Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
Data File : VY013823.D
Acq On : 19 May 2023 16:00
Operator : KP/MD
Sample : 02852-04
Misc : 6.26g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

Quant Time: May 22 04:21:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
Quant Title : SW846 8260
QLast Update : Thu May 18 06:54:18 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	169444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	256327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107190	54.456	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.920%			
35) Dibromofluoromethane	7.722	113	88388	49.682	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.360%			
50) Toluene-d8	10.179	98	336265	49.856	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.720%			
62) 4-Bromofluorobenzene	12.483	95	101543	45.325	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.660%			
Target Compounds						Qvalue
16) Acetone	3.960	43	48908	82.355	ug/l	94
20) Methylene Chloride	4.716	84	28230	10.978	ug/l	89
24) 1,1-Dichloroethane	6.021	63	13941	4.280	ug/l #	95
27) cis-1,2-Dichloroethene	6.984	96	67476	35.765	ug/l	85
29) Tetrahydrofuran	7.350	42	1334	2.888	ug/l #	50
44) Trichloroethene	8.941	130	1013633	542.810	ug/l	97

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

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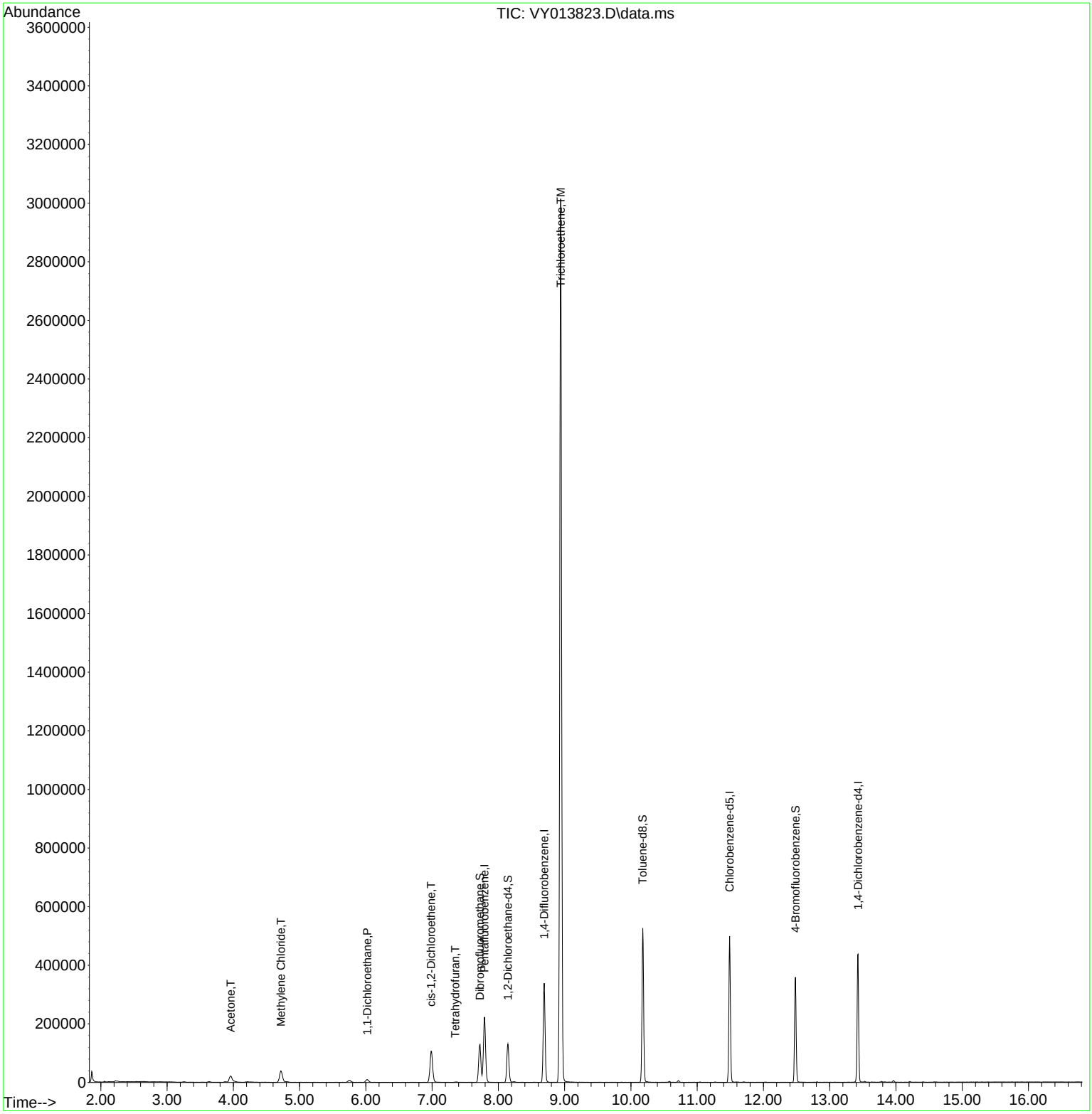
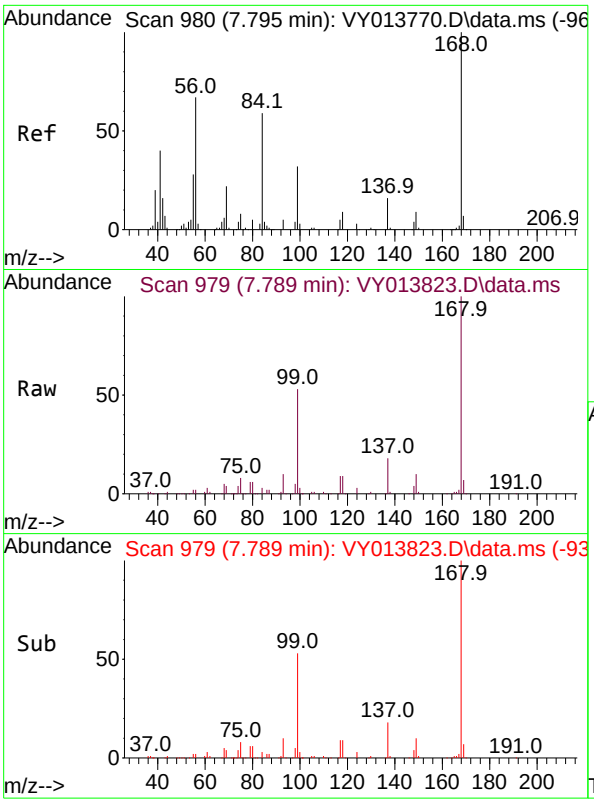


