Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010825\
Data File : VY020806.D
Acq On : 08 Jan 2025 13:00
Operator : SY/MD
Sample : Q1029-03
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-01072025

Quant Time: Jan 09 00:20:55 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	7.719	168	37186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	55819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	40647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	14452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	15350	48.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.140%			
35) Dibromofluoromethane	7.646	113	17591	50.303	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.115	98	61552	50.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.414	95	15363	34.126	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 68.260%			
Target Compounds						Qvalue
80) 1,3,5-Trimethylbenzene	12.749	105	2355	2.535	ug/l	99
84) 1,2,4-Trimethylbenzene	13.054	105	8289	9.135	ug/l	98
85) sec-Butylbenzene	13.182	105	1891	1.558	ug/l	92
86) p-Isopropyltoluene	13.304	119	1504	1.452	ug/l	93
89) n-Butylbenzene	13.621	91	2038	2.269	ug/l #	77

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

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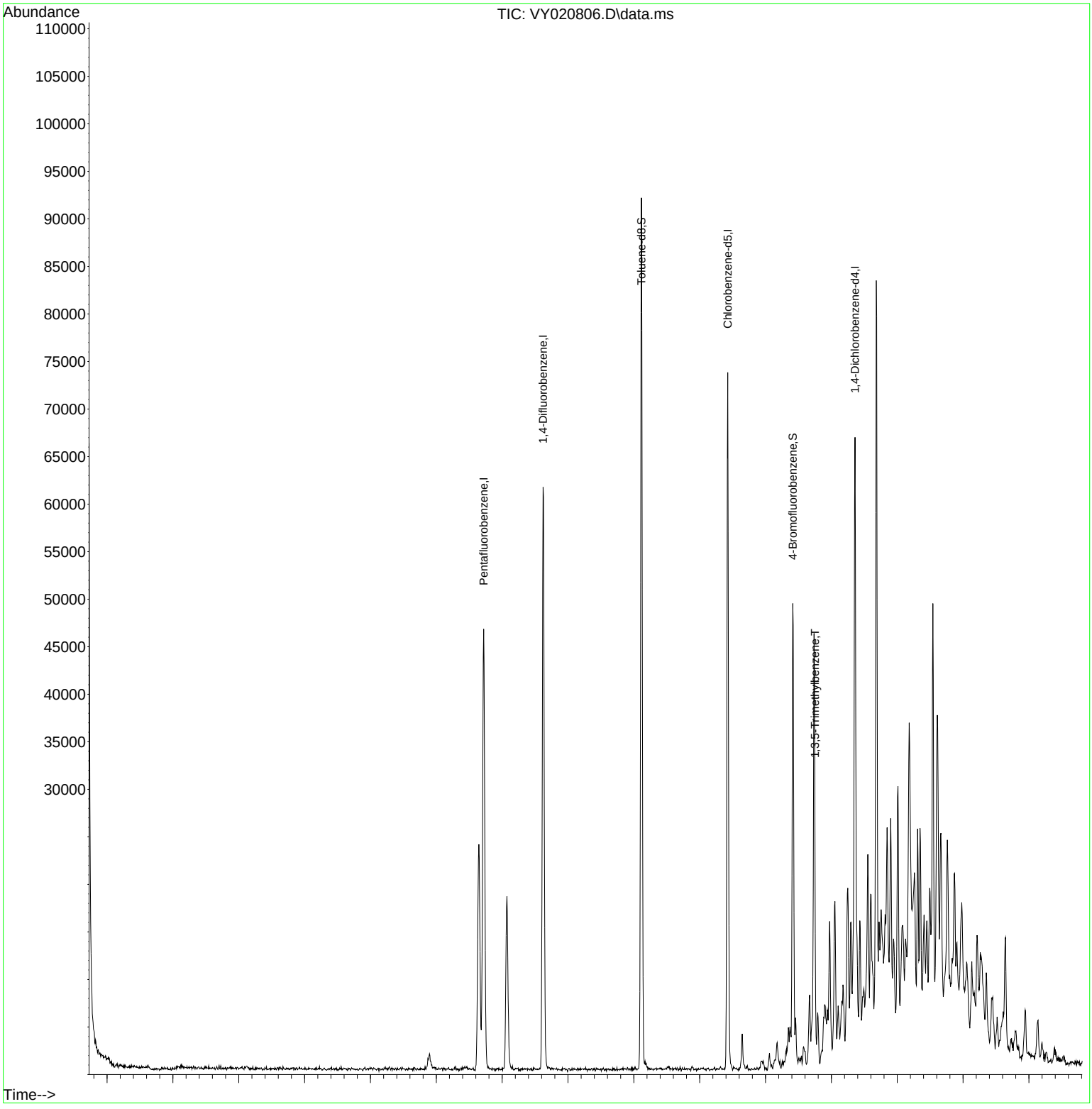
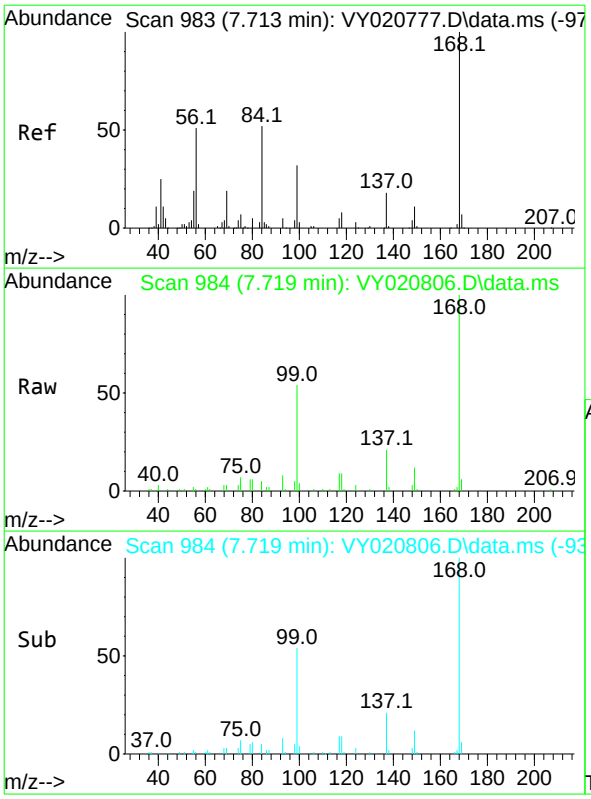


