Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000777.D
Acq On : 21 Nov 2019 18:39
Operator : SY/MD
Sample : K5959-09
Misc : 4.90G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : WS-112019-0-1-GRAB-B2

Quant Time: Nov 22 03:16:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.80	168	280416	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.70	114	522789	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.49	117	410741	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	132463	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.15	65	166691	57.44	ug/l		0.00
Spiked Amount 50.000			Recovery = 114.88%				
35) Dibromofluoromethane	7.72	113	147780	48.15	ug/l		0.00
Spiked Amount 50.000			Recovery = 96.30%				
50) Toluene-d8	10.18	98	608707	52.27	ug/l		0.00
Spiked Amount 50.000			Recovery = 104.54%				
62) 4-Bromofluorobenzene	12.48	95	163556	36.89	ug/l		0.00
Spiked Amount 50.000			Recovery = 73.78%				
Target Compounds							Qvalue
10) Methyl Iodide	4.10	142	68	3.216	ug/l	#	41
11) Tert butyl alcohol	4.96	59	287	1.016	ug/l	#	72
16) Acetone	3.95	43	1868	2.336	ug/l	#	79
20) Methylene Chloride	4.72	84	10688	3.119	ug/l		93
28) Bromochloromethane	7.35	49	39	4.107	ug/l	#	14
31) Cyclohexane	7.81	56	6733	1.199	ug/l	#	3
36) 1,1-Dichloropropene	7.79	75	22786	4.611	ug/l	#	49
38) Carbon Tetrachloride	7.80	117	29044	6.107	ug/l	#	16
40) Benzene	8.17	78	69243	4.779	ug/l		96
51) 4-Methyl-2-Pentanone	10.17	43	3165	1.080	ug/l	#	1
52) Toluene	10.24	92	133757	14.601	ug/l		99
67) Ethyl Benzene	11.59	91	211713	13.813	ug/l		96
68) m/p-Xylenes	11.69	106	346874	58.475	ug/l		94
69) o-Xylene	12.03	106	231546	41.532	ug/l		99
70) Styrene	12.04	104	56472	5.915	ug/l	#	40
73) Isopropylbenzene	12.33	105	99698	10.184	ug/l		99
76) 1,2,3-Trichloropropane	12.73	75	6128	4.063	ug/l	#	100
78) n-propylbenzene	12.67	91	44146	3.737	ug/l	#	53
79) 2-Chlorotoluene	12.73	91	86464	13.185	ug/l	#	43
80) 1,3,5-Trimethylbenzene	12.81	105	718561	88.128	ug/l		100
81) trans-1,4-Dichloro-2-buten	12.48	75	85476	127.065	ug/l	#	13
82) 4-Chlorotoluene	12.81	91	77496	11.400	ug/l	#	39
83) tert-Butylbenzene	13.12	119	152848	21.955	ug/l	#	61
84) 1,2,4-Trimethylbenzene	13.12	105	1316728	162.194	ug/l		99
85) sec-Butylbenzene	13.12	105	1316728	132.752	ug/l	#	56
86) p-Isopropyltoluene	13.36	119	58184	6.582	ug/l		98
89) n-Butylbenzene	13.63	91	336278	38.569	ug/l	#	45
90) Hexachloroethane	13.97	117	25931	15.867	ug/l	#	14
92) 1,2-Dibromo-3-Chloropropan	14.36	75	19149	55.818	ug/l	#	1
95) Naphthalene	15.23	128	20989101	3519.507	ug/l	#	84

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
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Operator : SY/MD
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Instrument :
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ClientSampleId :
WS-112019-0-1-GRAB-B2

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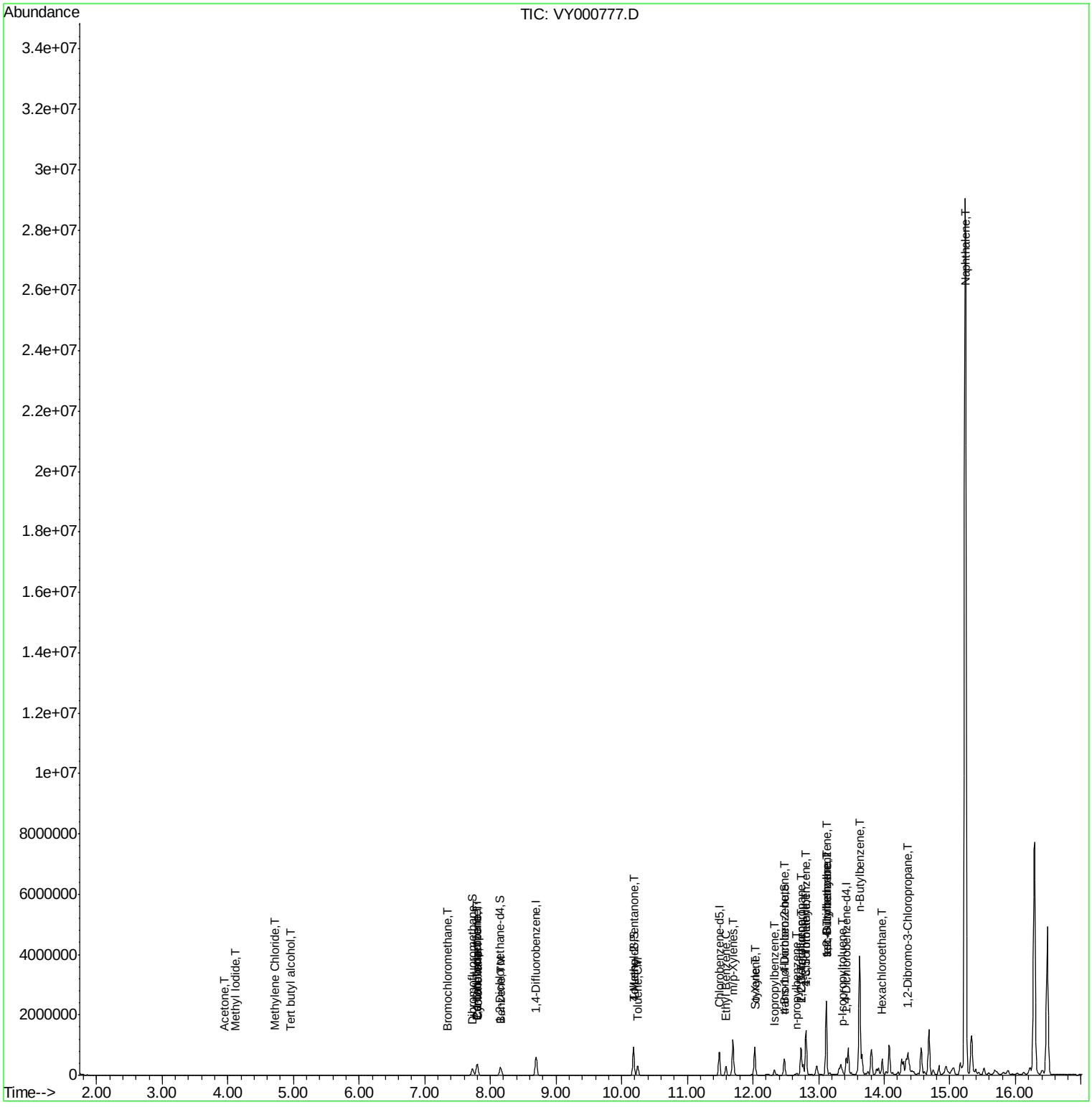
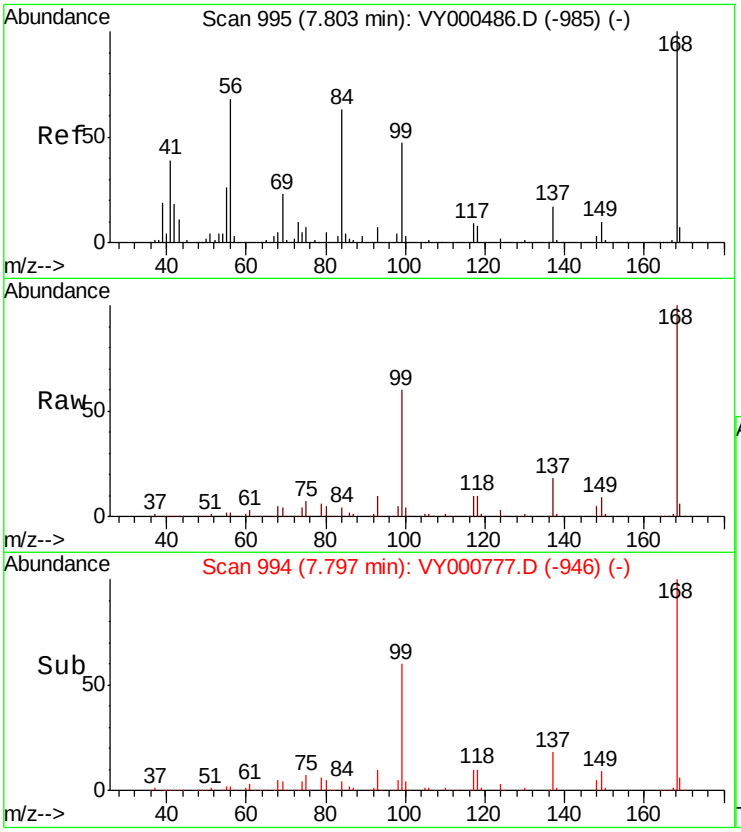
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration



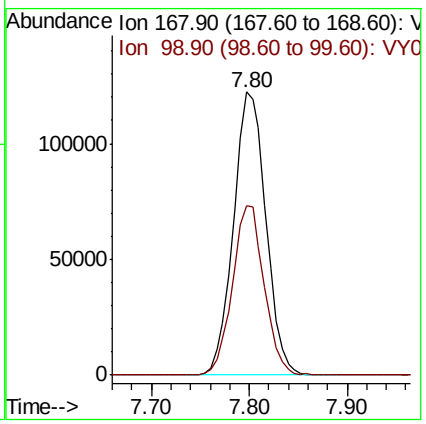


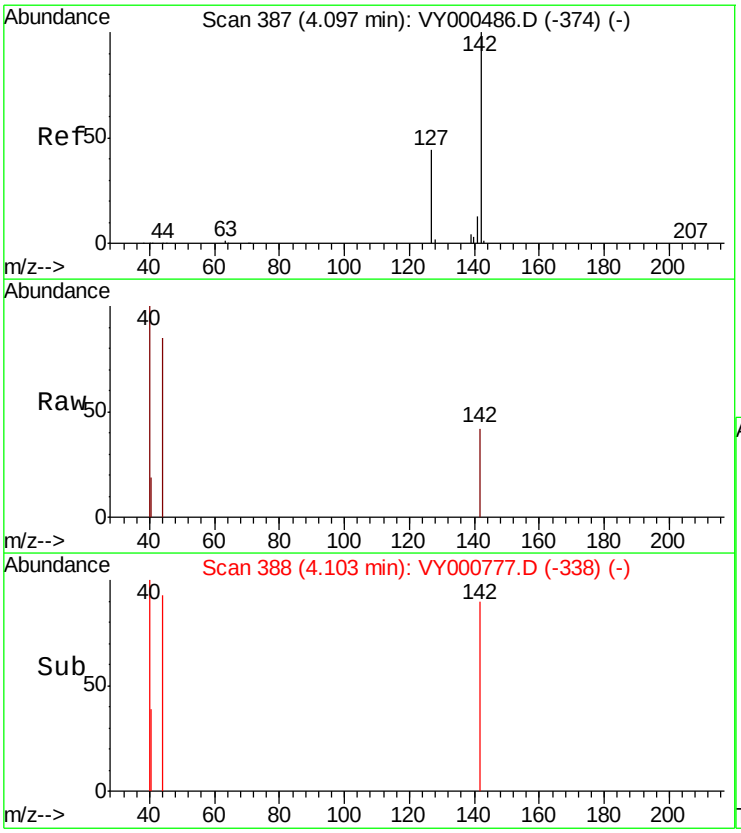
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion:168 Resp: 280416

Ion	Ratio	Lower	Upper
168	100		
99	59.7	45.7	68.5

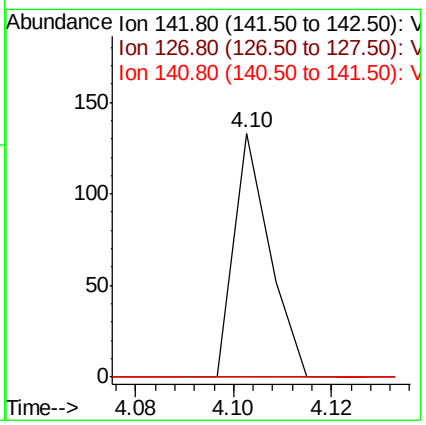


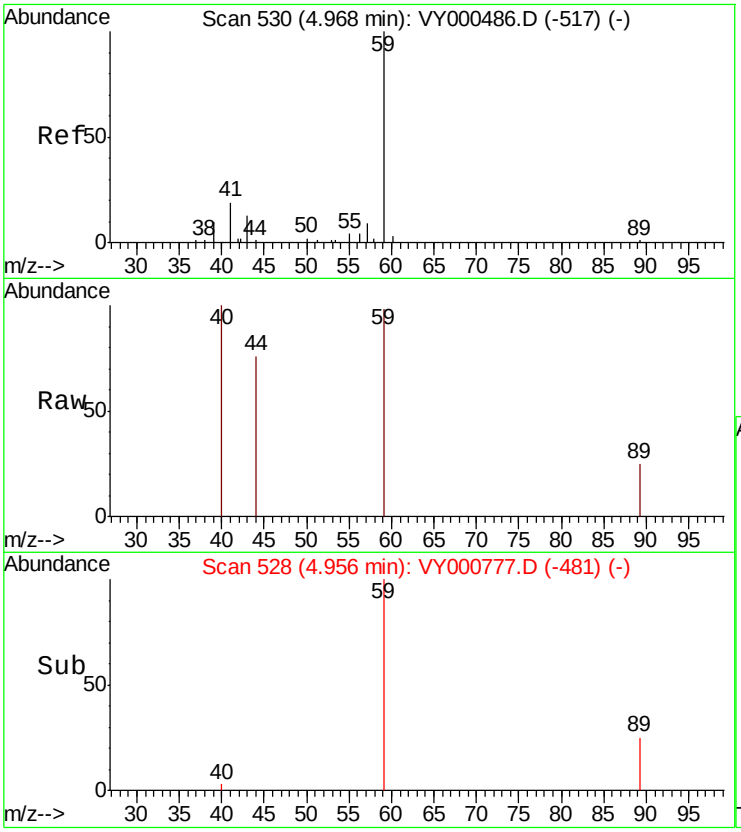


#10
Methyl Iodide
Concen: 3.216 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:142 Resp: 68

Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.7	50.5#
141	0.0	10.9	16.3#



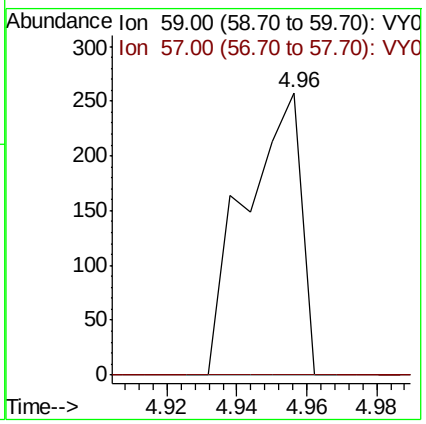


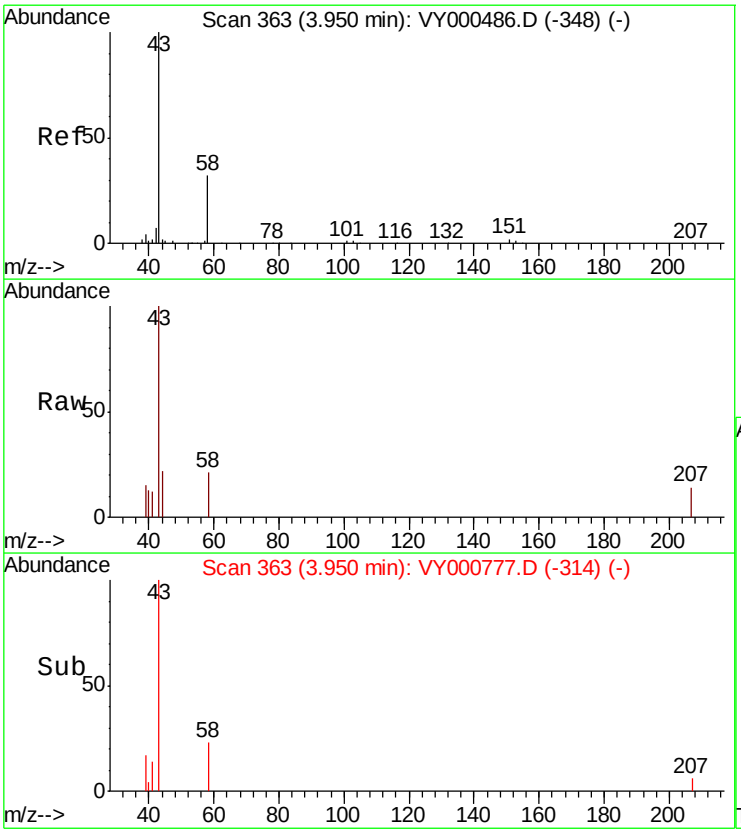
#11
Tert butyl alcohol
Concen: 1.016 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 59 Resp: 287

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

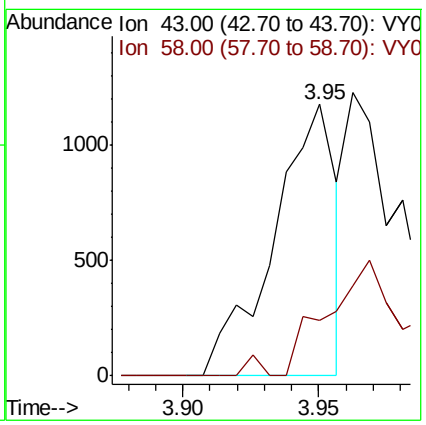


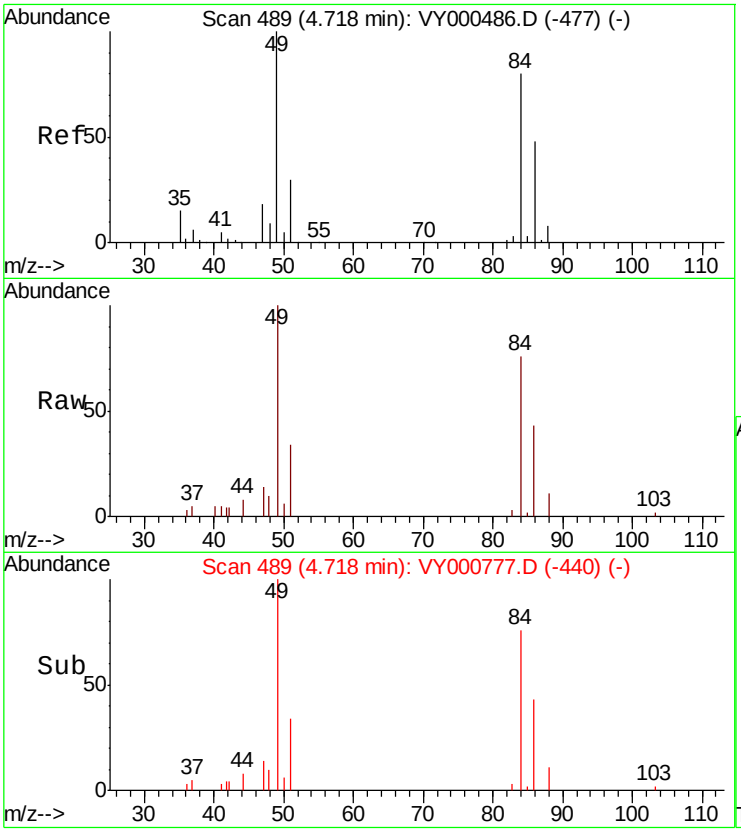


#16
Acetone
Concen: 2.336 ug/l
RT: 3.95 min Scan# 363
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion: 43 Resp: 1868

Ion	Ratio	Lower	Upper
43	100		
58	20.5	25.8	38.6#



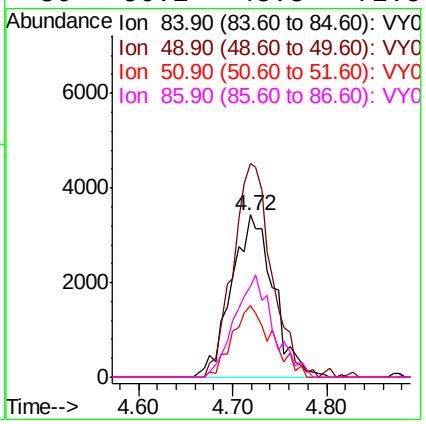


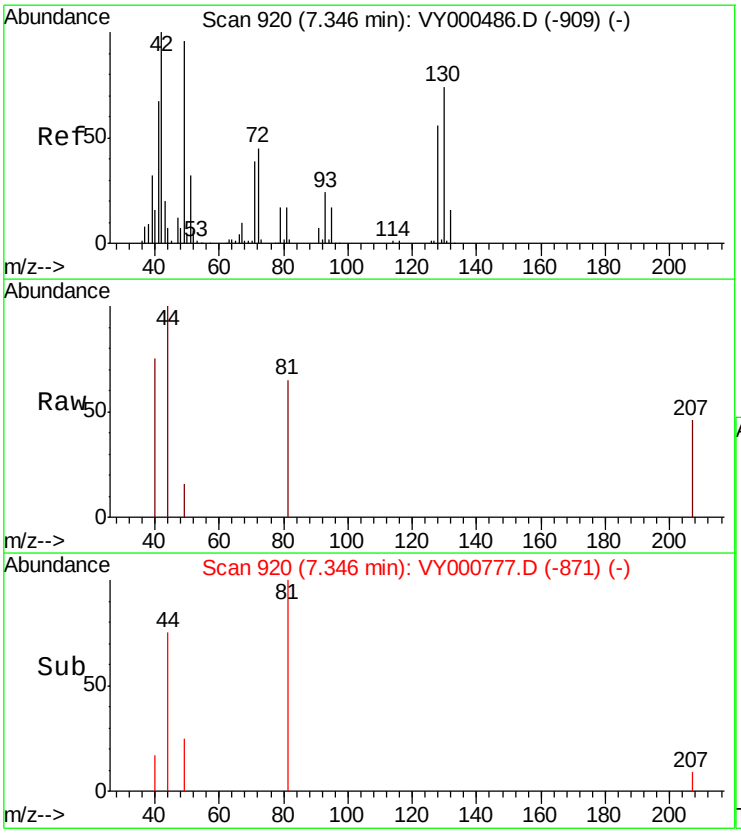
#20
Methylene Chloride
Concen: 3.119 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 84 Resp: 10688

Ion	Ratio	Lower	Upper
84	100		
49	131.5	100.2	150.4
51	44.3	29.6	44.4
86	56.1	48.3	72.5

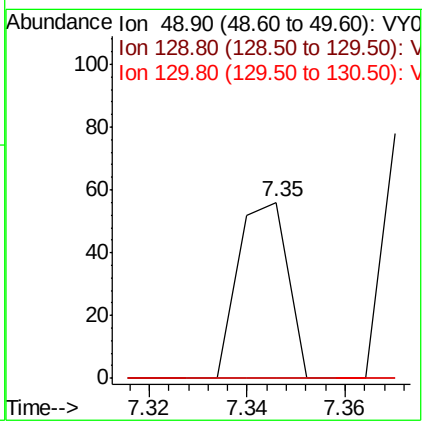


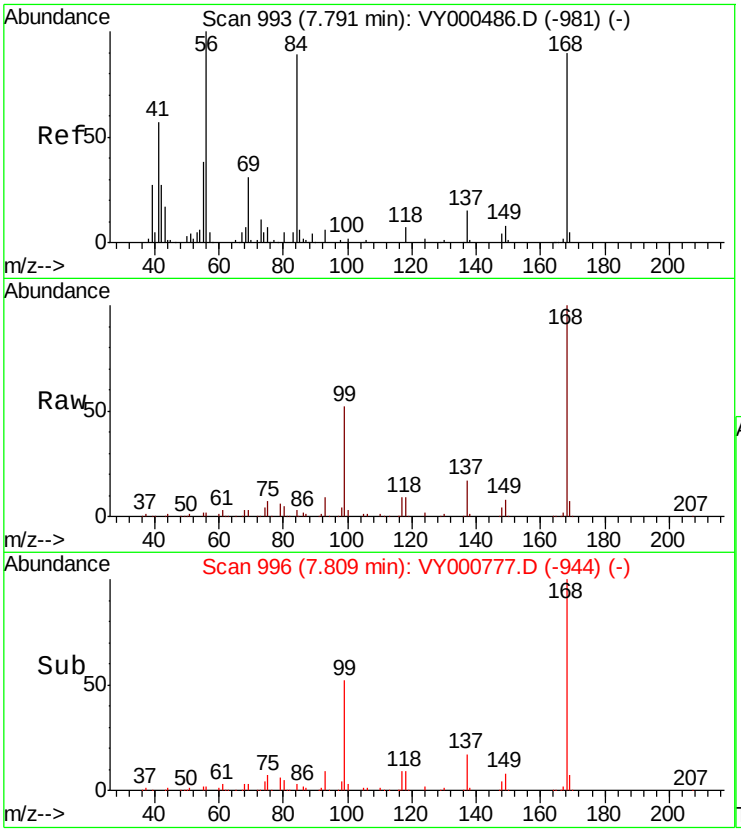


#28
Bromochloromethane
Concen: 4.107 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion: 49 Resp: 39

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	59.4	89.0#



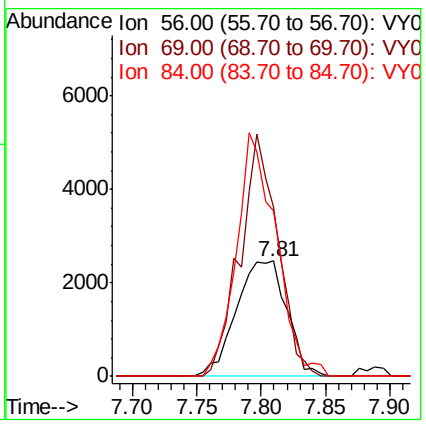


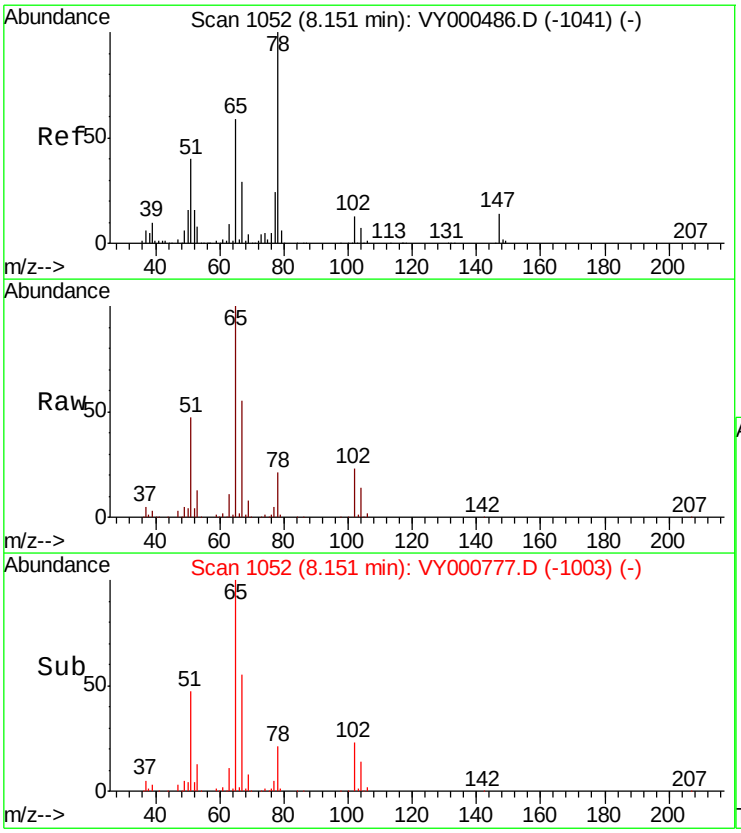
#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.02 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 56 Resp: 6733