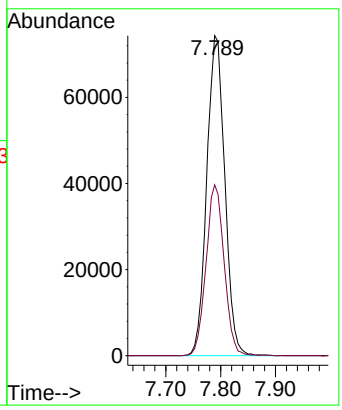


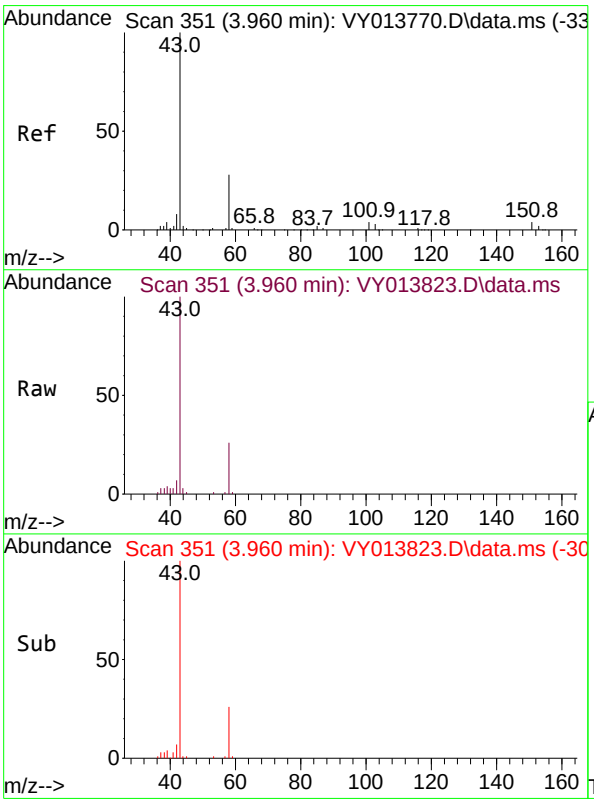
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

