Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
Data File : VY013321.D
Acq On : 14 Apr 2023 16:07
Operator : KP/MD
Sample : 02306-05
Misc : 4.49g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

Quant Time: Apr 17 02:13:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	214703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	342503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	302807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	135209	52.402	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.800%			
35) Dibromofluoromethane	7.709	113	118056	53.242	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.480%			
50) Toluene-d8	10.172	98	389592	47.204	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.400%			
62) 4-Bromofluorobenzene	12.477	95	131847	49.167	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.340%			
Target Compounds						Qvalue
13) Acrolein	3.722	56	5479	17.286	ug/l #	29
16) Acetone	3.948	43	132455	149.303	ug/l	97
17) Carbon Disulfide	4.186	76	122302	18.387	ug/l	99
25) 2-Butanone	6.984	43	39213	34.521	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	10515	1.272	ug/l	94

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

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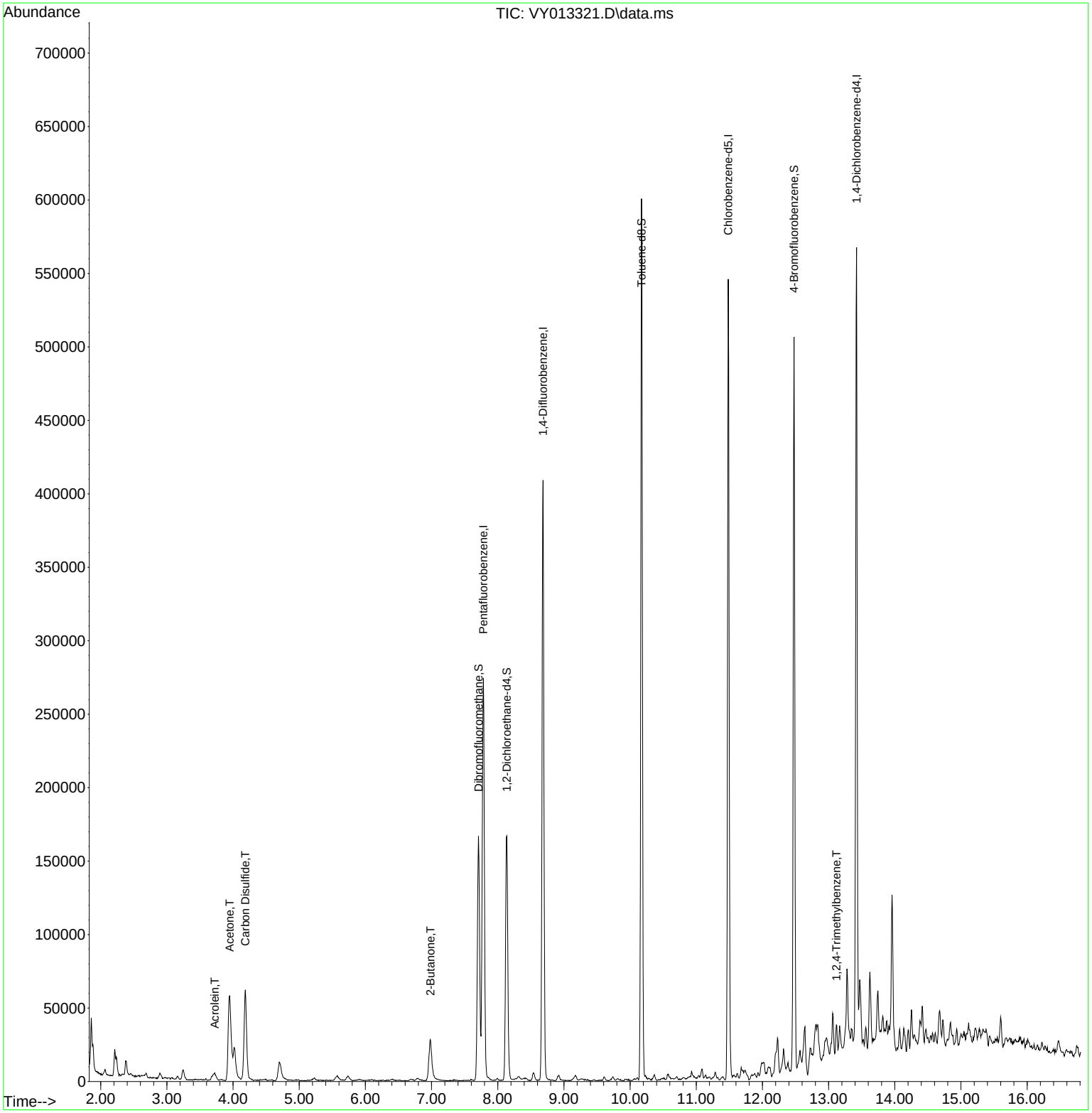
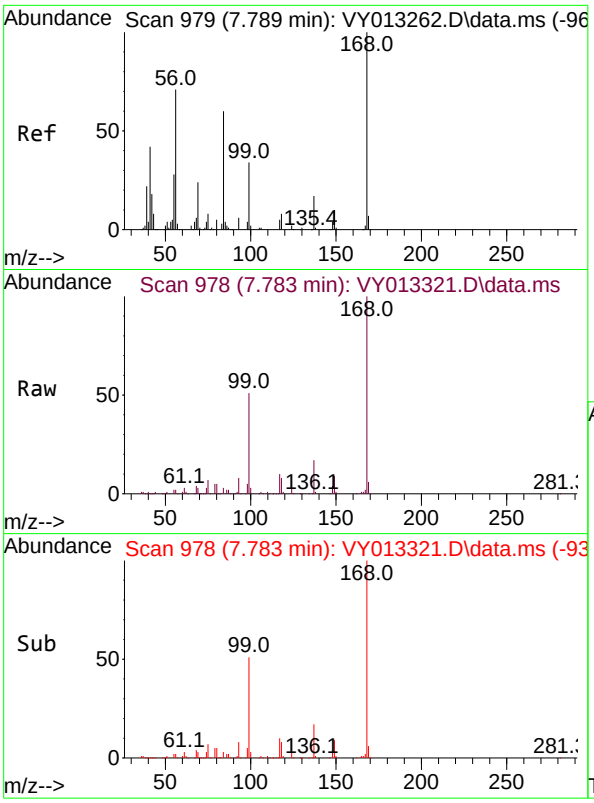


