Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
Data File : VY022944.D
Acq On : 03 Jul 2025 15:47
Operator : SY/MD
Sample : Q2487-07
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Quant Time: Jul 07 08:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	278058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	464417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	350783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	104418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	95965	30.922	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	61.840%		
35) Dibromofluoromethane	7.634	113	125686	44.501	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.000%		
50) Toluene-d8	10.103	98	539840	48.168	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.340%		
62) 4-Bromofluorobenzene	12.402	95	124944	34.679	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	69.360%		
Target Compounds						Qvalue
16) Acetone	3.854	43	26826	45.734	ug/l	95
17) Carbon Disulfide	4.104	76	35981	3.957	ug/l	98
25) 2-Butanone	6.890	43	11137	13.045	ug/l #	82
65) Chlorobenzene	11.438	112	20574	2.669	ug/l	97

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

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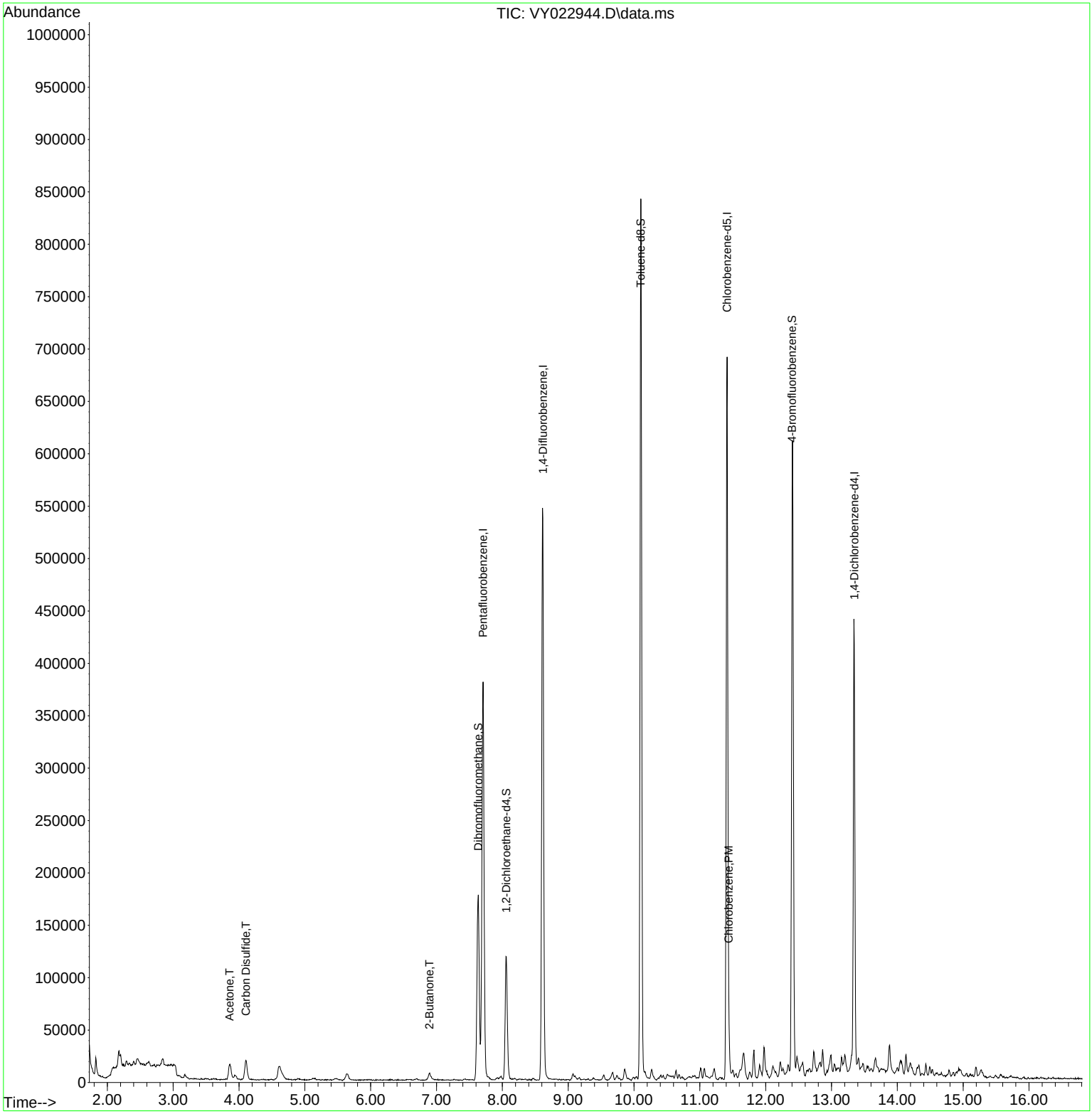
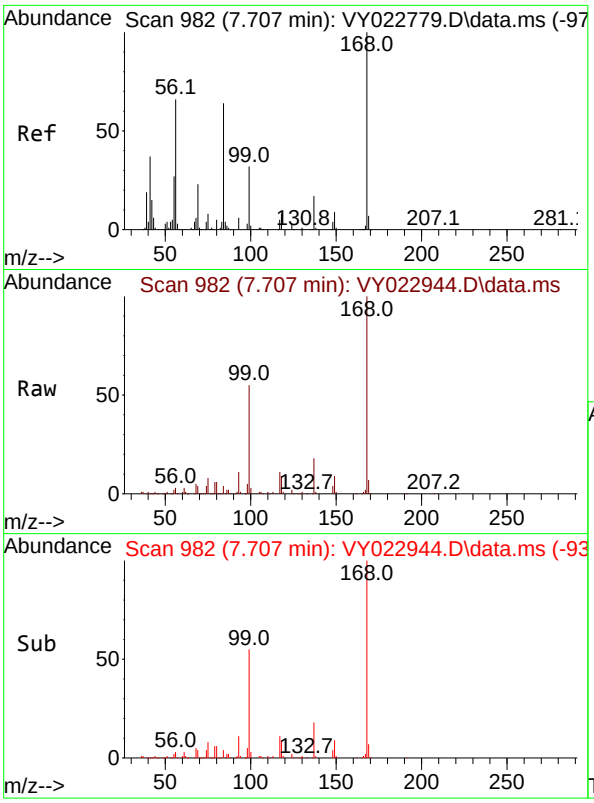


