Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
Data File : VY015835.D
Acq On : 04 Oct 2023 18:12
Operator : SY/MD
Sample : 04693-04
Misc : 6.17g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
S-3(0-5)

Quant Time: Oct 05 06:57:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	199870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	331218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	282980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114068	51.870	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.740%			
35) Dibromofluoromethane	7.710	113	101571	51.235	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.460%			
50) Toluene-d8	10.179	98	382089	56.843	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.680%			
62) 4-Bromofluorobenzene	12.477	95	122847	46.571	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.140%			
Target Compounds						Qvalue
16) Acetone	3.942	43	114659	97.427	ug/l	92
17) Carbon Disulfide	4.186	76	21322	6.242	ug/l	99
20) Methylene Chloride	4.704	84	32739	8.705	ug/l	89
25) 2-Butanone	6.984	43	47207	28.379	ug/l	94
39) Methylcyclohexane	9.179	83	3971	1.225	ug/l	89
40) Benzene	8.161	78	23951	2.679	ug/l	100
52) Toluene	10.240	92	13790	2.393	ug/l	93
68) m/p-Xylenes	11.697	106	5481	1.336	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	10203	1.335	ug/l	99
86) p-Isopropyltoluene	13.367	119	39166	4.685	ug/l	98

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

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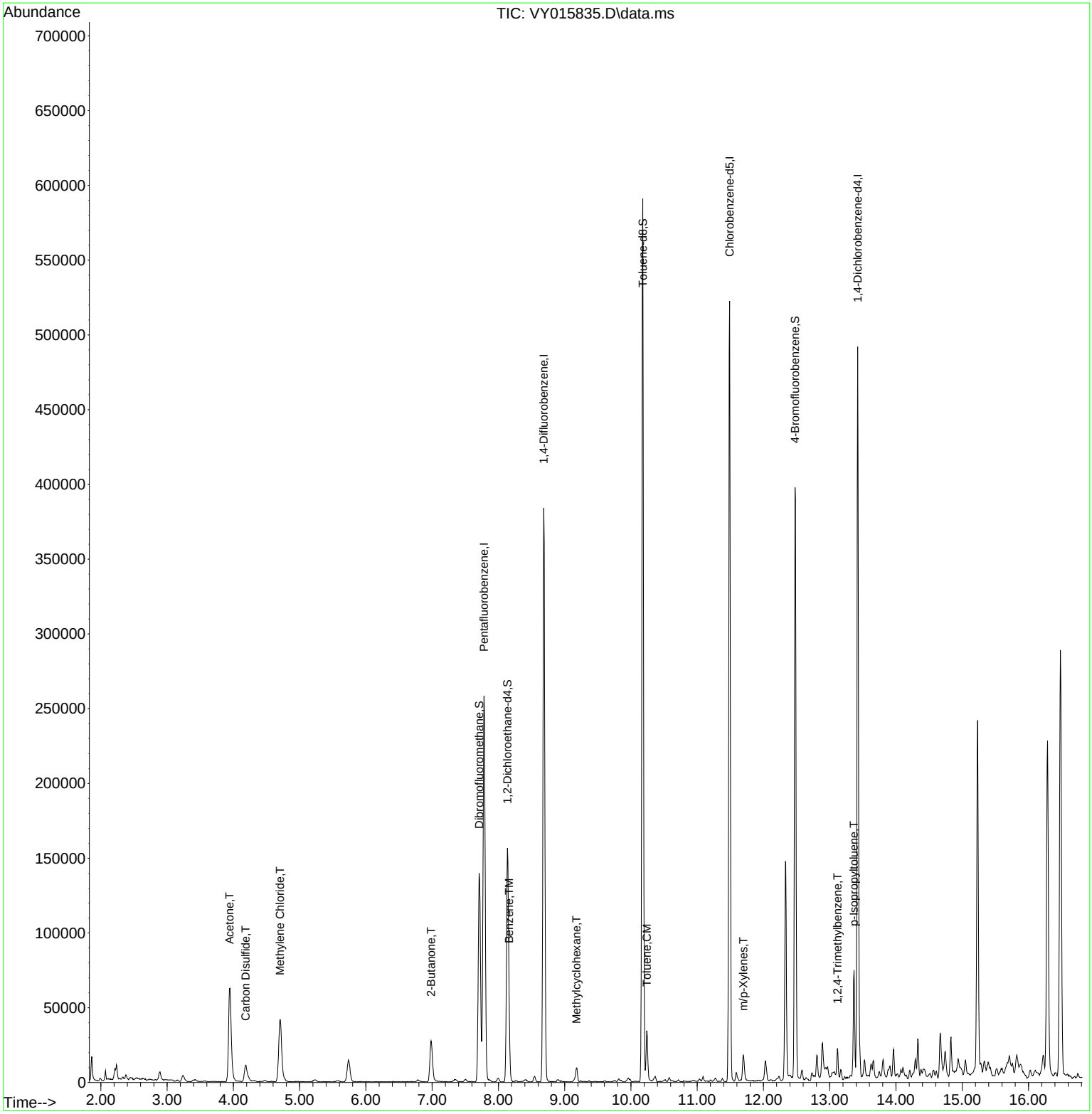
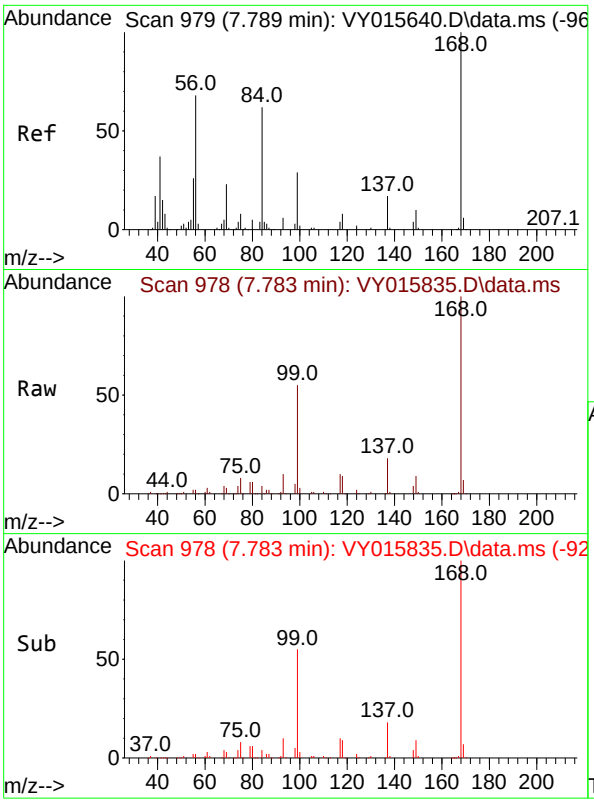
S-3(0-5)