Ion	Ratio	Lower	Upper
56	100		
69	146.5	25.0	37.6#
84	143.7	71.4	107.2#

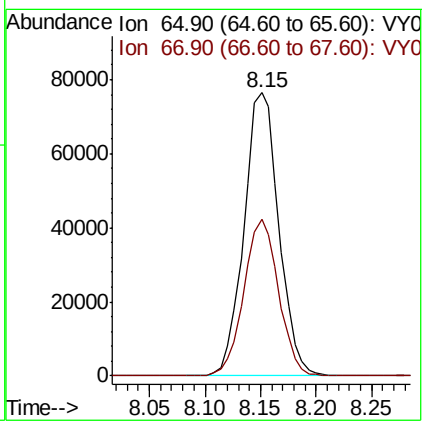


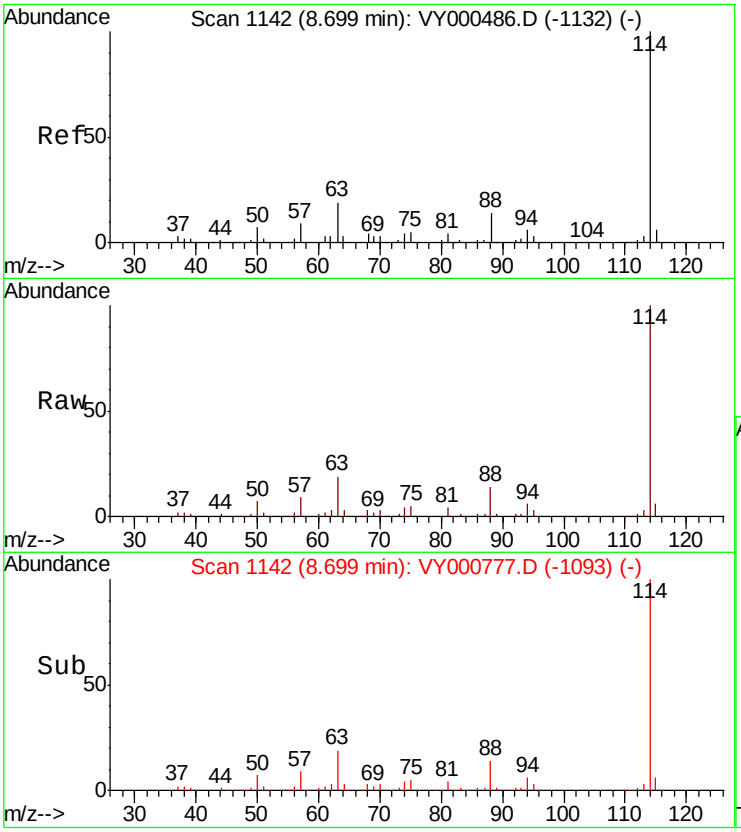


#33
1,2-Dichloroethane-d4
Concen: 57.441 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion: 65 Resp: 166691

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	107.2



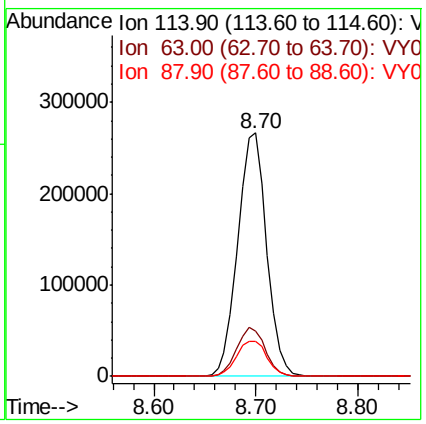


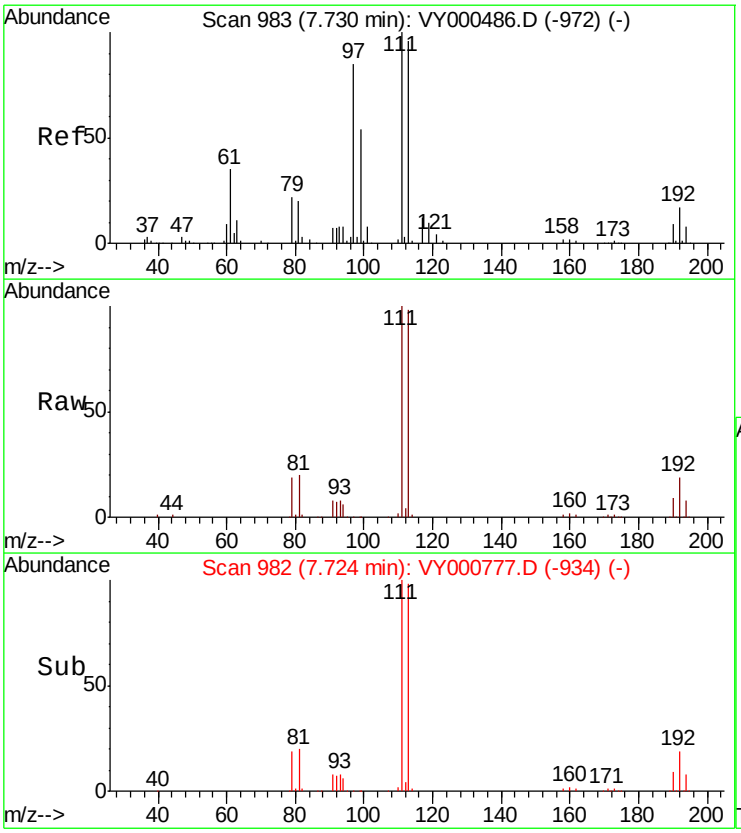
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion:114 Resp: 522789

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.0
88	14.4	0.0	28.6

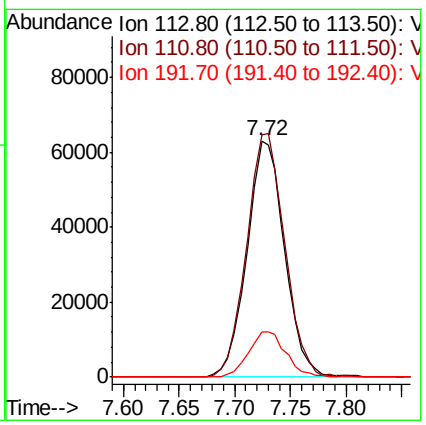


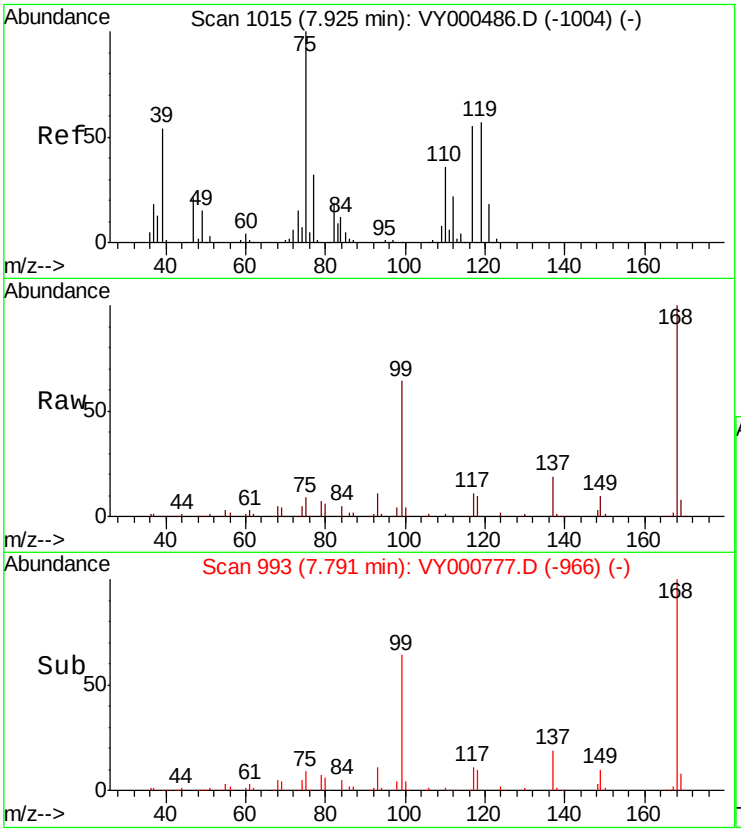


#35
Dibromofluoromethane
Concen: 48.151 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:113 Resp: 147780

Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.7	122.5
192	19.1	15.0	22.4



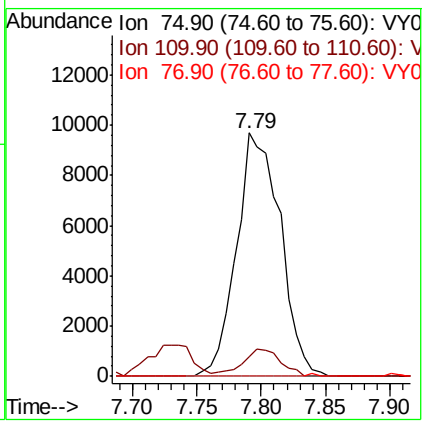


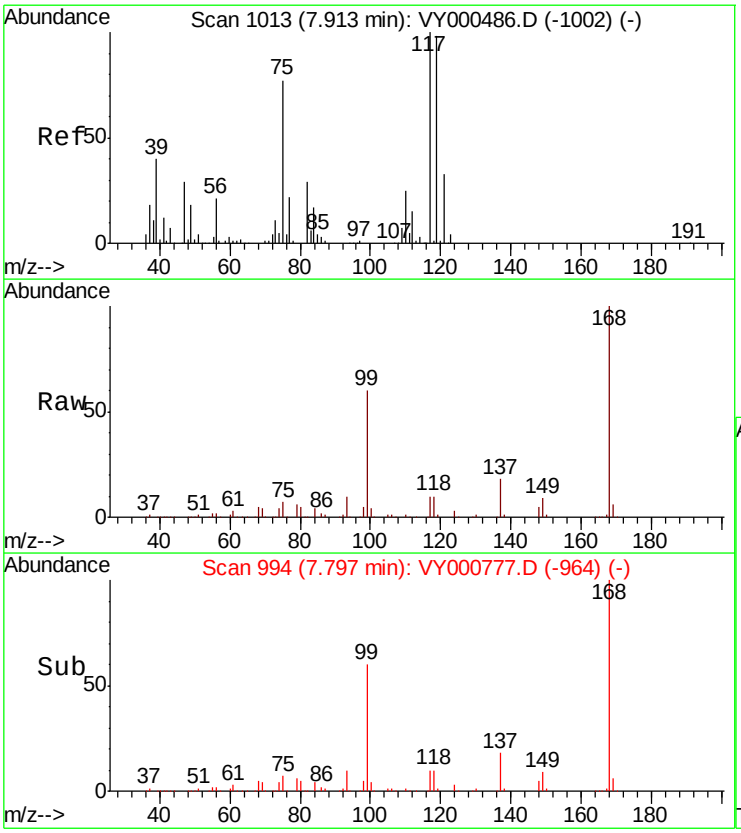
#36
1,1-Dichloropropene
Concen: 4.611 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.13 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 75 Resp: 22786

Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.1#
77	0.0	25.0	37.6#

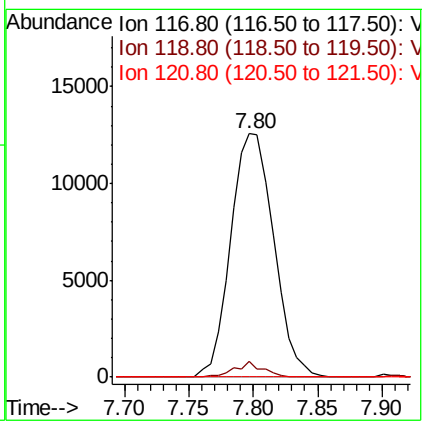


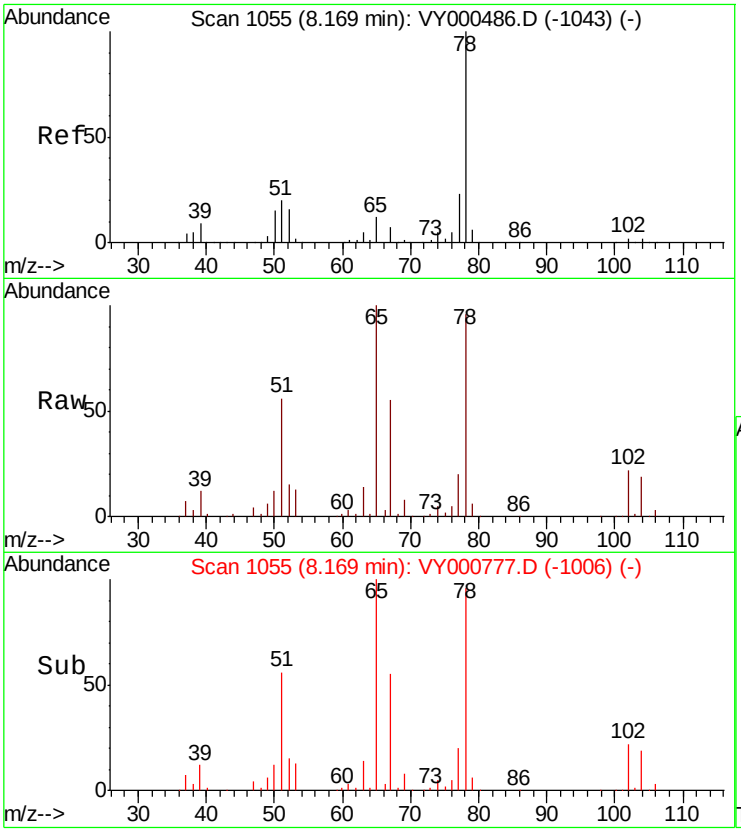


#38
Carbon Tetrachloride
Concen: 6.107 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:117 Resp: 29044

