Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021457.D
Acq On : 07 Mar 2025 13:42
Operator : SY/MD
Sample : Q1463-02
Misc : 6.31g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Time: Mar 07 22:01:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	20508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	25440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	16741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	2730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	8731	40.280	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 80.560%			
35) Dibromofluoromethane	7.634	113	7109	42.513	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 85.020%			
50) Toluene-d8	10.109	98	24940	39.390	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 78.780%			
62) 4-Bromofluorobenzene	12.408	95	5178	24.042	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 48.080%			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	2323	8.755	ug/l	100
5) Bromomethane	2.611	94	2912	13.896	ug/l #	80
10) Methyl Iodide	4.007	142	4224	17.984	ug/l	95

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

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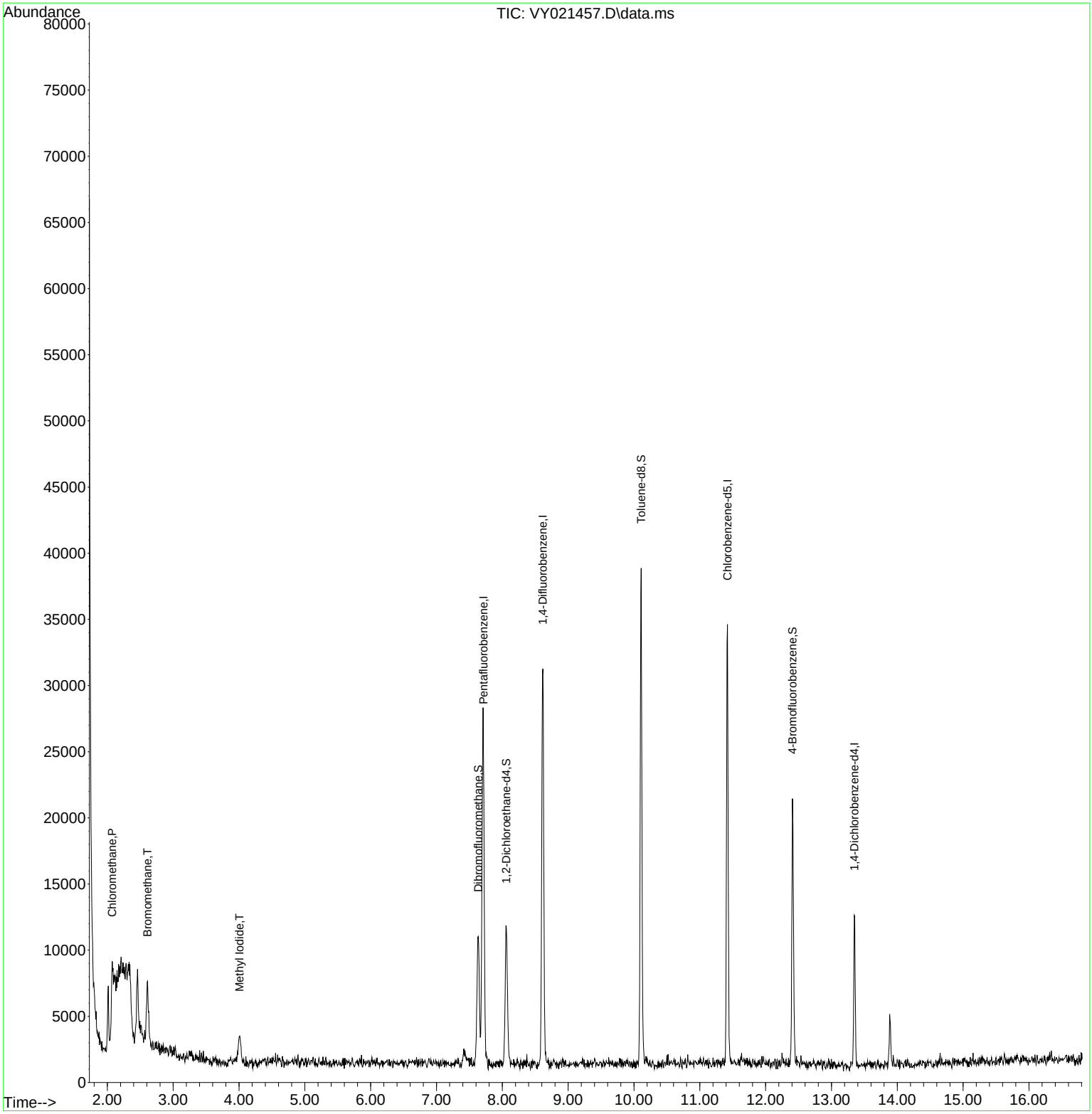
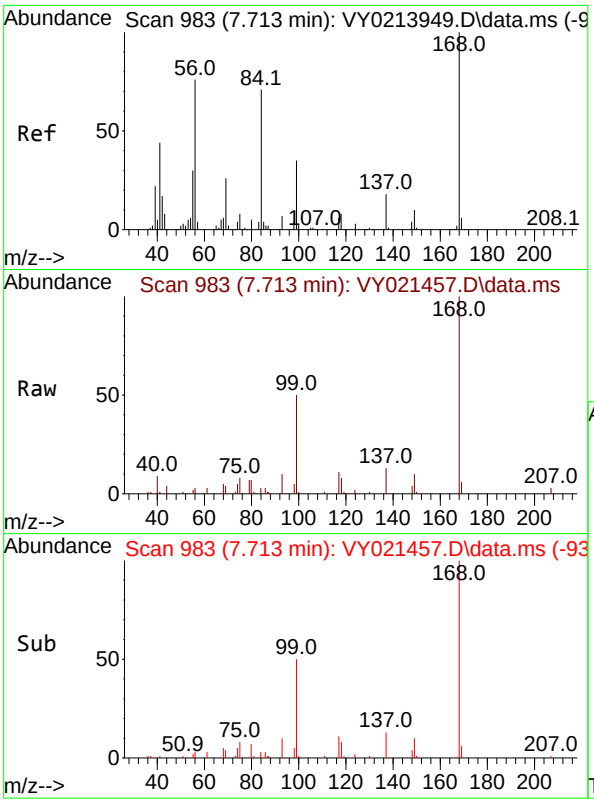