Tgt Ion:168 Resp: 169444

Ion	Ratio	Lower	Upper
168	100		
99	53.4	44.0	66.0

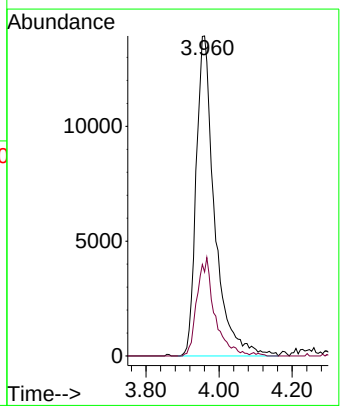


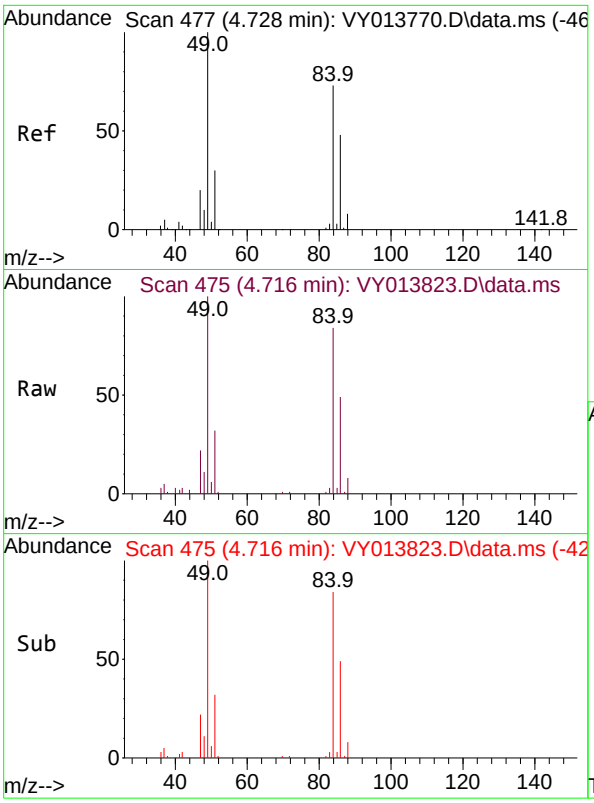


#16
Acetone
Concen: 82.355 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion: 43 Resp: 48908

Ion	Ratio	Lower	Upper
43	100		
58	26.3	23.7	35.5



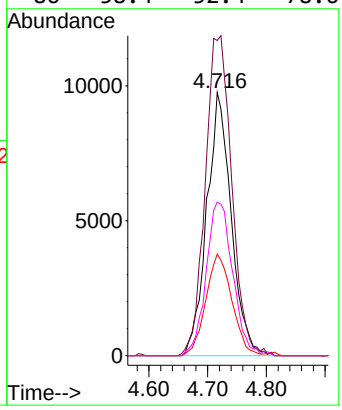


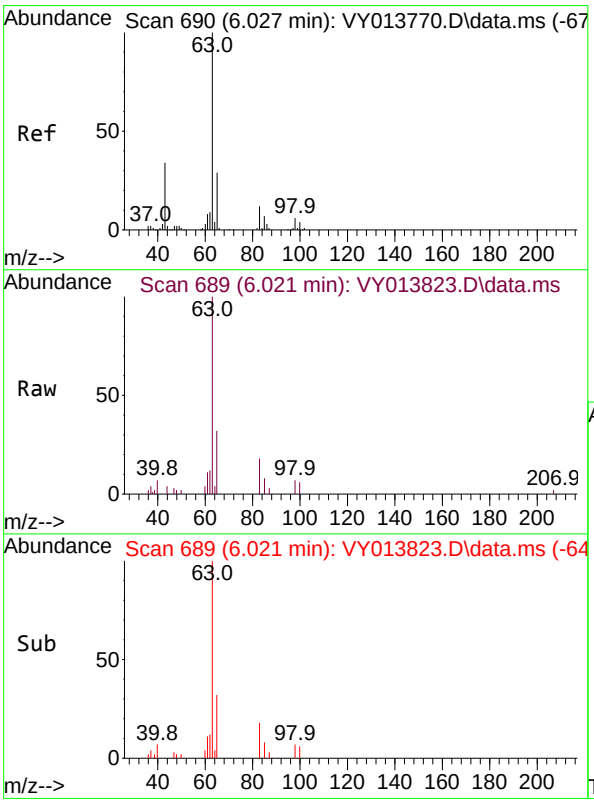
#20
Methylene Chloride
Concen: 10.978 ug/l
RT: 4.716 min Scan# 4
Delta R.T. -0.012 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

Tgt Ion: 84 Resp: 28230

Ion	Ratio	Lower	Upper
84	100		
49	119.7	109.4	164.0
51	38.6	32.8	49.2
86	58.4	52.4	78.6

