Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023760.D
Acq On : 12 Nov 2025 13:38
Operator : SY/MD
Sample : Q3586-02RE
Misc : 8.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Quant Time: Nov 14 03:38:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	69400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	117751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	115570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	41947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52364	88.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 176.900%#			
35) Dibromofluoromethane	7.634	113	48847	66.380	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 132.760%			
50) Toluene-d8	10.109	98	134169	48.946	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.900%			
62) 4-Bromofluorobenzene	12.408	95	41670	47.007	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.020%			
Target Compounds						Qvalue
16) Acetone	3.866	43	12535	85.185	ug/l	98
25) 2-Butanone	6.902	43	4155	24.422	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	4652	2.061	ug/l	94

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

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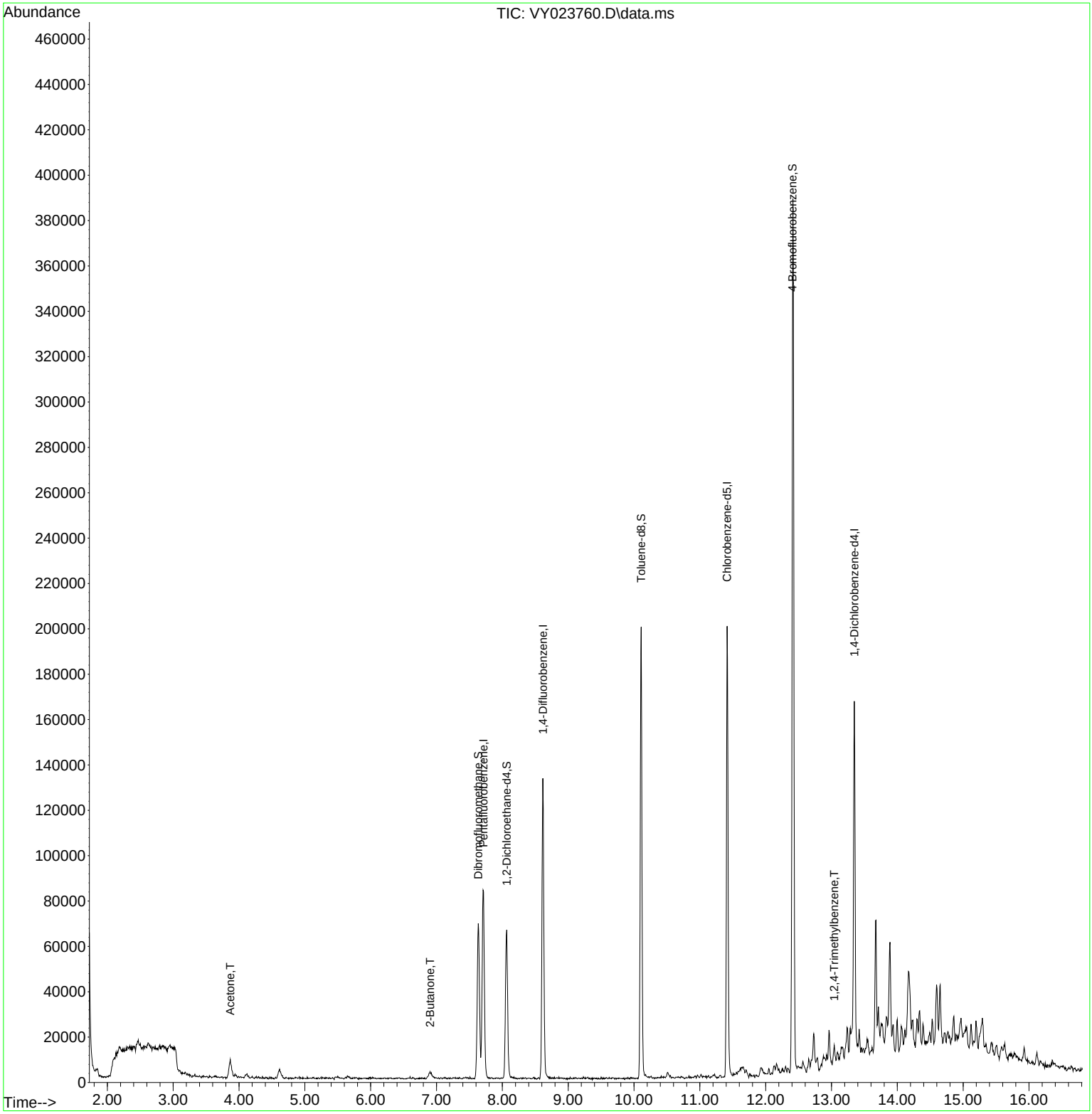
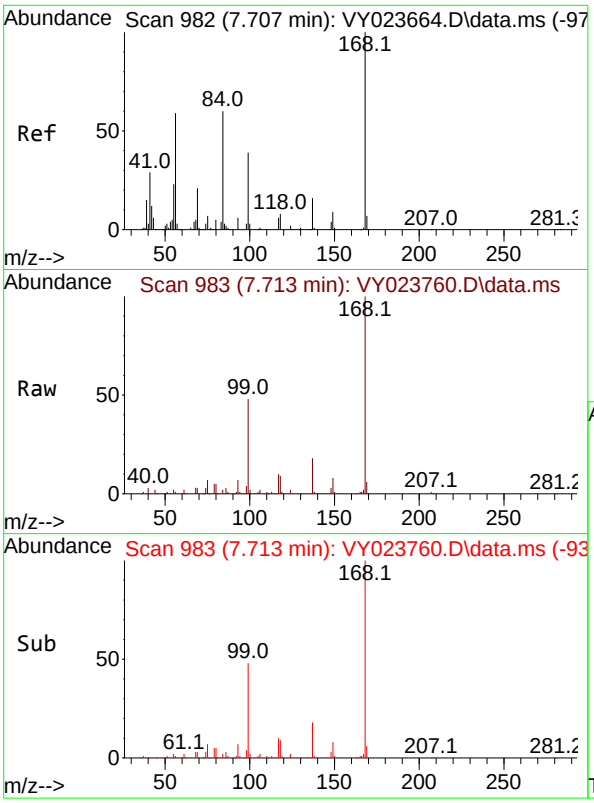


