Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102521\
Data File : VY006458.D
Acq On : 25 Oct 2021 11:55
Operator : SY/MD
Sample : M4311-01
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId :

Quant Time: Oct 26 02:42:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 23 06:59:04 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	3406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	6177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	5260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	2815	67.163	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.320%			
35) Dibromofluoromethane	7.722	113	626	18.182	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 36.360%#			
50) Toluene-d8	10.185	98	7472	51.196	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.400%			
62) 4-Bromofluorobenzene	12.489	95	1713	34.842	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 69.680%			
Target Compounds						Qvalue
3) Chloromethane	2.125	50	232	5.459	ug/l	96
4) Vinyl Chloride	2.259	62	153	3.224	ug/l #	44
5) Bromomethane	2.668	94	244	7.717	ug/l #	70
10) Methyl Iodide	4.107	142	558	20.009	ug/l #	79
16) Acetone	3.942	43	64	5.303	ug/l #	46
36) 1,1-Dichloropropene	7.795	75	260	4.260	ug/l #	42
38) Carbon Tetrachloride	7.795	117	208	3.089	ug/l #	12
64) Tetrachloroethene	10.721	164	49	1.065	ug/l #	37
68) m/p-Xylenes	11.715	106	130	1.773	ug/l	85
70) Styrene	12.044	104	132	1.103	ug/l #	24
76) 1,2,3-Trichloropropane	12.483	75	1194	68.480	ug/l #	100
78) n-propylbenzene	12.678	91	311	2.126	ug/l #	73
79) 2-Chlorotoluene	12.751	91	121	1.494	ug/l	92
80) 1,3,5-Trimethylbenzene	12.818	105	241	2.432	ug/l	74
81) trans-1,4-Dichloro-2-b...	12.483	75	1194	140.588	ug/l #	7
82) 4-Chlorotoluene	12.751	91	121	1.434	ug/l	91
83) tert-Butylbenzene	13.068	119	104	1.221	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.123	105	281	2.836	ug/l #	45
85) sec-Butylbenzene	13.257	105	288	2.252	ug/l #	56
86) p-Isopropyltoluene	13.367	119	267	2.447	ug/l #	50
87) 1,3-Dichlorobenzene	13.361	146	213	3.806	ug/l #	64
88) 1,4-Dichlorobenzene	13.452	146	237	4.307	ug/l #	32
89) n-Butylbenzene	13.696	91	256	2.495	ug/l #	66
91) 1,2-Dichlorobenzene	13.745	146	149	3.035	ug/l #	70
93) 1,2,4-Trichlorobenzene	15.007	180	87	2.685	ug/l #	11
94) Hexachlorobutadiene	15.117	225	57	2.744	ug/l #	47
95) Naphthalene	15.239	128	364	5.739	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.422	180	150	5.286	ug/l #	64

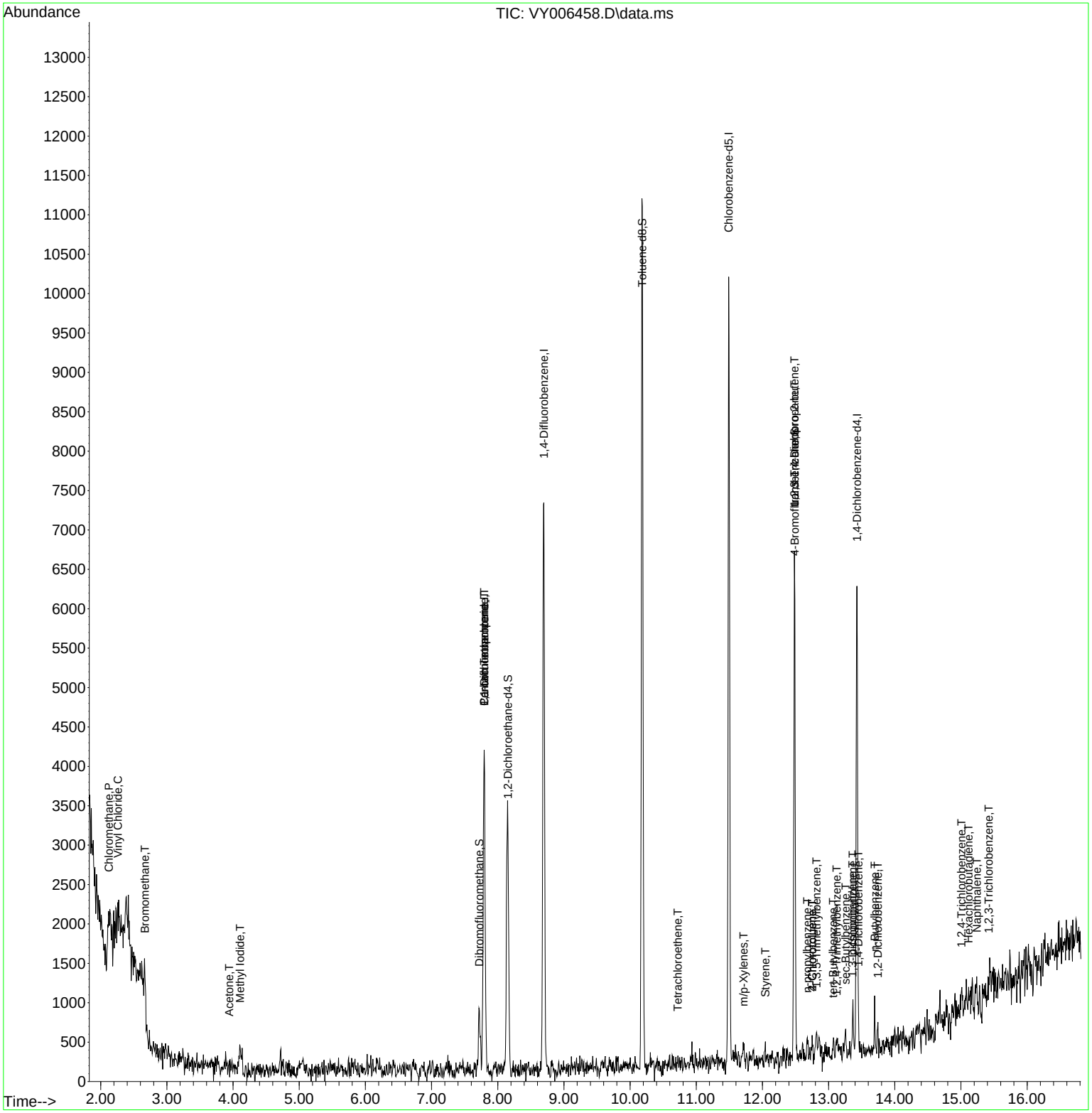
(#) = qualifier out of range (m) = manual integration (+) = signals summed

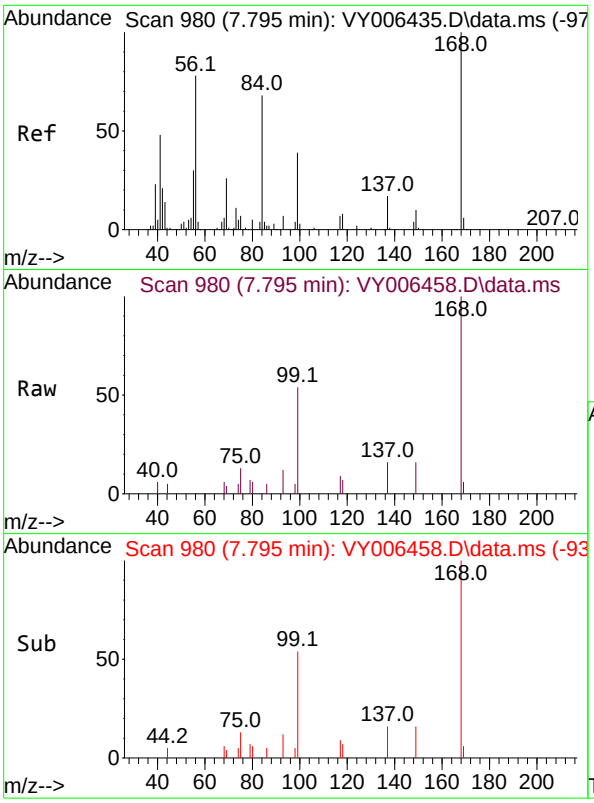
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102521\
Data File : VY006458.D
Acq On : 25 Oct 2021 11:55
Operator : SY/MD
Sample : M4311-01
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 26 02:42:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 23 06:59:04 2021
Response via : Initial Calibration

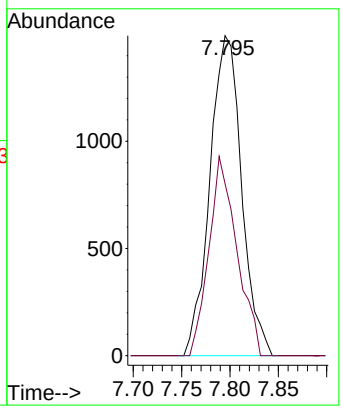




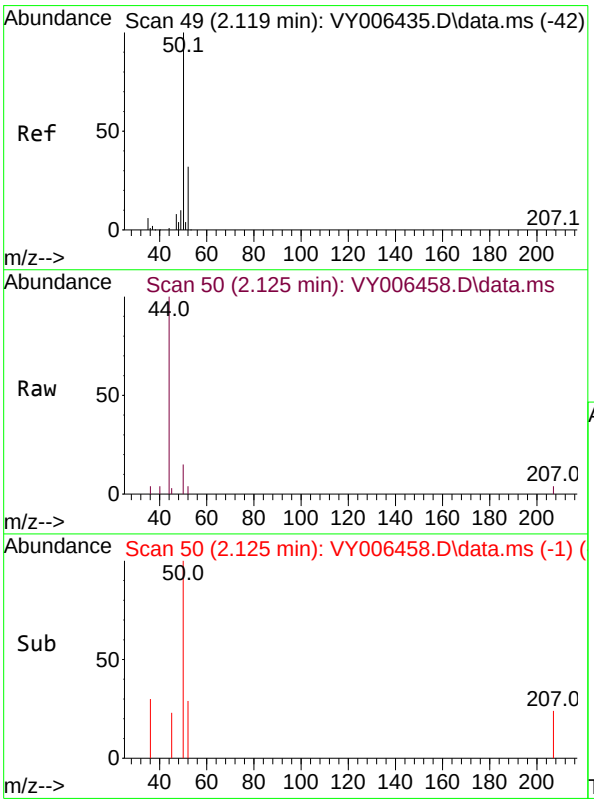
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:168 Resp: 3406

Ion	Ratio	Lower	Upper
168	100		
99	53.7	44.8	67.2



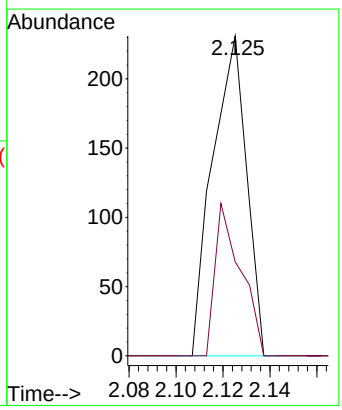
Instrument :
MSVOA_Y
ClientSampleId :

