Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021920\
Data File : VY001706.D
Acq On : 19 Feb 2020 17:58
Operator : SY/MD
Sample : L1589-03
Misc : 6.62G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId :

Quant Time: Feb 20 05:41:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	196881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	366751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	335094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	152836	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	115612	54.59	ug/l	0.00
Spiked Amount 50.000			Recovery = 109.18%			
35) Dibromofluoromethane	7.74	113	107363	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery = 102.22%			
50) Toluene-d8	10.19	98	440667	53.55	ug/l	0.00
Spiked Amount 50.000			Recovery = 107.10%			
62) 4-Bromofluorobenzene	12.49	95	158154	49.47	ug/l	0.00
Spiked Amount 50.000			Recovery = 98.94%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.00	59	21	Below Cal	#	74
16) Acetone	3.97	43	3401	4.641	ug/l	91
20) Methylene Chloride	4.75	84	7969	3.062	ug/l #	88
31) Cyclohexane	7.81	56	5600	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	16329	4.661	ug/l #	50
38) Carbon Tetrachloride	7.82	117	19816	6.440	ug/l #	18
39) Methylcyclohexane	9.20	83	10709	2.304	ug/l	91
49) 1,4-Dioxane	9.25	88	25	1.312	ug/l #	1
51) 4-Methyl-2-Pentanone	9.97	43	5892	2.891	ug/l #	39
52) Toluene	10.26	92	31685	4.930	ug/l	99
55) 1,1,2-Trichloroethane	10.63	97	4873	2.449	ug/l #	21
59) 2-Hexanone	10.81	43	5950	3.891	ug/l #	26
67) Ethyl Benzene	11.60	91	45961	3.702	ug/l	99
68) m/p-Xylenes	11.71	106	48680	10.497	ug/l	96
69) o-Xylene	12.04	106	18683	4.237	ug/l	97
73) Isopropylbenzene	12.34	105	16715	1.436	ug/l	94
74) N-amyl acetate	12.13	43	8901	2.395	ug/l #	53
76) 1,2,3-Trichloropropane	12.49	75	78026	44.504	ug/l #	100
77) Bromobenzene	12.52	156	11285	4.471	ug/l #	1
78) n-propylbenzene	12.68	91	36090	2.545	ug/l	97
79) 2-Chlorotoluene	12.74	91	8334	1.048	ug/l #	47
80) 1,3,5-Trimethylbenzene	12.82	105	14720	1.527	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.49	75	78026	84.432	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.13	105	63170	6.574	ug/l	99
85) sec-Butylbenzene	13.26	105	19296	1.628	ug/l	94
89) n-Butylbenzene	13.70	91	15771	1.499	ug/l #	73
90) Hexachloroethane	13.98	117	2288	1.179	ug/l #	18
95) Naphthalene	15.24	128	12293	1.781	ug/l #	74

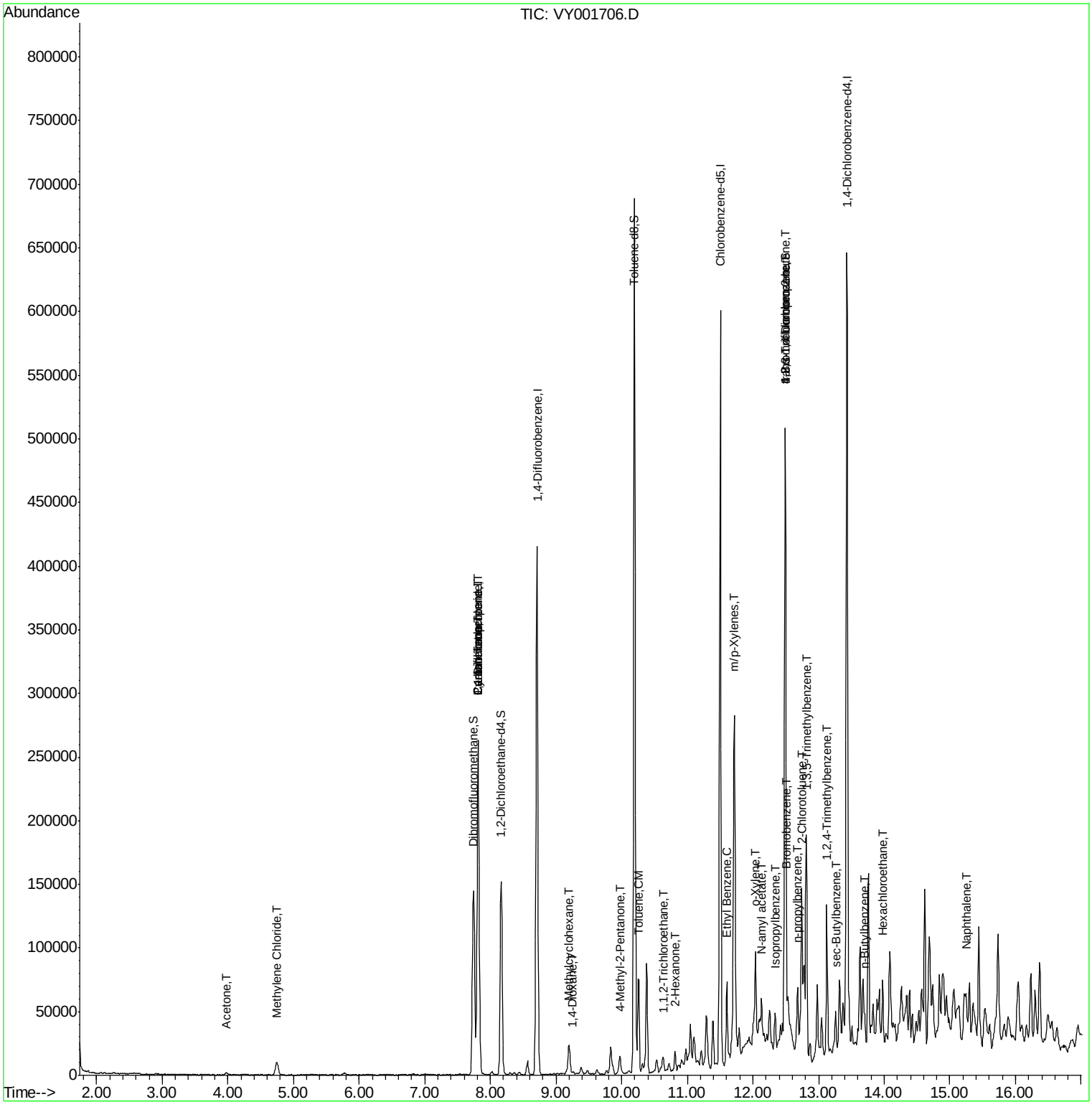
(#) = qualifier out of range (m) = manual integration (+) = signals summed

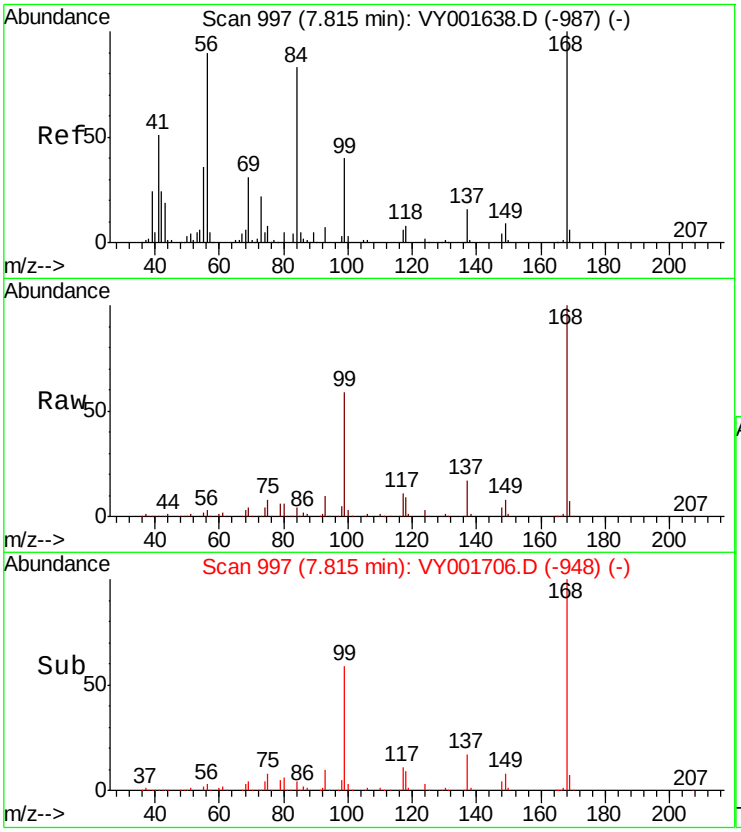
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021920\
Data File : VY001706.D
Acq On : 19 Feb 2020 17:58
Operator : SY/MD
Sample : L1589-03
Misc : 6.62G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId :

Quant Time: Feb 20 05:41:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration



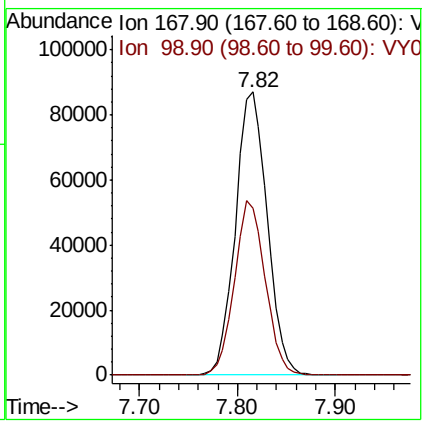


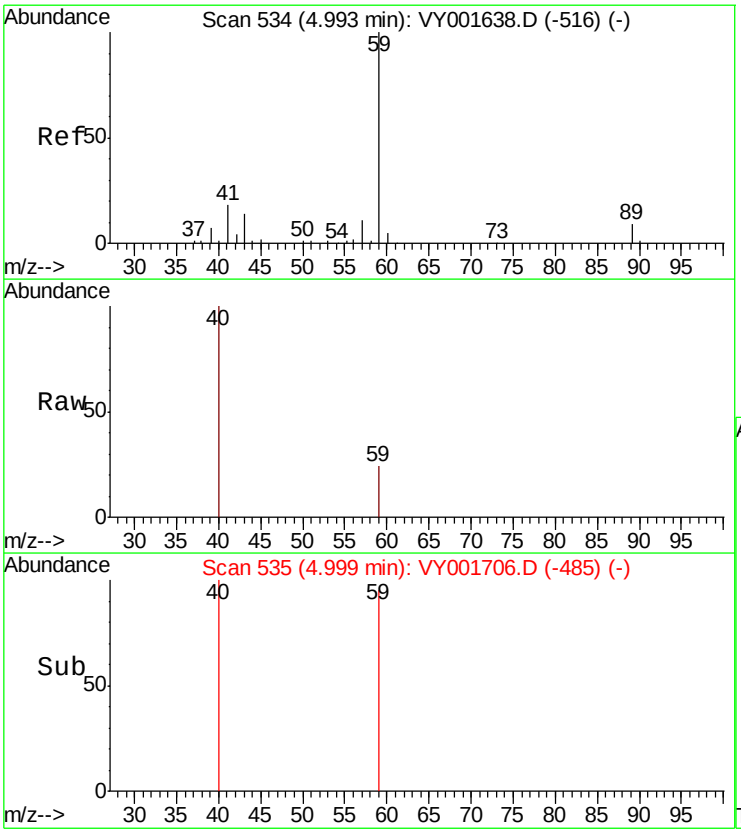
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 196881

