Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
Data File : VY022037.D
Acq On : 28 Apr 2025 17:25
Operator : SY/MD
Sample : Q1891-07
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

Quant Time: Apr 29 03:55:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	325898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	600876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	540553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160093	53.182	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.360%			
35) Dibromofluoromethane	7.634	113	203179	51.182	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.360%			
50) Toluene-d8	10.103	98	722448	48.273	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.540%			
62) 4-Bromofluorobenzene	12.401	95	213758	42.428	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.860%			
Target Compounds						Qvalue
16) Acetone	3.879	43	18609	28.285	ug/l	98
25) 2-Butanone	6.896	43	5495	8.008	ug/l	93
27) cis-1,2-Dichloroethene	6.884	96	63163	15.569	ug/l	90
44) Trichloroethene	8.866	130	16118	3.491	ug/l	97

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

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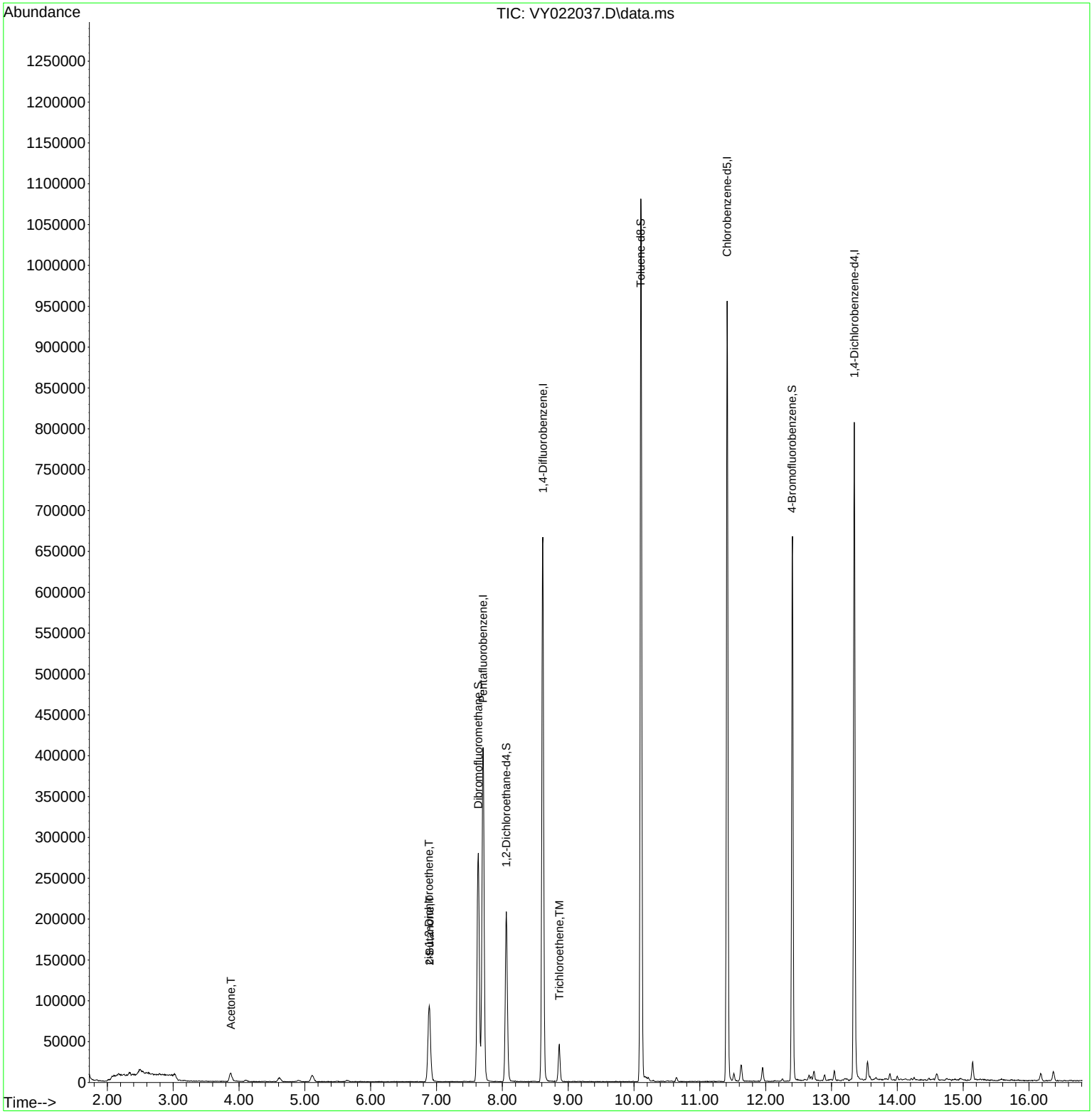
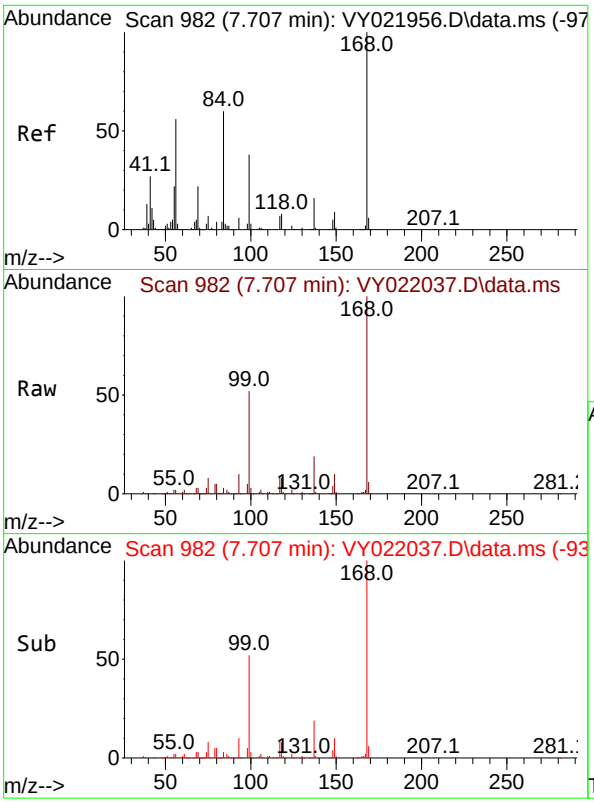