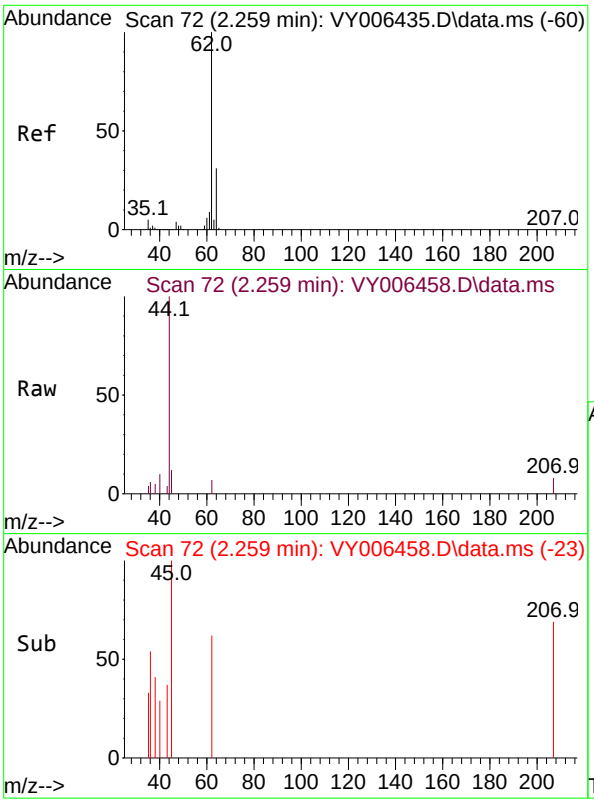


#3
Chloromethane
Concen: 5.459 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 50 Resp: 232

Ion	Ratio	Lower	Upper
50	100		
52	29.4	25.4	38.2

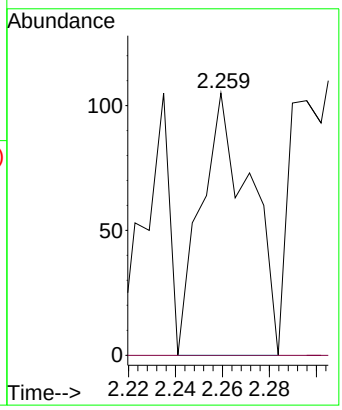




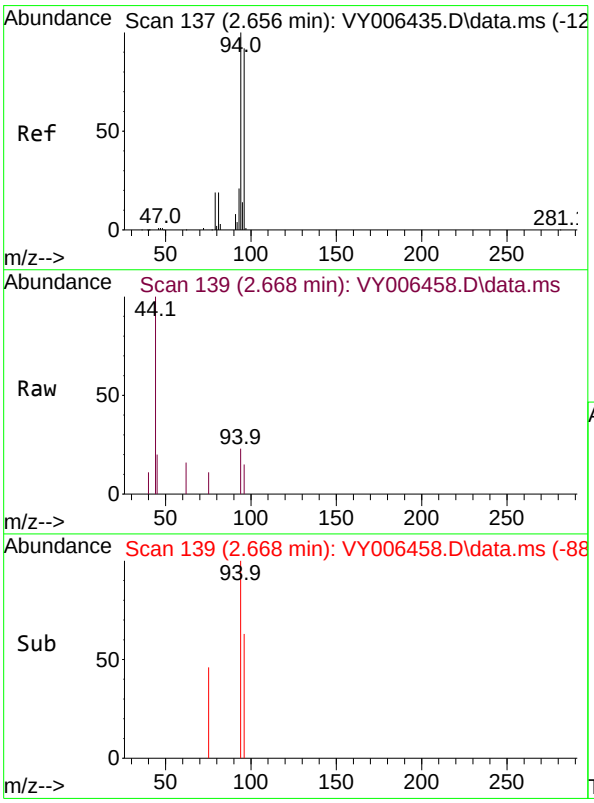
#4
Vinyl Chloride
Concen: 3.224 ug/l
RT: 2.259 min Scan# 72
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 62 Resp: 153

Ion	Ratio	Lower	Upper
62	100		
64	0.0	24.7	37.1#



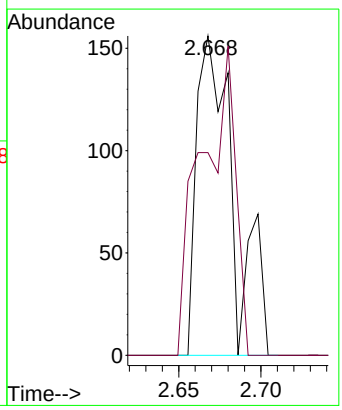
Instrument :
MSVOA_Y
ClientSampleId :

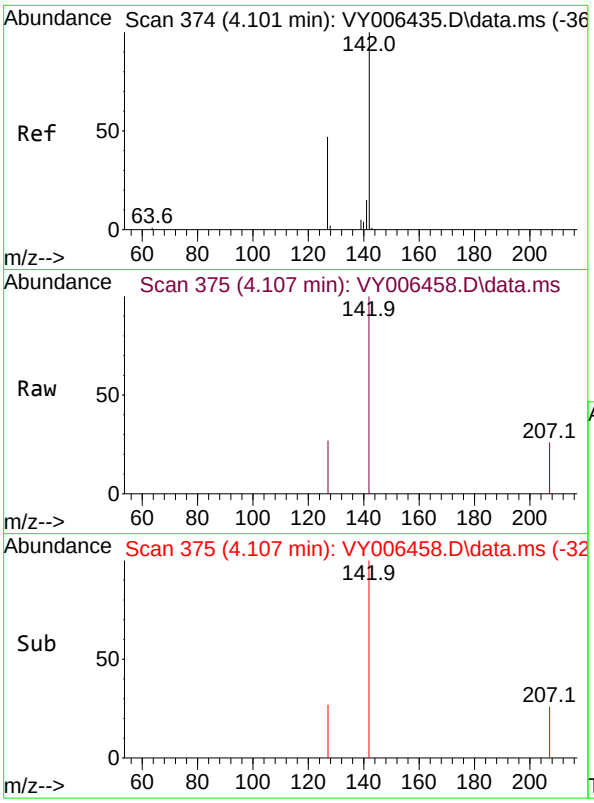


#5
Bromomethane
Concen: 7.717 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 94 Resp: 244

Ion	Ratio	Lower	Upper
94	100		
96	63.5	73.5	110.3#

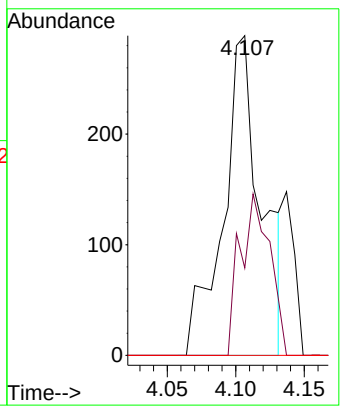




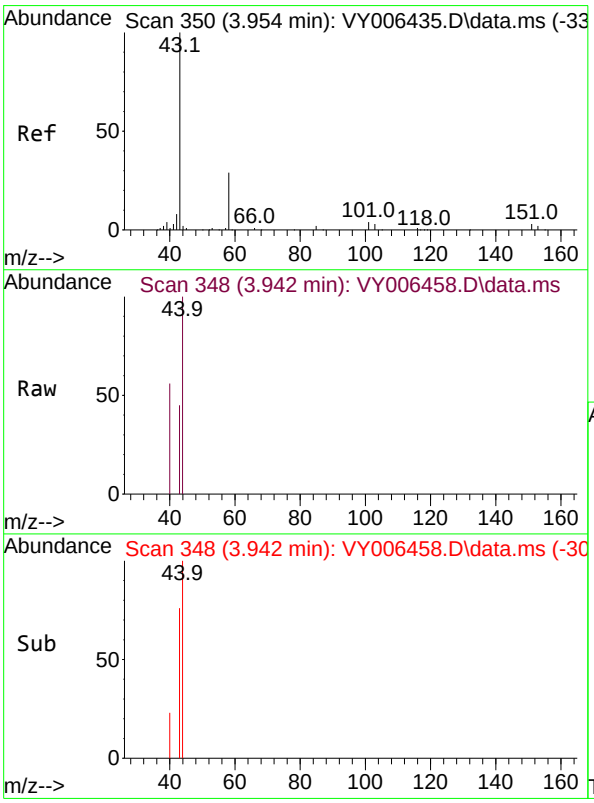
#10
Methyl Iodide
Concen: 20.009 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:142 Resp: 558

Ion	Ratio	Lower	Upper
142	100		
127	39.4	40.1	60.1#
141	0.0	12.5	18.7#



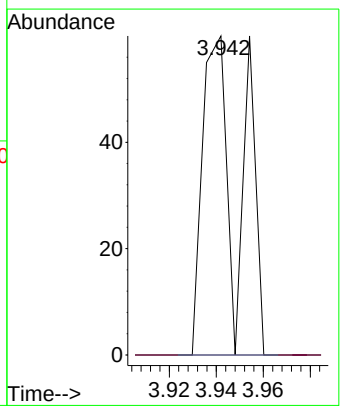
Instrument :
MSVOA_Y
ClientSampleId :

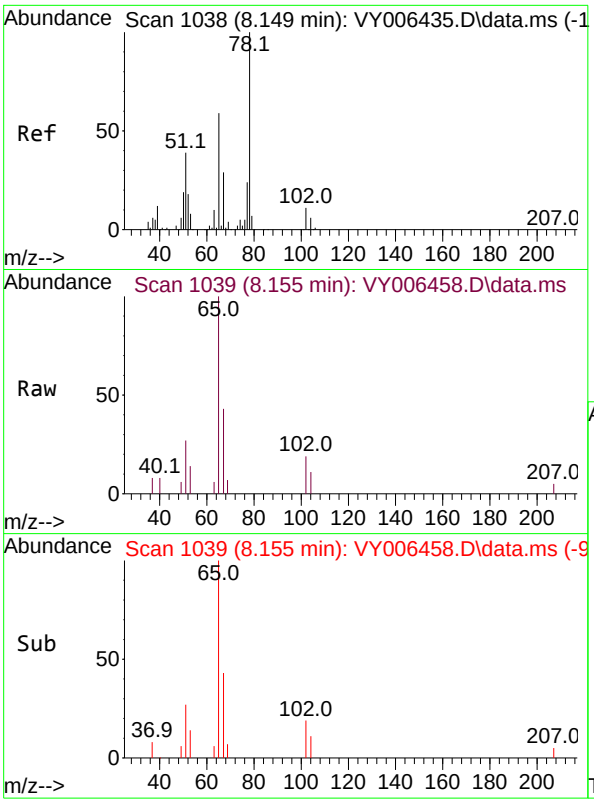


#16
Acetone
Concen: 5.303 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 43 Resp: 64

