Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
Data File : VY020968.D
Acq On : 29 Jan 2025 16:42
Operator : SY/MD
Sample : Q1220-01
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

Quant Time: Jan 30 02:33:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	208160	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	320265	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	255695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	111338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80108	48.267	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.540%			
35) Dibromofluoromethane	7.634	113	85474	46.489	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.980%			
50) Toluene-d8	10.109	98	308776	43.297	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.600%			
62) 4-Bromofluorobenzene	12.408	95	91366	38.495	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 77.000%			
Target Compounds						Qvalue
16) Acetone	3.860	43	2312	10.282	ug/l #	75
80) 1,3,5-Trimethylbenzene	12.737	105	12289	1.994	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	56683	9.345	ug/l	100
85) sec-Butylbenzene	13.176	105	9032	1.115	ug/l	89
89) n-Butylbenzene	13.621	91	11267	1.866	ug/l #	74

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

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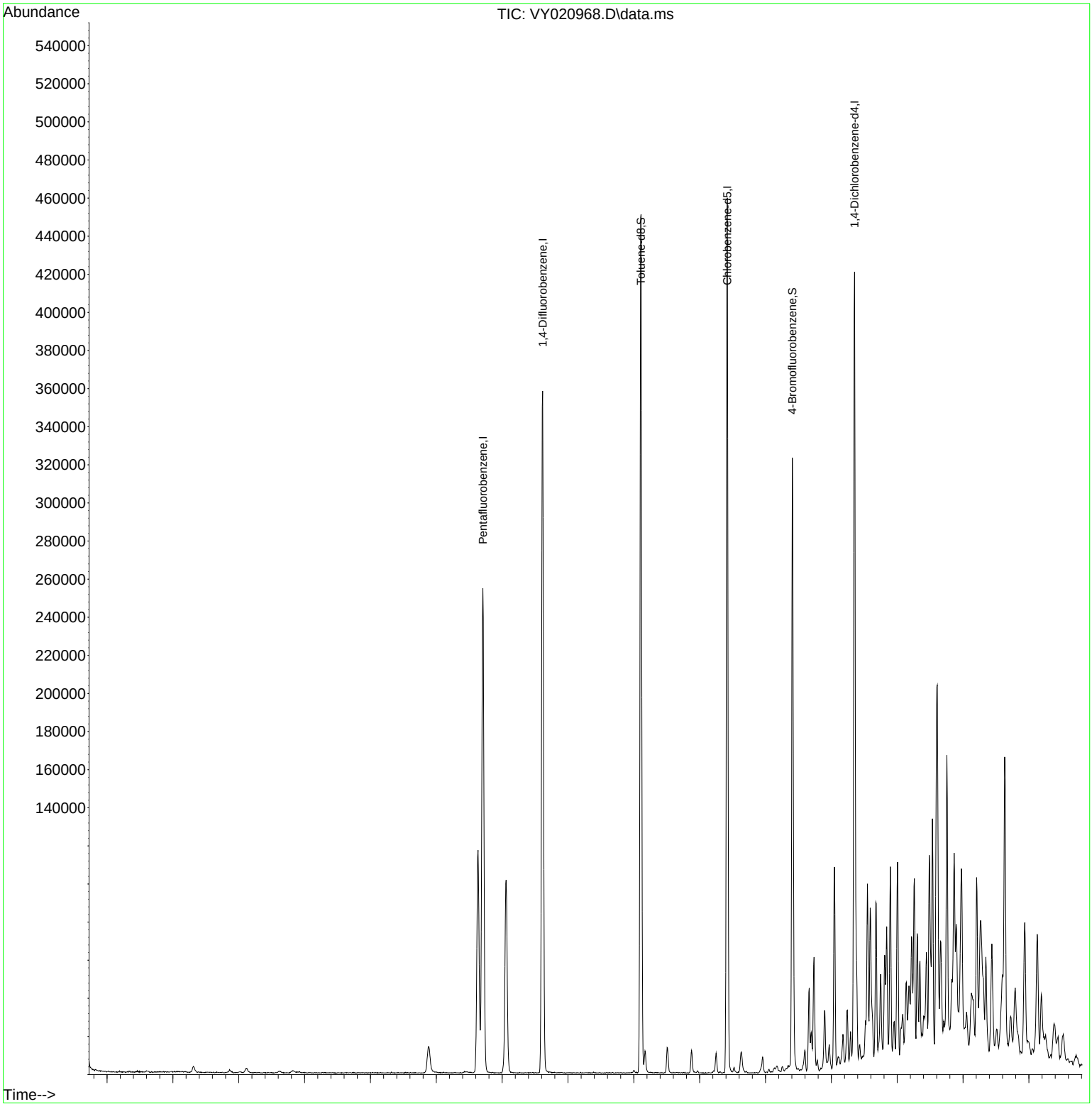
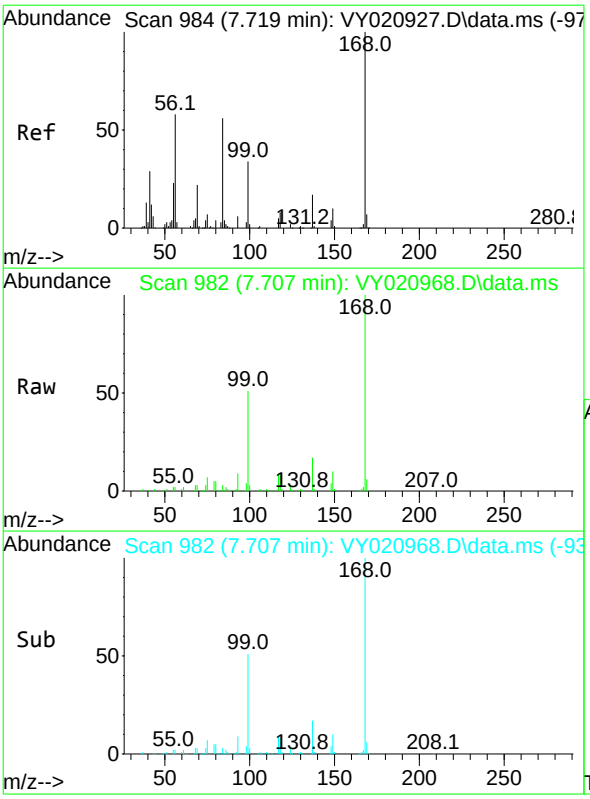