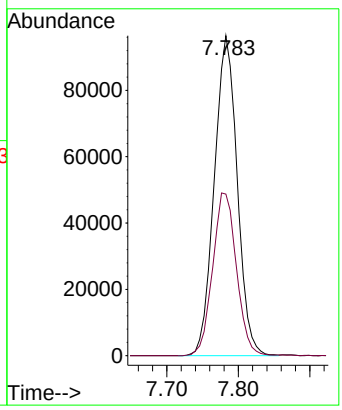


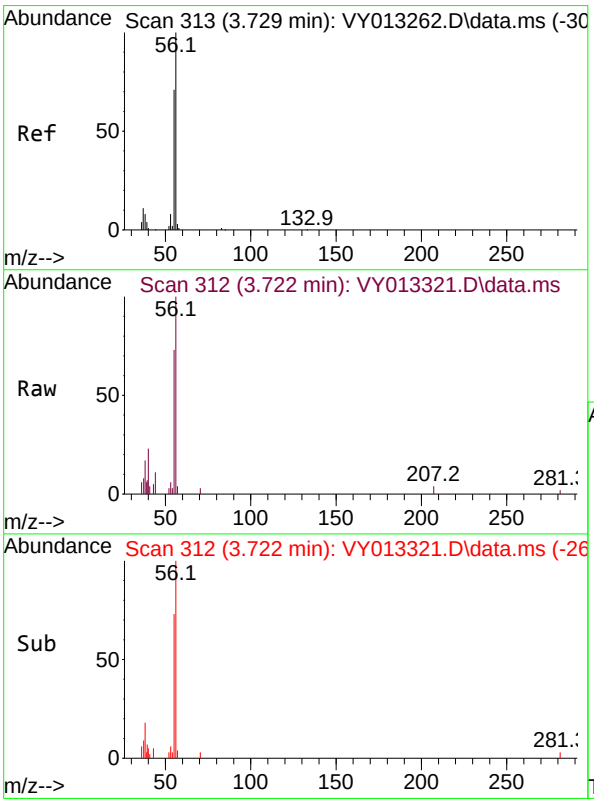
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

