Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022089.D
Acq On : 30 Apr 2025 17:52
Operator : SY/MD
Sample : Q1901-04
Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

Quant Time: May 01 01:39:09 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	381091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	712829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	629182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	233488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	188495	53.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.100%			
35) Dibromofluoromethane	7.628	113	240173	50.999	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.000%			
50) Toluene-d8	10.103	98	847633	47.743	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.480%			
62) 4-Bromofluorobenzene	12.401	95	235165	39.347	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.700%			
Target Compounds						Qvalue
16) Acetone	3.866	43	62048	123.893	ug/l	98
17) Carbon Disulfide	4.104	76	59112	4.894	ug/l	99
18) Methyl Acetate	4.385	43	2398	1.458	ug/l #	72
25) 2-Butanone	6.890	43	18807	23.439	ug/l	94

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

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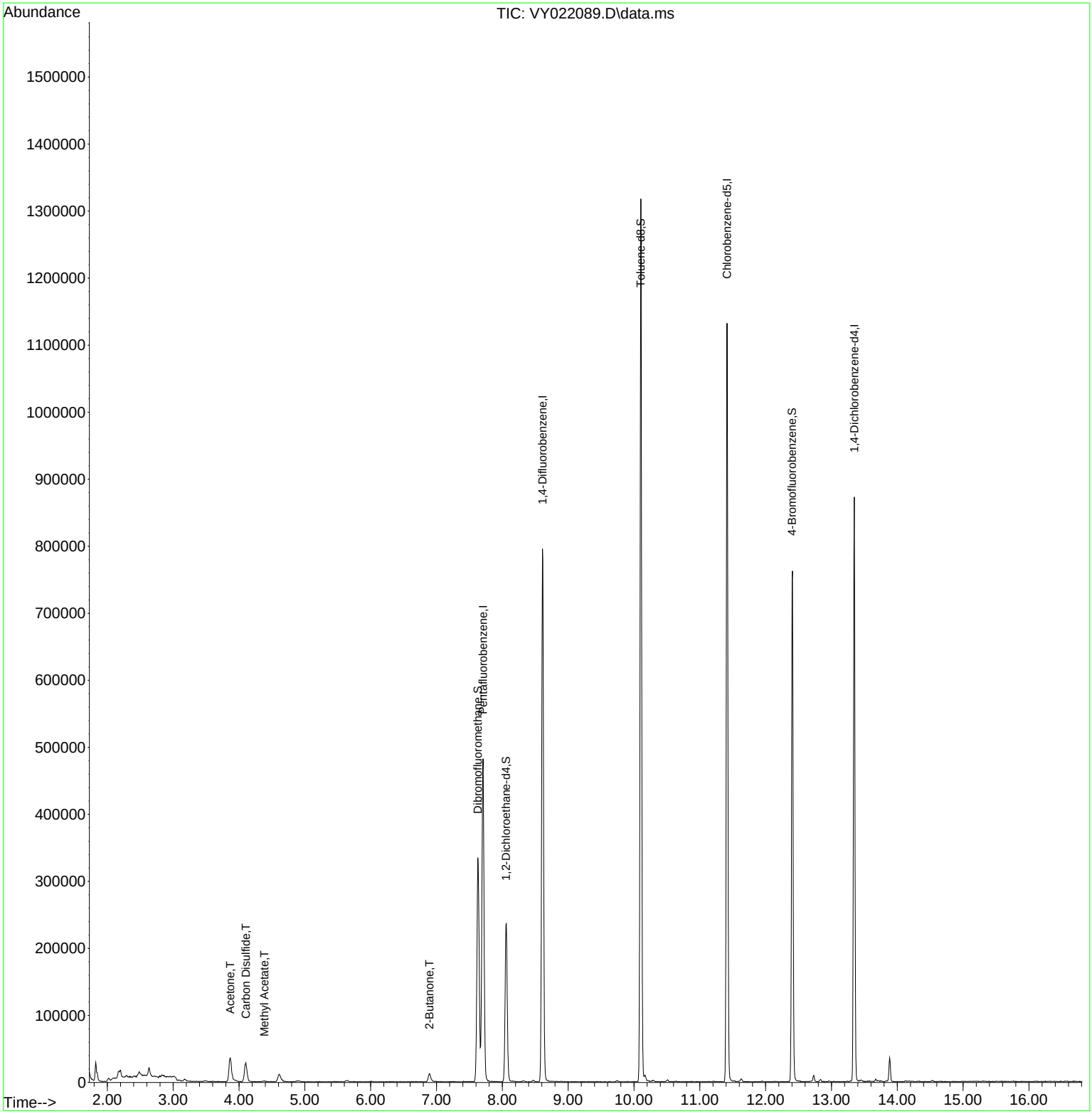
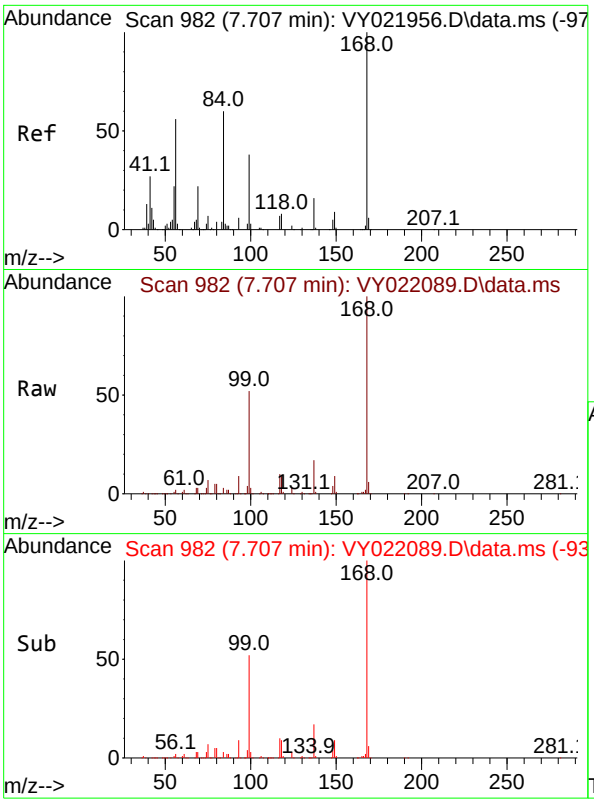