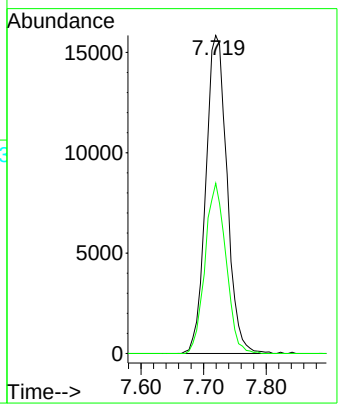


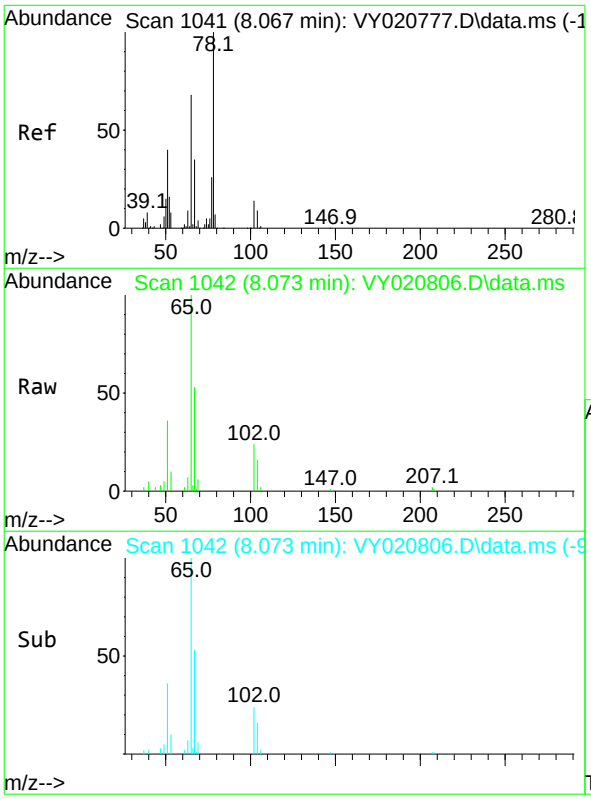
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-01072025