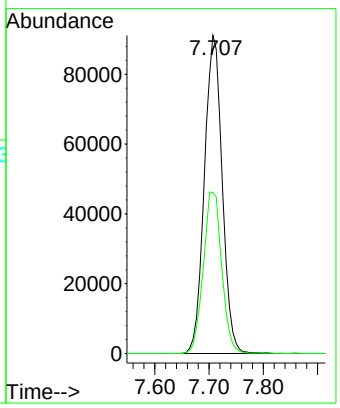


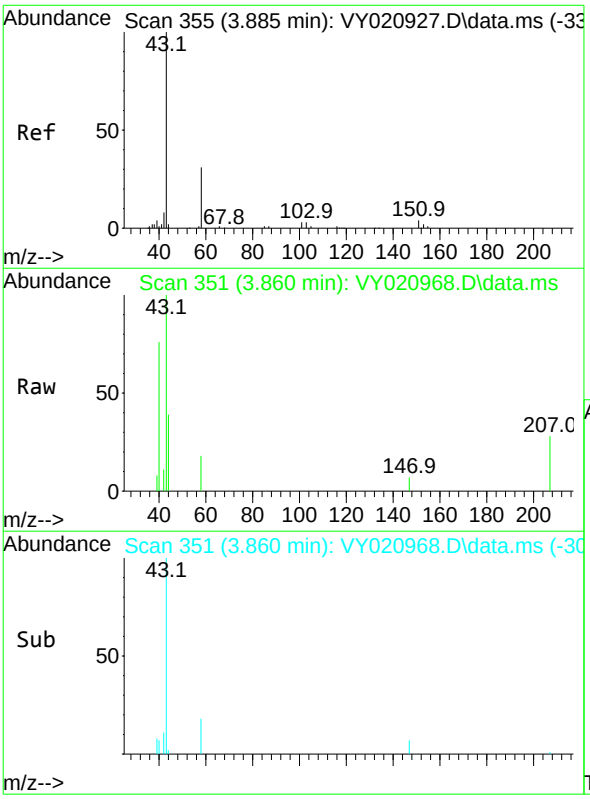
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

