Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021122\
Data File : VY007478.D
Acq On : 11 Feb 2022 14:40
Operator : SY/MD
Sample : N1465-06
Misc : 6.73g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Quant Time: Feb 12 02:53:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 03 04:36:48 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.813	168	50117	50.000 ug/l	# 0.02
34) 1,4-Difluorobenzene	8.703	114	99143	50.000 ug/l	# 0.01
63) Chlorobenzene-d5	11.502	117	104455	50.000 ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	45691	50.000 ug/l	# 0.01
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.081	65	225605	391.357 ug/l	-0.06
Spiked Amount 50.000	Range 50 - 163		Recovery = 782.720%#		
35) Dibromofluoromethane	7.728	113	43969	69.065 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 138.120%		
50) Toluene-d8	10.215	98	880533	374.368 ug/l	0.03
Spiked Amount 50.000	Range 49 - 140		Recovery = 748.740%#		
62) 4-Bromofluorobenzene	12.495	95	248777	311.190 ug/l	0.01
Spiked Amount 50.000	Range 25 - 144		Recovery = 622.380%#		
Target Compounds					Qvalue
5) Bromomethane	2.656	94	914	2.181 ug/l #	61
17) Carbon Disulfide	4.210	76	16592	9.060 ug/l	100
31) Cyclohexane	7.844	56	19372754	17222.612 ug/l #	96
39) Methylcyclohexane	9.228	83	24692219	17665.891 ug/l #	87
40) Benzene	8.185	78	7276186	2466.369 ug/l	95
52) Toluene	10.276	92	2483264	1335.960 ug/l	95
67) Ethyl Benzene	11.599	91	38923533m	8827.336 ug/l	
68) m/p-Xylenes	11.721	106	4449953	2724.789 ug/l	100
69) o-Xylene	12.044	106	2258678	1462.805 ug/l	91
73) Isopropylbenzene	12.343	105	11790362	2823.500 ug/l	99
78) n-propylbenzene	12.678	91	22817465	4511.271 ug/l #	65
80) 1,3,5-Trimethylbenzene	12.831	105	11603826	3406.337 ug/l	98
83) tert-Butylbenzene	13.087	119	102948	34.715 ug/l #	24
84) 1,2,4-Trimethylbenzene	13.129	105	623748	185.967 ug/l	98
85) sec-Butylbenzene	13.263	105	2992621	672.783 ug/l #	55
86) p-Isopropyltoluene	13.379	119	930777	256.871 ug/l	95
89) n-Butylbenzene	13.702	91	2771226	794.599 ug/l #	79
95) Naphthalene	15.239	128	1986888	1075.498 ug/l	99

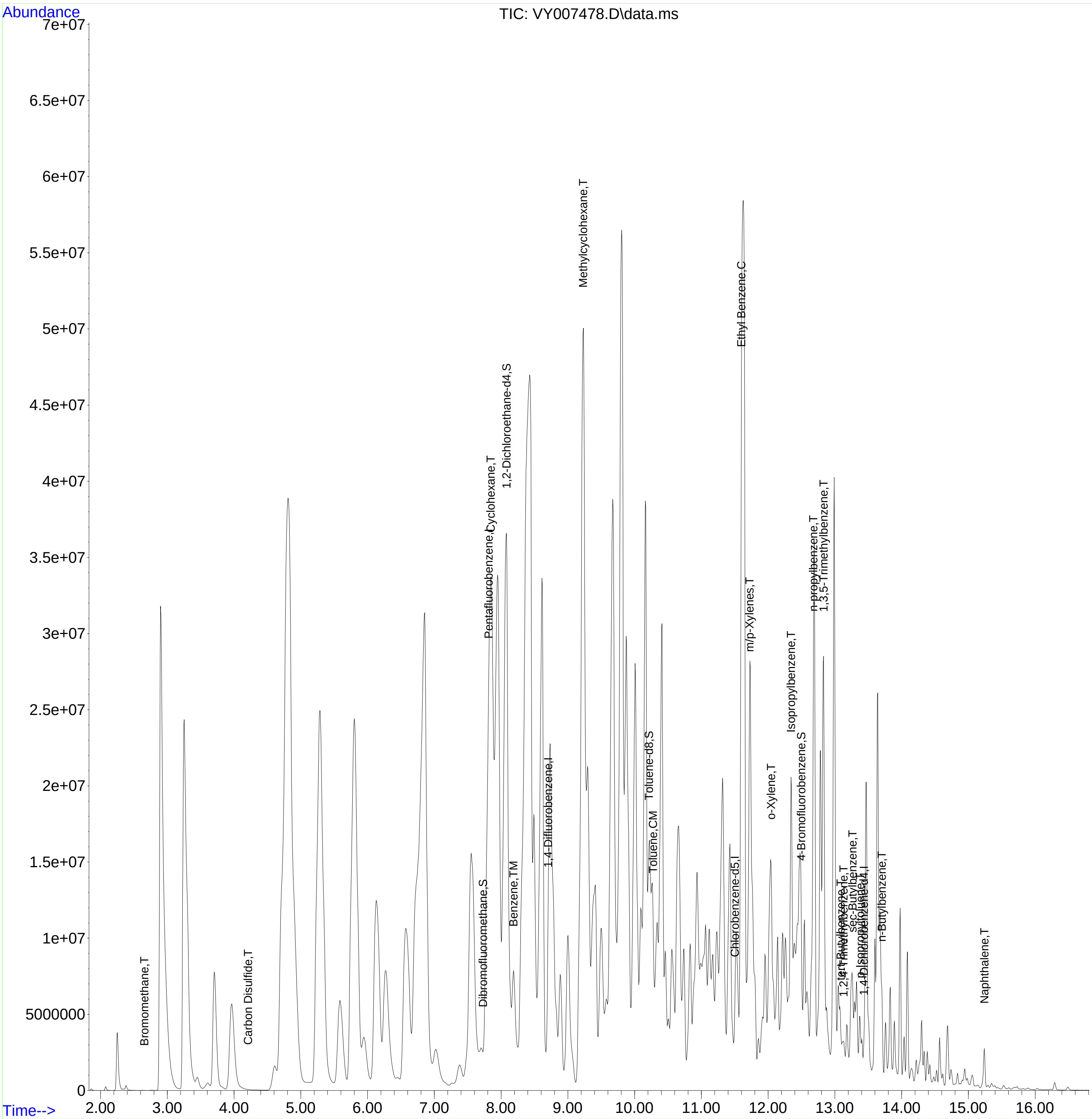
(#) = qualifier out of range (m) = manual integration (+) = signals summed

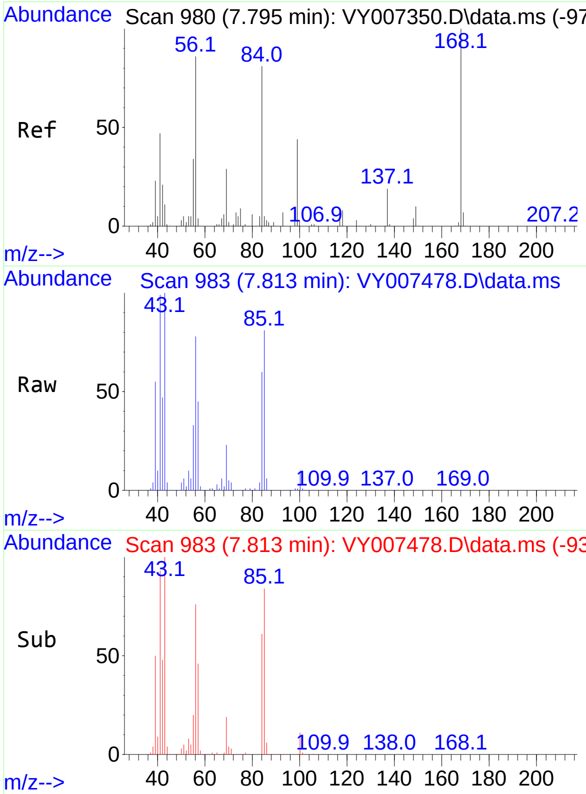
Quantitation Report   (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021122\
Data File : VY007478.D
Acq On   : 11 Feb 2022 14:40
Operator : SY/MD
Sample   : N1465-06
Misc   : 6.73g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7   Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Quant Time: Feb 12 02:53:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 03 04:36:48 2022
Response via : Initial Calibration