Tgt Ion:168 Resp: 37186

Ion	Ratio	Lower	Upper
168	100		
99	53.5	44.3	66.5

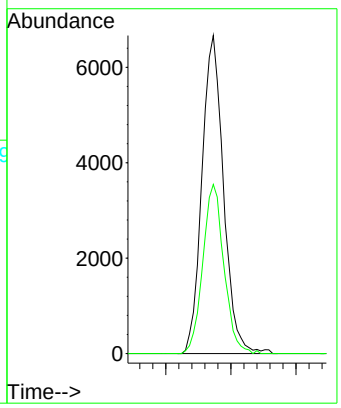


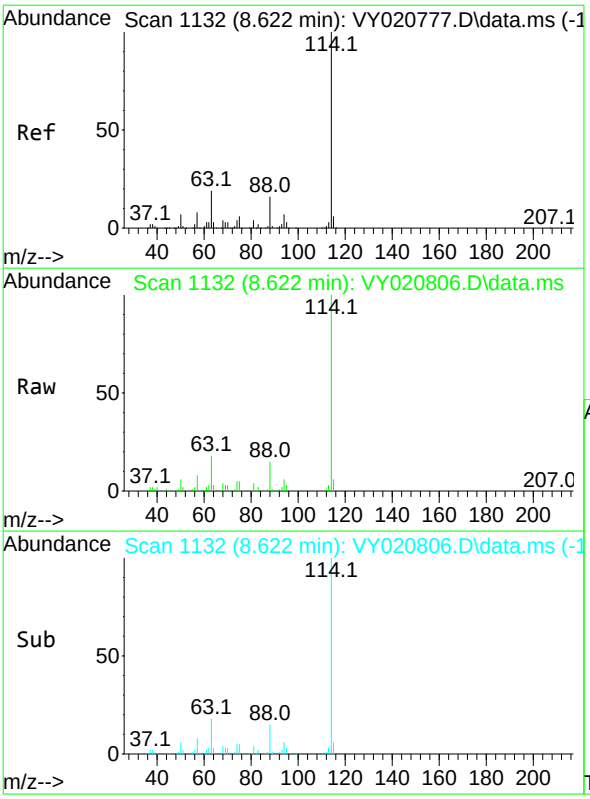


#33
1,2-Dichloroethane-d4
Concen: 48.565 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion: 65 Resp: 15350

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.8



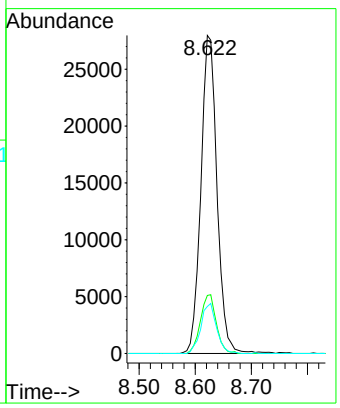


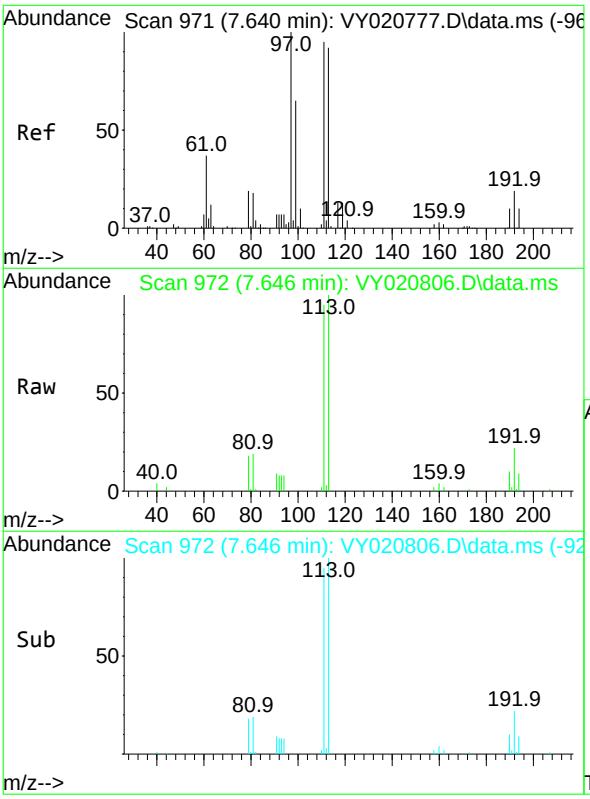
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-01072025