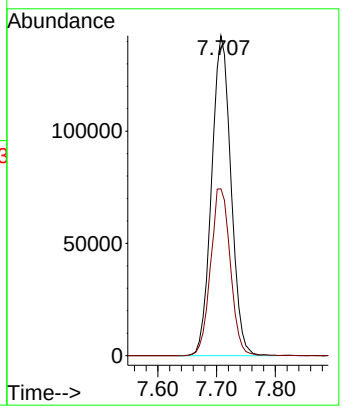


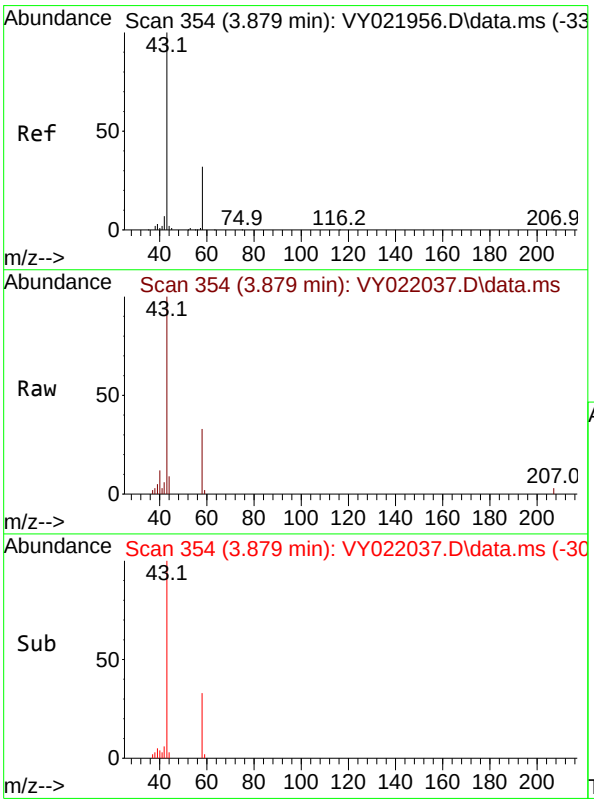
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