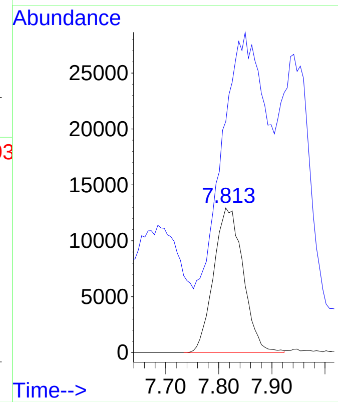
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min   Scan# 9

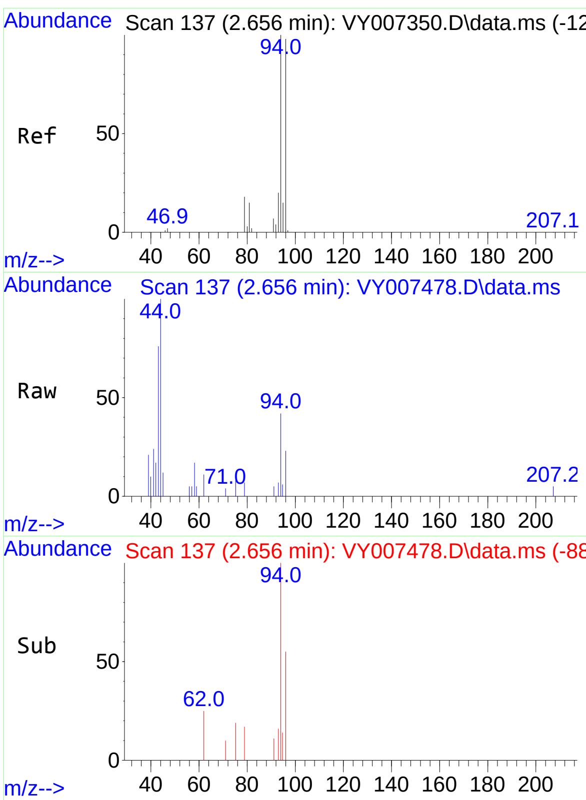
Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Delta R.T.   0.018 min
Lab File: VY007478.D
Acq: 11 Feb 2022   14:40

Tgt Ion:168 Resp: 50117

Ion	Ratio	Lower	Upper
168	100		
99	106.6	46.9	70.3#

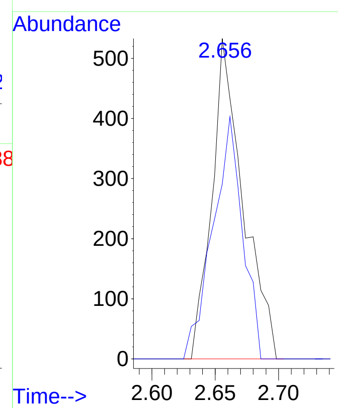


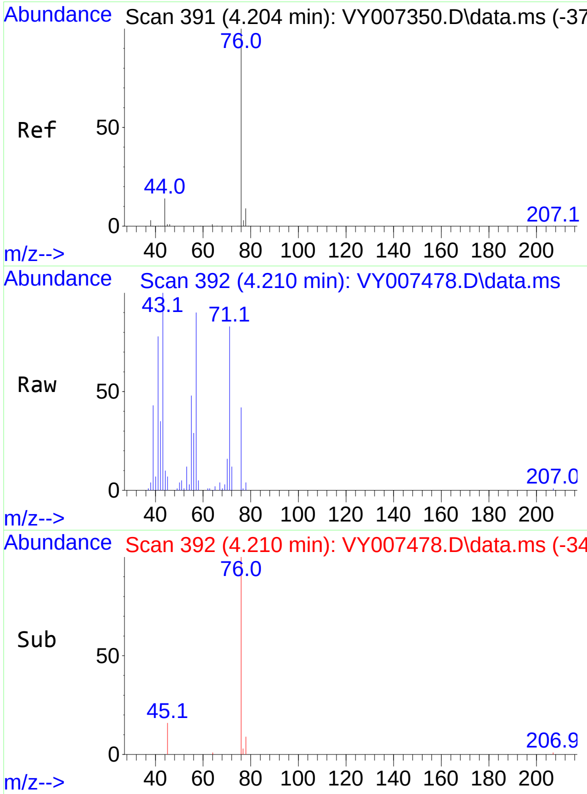


#5
Bromomethane
Concen: 2.181 ug/l
RT: 2.656 min   Scan# 137
Delta R.T.   -0.000 min
Lab File: VY007478.D
Acq: 11 Feb 2022   14:40

Tgt Ion: 94 Resp: 914

Ion	Ratio	Lower	Upper
94	100		
96	54.6	73.5	110.3#



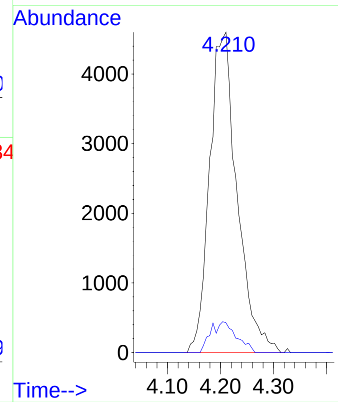


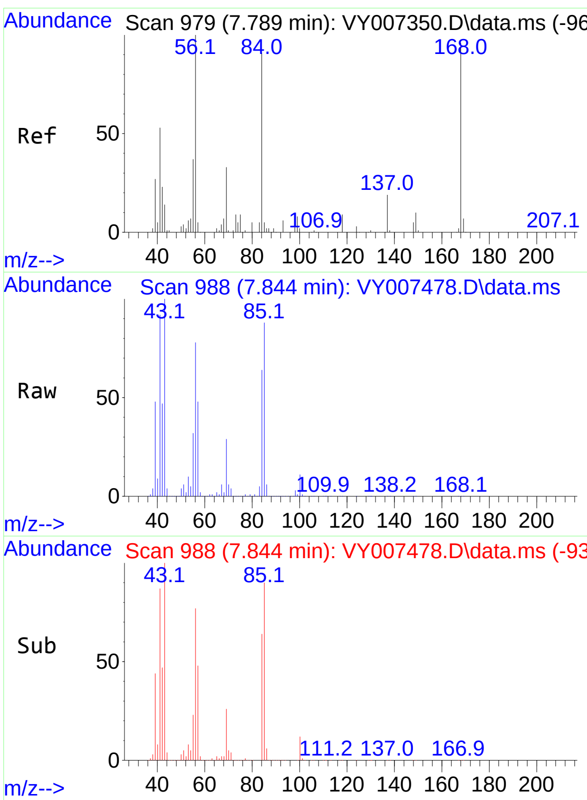
#17
Carbon Disulfide
Concen: 9.060 ug/l
RT: 4.210 min   Scan# 39
Delta R.T.   0.006 min
Lab File: VY007478.D
Acq: 11 Feb 2022   14:40

Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Tgt Ion: 76 Resp: 16592

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

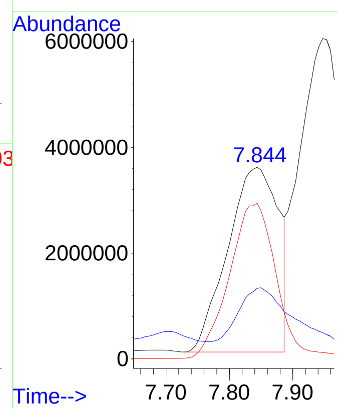


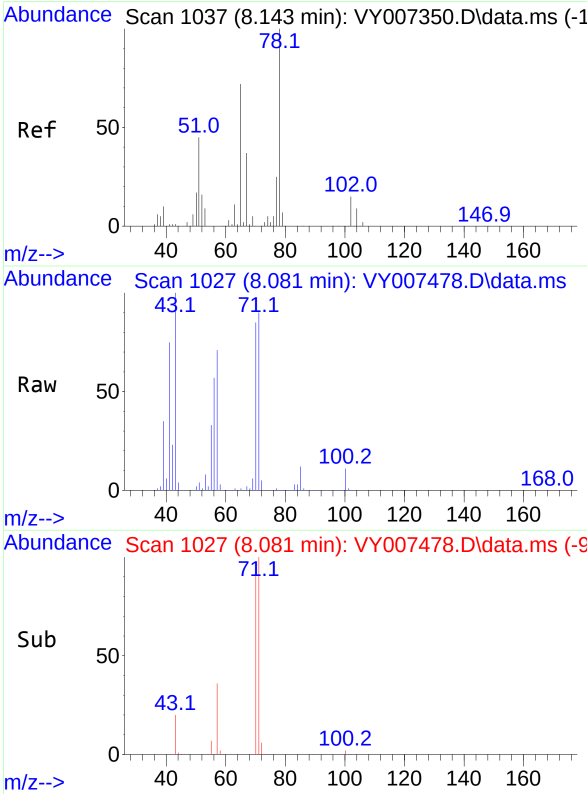


#31
Cyclohexane
Concen: 17222.612 ug/l
RT: 7.844 min   Scan# 988
Delta R.T.   0.055 min
Lab File: VY007478.D
Acq: 11 Feb 2022   14:40

Tgt Ion: 56 Resp:19372754

Ion	Ratio	Lower	Upper
56	100		
69	25.7	26.7	40.1#
84	84.0	67.2	100.8



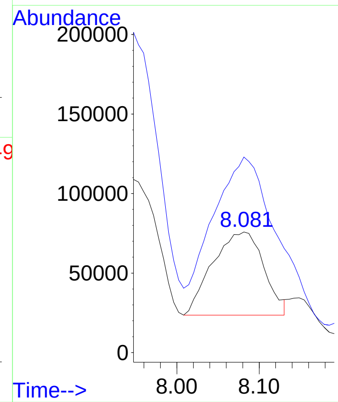


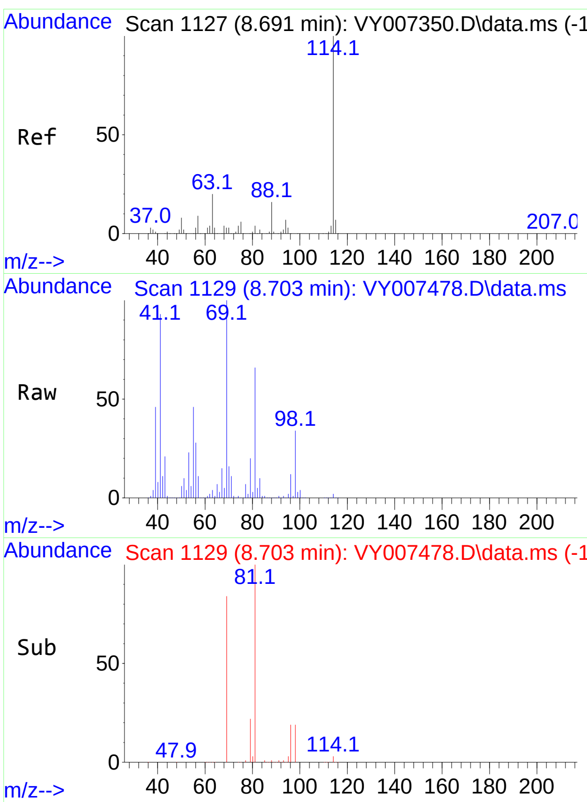
#33
1,2-Dichloroethane-d4
Concen: 391.357 ug/l
RT: 8.081 min   Scan# 1
Delta R.T.   -0.061 min
Lab File: VY007478.D
Acq: 11 Feb 2022   14:40

Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Tgt Ion: 65 Resp: 225605

Ion	Ratio	Lower	Upper
65	100		
67	259.1	0.0	99.4#

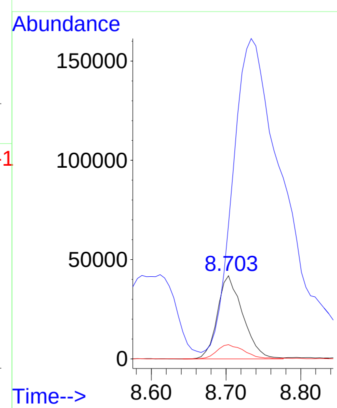


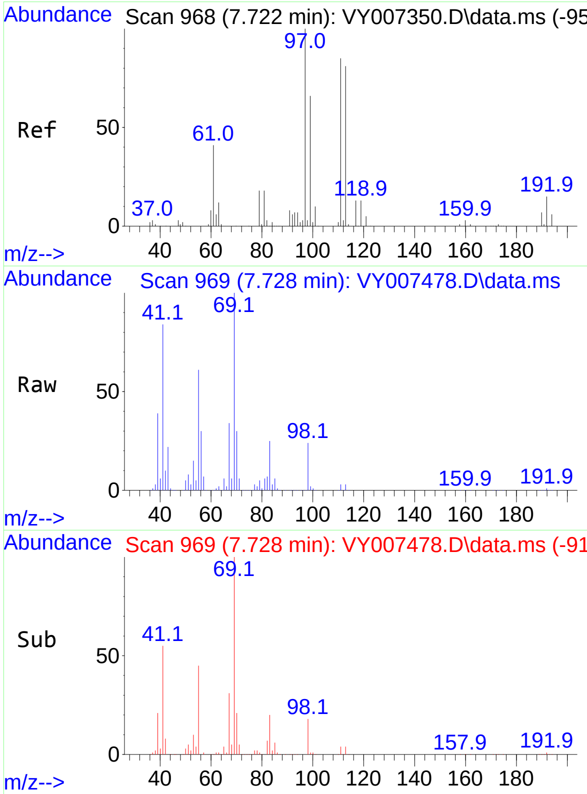


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min   Scan# 1129
Delta R.T.   0.012 min
Lab File: VY007478.D
Acq: 11 Feb 2022   14:40

Tgt Ion:114 Resp: 99143

Ion	Ratio	Lower	Upper
114	100		
63	128.9	0.0	43.2#
88	17.1	0.0	31.8





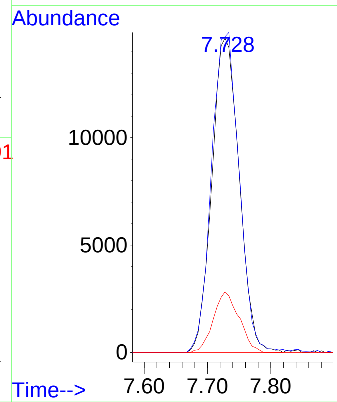
#35
Dibromofluoromethane
Concen: 69.065 ug/l
RT: 7.728 min   Scan# 9

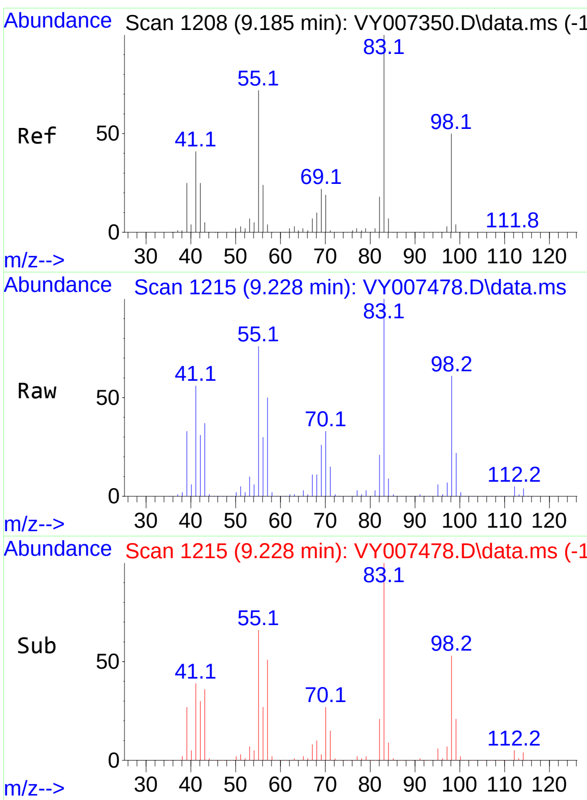
Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Delta R.T.   0.006 min
Lab File: VY007478.D
Acq: 11 Feb 2022   14:40