Tgt Ion:168 Resp: 214703

Ion	Ratio	Lower	Upper
168	100		
99	50.5	41.7	62.5

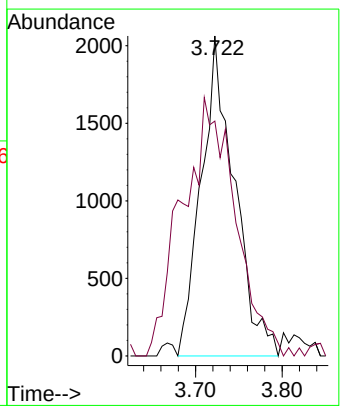


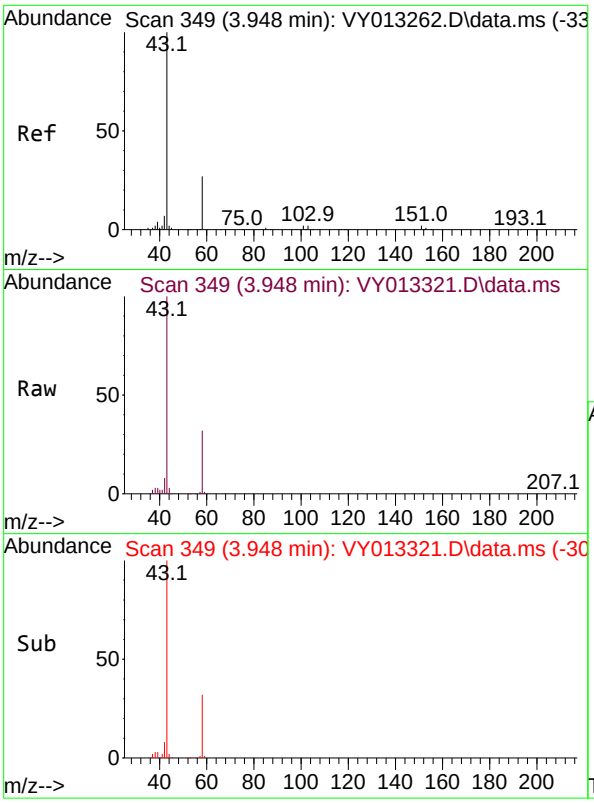


#13
Acrolein
Concen: 17.286 ug/l
RT: 3.722 min Scan# 312
Delta R.T. -0.007 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion: 56 Resp: 5479

Ion	Ratio	Lower	Upper
56	100		
55	129.3	56.8	85.2#



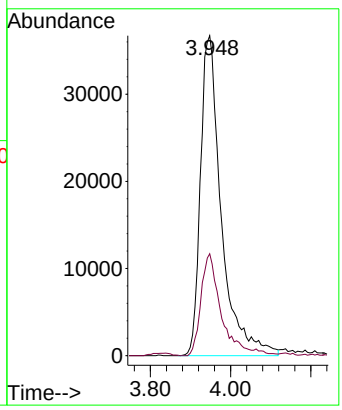


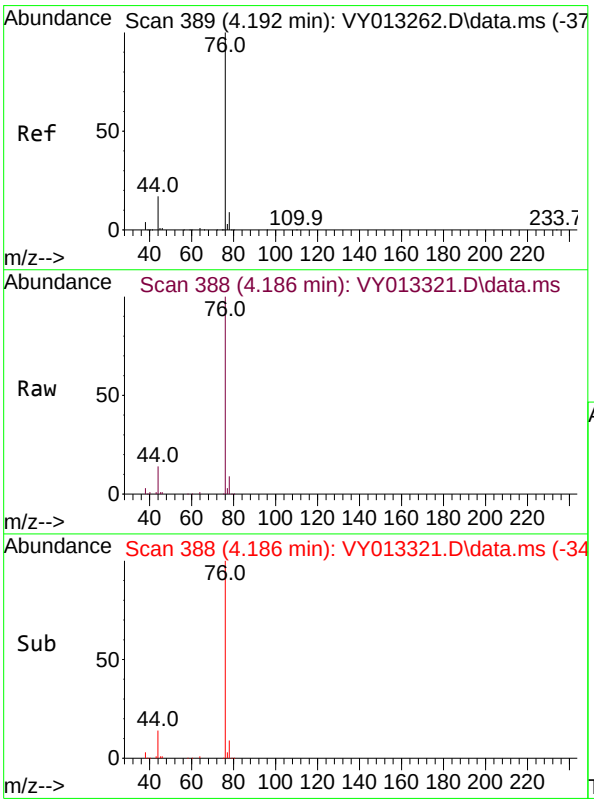
#16
Acetone
Concen: 149.303 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