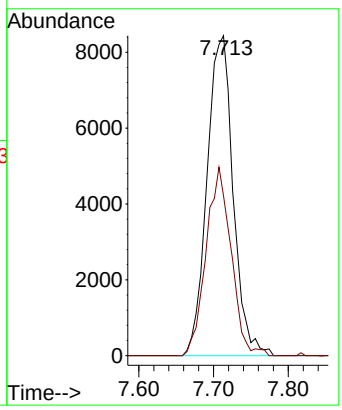


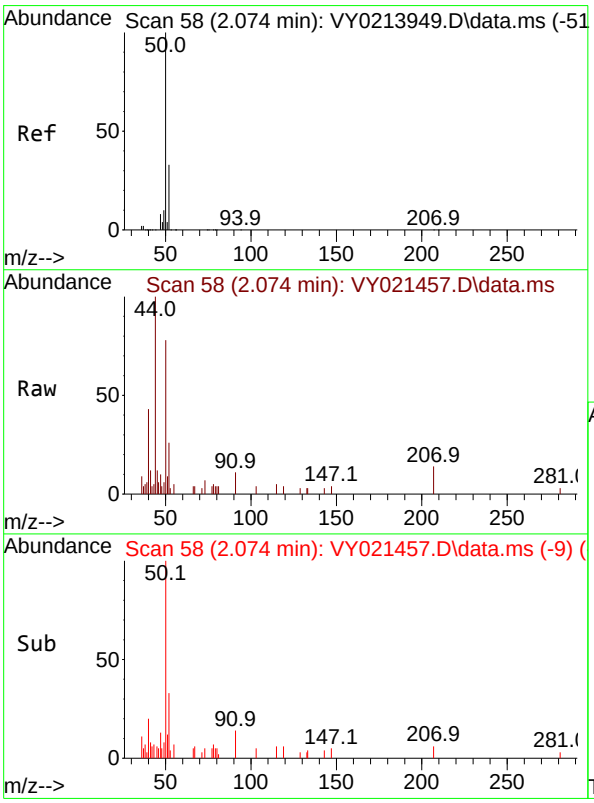
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:168 Resp: 20508