Ion	Ratio	Lower	Upper
117	100		
119	6.4	78.0	117.0#
121	0.0	26.6	40.0#



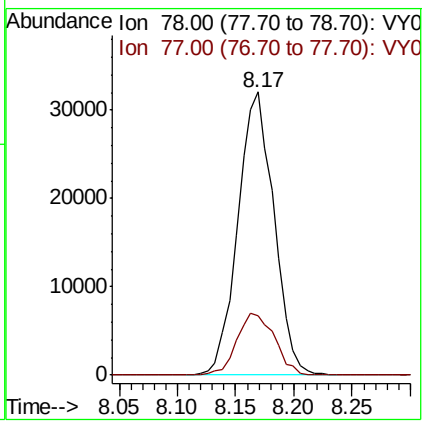


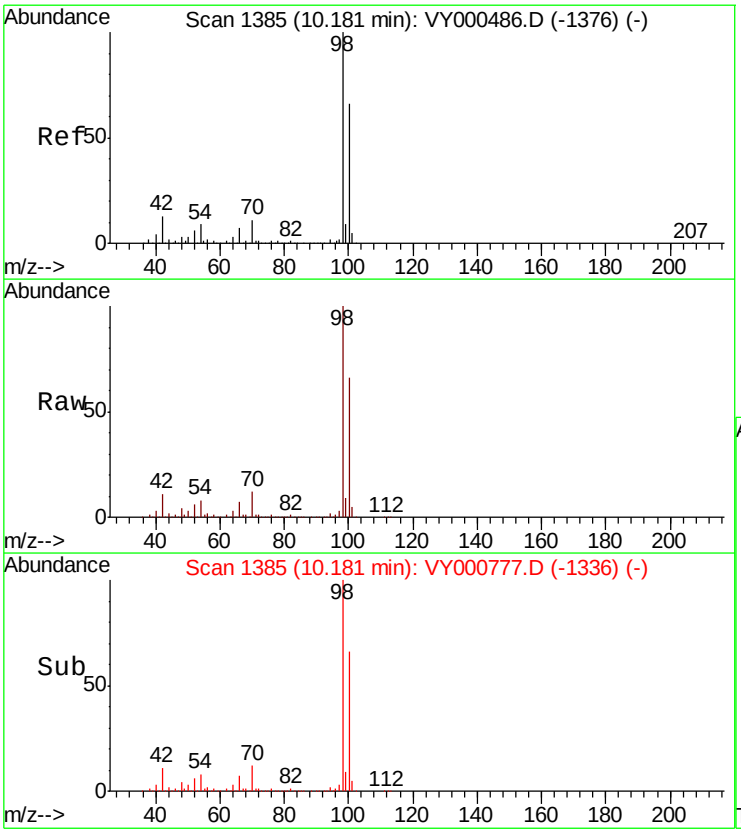
#40
Benzene
Concen: 4.779 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 78 Resp: 69243

Ion	Ratio	Lower	Upper
78	100		
77	21.2	18.6	28.0

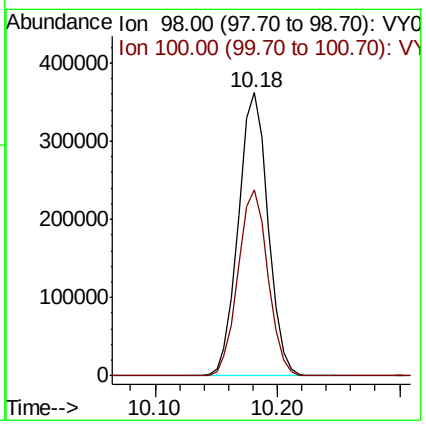


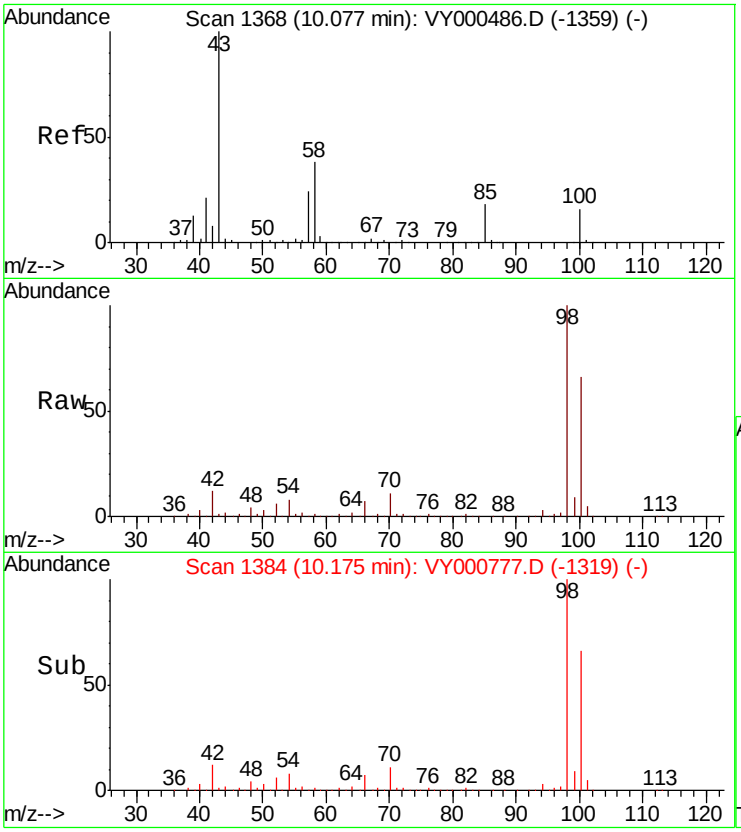


#50
Toluene-d8
Concen: 52.269 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion: 98 Resp: 608707

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3



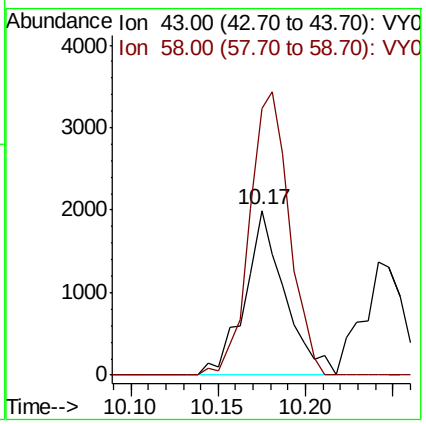


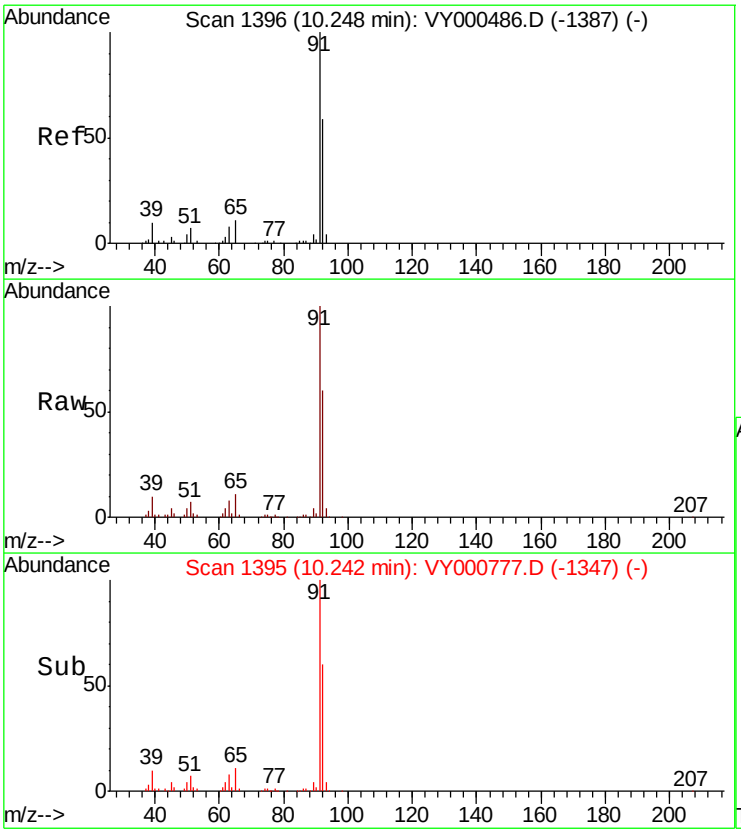
#51
4-Methyl-2-Pentanone
Concen: 1.080 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. 0.10 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 43 Resp: 3165

Ion	Ratio	Lower	Upper
43	100		
58	170.8	30.2	45.4#

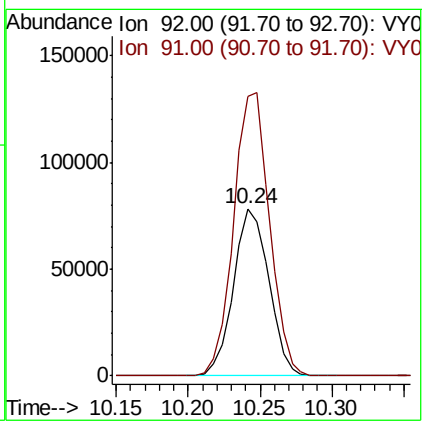


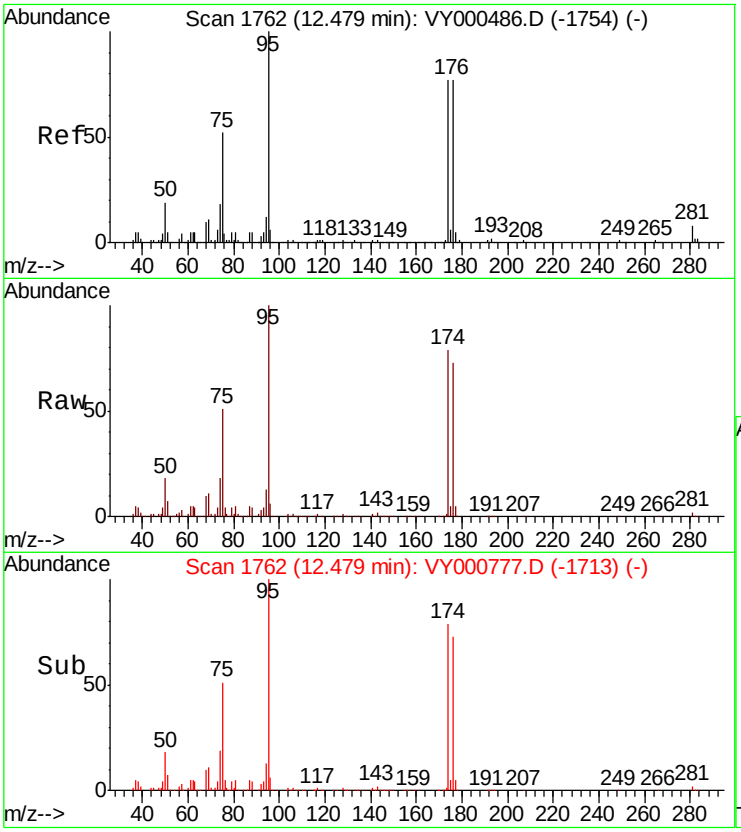


#52
Toluene
Concen: 14.601 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion: 92 Resp: 133757

Ion	Ratio	Lower	Upper
92	100		
91	171.8	136.3	204.5



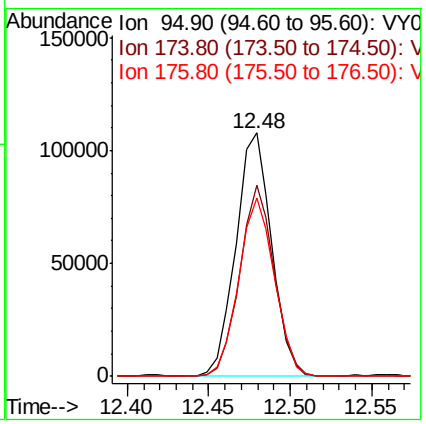


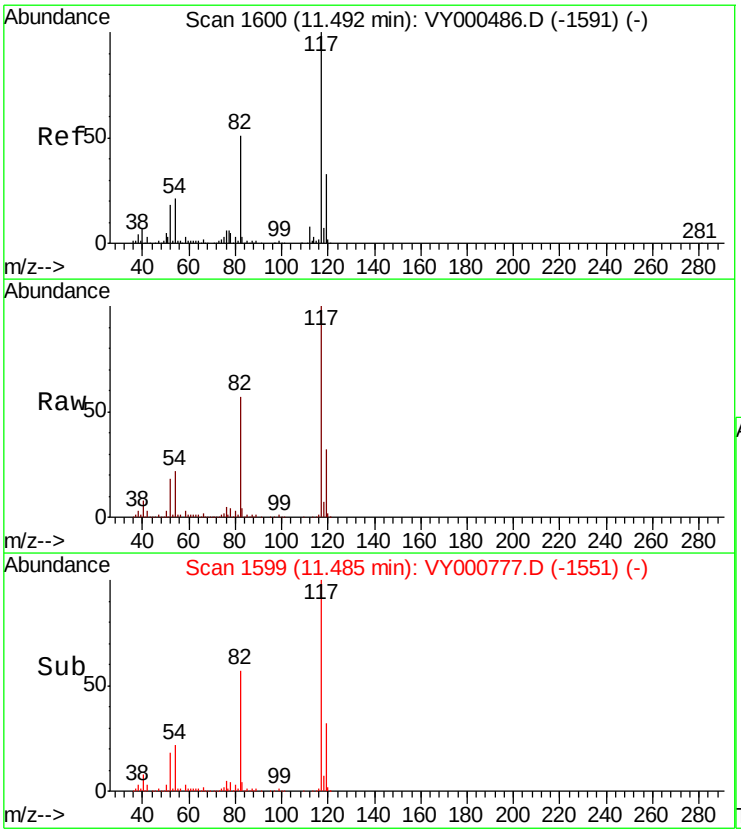
#62
4-Bromofluorobenzene
Concen: 36.892 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 95 Resp: 163556