Tgt Ion:168 Resp: 325898

Ion	Ratio	Lower	Upper
168	100		
99	52.1	43.1	64.7

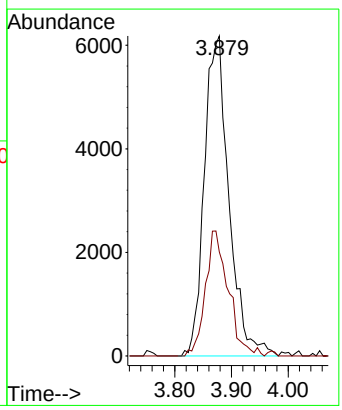


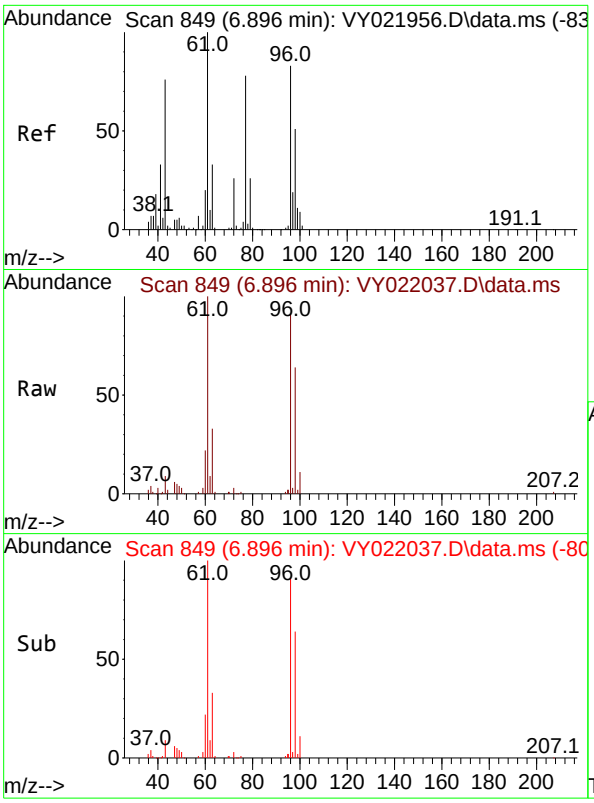


#16
Acetone
Concen: 28.285 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion: 43 Resp: 18609

Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.0	40.4



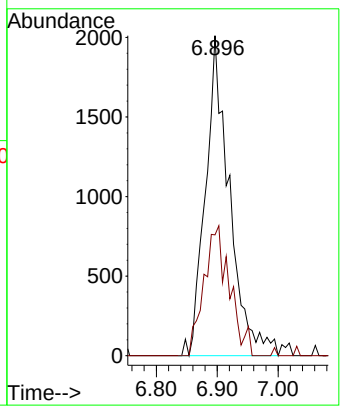


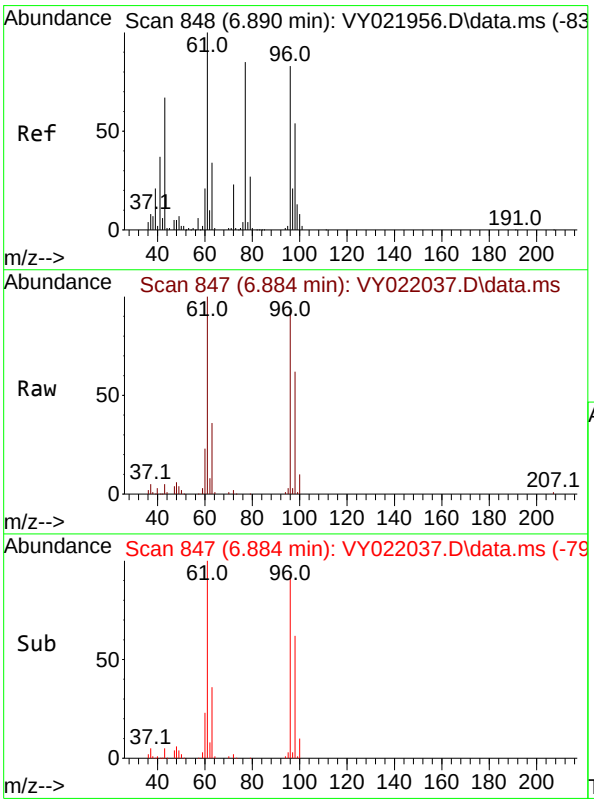
#25
2-Butanone
Concen: 8.008 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

Tgt Ion: 43 Resp: 5495

Ion	Ratio	Lower	Upper
43	100		
72	37.7	27.0	40.4

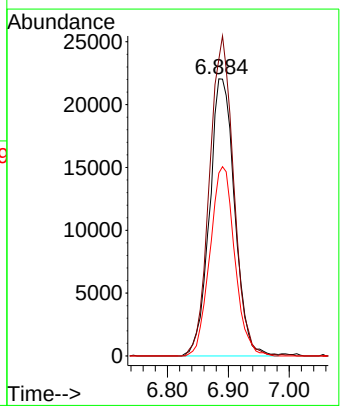


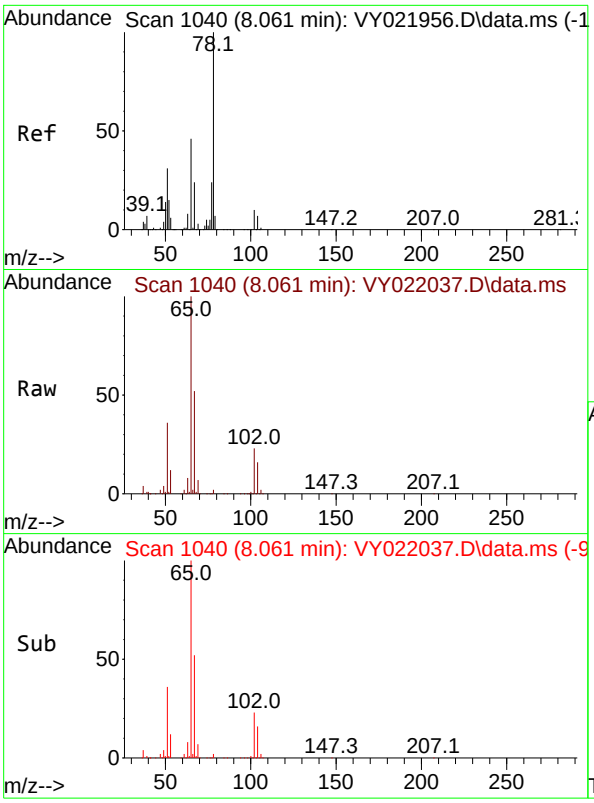


#27
cis-1,2-Dichloroethene
Concen: 15.569 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion: 96 Resp: 63163