Ion	Ratio	Lower	Upper
168	100		
99	50.1	46.0	69.0

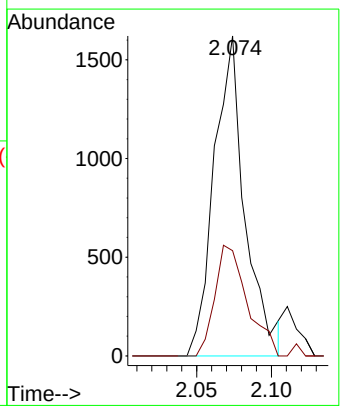


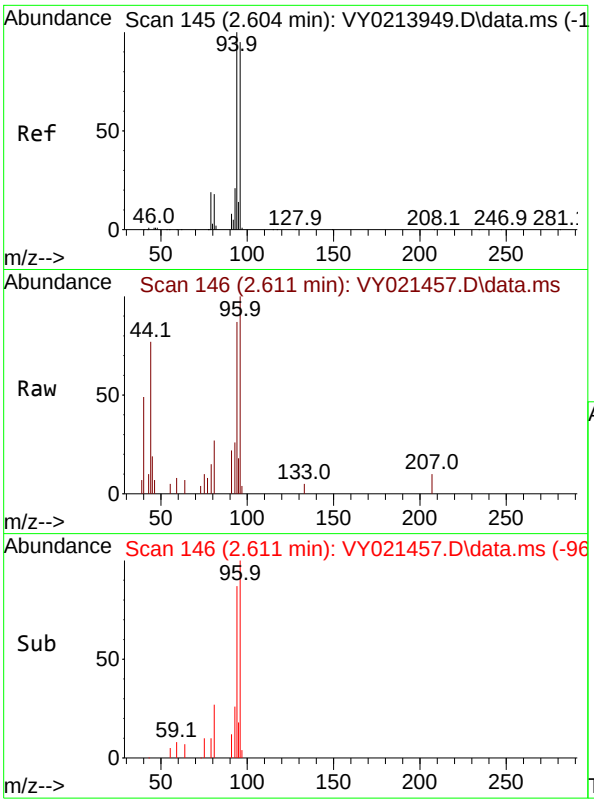


#3
Chloromethane
Concen: 8.755 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Tgt Ion: 50 Resp: 2323

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.2	39.2



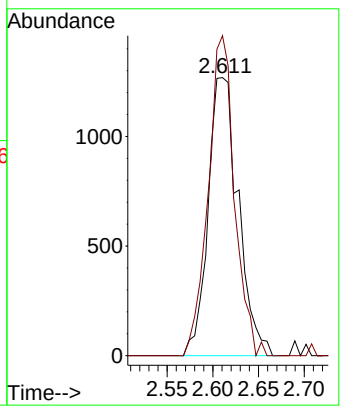


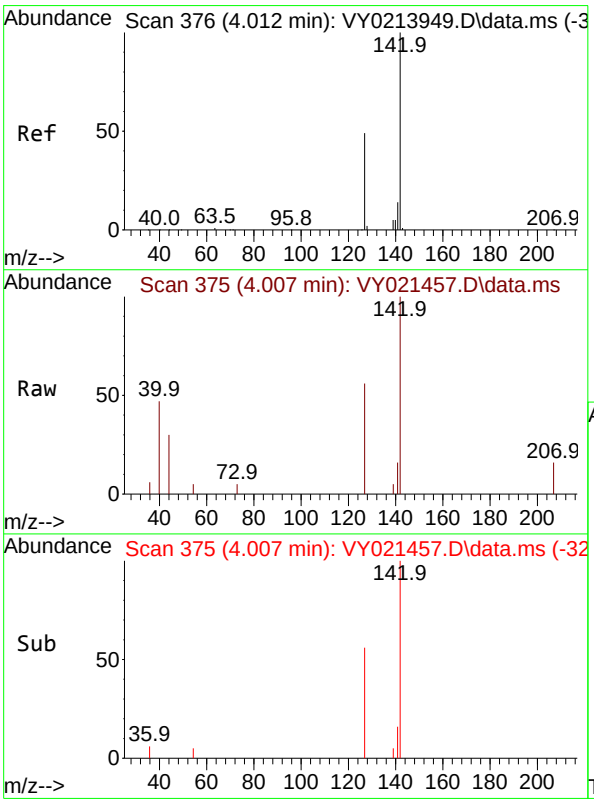
#5
Bromomethane
Concen: 13.896 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 94 Resp: 2912