Tgt Ion:114 Resp: 55819

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.4
88	14.8	0.0	31.2

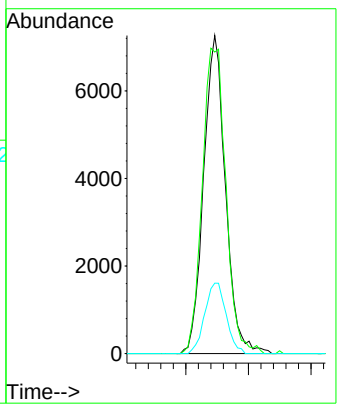


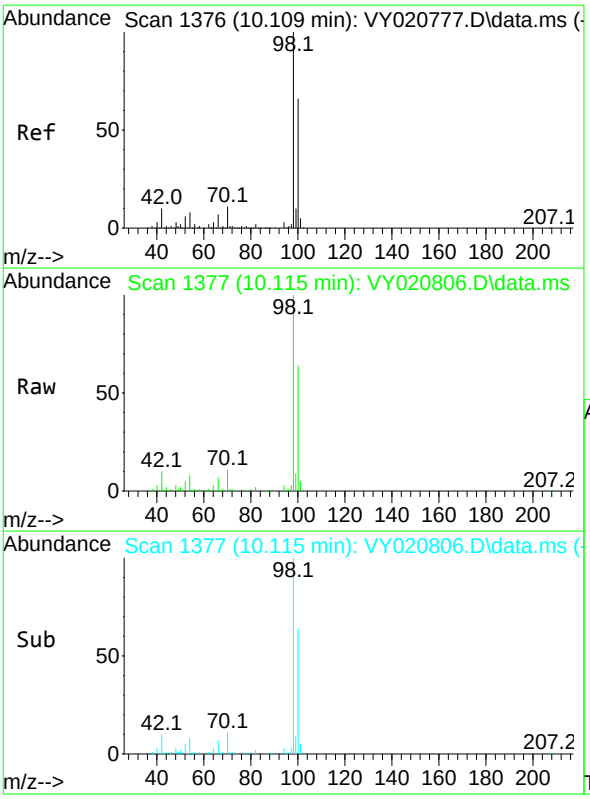


#35
Dibromofluoromethane
Concen: 50.303 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion:113 Resp: 17591

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.7	122.5
192	21.7	16.7	25.1



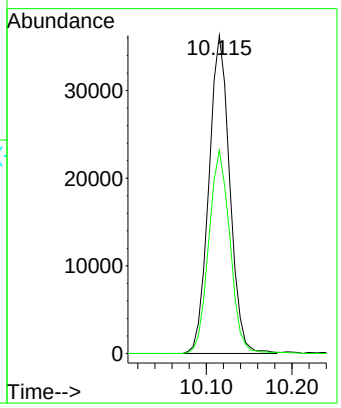


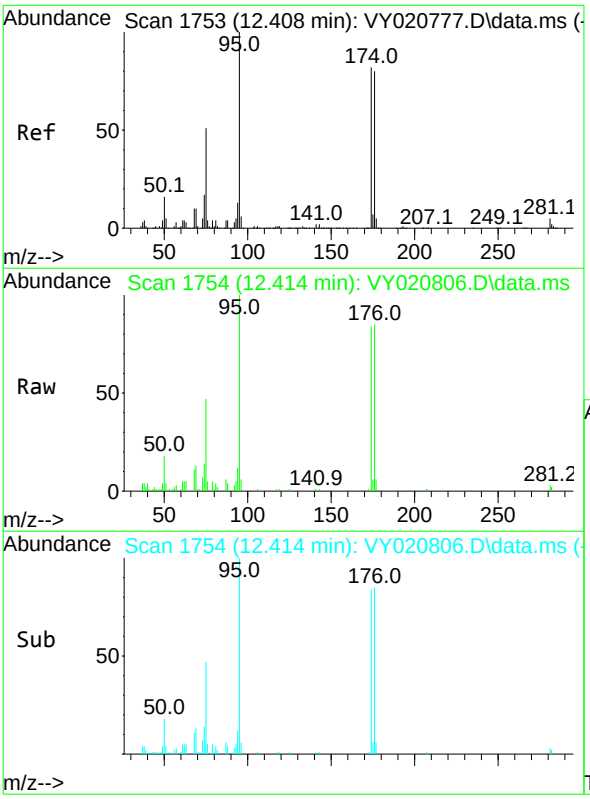
#50
Toluene-d8
Concen: 50.491 ug/l
RT: 10.115 min Scan# 13
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-01072025