Tgt Ion:113 Resp: 43969

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	18.1	17.6	26.4

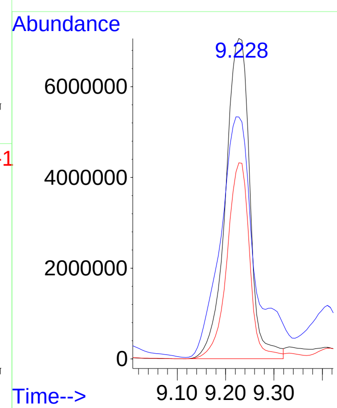


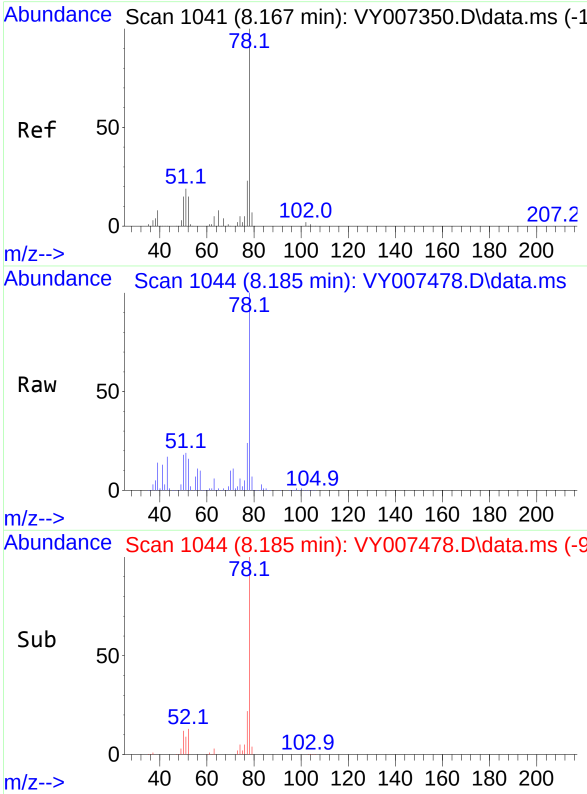


#39
Methylcyclohexane
Concen: 17665.891 ug/l
RT: 9.228 min   Scan# 1215
Delta R.T.   0.043 min
Lab File: VY007478.D
Acq: 11 Feb 2022   14:40

Tgt Ion: 83 Resp:24692219

Ion	Ratio	Lower	Upper
83	100		
55	75.0	66.5	99.7
98	61.2	37.9	56.9#



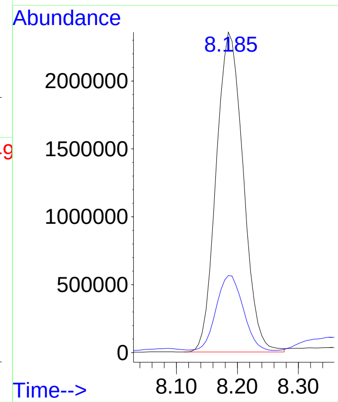


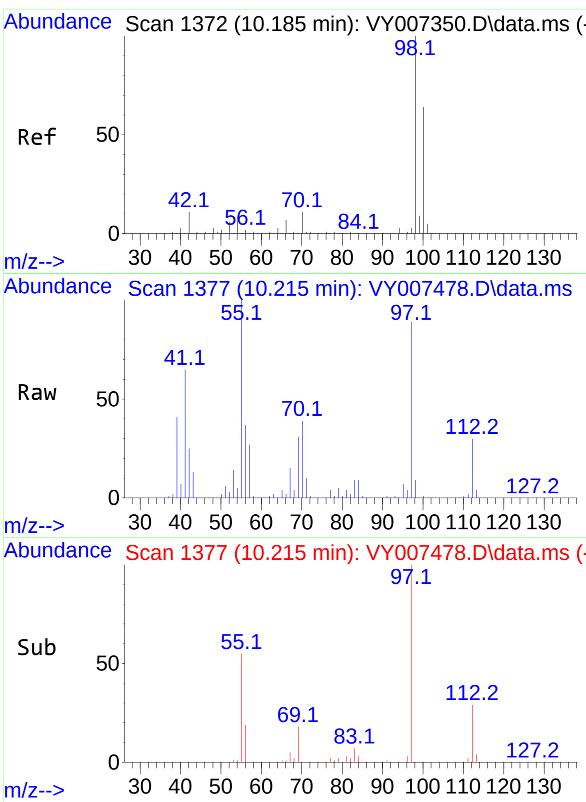
#40
Benzene
Concen: 2466.369 ug/l
RT: 8.185 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Tgt Ion: 78 Resp: 7276186

Ion	Ratio	Lower	Upper
78	100		
77	23.2	20.4	30.6

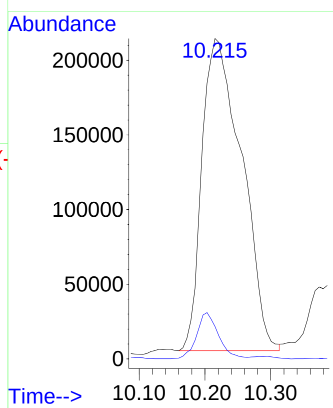


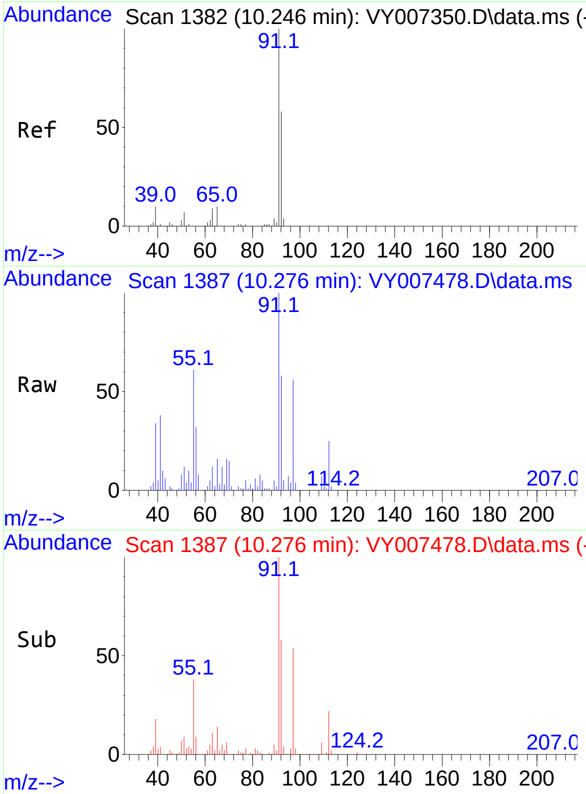


#50
Toluene-d8
Concen: 374.368 ug/l
RT: 10.215 min Scan# 1377
Delta R.T. 0.030 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion: 98 Resp: 880533

Ion	Ratio	Lower	Upper
98	100		
100	8.1	50.2	75.2#





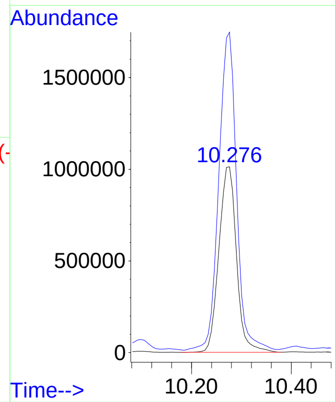
#52
Toluene
Concen: 1335.960 ug/l
RT: 10.276 min Scan# 1