Ion	Ratio	Lower	Upper
94	100		
96	115.1	76.3	114.5#

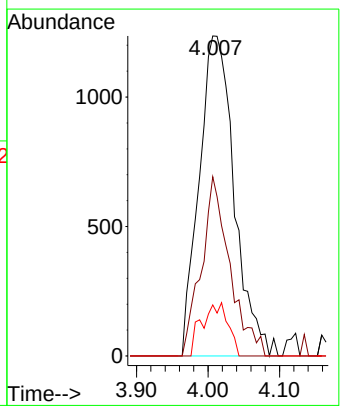


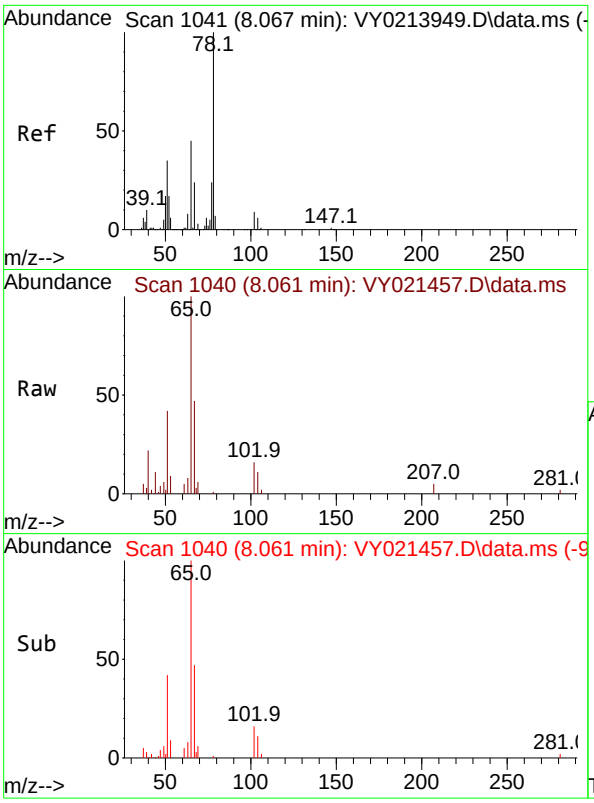


#10
Methyl Iodide
Concen: 17.984 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Tgt Ion:142 Resp: 4224