Ion	Ratio	Lower	Upper
96	100		
61	111.0	0.0	251.4
98	67.3	0.0	128.4



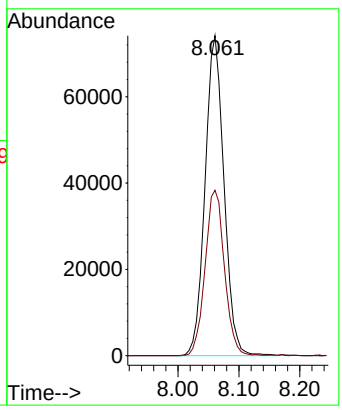


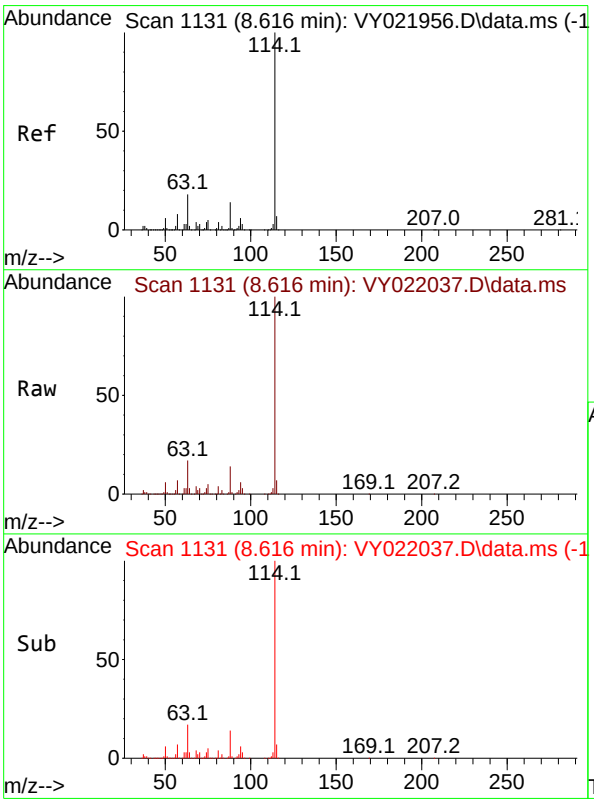
#33
1,2-Dichloroethane-d4
Concen: 53.182 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