Quant Time: Oct 05 06:57:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration



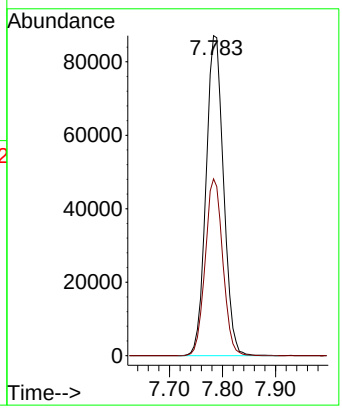


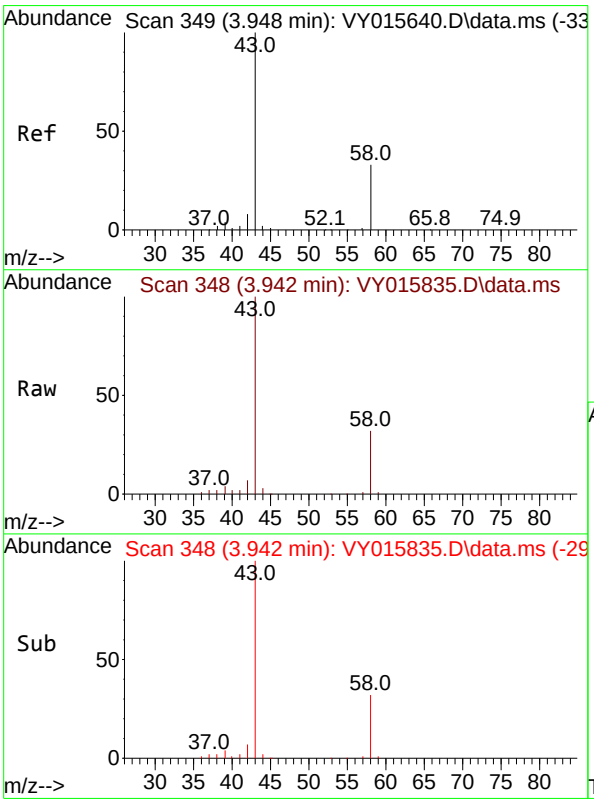
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :
S-3(0-5)

Tgt Ion:168 Resp: 199870

Ion	Ratio	Lower	Upper
168	100		
99	55.3	43.4	65.0

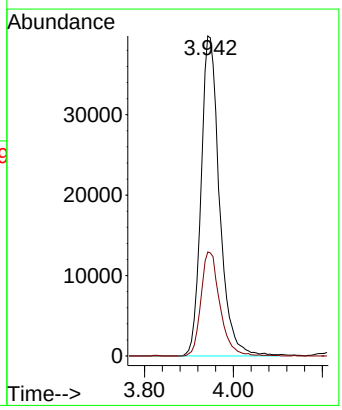


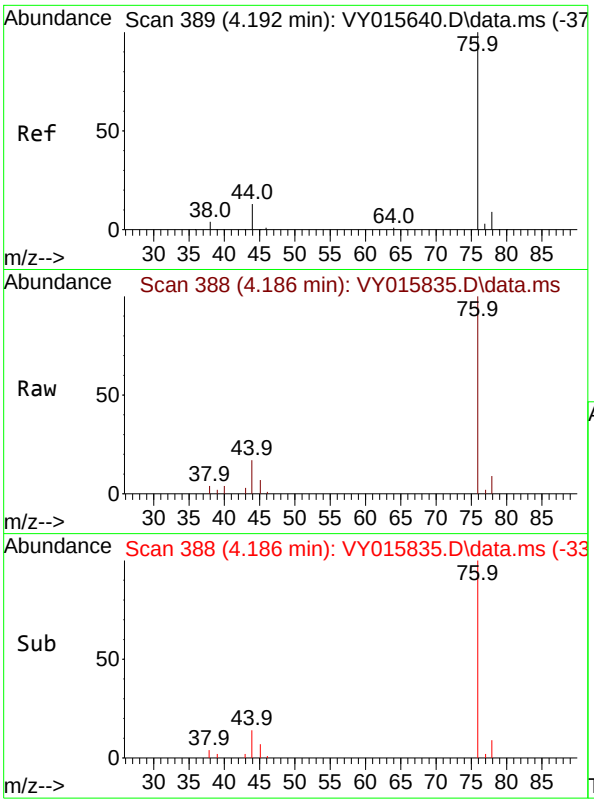


#16
Acetone
Concen: 97.427 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 43 Resp: 114659