Ion	Ratio	Lower	Upper
168	100		
99	59.0	47.5	71.3

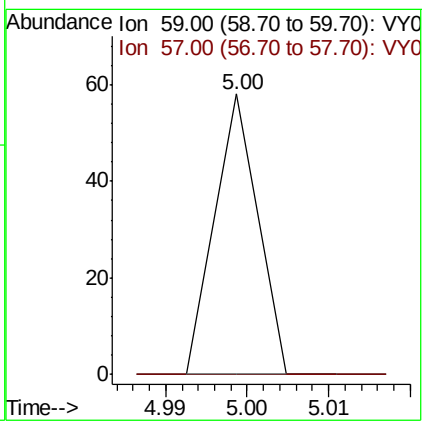


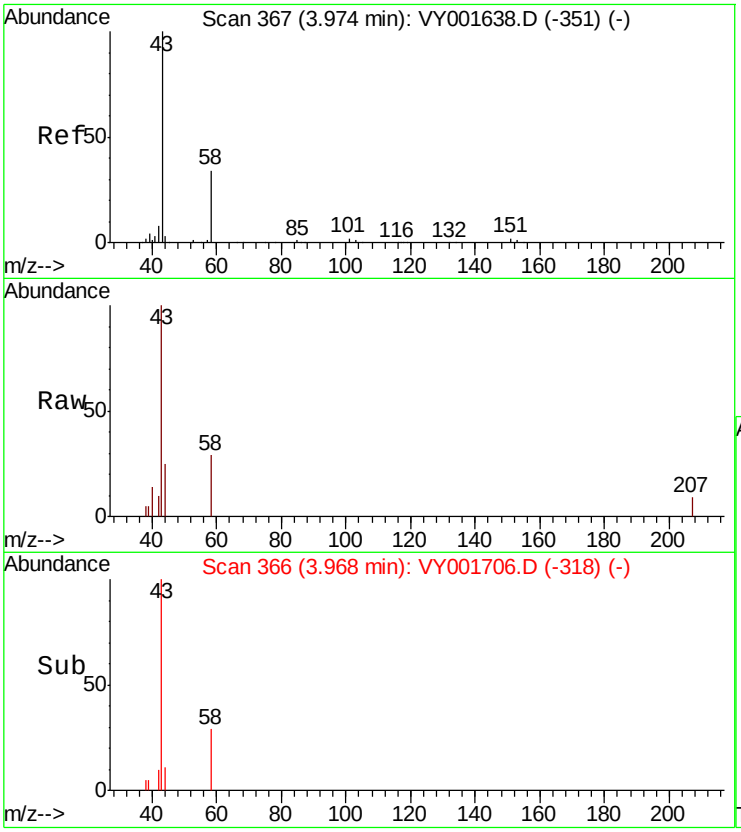


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 59 Resp: 21

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.2#



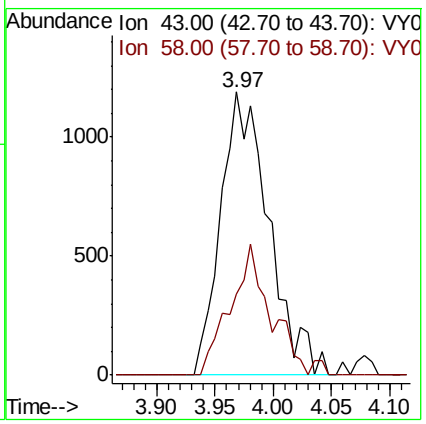


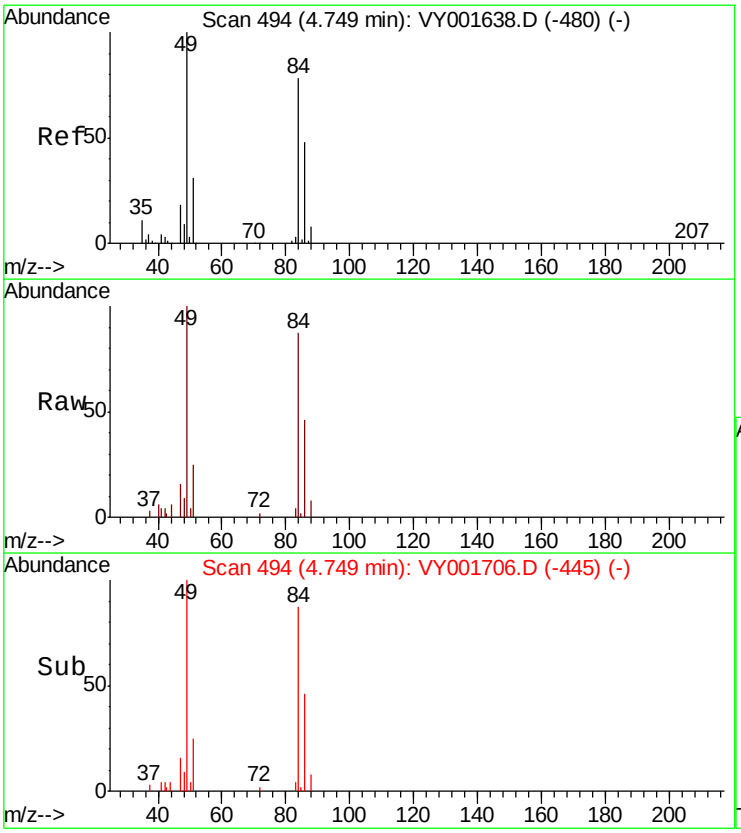
#16
Acetone
Concen: 4.641 ug/l
RT: 3.97 min Scan# 366
Delta R.T. -0.01 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 3401

Ion	Ratio	Lower	Upper
43	100		
58	28.8	27.3	40.9

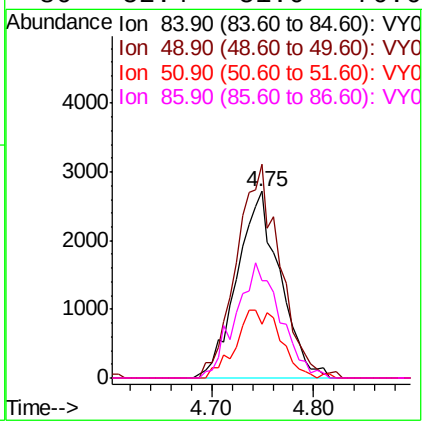


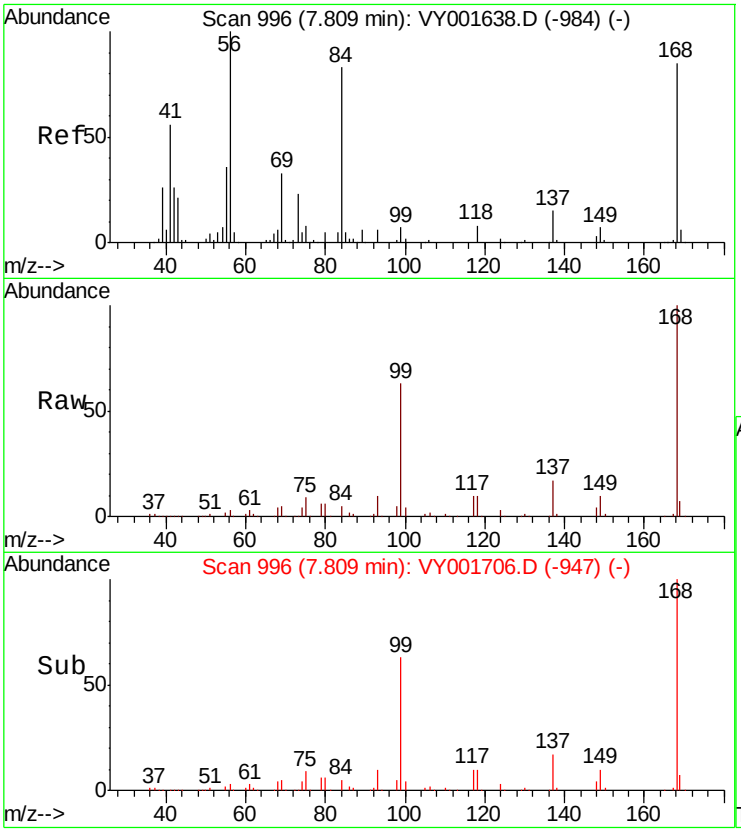


#20
Methylene Chloride
Concen: 3.062 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 84 Resp: 7969

Ion	Ratio	Lower	Upper
84	100		
49	114.6	99.2	148.8
51	28.5	31.5	47.3#
86	52.4	51.0	76.6



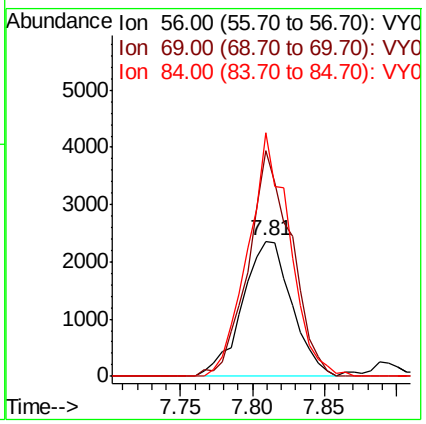


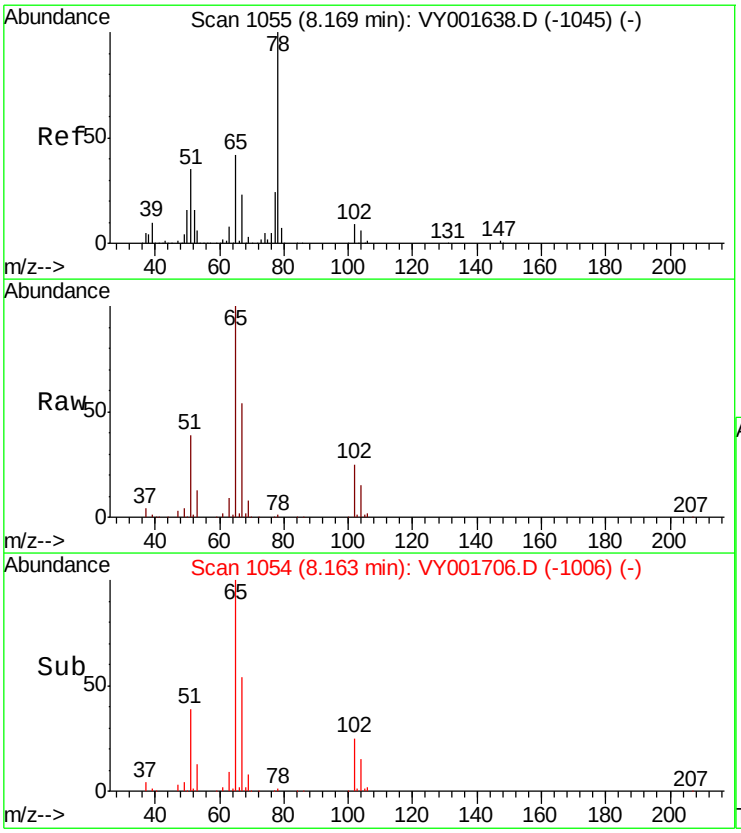
#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 5600

Ion	Ratio	Lower	Upper
56	100		
69	167.0	25.1	37.7#
84	179.9	66.9	100.3#

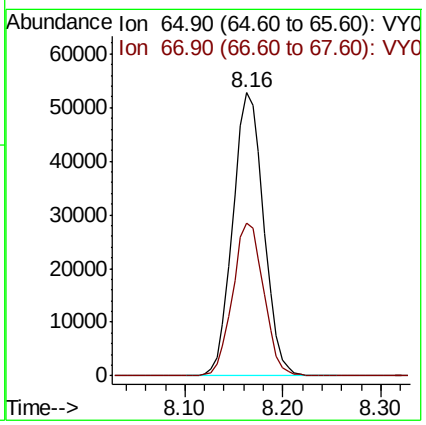


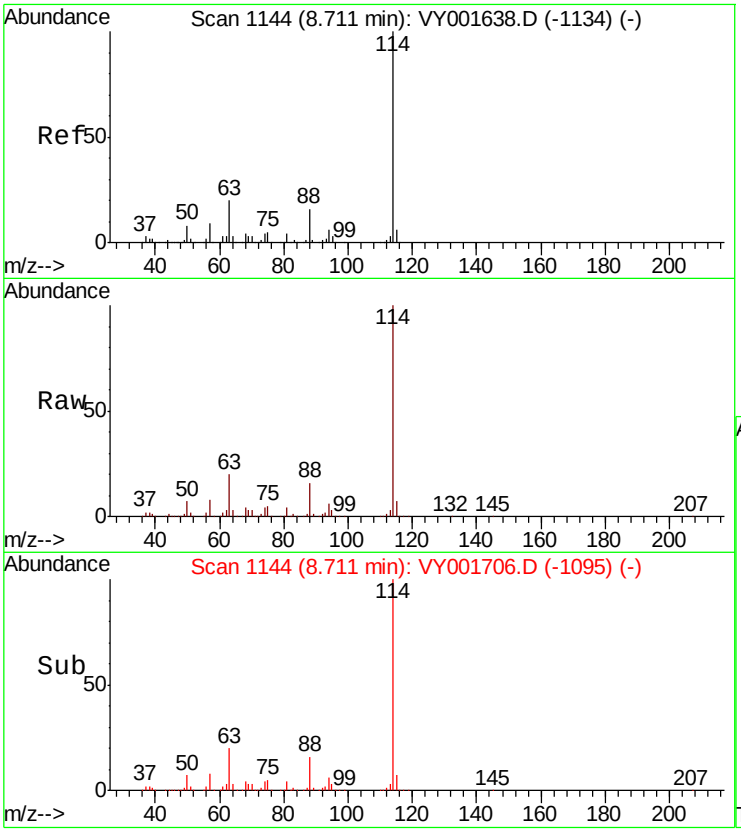


#33
1,2-Dichloroethane-d4
Concen: 54.592 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 65 Resp: 115612

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	111.0



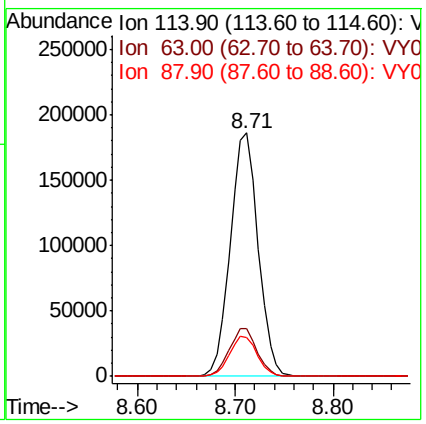


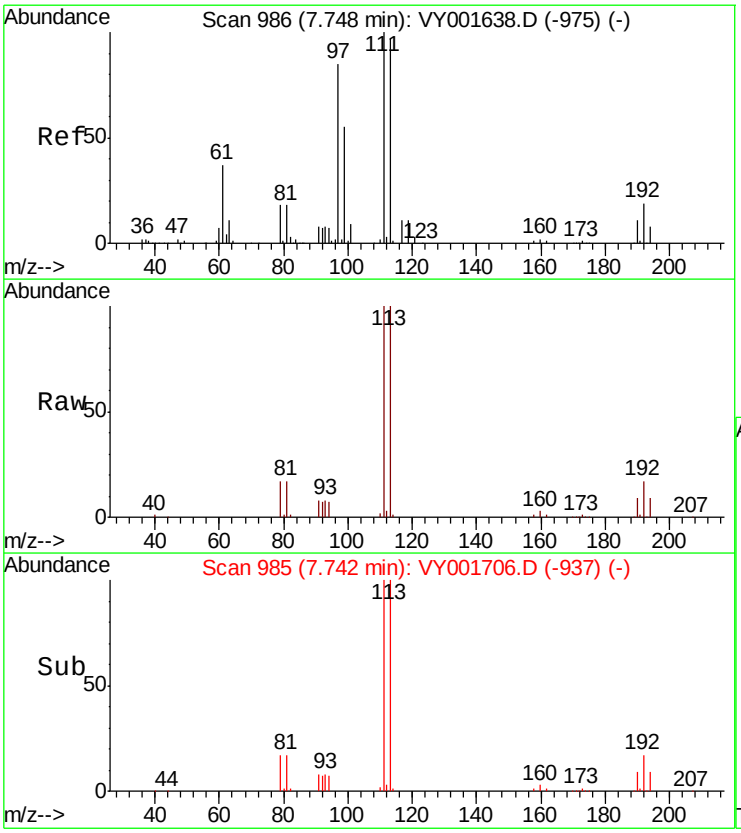
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 366751