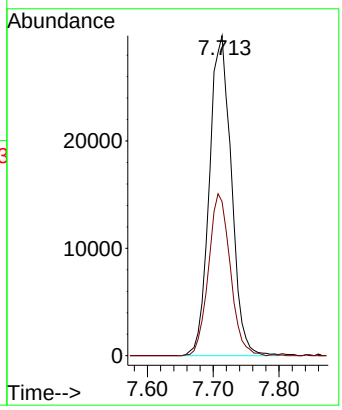


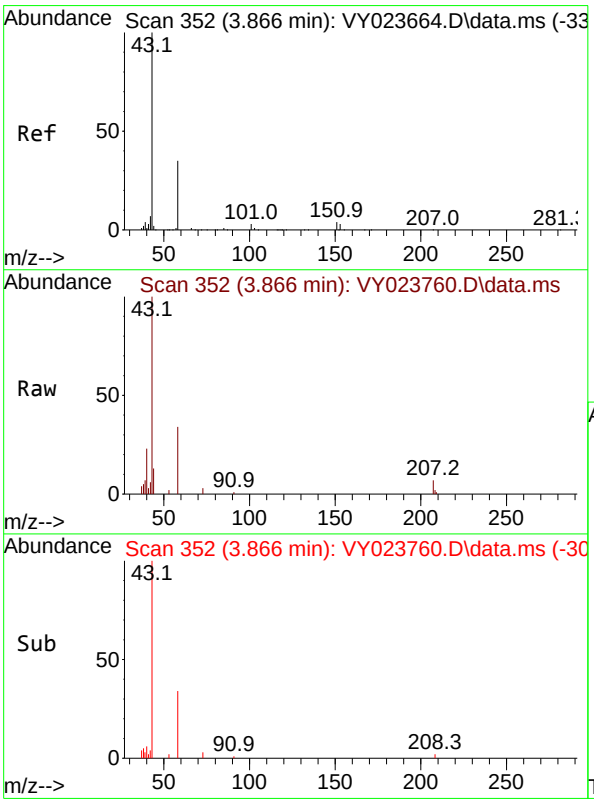
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion:168 Resp: 69400