Tgt Ion:168 Resp: 208160

Ion	Ratio	Lower	Upper
168	100		
99	50.6	43.0	64.6

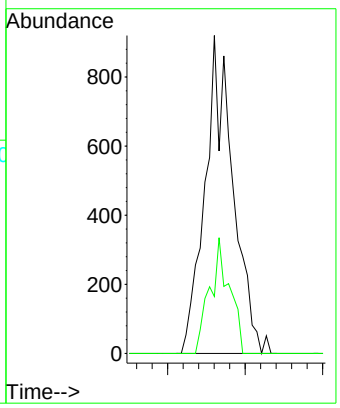


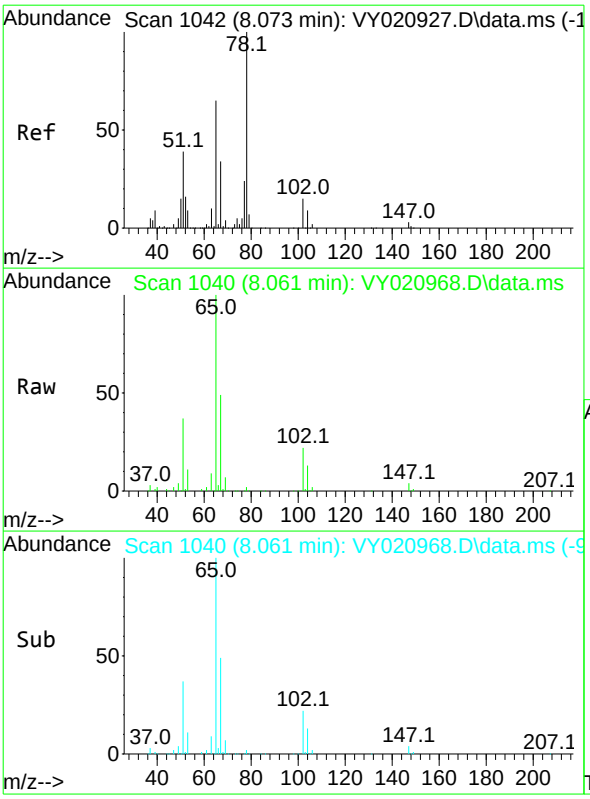


#16
Acetone
Concen: 10.282 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.024 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Tgt Ion: 43 Resp: 2312

Ion	Ratio	Lower	Upper
43	100		
58	17.9	25.6	38.4#



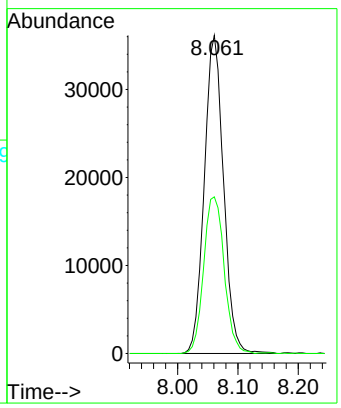


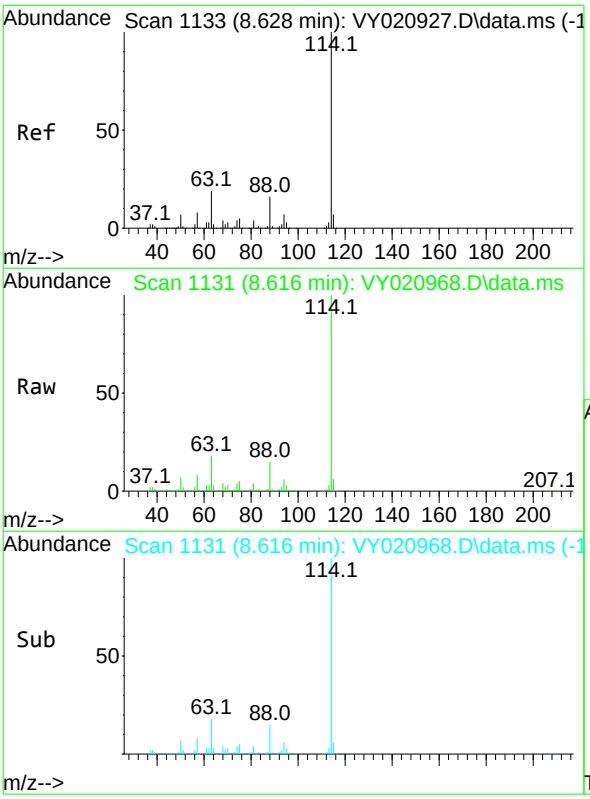
#33
1,2-Dichloroethane-d4
Concen: 48.267 ug/l
RT: 8.061 min Scan# 10
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

