Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022708.D
Acq On : 16 Jun 2025 15:46
Operator : SY/MD
Sample : Q2328-01RE
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653RE

Quant Time: Jun 16 16:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	33651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	53725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	34413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	9262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	13561	36.031	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	72.060%		
35) Dibromofluoromethane	7.640	113	15906	49.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.200%		
50) Toluene-d8	10.109	98	60995	47.074	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.140%		
62) 4-Bromofluorobenzene	12.407	95	10814	28.011	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	56.020%		
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	3579	8.243	ug/l #	80
68) m/p-Xylenes	11.615	106	577	1.078	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	927	1.553	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	1923	3.221	ug/l	88
85) sec-Butylbenzene	13.170	105	1446	1.762	ug/l	84

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

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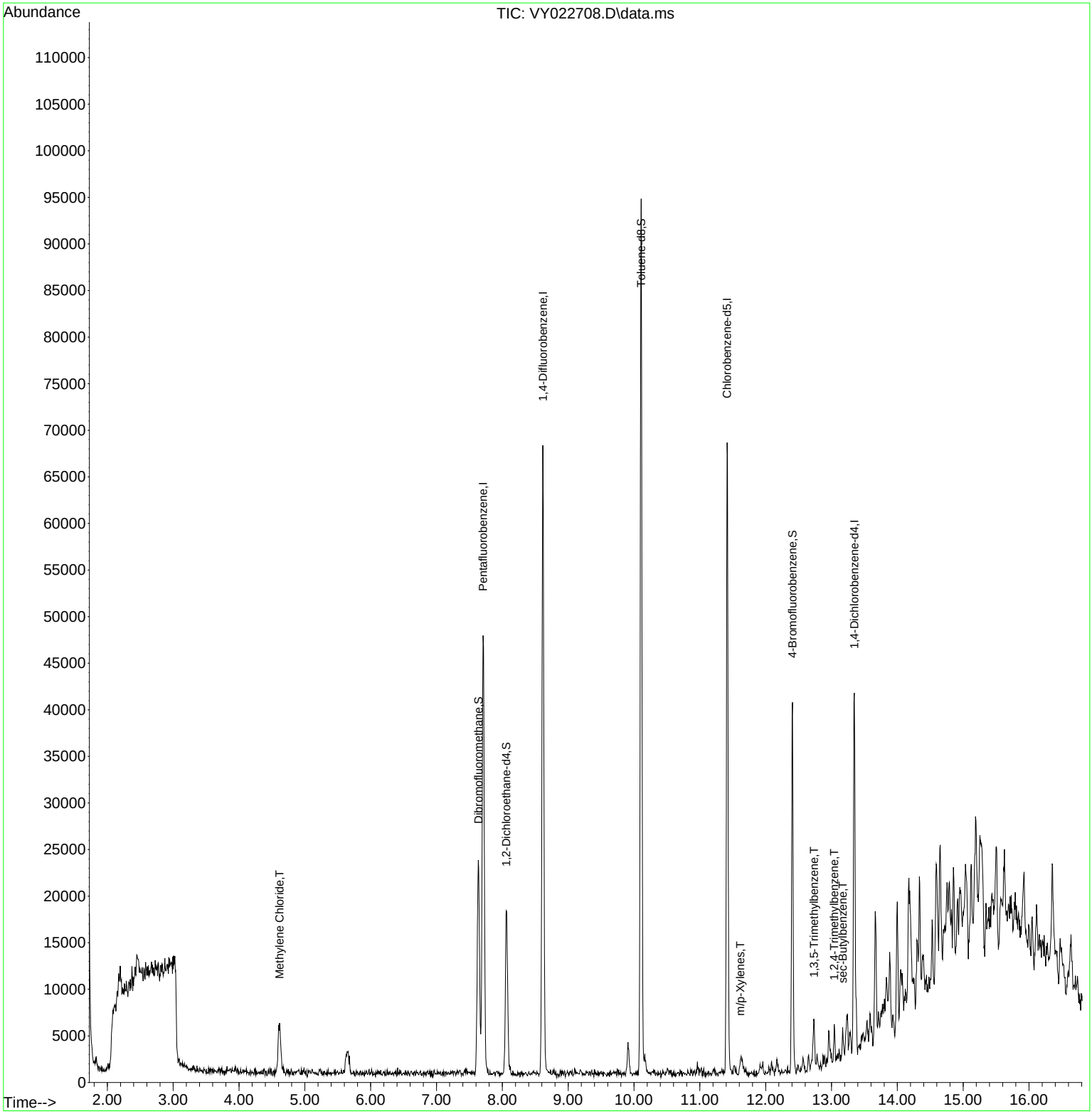
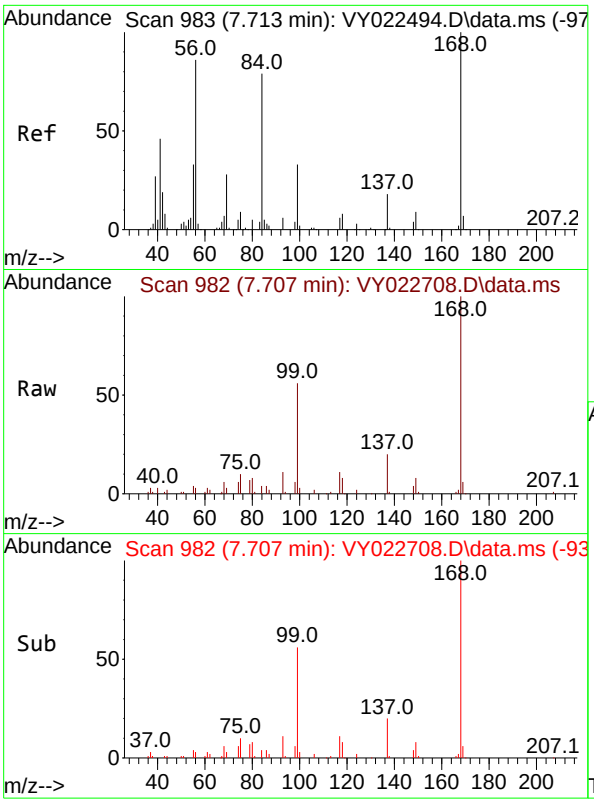