Ion	Ratio	Lower	Upper
168	100		
99	48.1	41.0	61.4

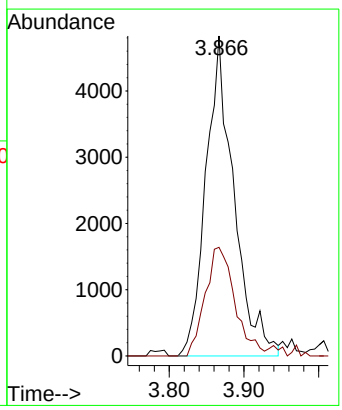


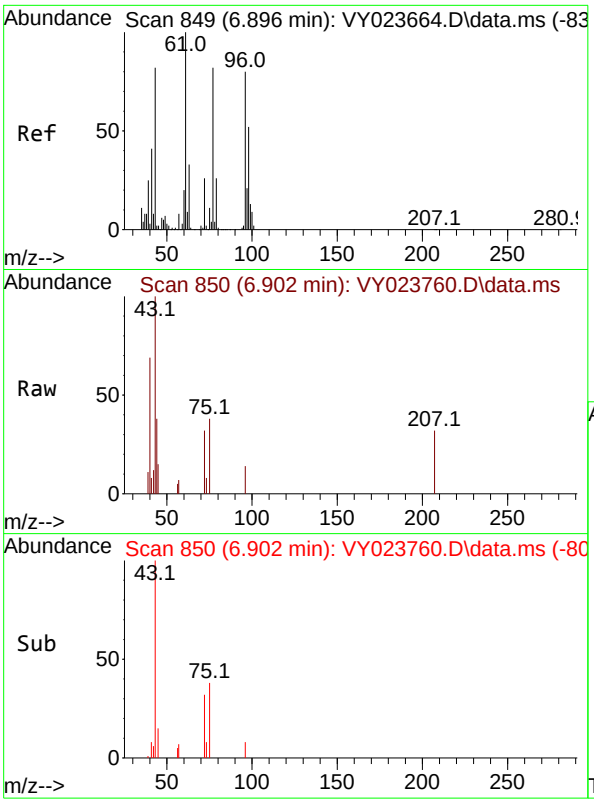


#16
Acetone
Concen: 85.185 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion: 43 Resp: 12535

Ion	Ratio	Lower	Upper
43	100		
58	34.0	28.2	42.4



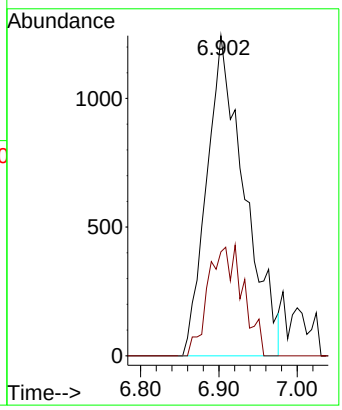


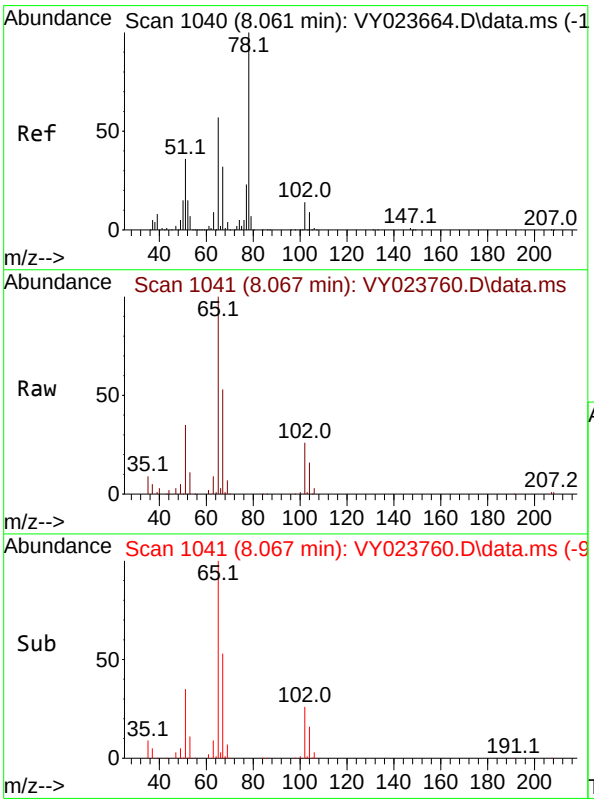
#25
2-Butanone
Concen: 24.422 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion: 43 Resp: 4155