Tgt Ion: 98 Resp: 61552

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.5	78.7

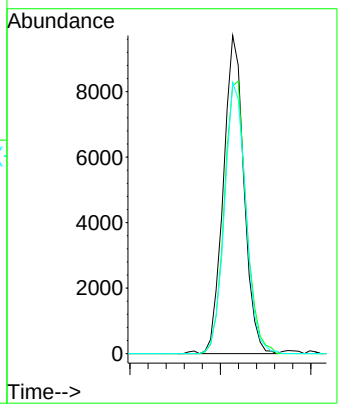


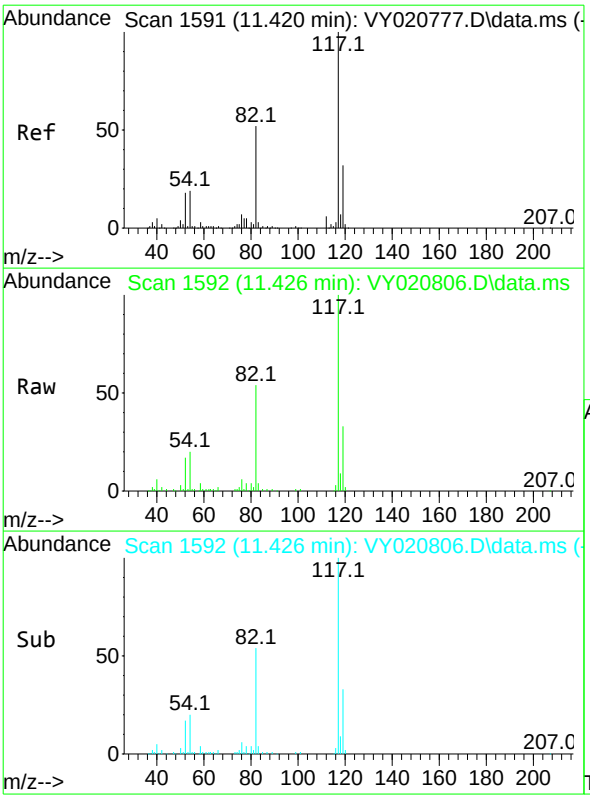


#62
4-Bromofluorobenzene
Concen: 34.126 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion: 95 Resp: 15363

Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	178.0
176	88.1	0.0	172.0



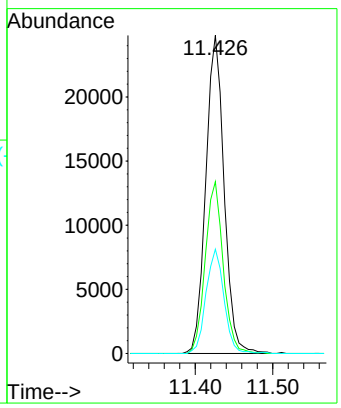


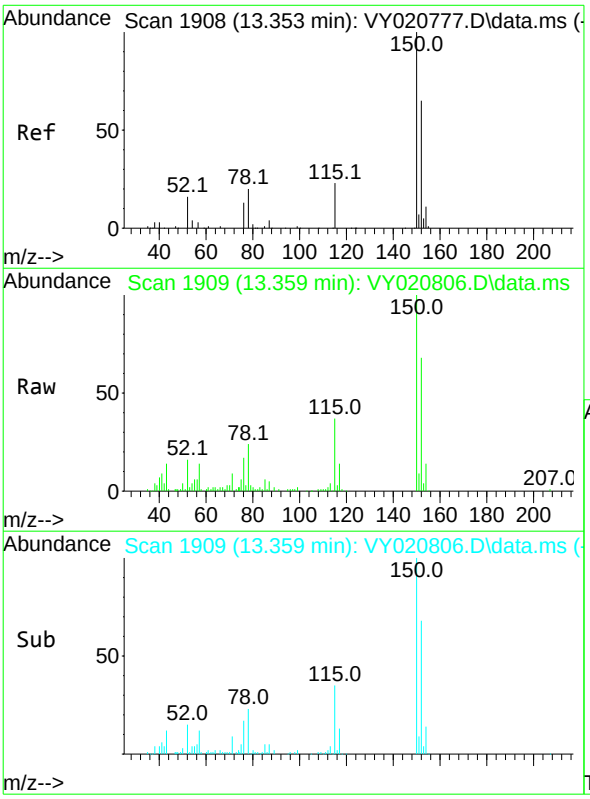
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-01072025

