Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
Data File : VY013902.D
Acq On : 26 May 2023 18:44
Operator : KP/MD
Sample : 02955-02
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DUP02

Quant Time: May 29 04:36:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	158432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	270053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	268587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115494	63.012	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.020%			
35) Dibromofluoromethane	7.722	113	93304	53.499	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.000%			
50) Toluene-d8	10.179	98	332574	50.174	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.340%			
62) 4-Bromofluorobenzene	12.477	95	111891	50.783	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.560%			
Target Compounds						Qvalue
13) Acrolein	3.729	56	1607	7.609	ug/l #	79
16) Acetone	3.954	43	79631	146.379	ug/l	97
17) Carbon Disulfide	4.192	76	4865	1.052	ug/l	95
20) Methylene Chloride	4.723	84	23080	9.930	ug/l	93
25) 2-Butanone	6.997	43	17016	25.634	ug/l	97

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

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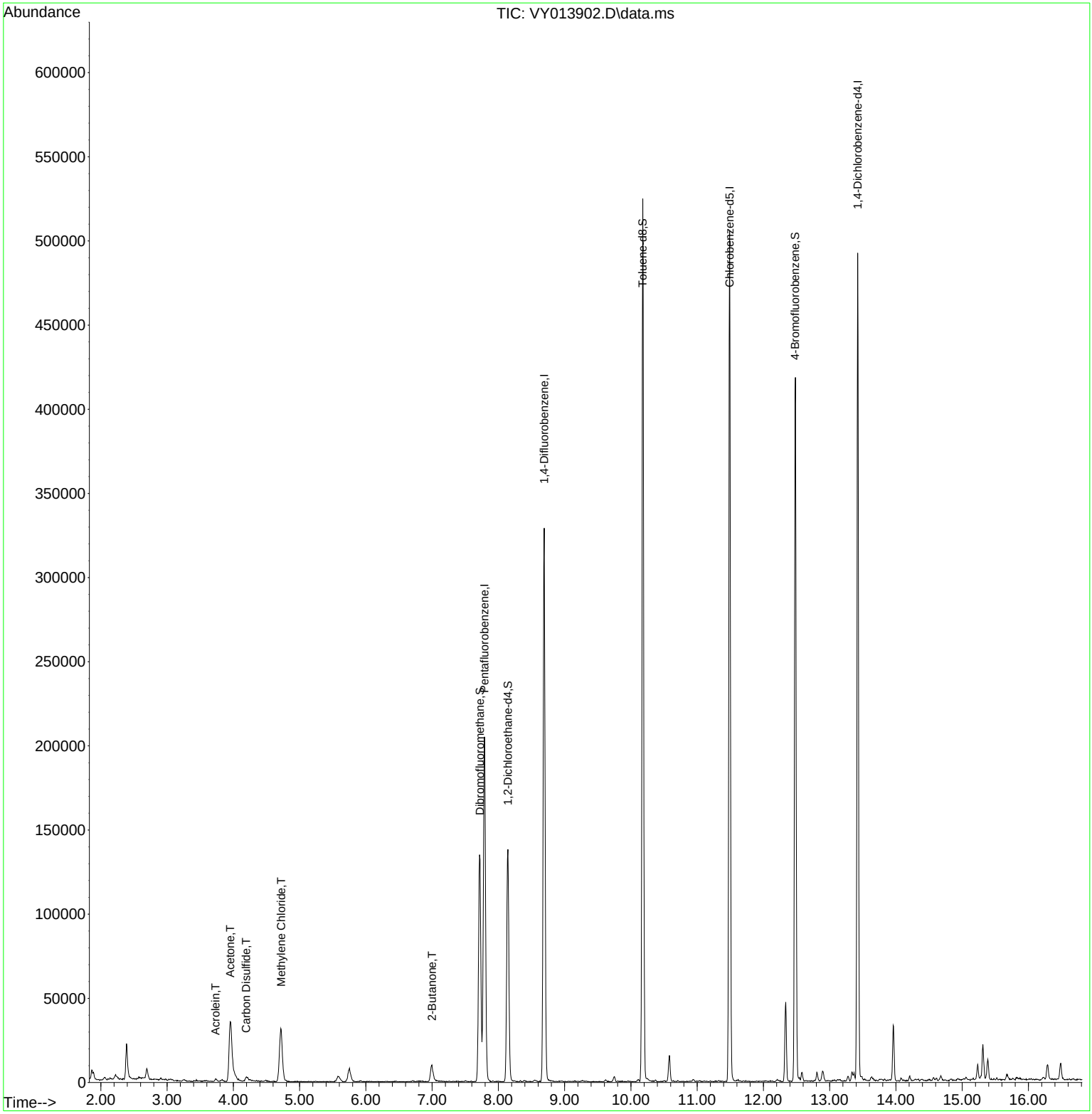
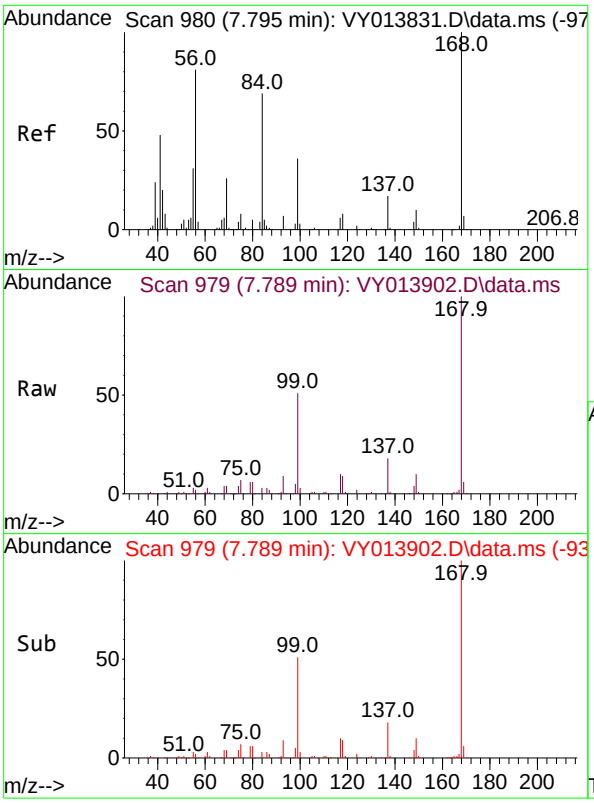