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.9	34.3#

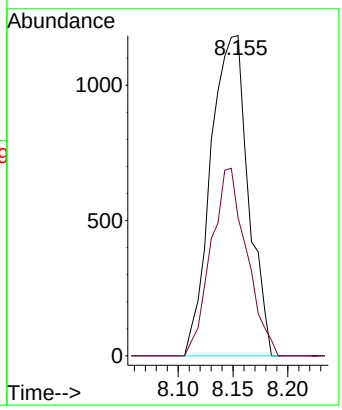




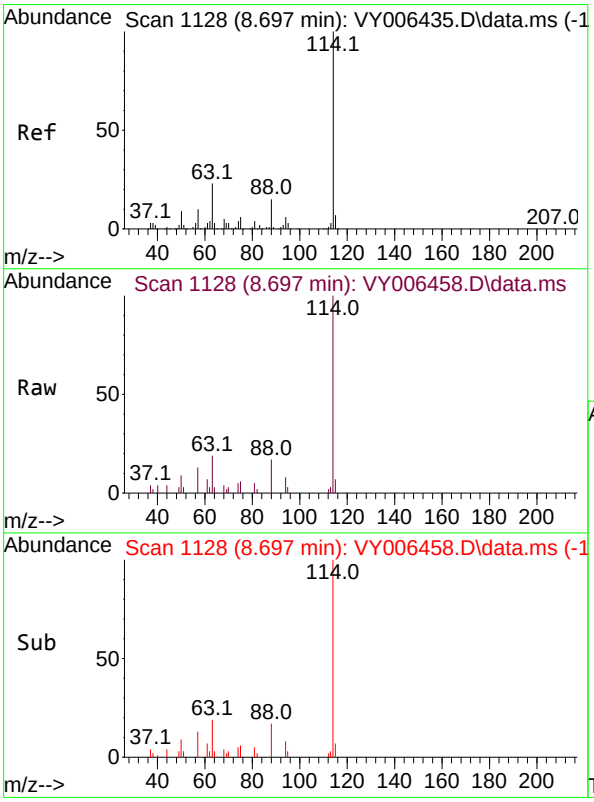
#33
1,2-Dichloroethane-d4
Concen: 67.163 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 65 Resp: 2815

Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	98.2



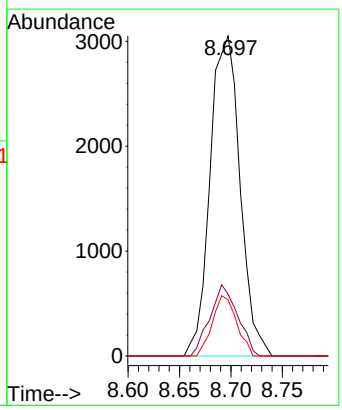
Instrument :
MSVOA_Y
ClientSampleId :

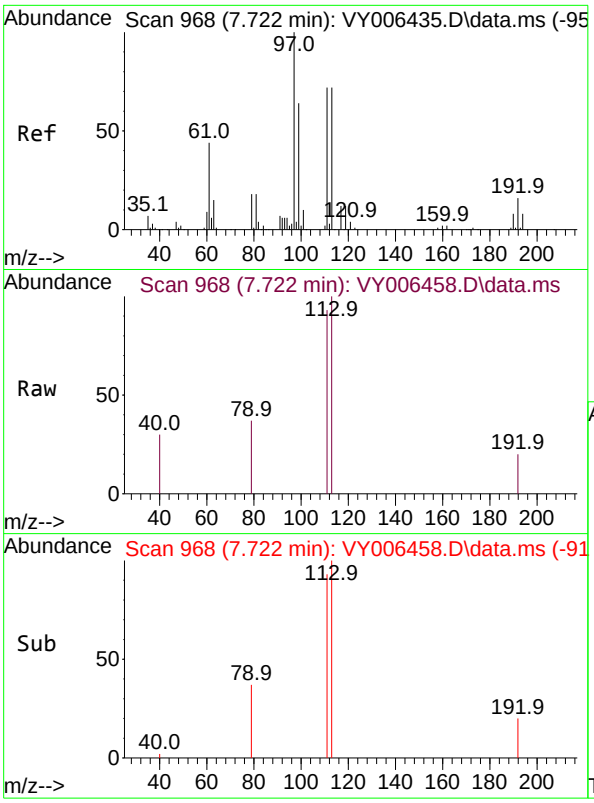


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:114 Resp: 6177

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	45.0
88	17.5	0.0	30.6

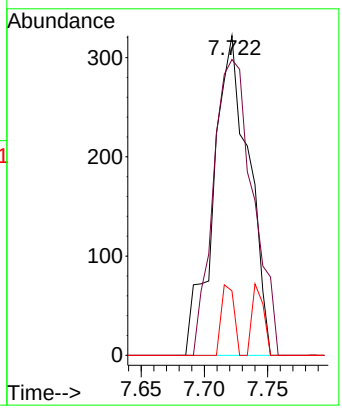




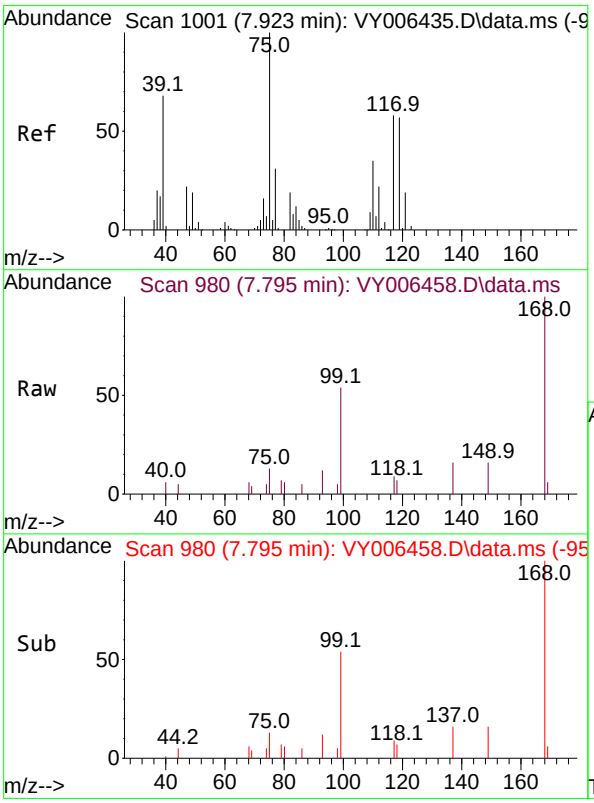
#35
Dibromofluoromethane
Concen: 18.182 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:113 Resp: 626

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.3	123.5
192	8.0	17.4	26.2#



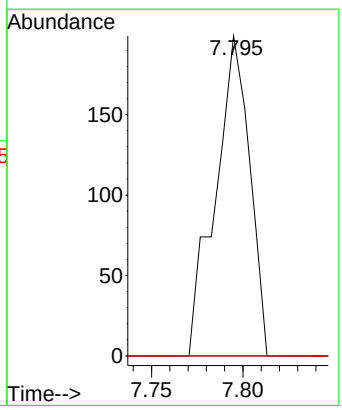
Instrument :
MSVOA_Y
ClientSampleId :

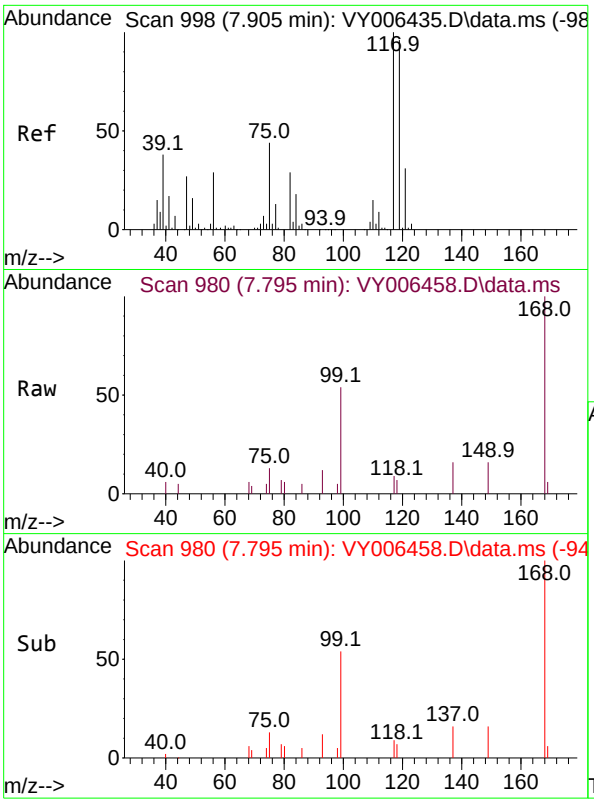


#36
1,1-Dichloropropene
Concen: 4.260 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 75 Resp: 260

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.3#
77	0.0	24.9	37.3#

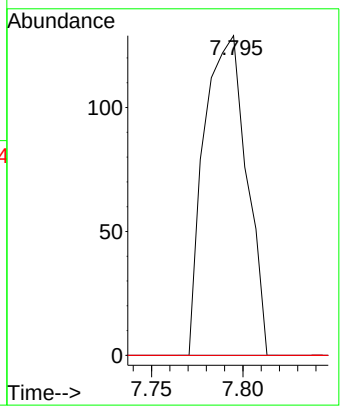




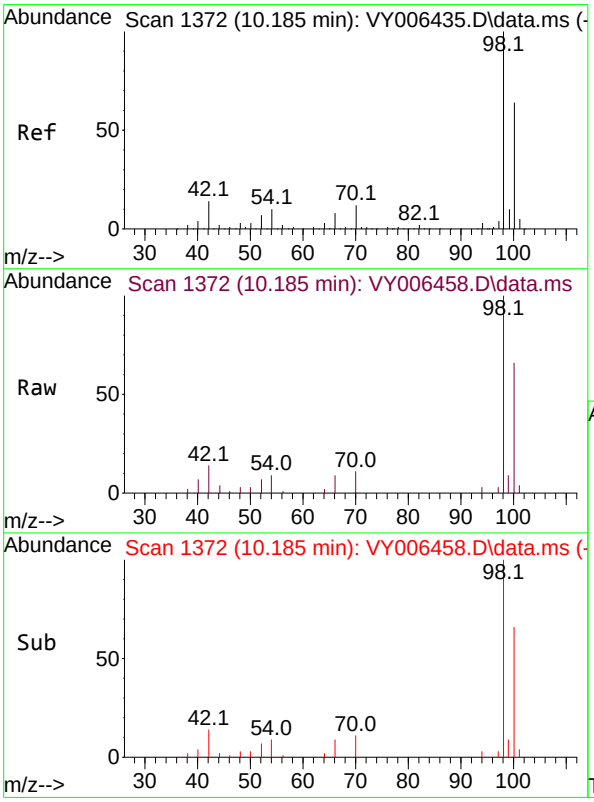
#38
Carbon Tetrachloride
Concen: 3.089 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:117 Resp: 208

Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.6	115.0#
121	0.0	24.7	37.1#



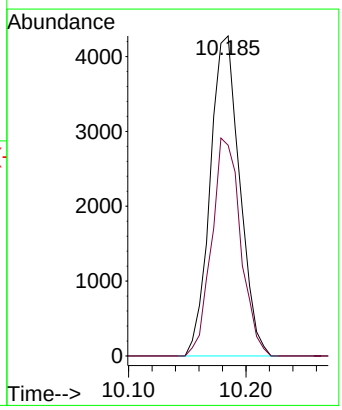
Instrument :
MSVOA_Y
ClientSampleId :



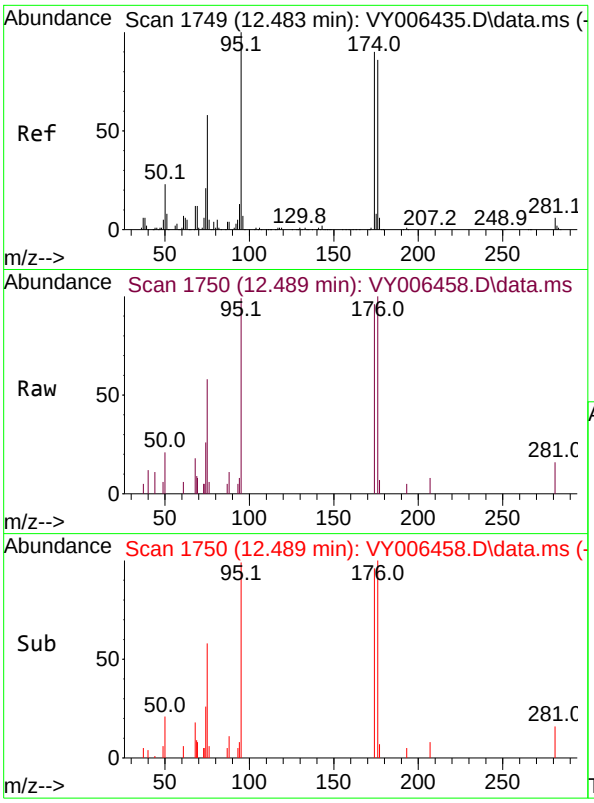
#50
Toluene-d8
Concen: 51.196 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 98 Resp: 7472

Ion	Ratio	Lower	Upper
98	100		
100	66.8	50.9	76.3



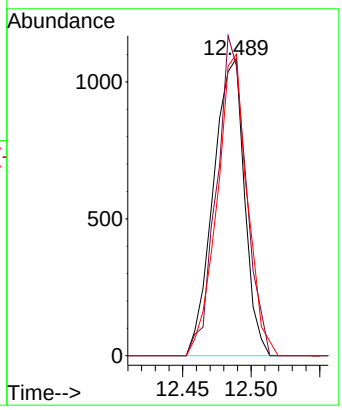
Instrument :
MSVOA_Y
ClientSampleId :

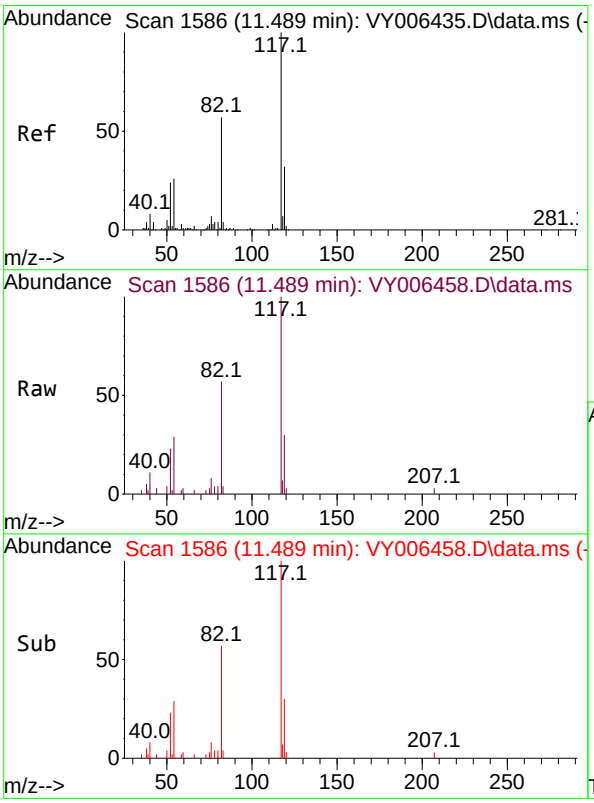


#62
4-Bromofluorobenzene
Concen: 34.842 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 95 Resp: 1713

Ion	Ratio	Lower	Upper
95	100		
174	101.3	0.0	177.0
176	98.5	0.0	169.4

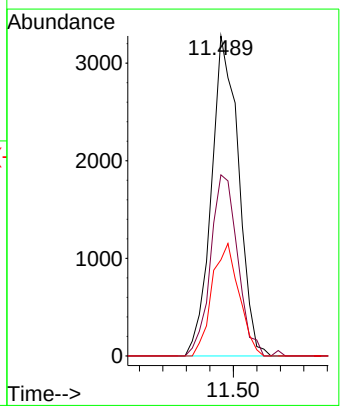




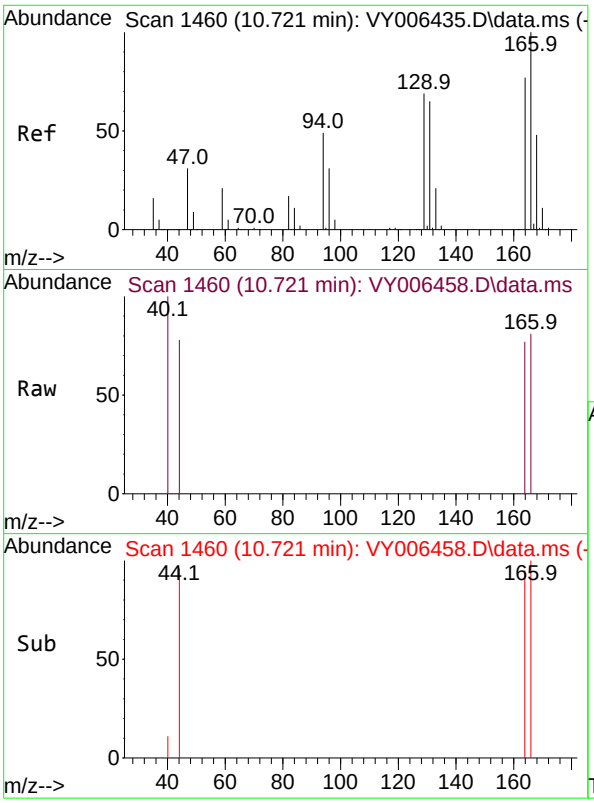
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:117 Resp: 5260

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.7	68.5
119	30.1	25.5	38.3



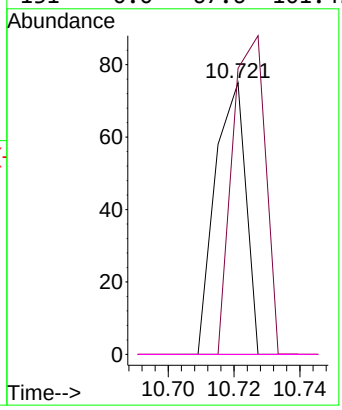
Instrument :
MSVOA_Y
ClientSampleId :

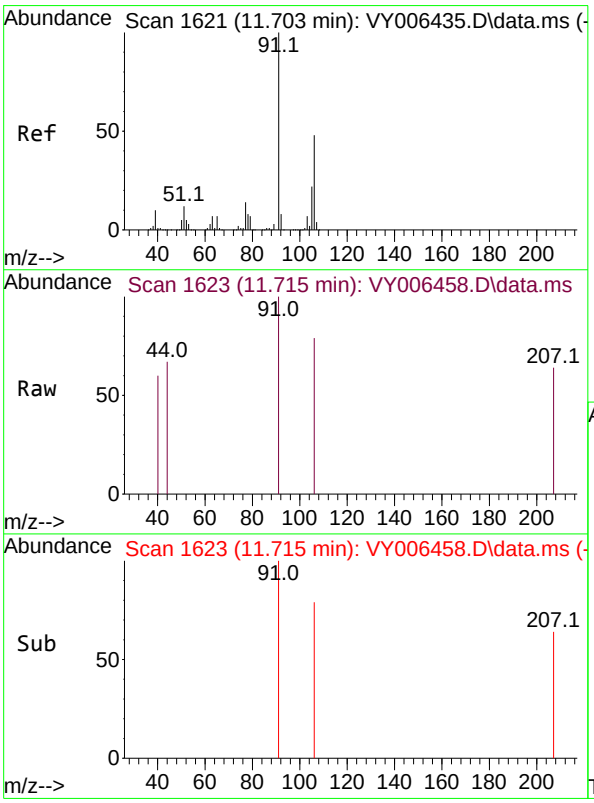


#64
Tetrachloroethene
Concen: 1.065 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:164 Resp: 49

Ion	Ratio	Lower	Upper
164	100		
166	105.3	103.3	154.9
129	0.0	71.2	106.8#
131	0.0	67.6	101.4#

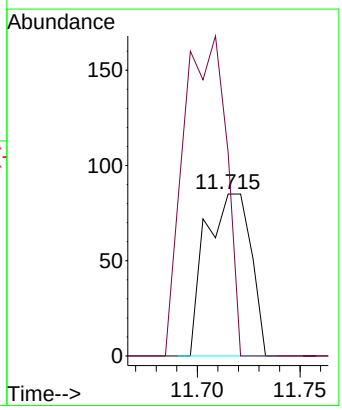




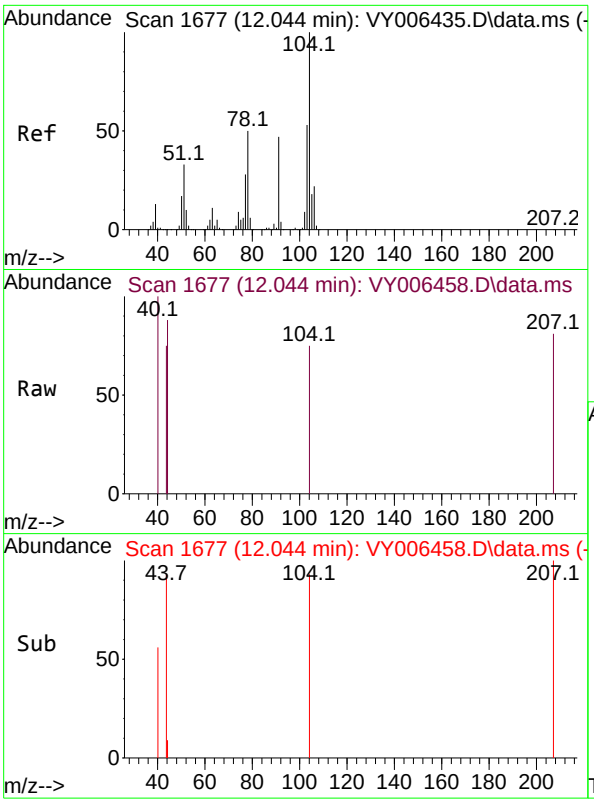
#68
m/p-Xylenes
Concen: 1.773 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.012 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:106 Resp: 130