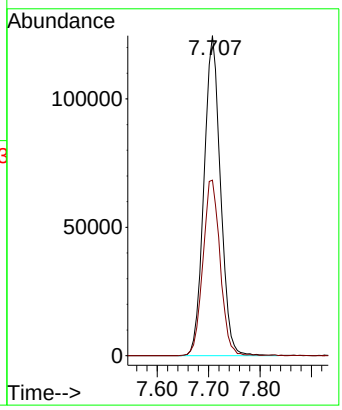


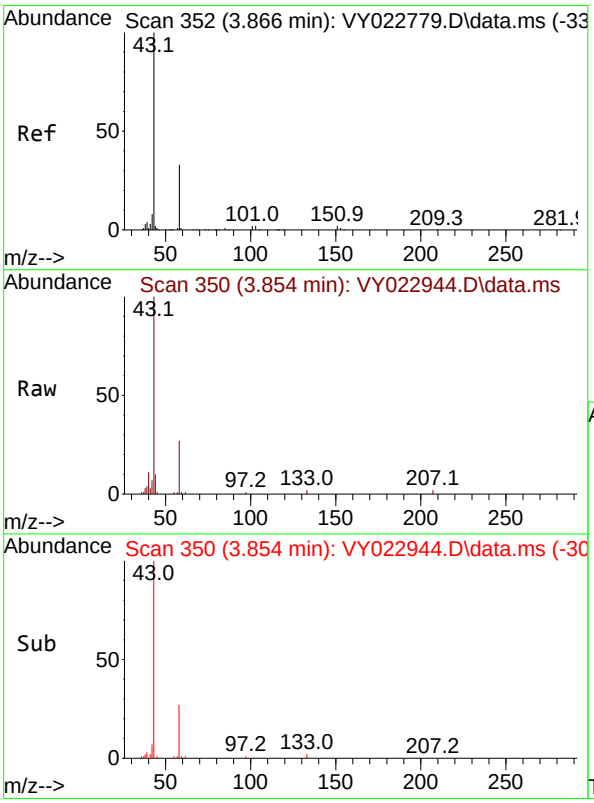
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Tgt Ion:168 Resp: 278058