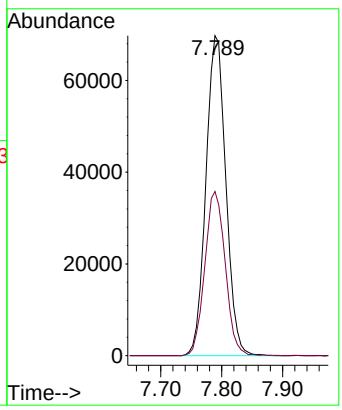


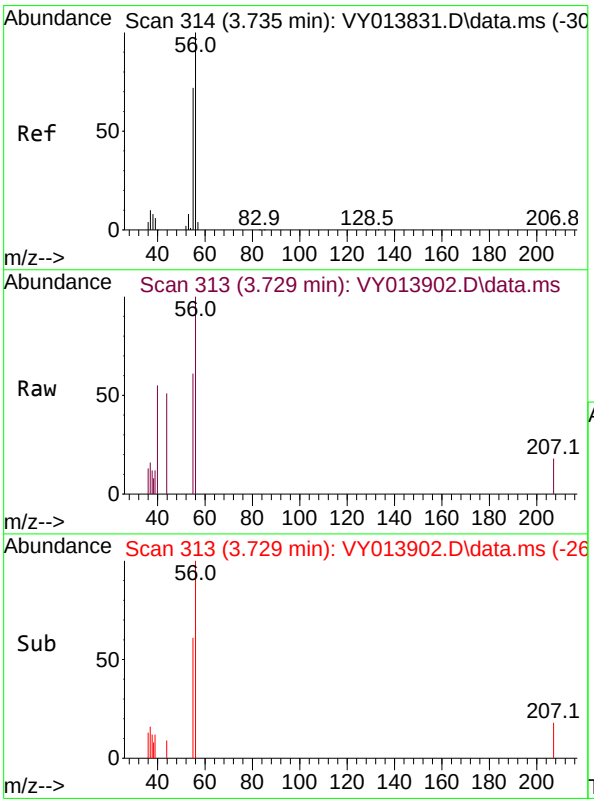
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
DUP02