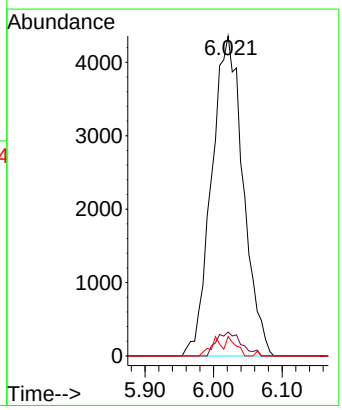


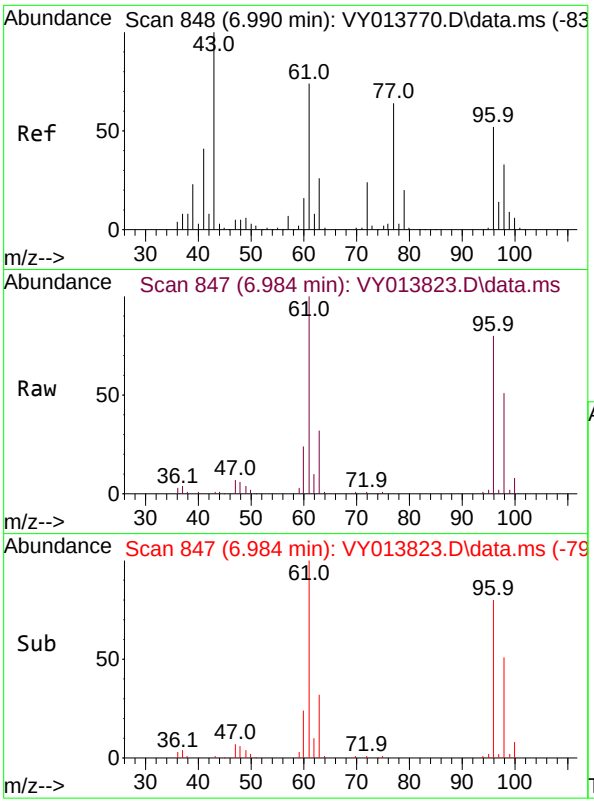


#24
1,1-Dichloroethane
Concen: 4.280 ug/l
RT: 6.021 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion: 63 Resp: 13941

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.0	9.0
100	6.0	2.0	6.0#



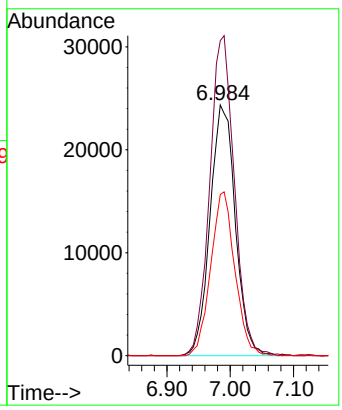


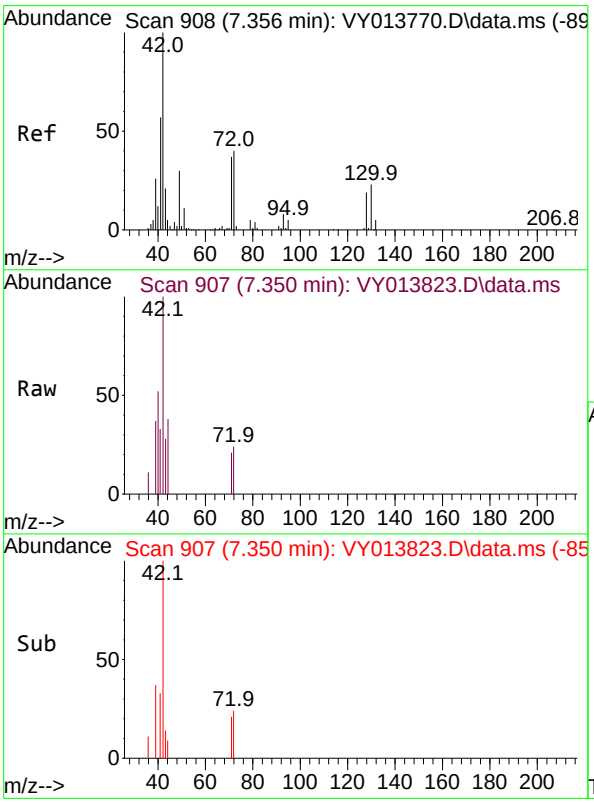
#27
cis-1,2-Dichloroethene
Concen: 35.765 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

