Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
Data File : VY013468.D
Acq On : 26 Apr 2023 13:09
Operator : KP/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Apr 27 01:31:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration

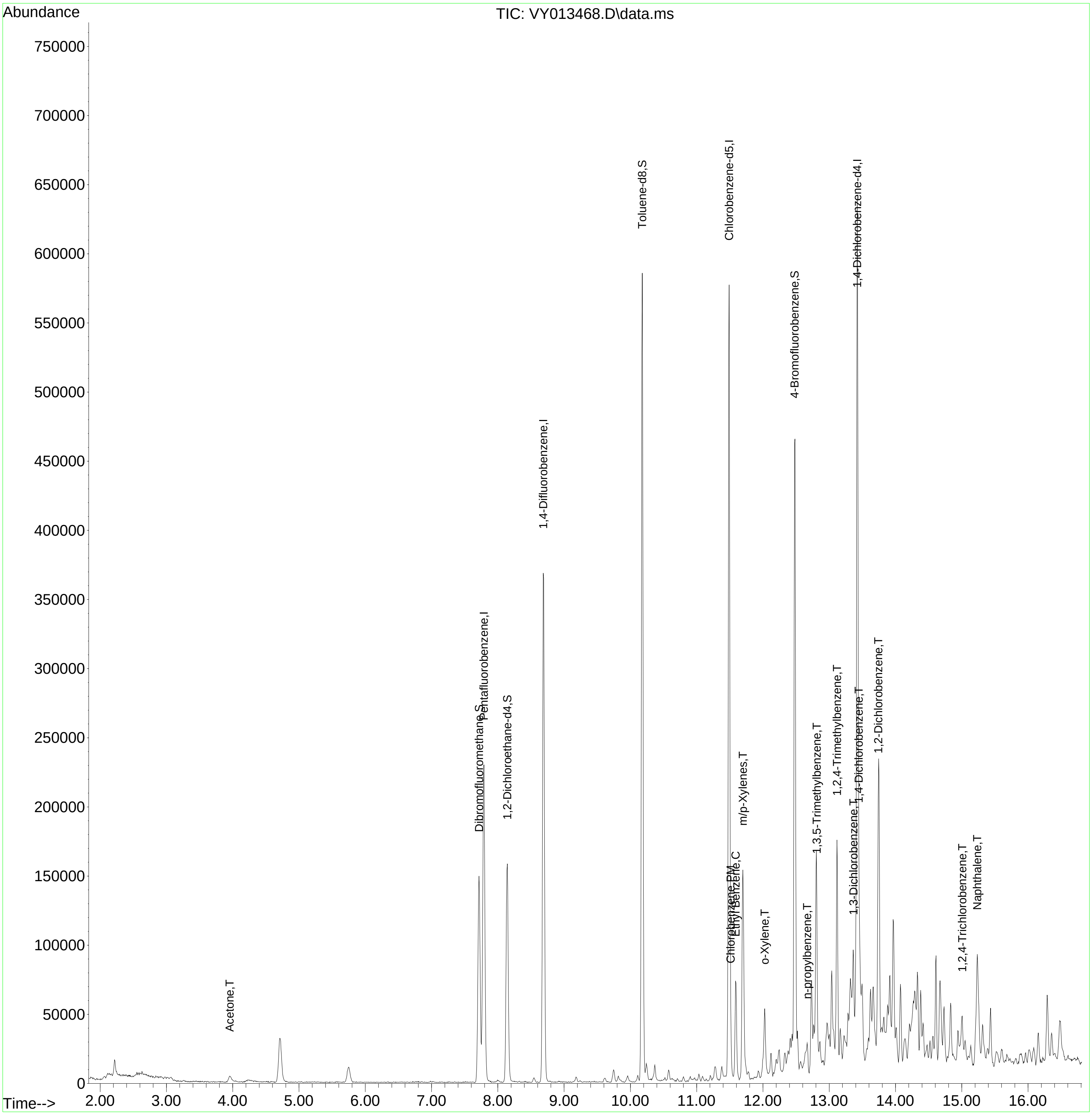
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	166388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	292003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	279972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124106	68.041	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.080%			
35) Dibromofluoromethane	7.716	113	104551	56.927	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.860%			
50) Toluene-d8	10.179	98	368618	56.420	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.840%			
62) 4-Bromofluorobenzene	12.477	95	131437	59.674	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 119.340%			
Target Compounds						Qvalue
16) Acetone	3.954	43	9483	13.202	ug/l	89
65) Chlorobenzene	11.514	112	8474	1.389	ug/l	98
67) Ethyl Benzene	11.587	91	46957	4.385	ug/l	96
68) m/p-Xylenes	11.697	106	40147	9.861	ug/l	95
69) o-Xylene	12.026	106	10925	2.837	ug/l	94
78) n-propylbenzene	12.666	91	14521	1.131	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	22464	2.640	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	78737	9.519	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	6364	1.323	ug/l	90
88) 1,4-Dichlorobenzene	13.447	146	26761	5.505	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	36478	8.395	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	7815	3.016	ug/l #	82
95) Naphthalene	15.233	128	56533	10.057	ug/l	98

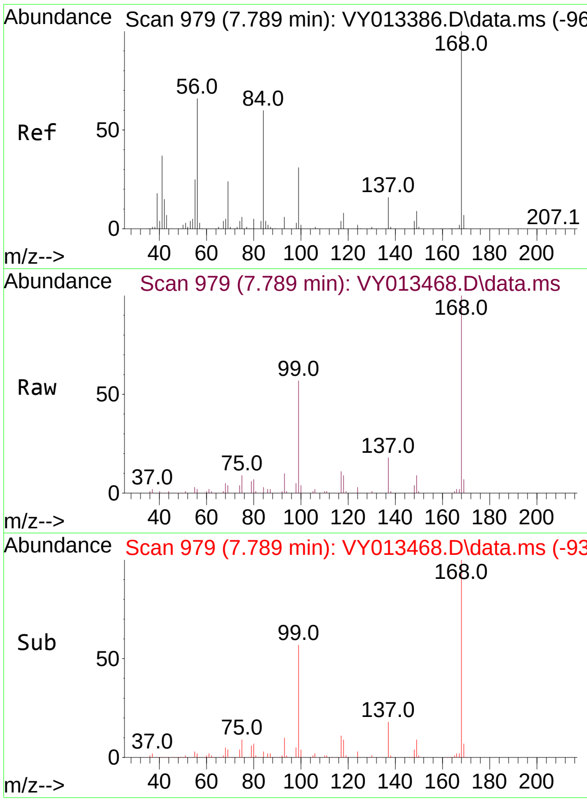
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
Data File : VY013468.D
Acq On : 26 Apr 2023 13:09
Operator : KP/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Apr 27 01:31:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration



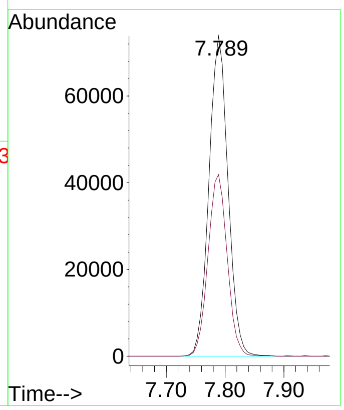


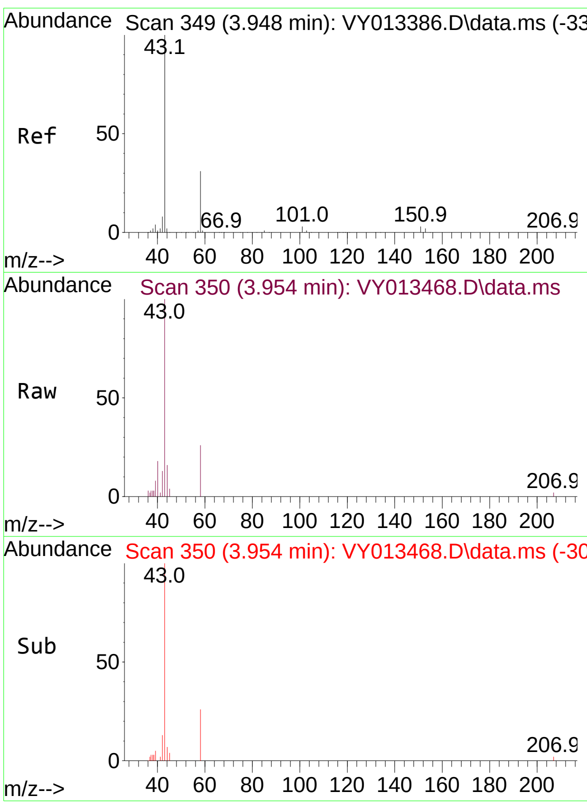
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 166388

Ion	Ratio	Lower	Upper
168	100		
99	56.8	41.8	62.6

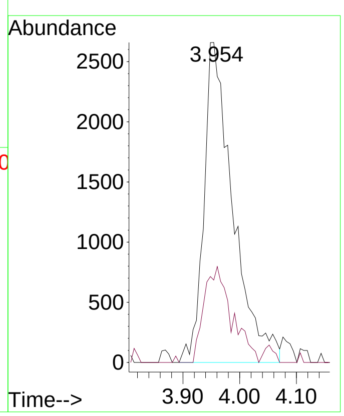


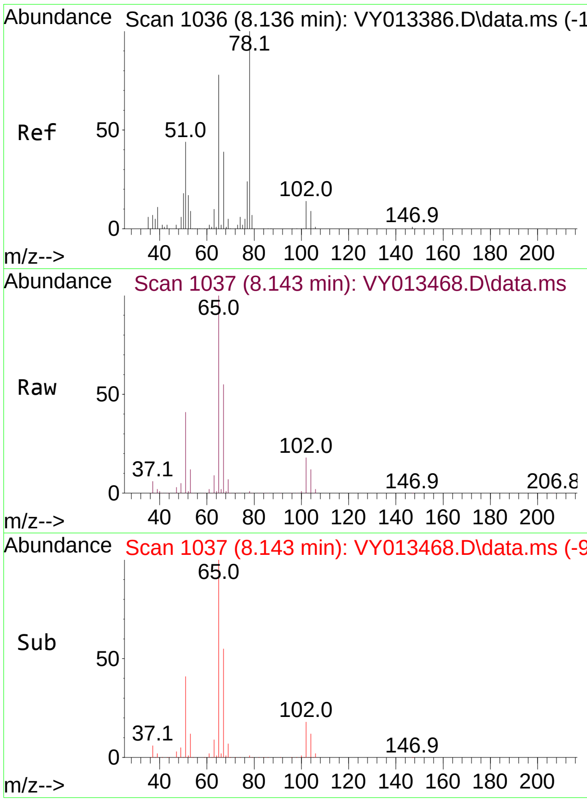


#16
Acetone
Concen: 13.202 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 43 Resp: 9483

Ion	Ratio	Lower	Upper
43	100		
58	25.7	25.4	38.0



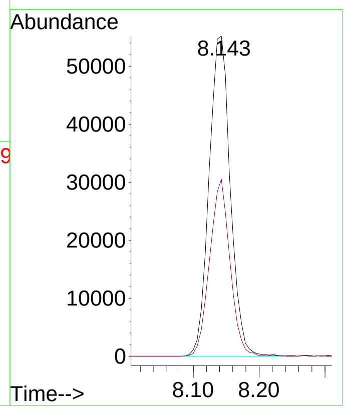


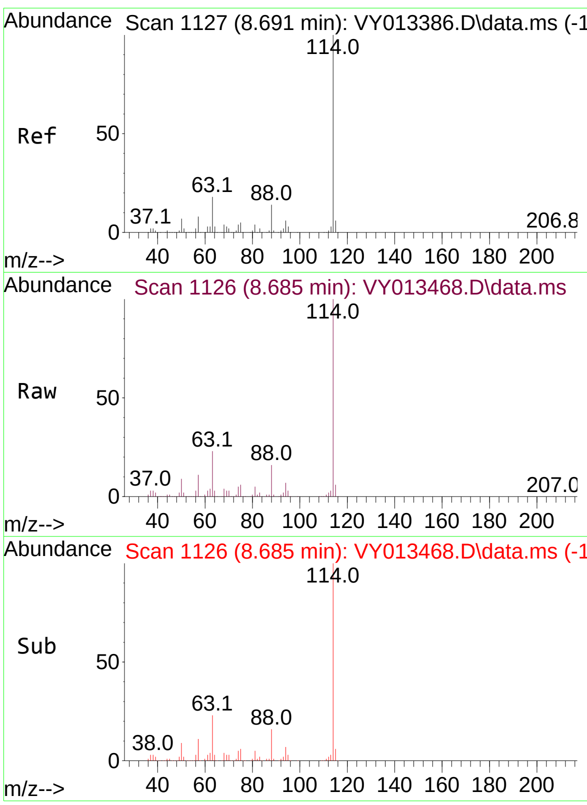
#33
1,2-Dichloroethane-d4
Concen: 68.041 ug/l
RT: 8.143 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 65 Resp: 124106