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.4
88	15.8	0.0	32.8

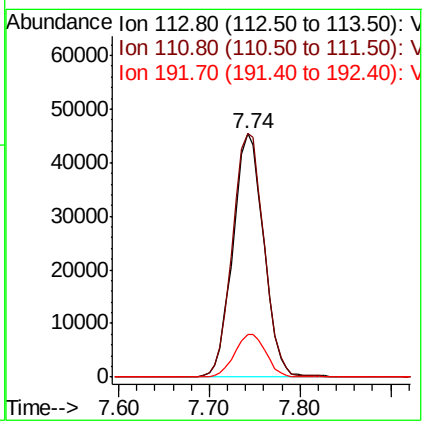


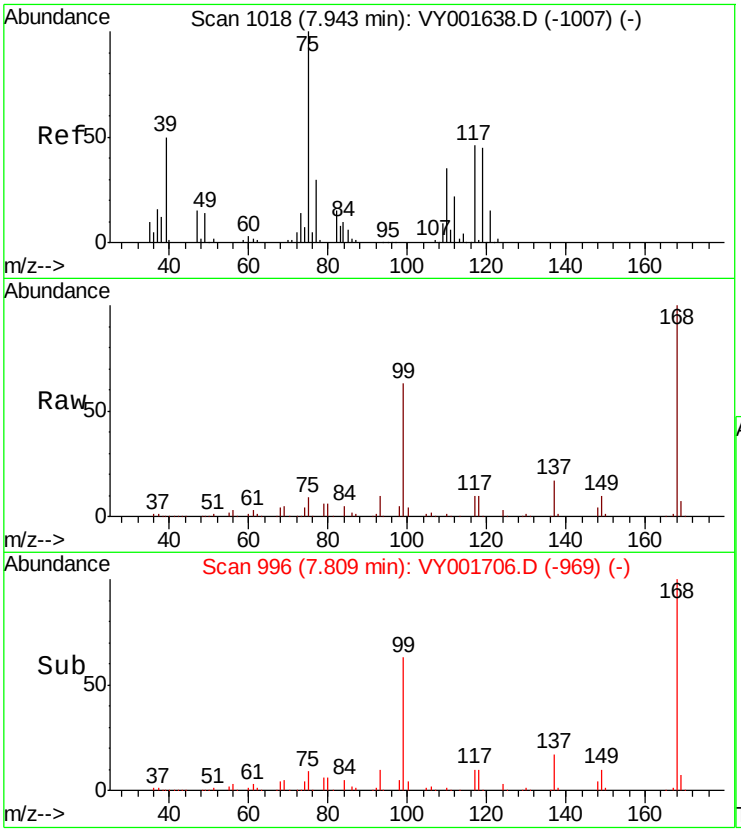


#35
Dibromofluoromethane
Concen: 51.111 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion:113 Resp: 107363

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	17.9	14.3	21.5



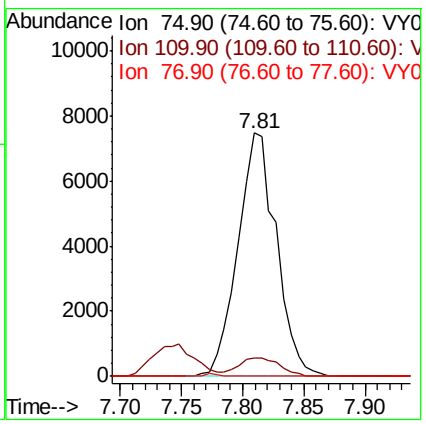


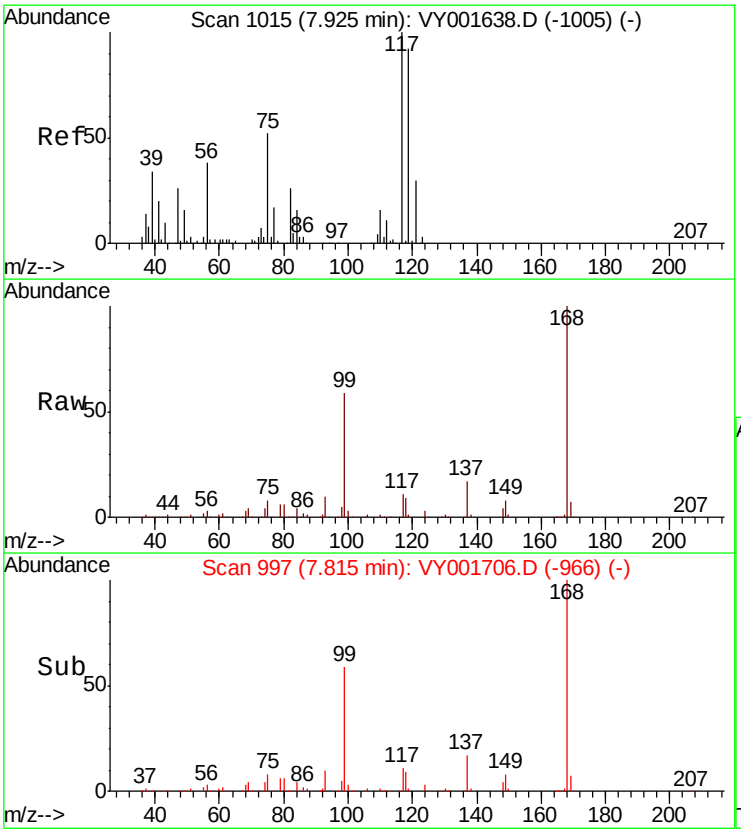
#36
1,1-Dichloropropene
Concen: 4.661 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.13 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 16329

Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.2	51.6#
77	0.0	24.8	37.2#

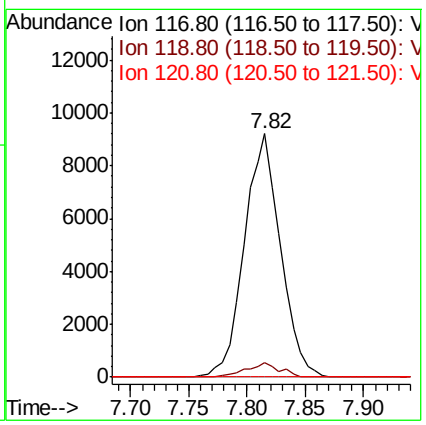


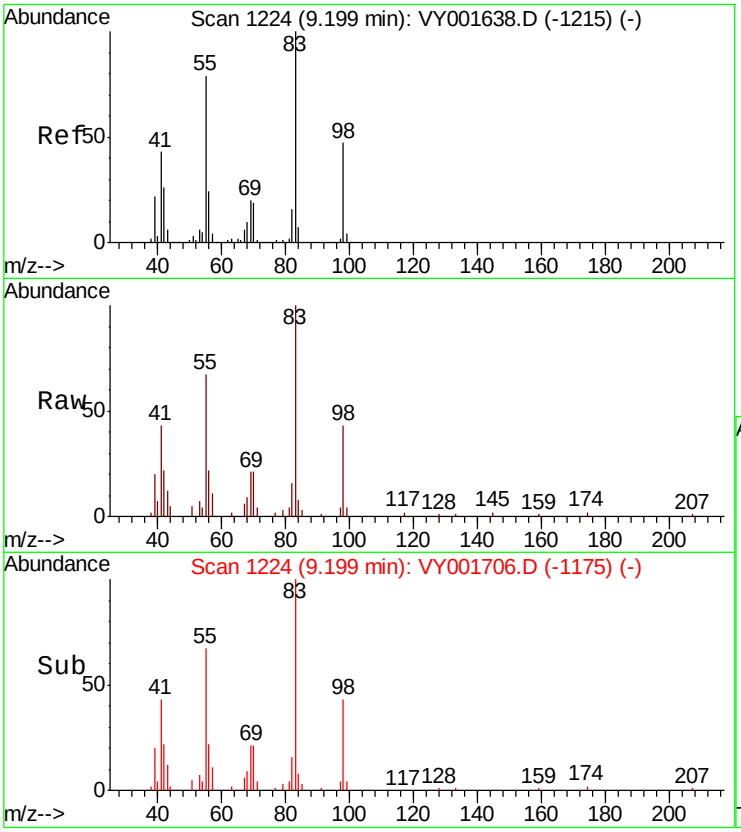


#38
Carbon Tetrachloride
Concen: 6.440 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion:117 Resp: 19816

Ion	Ratio	Lower	Upper
117	100		
119	5.7	74.8	112.2#
121	0.0	23.8	35.6#



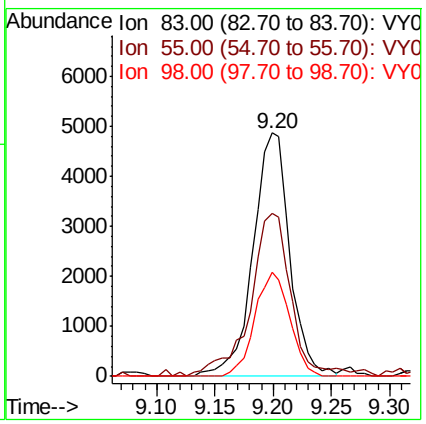


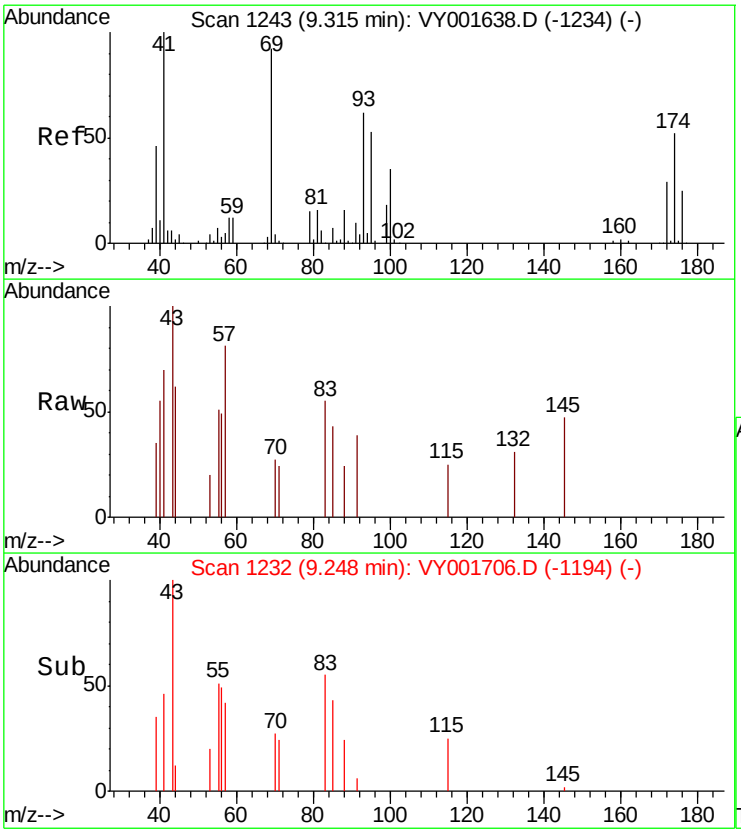
#39
Methylcyclohexane
Concen: 2.304 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 83 Resp: 10709