Ion	Ratio	Lower	Upper
43	100		
72	32.5	25.7	38.5

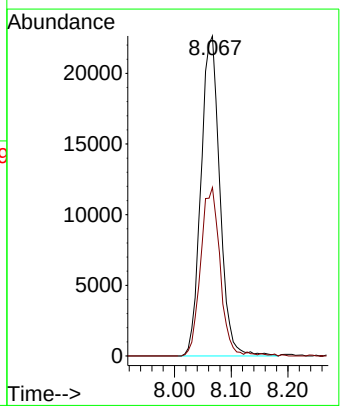


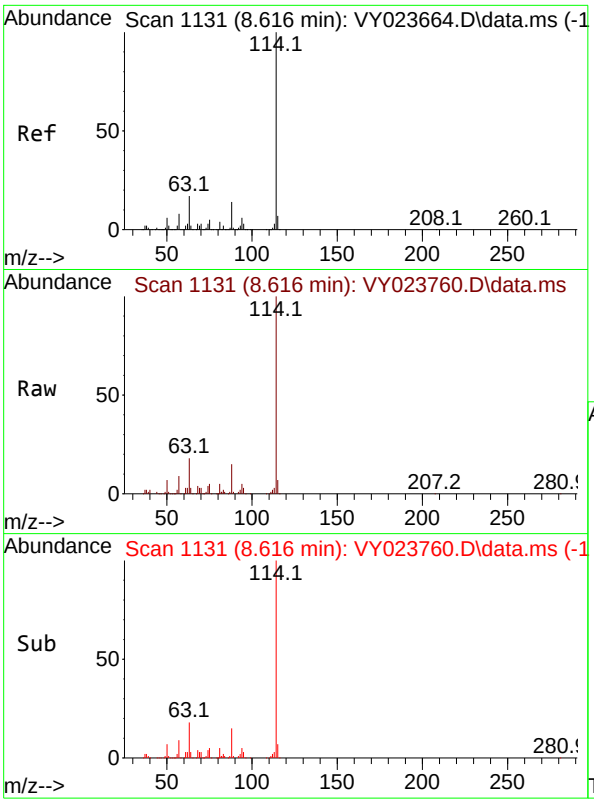


#33
1,2-Dichloroethane-d4
Concen: 88.454 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion: 65 Resp: 52364