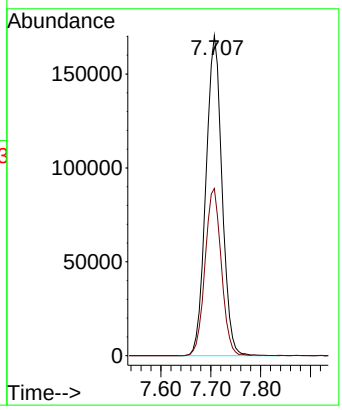


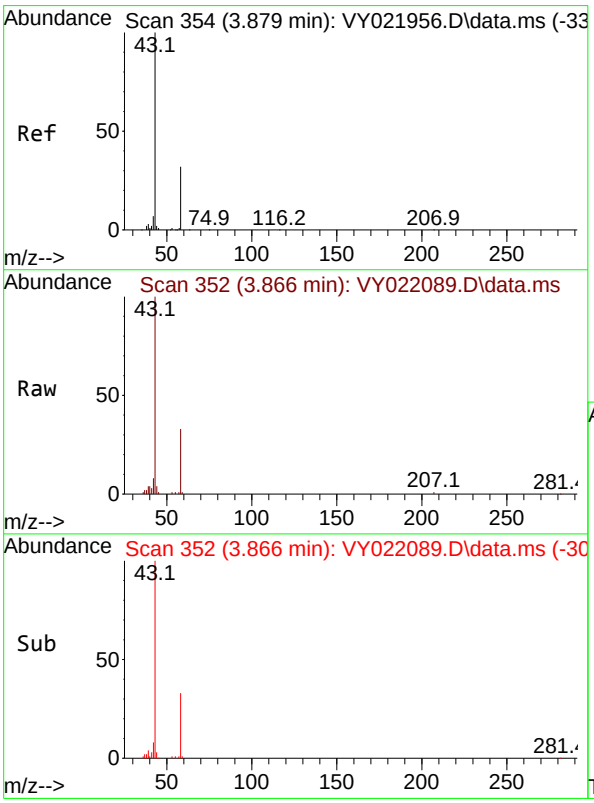
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