Tgt Ion: 96 Resp: 67476

Ion	Ratio	Lower	Upper
96	100		
61	124.7	0.0	300.6
98	62.6	0.0	127.8

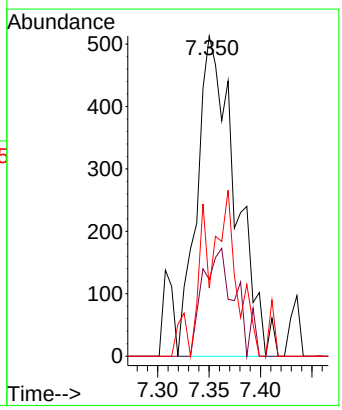


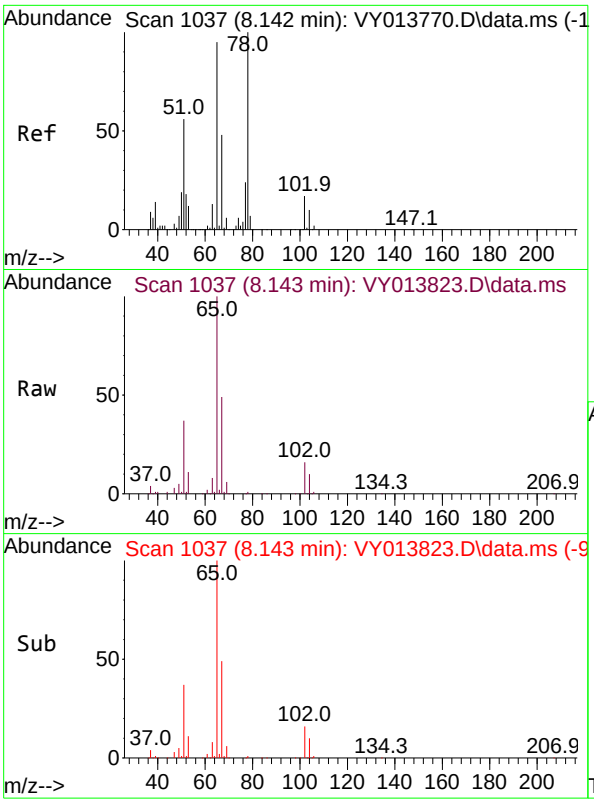


#29
Tetrahydrofuran
Concen: 2.888 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.006 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion: 42 Resp: 1334

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	15.2	29.0	43.6#



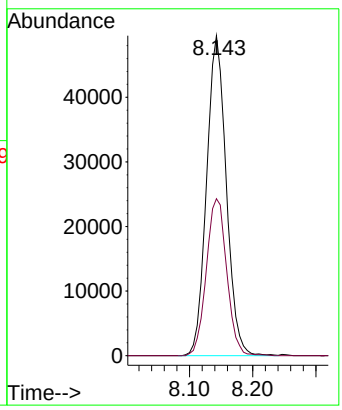


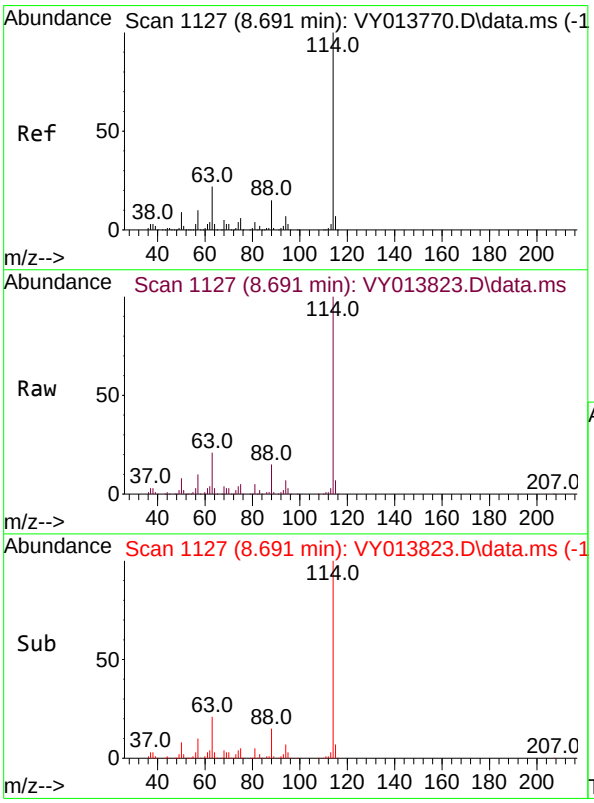
#33
1,2-Dichloroethane-d4
Concen: 54.456 ug/l
RT: 8.143 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