Ion	Ratio	Lower	Upper
83	100		
55	67.1	61.3	91.9
98	42.9	38.0	57.0

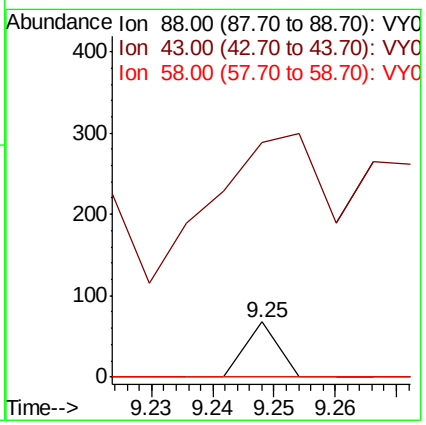


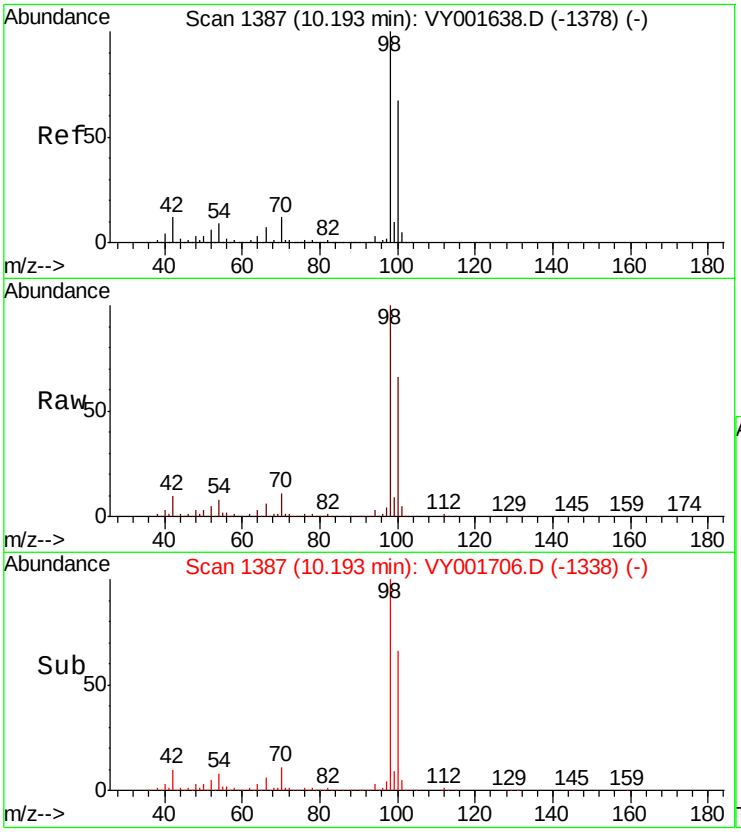


#49
1,4-Dioxane
Concen: 1.312 ug/l
RT: 9.25 min Scan# 1232
Delta R.T. -0.07 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 88 Resp: 25

Ion	Ratio	Lower	Upper
88	100		
43	900.0	23.1	34.7#
58	0.0	58.1	87.1#



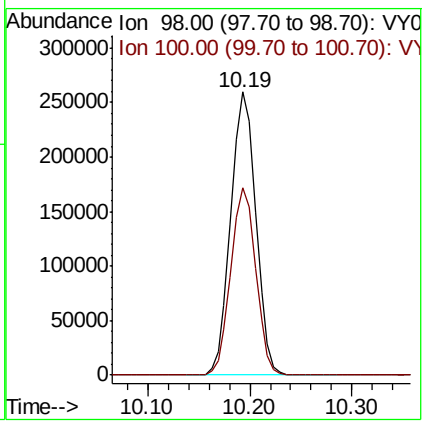


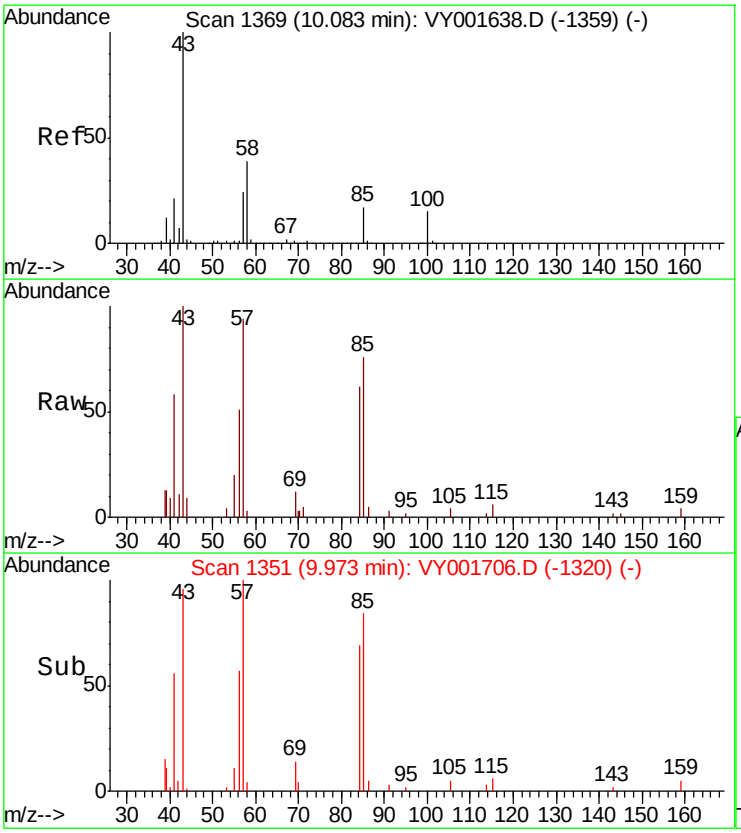
#50
Toluene-d8
Concen: 53.547 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 98 Resp: 440667

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.4

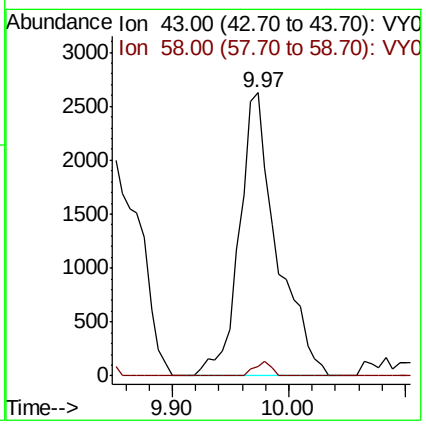


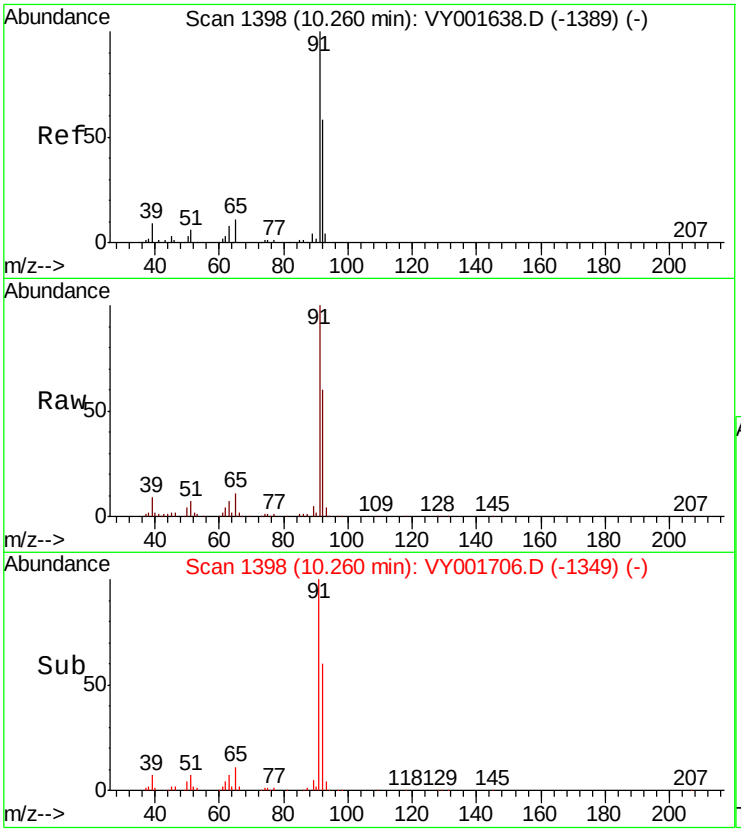


#51
4-Methyl-2-Pentanone
Concen: 2.891 ug/l
RT: 9.97 min Scan# 1351
Delta R.T. -0.11 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 43 Resp: 5892

Ion	Ratio	Lower	Upper
43	100		
58	2.3	32.2	48.4#



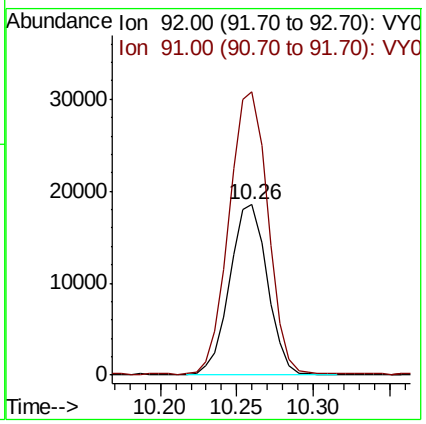


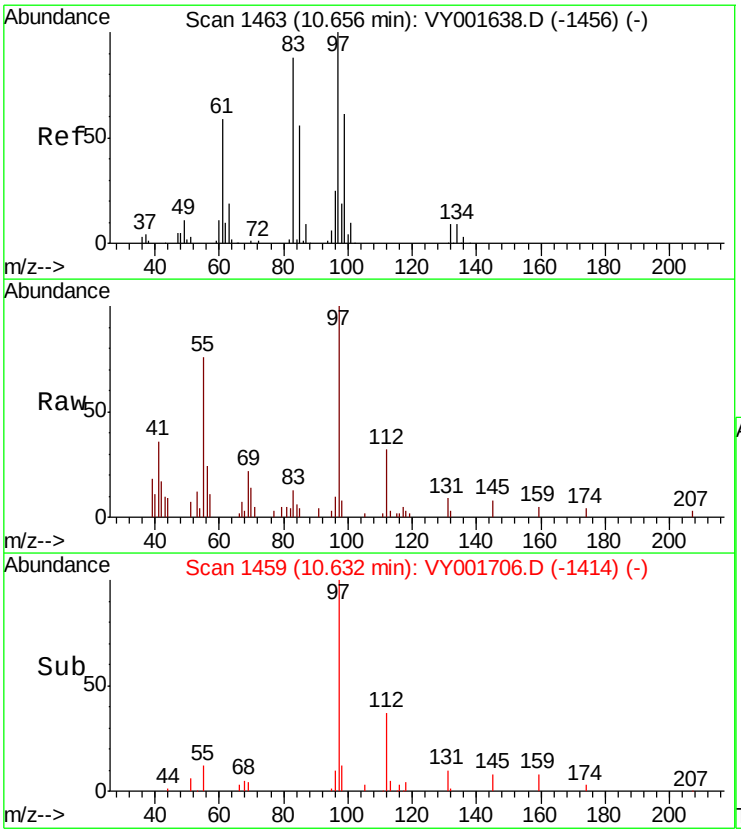
#52
Toluene
Concen: 4.930 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 92 Resp: 31685

Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.0	205.6

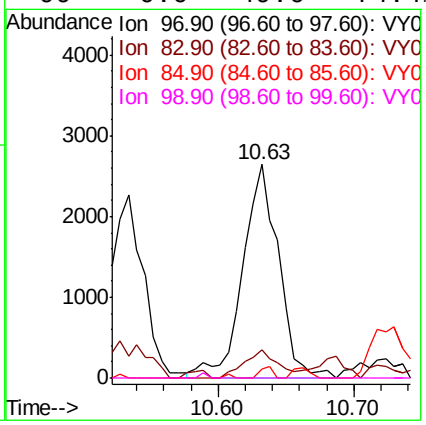


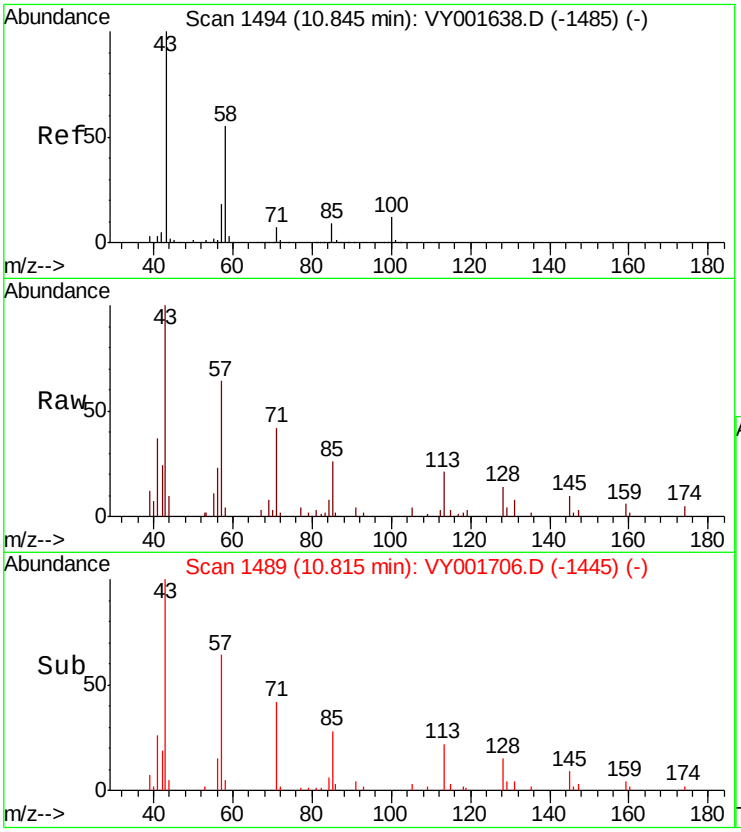


#55
1,1,2-Trichloroethane
Concen: 2.449 ug/l
RT: 10.63 min Scan# 1459
Delta R.T. -0.02 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 97 Resp: 4873

Ion	Ratio	Lower	Upper
97	100		
83	11.0	69.7	104.5#
85	4.1	44.5	66.7#
99	0.0	49.6	74.4#