Tgt Ion:168 Resp: 381091

Ion	Ratio	Lower	Upper
168	100		
99	52.3	43.1	64.7

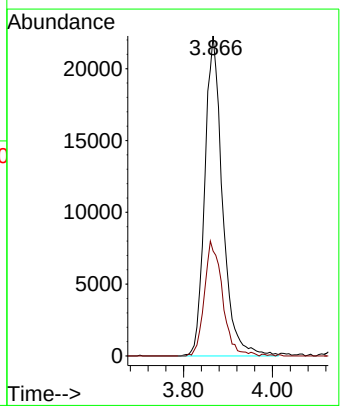


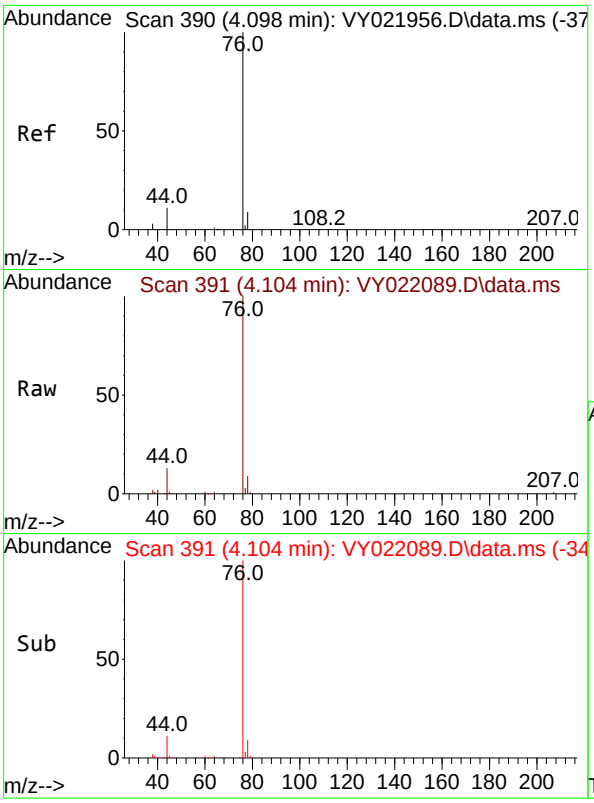


#16
Acetone
Concen: 123.893 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 43 Resp: 62048

Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.0	40.4



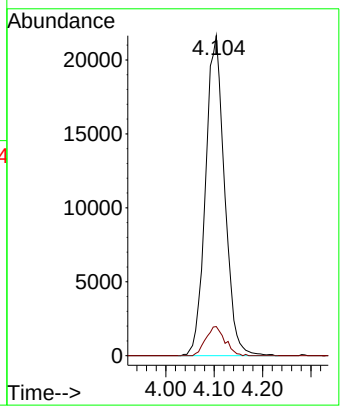


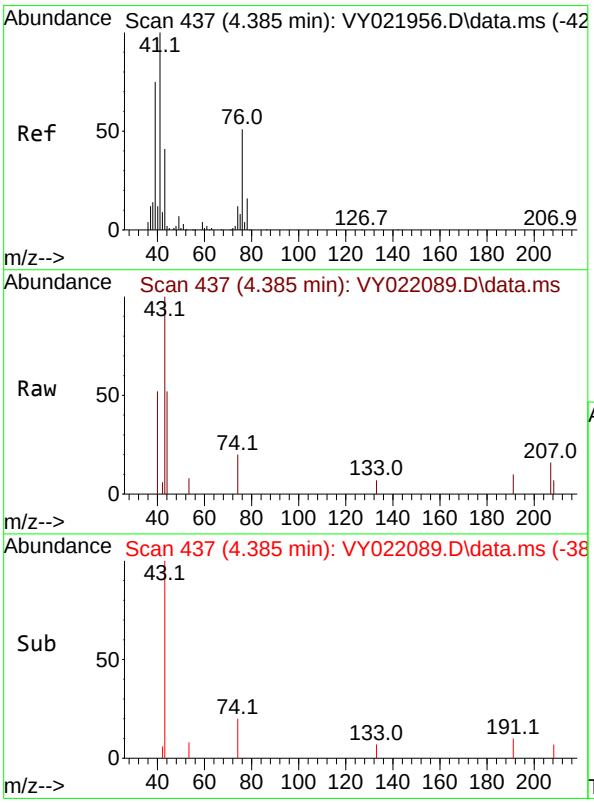
#17
Carbon Disulfide
Concen: 4.894 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

Tgt Ion: 76 Resp: 59112

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.6	11.4

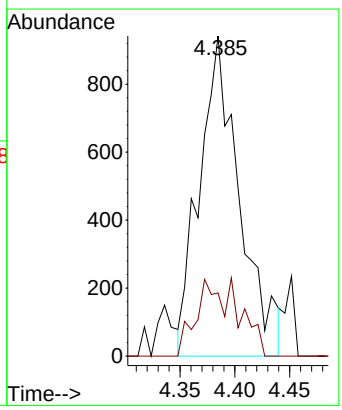


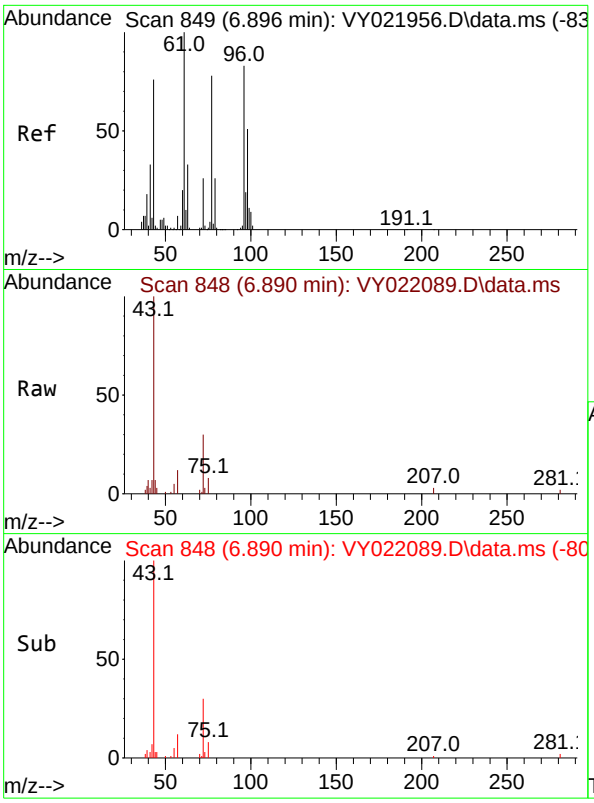


#18
Methyl Acetate
Concen: 1.458 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 43 Resp: 2398