Ion	Ratio	Lower	Upper
43	100		
58	32.5	22.7	34.1



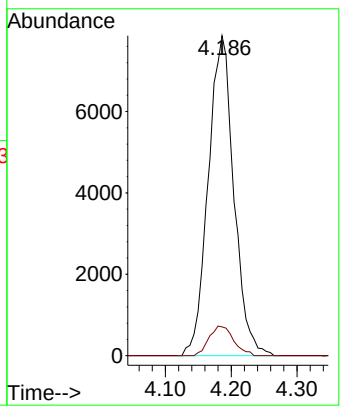


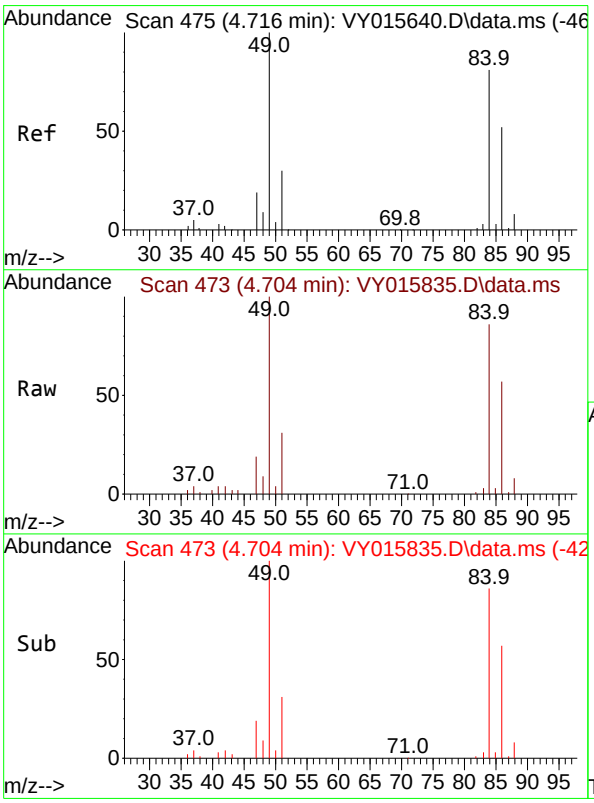
#17
Carbon Disulfide
Concen: 6.242 ug/l
RT: 4.186 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :
S-3(0-5)

Tgt Ion: 76 Resp: 21322

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

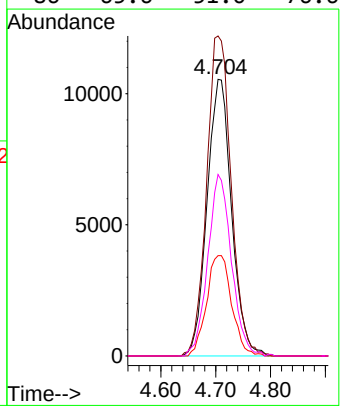


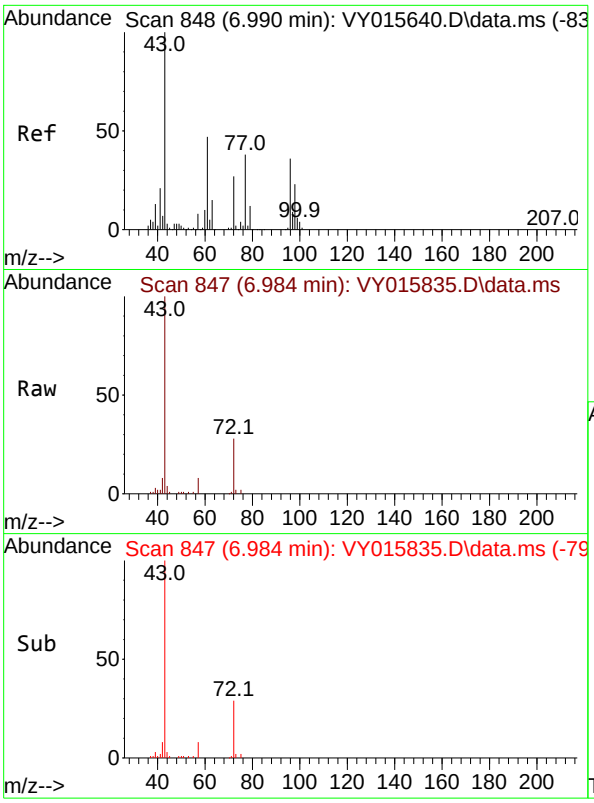


#20
Methylene Chloride
Concen: 8.705 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 84 Resp: 32739

Ion	Ratio	Lower	Upper
84	100		
49	115.6	106.9	160.3
51	36.3	33.2	49.8
86	65.6	51.0	76.6