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.4

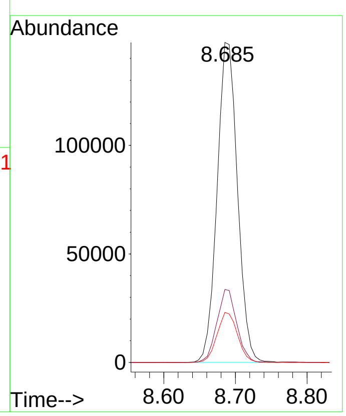


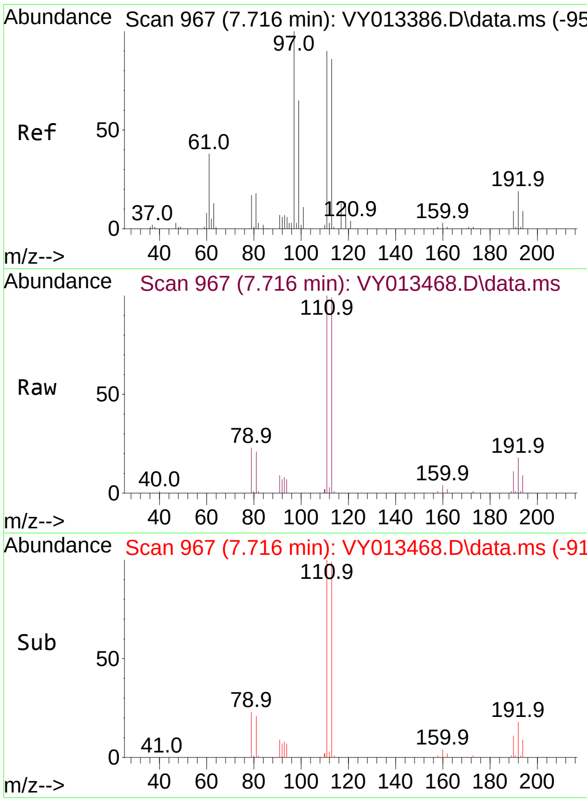


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion:114 Resp: 292003

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	36.6
88	15.6	0.0	28.8



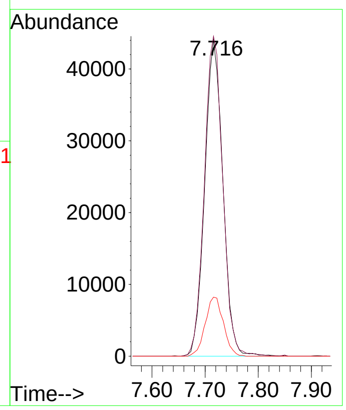


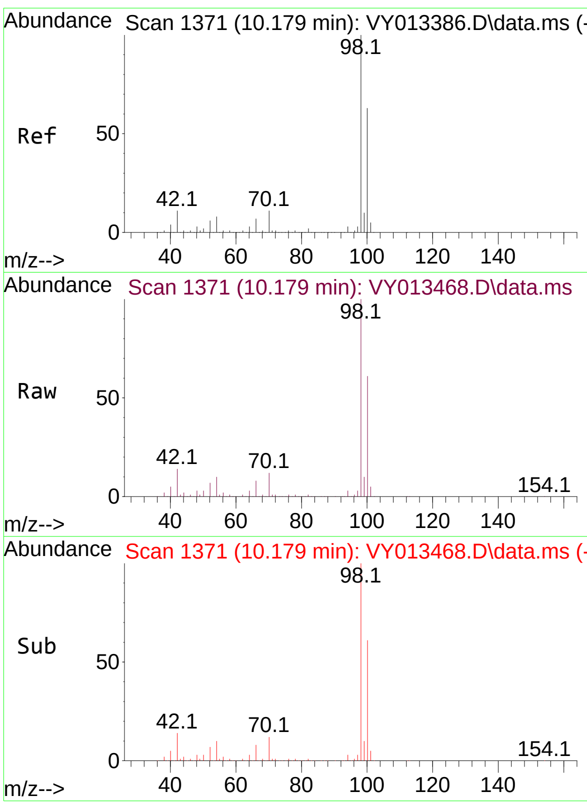
#35
Dibromofluoromethane
Concen: 56.927 ug/l
RT: 7.716 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:113 Resp: 104551

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	18.7	16.7	25.1

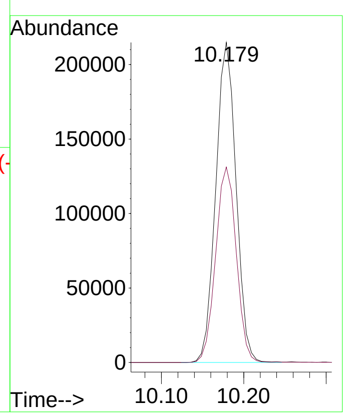


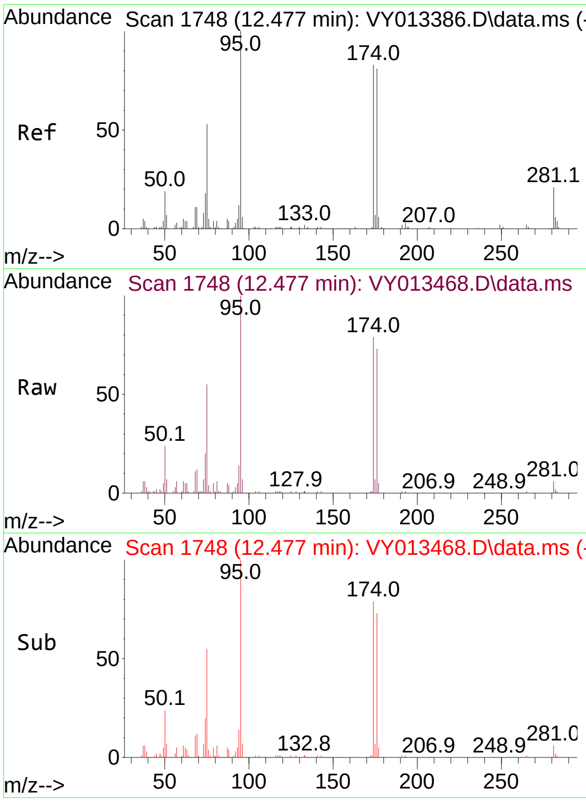


#50
Toluene-d8
Concen: 56.420 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 98 Resp: 368618