Tgt Ion: 65 Resp: 80108

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.8

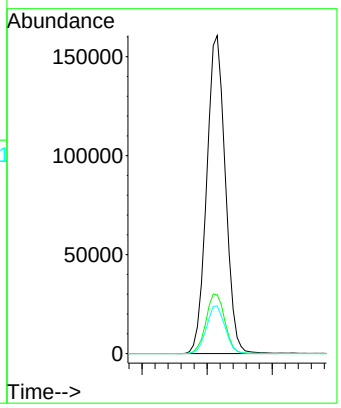


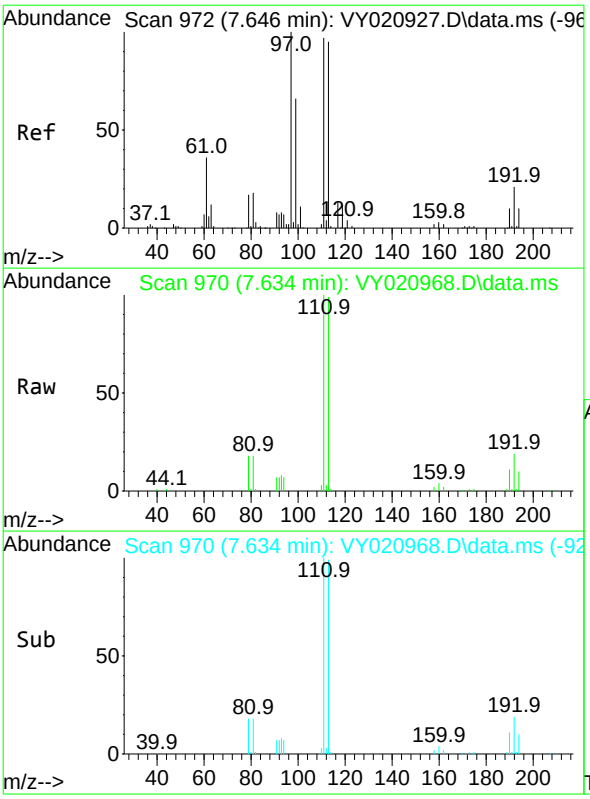


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Tgt Ion:114 Resp: 320265

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	38.4
88	15.0	0.0	31.6



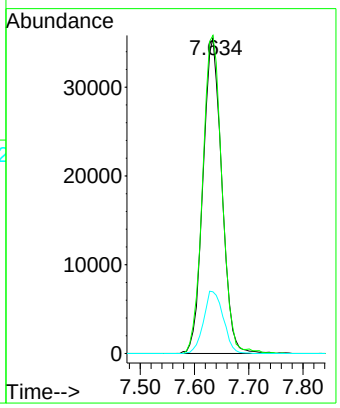


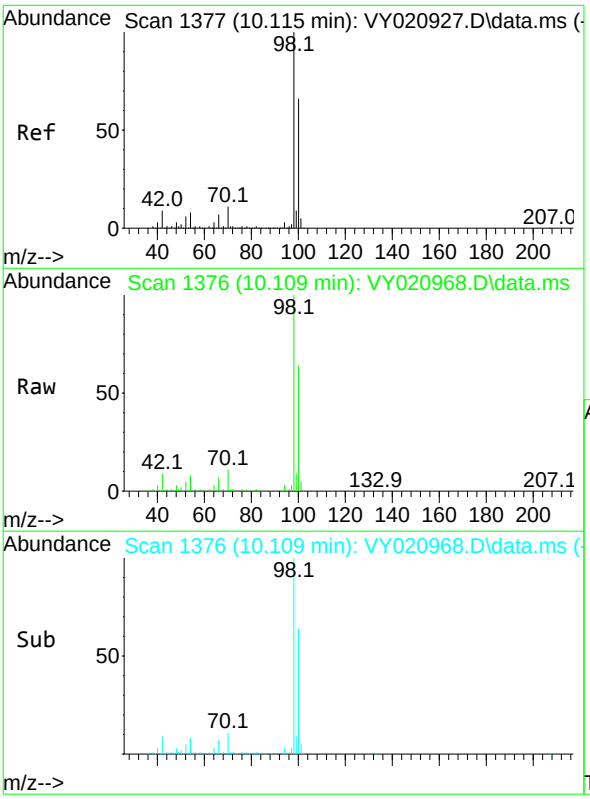
#35
Dibromofluoromethane
Concen: 46.489 ug/l
RT: 7.634 min Scan# 97
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