Tgt Ion:168 Resp: 158432

Ion	Ratio	Lower	Upper
168	100		
99	51.3	43.4	65.2

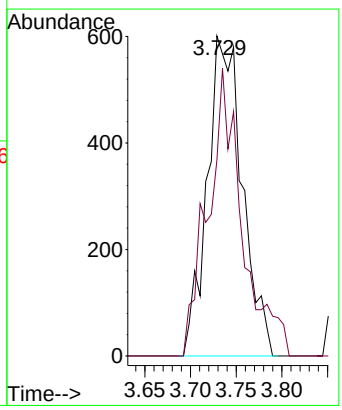


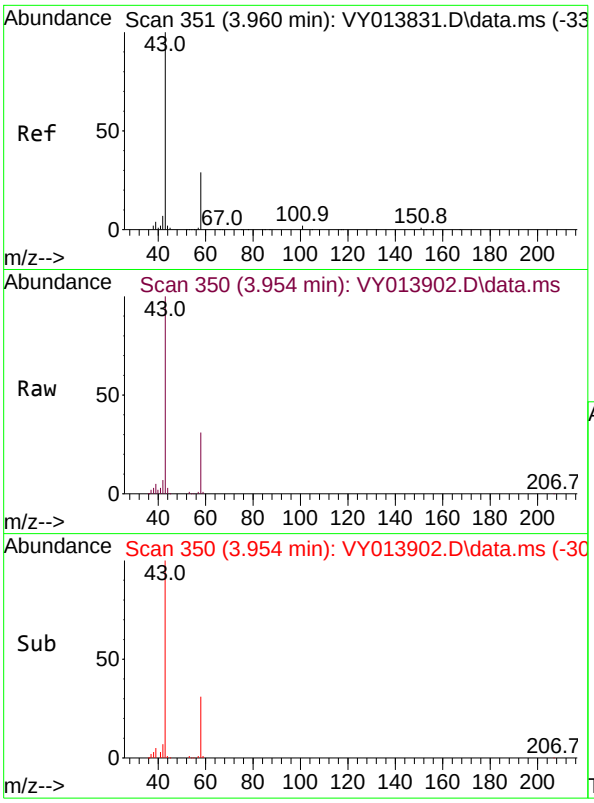


#13
Acrolein
Concen: 7.609 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion: 56 Resp: 1607

Ion	Ratio	Lower	Upper
56	100		
55	87.4	56.2	84.2#



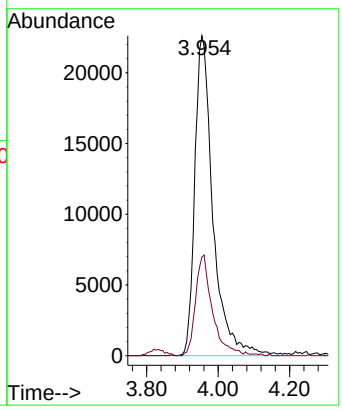


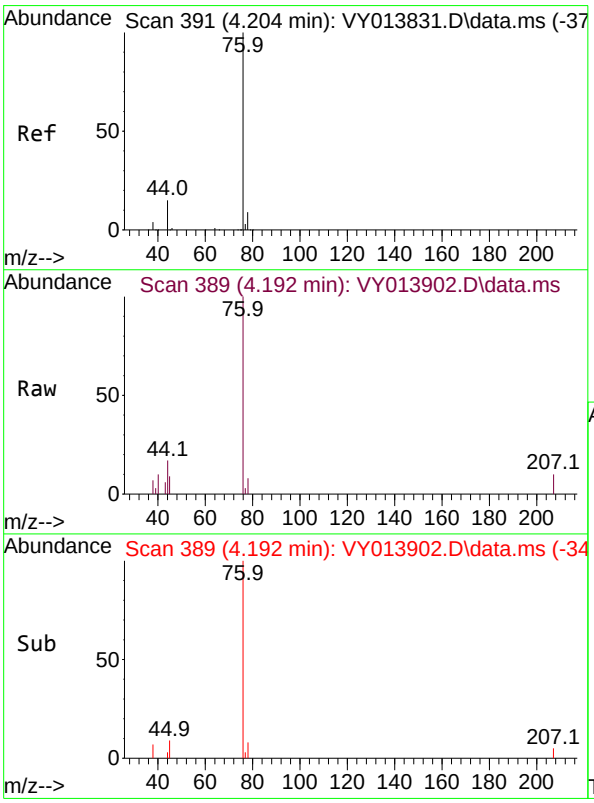
#16
Acetone
Concen: 146.379 ug/l
RT: 3.954 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
DUP02