Tgt Ion: 65 Resp: 160093

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8

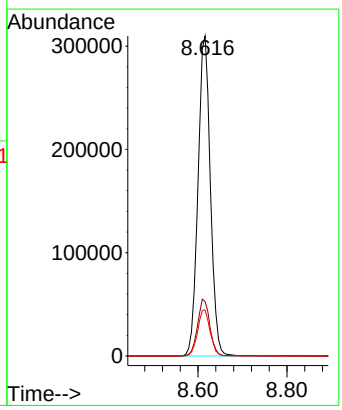


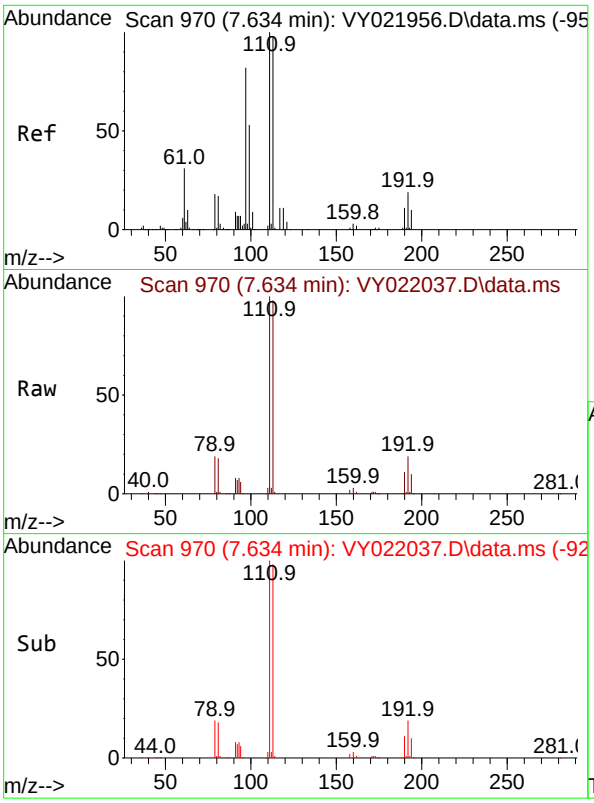


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion:114 Resp: 600876

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	35.4
88	14.4	0.0	28.2



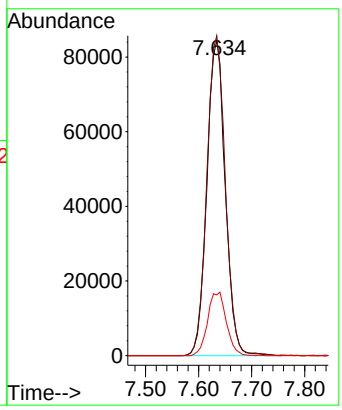


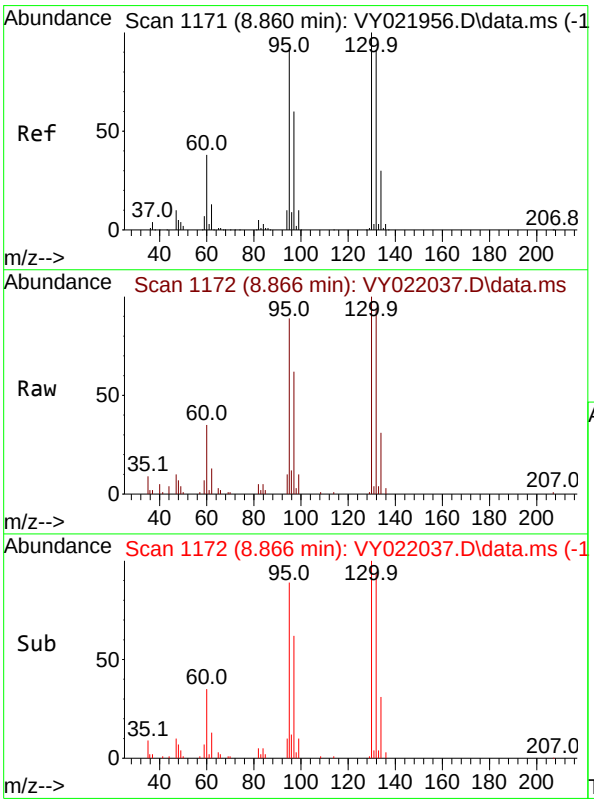
#35
Dibromofluoromethane
Concen: 51.182 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