Ion	Ratio	Lower	Upper
106	100		
91	186.2	167.5	251.3



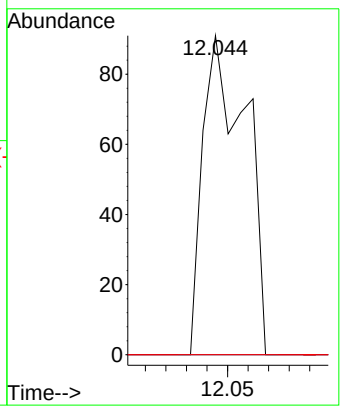
Instrument :
MSVOA_Y
ClientSampleId :

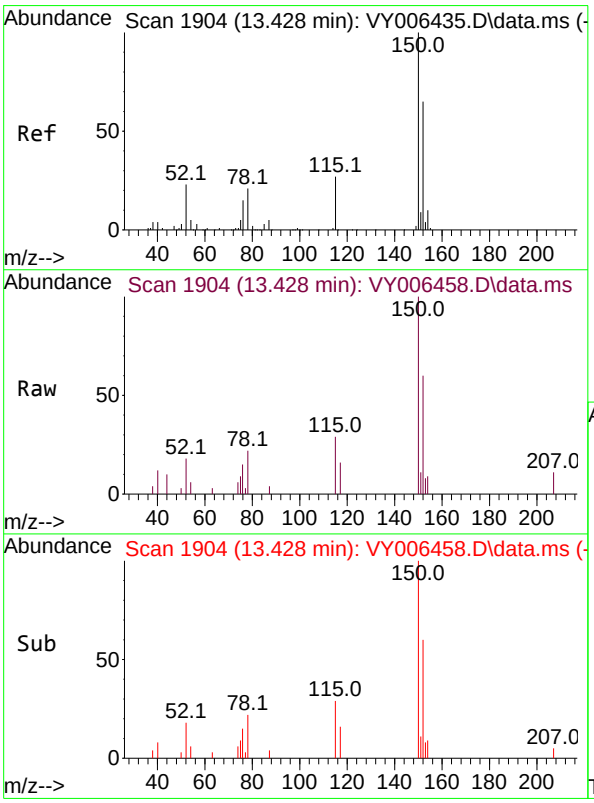


#70
Styrene
Concen: 1.103 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:104 Resp: 132

Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.6	63.8#
103	0.0	44.6	67.0#

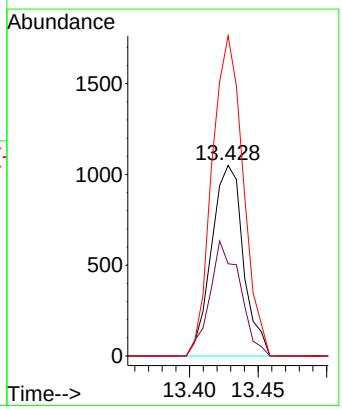




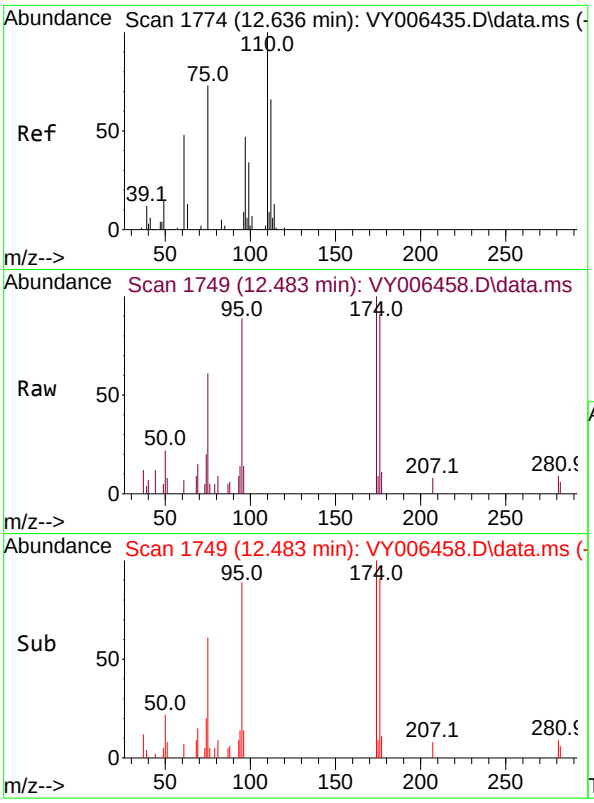
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:152 Resp: 1692

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.5	85.5
150	164.6	0.0	348.2



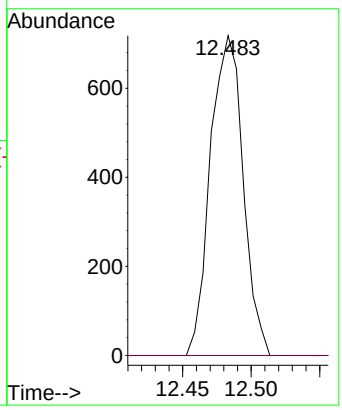
Instrument :
MSVOA_Y
ClientSampleId :

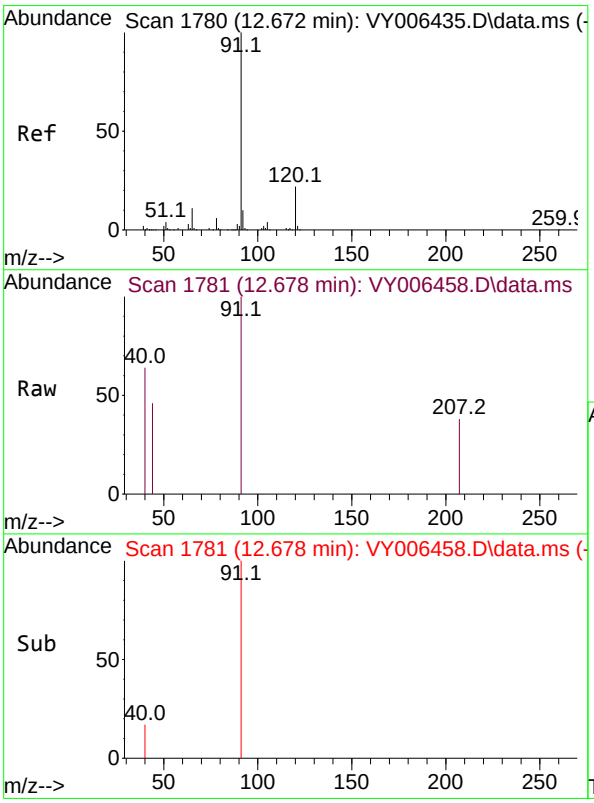


#76
1,2,3-Trichloropropane
Concen: 68.480 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 75 Resp: 1194

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

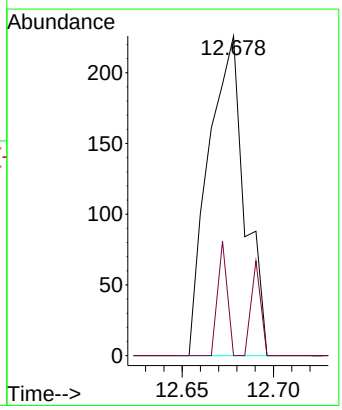




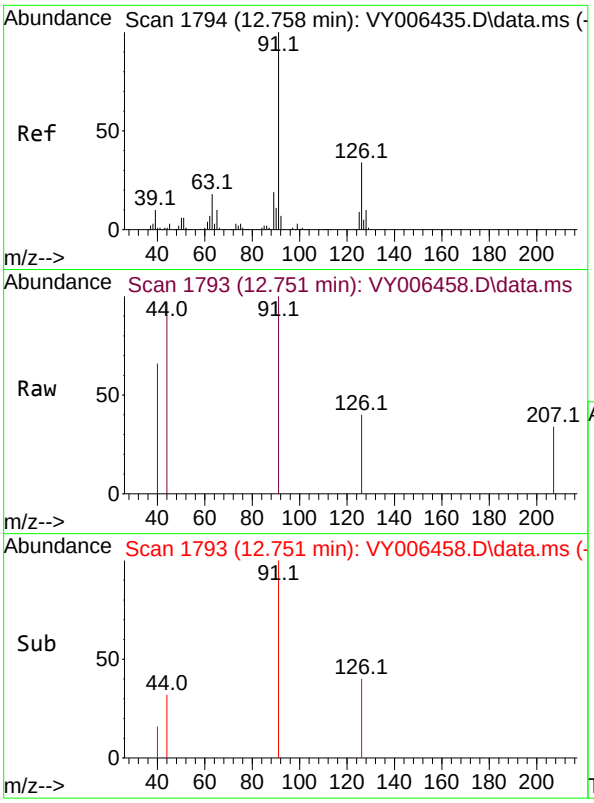
#78
n-propylbenzene
Concen: 2.126 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 91 Resp: 311

Ion	Ratio	Lower	Upper
91	100		
120	9.6	11.3	33.8#



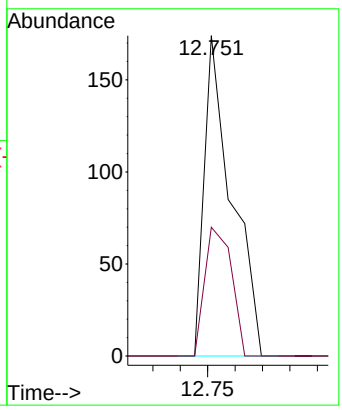
Instrument :
MSVOA_Y
ClientSampleId :

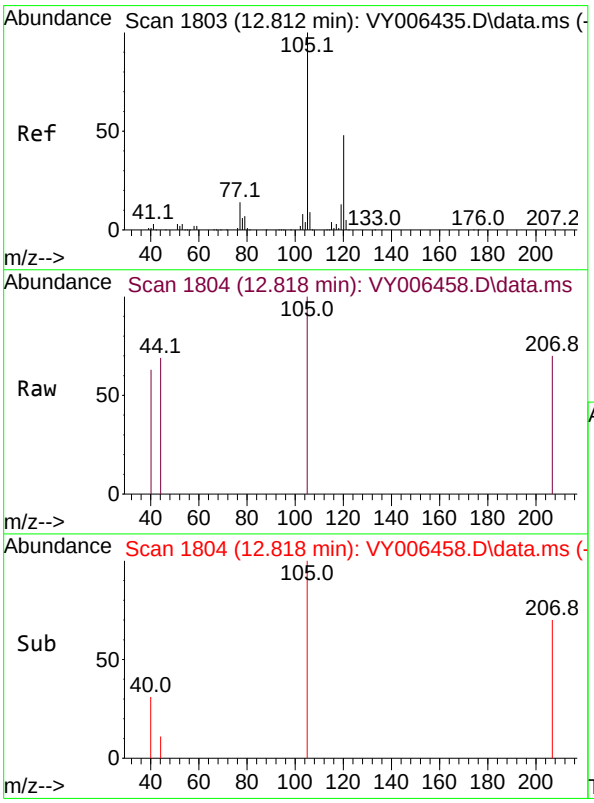


#79
2-Chlorotoluene
Concen: 1.494 ug/l
RT: 12.751 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 91 Resp: 121