Ion	Ratio	Lower	Upper
43	100		
74	15.2	24.2	36.4#



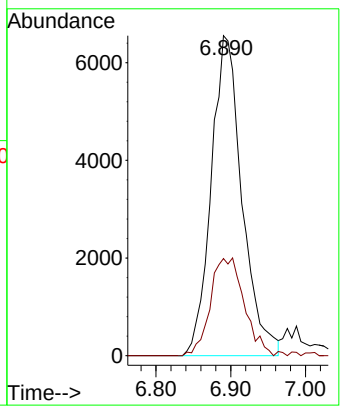


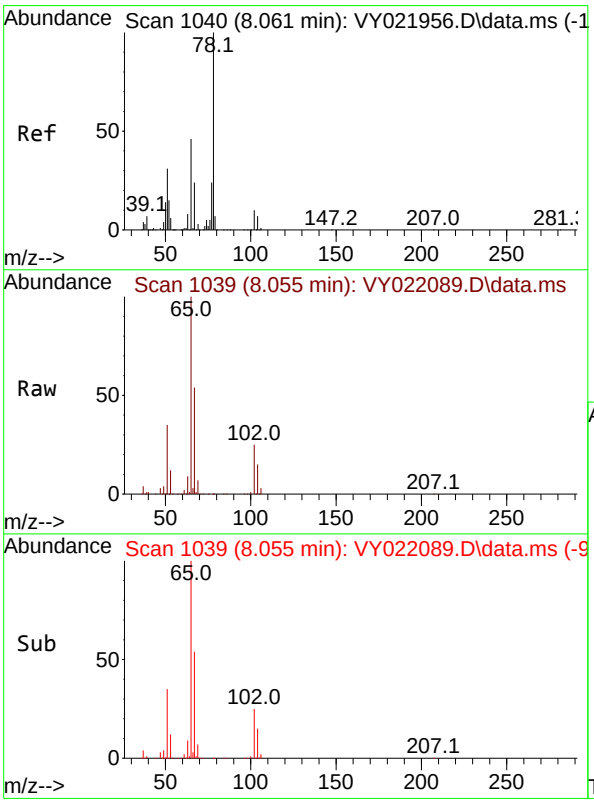
#25
2-Butanone
Concen: 23.439 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

Tgt Ion: 43 Resp: 18807

Ion	Ratio	Lower	Upper
43	100		
72	30.3	27.0	40.4

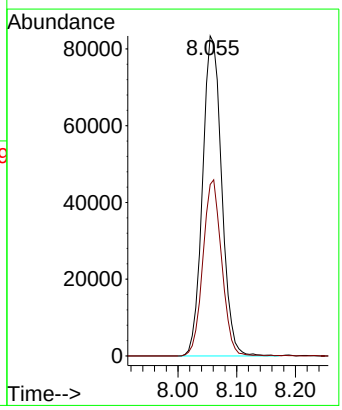


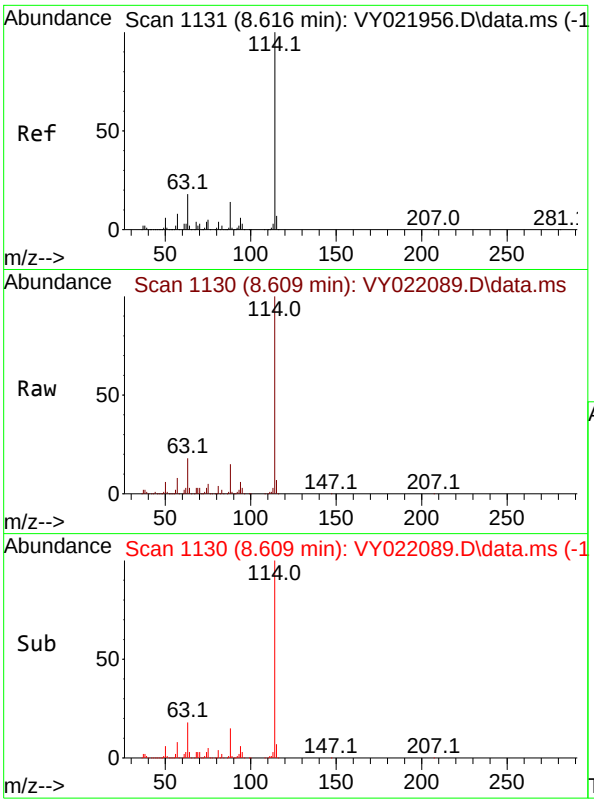


#33
1,2-Dichloroethane-d4
Concen: 53.549 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 65 Resp: 188495