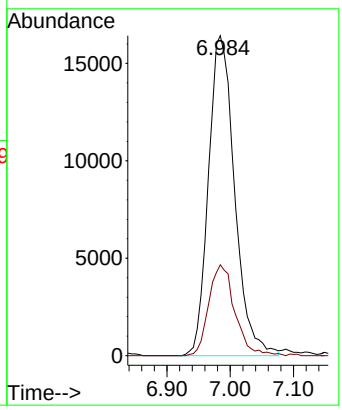


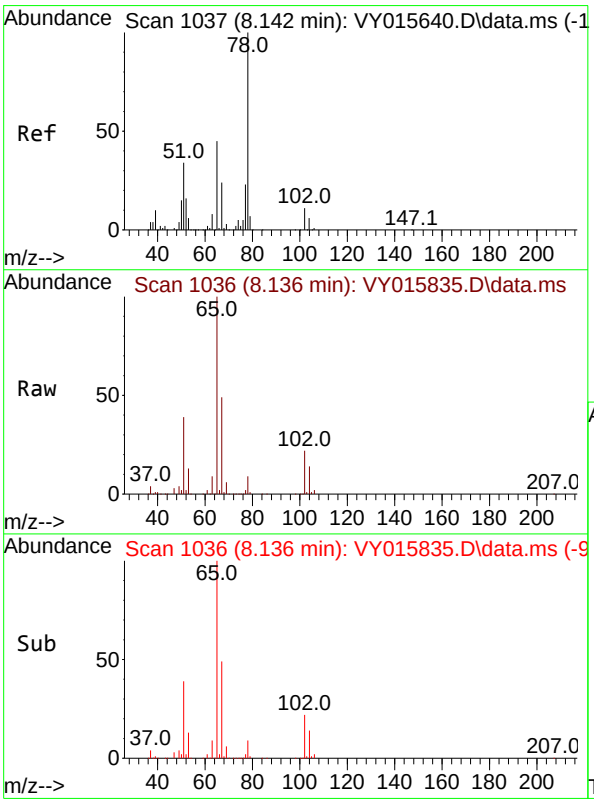
#25
2-Butanone
Concen: 28.379 ug/l
RT: 6.984 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :
S-3(0-5)

Tgt Ion: 43 Resp: 47207

Ion	Ratio	Lower	Upper
43	100		
72	28.4	20.5	30.7

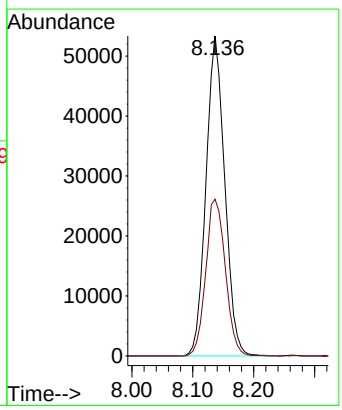


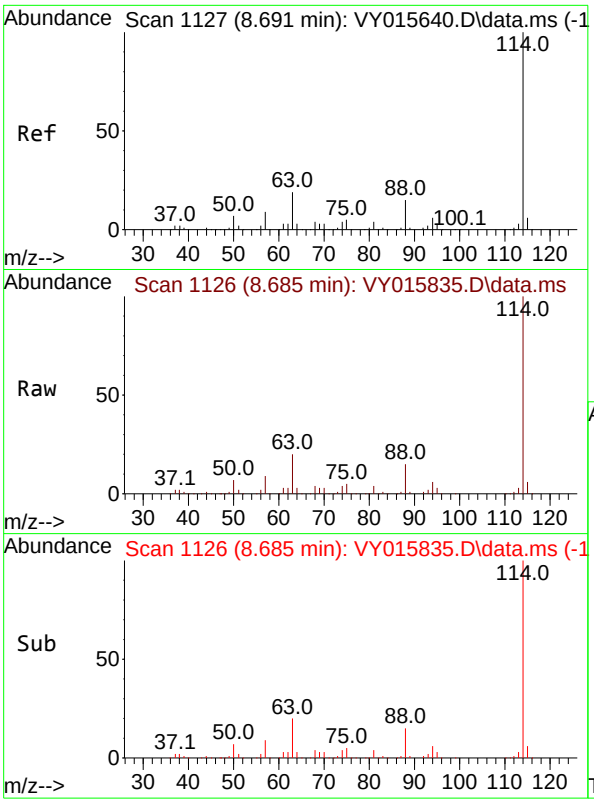


#33
1,2-Dichloroethane-d4
Concen: 51.870 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 65 Resp: 114068

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	101.8



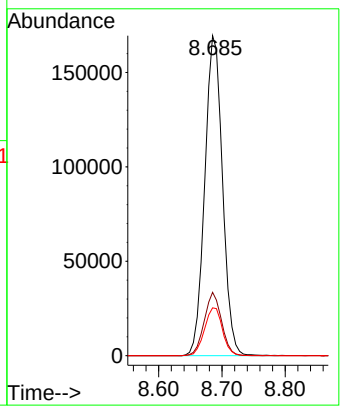


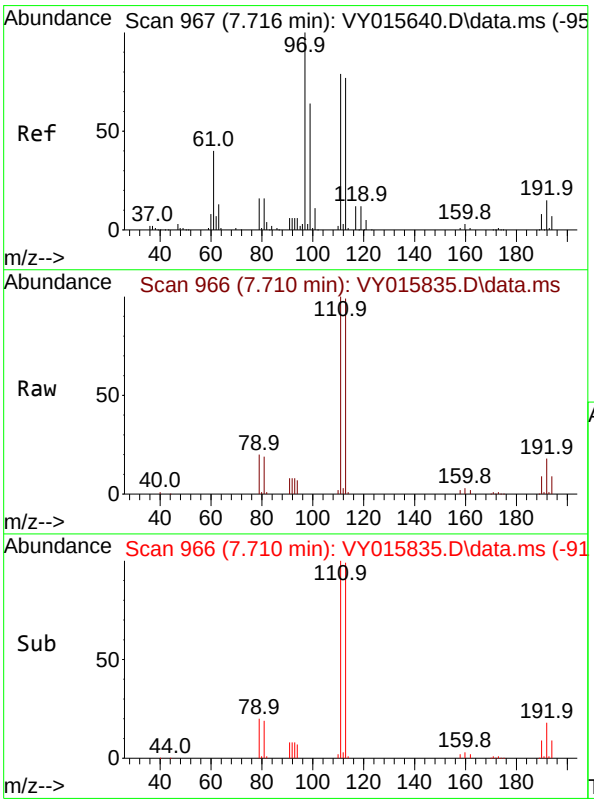
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :
S-3(0-5)