Tgt Ion:113 Resp: 85474

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.3	123.5
192	20.7	17.4	26.2

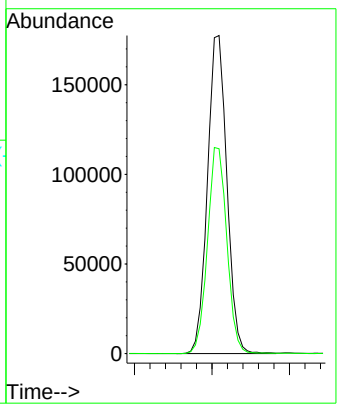


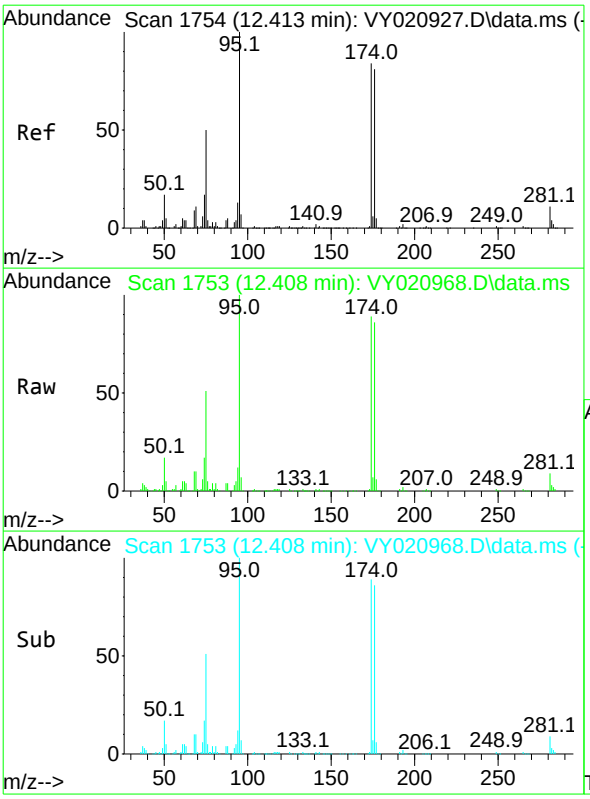


#50
Toluene-d8
Concen: 43.297 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Tgt Ion: 98 Resp: 308776