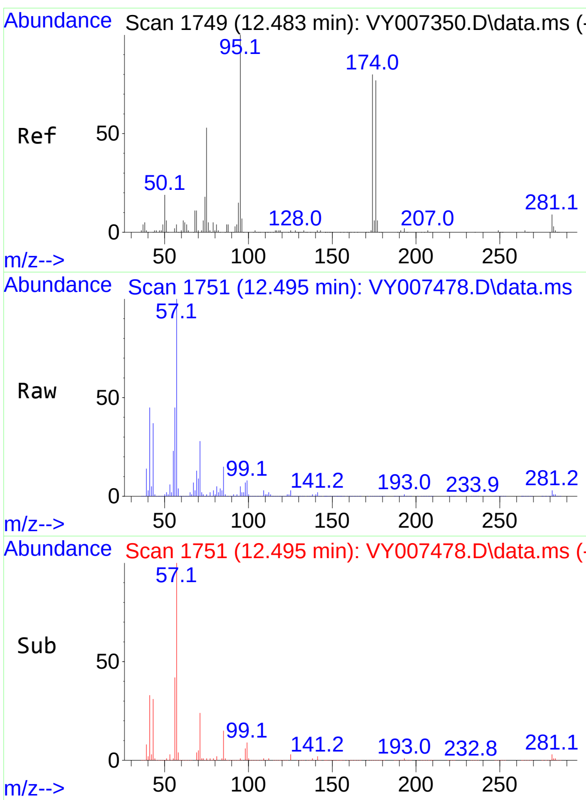
Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Delta R.T. 0.030 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion: 92 Resp: 2483264

Ion	Ratio	Lower	Upper
92	100		
91	171.8	142.6	213.8

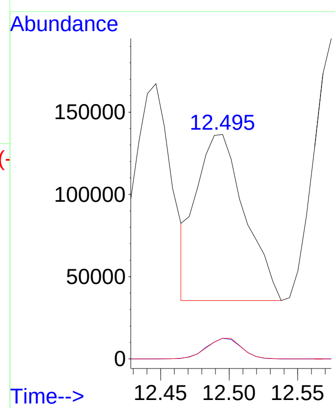


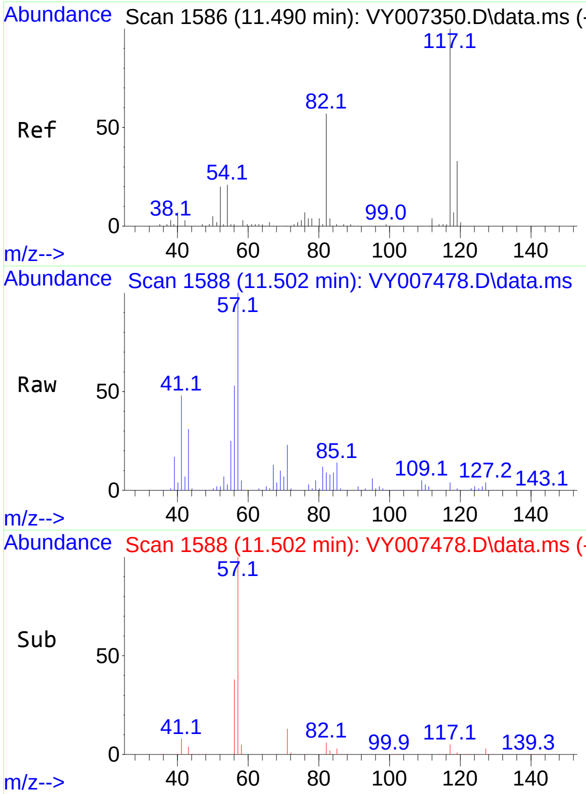


#62
4-Bromofluorobenzene
Concen: 311.190 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion: 95 Resp: 248777

Ion	Ratio	Lower	Upper
95	100		
174	8.9	0.0	177.0
176	9.0	0.0	175.8



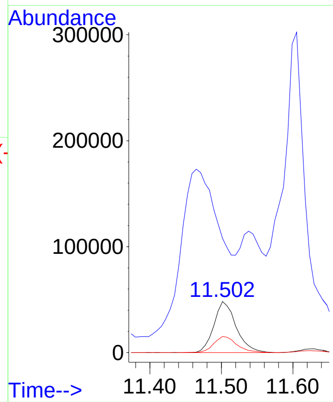


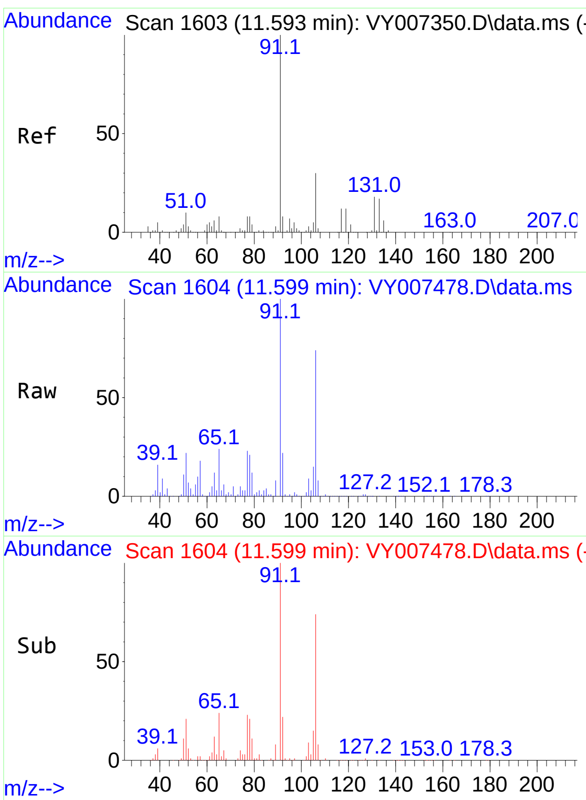
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Tgt Ion:117 Resp: 104455

Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.0	64.4
119	31.4	25.4	38.0

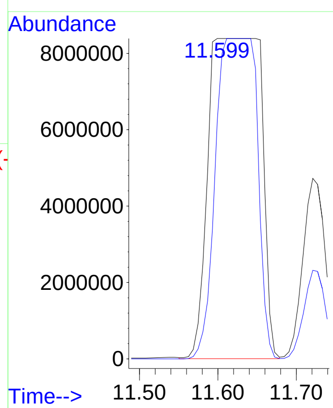


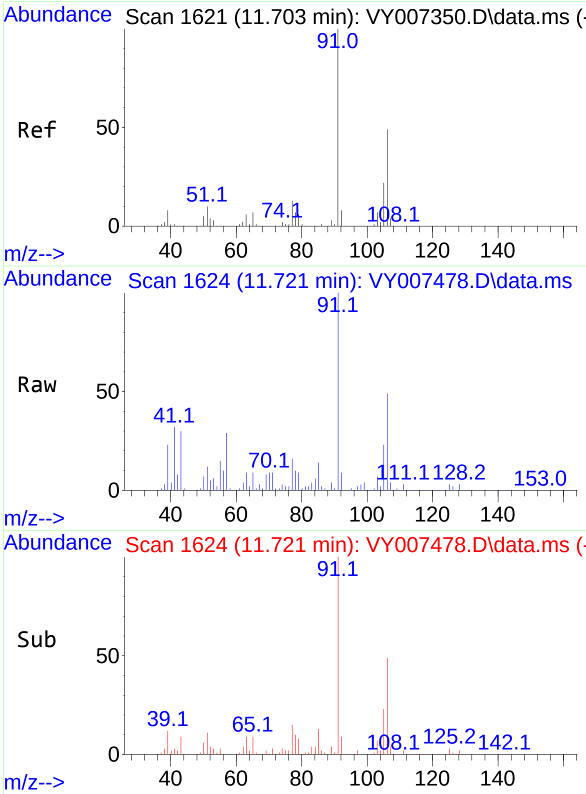


#67
Ethyl Benzene
Concen: 8827.336 ug/l m
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion: 91 Resp:38923533