Tgt Ion:117 Resp: 40647

Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.8	62.6
119	32.8	25.8	38.8

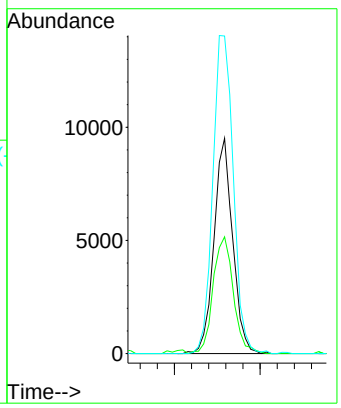


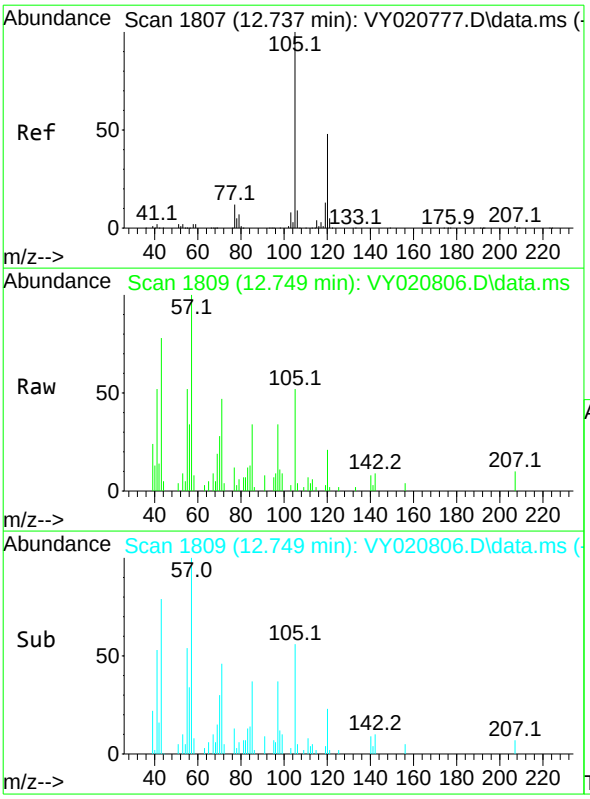


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion:152 Resp: 14452

Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.0	87.0
150	161.4	0.0	347.4



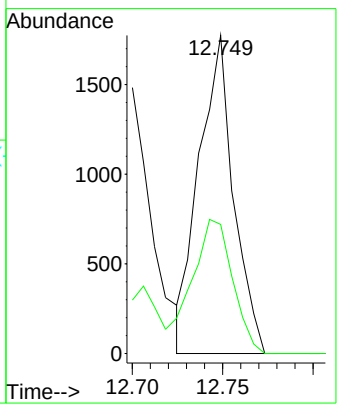


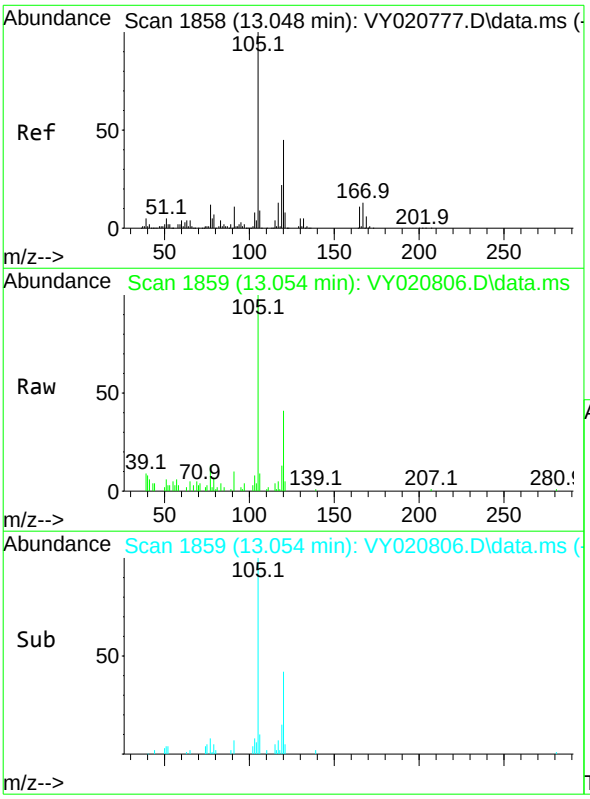
#80
1,3,5-Trimethylbenzene
Concen: 2.535 ug/l
RT: 12.749 min Scan# 18
Delta R.T. 0.012 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-01072025

Tgt Ion:105 Resp: 2355

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.5	73.5

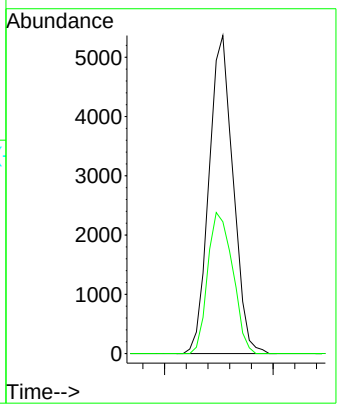


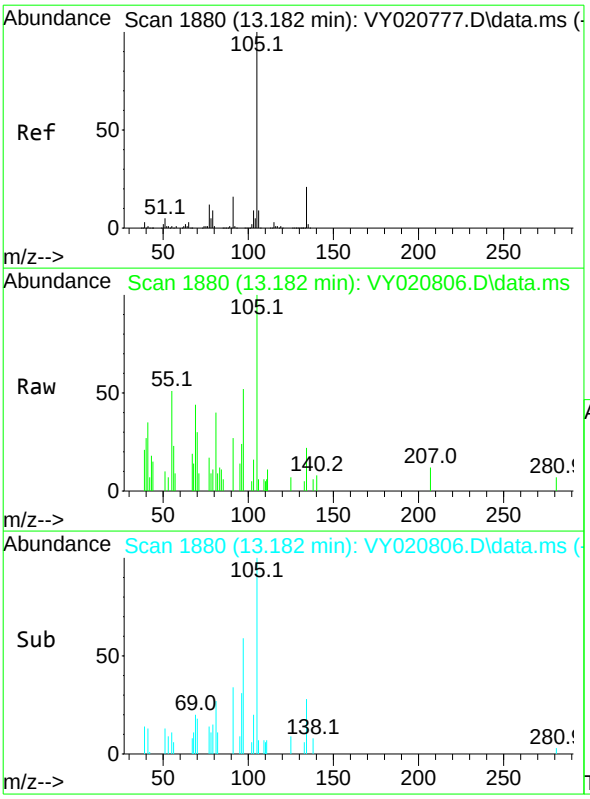


#84
1,2,4-Trimethylbenzene
Concen: 9.135 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion:105 Resp: 8289