Ion	Ratio	Lower	Upper
98	100		
100	62.2	50.5	75.7





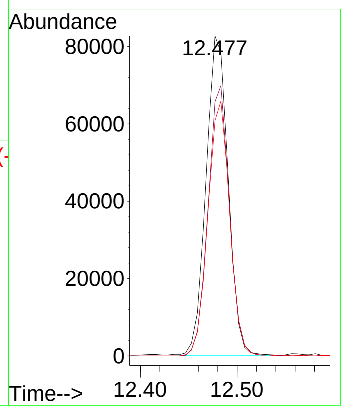
#62
4-Bromofluorobenzene
Concen: 59.674 ug/l
RT: 12.477 min Scan# 1

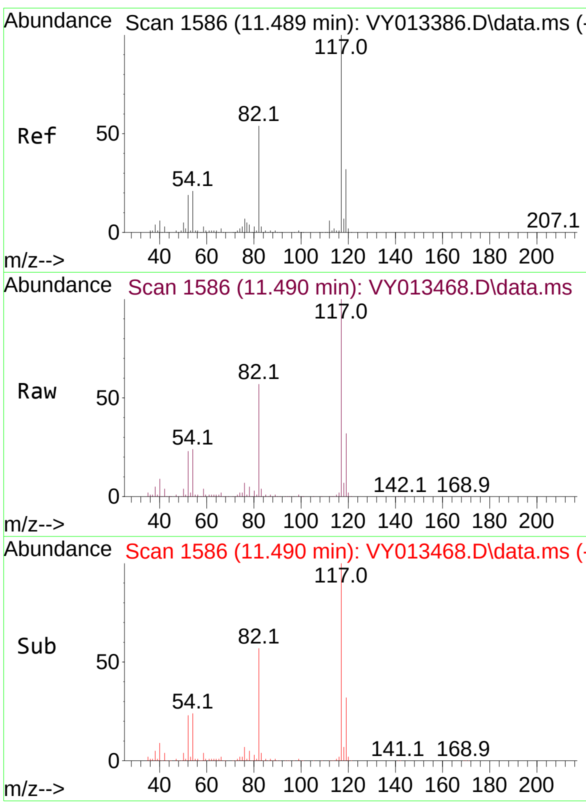
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Delta R.T. 0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 95 Resp: 131437

Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	182.0
176	78.7	0.0	175.4

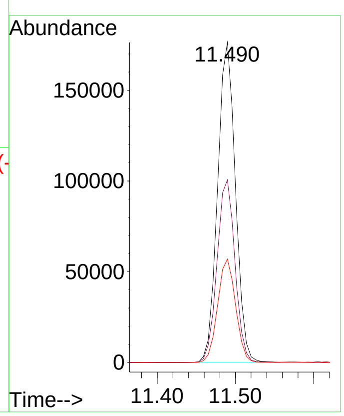


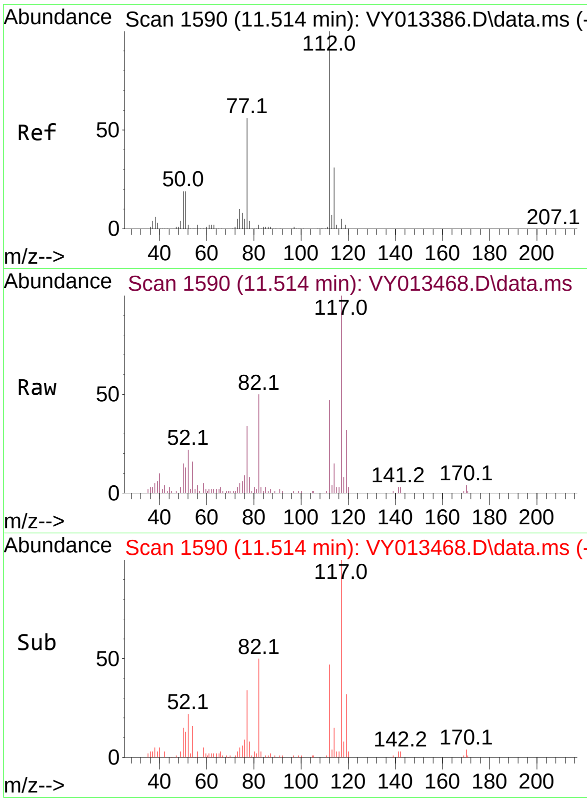


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion:117 Resp: 279972

Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.0	64.6
119	32.3	25.5	38.3



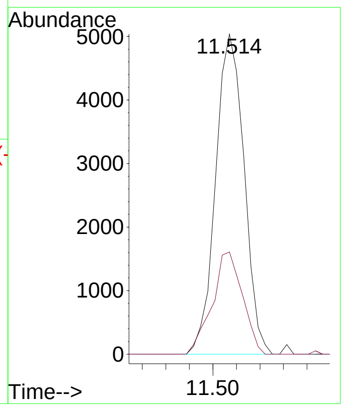


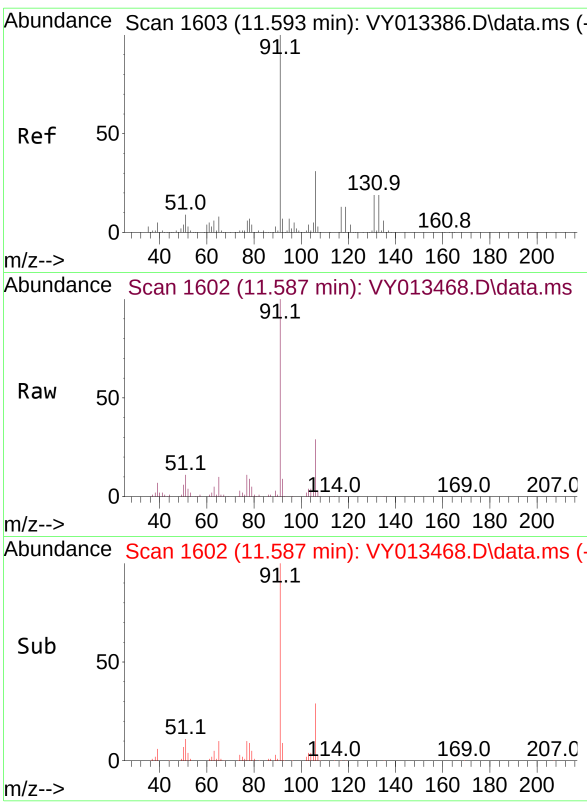
#65
Chlorobenzene
Concen: 1.389 ug/l
RT: 11.514 min Scan# 1!
Delta R.T. -0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:112 Resp: 8474

Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.9	37.3

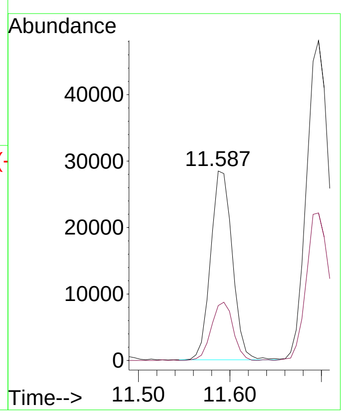


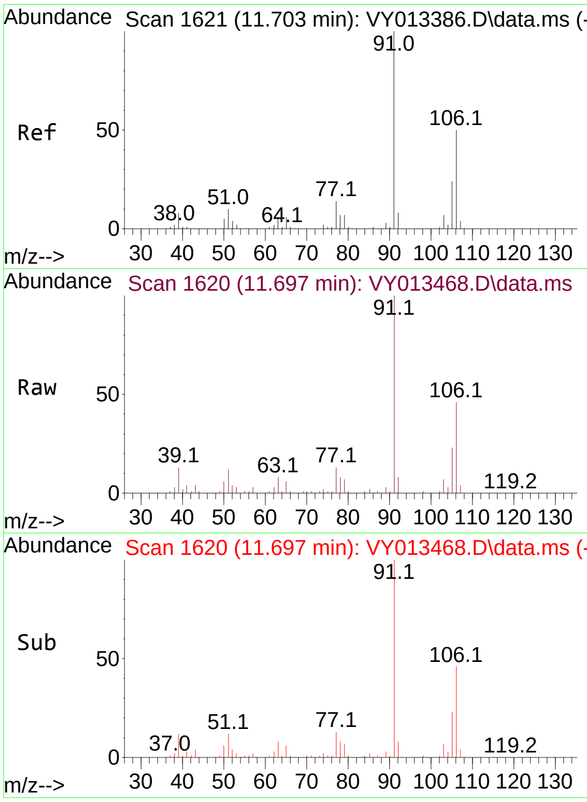


#67
Ethyl Benzene
Concen: 4.385 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 91 Resp: 46957

Ion	Ratio	Lower	Upper
91	100		
106	29.1	25.1	37.7



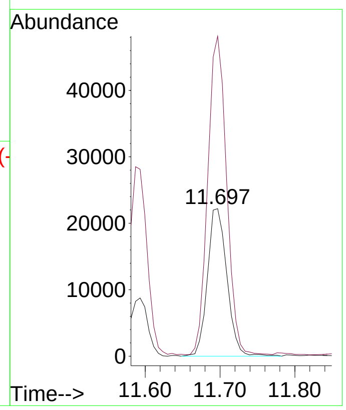


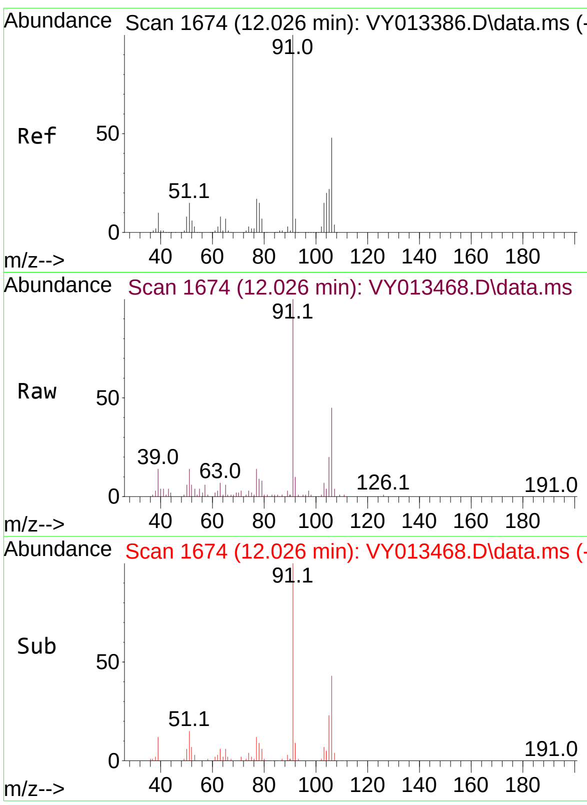
#68
m/p-Xylenes
Concen: 9.861 ug/l
RT: 11.697 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:106 Resp: 40147

Ion	Ratio	Lower	Upper
106	100		
91	209.0	160.9	241.3

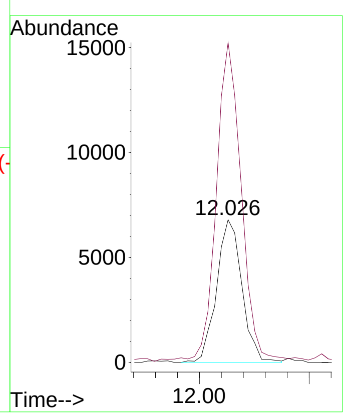


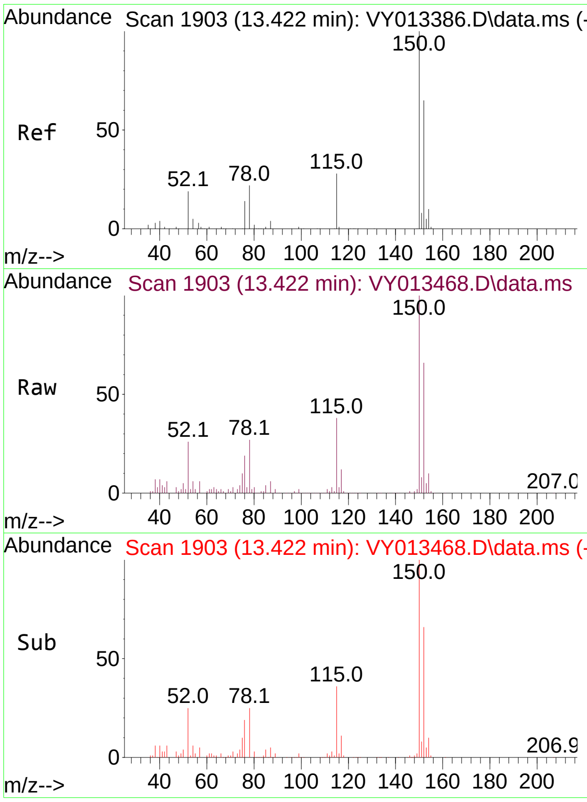


#69
o-Xylene
Concen: 2.837 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion:106 Resp: 10925