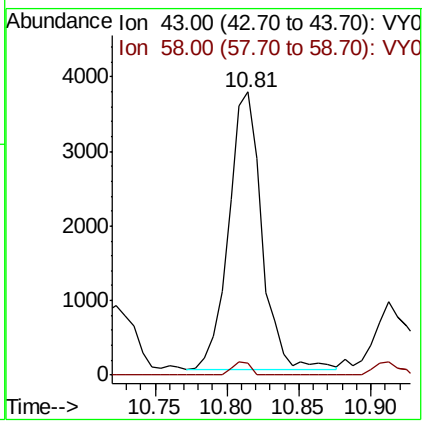


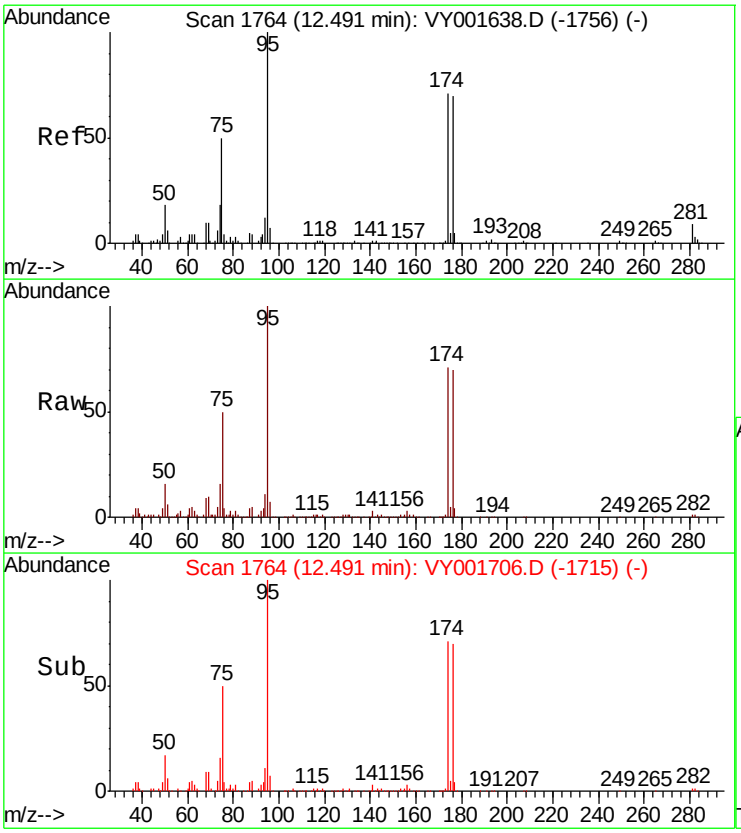
#59
2-Hexanone
Concen: 3.891 ug/l
RT: 10.81 min Scan# 1489
Delta R.T. -0.03 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 5950

Ion	Ratio	Lower	Upper
43	100		
58	2.7	28.4	85.2#

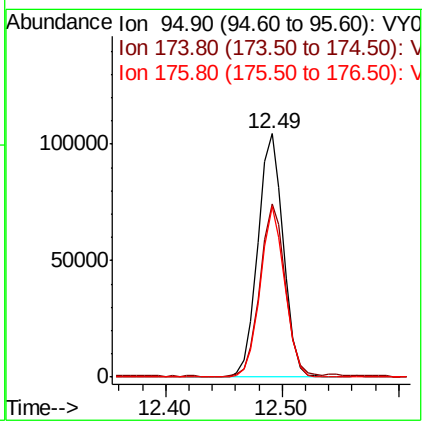


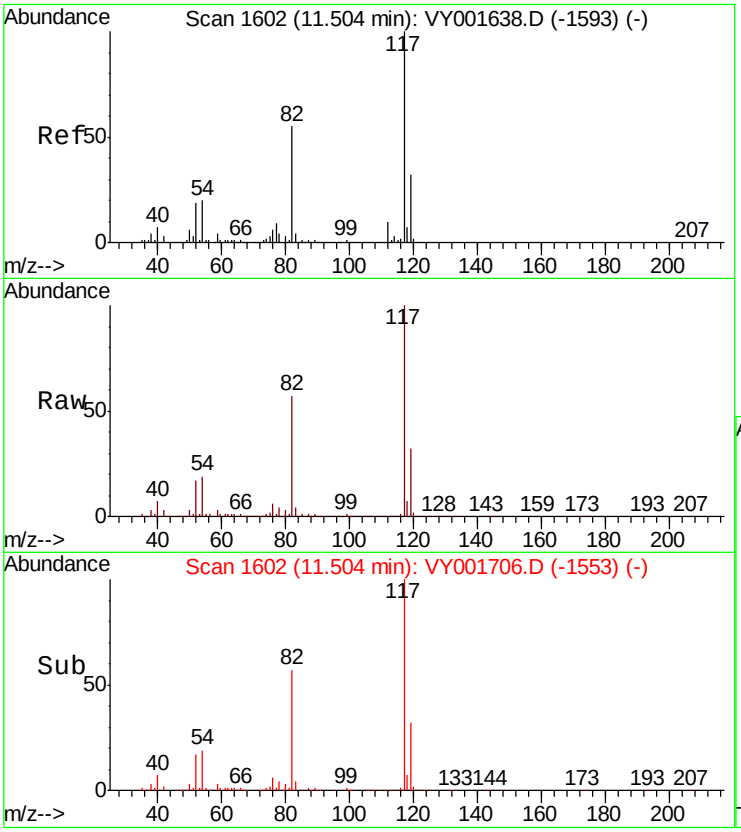


#62
4-Bromofluorobenzene
Concen: 49.468 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 95 Resp: 158154

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	138.4
176	68.0	0.0	131.8



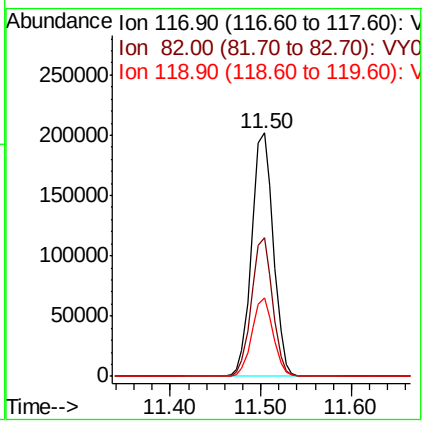


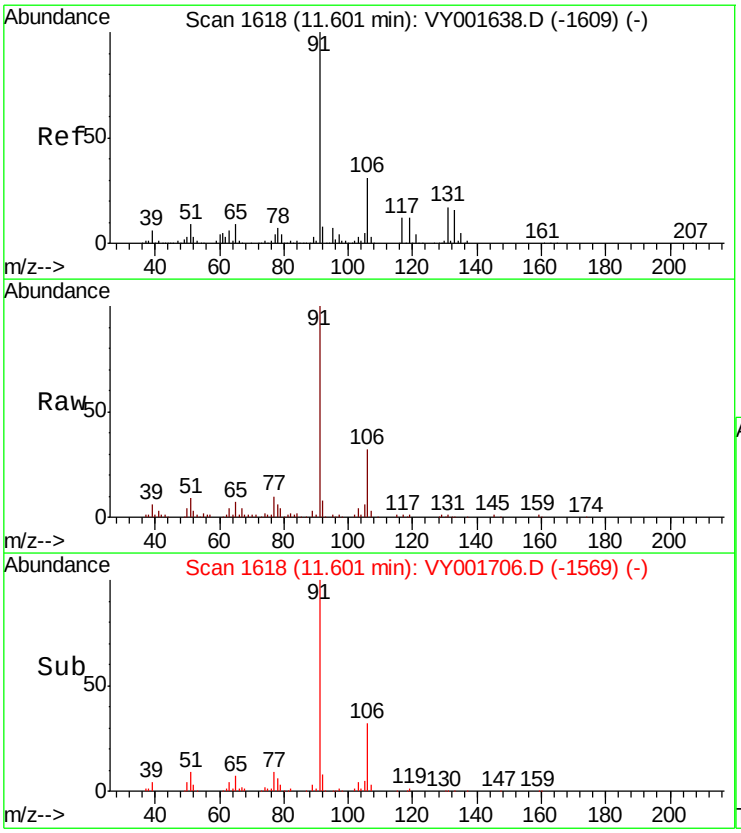
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument : MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 335094

Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.5	68.3
119	32.2	25.8	38.6

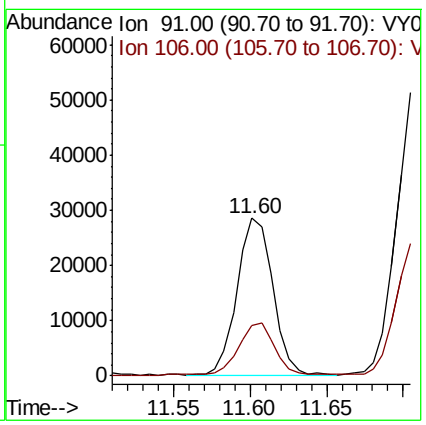


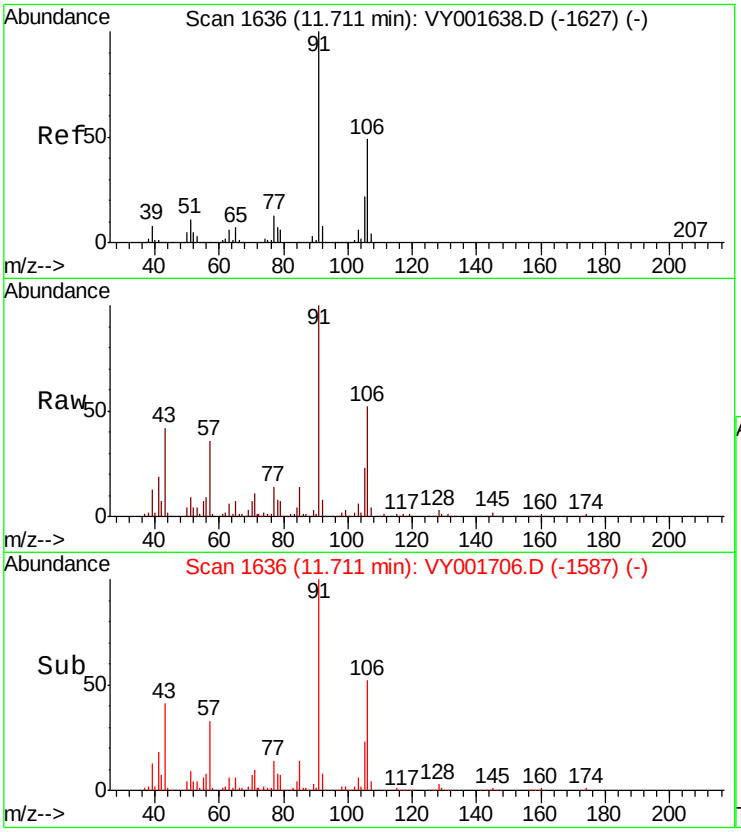


#67
Ethyl Benzene
Concen: 3.702 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 91 Resp: 45961

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.5	36.7



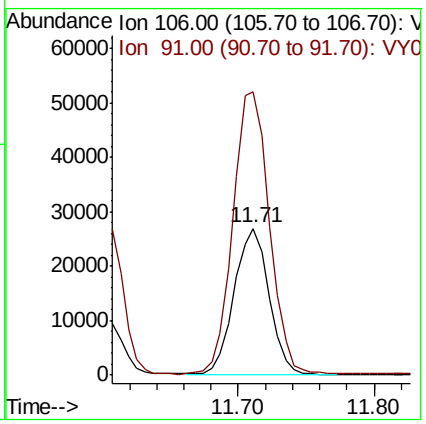


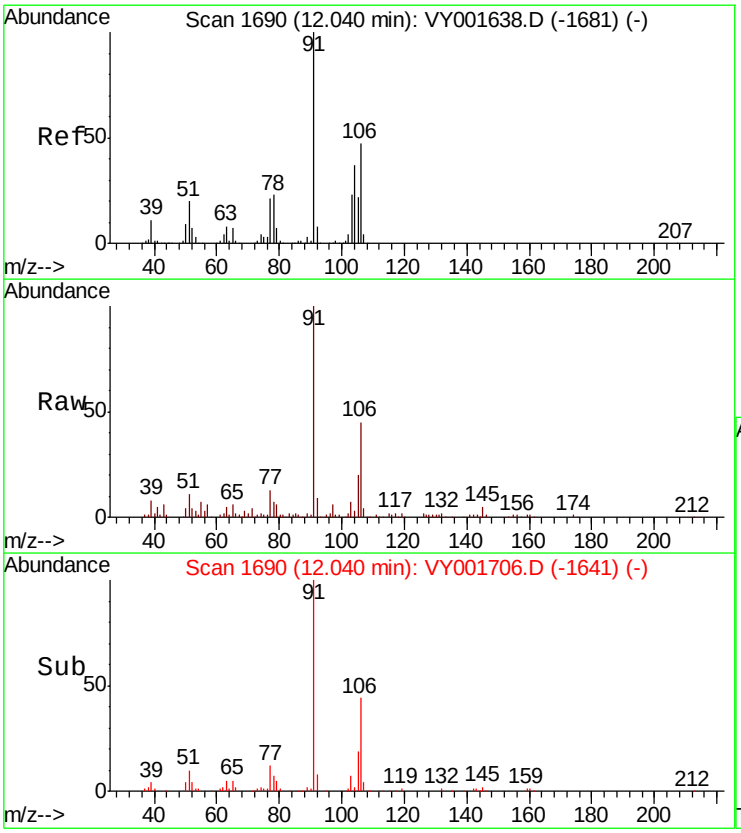
#68
m/p-Xylenes
Concen: 10.497 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:106 Resp: 48680