Tgt Ion:114 Resp: 331218

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.4
88	15.0	0.0	30.6

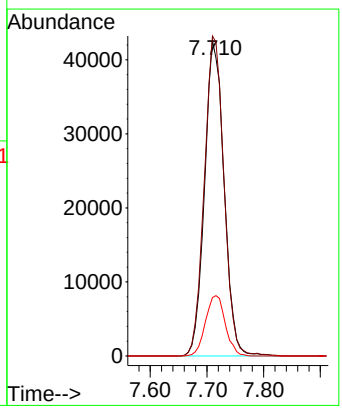


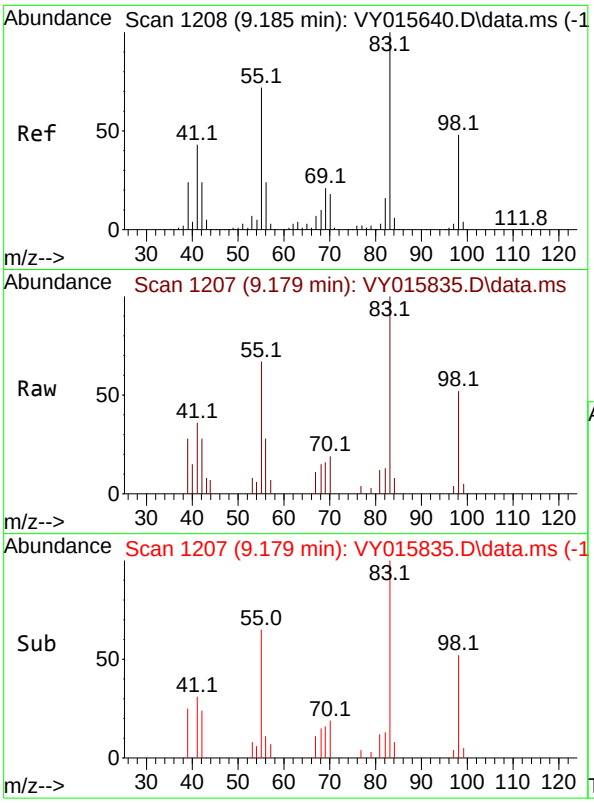


#35
Dibromofluoromethane
Concen: 51.235 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion:113 Resp: 101571

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.3	121.9
192	19.5	16.9	25.3



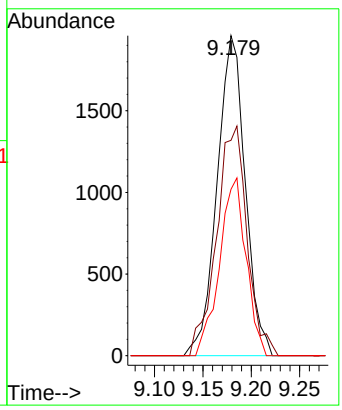


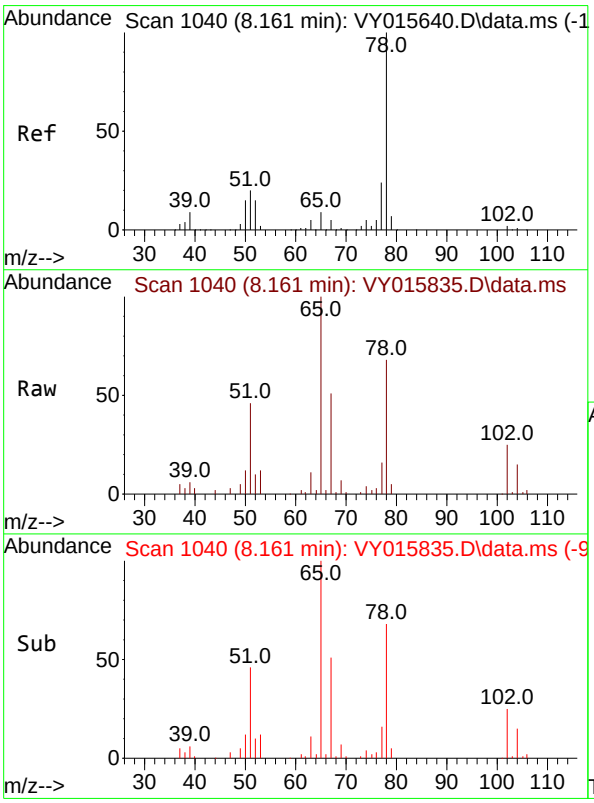
#39
Methylcyclohexane
Concen: 1.225 ug/l
RT: 9.179 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :
S-3(0-5)