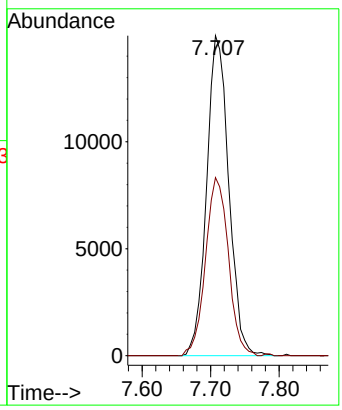


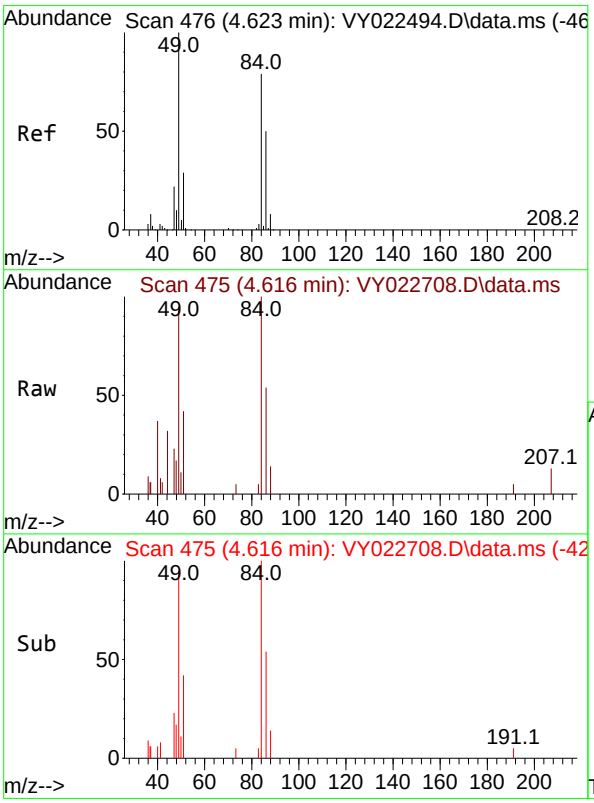
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653RE