Ion	Ratio	Lower	Upper
168	100		
99	54.9	44.3	66.5

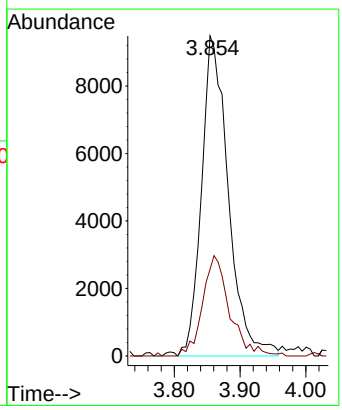


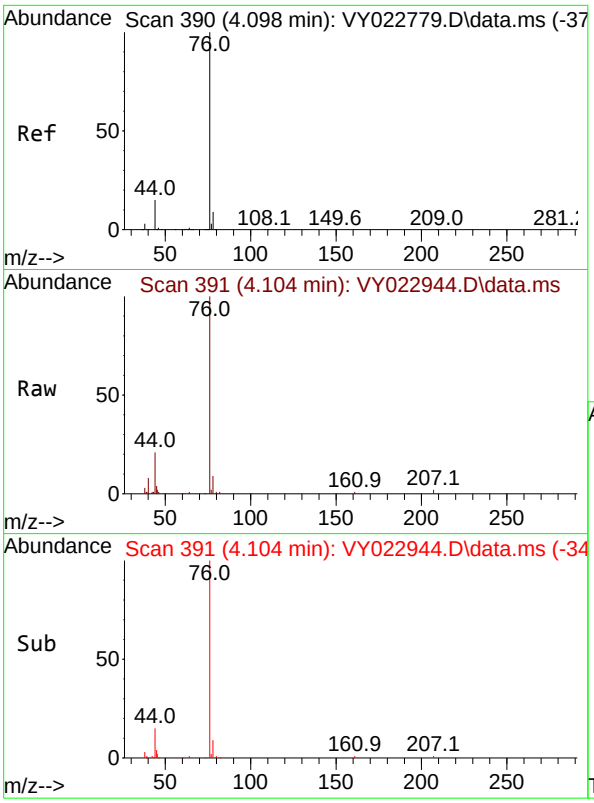


#16
Acetone
Concen: 45.734 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.025 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 43 Resp: 26826