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.8



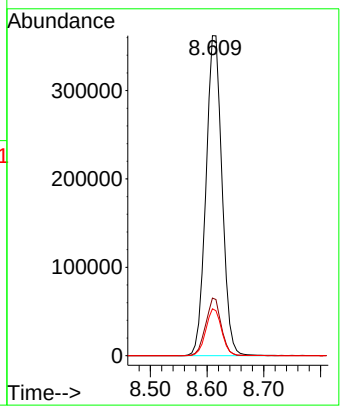


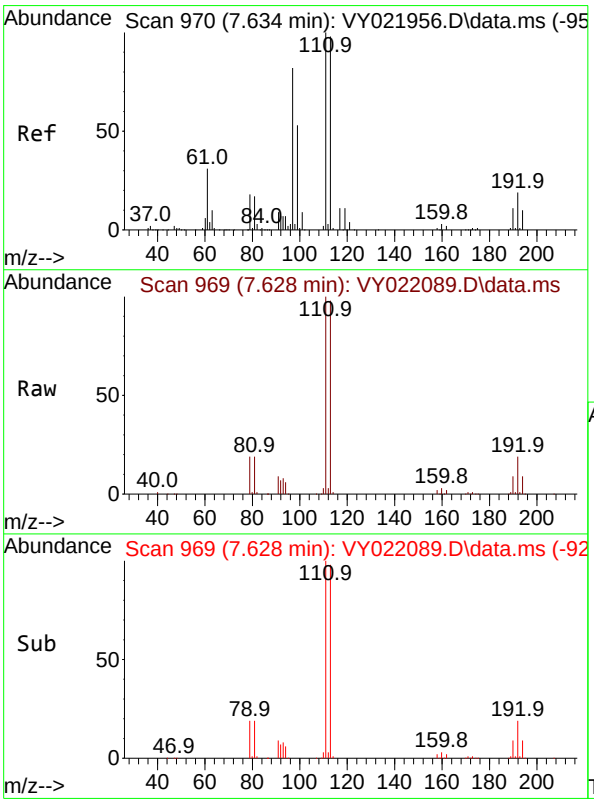
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