Tgt Ion: 43 Resp: 132455

Ion	Ratio	Lower	Upper
43	100		
58	31.7	24.2	36.2

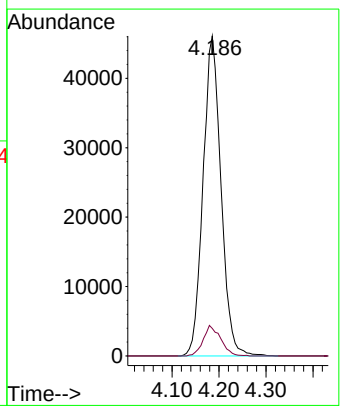


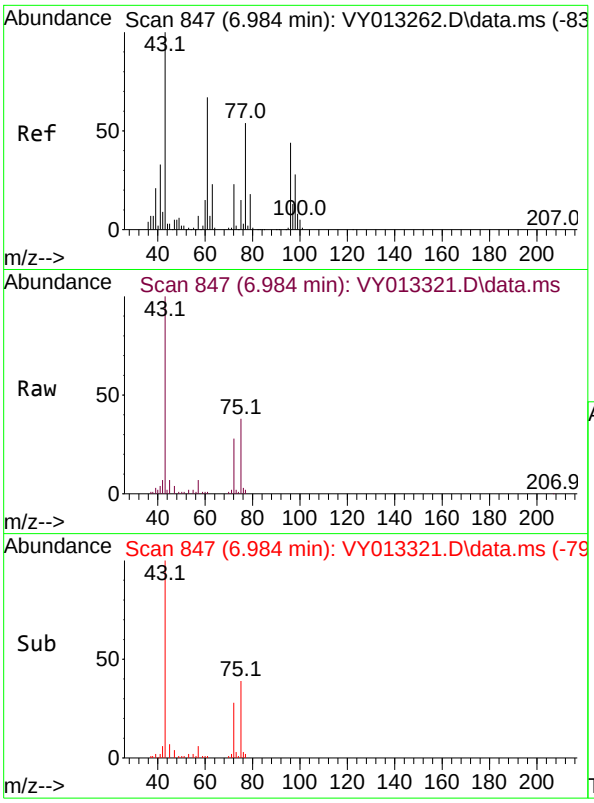


#17
Carbon Disulfide
Concen: 18.387 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.007 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion: 76 Resp: 122302