Ion	Ratio	Lower	Upper
91	100		
126	38.8	17.1	51.2

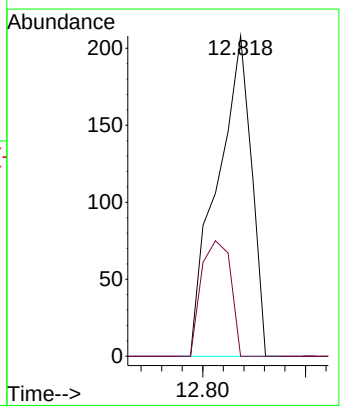




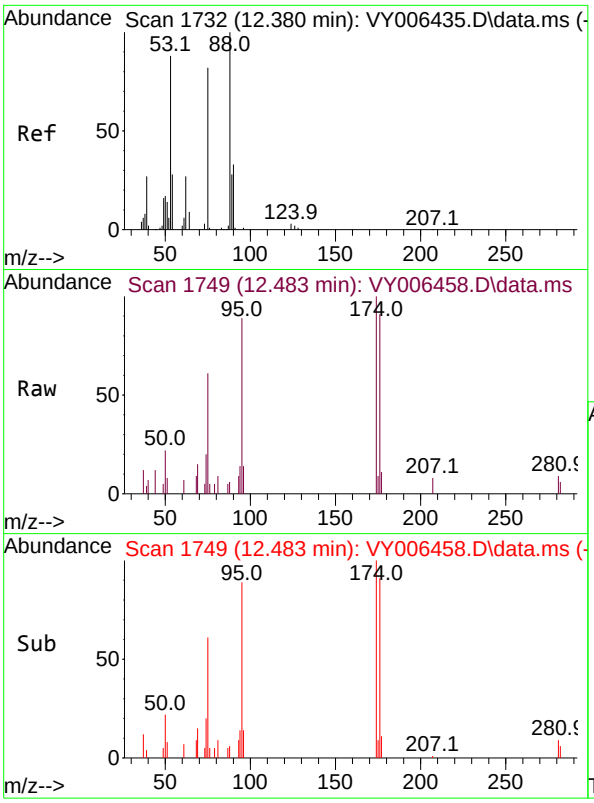
#80
1,3,5-Trimethylbenzene
Concen: 2.432 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:105 Resp: 241

Ion	Ratio	Lower	Upper
105	100		
120	30.7	24.1	72.4



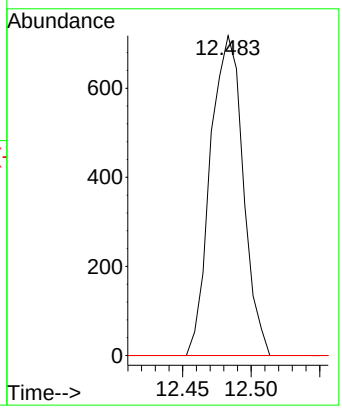
Instrument :
MSVOA_Y
ClientSampleId :

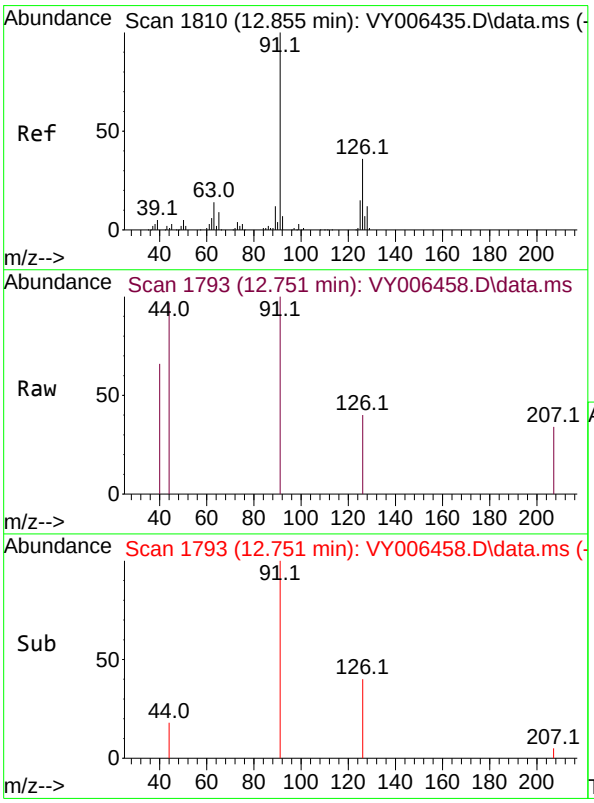


#81
trans-1,4-Dichloro-2-butene
Concen: 140.588 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 75 Resp: 1194

Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.8	128.6#
89	0.0	39.3	58.9#

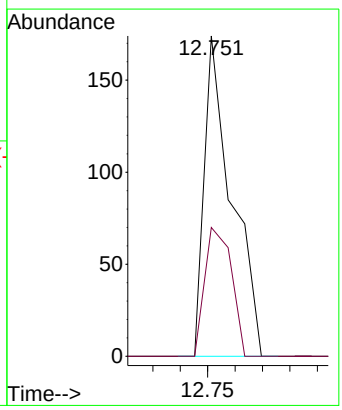


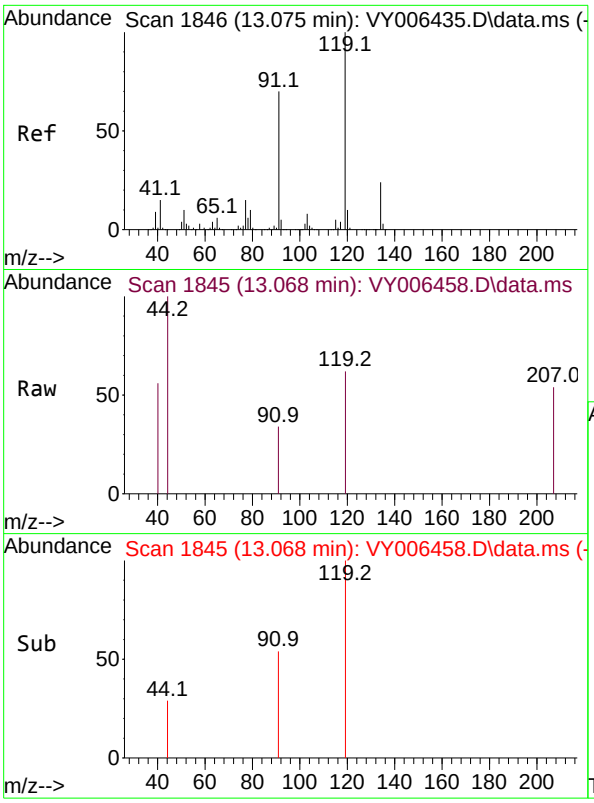


#82
4-Chlorotoluene
Concen: 1.434 ug/l
RT: 12.751 min Scan# 1793
Delta R.T. -0.104 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 91 Resp: 121

Ion	Ratio	Lower	Upper
91	100		
126	38.8	16.8	50.4

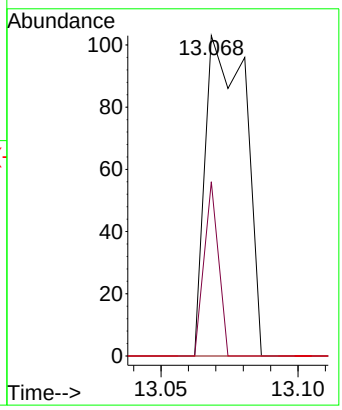




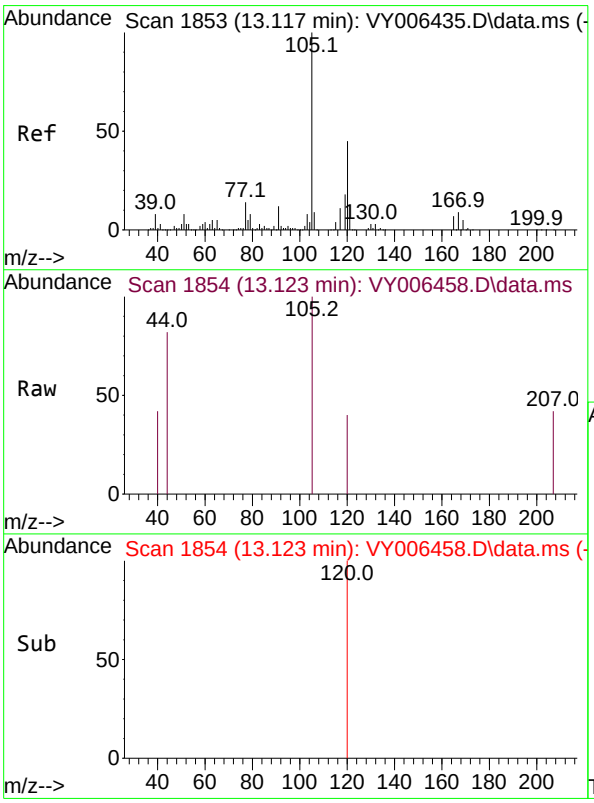
#83
tert-Butylbenzene
Concen: 1.221 ug/l
RT: 13.068 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:119 Resp: 104

Ion	Ratio	Lower	Upper
119	100		
91	19.2	34.8	104.5#
134	0.0	13.0	38.9#



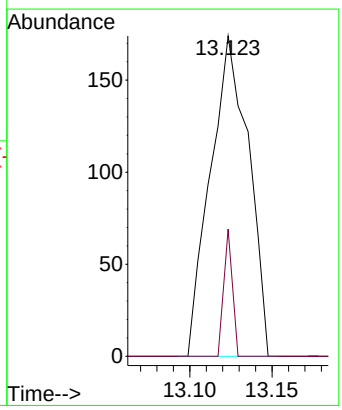
Instrument :
MSVOA_Y
ClientSampleId :