Ion	Ratio	Lower	Upper
43	100		
58	27.1	24.0	36.0



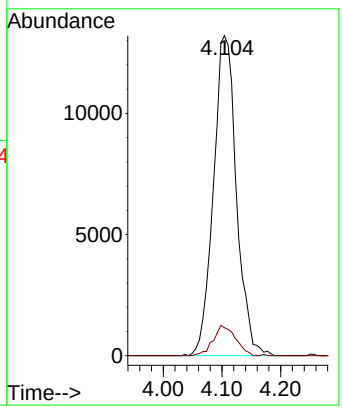


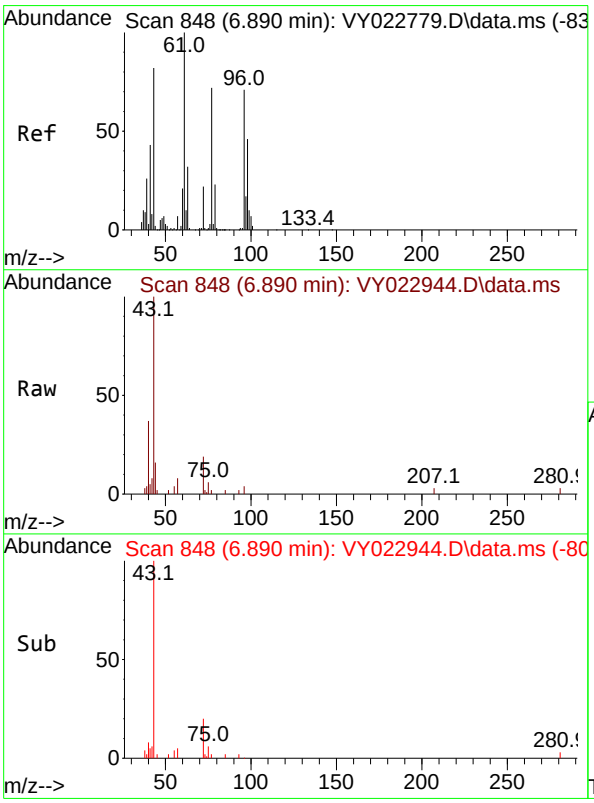
#17
Carbon Disulfide
Concen: 3.957 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Tgt Ion: 76 Resp: 35981

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

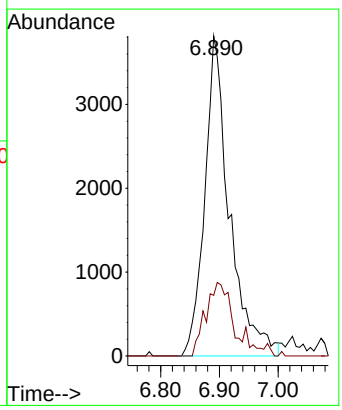


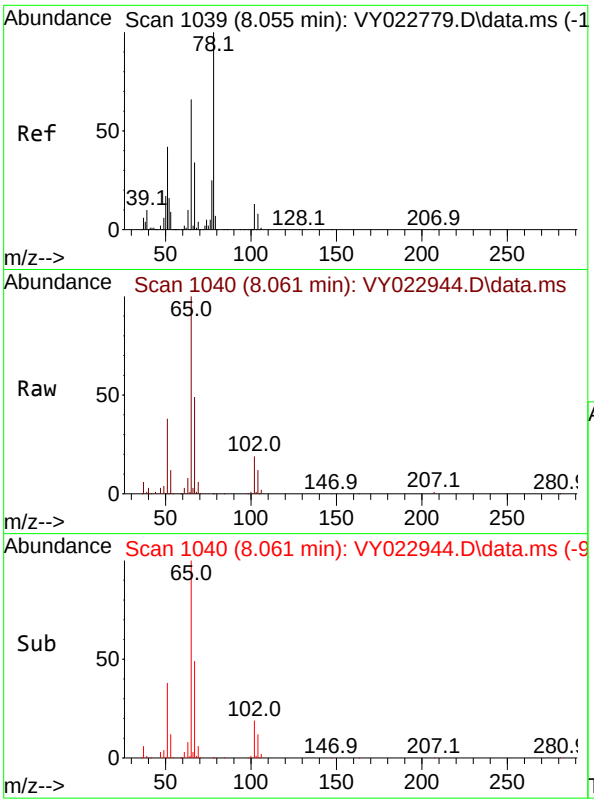


#25
2-Butanone
Concen: 13.045 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 43 Resp: 11137