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.3	78.5



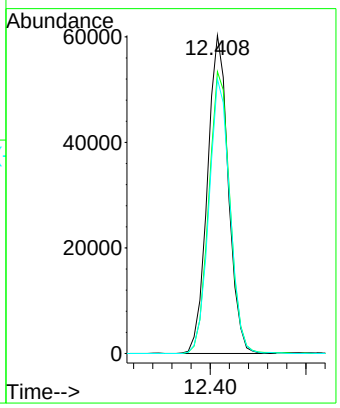


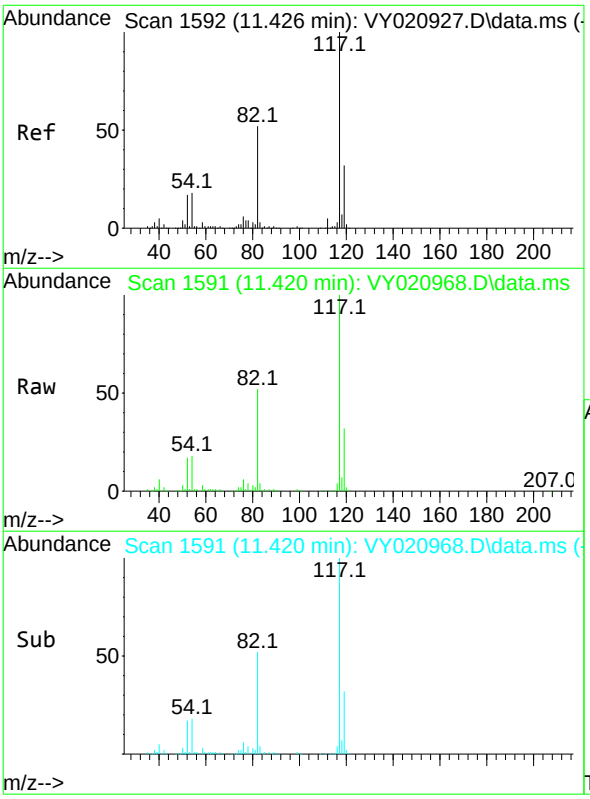
#62
4-Bromofluorobenzene
Concen: 38.495 ug/l
RT: 12.408 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