Ion	Ratio	Lower	Upper
106	100		
91	220.6	105.5	316.4



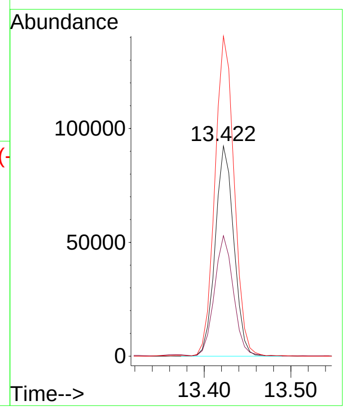


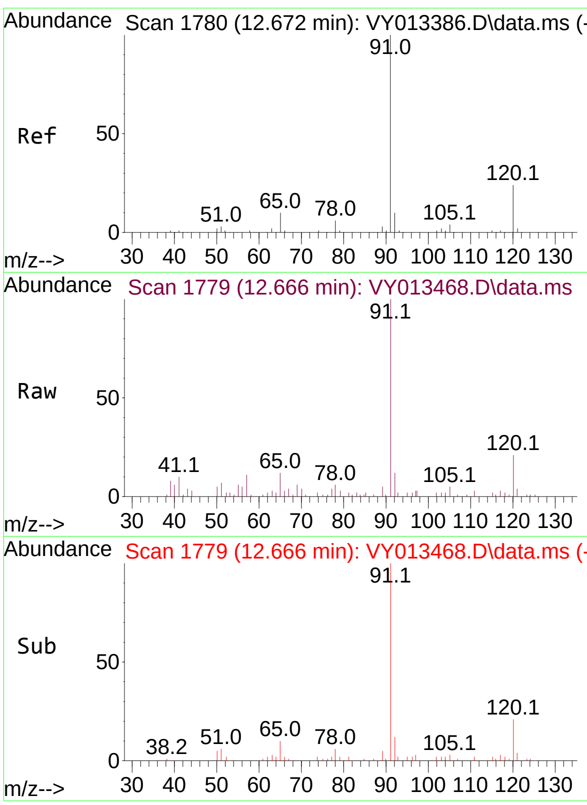
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:152 Resp: 137819

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.1	84.2
150	157.8	0.0	352.0

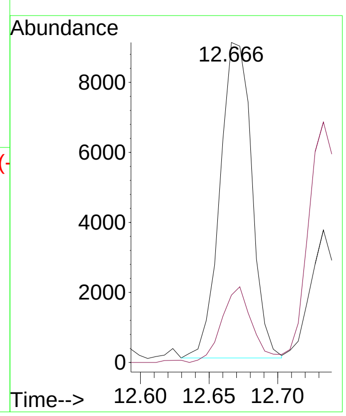


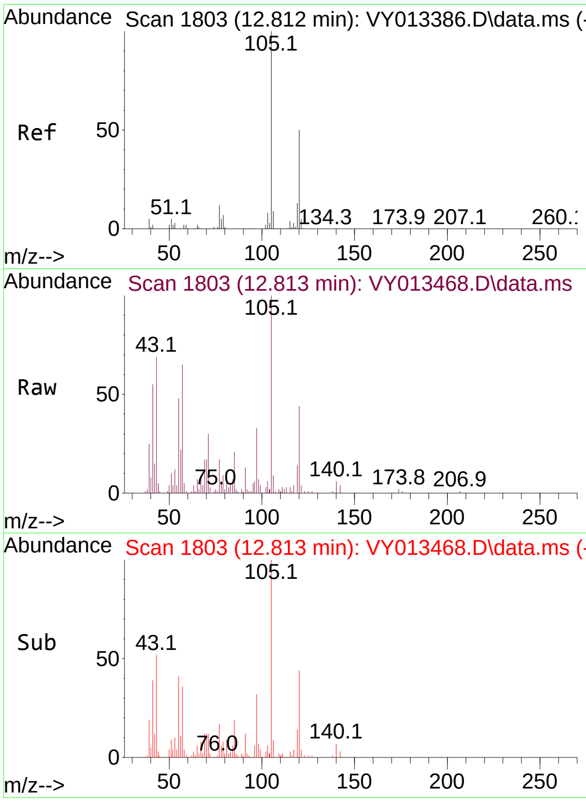


#78
n-propylbenzene
Concen: 1.131 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion: 91 Resp: 14521

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.9	35.9





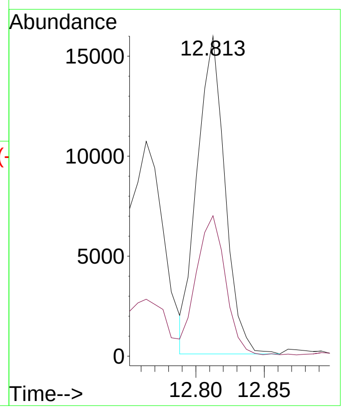
#80
1,3,5-Trimethylbenzene
Concen: 2.640 ug/l
RT: 12.813 min Scan# 1