Ion	Ratio	Lower	Upper
91	100		
106	74.4	24.5	36.7#



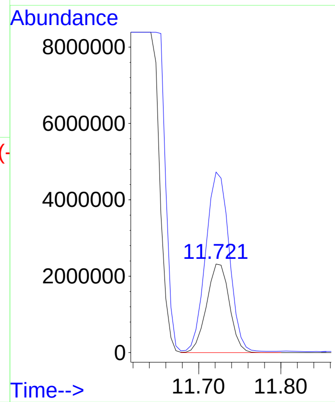


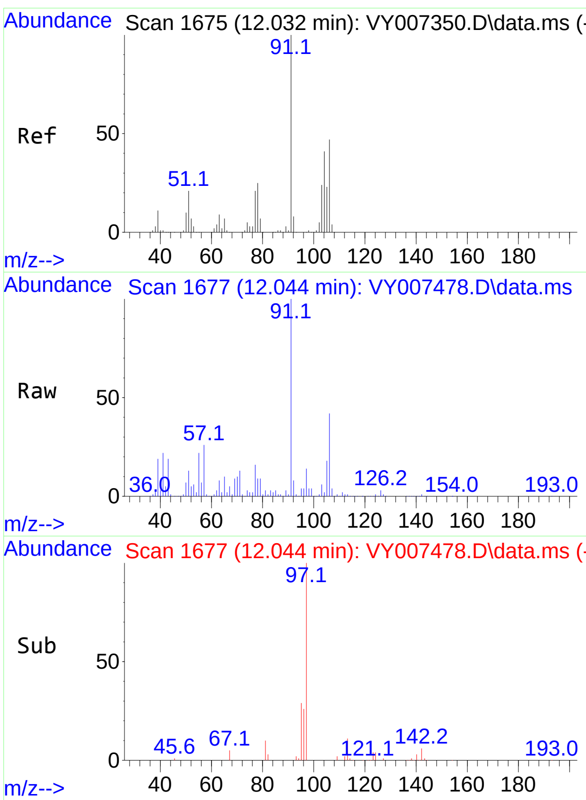
#68
m/p-Xylenes
Concen: 2724.789 ug/l
RT: 11.721 min Scan# 1(
Delta R.T. 0.018 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Tgt Ion:106 Resp: 4449953

Ion	Ratio	Lower	Upper
106	100		
91	208.2	166.6	249.8

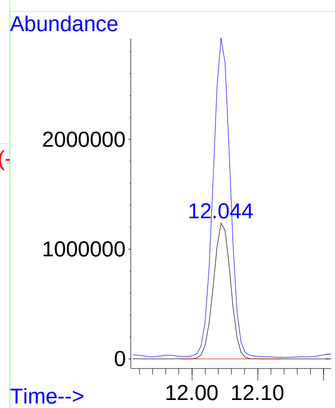


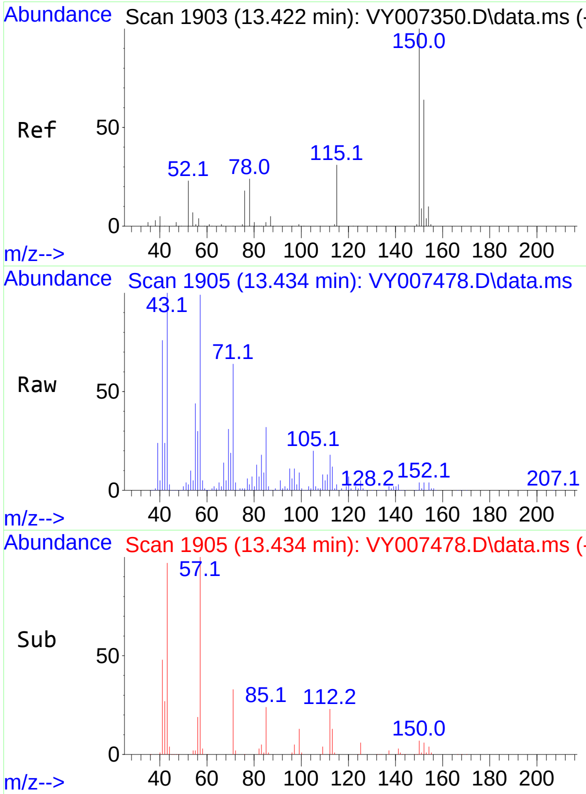


#69
o-Xylene
Concen: 1462.805 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.012 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion:106 Resp: 2258678

Ion	Ratio	Lower	Upper
106	100		
91	235.7	110.3	331.0



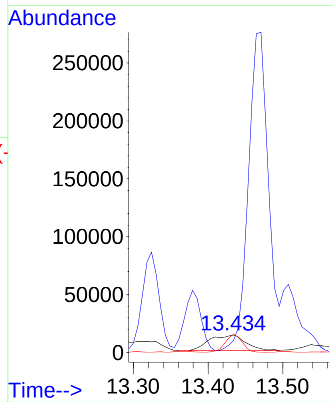


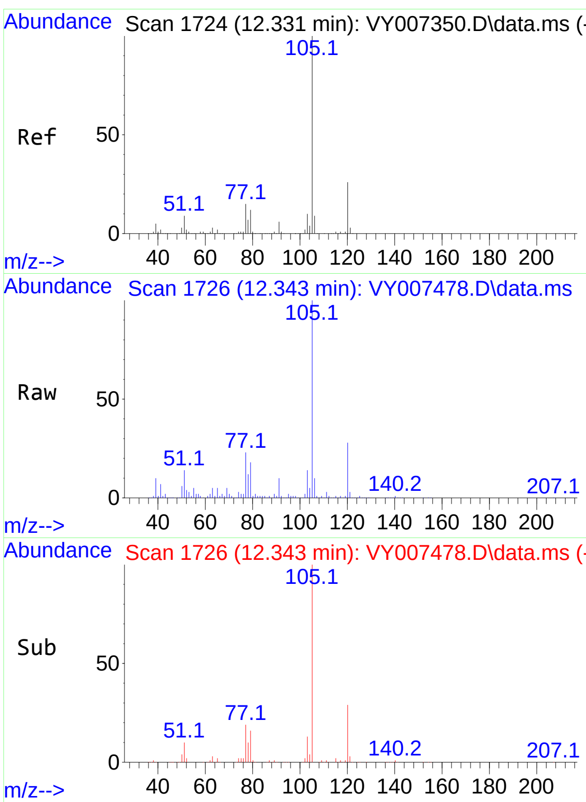
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Tgt Ion:152 Resp: 45691

Ion	Ratio	Lower	Upper
152	100		
115	0.0	28.2	84.7#
150	52.9	0.0	347.6

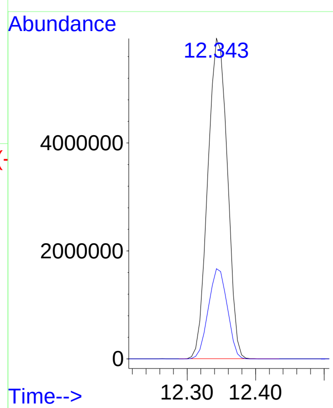


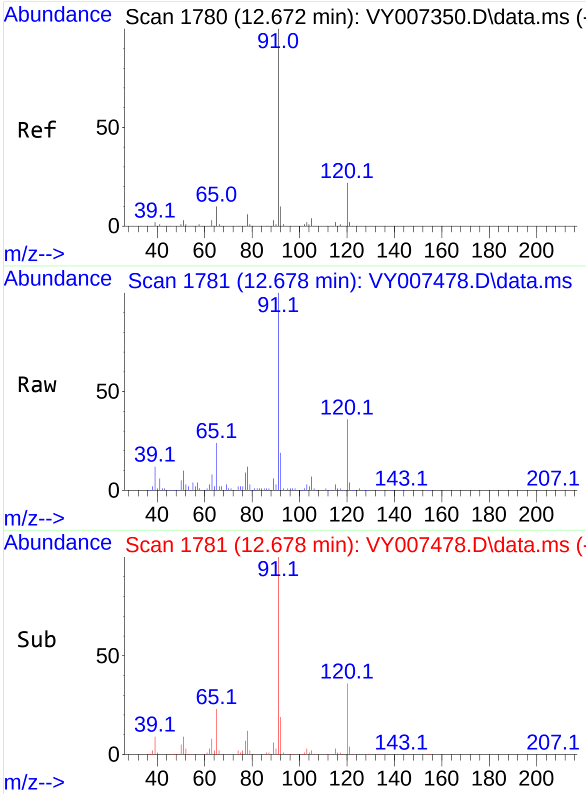


#73
Isopropylbenzene
Concen: 2823.500 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.012 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion:105 Resp:11790362