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.4	67.2



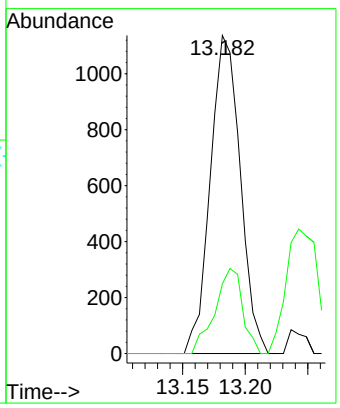


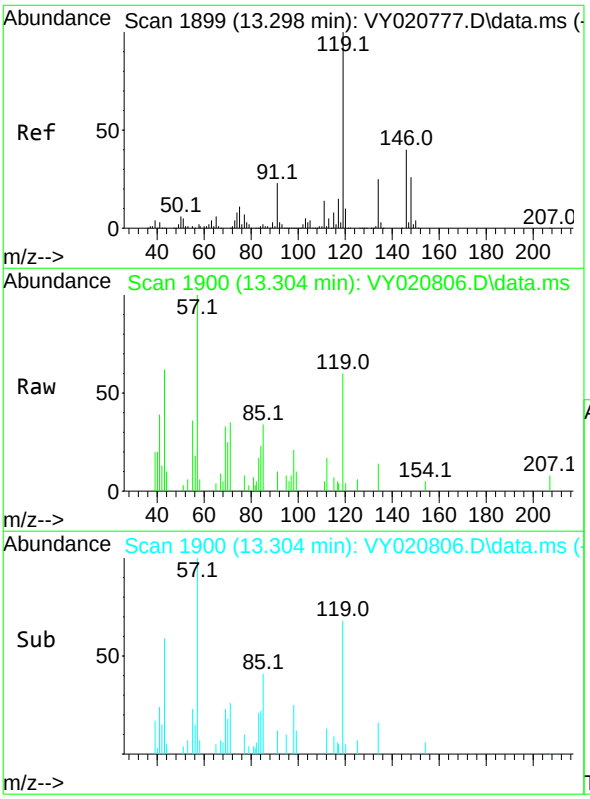
#85
sec-Butylbenzene
Concen: 1.558 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-01072025

Tgt Ion:105 Resp: 1891

Ion	Ratio	Lower	Upper
105	100		
134	24.7	10.5	31.5

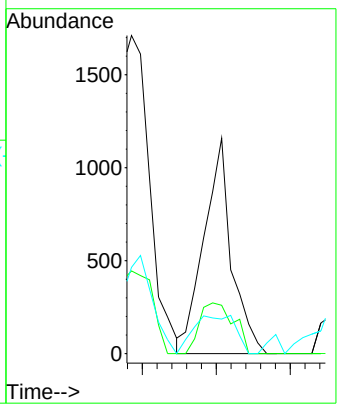


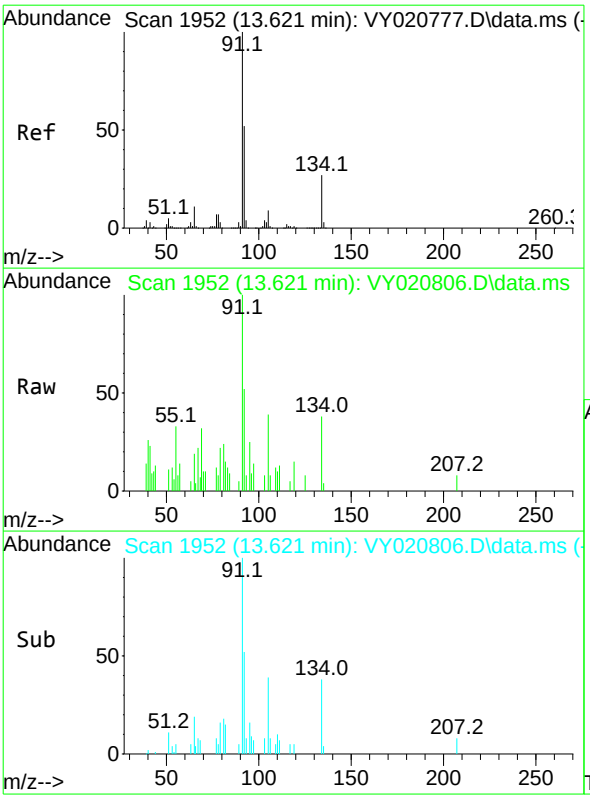


#86
p-Isopropyltoluene
Concen: 1.452 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Tgt Ion:119 Resp: 1504

Ion	Ratio	Lower	Upper
119	100		
134	29.4	13.0	38.9
91	26.9	11.8	35.3





#89
n-Butylbenzene
Concen: 2.269 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020806.D
Acq: 08 Jan 2025 13:00

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-01072025

Tgt Ion: 91 Resp: 2038

Ion	Ratio	Lower	Upper
91	100		
92	57.7	26.5	79.4
134	0.0	13.8	41.4#