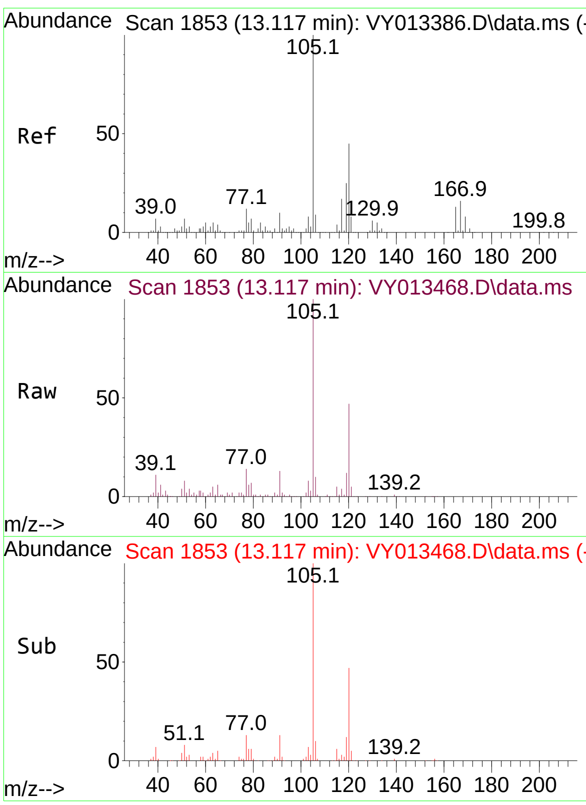
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Delta R.T. 0.001 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion:105 Resp: 22464

Ion	Ratio	Lower	Upper
105	100		
120	46.0	24.7	74.1

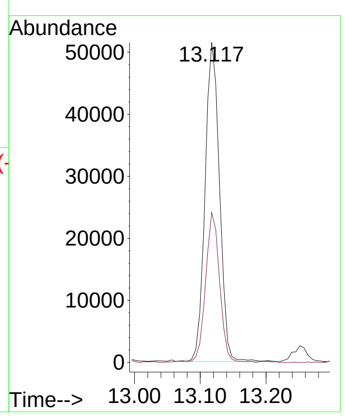


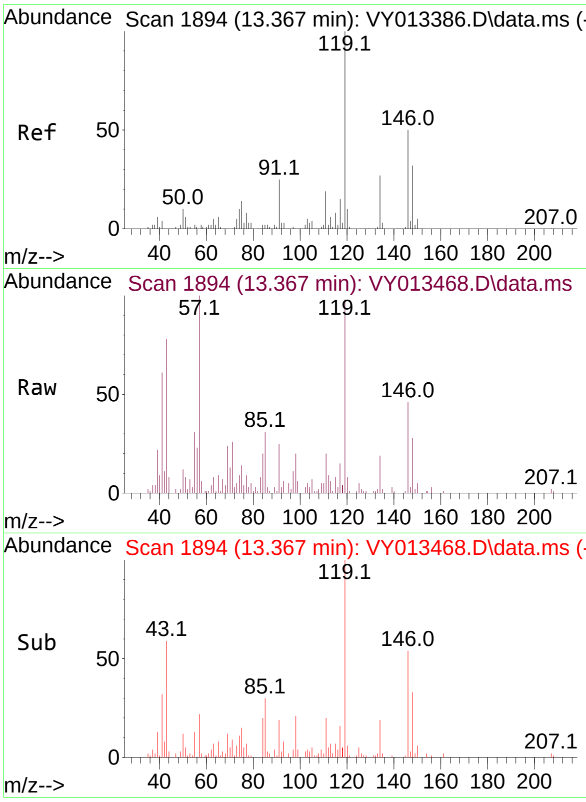


#84
1,2,4-Trimethylbenzene
Concen: 9.519 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion:105 Resp: 78737

Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.9



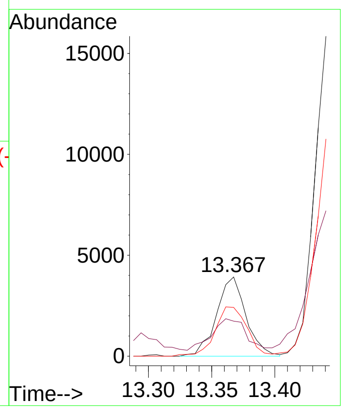


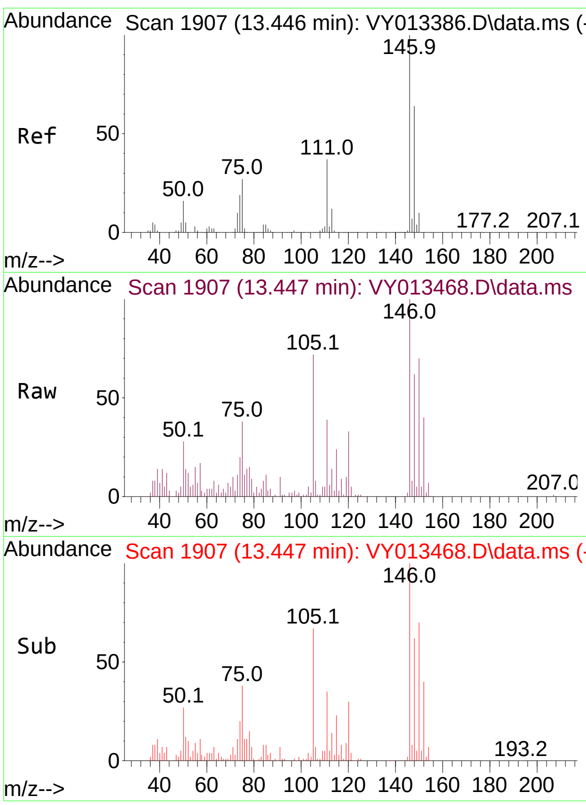
#87
1,3-Dichlorobenzene
Concen: 1.323 ug/l
RT: 13.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VBLK