Tgt Ion:113 Resp: 203179

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	20.6	15.6	23.4

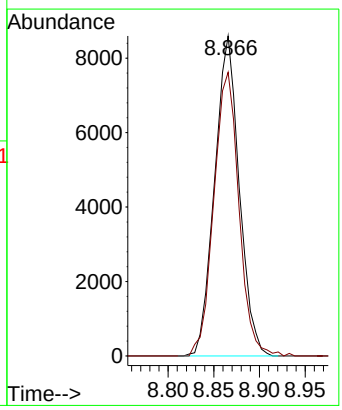


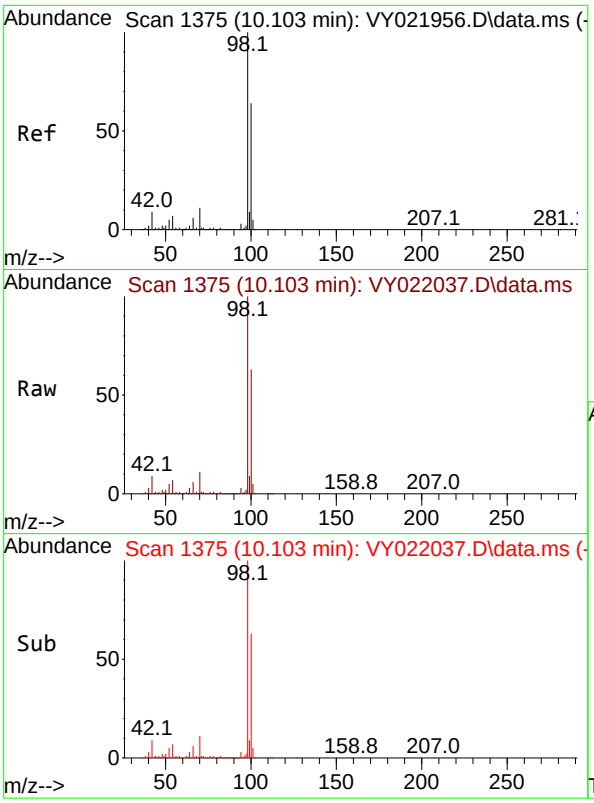


#44
Trichloroethene
Concen: 3.491 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion:130 Resp: 16118

Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	183.2



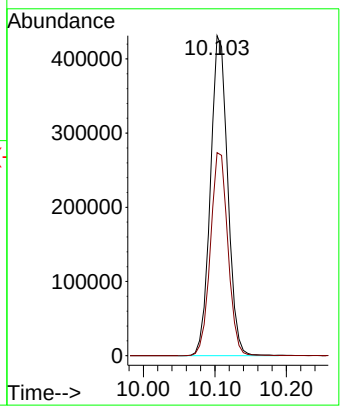


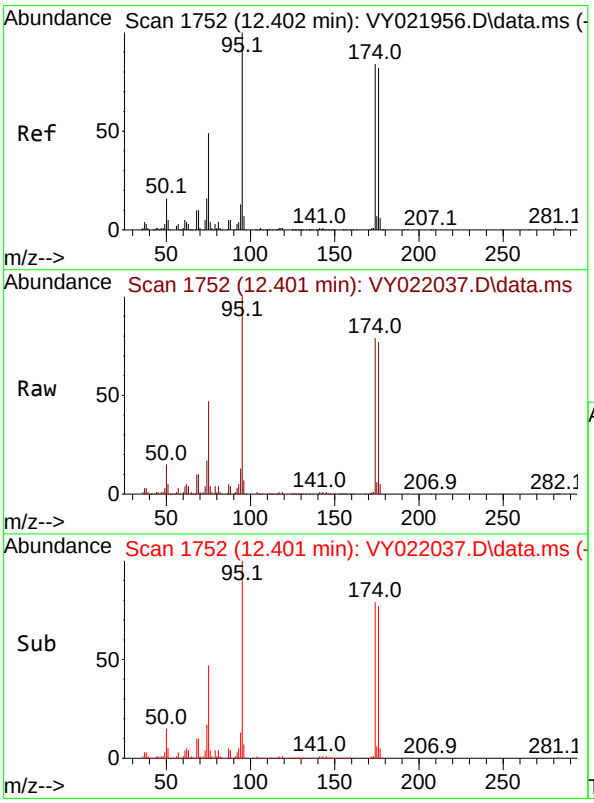
#50
Toluene-d8
Concen: 48.273 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