Tgt Ion:168 Resp: 33651

Ion	Ratio	Lower	Upper
168	100		
99	55.7	44.3	66.5

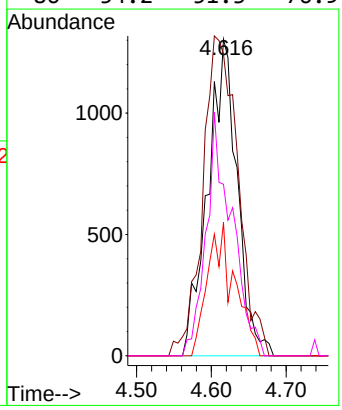


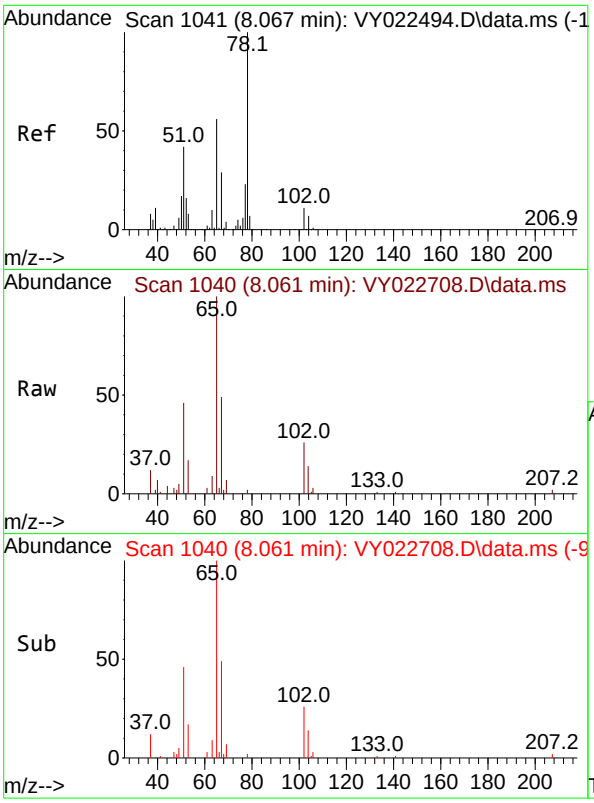


#20
Methylene Chloride
Concen: 8.243 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 84 Resp: 3579

Ion	Ratio	Lower	Upper
84	100		
49	95.4	101.9	152.9#
51	42.1	29.8	44.8
86	54.2	51.3	76.9



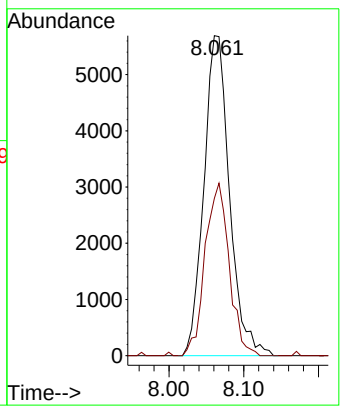


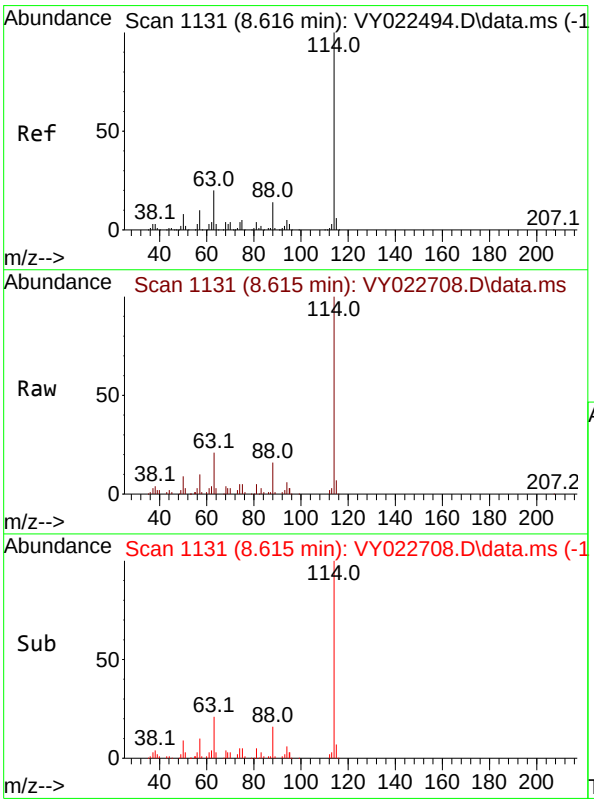
#33
1,2-Dichloroethane-d4
Concen: 36.031 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653RE