Tgt Ion: 83 Resp: 3971

Ion	Ratio	Lower	Upper
83	100		
55	67.3	63.0	94.4
98	52.0	37.4	56.2

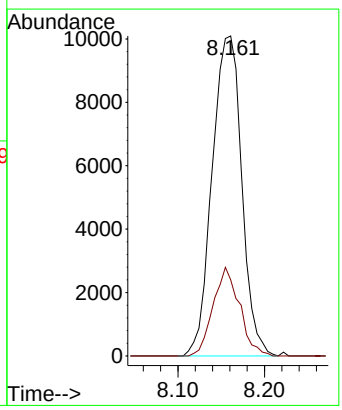


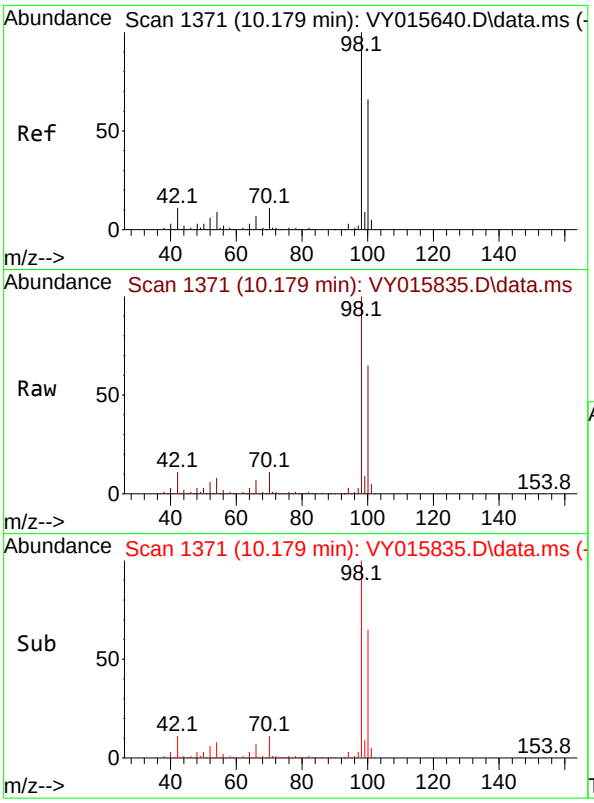


#40
Benzene
Concen: 2.679 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 78 Resp: 23951

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6



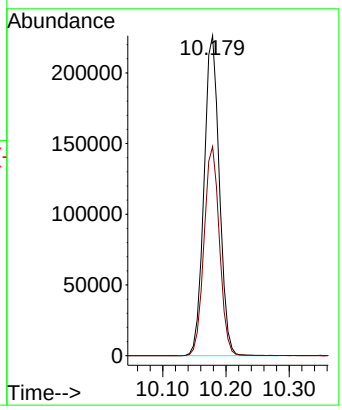


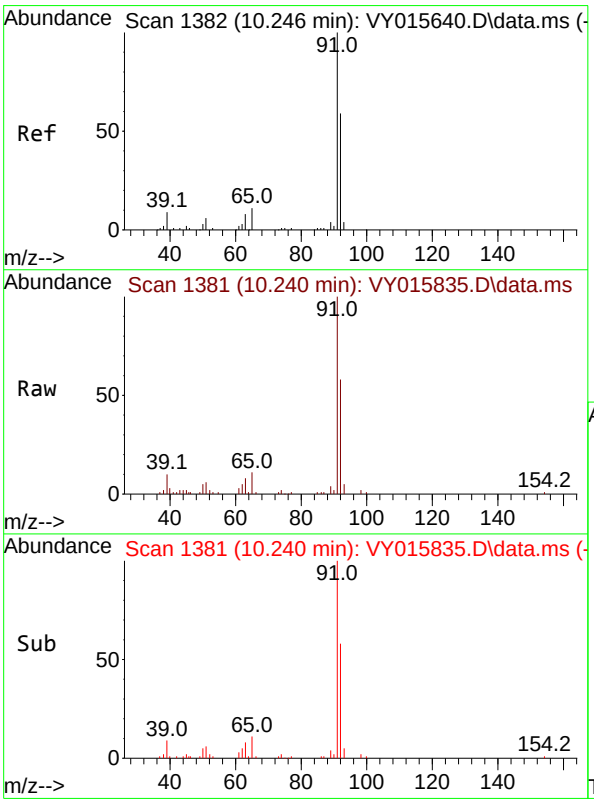
#50
Toluene-d8
Concen: 56.843 ug/l
RT: 10.179 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :
S-3(0-5)

Tgt Ion: 98 Resp: 382089

Ion	Ratio	Lower	Upper
98	100		
100	65.7	50.1	75.1

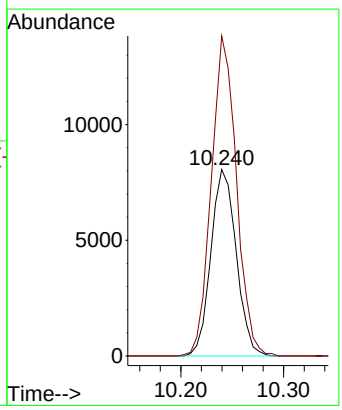


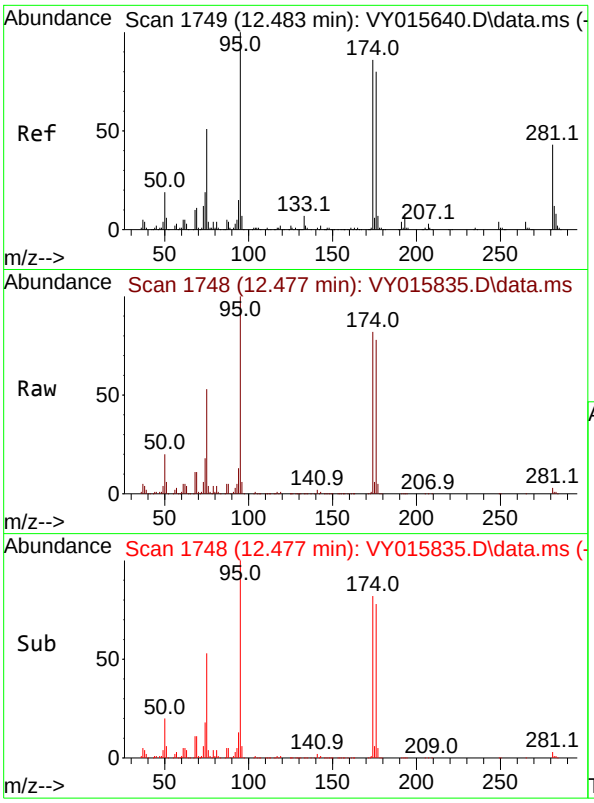


#52
Toluene
Concen: 2.393 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 92 Resp: 13790