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	161.6
176	73.5	0.0	157.8

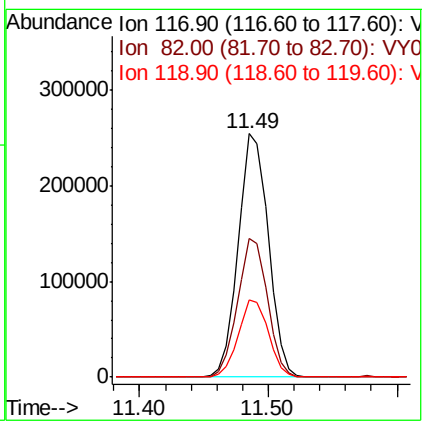


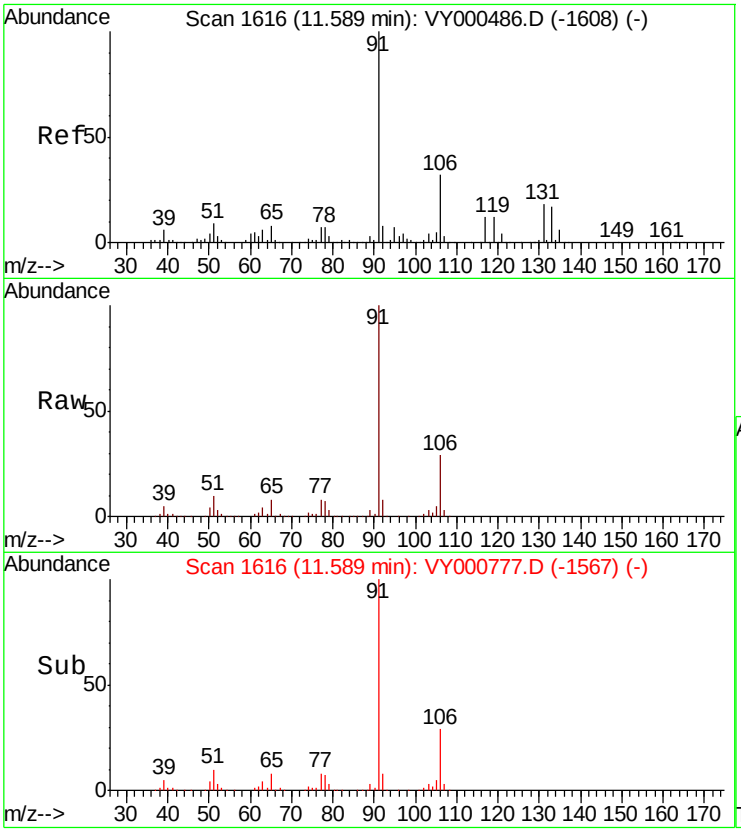


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:117 Resp: 410741

Ion	Ratio	Lower	Upper
117	100		
82	57.2	40.8	61.2
119	31.7	26.2	39.2



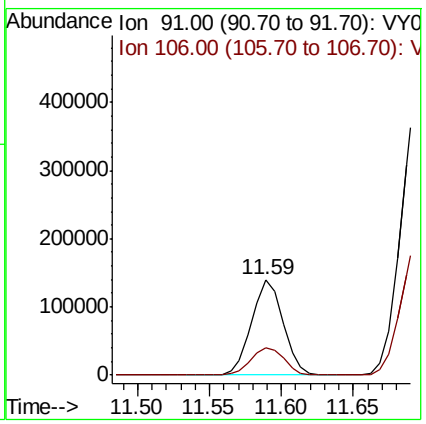


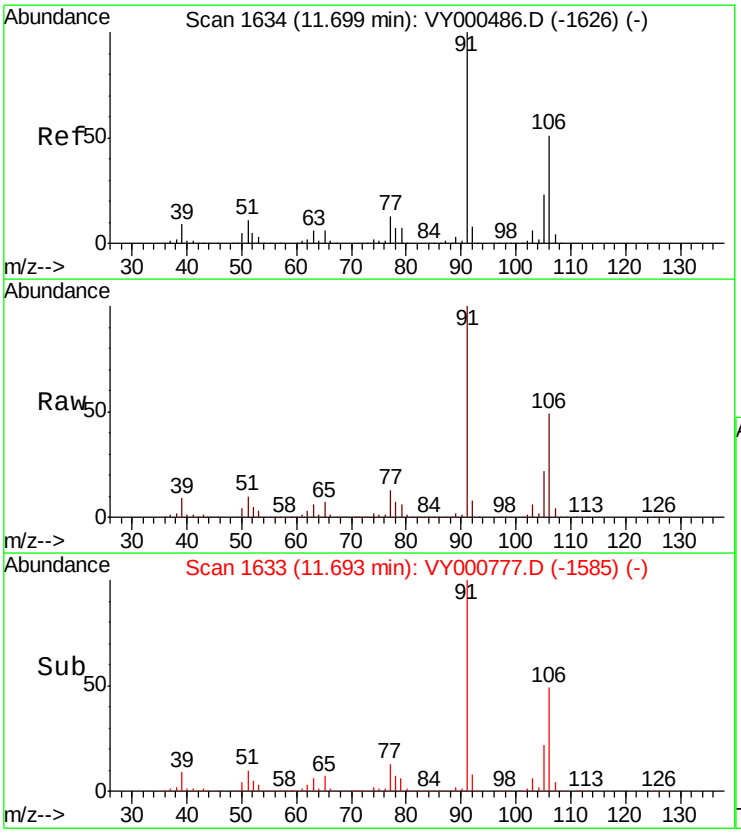
#67
Ethyl Benzene
Concen: 13.813 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 91 Resp: 211713

Ion	Ratio	Lower	Upper
91	100		
106	29.3	25.4	38.0

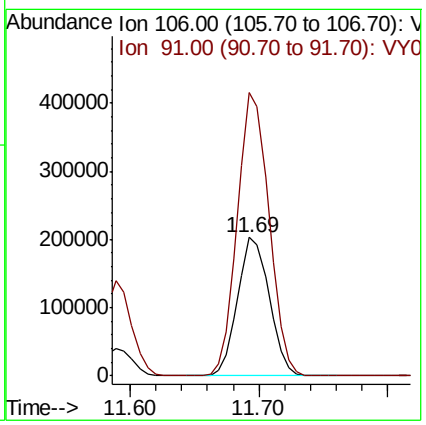


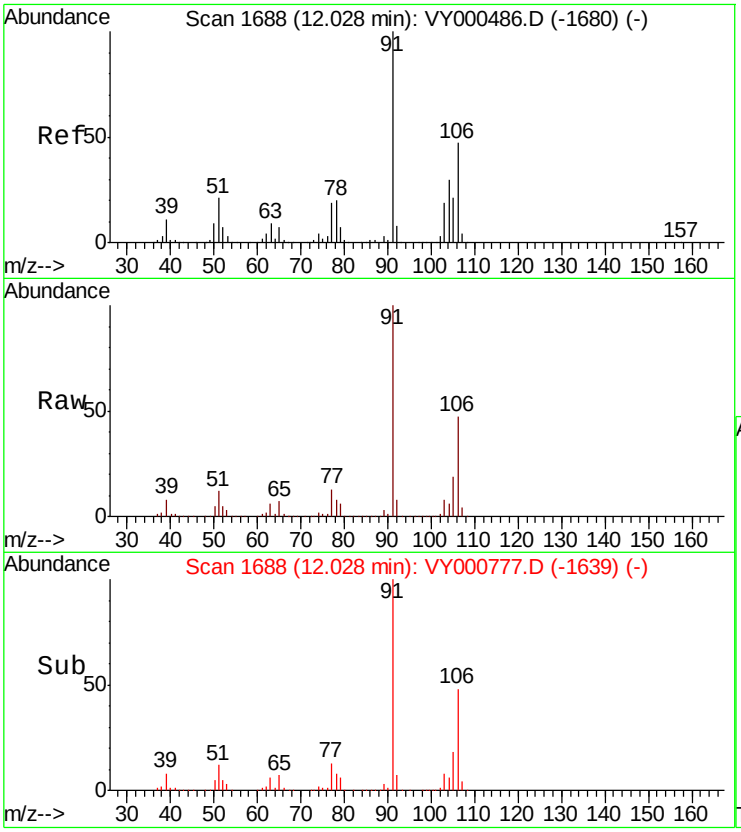


#68
m/p-Xylenes
Concen: 58.475 ug/l
RT: 11.69 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:106 Resp: 346874

Ion	Ratio	Lower	Upper
106	100		
91	204.2	155.9	233.9



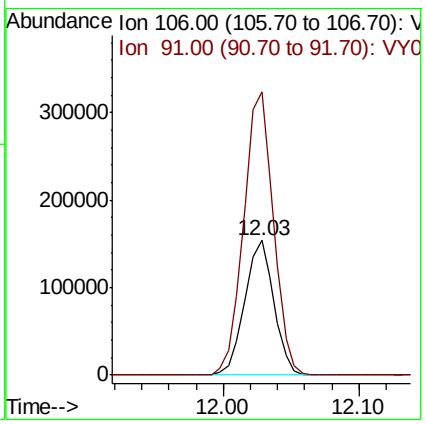


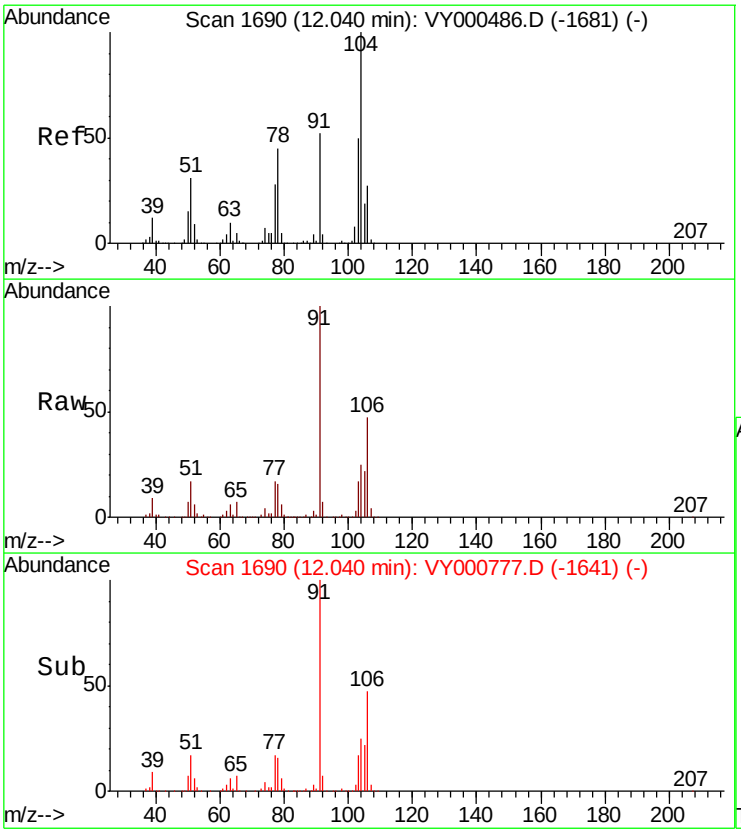
#69
o-Xylene
Concen: 41.532 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion:106 Resp: 231546

Ion	Ratio	Lower	Upper
106	100		
91	214.4	106.5	319.6

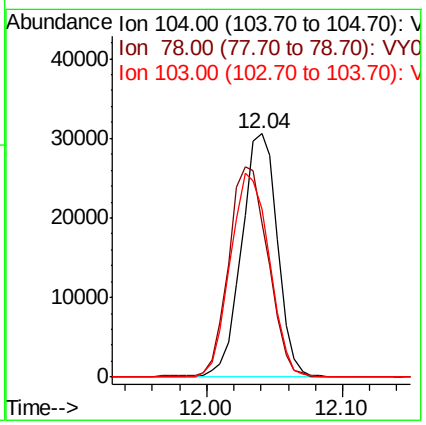


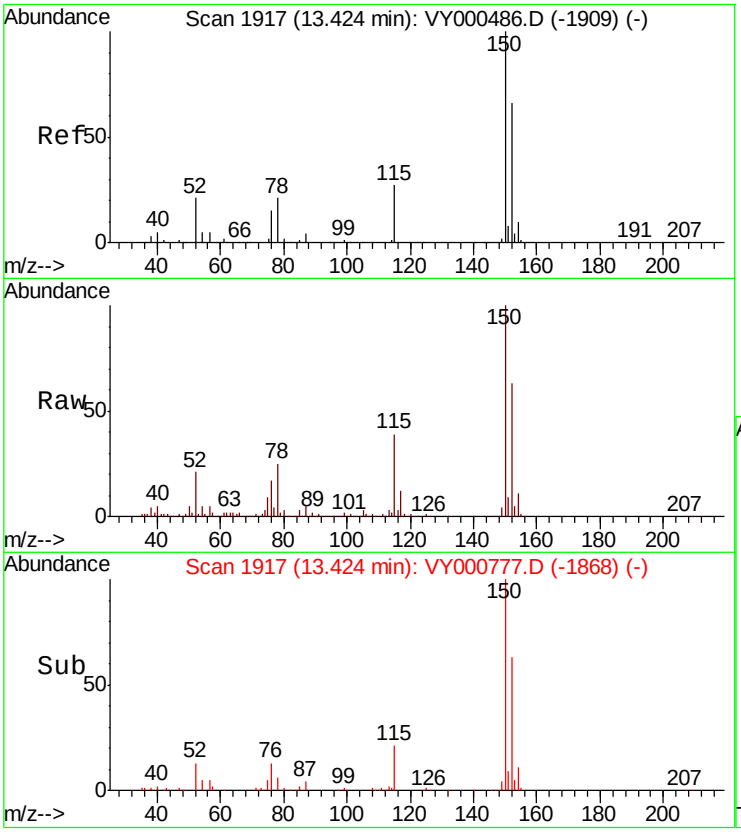


#70
Styrene
Concen: 5.915 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:104 Resp: 56472