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.4



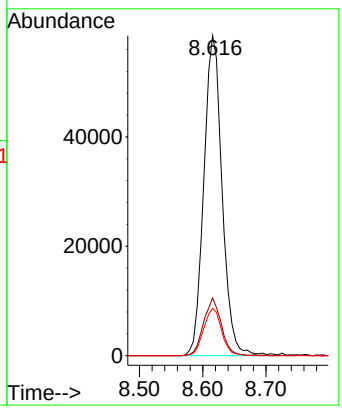


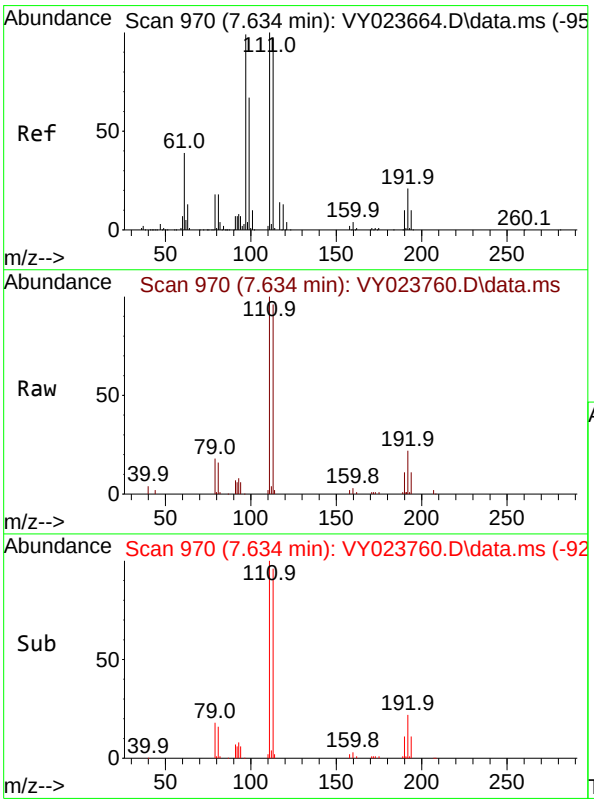
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion:114 Resp: 117751

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	33.8
88	14.8	0.0	29.0

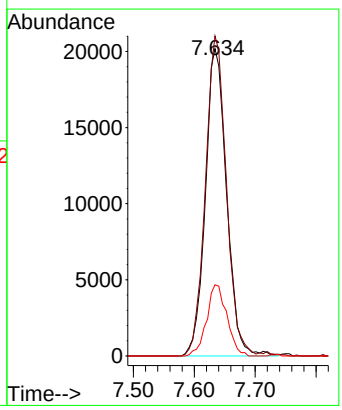


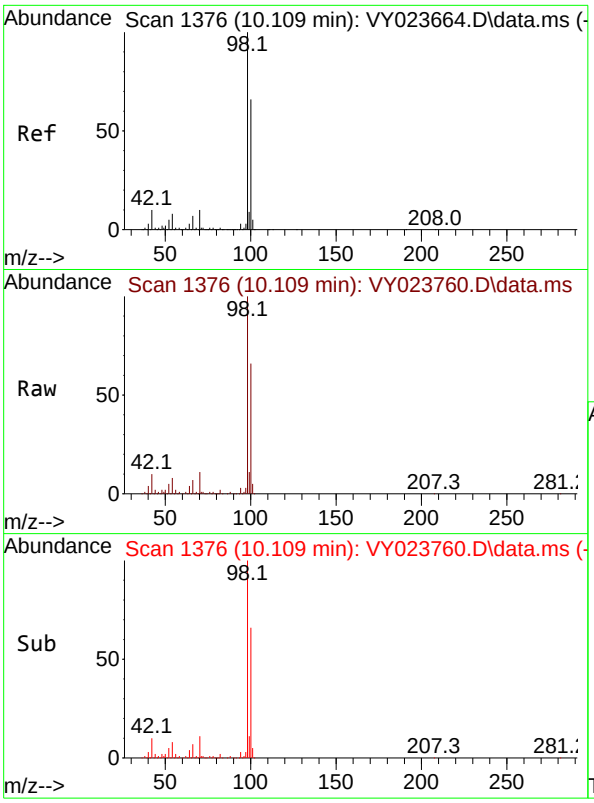


#35
Dibromofluoromethane
Concen: 66.380 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion:113 Resp: 48847