Ion	Ratio	Lower	Upper
142	100		
127	45.3	39.1	58.7
141	12.3	11.8	17.6



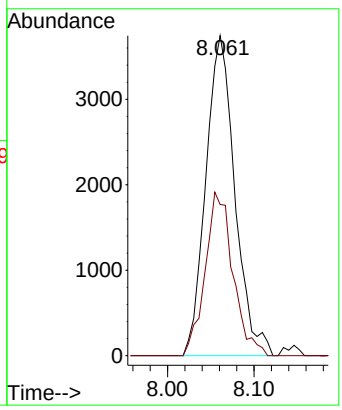


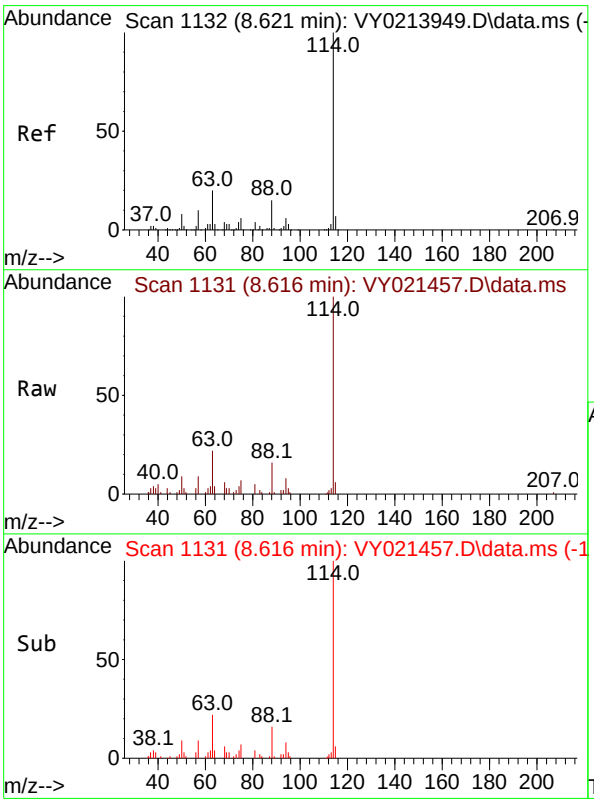
#33
1,2-Dichloroethane-d4
Concen: 40.280 ug/l
RT: 8.061 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 65 Resp: 8731

Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	102.8

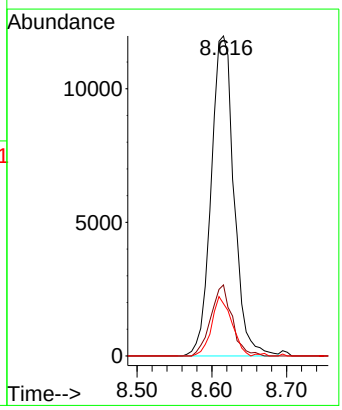


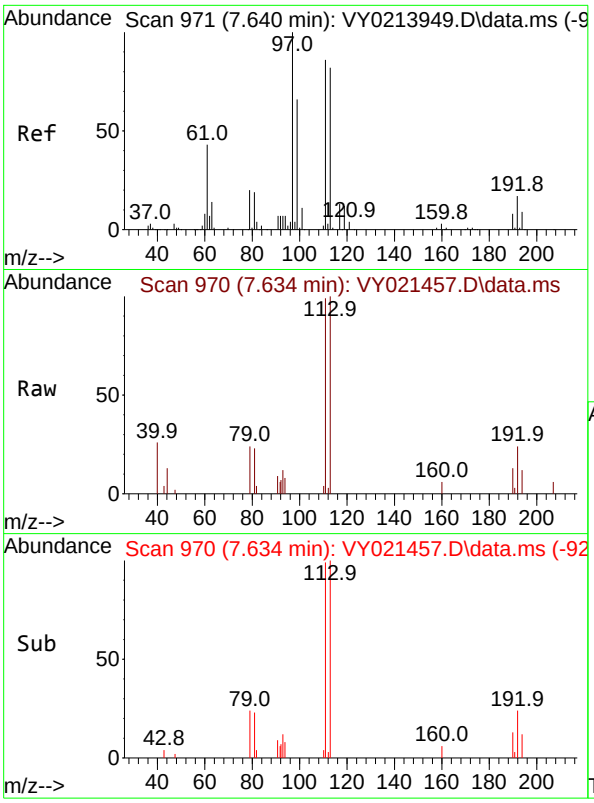


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Tgt Ion:114 Resp: 25440

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	40.8
88	16.4	0.0	30.8



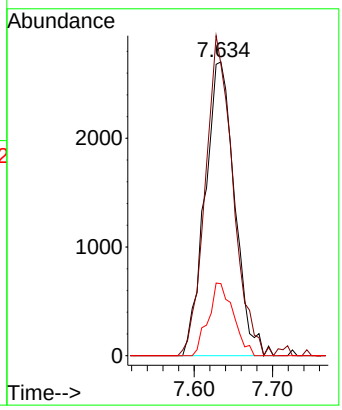


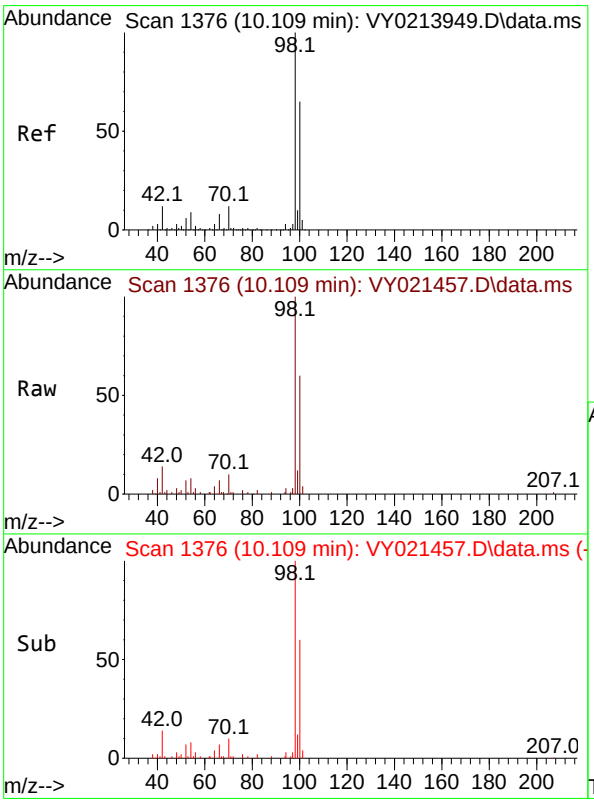
#35
Dibromofluoromethane
Concen: 42.513 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:113 Resp: 7109

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	20.8	15.9	23.9

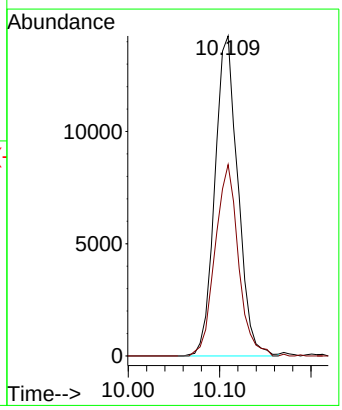


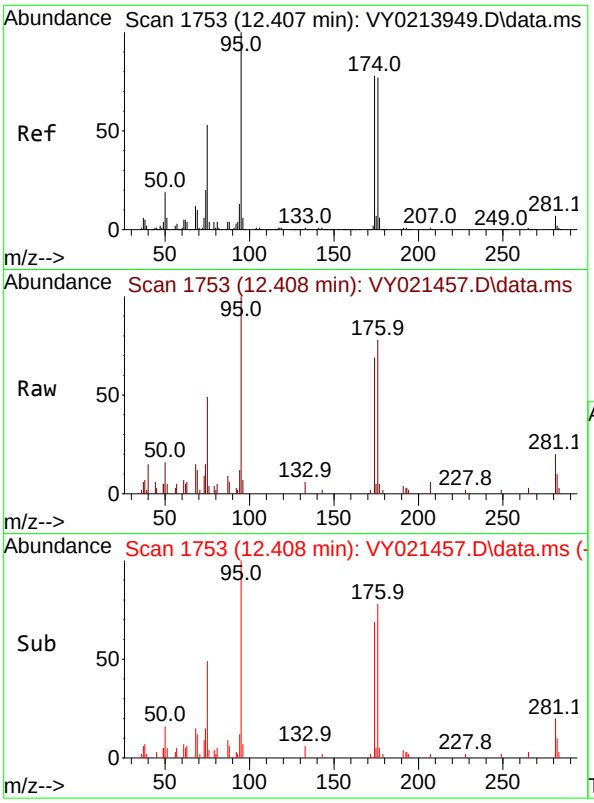


#50
Toluene-d8
Concen: 39.390 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Tgt Ion: 98 Resp: 24940