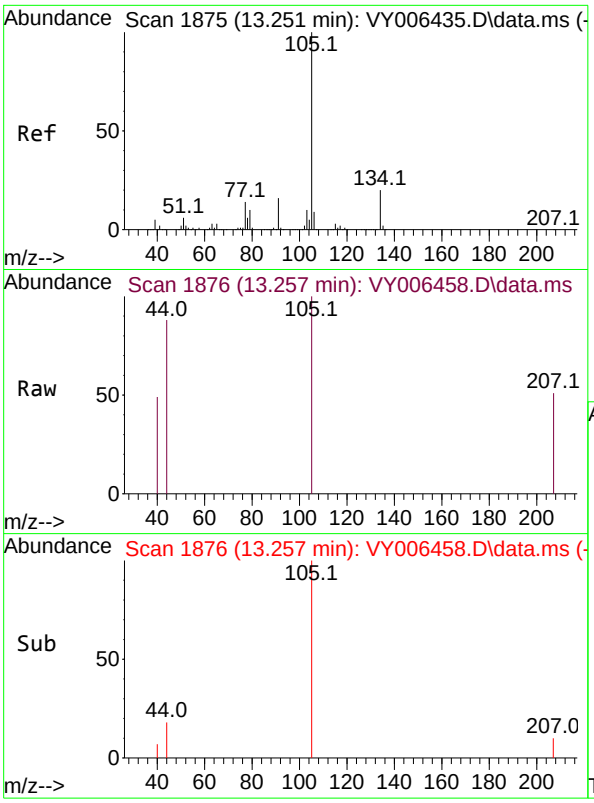
#84
1,2,4-Trimethylbenzene
Concen: 2.836 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:105 Resp: 281

Ion	Ratio	Lower	Upper
105	100		
120	8.9	22.6	67.8#



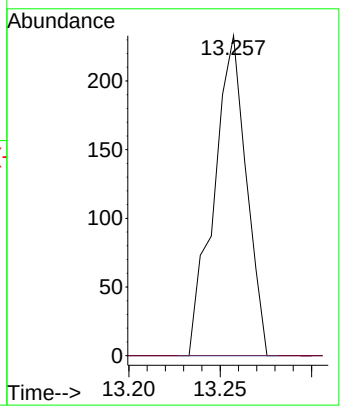
Instrument :
MSVOA_Y
ClientSampleId :

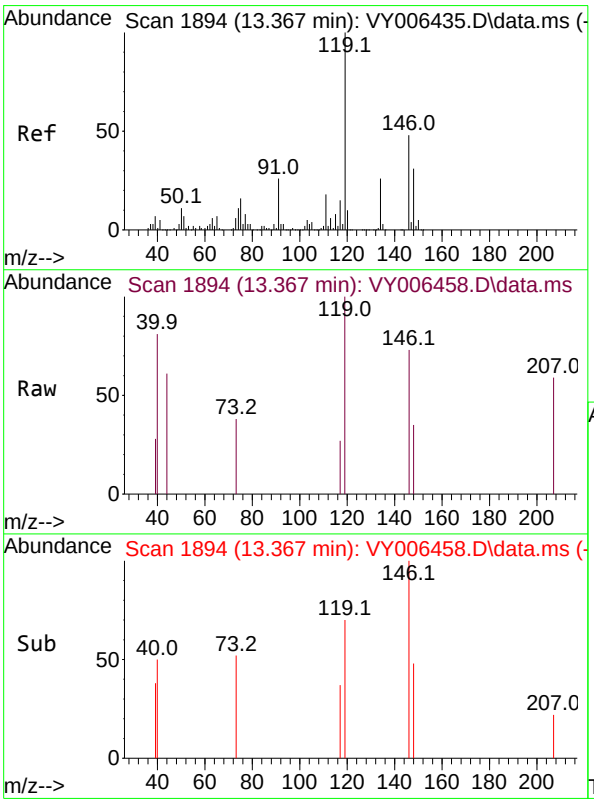


#85
sec-Butylbenzene
Concen: 2.252 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:105 Resp: 288

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.1	30.3#

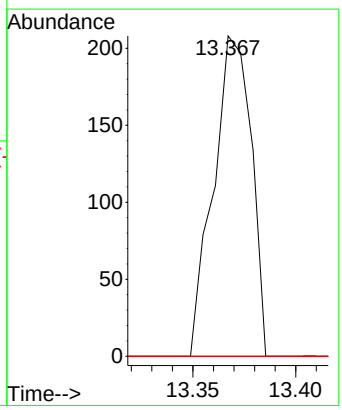


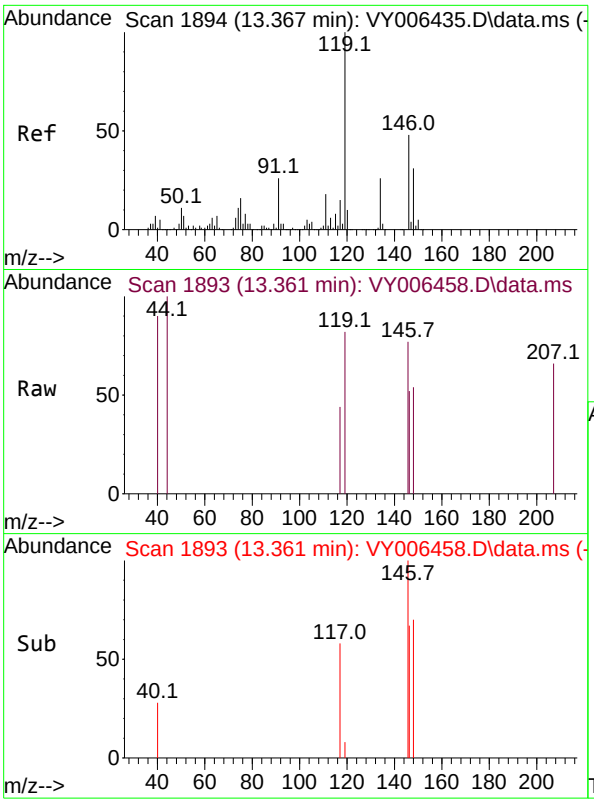


#86
p-Isopropyltoluene
Concen: 2.447 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:119 Resp: 267

Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.1	39.1#
91	0.0	12.4	37.4#

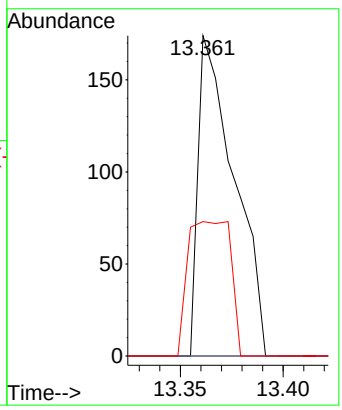




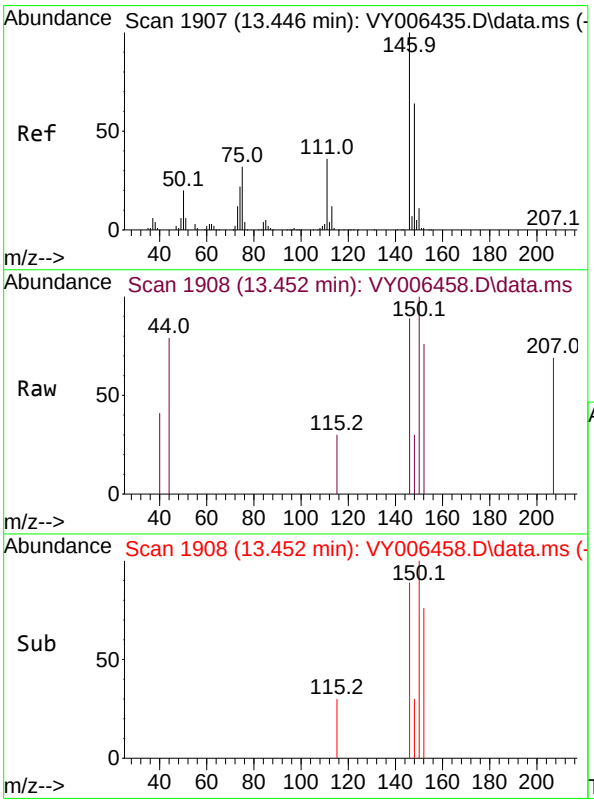
#87
1,3-Dichlorobenzene
Concen: 3.806 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:146 Resp: 213

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.3	57.9#
148	49.3	31.9	95.7



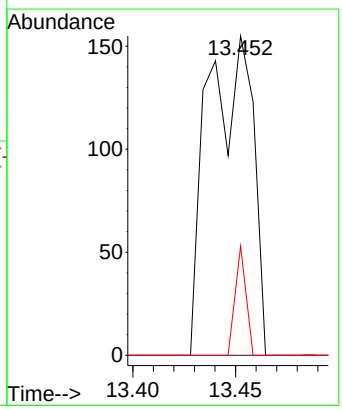
Instrument :
MSVOA_Y
ClientSampleId :



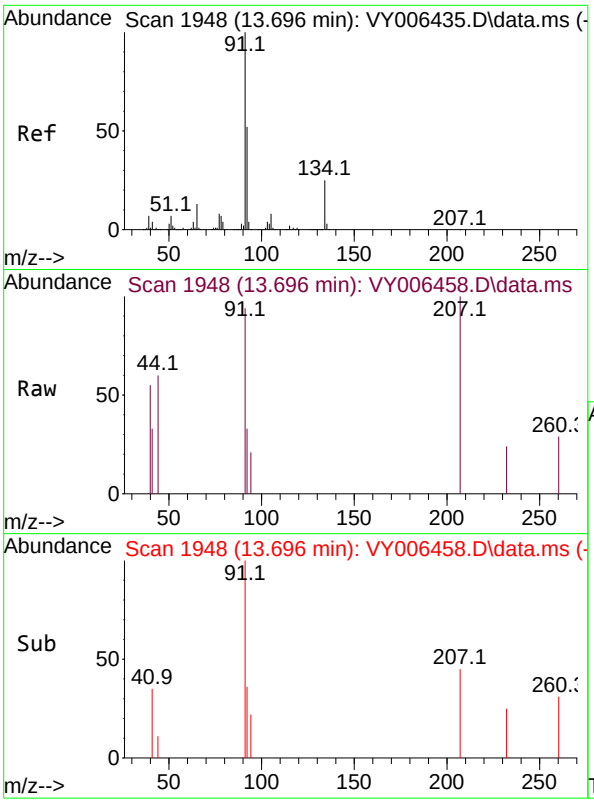
#88
1,4-Dichlorobenzene
Concen: 4.307 ug/l
RT: 13.452 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:146 Resp: 237

Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.5#
148	8.0	32.0	96.2#



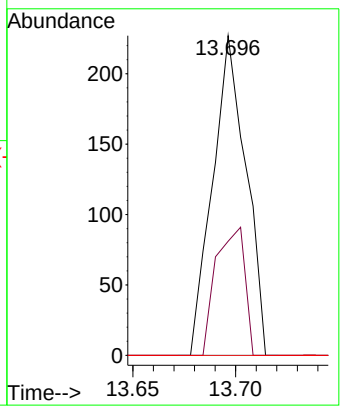
Instrument :
MSVOA_Y
ClientSampleId :