Tgt Ion: 65 Resp: 13561

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.4

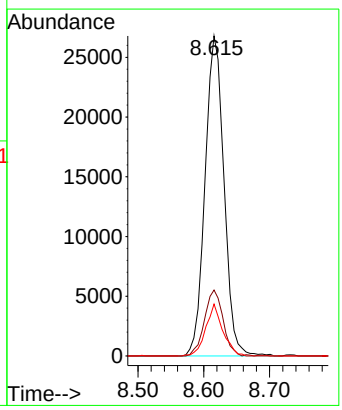


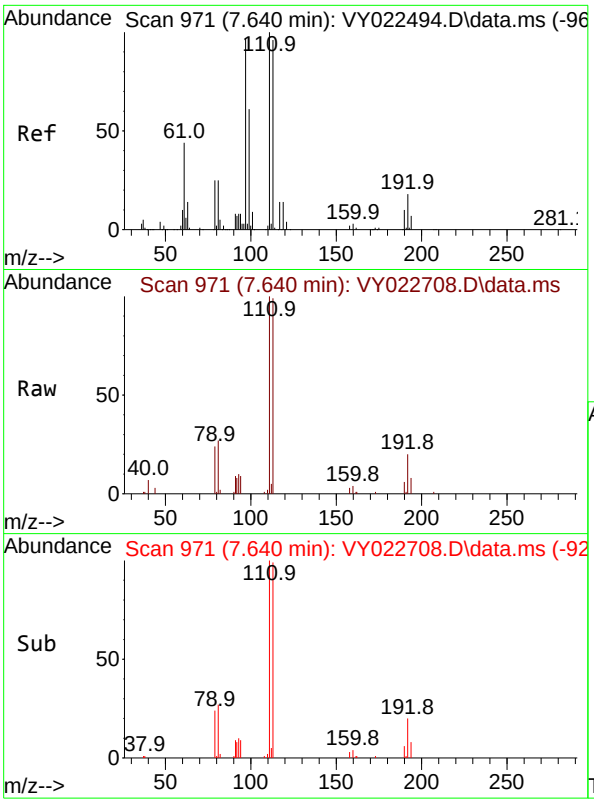


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Tgt Ion:114 Resp: 53725

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	16.2	0.0	27.8



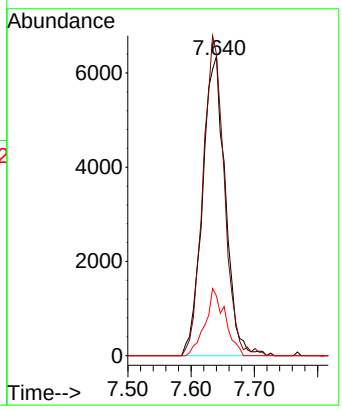


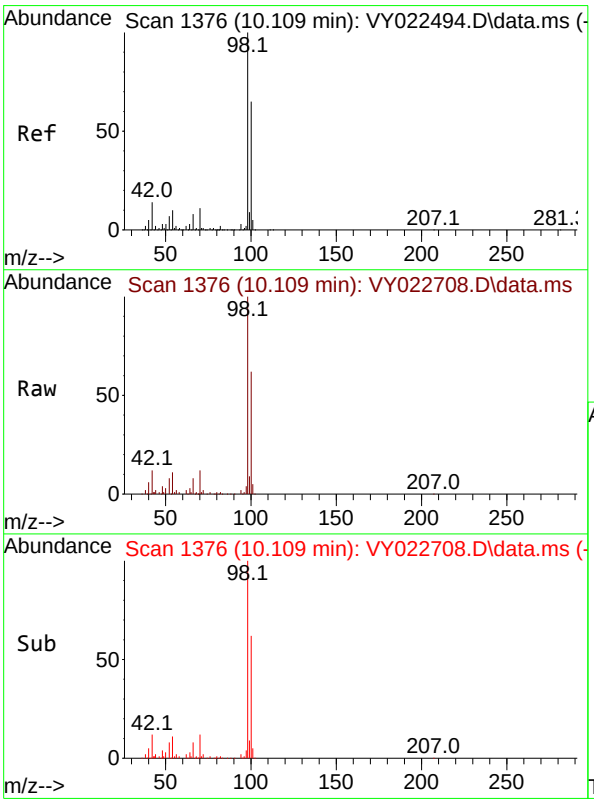
#35
Dibromofluoromethane
Concen: 49.602 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653RE