Ion	Ratio	Lower	Upper
98	100		
100	60.6	52.1	78.1



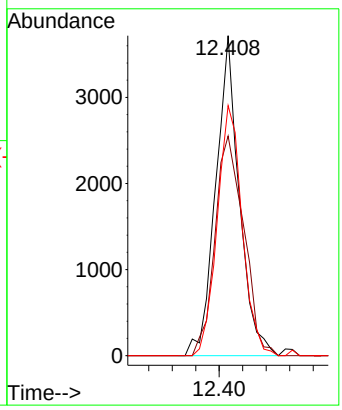


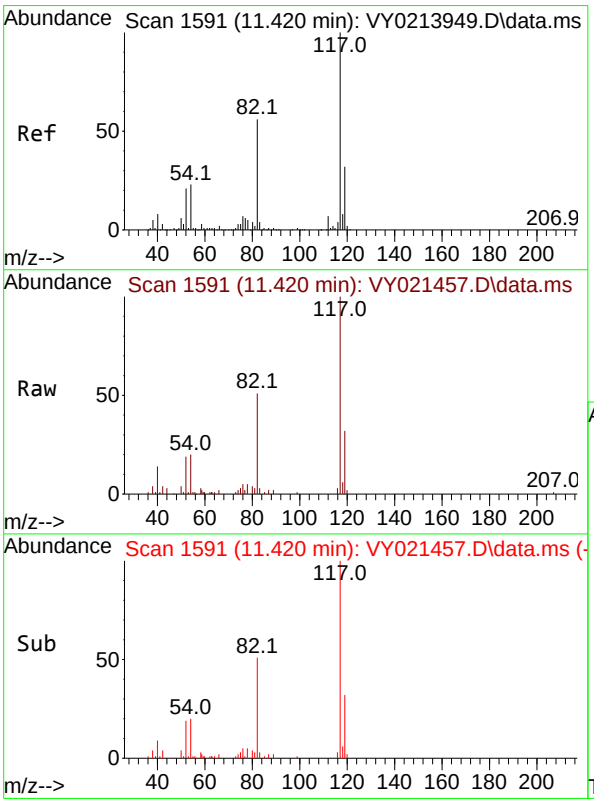
#62
4-Bromofluorobenzene
Concen: 24.042 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 95 Resp: 5178

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	165.0
176	82.7	0.0	160.0

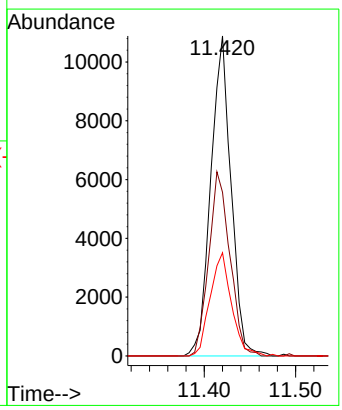


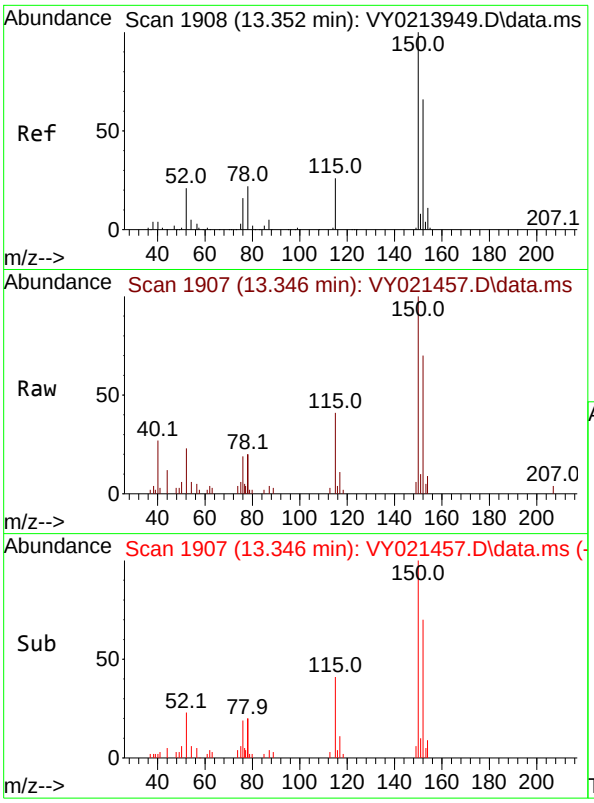


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Tgt Ion:117 Resp: 16741

Ion	Ratio	Lower	Upper
117	100		
82	51.1	44.6	67.0
119	32.2	25.4	38.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021457.D
Acq: 07 Mar 2025 13:42

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:152 Resp: 2730

Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.0	87.0
150	155.1	0.0	347.2