Tgt Ion: 98 Resp: 722448

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

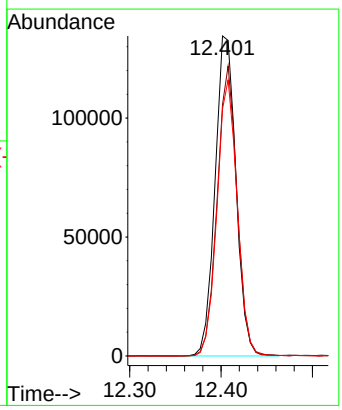


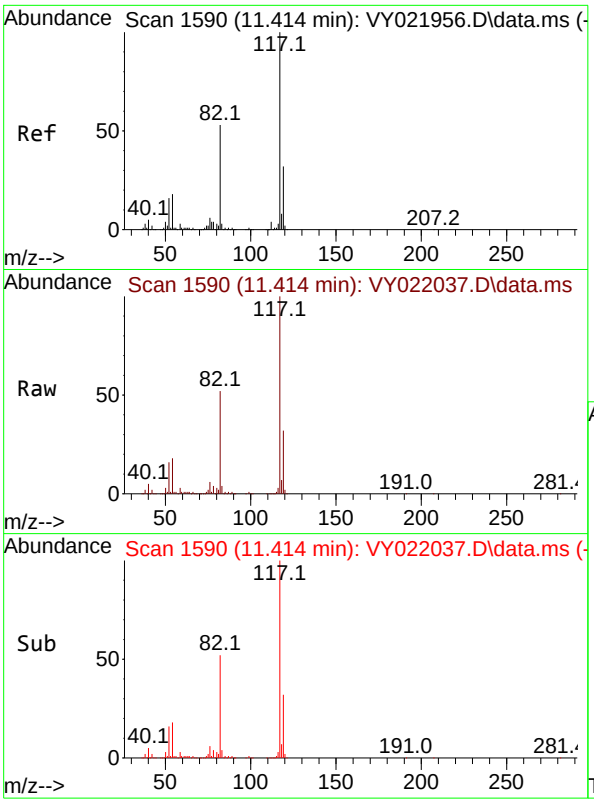


#62
4-Bromofluorobenzene
Concen: 42.428 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion: 95 Resp: 213758

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	179.0
176	83.4	0.0	171.8



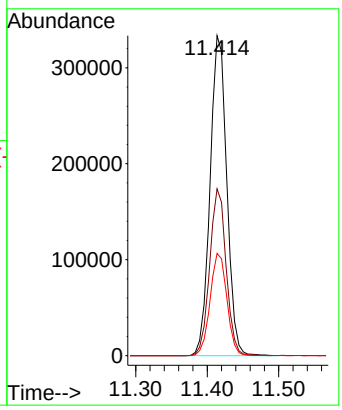


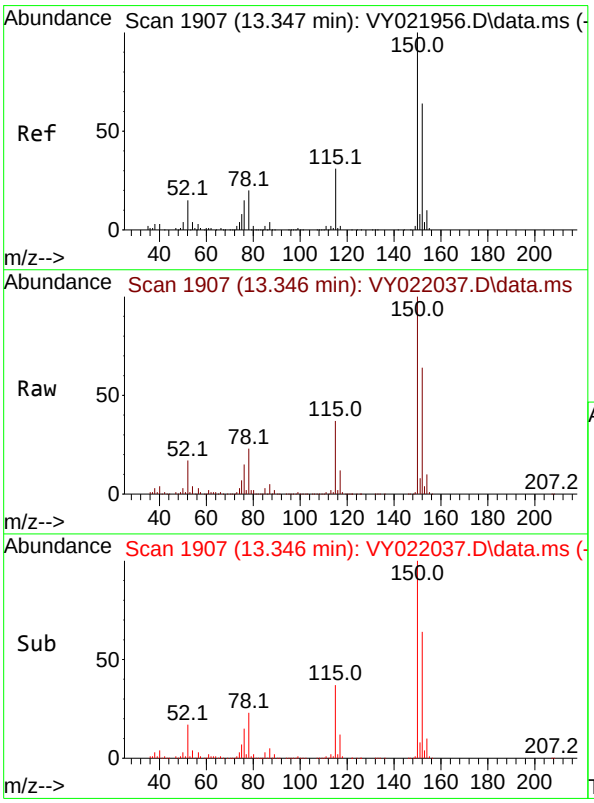
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Instrument :
MSVOA_Y
ClientSampleId :
MH-D-VOC

Tgt Ion:117 Resp: 540553

Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.1	63.1
119	32.0	25.7	38.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022037.D
Acq: 28 Apr 2025 17:25

Tgt Ion:152 Resp: 215571

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.0	84.0
150	156.8	0.0	345.6