Tgt Ion: 43 Resp: 79631

Ion	Ratio	Lower	Upper
43	100		
58	30.8	23.3	34.9

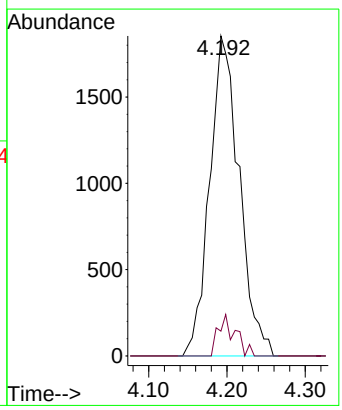


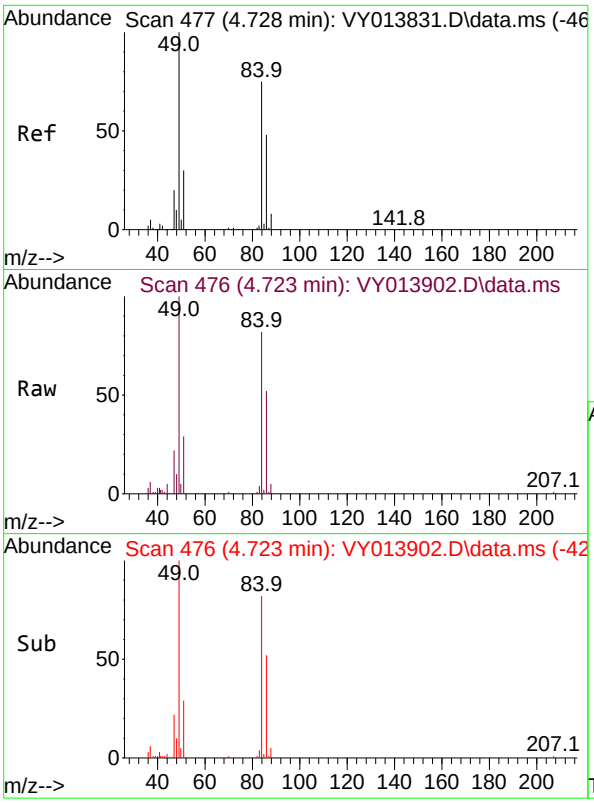


#17
Carbon Disulfide
Concen: 1.052 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.012 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion: 76 Resp: 4865

Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.5	11.3



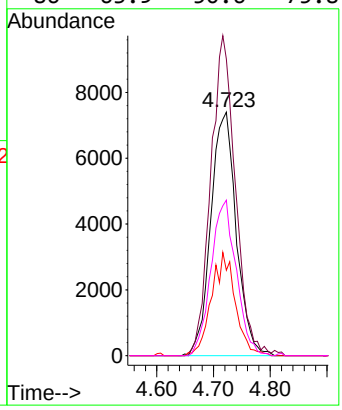


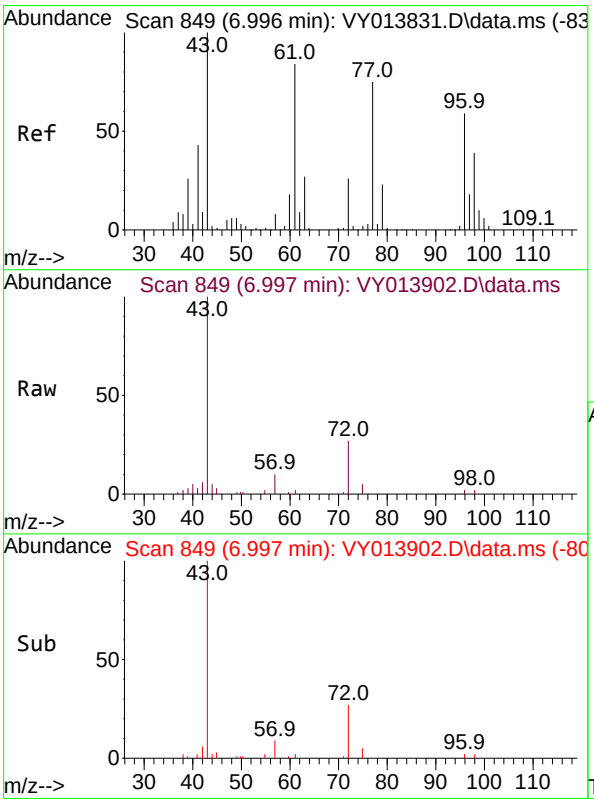
#20
Methylene Chloride
Concen: 9.930 ug/l
RT: 4.723 min Scan# 4
Delta R.T. -0.005 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
DUP02

