Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
Data File : VY002019.D
Acq On : 19 Mar 2020 14:21
Operator : SY/MD
Sample : L1978-10
Misc : 5.12G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId :

Quant Time: Mar 20 01:57:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	4798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	10022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	9737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	4197	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	3759	73.39	ug/l	0.00
Spiked Amount 50.000			Recovery = 146.78%			
35) Dibromofluoromethane	7.74	113	3096	56.57	ug/l	-0.01
Spiked Amount 50.000			Recovery = 113.14%			
50) Toluene-d8	10.19	98	12006	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery = 104.06%			
62) 4-Bromofluorobenzene	12.49	95	4332	53.99	ug/l	0.00
Spiked Amount 50.000			Recovery = 107.98%			
Target Compounds						Qvalue
3) Chloromethane	2.13	50	178	2.981	ug/l #	42
5) Bromomethane	2.68	94	275	2.151	ug/l #	60
10) Methyl Iodide	4.13	142	457	7.459	ug/l #	83
15) Acrylonitrile	5.20	53	27	1.556	ug/l #	18
16) Acetone	3.96	43	541	36.263	ug/l #	42
20) Methylene Chloride	4.75	84	433	6.772	ug/l #	43
25) 2-Butanone	7.02	43	463	20.408	ug/l #	49
36) 1,1-Dichloropropene	7.81	75	464	4.811	ug/l #	42
44) Trichloroethene	8.96	130	364	5.229	ug/l	75
51) 4-Methyl-2-Pentanone	10.09	43	184	3.366	ug/l #	35
59) 2-Hexanone	10.80	43	49	1.256	ug/l #	23
68) m/p-Xylenes	11.72	106	240	1.794	ug/l	82
74) N-amyl acetate	12.13	43	1915	19.448	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.58	83	407	5.891	ug/l #	75
76) 1,2,3-Trichloropropane	12.49	75	2208	44.337	ug/l #	100
79) 2-Chlorotoluene	12.86	91	350	1.603	ug/l	83
81) trans-1,4-Dichloro-2-buten	12.49	75	2208	89.559	ug/l #	18
82) 4-Chlorotoluene	12.86	91	350	1.539	ug/l	82
84) 1,2,4-Trimethylbenzene	13.13	105	283	1.081	ug/l #	31
88) 1,4-Dichlorobenzene	13.45	146	226	1.675	ug/l #	1
89) n-Butylbenzene	13.70	91	800	2.768	ug/l #	49
93) 1,2,4-Trichlorobenzene	15.02	180	410	5.232	ug/l #	11
94) Hexachlorobutadiene	15.12	225	72	1.884	ug/l #	19
95) Naphthalene	15.24	128	825	4.438	ug/l #	16
96) 1,2,3-Trichlorobenzene	15.62	180	183	2.651	ug/l	82

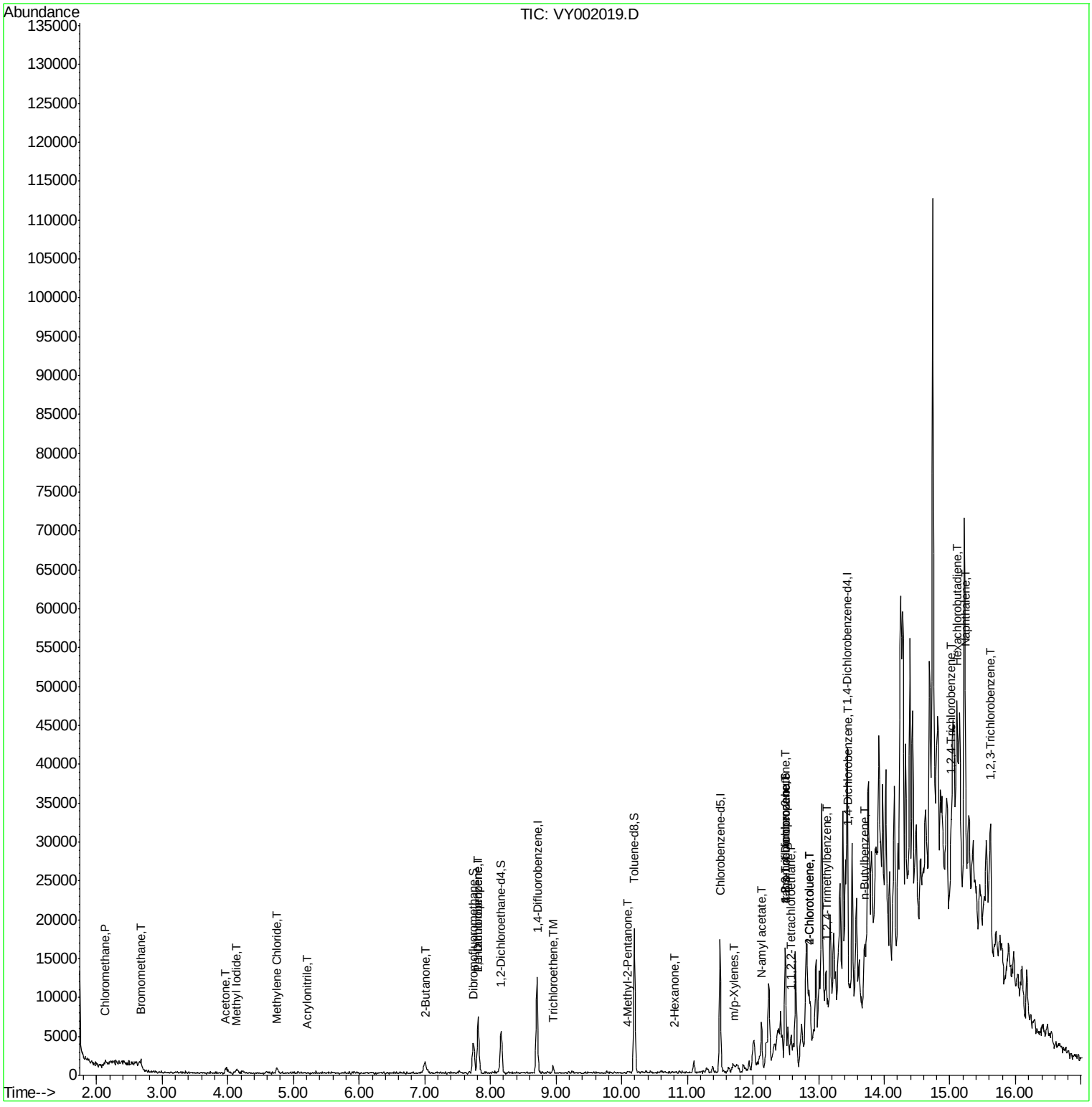
(#) = qualifier out of range (m) = manual integration (+) = signals summed