Tgt Ion: 65 Resp: 107190

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	105.6

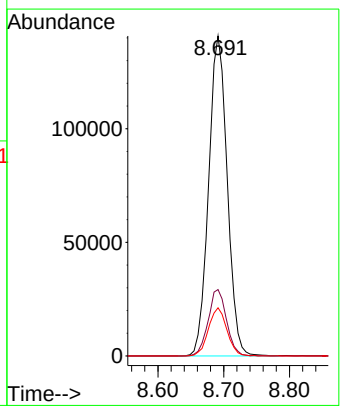


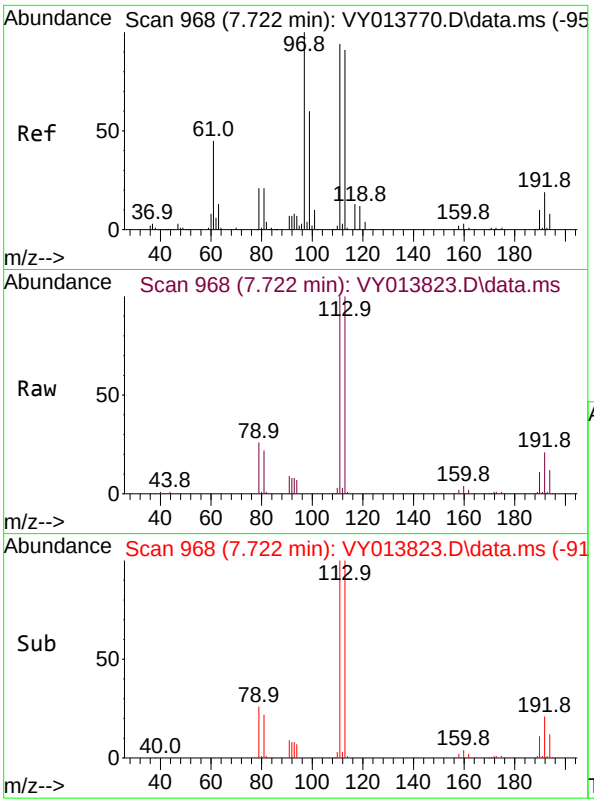


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion:114 Resp: 277437

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.8
88	15.0	0.0	30.8



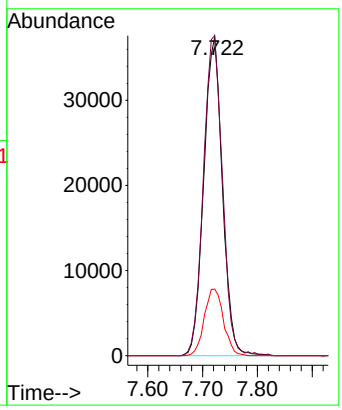


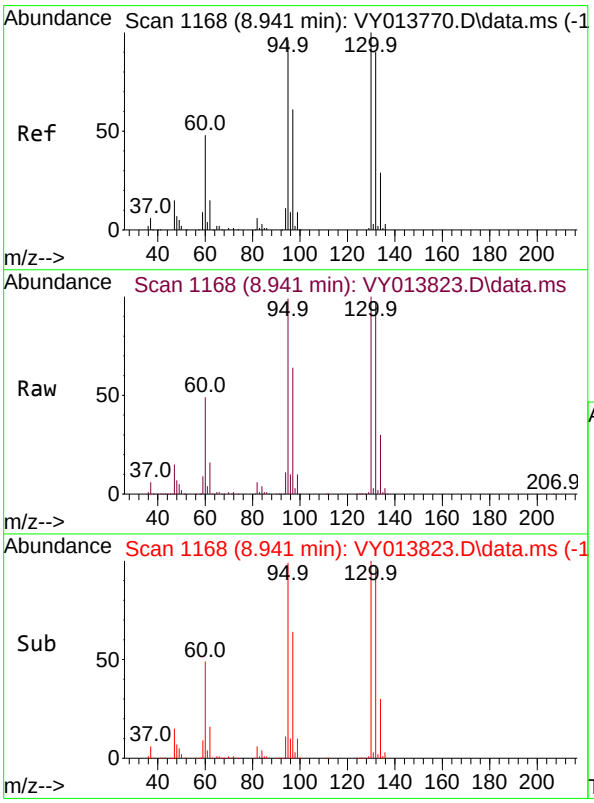
#35
Dibromofluoromethane
Concen: 49.682 ug/l
RT: 7.722 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