Ion	Ratio	Lower	Upper
104	100		
78	94.7	39.0	58.4#
103	91.1	42.5	63.7#



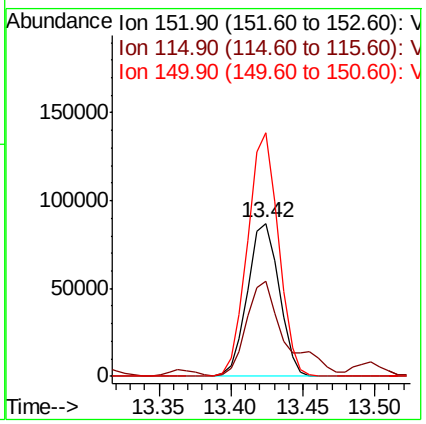


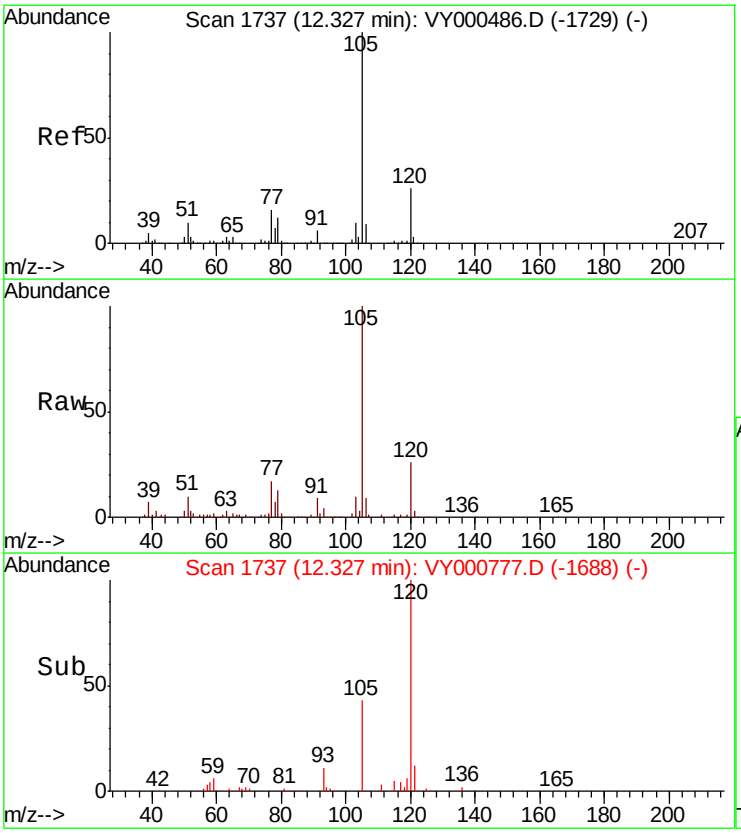
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion:152 Resp: 132463

Ion	Ratio	Lower	Upper
152	100		
115	73.8	29.1	87.4
150	154.8	0.0	348.8

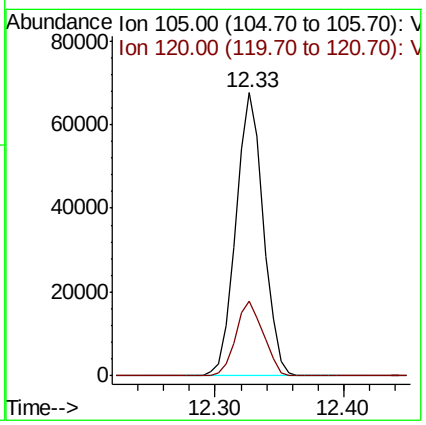


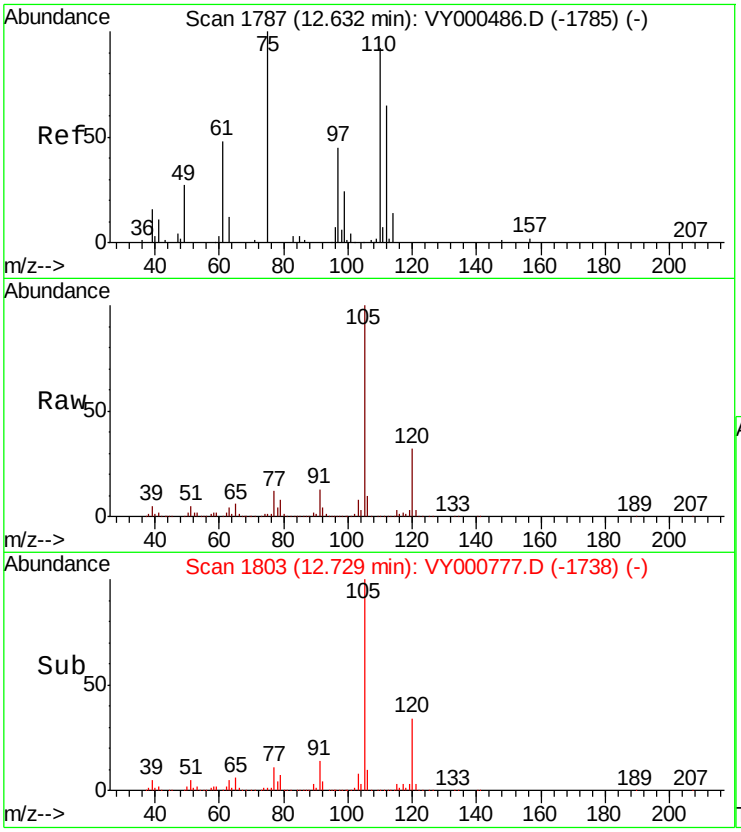


#73
Isopropylbenzene
Concen: 10.184 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:105 Resp: 99698

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.4



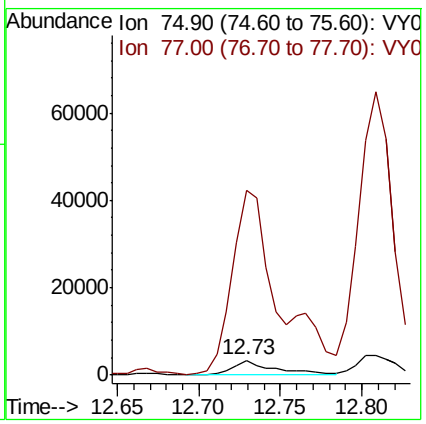


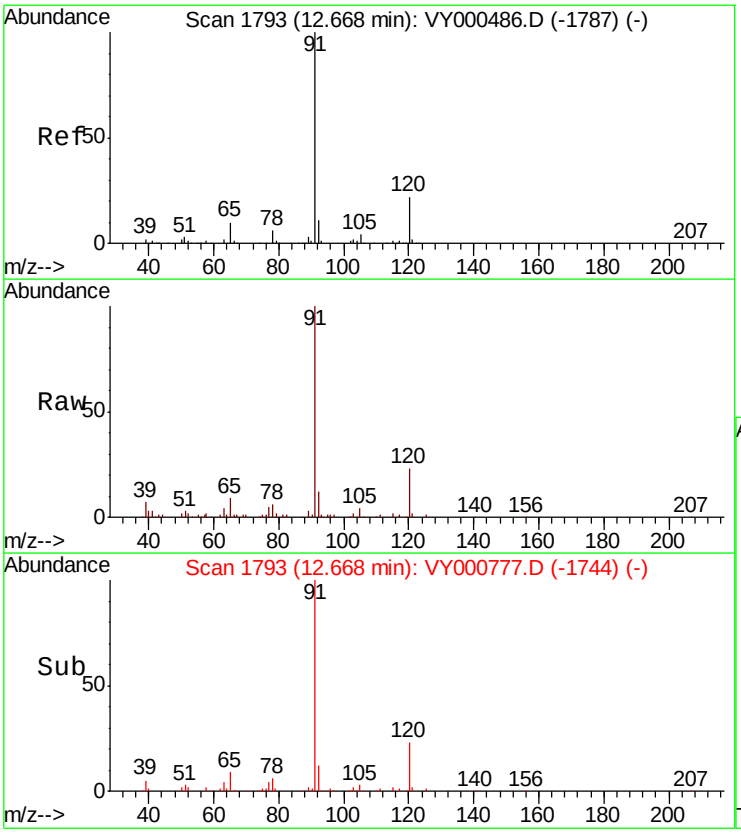
#76
1,2,3-Trichloropropane
Concen: 4.063 ug/l
RT: 12.73 min Scan# 1803
Delta R.T. 0.10 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 75 Resp: 6128

Ion	Ratio	Lower	Upper
75	100		
77	1090.0	0.0	0.0#

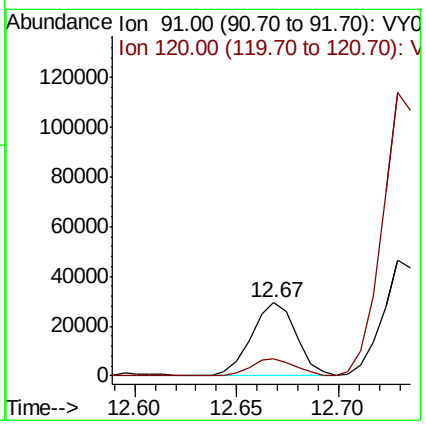


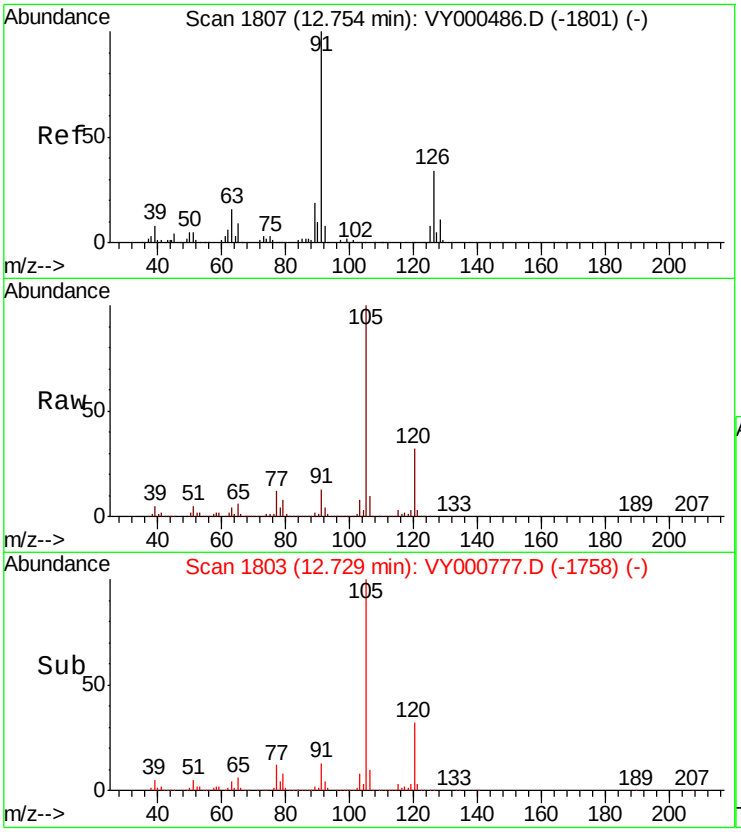


#78
n-propylbenzene
Concen: 3.737 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion: 91 Resp: 44146

Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.4	34.1#



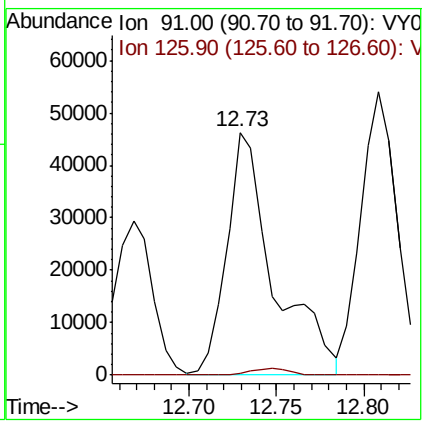


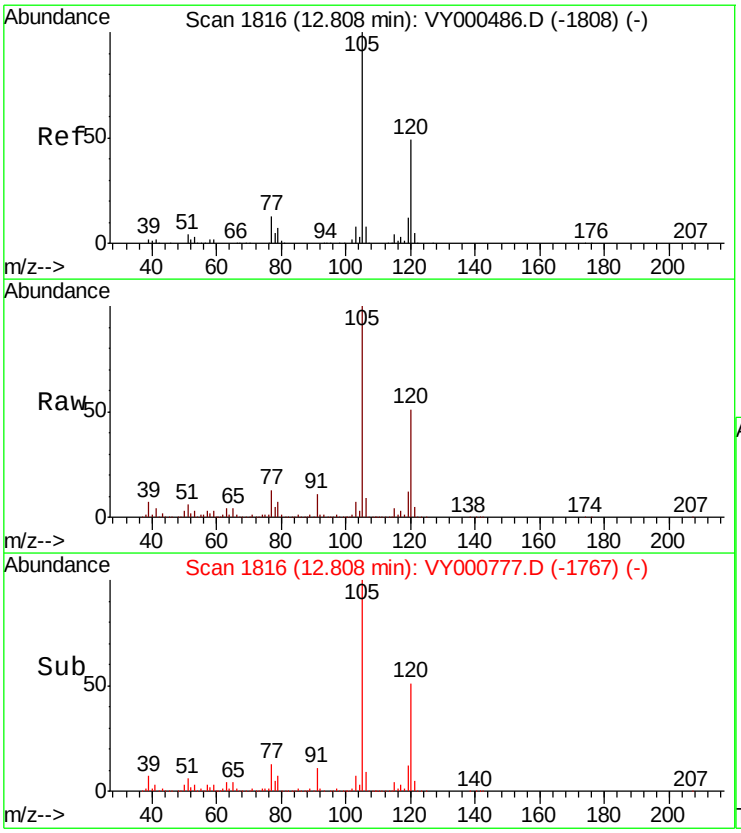
#79
2-Chlorotoluene
Concen: 13.185 ug/l
RT: 12.73 min Scan# 1803
Delta R.T. -0.02 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 91 Resp: 86464