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7



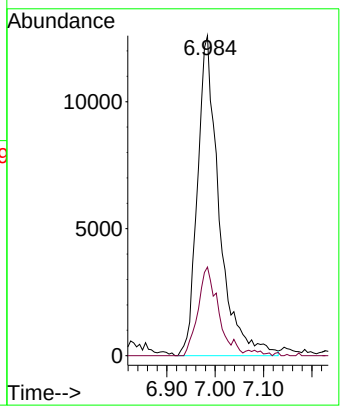


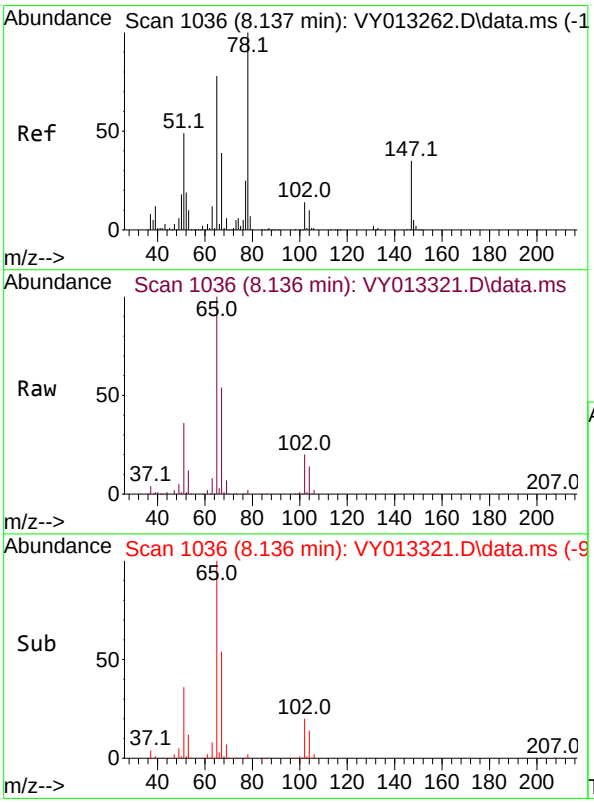
#25
2-Butanone
Concen: 34.521 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

Tgt Ion: 43 Resp: 39213

Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.0	31.4

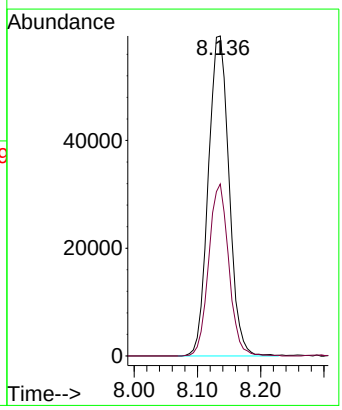


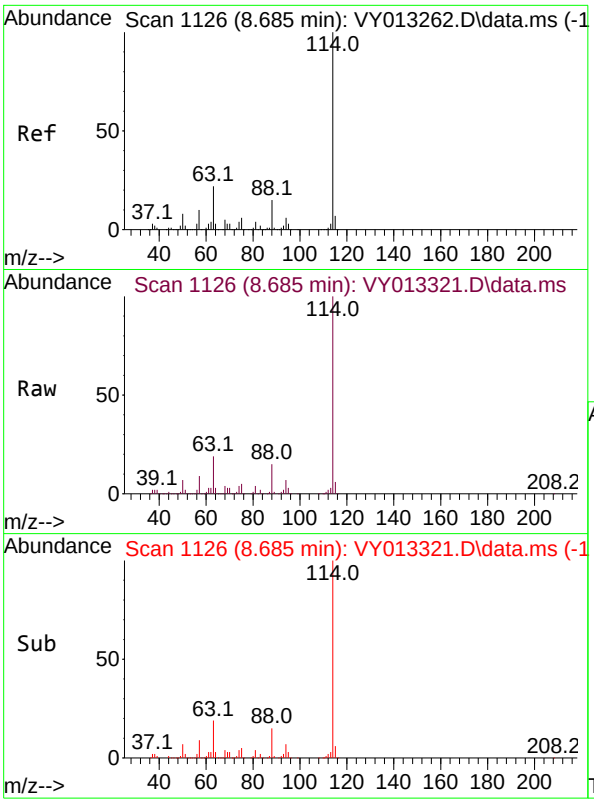


#33
1,2-Dichloroethane-d4
Concen: 52.402 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion: 65 Resp: 135209