Tgt Ion:113 Resp: 88388

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.3	123.5
192	21.5	16.0	24.0

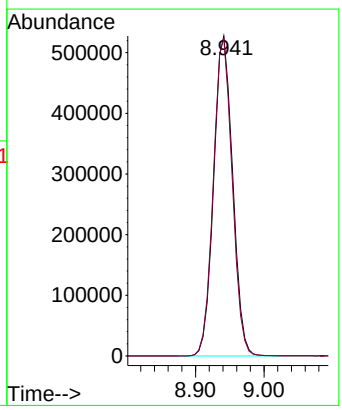


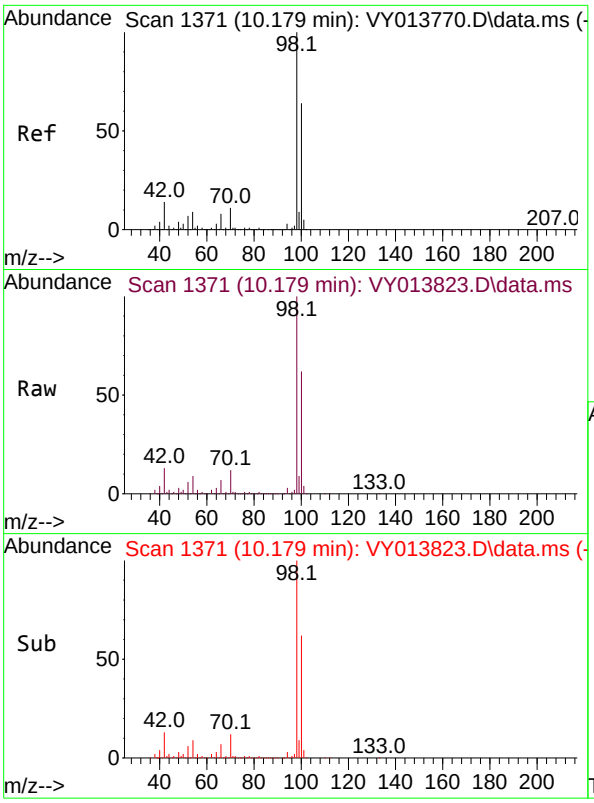


#44
Trichloroethene
Concen: 542.810 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion:130 Resp: 1013633

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	193.0



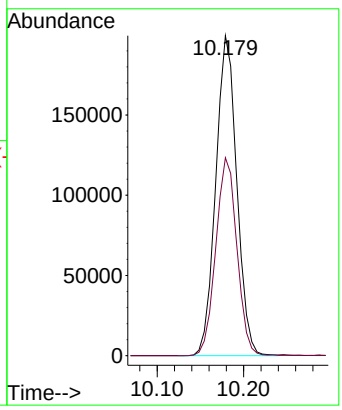


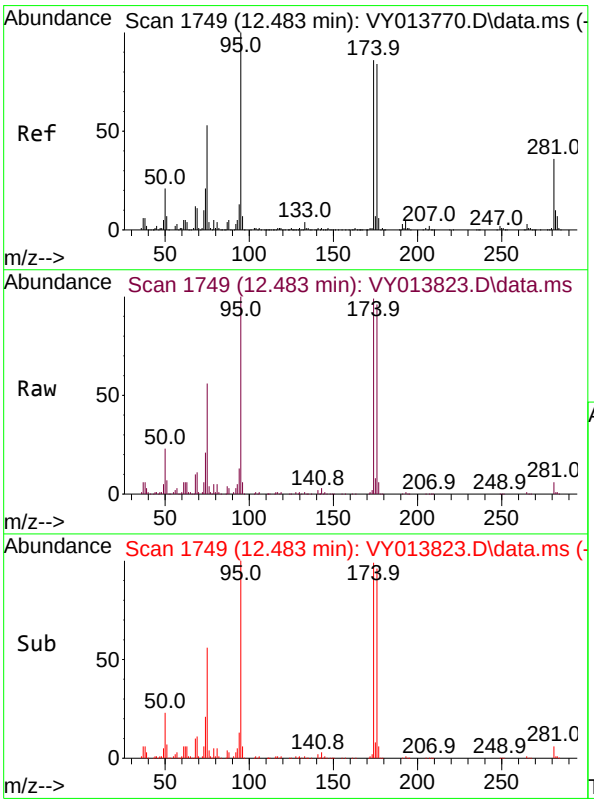
#50
Toluene-d8
Concen: 49.856 ug/l
RT: 10.179 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