Ion	Ratio	Lower	Upper
92	100		
91	170.2	143.8	215.6



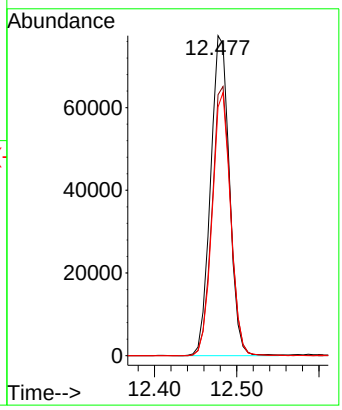


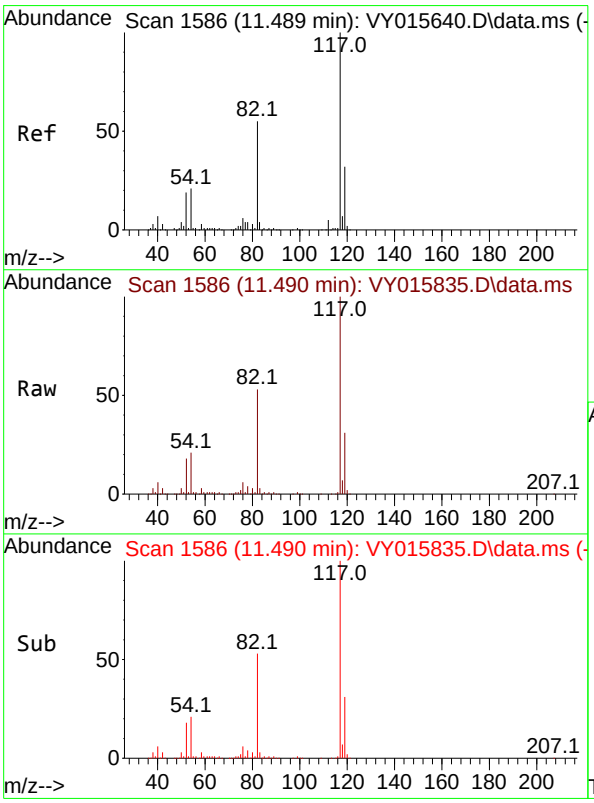
#62
4-Bromofluorobenzene
Concen: 46.571 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :
S-3(0-5)