Ion	Ratio	Lower	Upper
106	100		
91	198.6	163.3	244.9

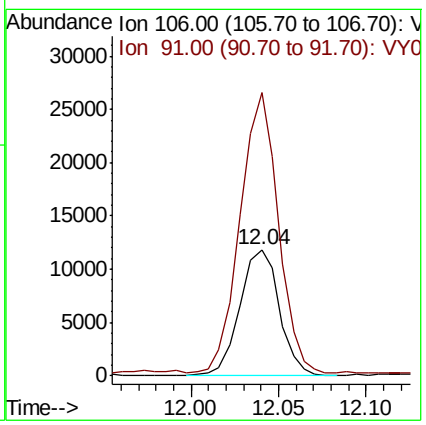


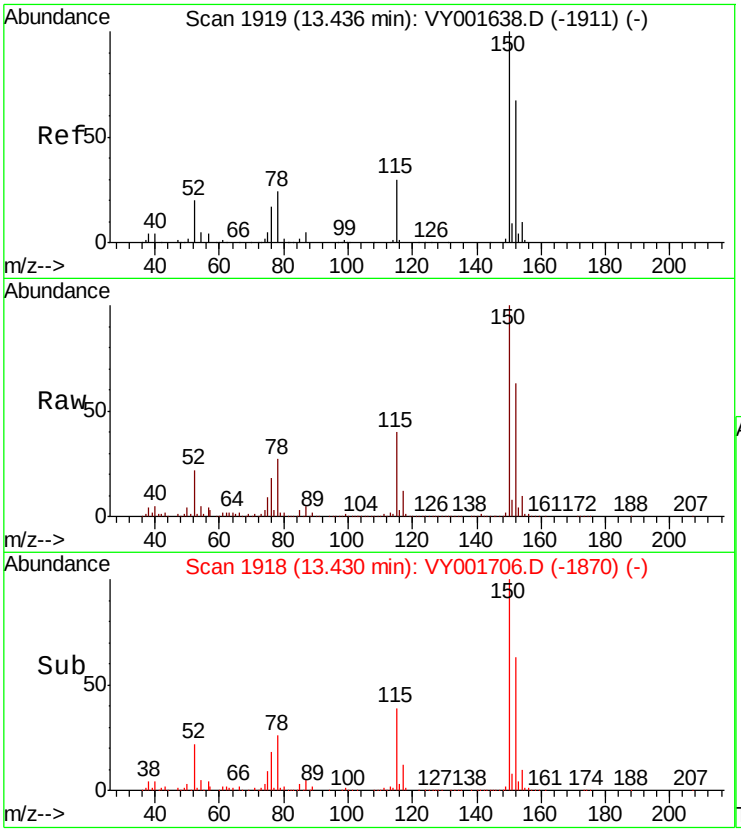


#69
o-Xylene
Concen: 4.237 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion:106 Resp: 18683

Ion	Ratio	Lower	Upper
106	100		
91	212.2	108.3	324.9



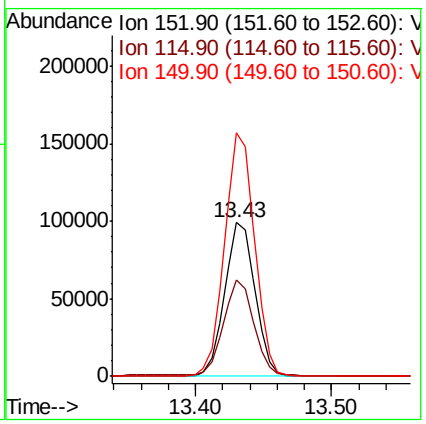


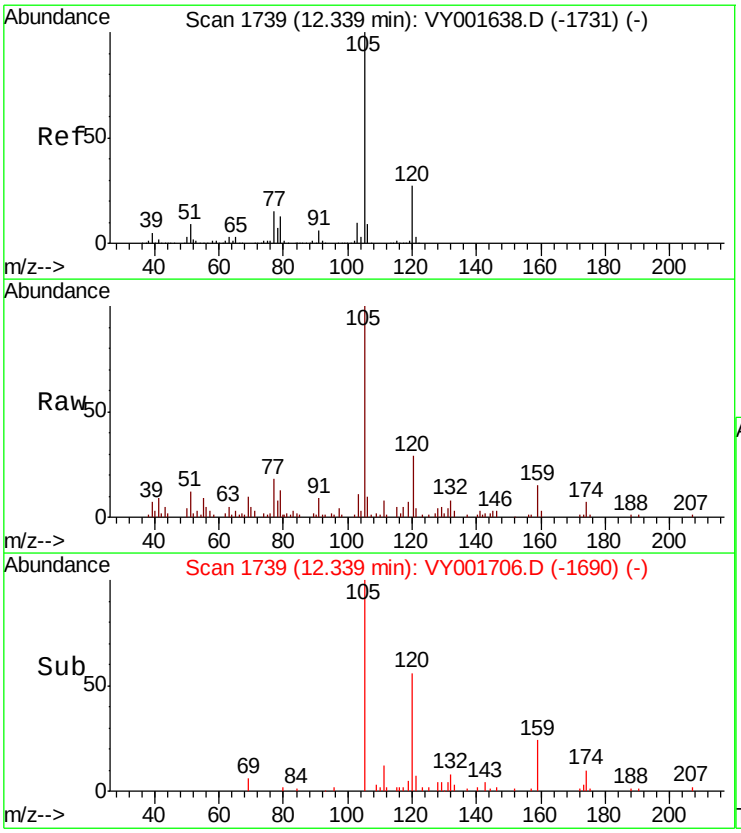
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:152 Resp: 152836

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.4	94.2
150	157.3	0.0	407.2

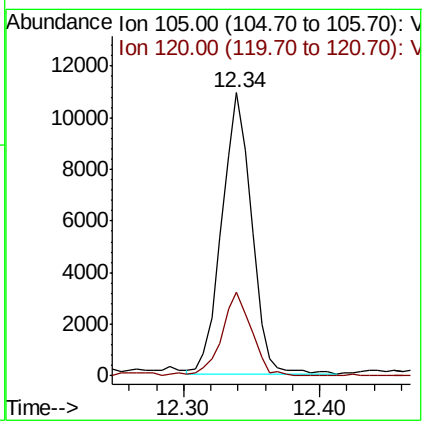


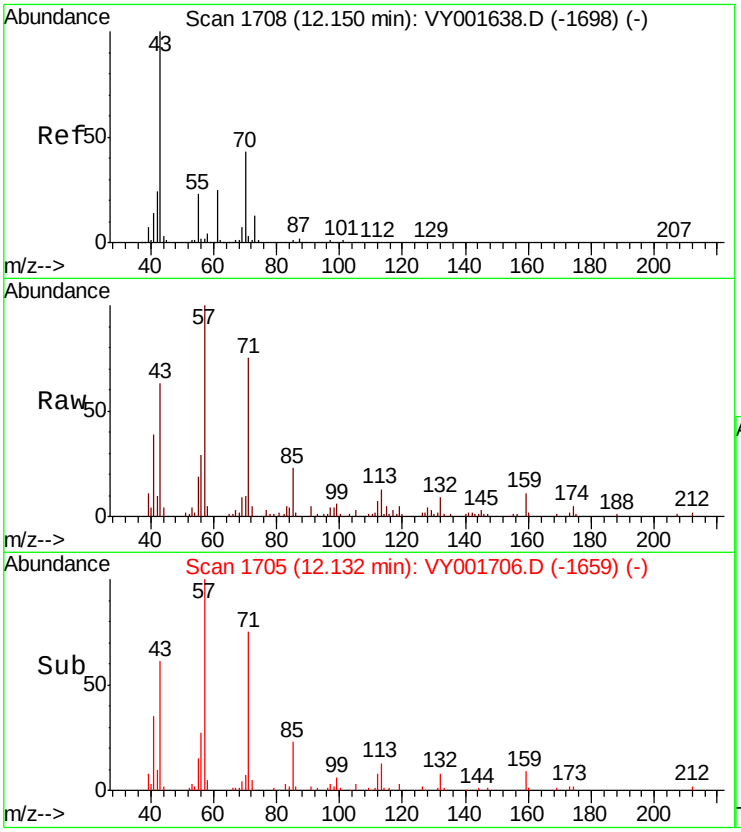


#73
Isopropylbenzene
Concen: 1.436 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion:105 Resp: 16715

Ion	Ratio	Lower	Upper
105	100		
120	29.9	13.4	40.1



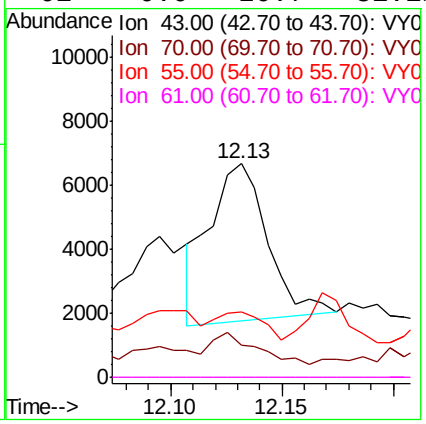


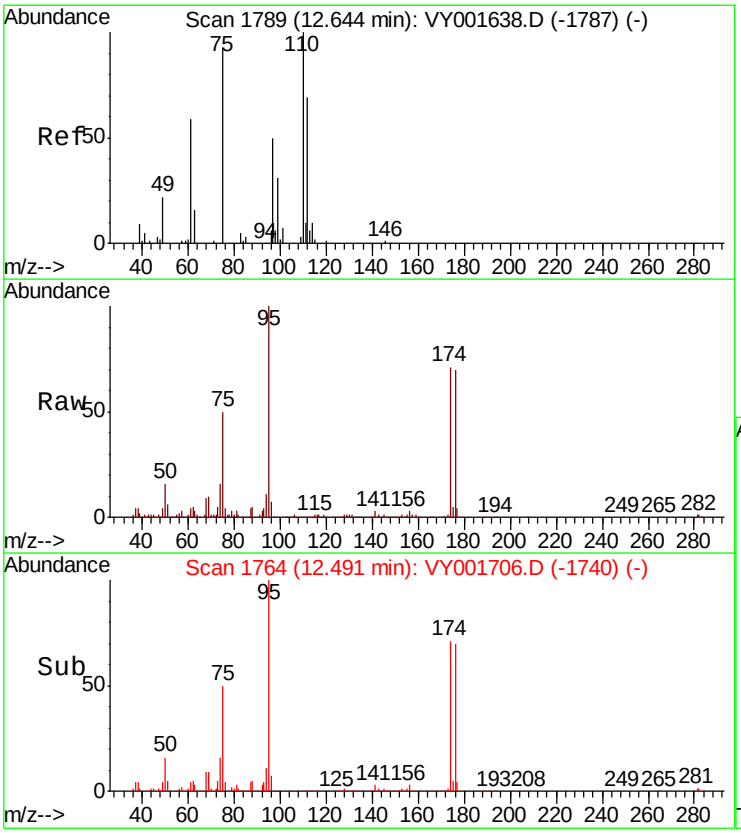
#74
N-amyl acetate
Concen: 2.395 ug/l
RT: 12.13 min Scan# 1705
Delta R.T. -0.02 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 8901

Ion	Ratio	Lower	Upper
43	100		
70	15.1	35.9	53.9#
55	0.0	18.3	27.5#
61	0.0	20.7	31.1#

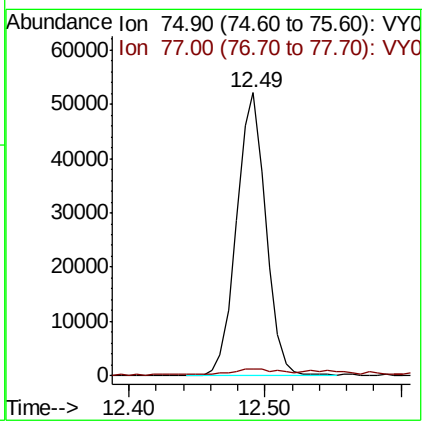


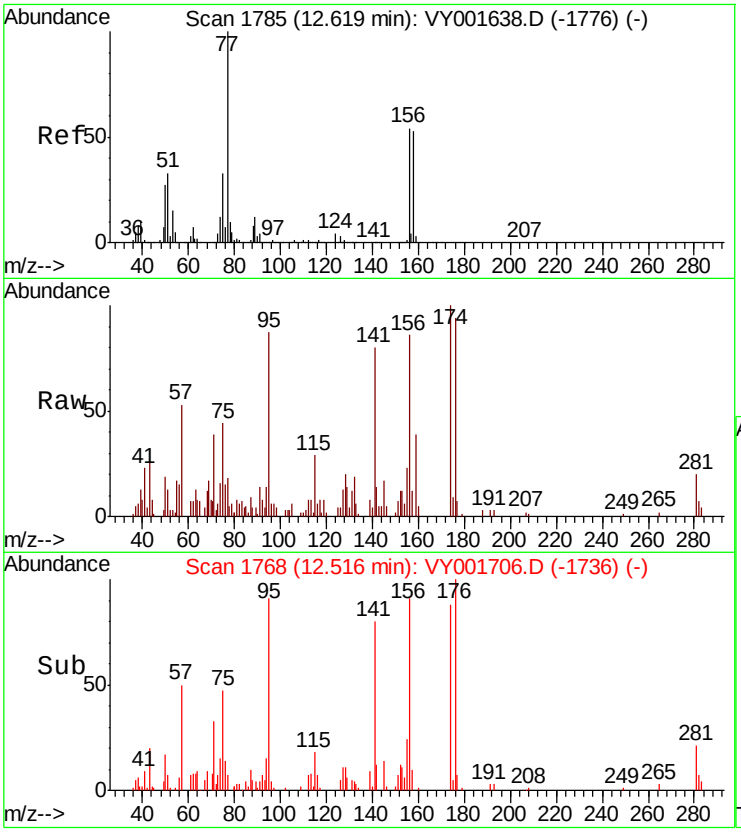


#76
1,2,3-Trichloropropane
Concen: 44.504 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 75 Resp: 78026