Ion	Ratio	Lower	Upper
91	100		
126	2.4	17.7	53.1#

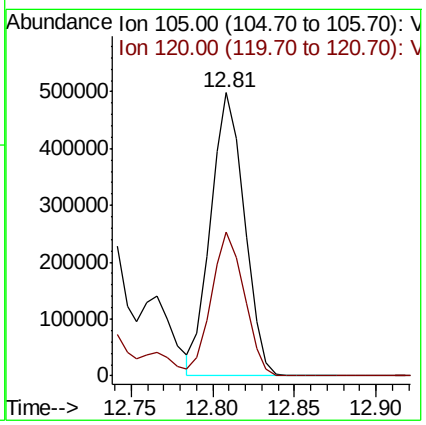


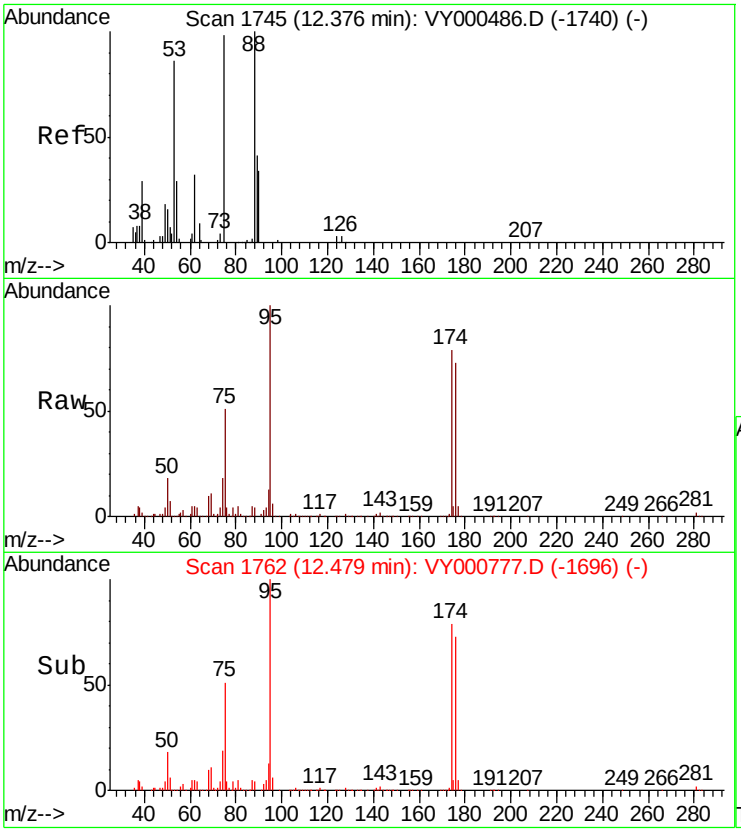


#80
1,3,5-Trimethylbenzene
Concen: 88.128 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:105 Resp: 718561

Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.9	74.8



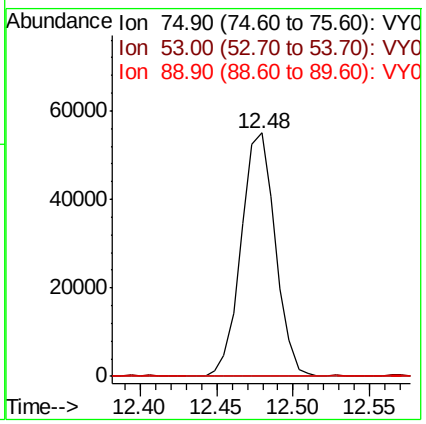


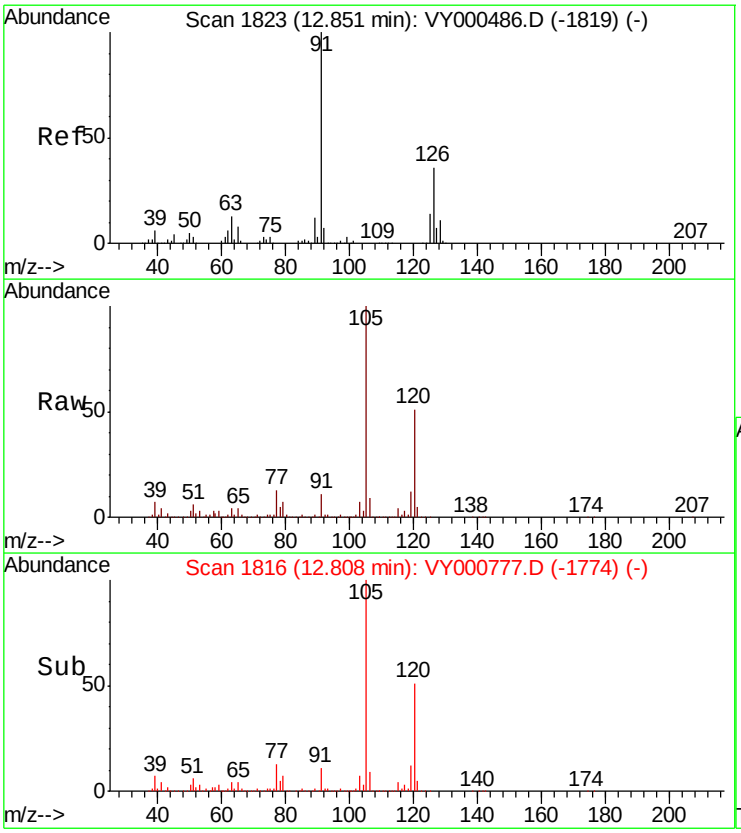
#81
trans-1,4-Dichloro-2-butene
Concen: 127.065 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 75 Resp: 85476

Ion	Ratio	Lower	Upper
75	100		
53	0.2	73.2	109.8#
89	0.0	35.9	53.9#

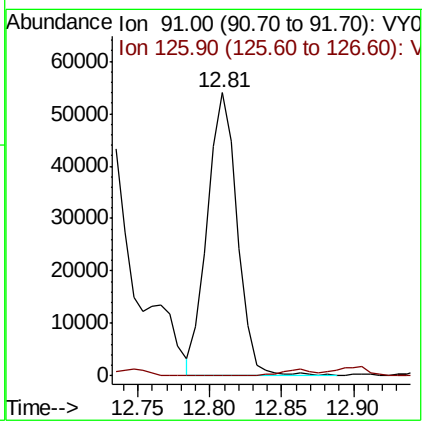


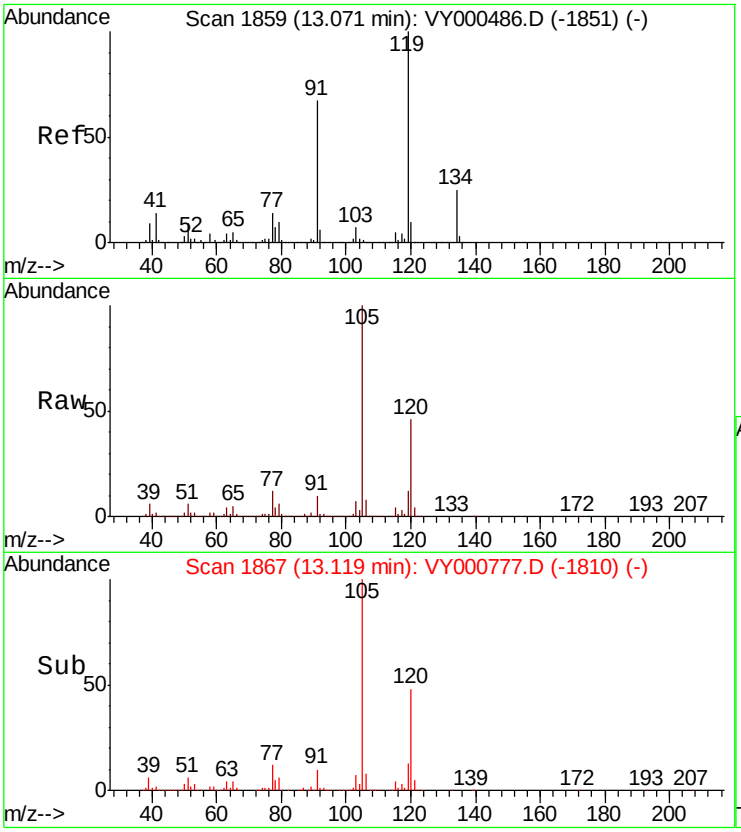


#82
4-Chlorotoluene
Concen: 11.400 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. -0.04 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion: 91 Resp: 77496

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.6	52.9#



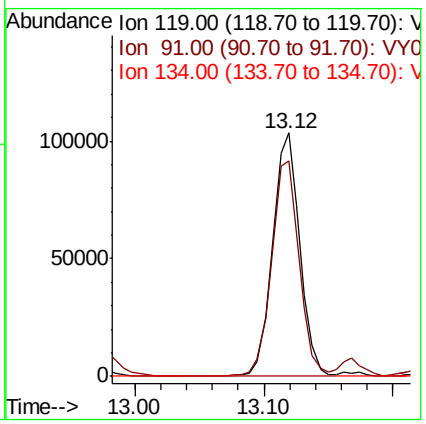


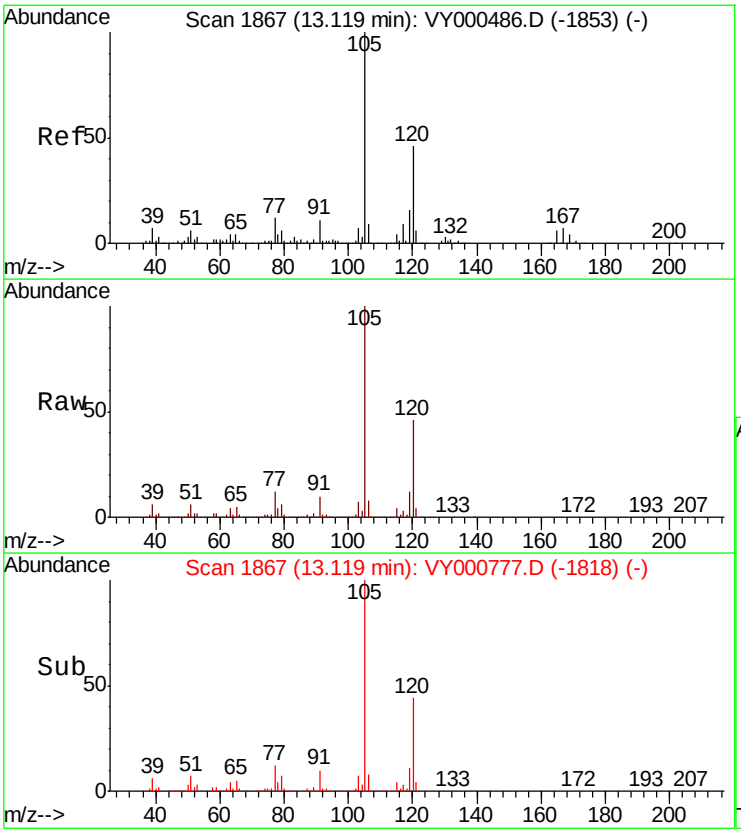
#83
tert-Butylbenzene
Concen: 21.955 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.05 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion:119 Resp: 152848

Ion	Ratio	Lower	Upper
119	100		
91	90.6	32.1	96.3
134	0.0	13.2	39.5#

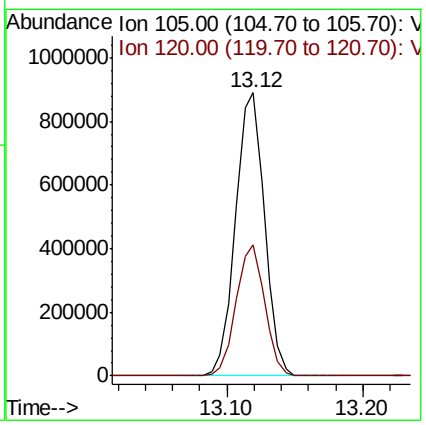


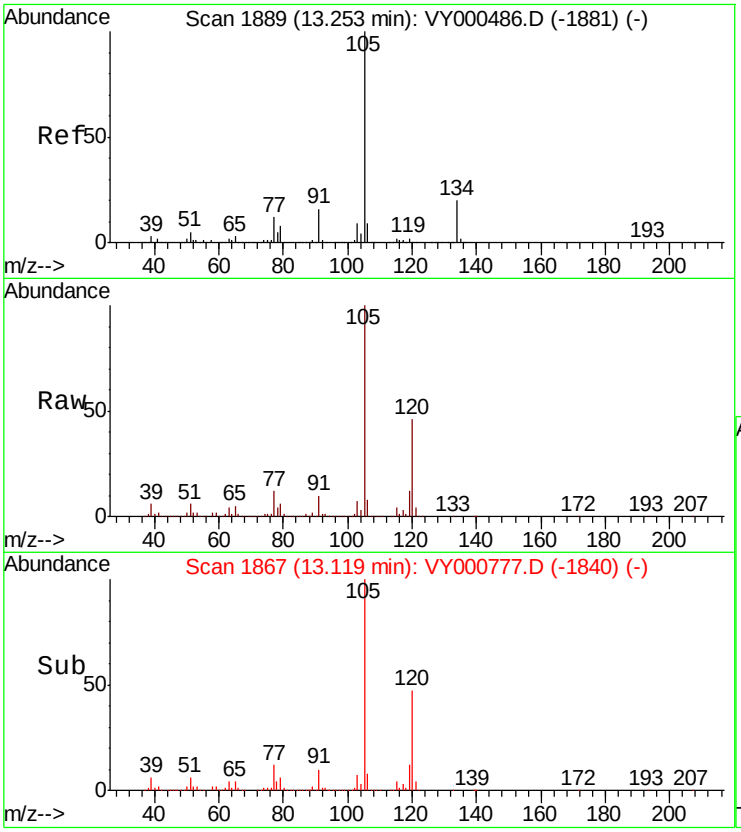


#84
1,2,4-Trimethylbenzene
Concen: 162.194 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:105 Resp: 1316728

Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.3	69.9



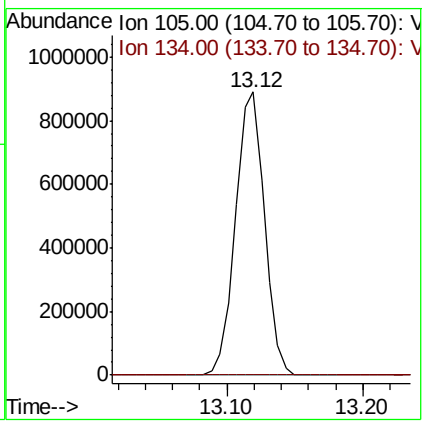


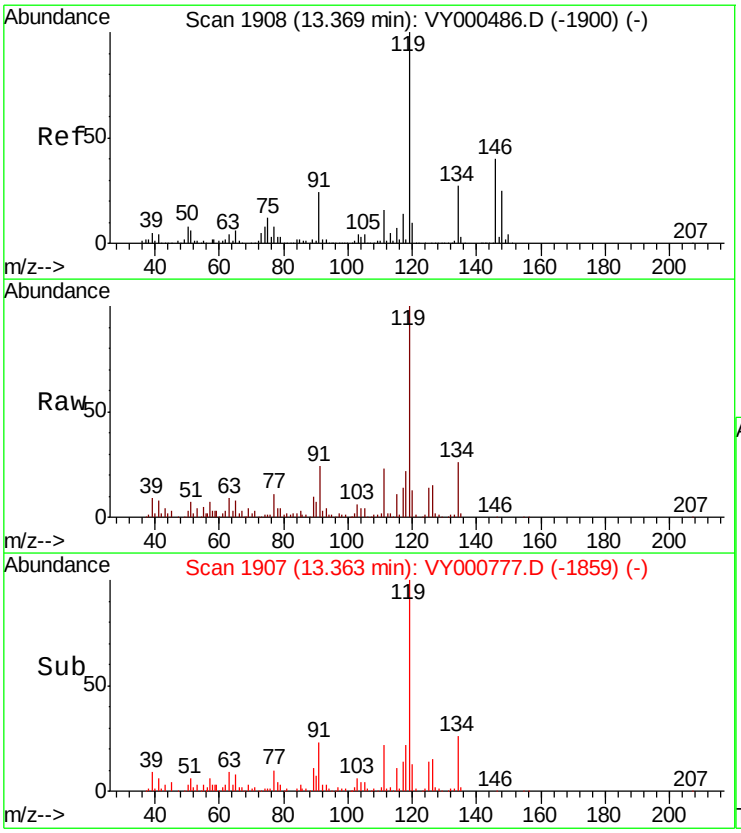
#85
sec-Butylbenzene
Concen: 132.752 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.13 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion:105 Resp: 1316728

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.1	30.1#

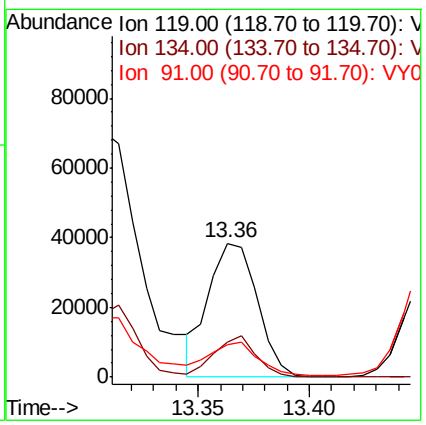


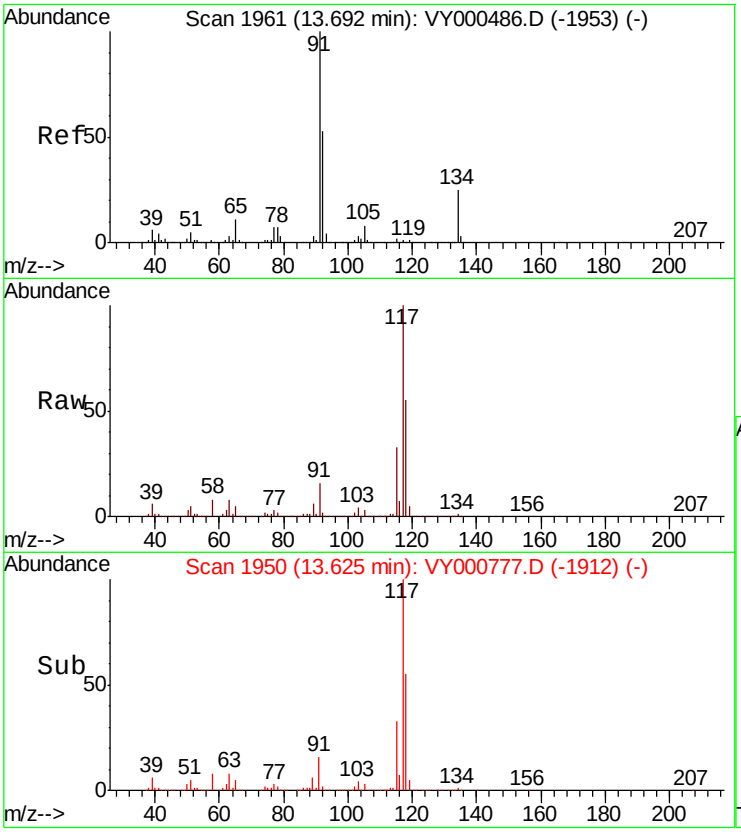


#86
p-Isopropyltoluene
Concen: 6.582 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:119 Resp: 58184

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.8
91	25.1	12.0	36.1



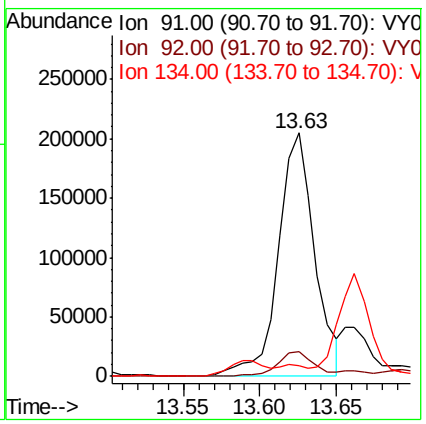


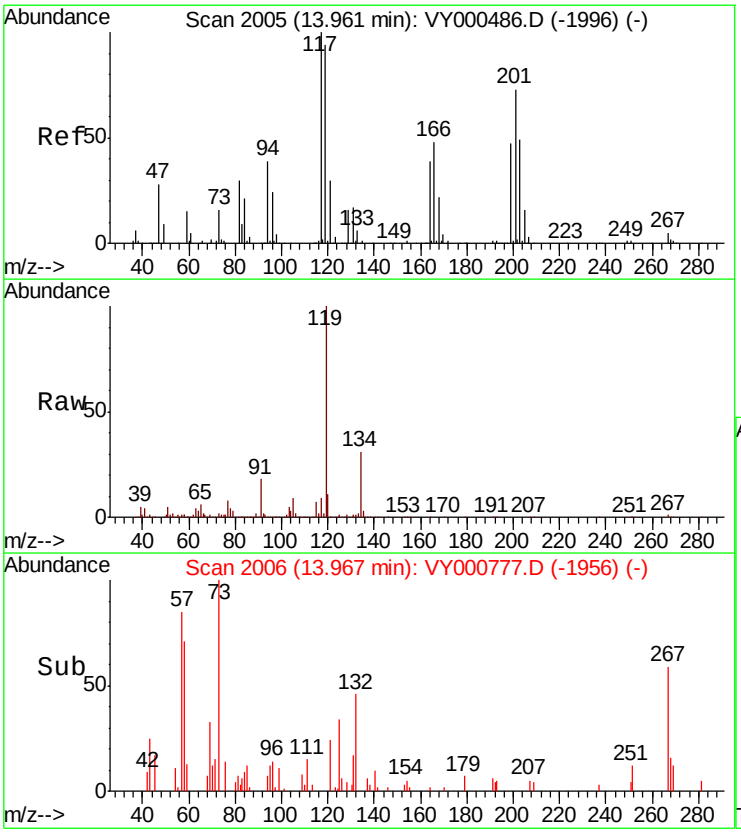
#89
n-Butylbenzene
Concen: 38.569 ug/l
RT: 13.63 min Scan# 1950
Delta R.T. -0.07 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 91 Resp: 336278

Ion	Ratio	Lower	Upper
91	100		
92	10.2	26.8	80.3#
134	3.5	12.9	38.7#

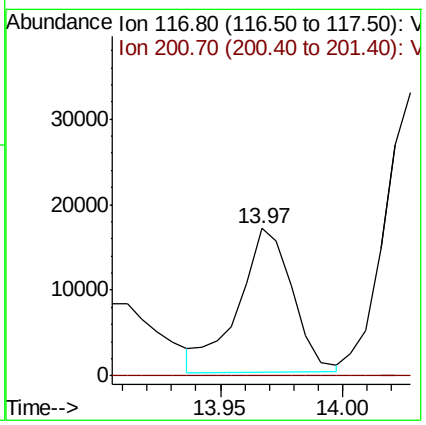


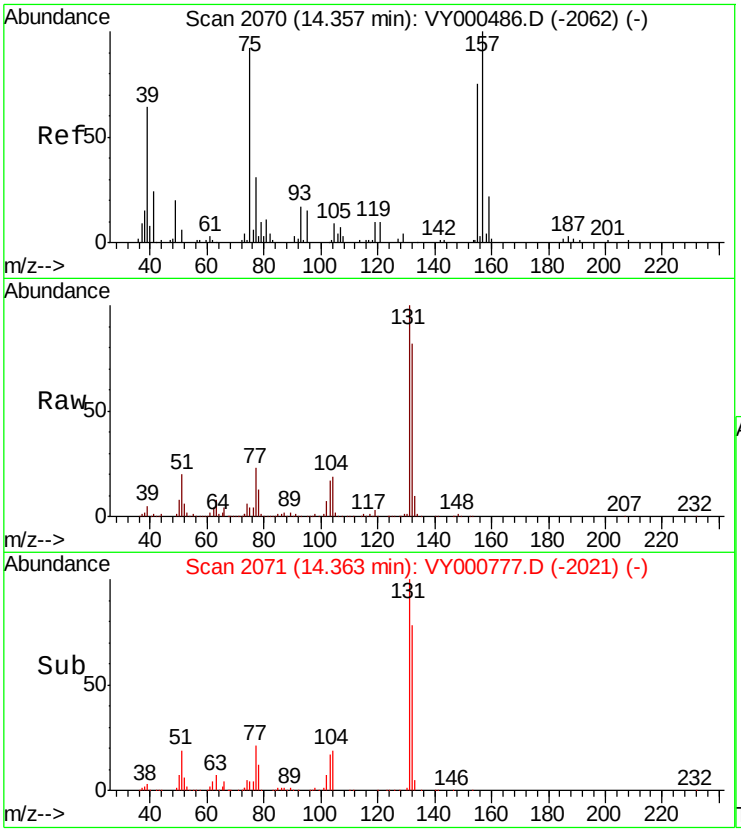


#90
Hexachloroethane
Concen: 15.867 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:117 Resp: 25931

Ion	Ratio	Lower	Upper
117	100		
201	0.0	35.8	107.3#



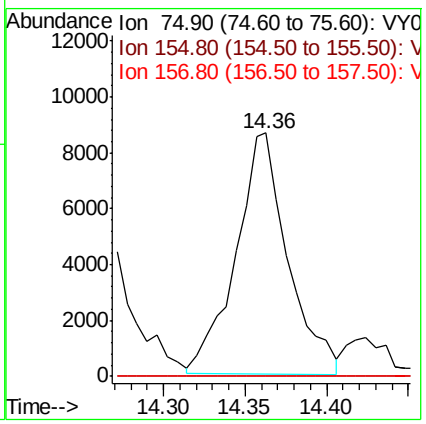


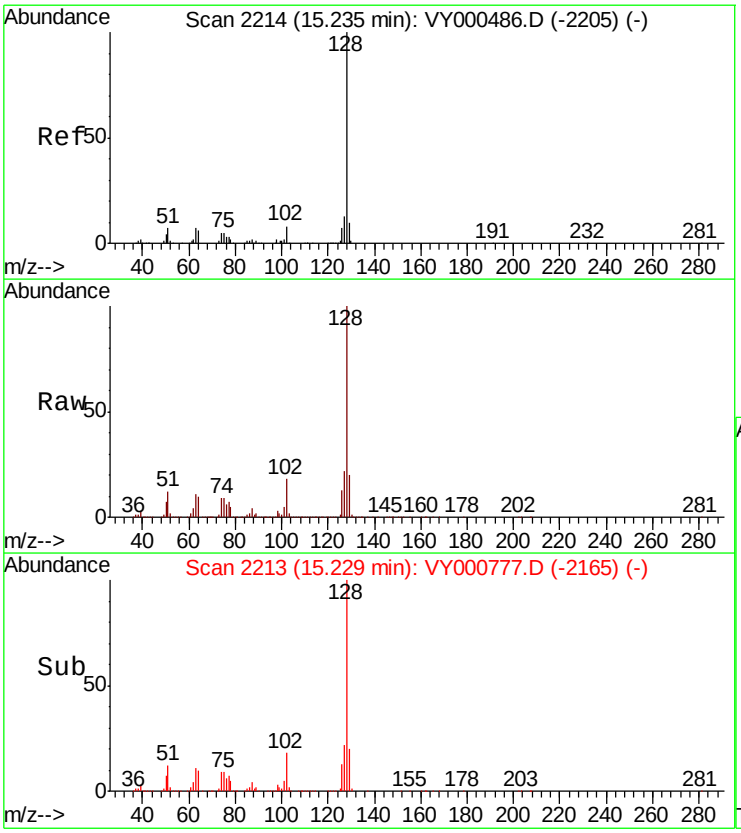
#92
1,2-Dibromo-3-Chloropropane
Concen: 55.818 ug/l
RT: 14.36 min Scan# 2071
Delta R.T. 0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tgt Ion: 75 Resp: 19149

Ion	Ratio	Lower	Upper
75	100		
155	0.0	42.4	127.1#
157	0.0	55.1	165.3#





#95
Naphthalene
Concen: 3519.507 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:128 Resp:20989101

Ion	Ratio	Lower	Upper
128	100		
127	18.8	9.8	14.6#
129	16.5	8.7	13.1#