Tgt Ion: 95 Resp: 91366

Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	177.4
176	86.5	0.0	172.2

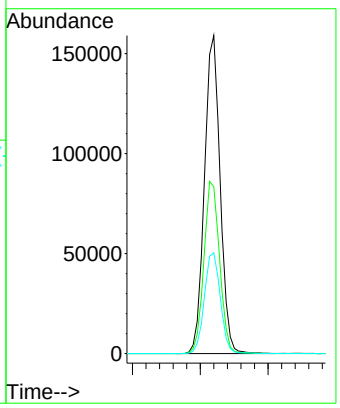


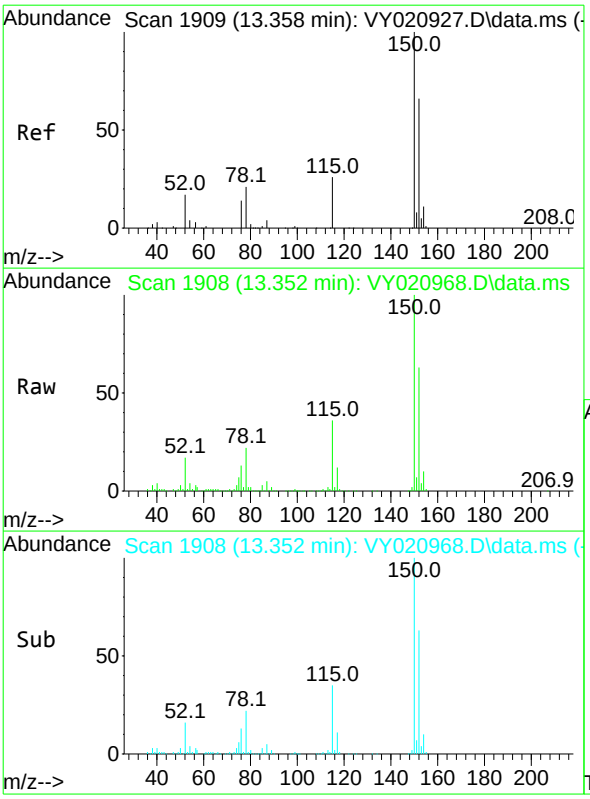


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Tgt Ion:117 Resp: 255695

Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	31.7	26.0	39.0



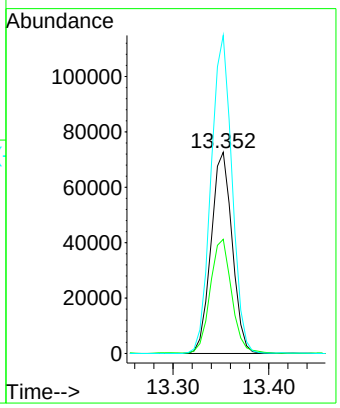


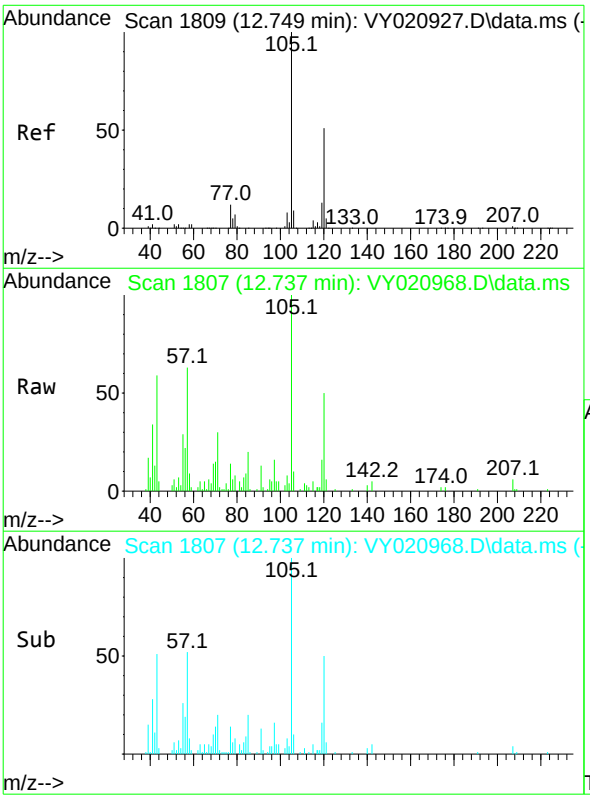
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

Tgt Ion:152 Resp: 111338

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.0	87.0
150	156.7	0.0	347.6

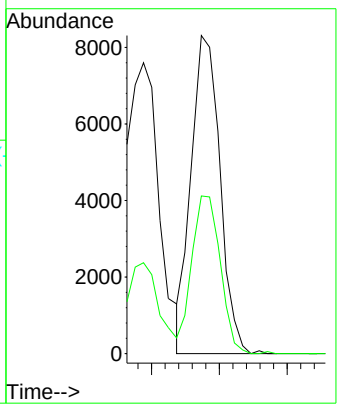


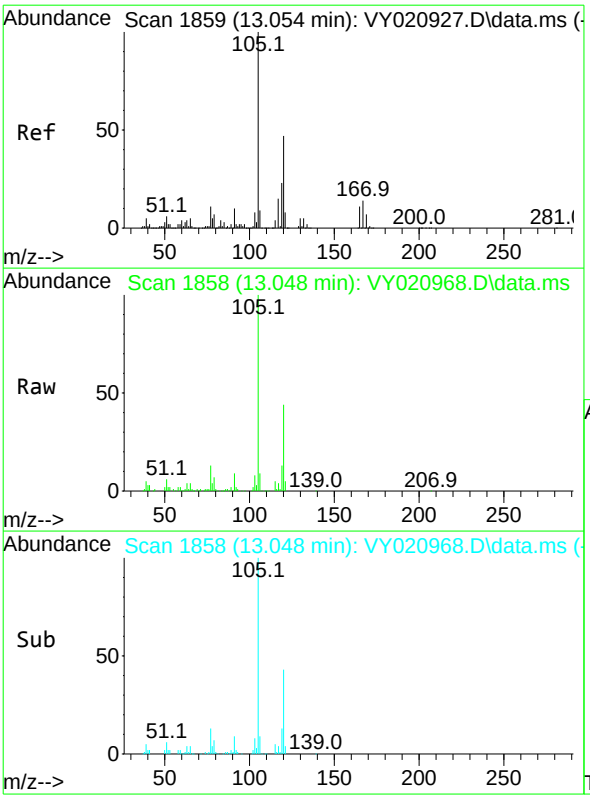


#80
1,3,5-Trimethylbenzene
Concen: 1.994 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Tgt Ion:105 Resp: 12289