Ion	Ratio	Lower	Upper
43	100		
72	18.9	22.9	34.3#



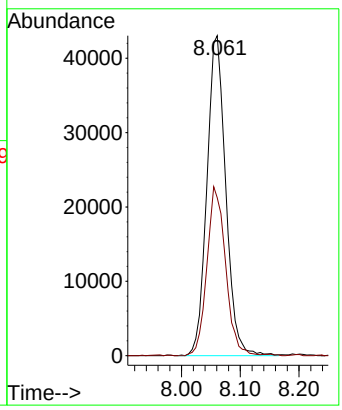


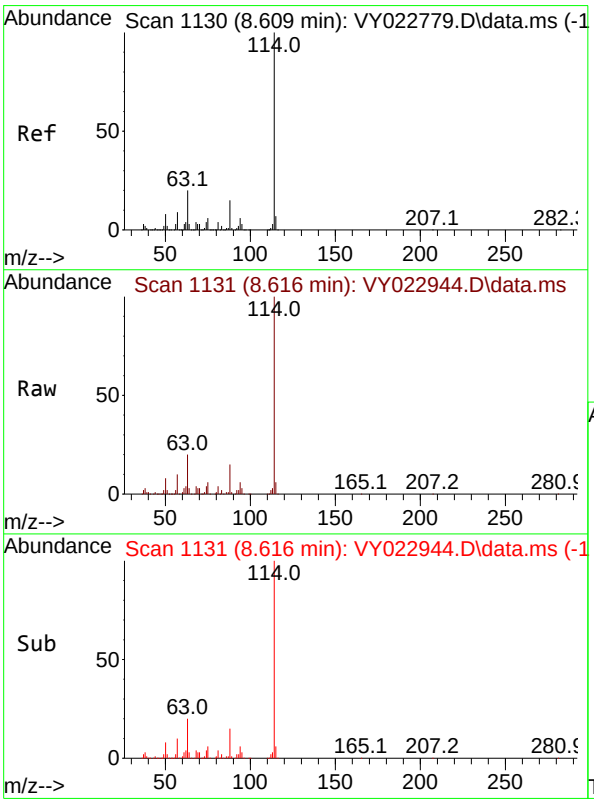
#33
1,2-Dichloroethane-d4
Concen: 30.922 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Tgt Ion: 65 Resp: 95965