Ion	Ratio	Lower	Upper
75	100		
77	2.9	0.0	0.0#



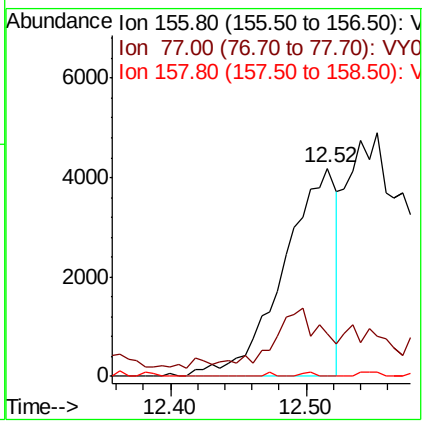


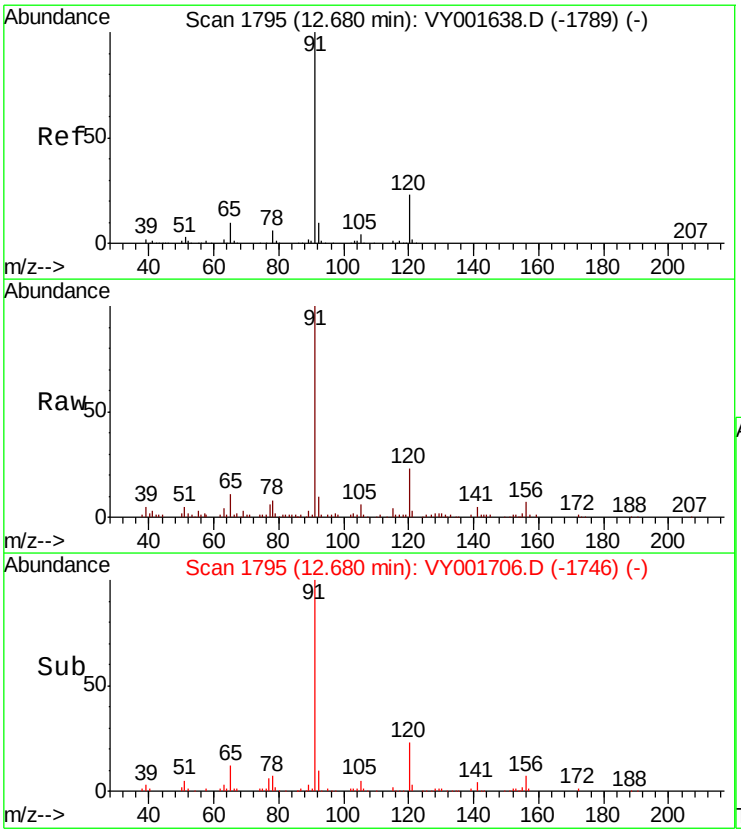
#77
Bromobenzene
Concen: 4.471 ug/l
RT: 12.52 min Scan# 1768
Delta R.T. -0.10 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:156 Resp: 11285

Ion	Ratio	Lower	Upper
156	100		
77	20.0	110.1	330.1#
158	0.5	47.9	143.7#

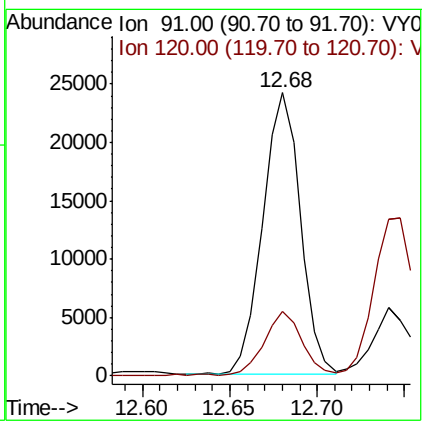


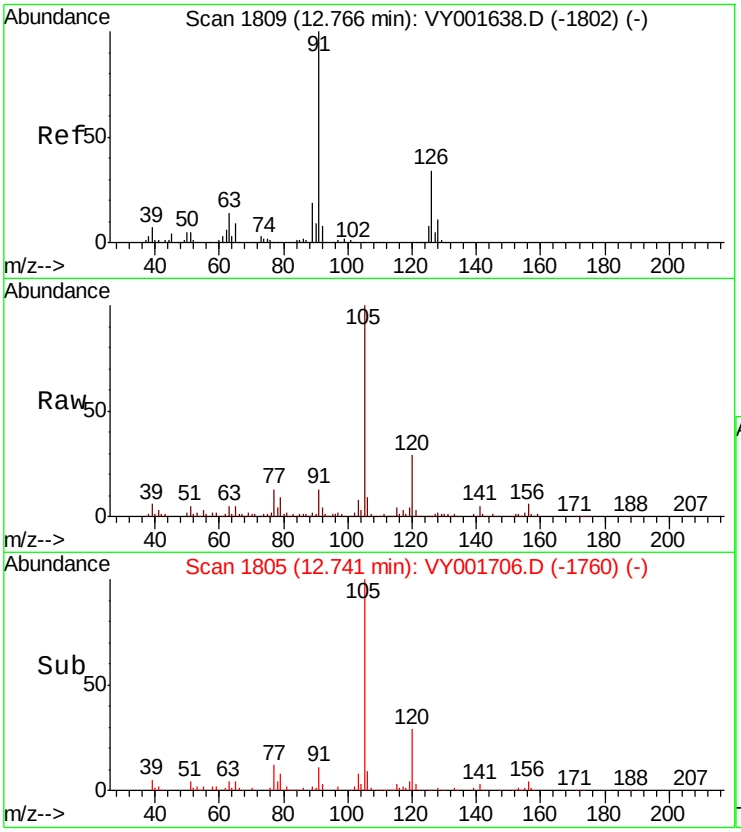


#78
n-propylbenzene
Concen: 2.545 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 91 Resp: 36090

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.1	33.1



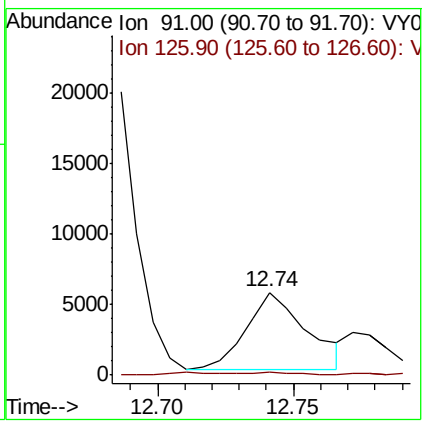


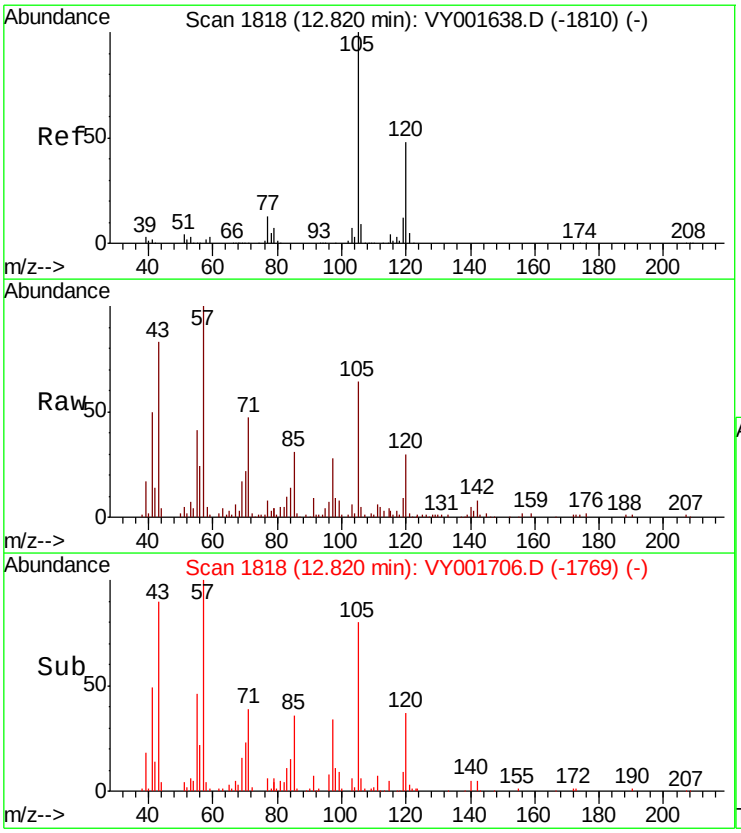
#79
2-Chlorotoluene
Concen: 1.048 ug/l
RT: 12.74 min Scan# 1805
Delta R.T. -0.02 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 8334

Ion	Ratio	Lower	Upper
91	100		
126	2.6	16.2	48.6#

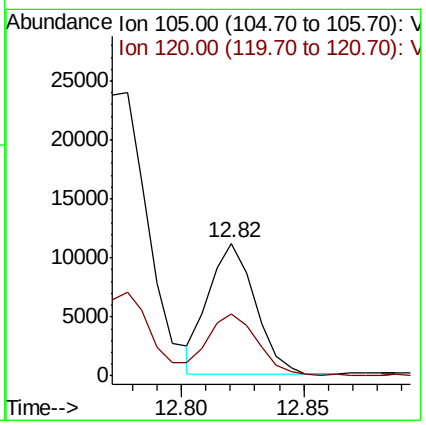


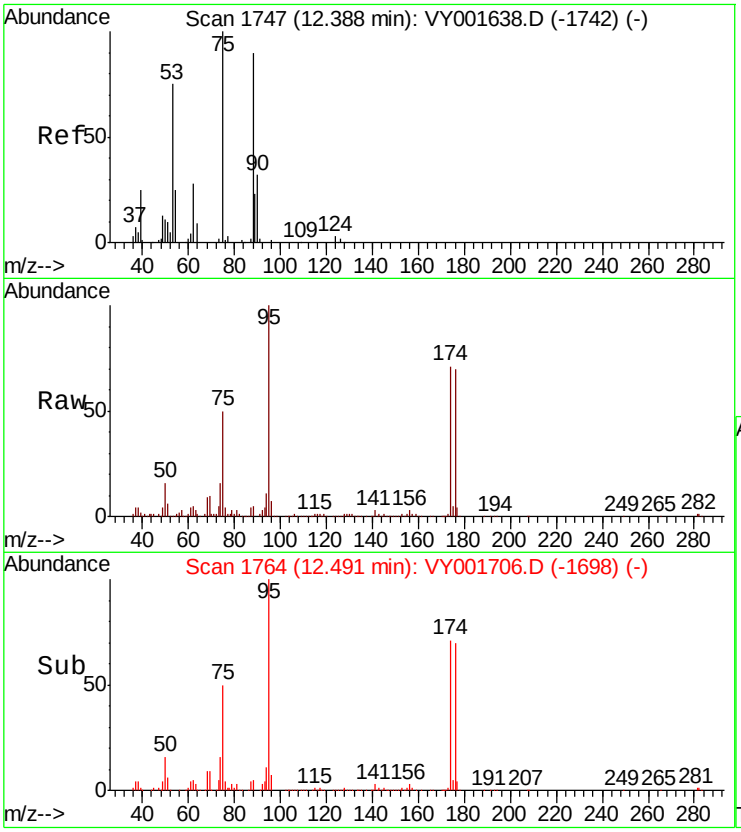


#80
1,3,5-Trimethylbenzene
Concen: 1.527 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion:105 Resp: 14720