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.9	74.6



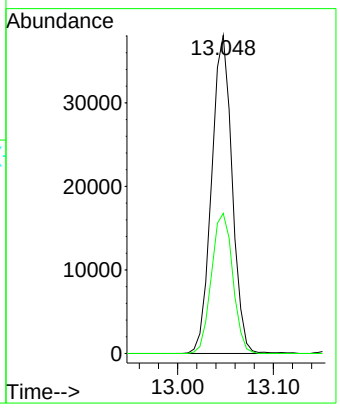


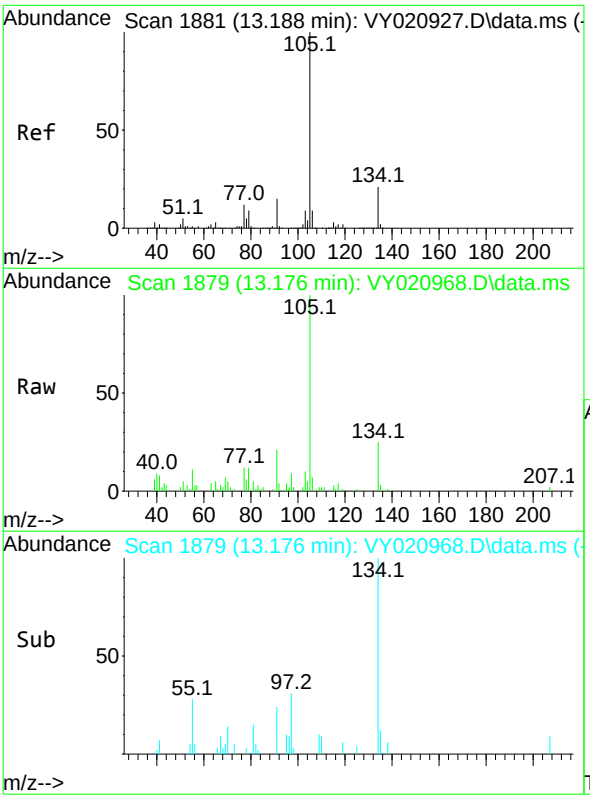
#84
1,2,4-Trimethylbenzene
Concen: 9.345 ug/l
RT: 13.048 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

Tgt Ion:105 Resp: 56683

Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.7

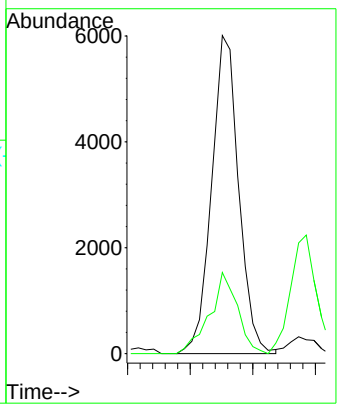


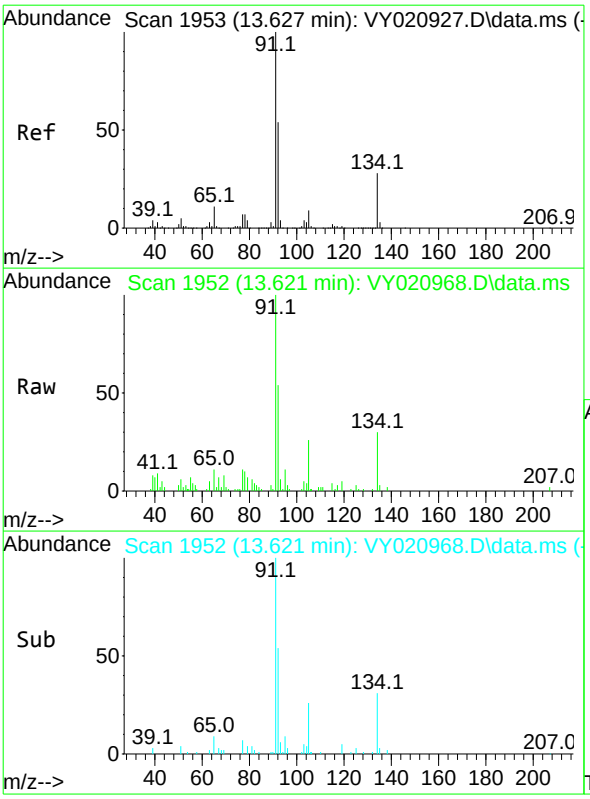


#85
sec-Butylbenzene
Concen: 1.115 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.012 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Tgt Ion:105 Resp: 9032

Ion	Ratio	Lower	Upper
105	100		
134	26.1	10.4	31.4





#89
n-Butylbenzene
Concen: 1.866 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020968.D
Acq: 29 Jan 2025 16:42

Instrument :
MSVOA_Y
ClientSampleId :
TR-06-01292025

Tgt Ion: 91 Resp: 11267

Ion	Ratio	Lower	Upper
91	100		
92	62.5	26.8	80.3
134	0.0	13.8	41.4#