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.4

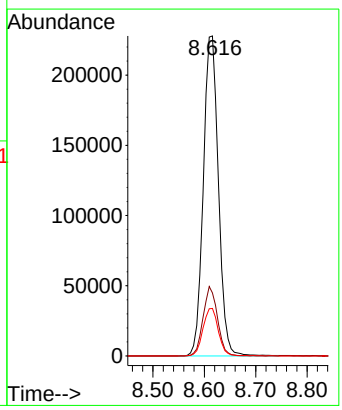


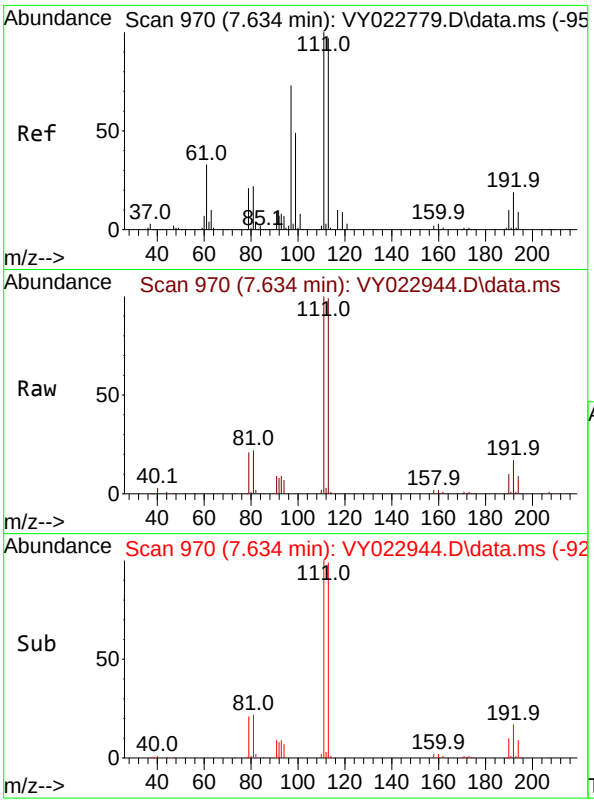


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion:114 Resp: 464417

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.8
88	14.8	0.0	27.8



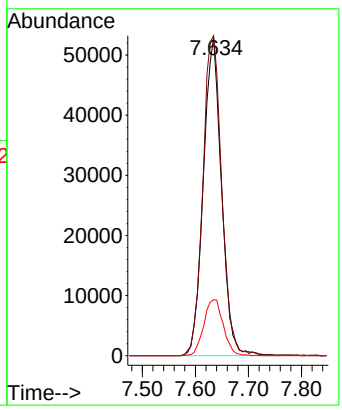


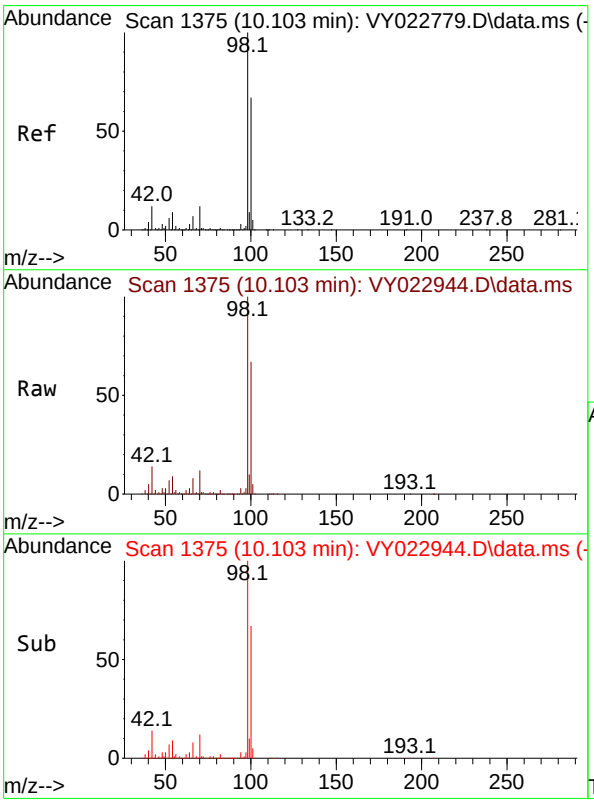
#35
Dibromofluoromethane
Concen: 44.501 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Tgt Ion:113 Resp: 125686

Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.1	121.7
192	19.0	14.2	21.2

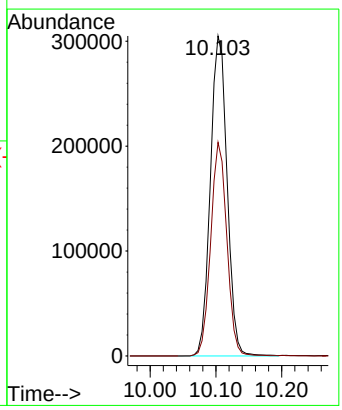


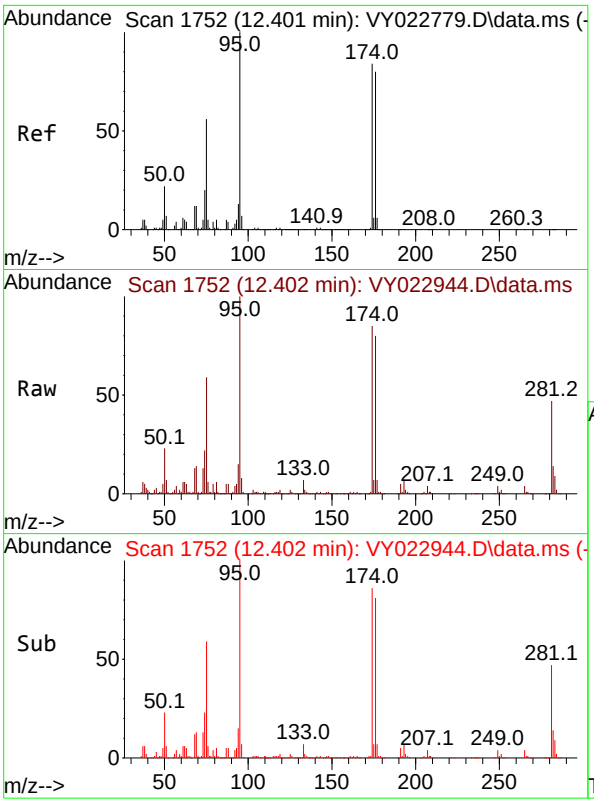


#50
Toluene-d8
Concen: 48.168 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion: 98 Resp: 539840

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.4	77.0



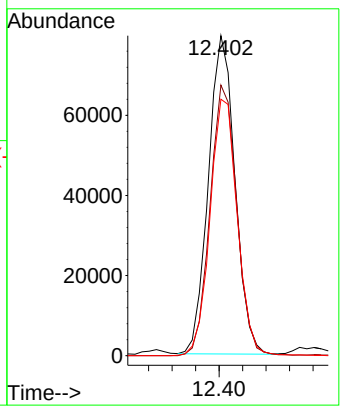


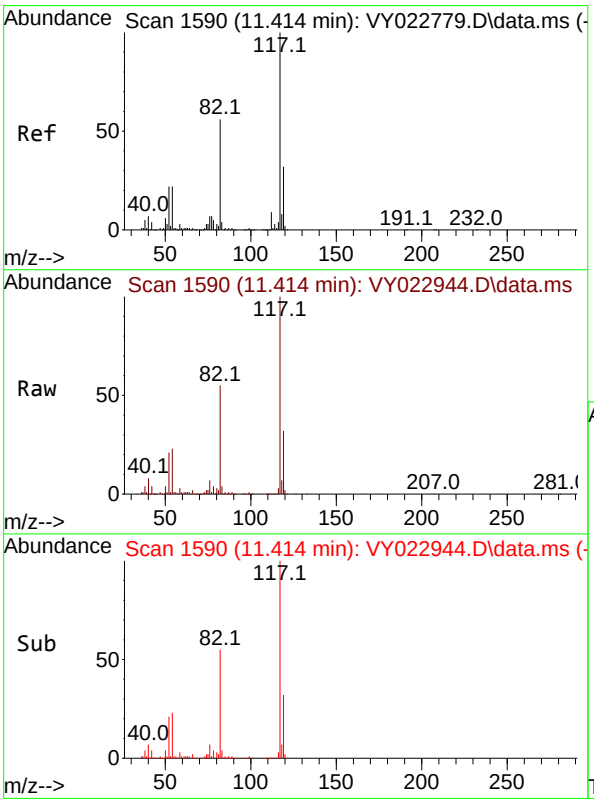
#62
4-Bromofluorobenzene
Concen: 34.679 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Tgt Ion: 95 Resp: 124944