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.0



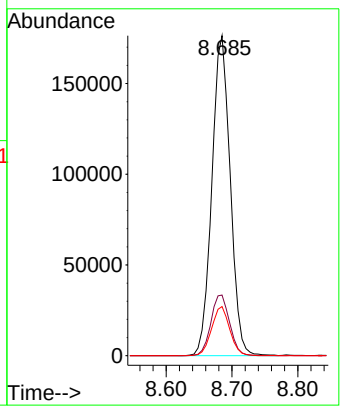


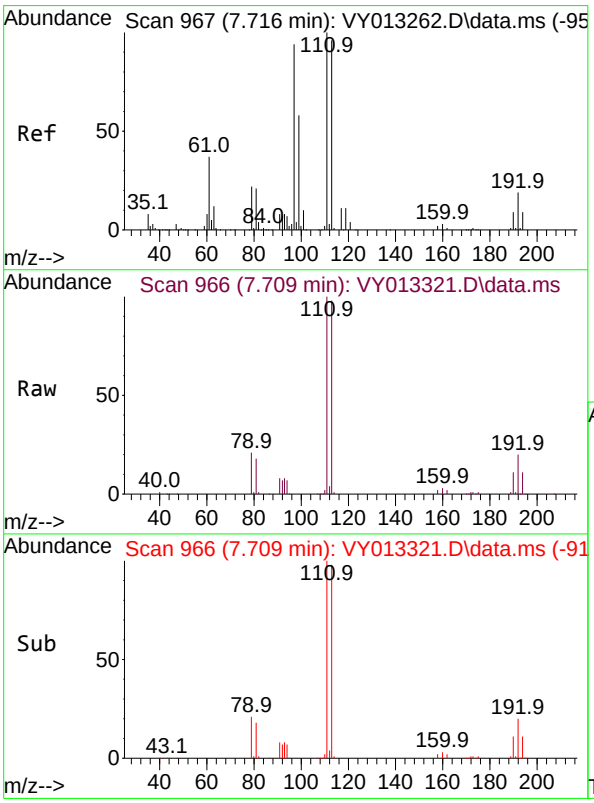
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

Tgt Ion:114 Resp: 342503

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	37.4
88	15.4	0.0	28.6

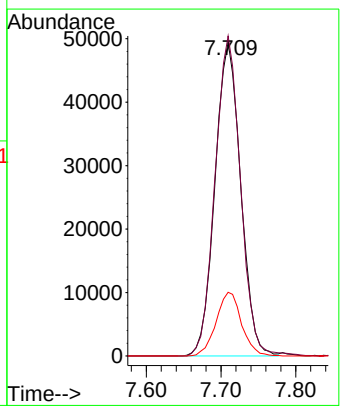


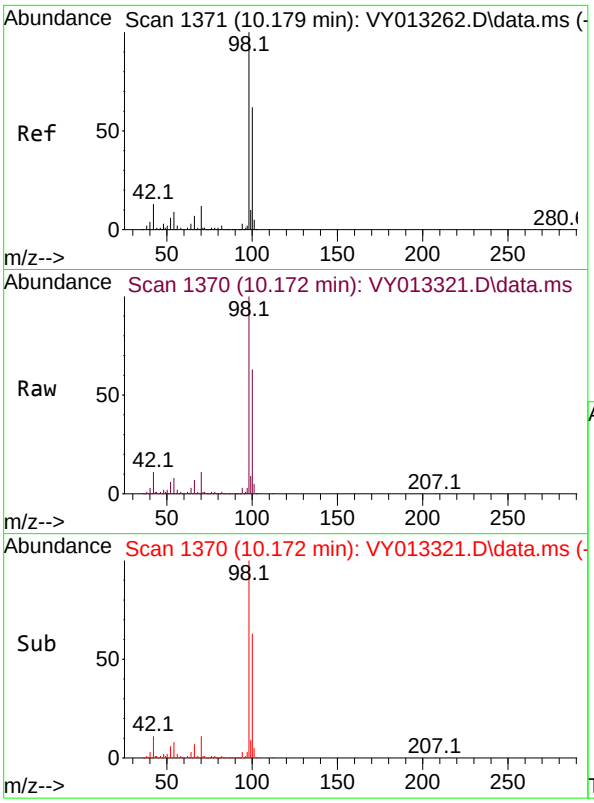


#35
Dibromofluoromethane
Concen: 53.242 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.007 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion:113 Resp: 118056

Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.2	123.2
192	20.1	16.8	25.2



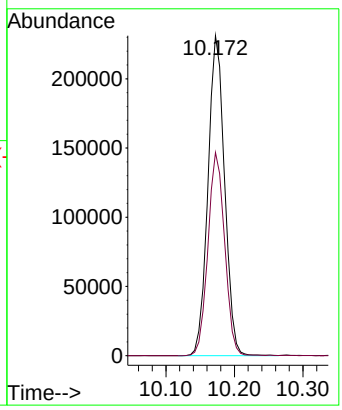


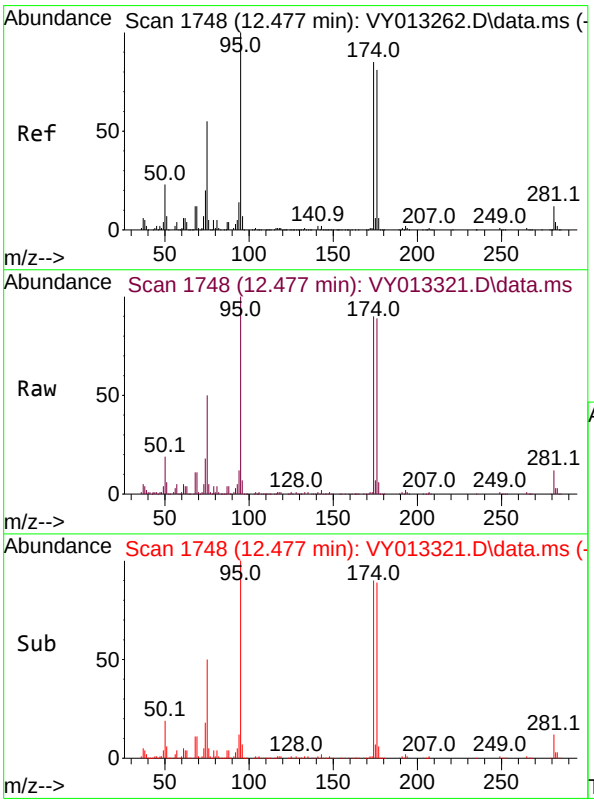
#50
Toluene-d8
Concen: 47.204 ug/l
RT: 10.172 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

Tgt Ion: 98 Resp: 389592

Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.9	76.3

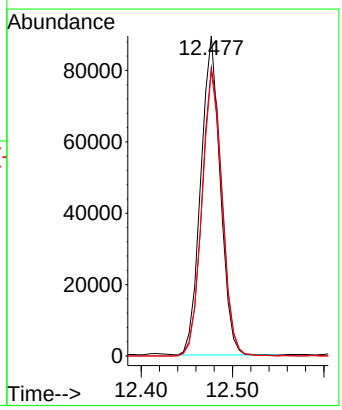


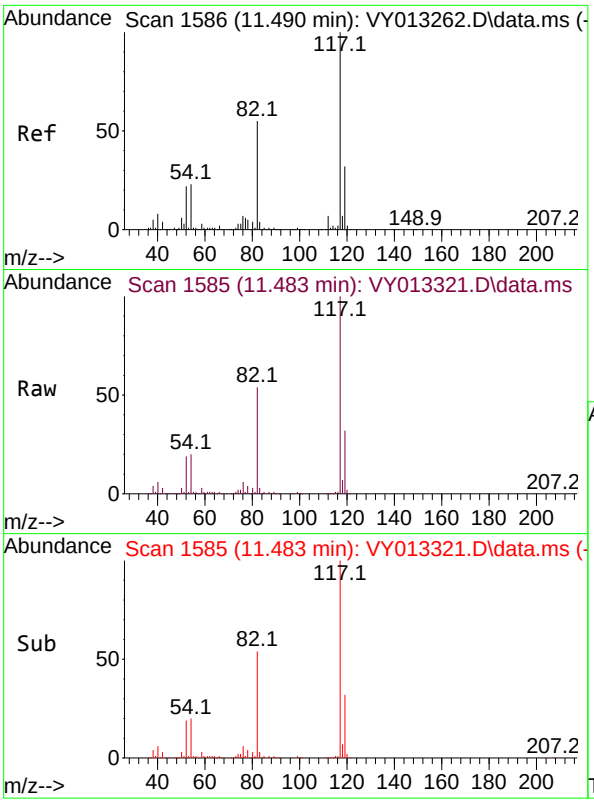


#62
4-Bromofluorobenzene
Concen: 49.167 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion: 95 Resp: 131847

Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	176.6
176	91.1	0.0	170.2



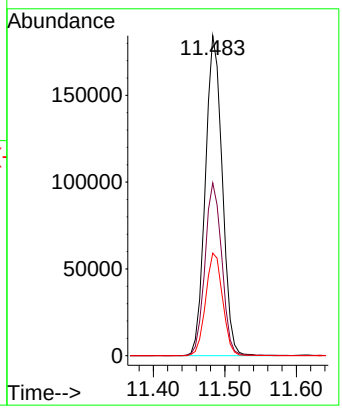


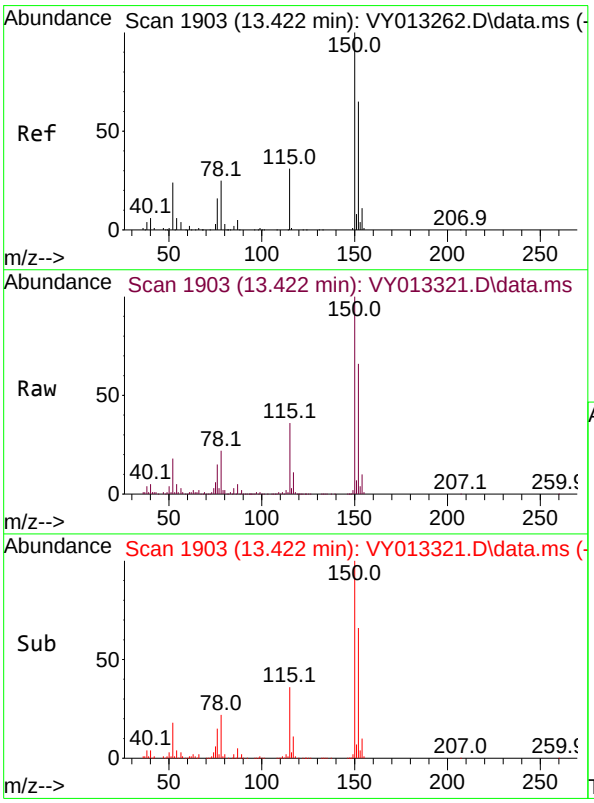
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

Tgt Ion:117 Resp: 302807

Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.4	68.0
119	32.1	25.6	38.4

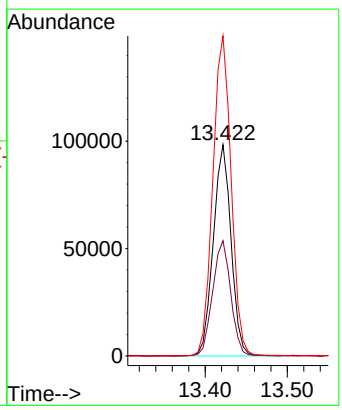


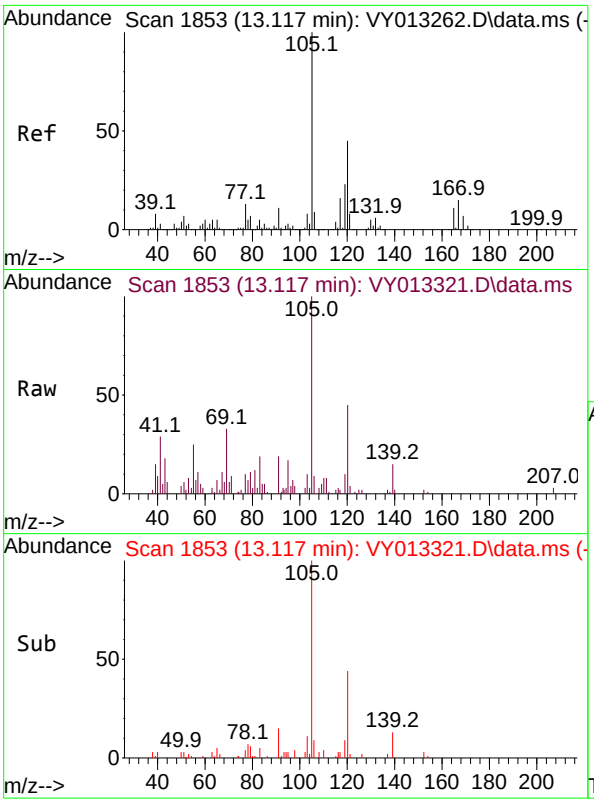


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion:152 Resp: 147887

Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.1	81.3
150	155.9	0.0	347.8





#84
1,2,4-Trimethylbenzene
Concen: 1.272 ug/l
RT: 13.117 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

Tgt Ion:105 Resp: 10515

Ion	Ratio	Lower	Upper
105	100		
120	42.2	23.0	69.0