Tgt Ion: 95 Resp: 122847

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	178.2
176	80.4	0.0	173.8

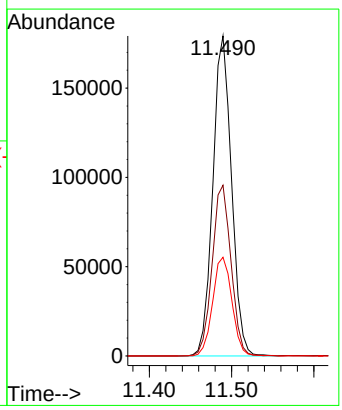


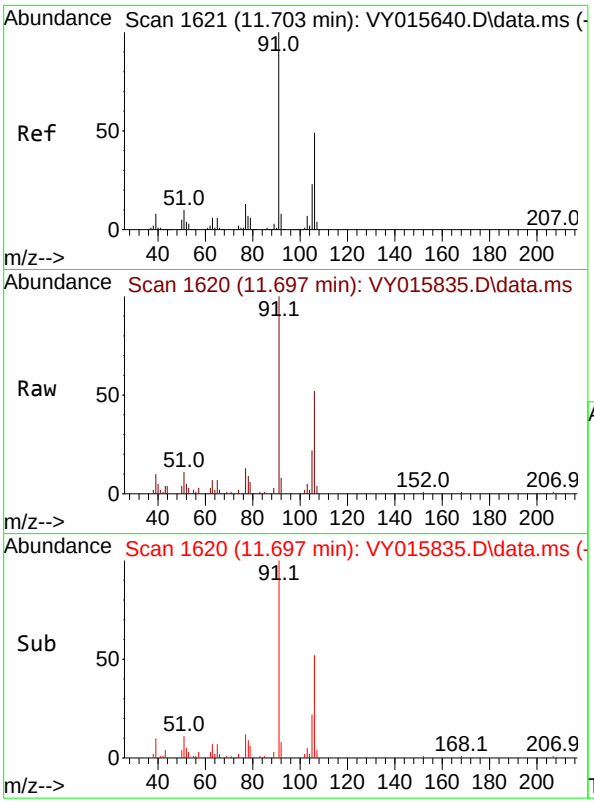


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion:117 Resp: 282980

Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.4	65.0
119	30.9	26.3	39.5



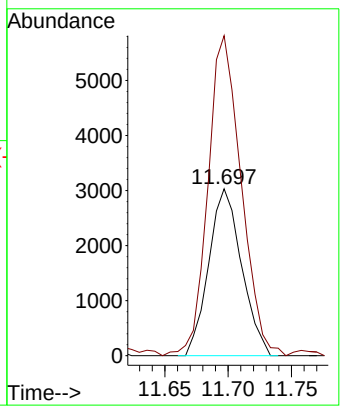


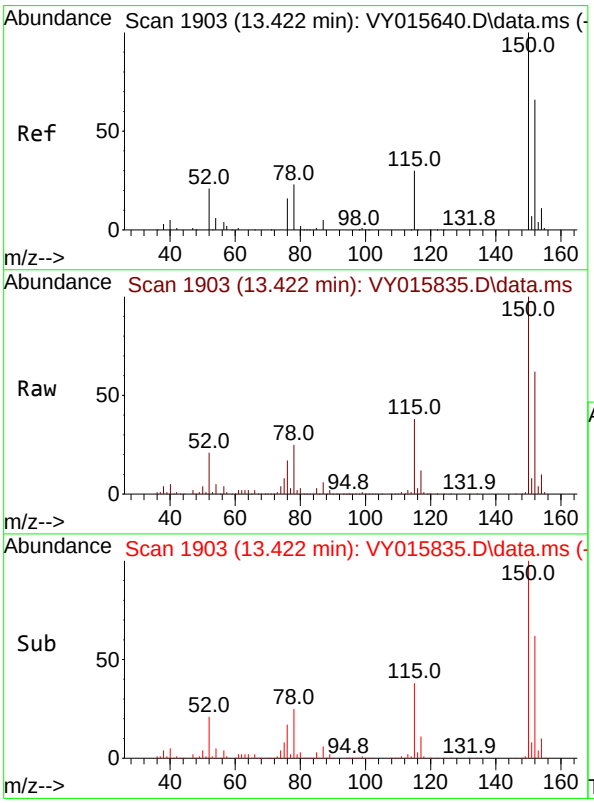
#68
m/p-Xylenes
Concen: 1.336 ug/l
RT: 11.697 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :
S-3(0-5)

Tgt Ion:106 Resp: 5481

Ion	Ratio	Lower	Upper
106	100		
91	193.5	166.1	249.1

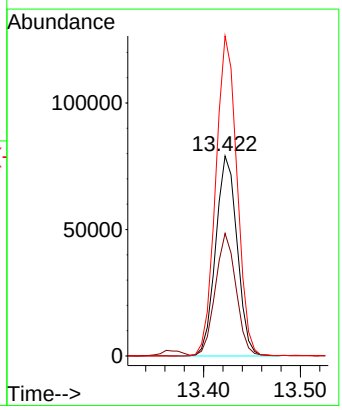


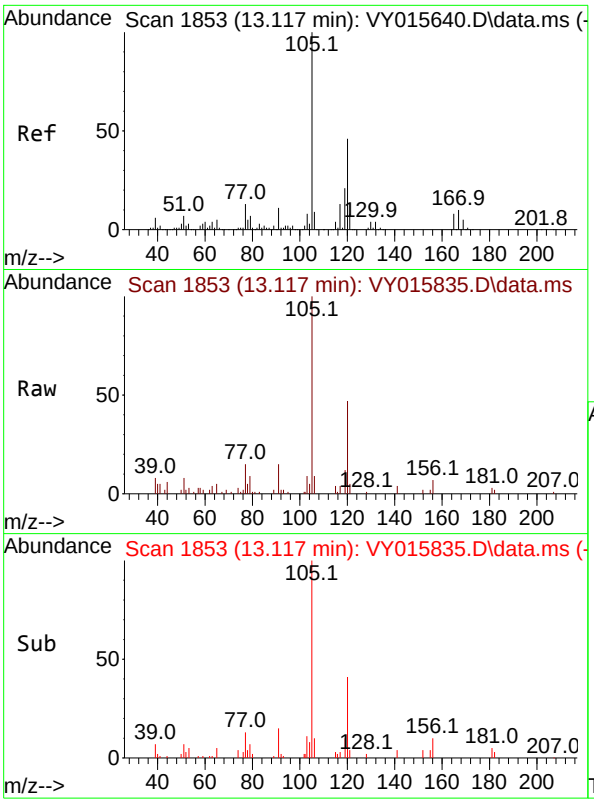


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion:152 Resp: 121583

Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.8	86.5
150	158.6	0.0	348.8



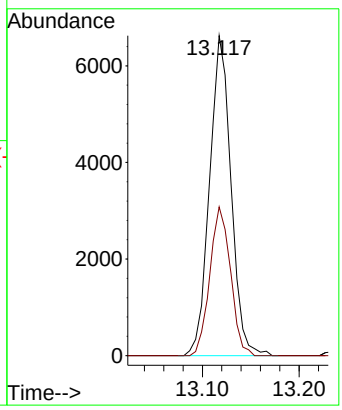


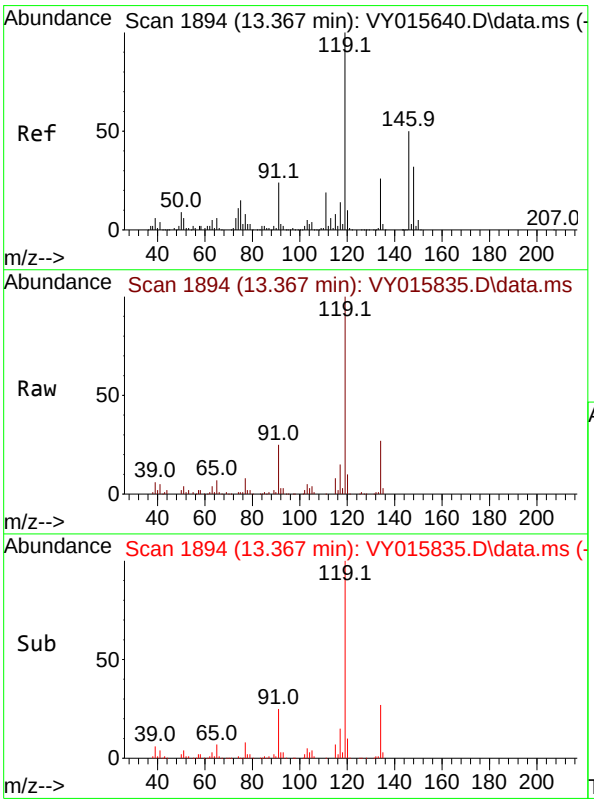
#84
1,2,4-Trimethylbenzene
Concen: 1.335 ug/l
RT: 13.117 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :
S-3(0-5)

Tgt Ion:105 Resp: 10203

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.2	66.6





#86
p-Isopropyltoluene
Concen: 4.685 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion:119 Resp: 39166

Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	23.6	12.4	37.4