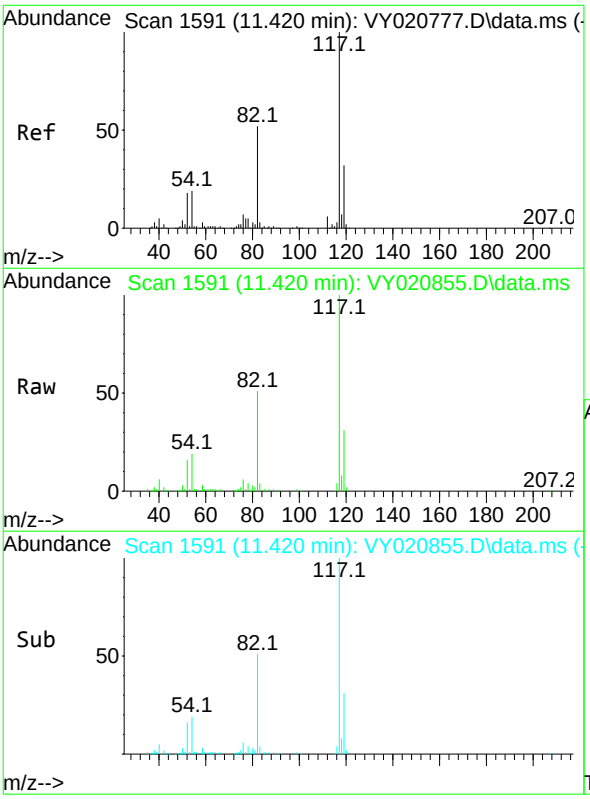
#62
4-Bromofluorobenzene
Concen: 41.192 ug/l
RT: 12.408 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-01152025RE

Tgt Ion: 95 Resp: 45677

Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	178.0
176	85.2	0.0	172.0

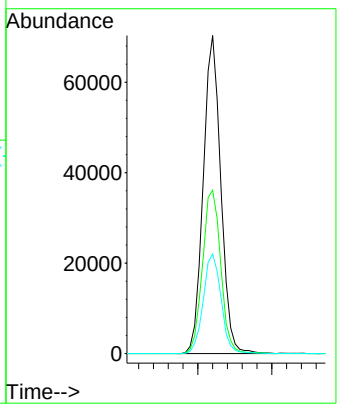


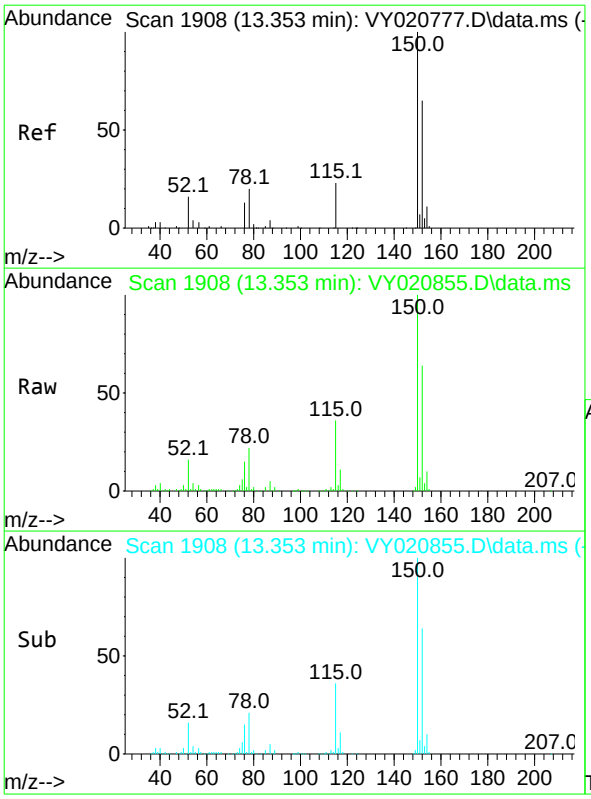


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Tgt Ion:117 Resp: 116042

Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.8	62.6
119	31.3	25.8	38.8



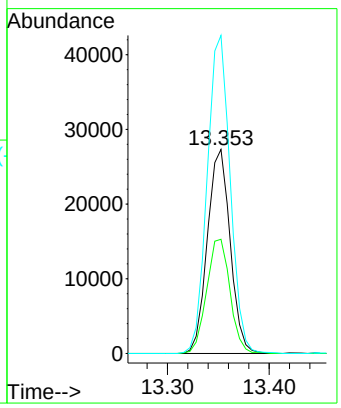


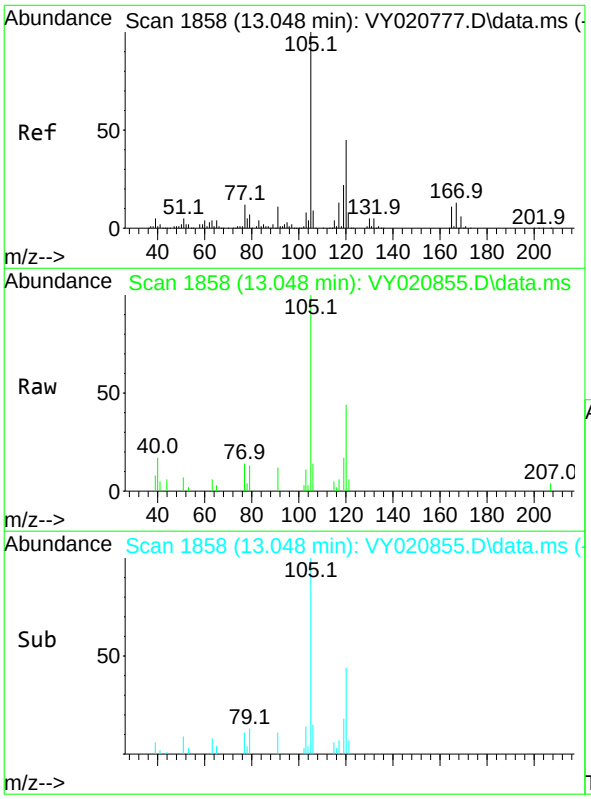
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-01152025RE

Tgt Ion:152 Resp: 42625

Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.0	87.0
150	156.8	0.0	347.4





#84
1,2,4-Trimethylbenzene
Concen: 1.688 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY020855.D
Acq: 17 Jan 2025 15:10

Tgt Ion:105 Resp: 4518

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.2