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	22.1	17.3	25.9



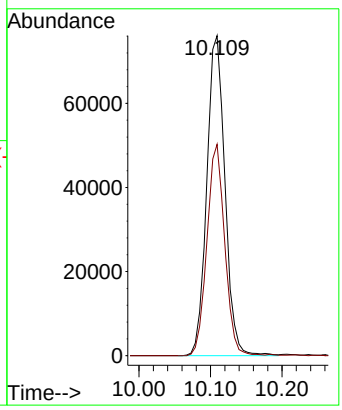


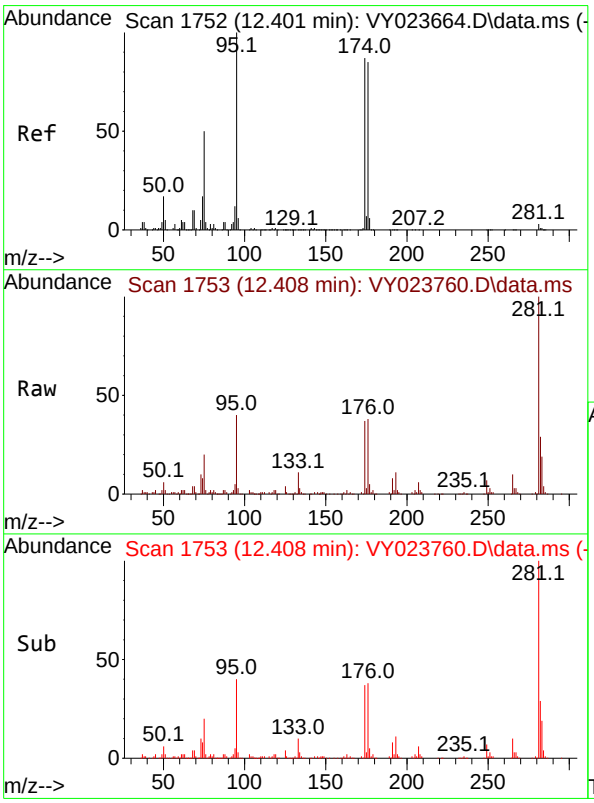
#50
Toluene-d8
Concen: 48.946 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion: 98 Resp: 134169

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.7	79.1

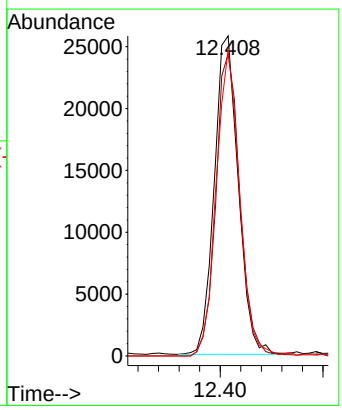


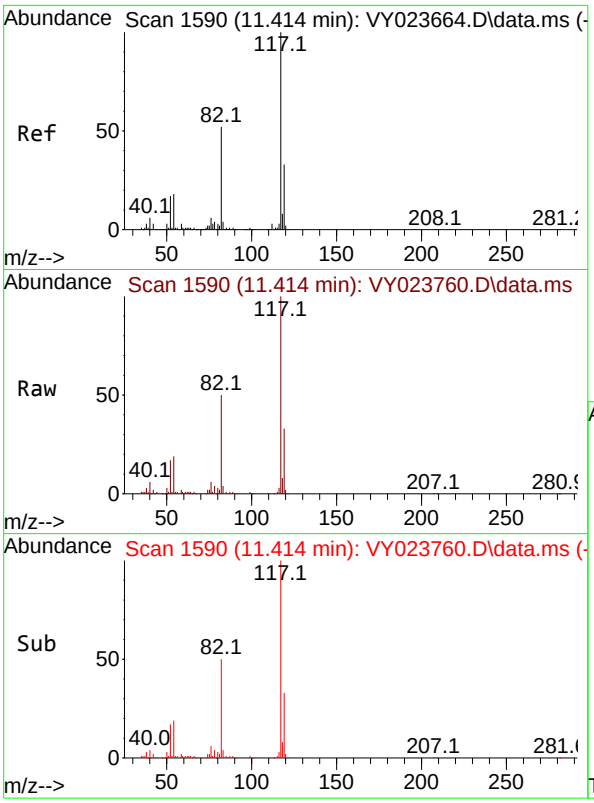


#62
4-Bromofluorobenzene
Concen: 47.007 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion: 95 Resp: 41670

Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	184.8
176	93.7	0.0	181.6



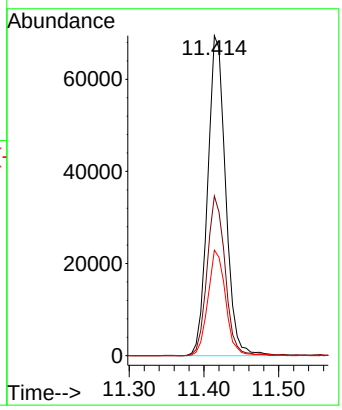


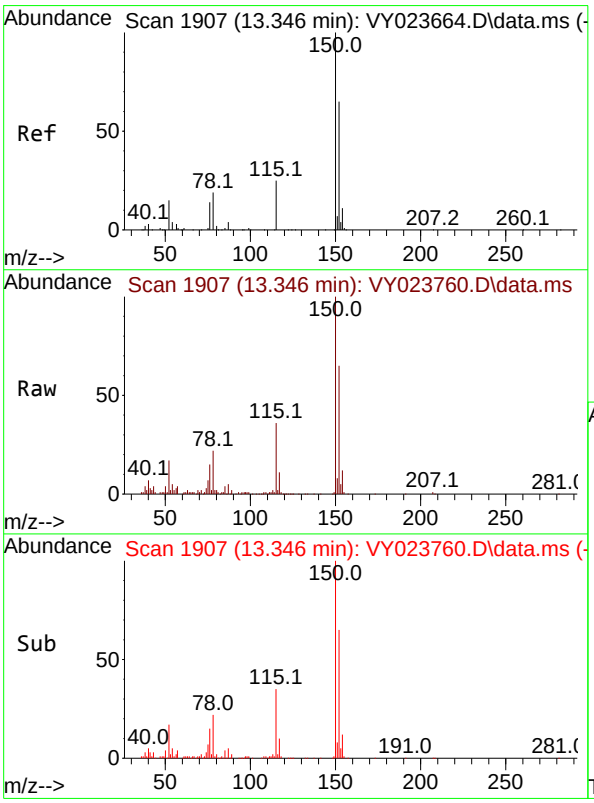
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion:117 Resp: 115570

Ion	Ratio	Lower	Upper
117	100		
82	49.9	41.2	61.8
119	33.0	26.2	39.2

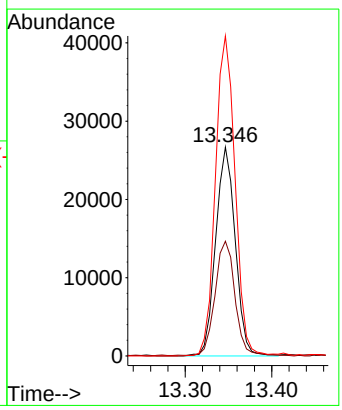


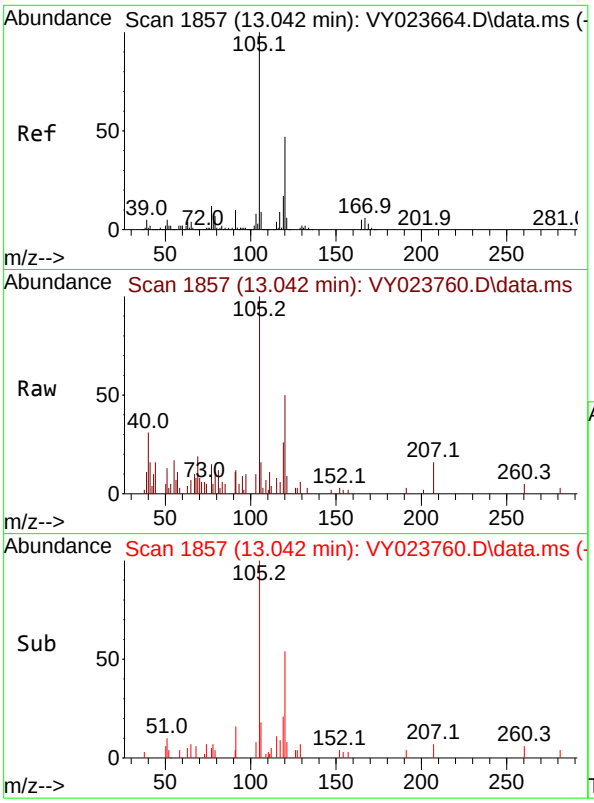


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion:152 Resp: 41947

Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.5	82.5
150	153.6	0.0	349.0





#84
1,2,4-Trimethylbenzene
Concen: 2.061 ug/l
RT: 13.042 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
SED-2RE

Tgt Ion:105 Resp: 4652

Ion	Ratio	Lower	Upper
105	100		
120	42.6	23.2	69.6