Tgt Ion:113 Resp: 15906

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.1	121.7
192	19.6	14.2	21.2

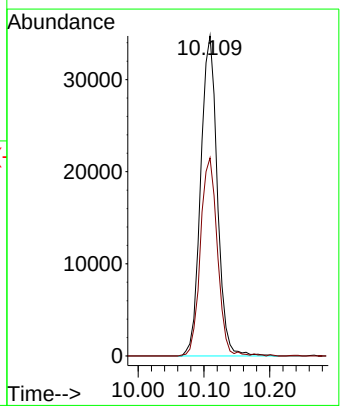


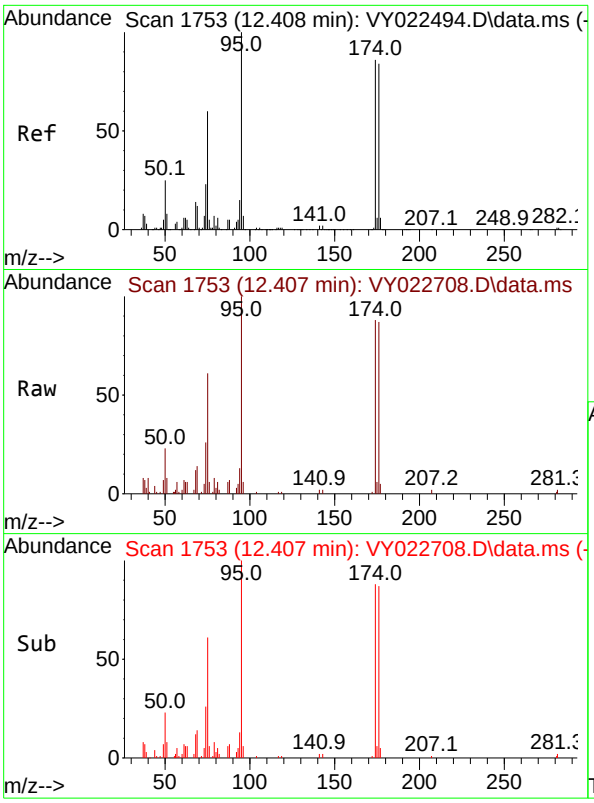


#50
Toluene-d8
Concen: 47.074 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Tgt Ion: 98 Resp: 60995

Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.4	77.0



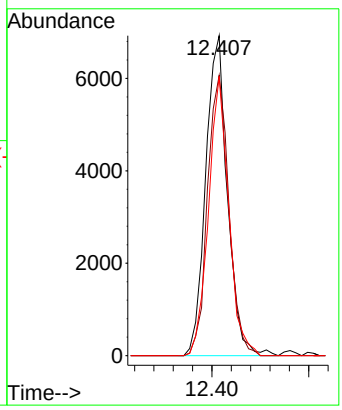


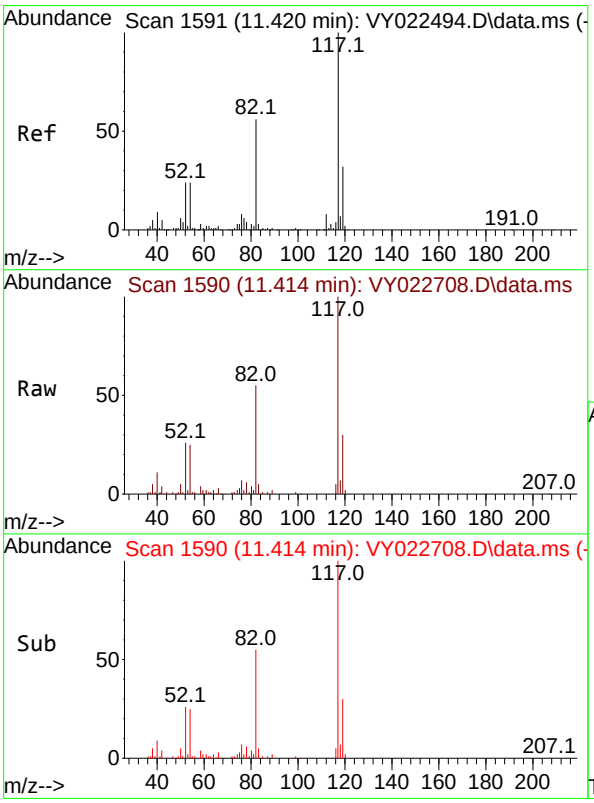
#62
4-Bromofluorobenzene
Concen: 28.011 ug/l
RT: 12.407 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653RE