Tgt Ion: 98 Resp: 336265

Ion	Ratio	Lower	Upper
98	100		
100	62.1	51.0	76.6

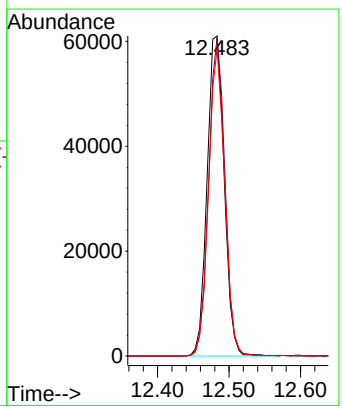


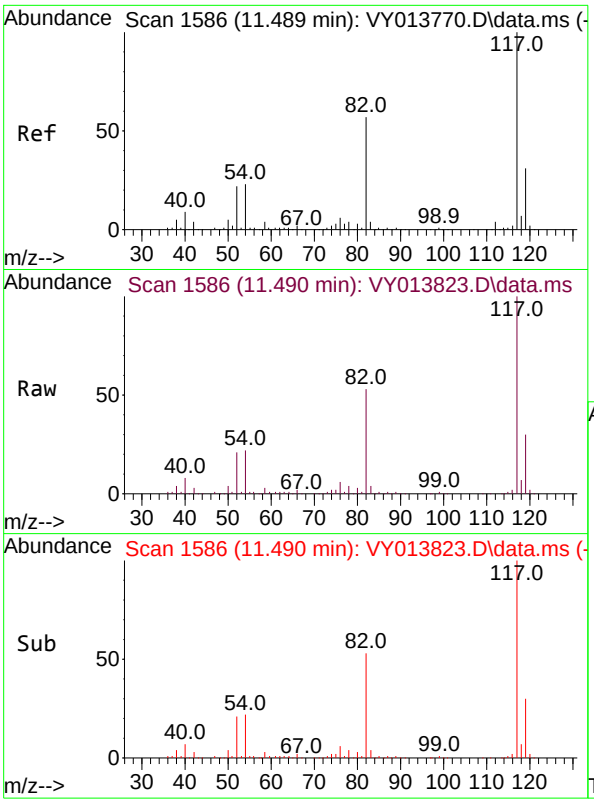


#62
4-Bromofluorobenzene
Concen: 45.325 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion: 95 Resp: 101543

Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	168.8
176	90.2	0.0	165.2



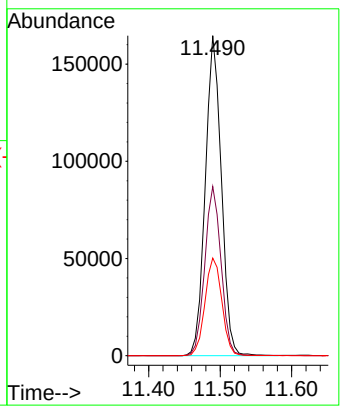


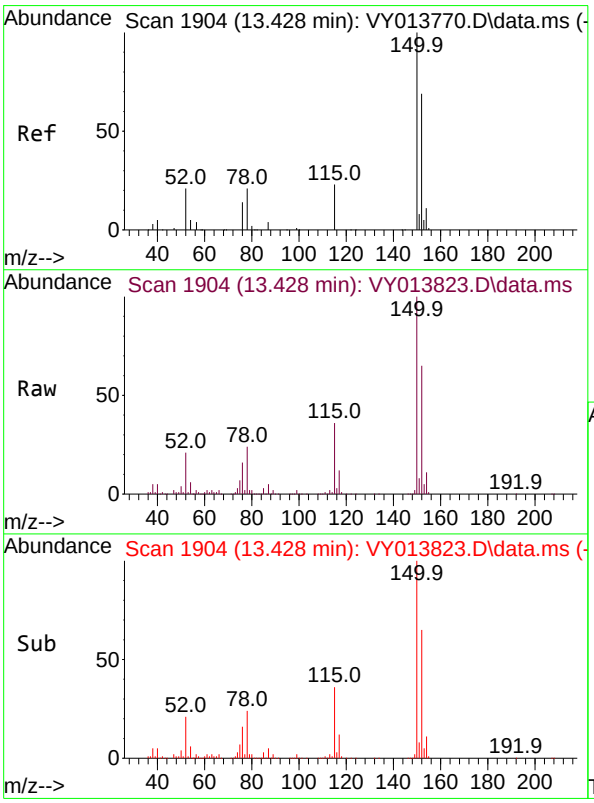
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

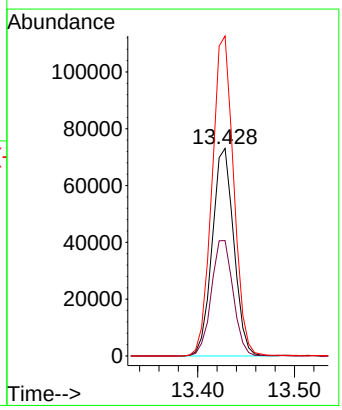
Tgt Ion:117 Resp: 256327

Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.5	68.3
119	30.5	24.8	37.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion:152 Resp: 113382

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.5	85.5
150	154.7	0.0	347.0