Tgt Ion:146 Resp: 6364

Ion	Ratio	Lower	Upper
146	100		
111	50.0	19.3	57.9
148	67.4	31.9	95.7

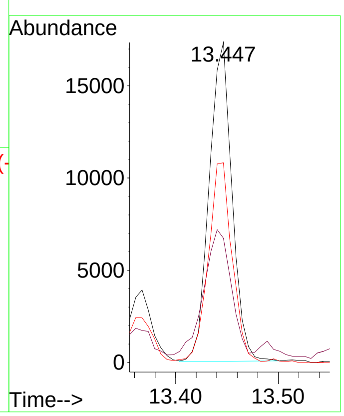


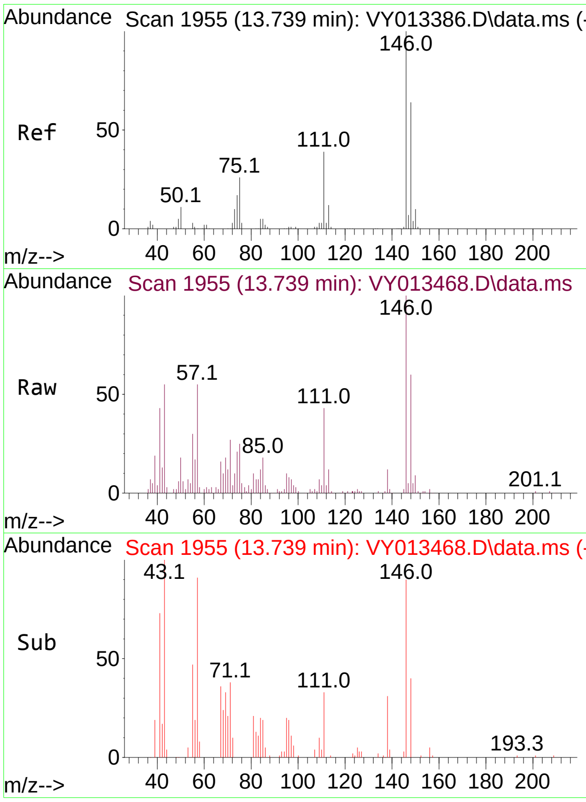


#88
1,4-Dichlorobenzene
Concen: 5.505 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.001 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Tgt Ion:146 Resp: 26761

Ion	Ratio	Lower	Upper
146	100		
111	52.5	18.9	56.5
148	64.8	31.9	95.5

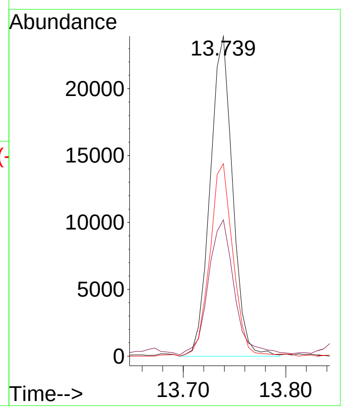


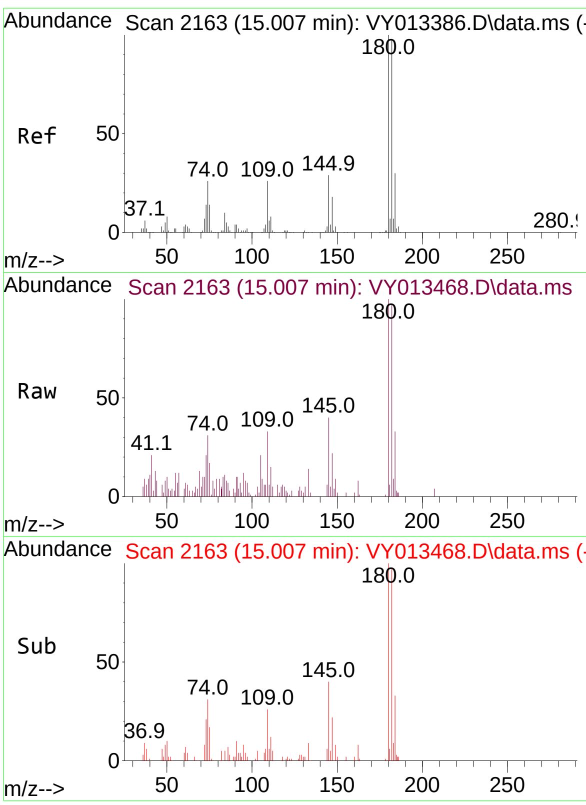



```
#91
1,2-Dichlorobenzene
Concen:    8.395 ug/l
RT:  13.739 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   VY013468.D
Acq: 26 Apr 2023  13:09

Tgt Ion:146 Resp:   36478
Ion  Ratio  Lower  Upper
146  100
111   48.5   19.8   59.4
148   61.7   31.8   95.4
```

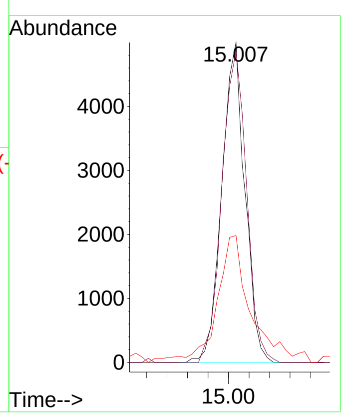
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

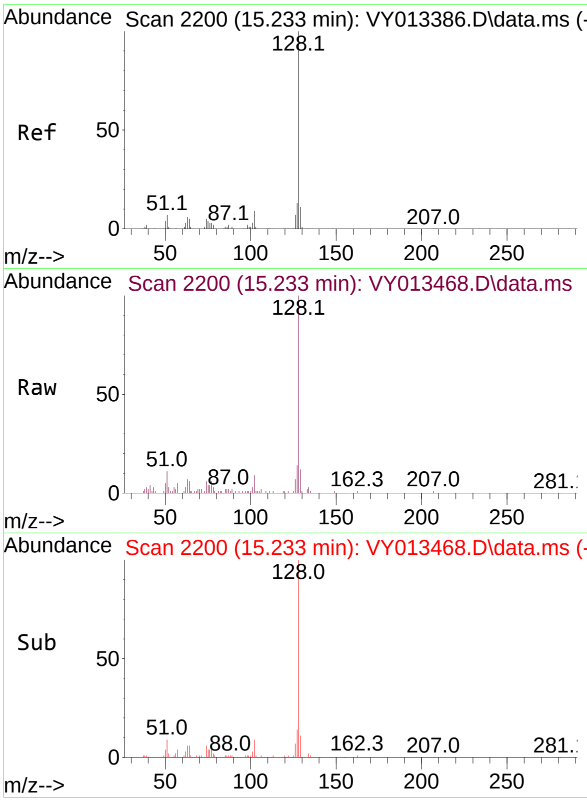





```
#93
1,2,4-Trichlorobenzene
Concen:    3.016 ug/l
RT:  15.007 min  Scan# 2163
Delta R.T.  0.000 min
Lab File:   VY013468.D
Acq: 26 Apr 2023  13:09

Tgt Ion:180 Resp:    7815
Ion  Ratio  Lower  Upper
180  100
182  103.8   48.5  145.5
145   58.6   15.0   45.0#
```





#95
Naphthalene
Concen: 10.057 ug/l
RT: 15.233 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY013468.D
Acq: 26 Apr 2023 13:09

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 56533

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	12.0	8.8	13.2