Tgt Ion: 95 Resp: 10814

Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	170.0
176	81.3	0.0	166.2

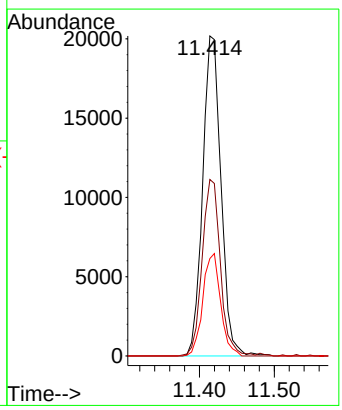


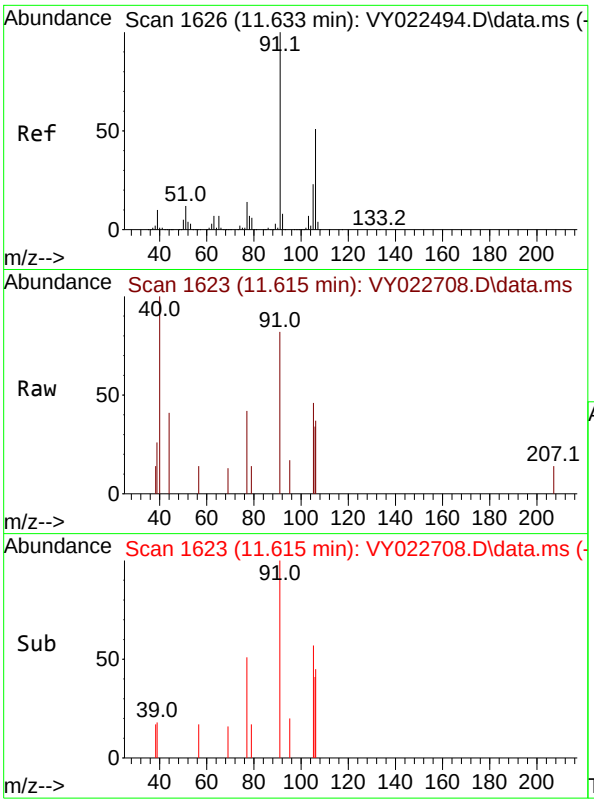


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Tgt Ion:117 Resp: 34413

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	66.8
119	30.5	25.4	38.0



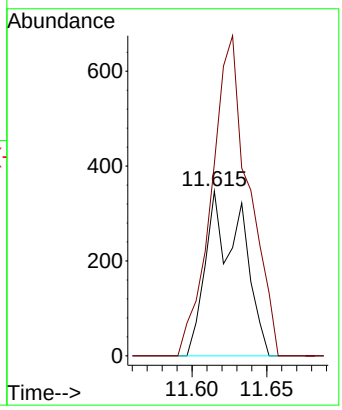


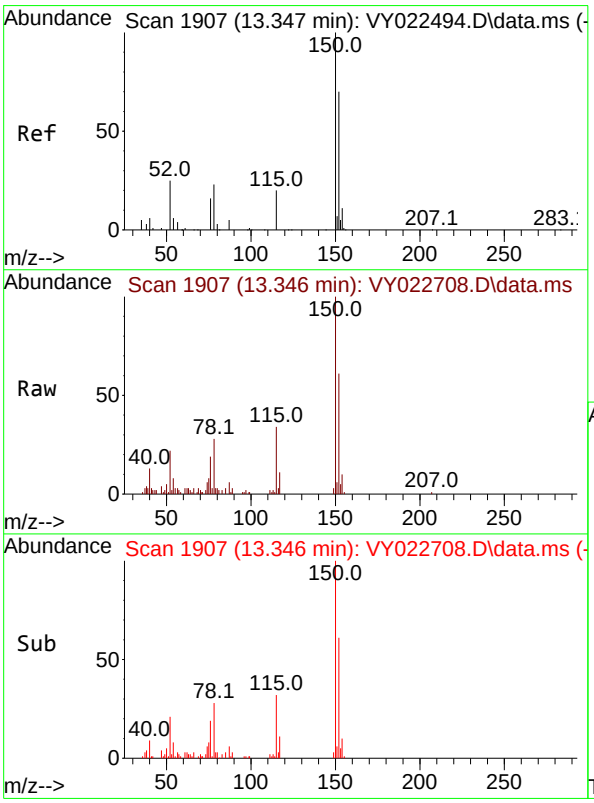
#68
m/p-Xylenes
Concen: 1.078 ug/l
RT: 11.615 min Scan# 1
Delta R.T. -0.019 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653RE