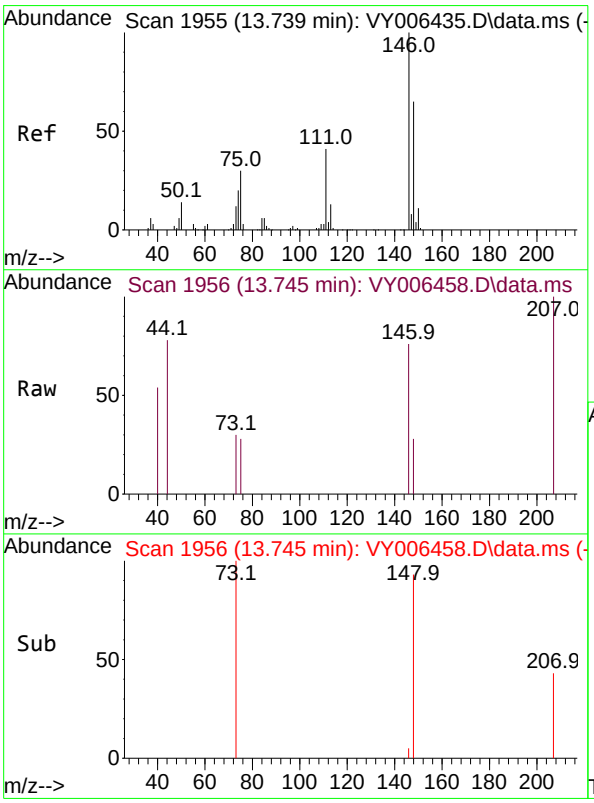


#89
n-Butylbenzene
Concen: 2.495 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion: 91 Resp: 256

Ion	Ratio	Lower	Upper
91	100		
92	34.4	26.3	78.9
134	0.0	12.9	38.7#

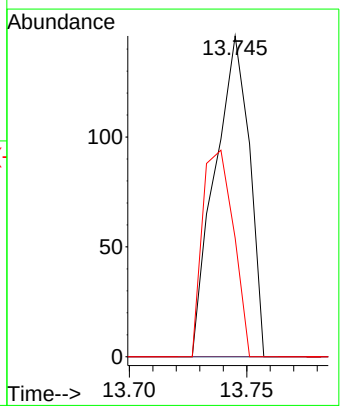




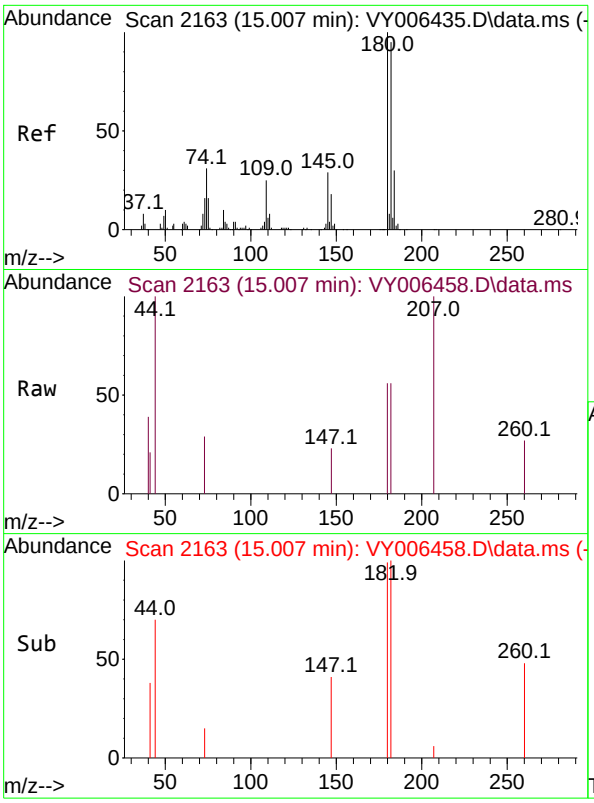
#91
1,2-Dichlorobenzene
Concen: 3.035 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:146 Resp: 149

Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.1	60.3#
148	57.7	31.9	95.7



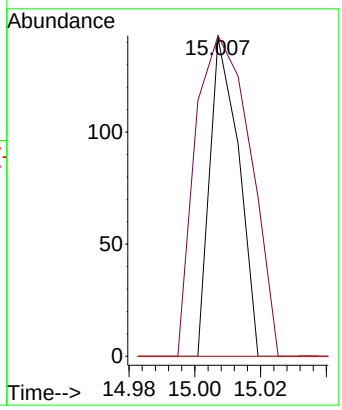
Instrument :
MSVOA_Y
ClientSampleId :

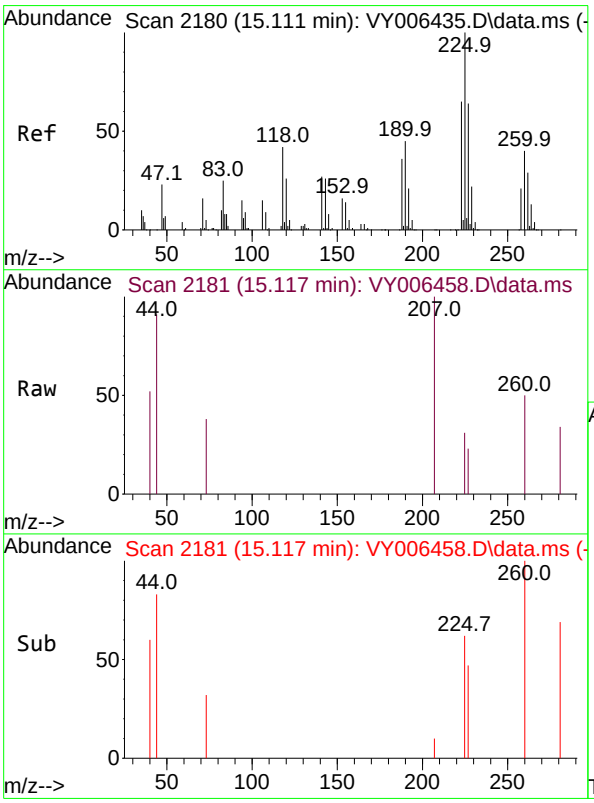


#93
1,2,4-Trichlorobenzene
Concen: 2.685 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:180 Resp: 87

Ion	Ratio	Lower	Upper
180	100		
182	190.8	47.1	141.4#
145	0.0	14.5	43.6#

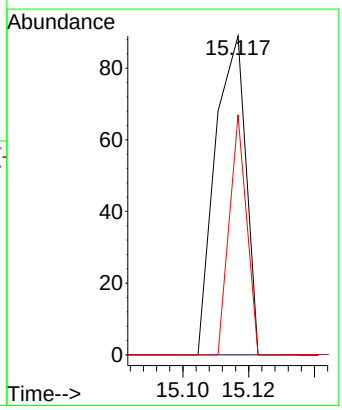




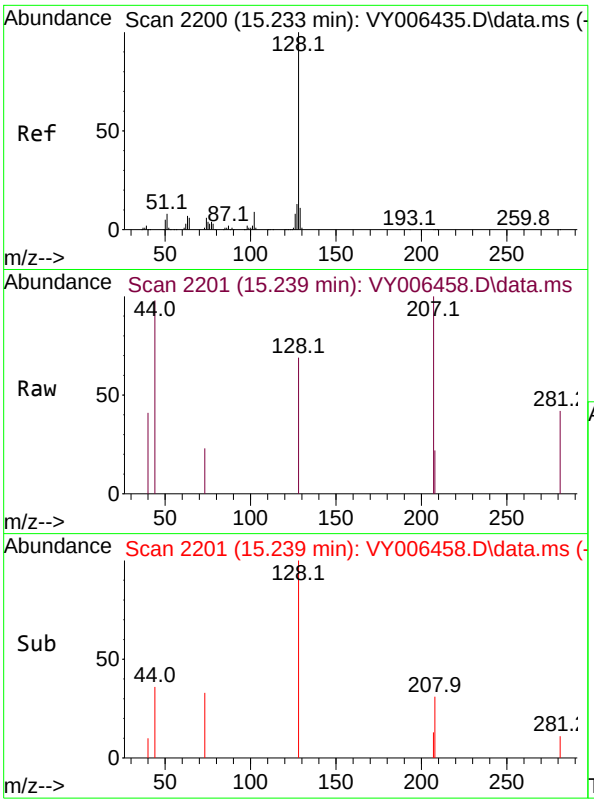
#94
Hexachlorobutadiene
Concen: 2.744 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:225 Resp: 57

Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.6	94.7#
227	43.9	31.9	95.9



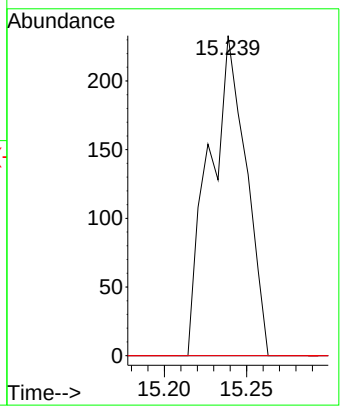
Instrument :
MSVOA_Y
ClientSampleId :

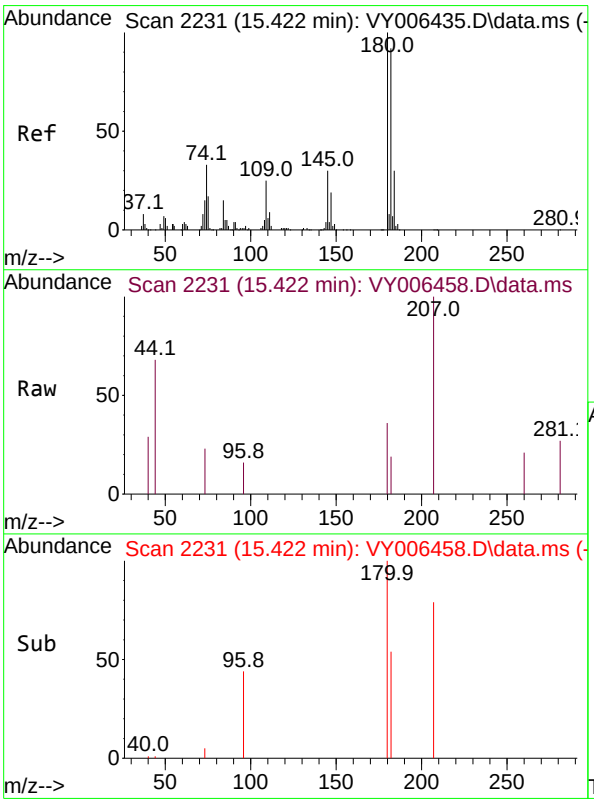


#95
Naphthalene
Concen: 5.739 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:128 Resp: 364

Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.9	13.3#





#96
1,2,3-Trichlorobenzene
Concen: 5.286 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY006458.D
Acq: 25 Oct 2021 11:55

Tgt Ion:180 Resp: 150

Ion	Ratio	Lower	Upper
180	100		
182	66.7	47.8	143.4
145	0.0	15.3	45.8#