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.4	40.2



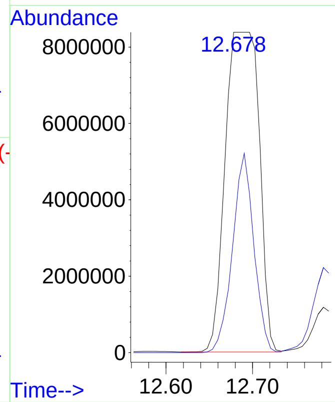


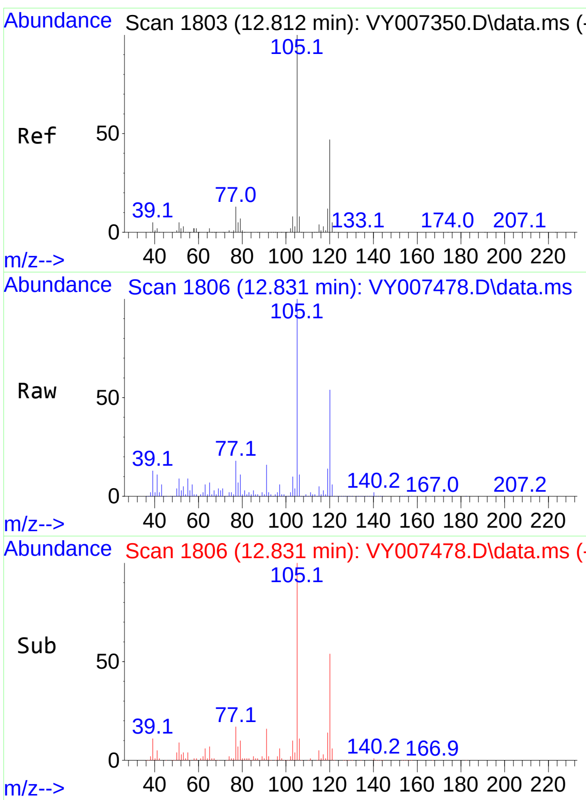
#78
n-propylbenzene
Concen: 4511.271 ug/l
RT: 12.678 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Tgt Ion: 91 Resp:22817465

Ion	Ratio	Lower	Upper
91	100		
120	39.3	11.3	33.9#

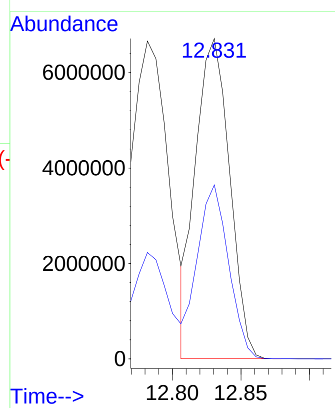


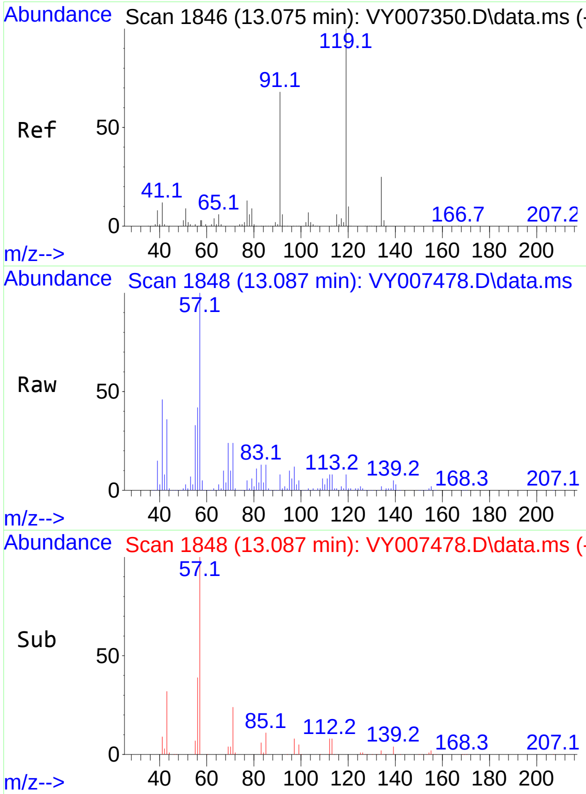


#80
1,3,5-Trimethylbenzene
Concen: 3406.337 ug/l
RT: 12.831 min Scan# 1806
Delta R.T. 0.018 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion:105 Resp:11603826

Ion	Ratio	Lower	Upper
105	100		
120	49.9	24.4	73.4



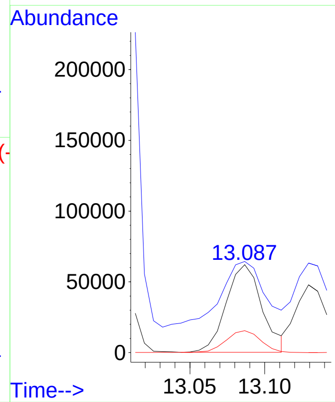


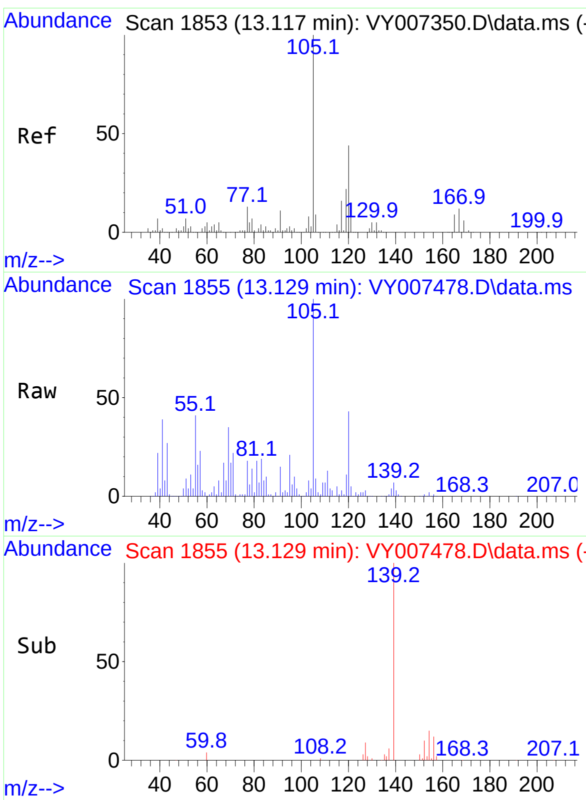
#83
tert-Butylbenzene
Concen: 34.715 ug/l
RT: 13.087 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Tgt Ion:119 Resp: 102948

Ion	Ratio	Lower	Upper
119	100		
91	0.0	34.8	104.4#
134	0.0	13.3	39.9#

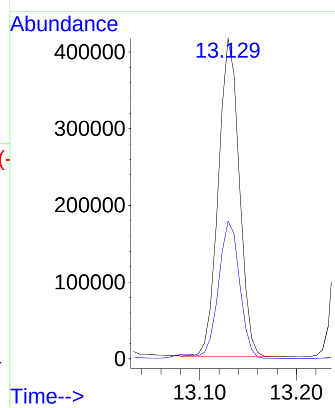


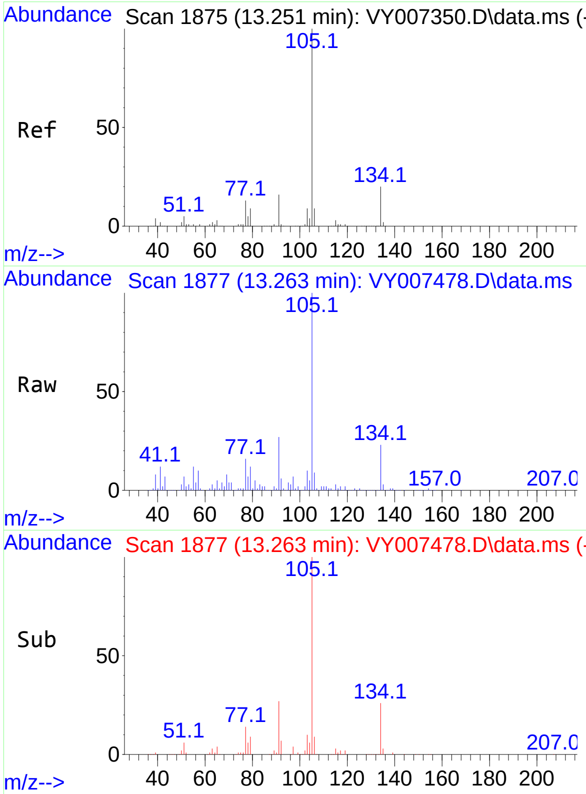


#84
1,2,4-Trimethylbenzene
Concen: 185.967 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.012 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion:105 Resp: 623748