Tgt Ion: 84 Resp: 23080

Ion	Ratio	Lower	Upper
84	100		
49	121.8	106.2	159.2
51	35.1	31.4	47.0
86	63.9	50.6	75.8

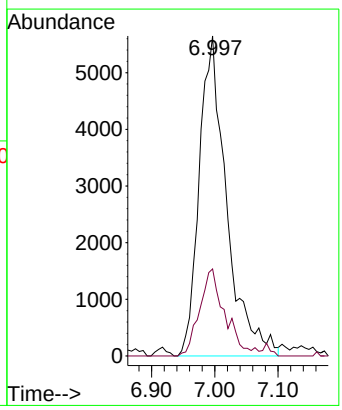


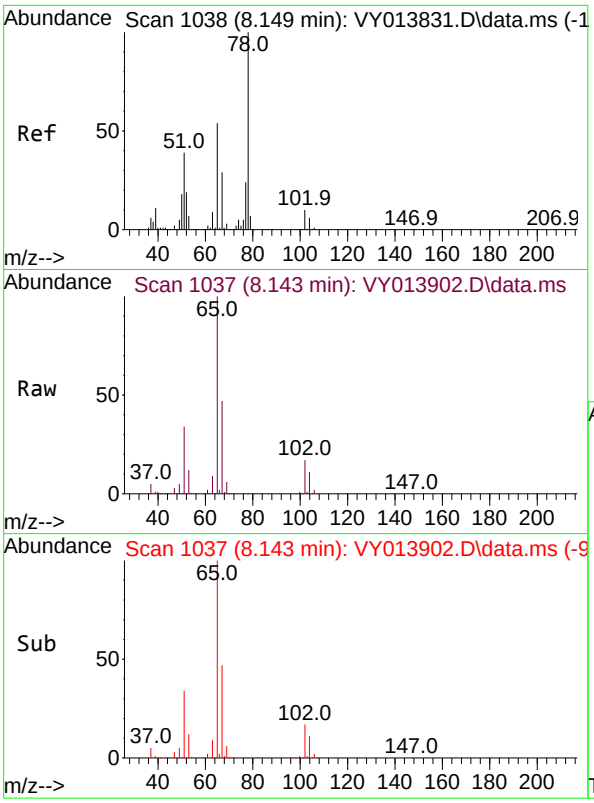


#25
2-Butanone
Concen: 25.634 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion: 43 Resp: 17016

Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.5	30.7



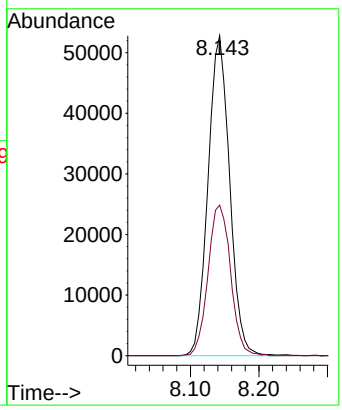


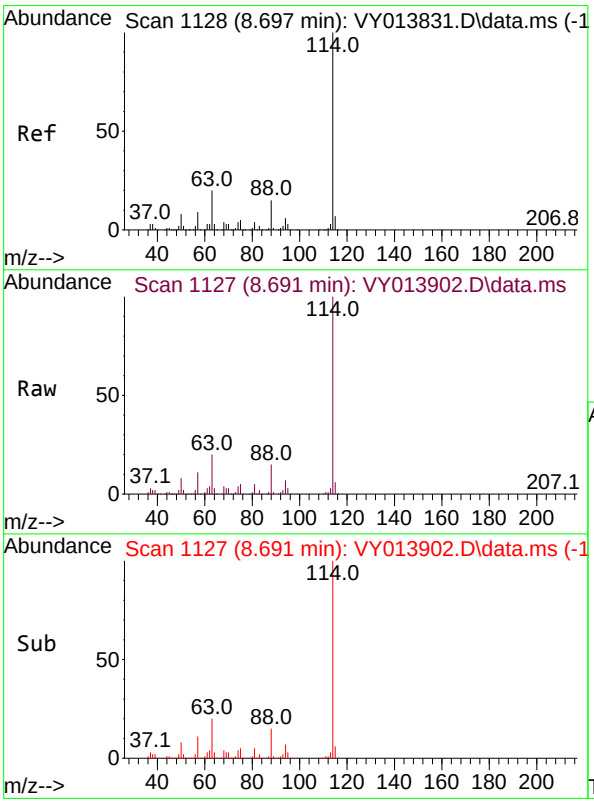
#33
1,2-Dichloroethane-d4
Concen: 63.012 ug/l
RT: 8.143 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
DUP02