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	170.0
176	82.7	0.0	166.2

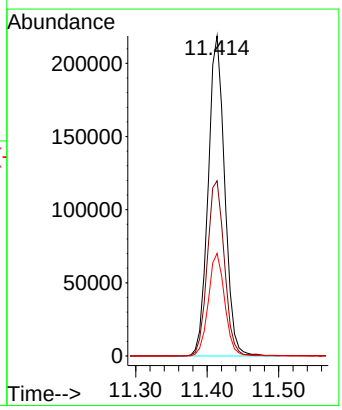


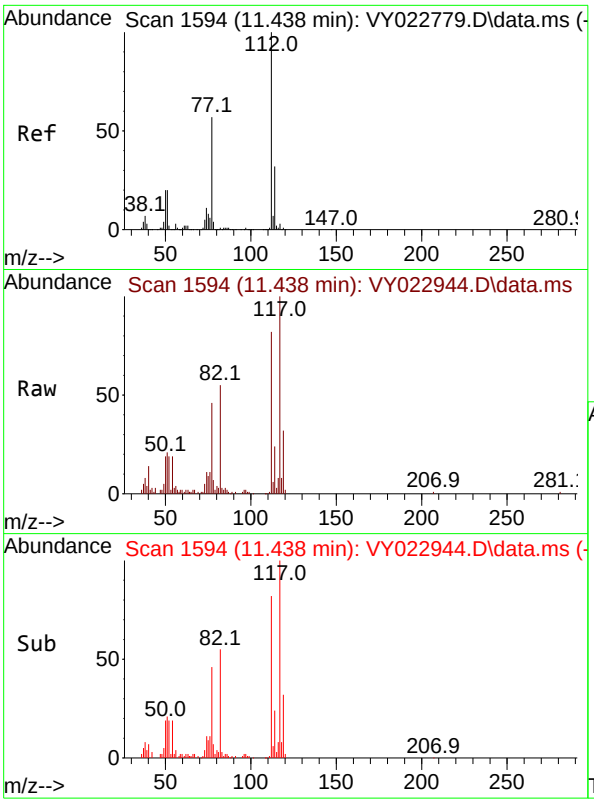


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion:117 Resp: 350783

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	66.8
119	32.0	25.4	38.0



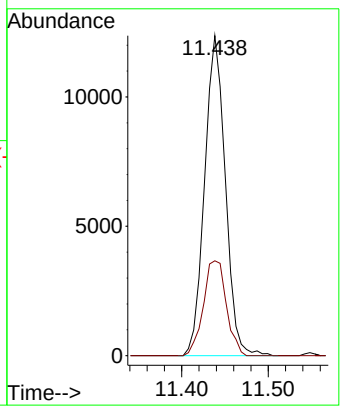


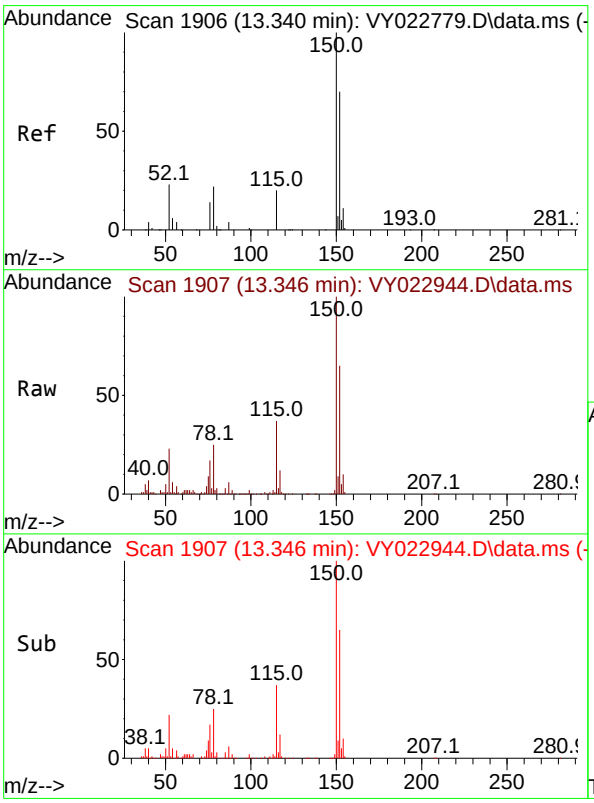
#65
Chlorobenzene
Concen: 2.669 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
G1(4.5)

Tgt Ion:112 Resp: 20574

Ion	Ratio	Lower	Upper
112	100		
114	29.7	25.0	37.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022944.D
Acq: 03 Jul 2025 15:47

Tgt Ion:152 Resp: 104418

Ion	Ratio	Lower	Upper
152	100		
115	59.4	28.9	86.7
150	158.1	0.0	349.6