Tgt Ion:114 Resp: 712829

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.4
88	14.7	0.0	28.2

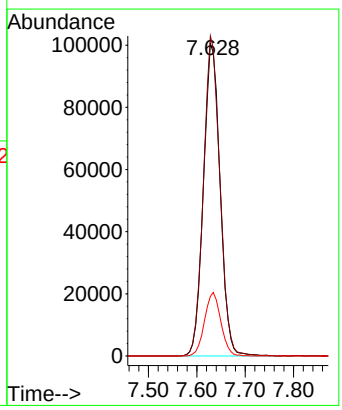


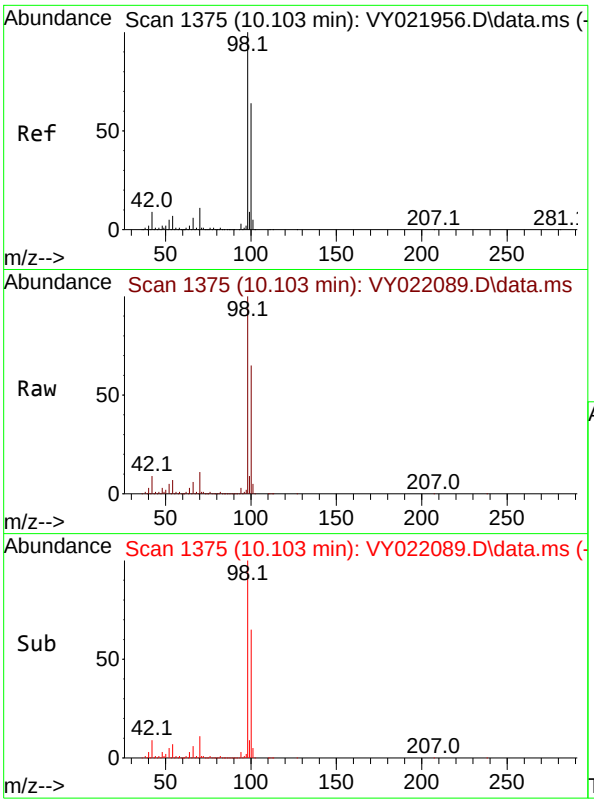


#35
Dibromofluoromethane
Concen: 50.999 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion:113 Resp: 240173

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.8
192	19.9	15.6	23.4



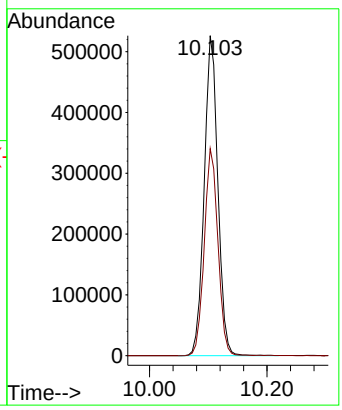


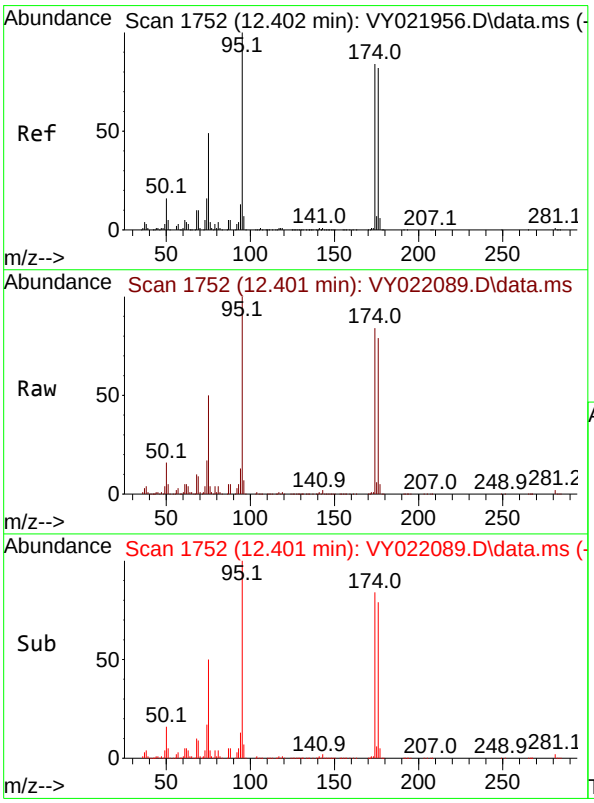
#50
Toluene-d8
Concen: 47.743 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