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.3	66.9





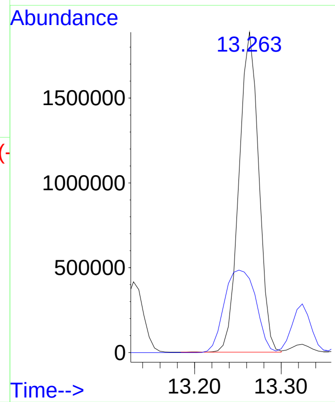
#85
sec-Butylbenzene
Concen: 672.783 ug/l
RT: 13.263 min Scan# 1

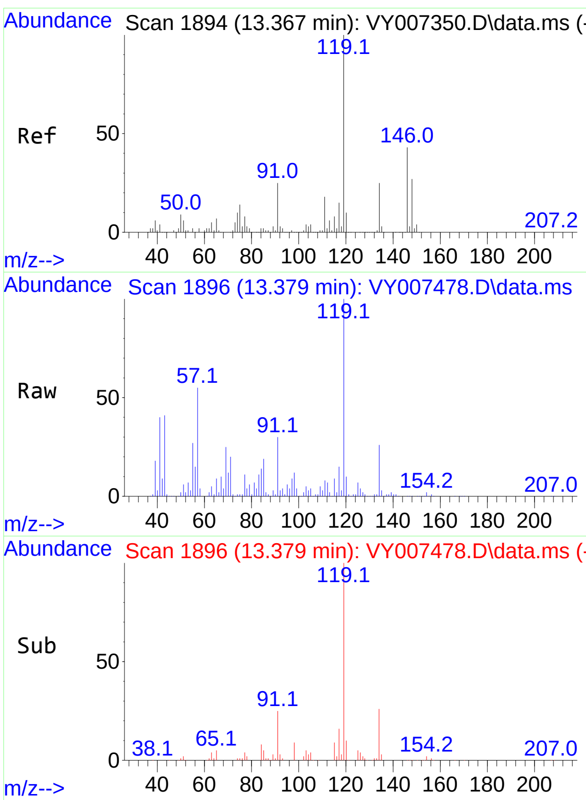
Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Delta R.T. 0.012 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion:105 Resp: 2992621

Ion	Ratio	Lower	Upper
105	100		
134	41.3	10.2	30.4#

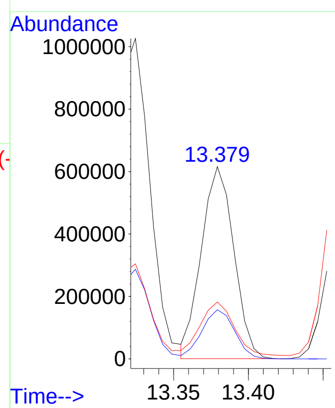


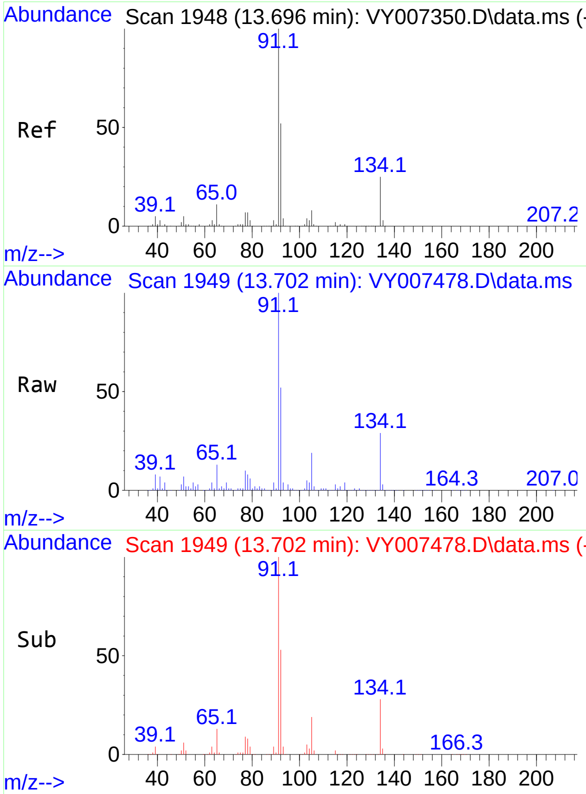


#86
p-Isopropyltoluene
Concen: 256.871 ug/l
RT: 13.379 min Scan# 1896
Delta R.T. 0.012 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion:119 Resp: 930777

Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.2	39.5
91	29.1	12.4	37.2





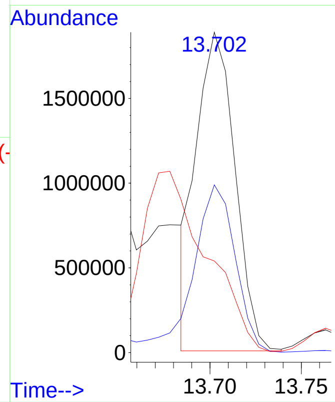
#89
n-Butylbenzene
Concen: 794.599 ug/l
RT: 13.702 min Scan# 1

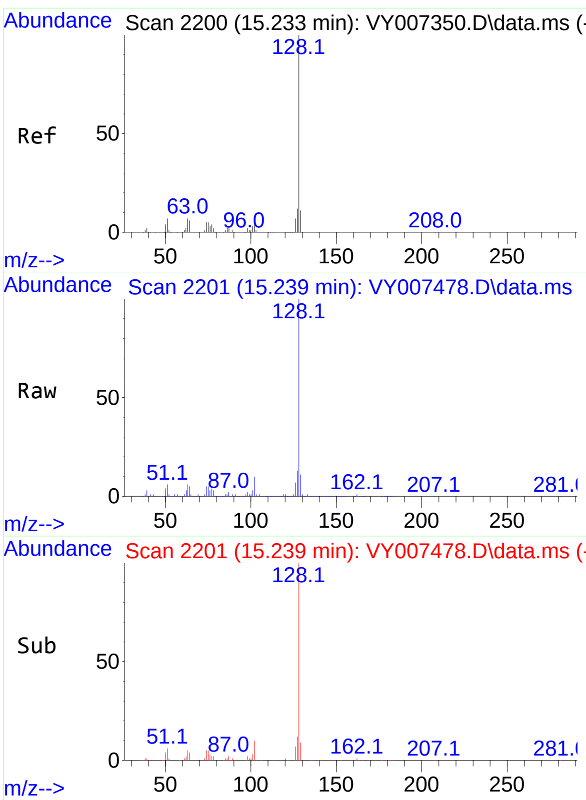
Instrument :
MSVOA_Y
ClientSampleId :
A5-6-8.5

Delta R.T. 0.006 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion: 91 Resp: 2771226

Ion	Ratio	Lower	Upper
91	100		
92	57.1	26.3	78.9
134	0.0	13.0	38.9#





#95
Naphthalene
Concen: 1075.498 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY007478.D
Acq: 11 Feb 2022 14:40

Tgt Ion:128 Resp: 1986888

Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.4
129	11.0	8.4	12.6