Tgt Ion: 65 Resp: 115494

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	104.4

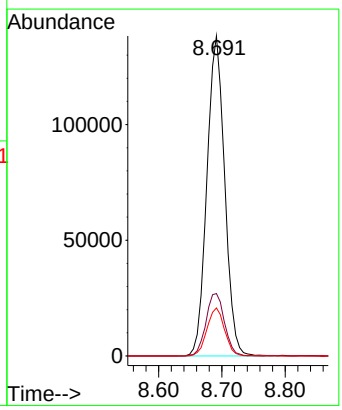


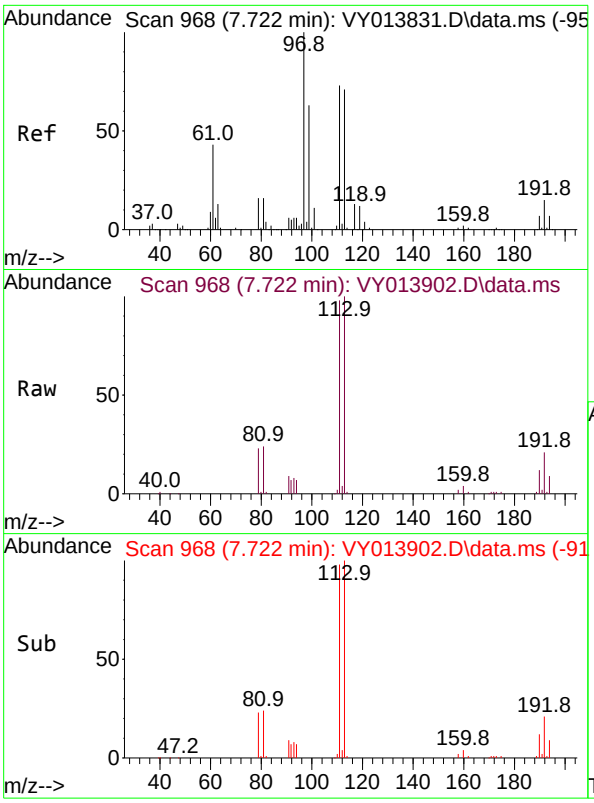


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion:114 Resp: 270053

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.2
88	15.0	0.0	30.0



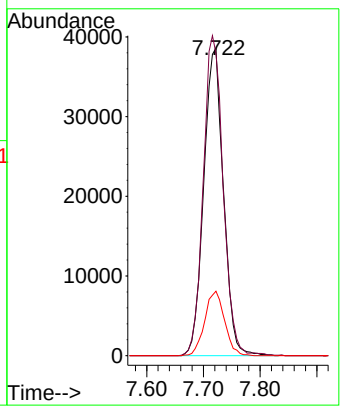


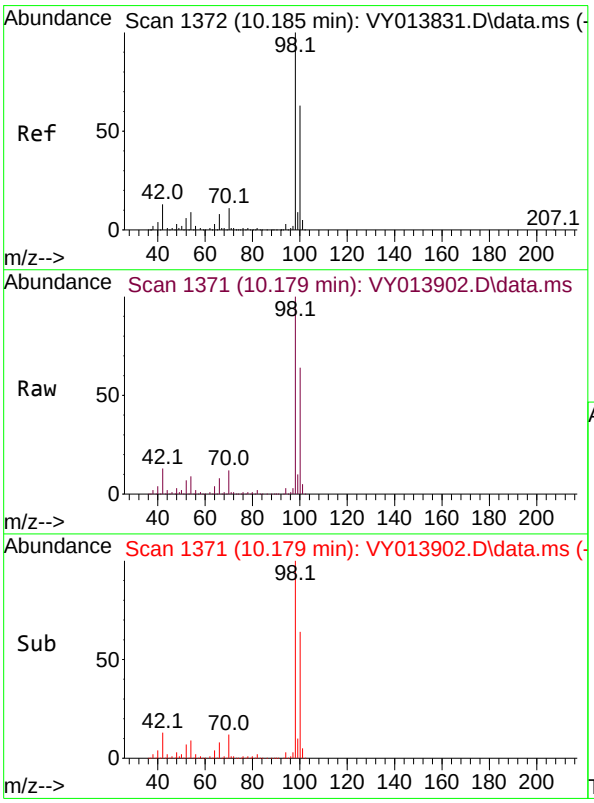
#35
Dibromofluoromethane
Concen: 53.499 ug/l
RT: 7.722 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
DUP02

Tgt Ion:113 Resp: 93304

Ion	Ratio	Lower	Upper
113	100		
111	105.0	80.4	120.6
192	21.1	16.6	25.0

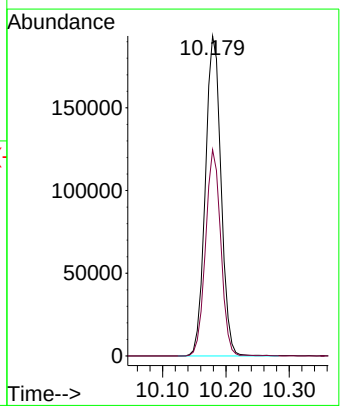


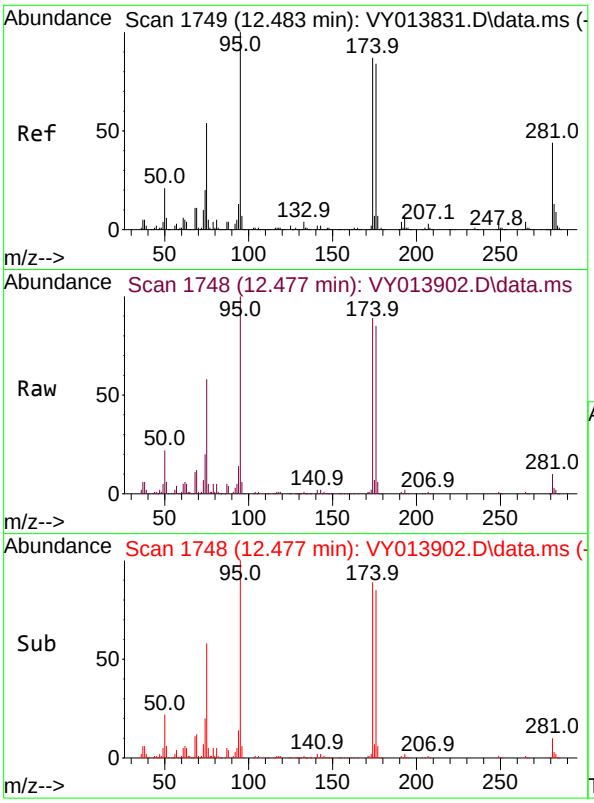


#50
Toluene-d8
Concen: 50.174 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion: 98 Resp: 332574

Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.8	76.2



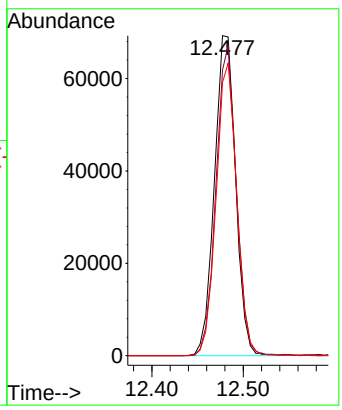


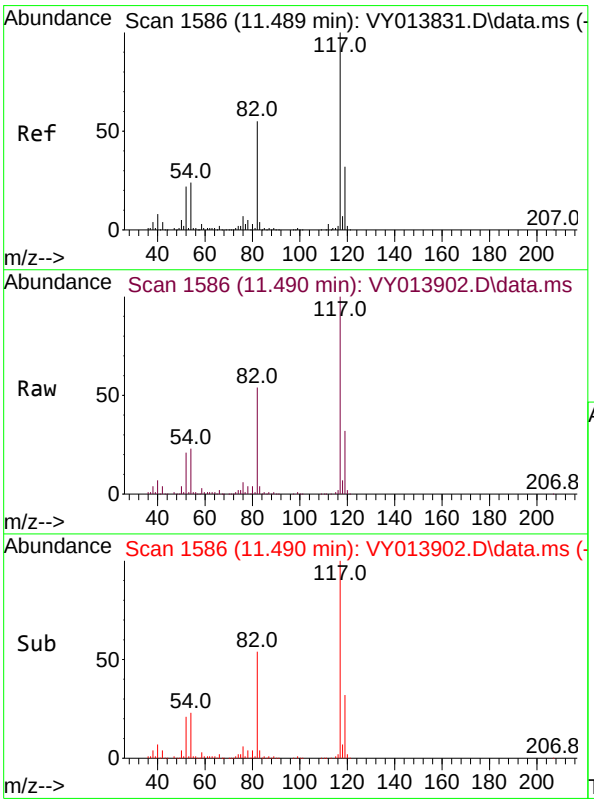
#62
4-Bromofluorobenzene
Concen: 50.783 ug/l
RT: 12.477 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
DUP02

Tgt Ion: 95 Resp: 111891

Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	176.0
176	89.0	0.0	170.2

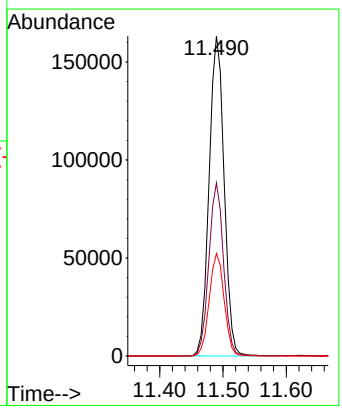


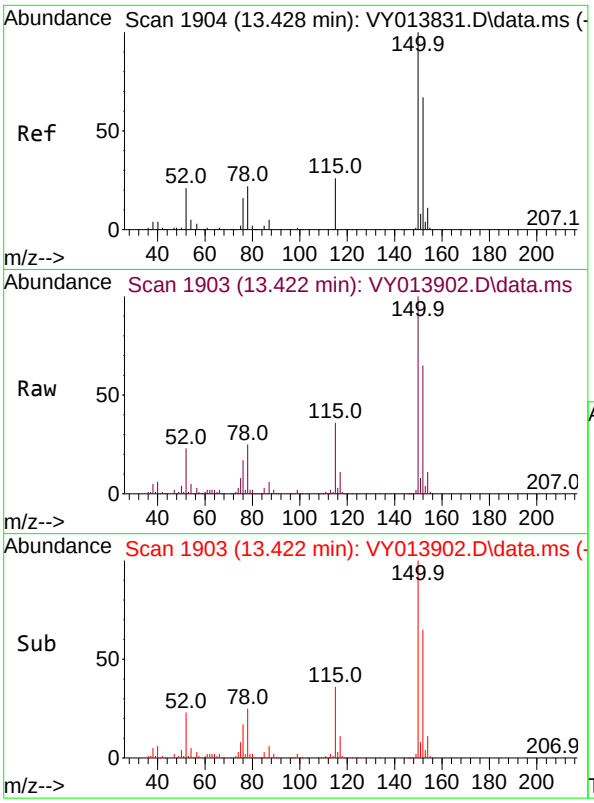


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Tgt Ion:117 Resp: 268587

Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.4
119	32.0	25.7	38.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY013902.D
Acq: 26 May 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
DUP02

Tgt Ion:152 Resp: 123666

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.8	86.5
150	158.4	0.0	353.4