Tgt Ion:106 Resp: 577

Ion	Ratio	Lower	Upper
106	100		
91	203.3	159.4	239.0

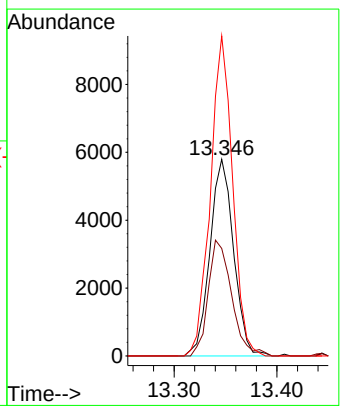


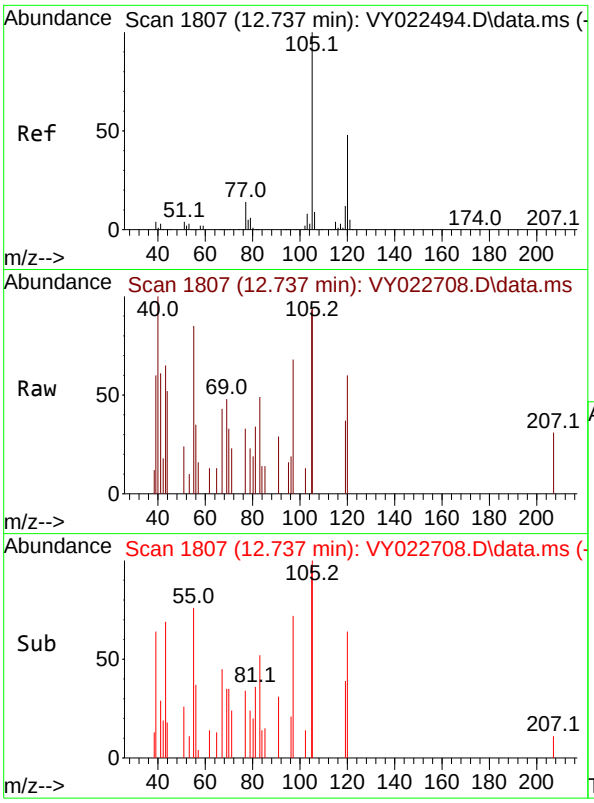


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Tgt Ion:152 Resp: 9262

Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.9	86.7
150	152.5	0.0	349.6



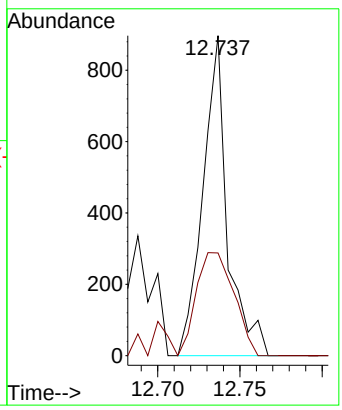


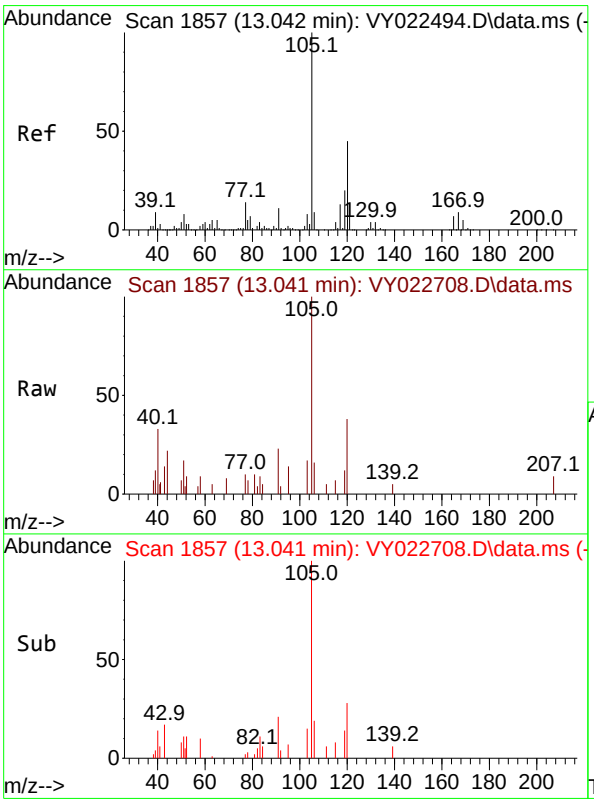
#80
1,3,5-Trimethylbenzene
Concen: 1.553 ug/l
RT: 12.737 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653RE

Tgt Ion:105 Resp: 927

Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.1	72.4

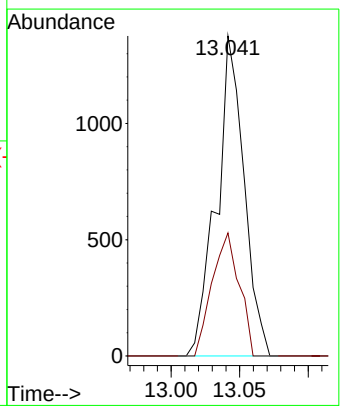


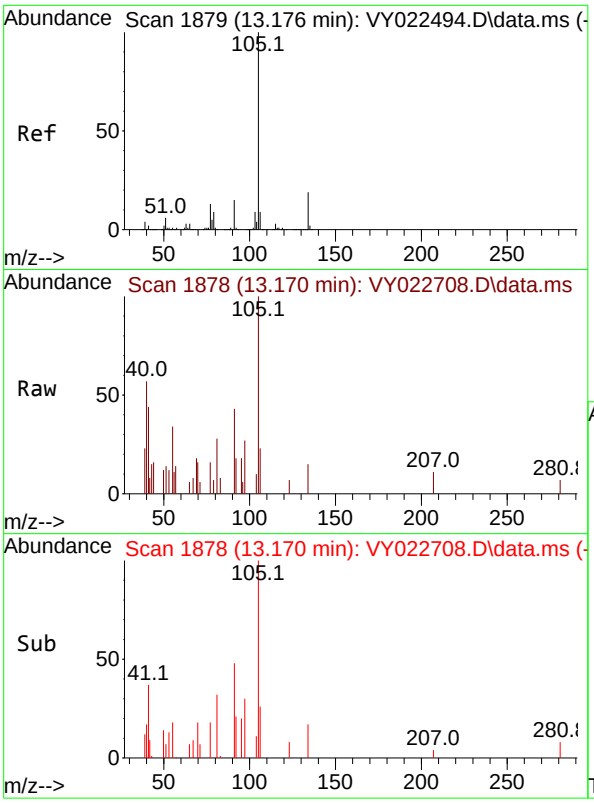


#84
1,2,4-Trimethylbenzene
Concen: 3.221 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Tgt Ion:105 Resp: 1923

Ion	Ratio	Lower	Upper
105	100		
120	37.8	22.7	68.1





#85
sec-Butylbenzene
Concen: 1.762 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022708.D
Acq: 16 Jun 2025 15:46

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653RE

Tgt Ion:105 Resp: 1446

Ion	Ratio	Lower	Upper
105	100		
134	26.8	9.7	28.9