Tgt Ion: 98 Resp: 847633

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4

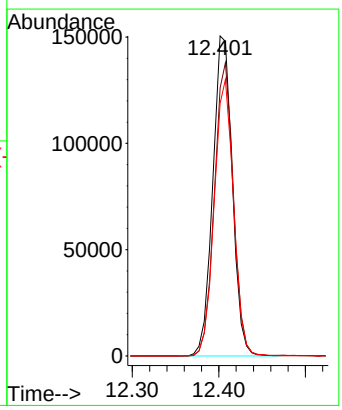


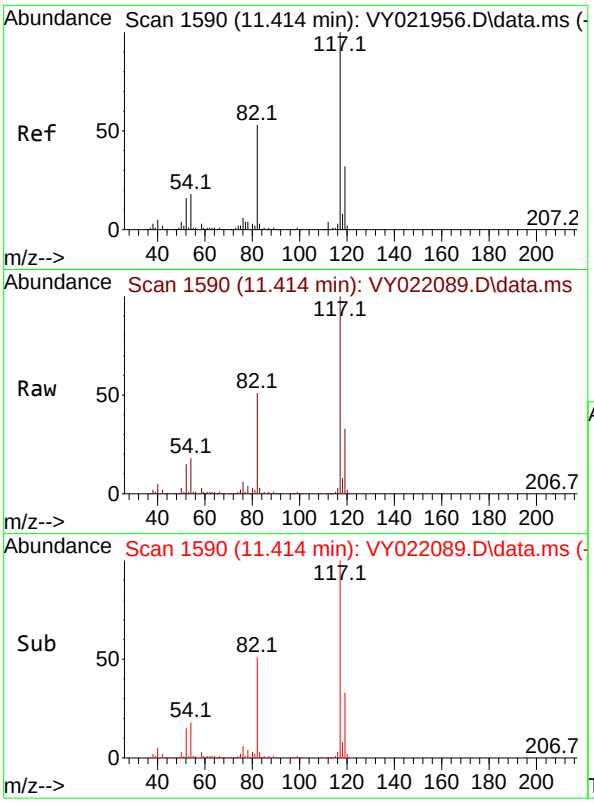


#62
4-Bromofluorobenzene
Concen: 39.347 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 95 Resp: 235165

Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	179.0
176	85.7	0.0	171.8



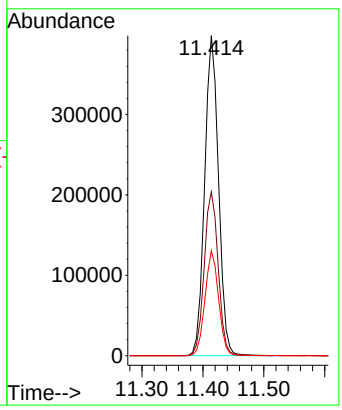


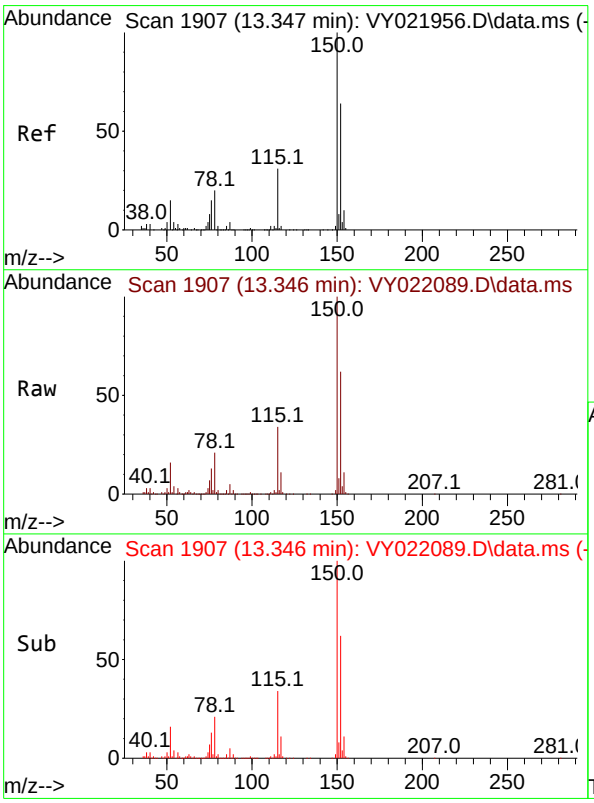
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

Tgt Ion:117 Resp: 629182

Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.1	63.1
119	32.8	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: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion:152 Resp: 233488

Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	84.0
150	154.3	0.0	345.6