Ion	Ratio	Lower	Upper
105	100		
120	50.5	24.3	72.9



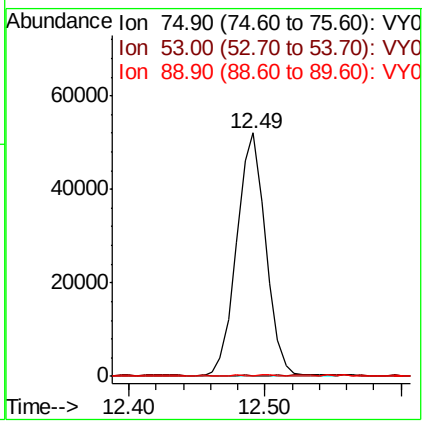


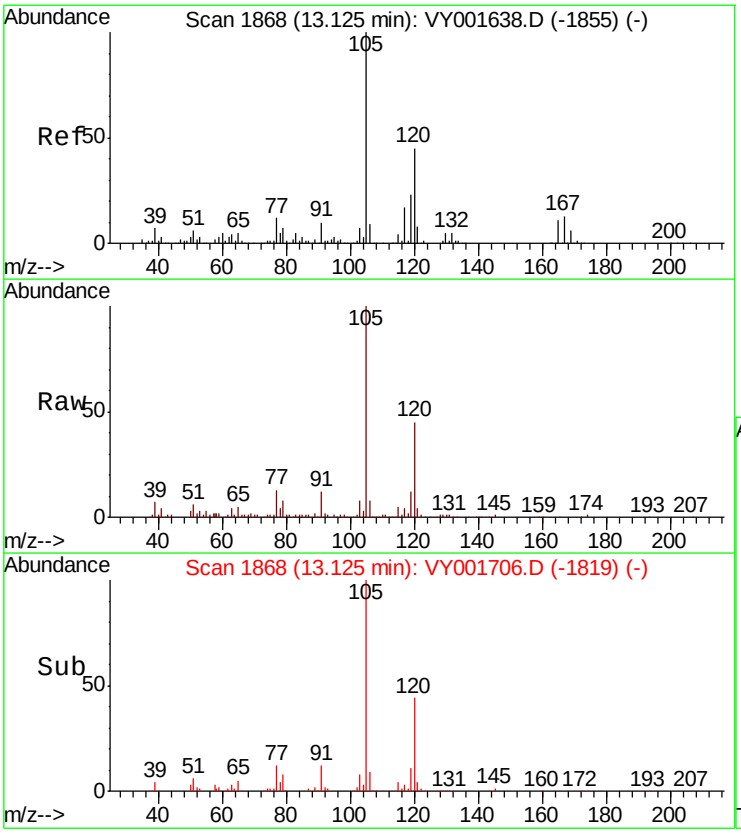
#81
trans-1,4-Dichloro-2-butene
Concen: 84.432 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.10 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 78026

Ion	Ratio	Lower	Upper
75	100		
53	0.1	64.5	96.7#
89	0.6	36.3	54.5#

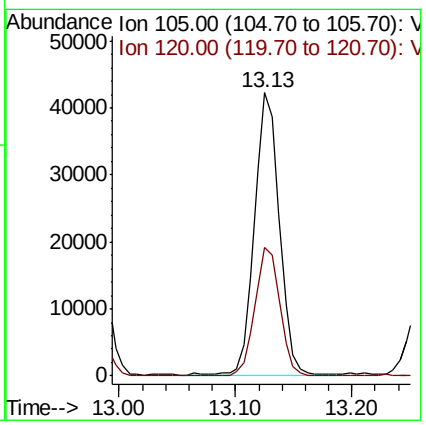


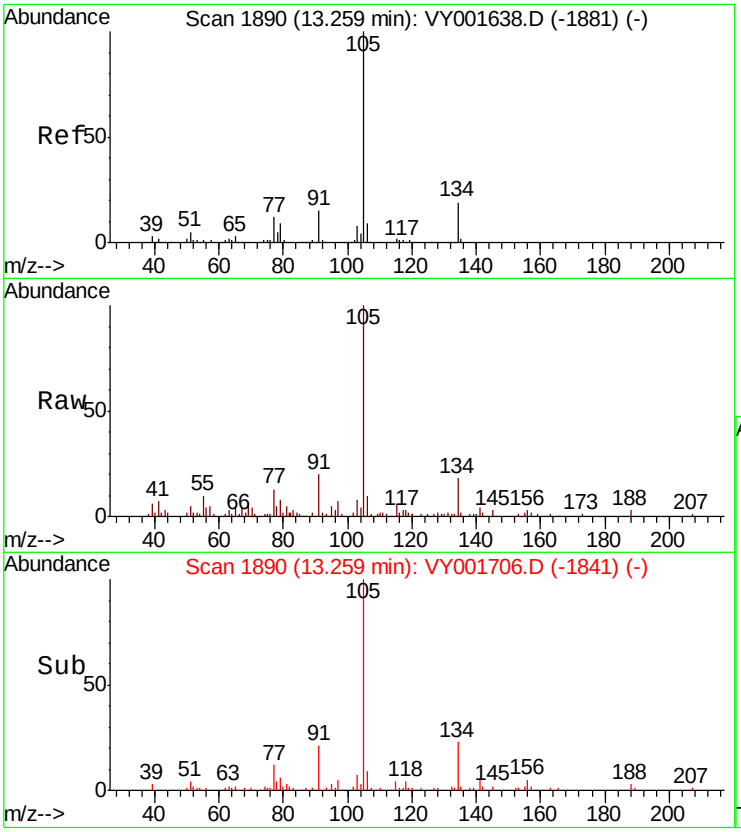


#84
1,2,4-Trimethylbenzene
Concen: 6.574 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion:105 Resp: 63170

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.4	67.3



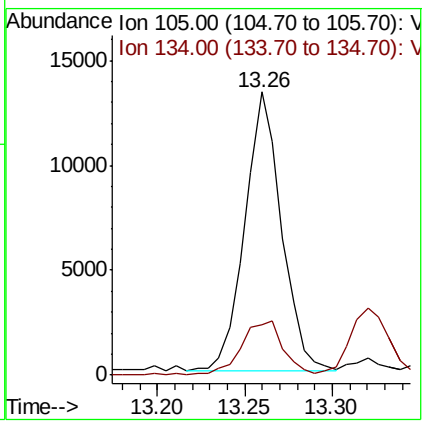


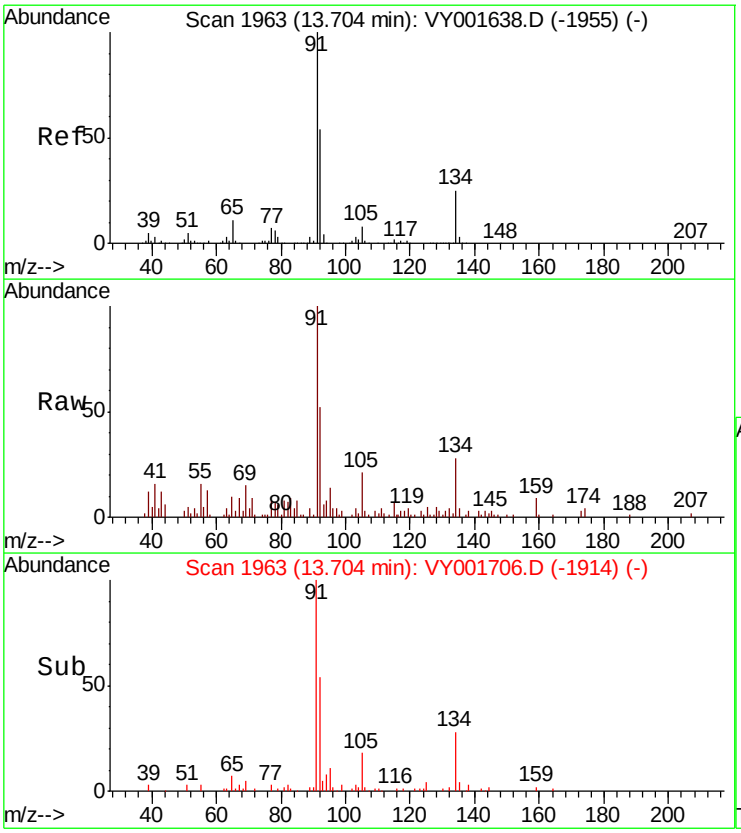
#85
sec-Butylbenzene
Concen: 1.628 ug/l
RT: 13.26 min Scan# 1890
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 19296

Ion	Ratio	Lower	Upper
105	100		
134	22.4	9.8	29.3

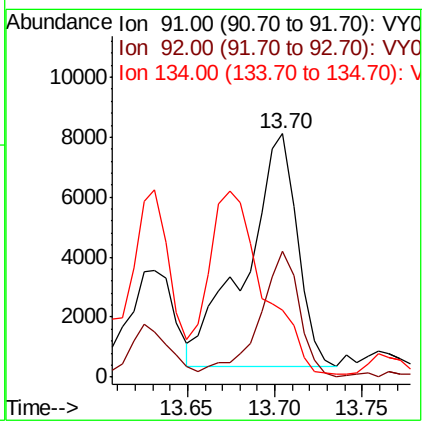


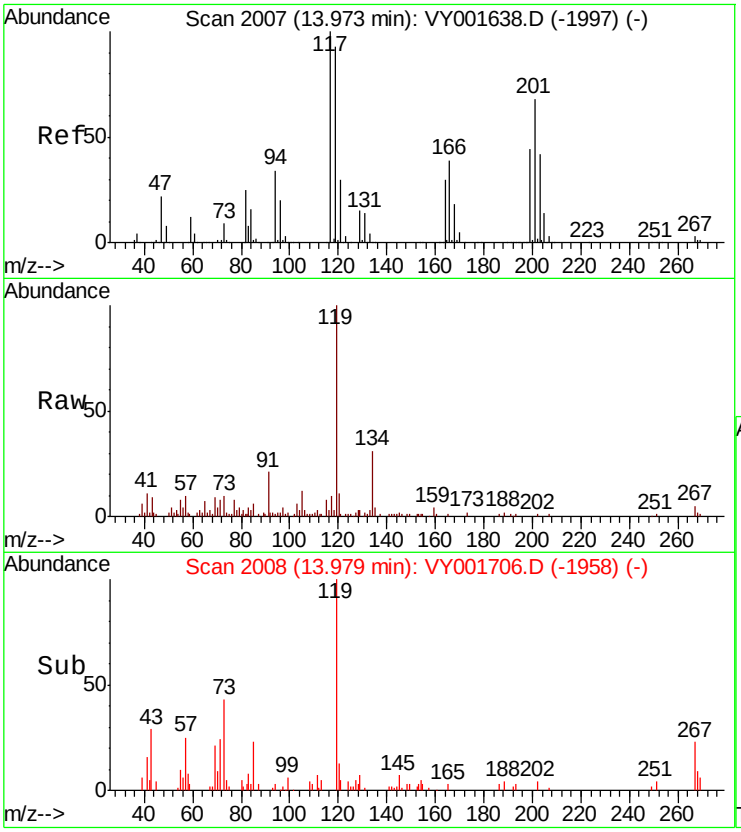


#89
n-Butylbenzene
Concen: 1.499 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 91 Resp: 15771

Ion	Ratio	Lower	Upper
91	100		
92	42.9	27.5	82.4
134	0.0	12.4	37.4#



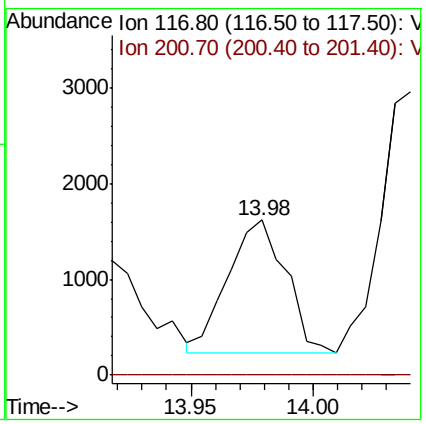


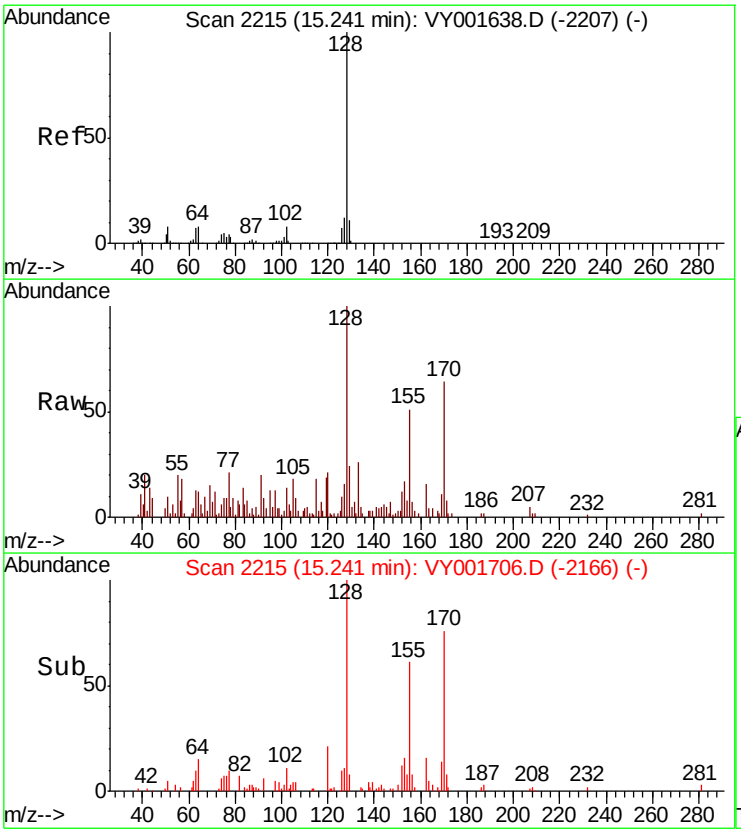
#90
Hexachloroethane
Concen: 1.179 ug/l
RT: 13.98 min Scan# 2008
Delta R.T. 0.01 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 2288

Ion	Ratio	Lower	Upper
117	100		
201	0.0	32.5	97.4#





#95
Naphthalene
Concen: 1.781 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001706.D
Acq: 19 Feb 2020 17:58

Tgt Ion:128 Resp: 12293

Ion	Ratio	Lower	Upper
128	100		
127	23.3	9.9	14.9#
129	19.9	8.6	13.0#