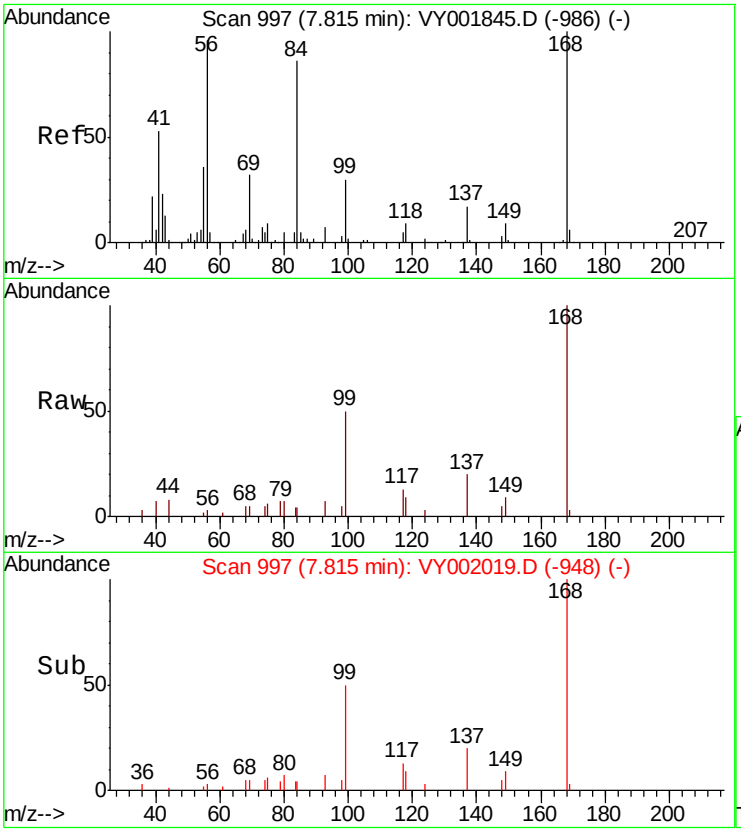
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031920\
Data File : VY002019.D
Acq On : 19 Mar 2020 14:21
Operator : SY/MD
Sample : L1978-10
Misc : 5.12G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 20 01:57:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration



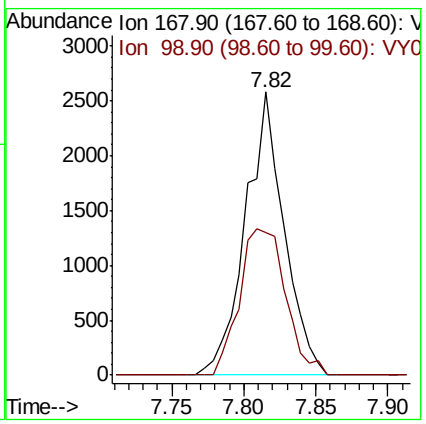


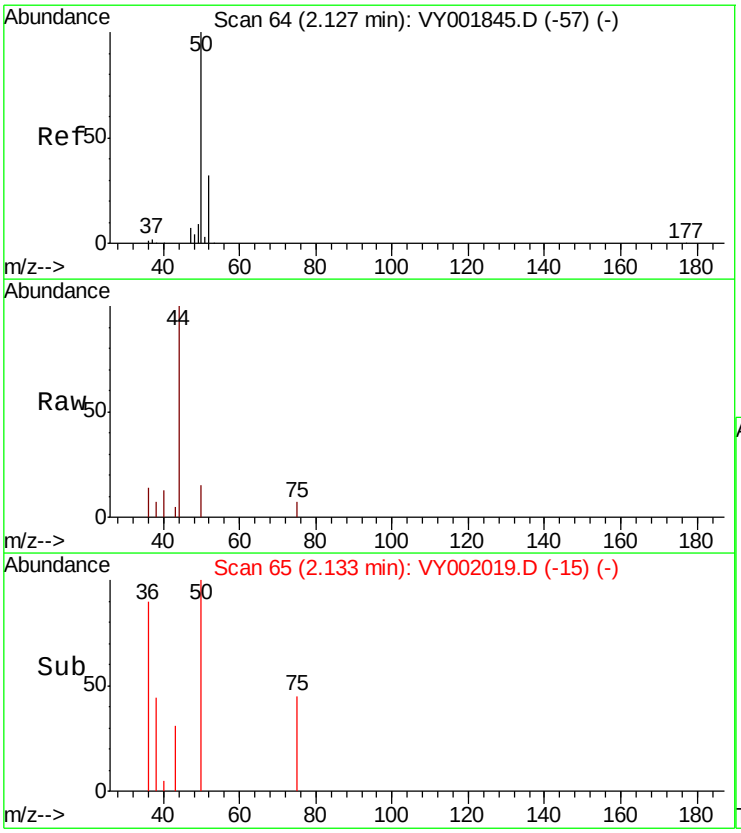
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument : MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 4798

Ion	Ratio	Lower	Upper
168	100		
99	50.3	46.7	70.1

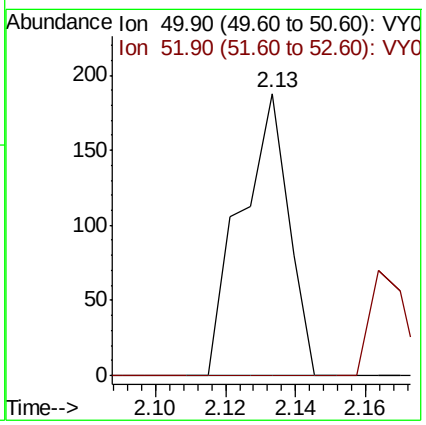


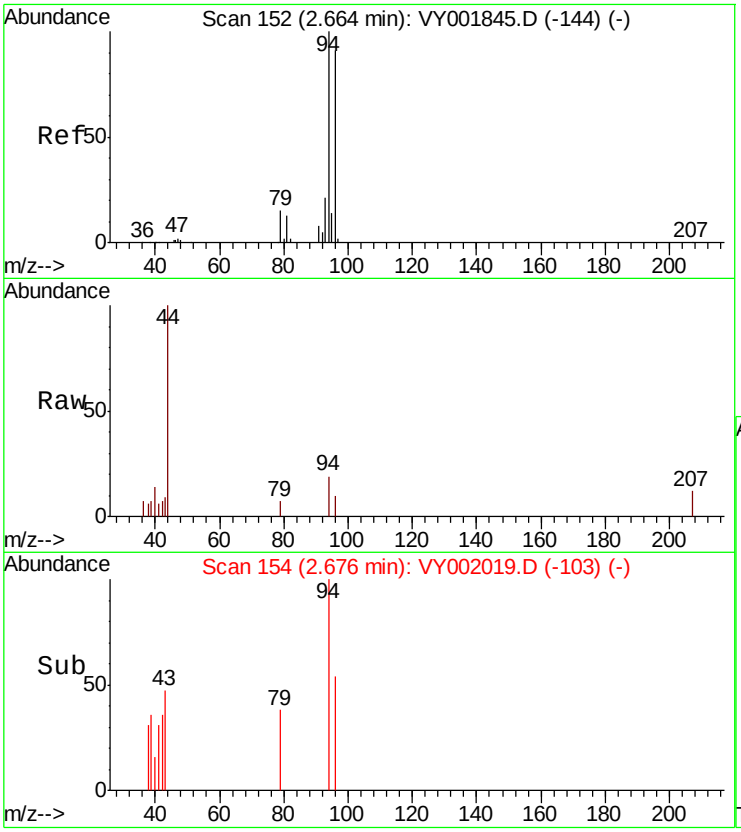


#3
Chloromethane
Concen: 2.981 ug/l
RT: 2.13 min Scan# 65
Delta R.T. 0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion: 50 Resp: 178

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.8	38.6#



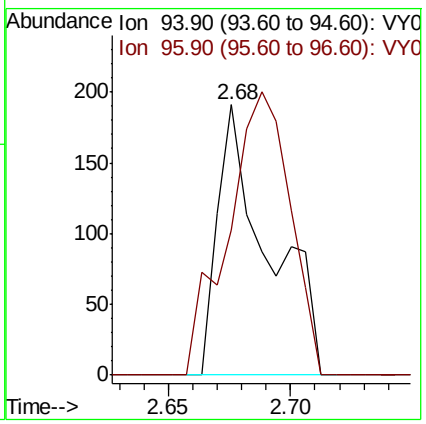


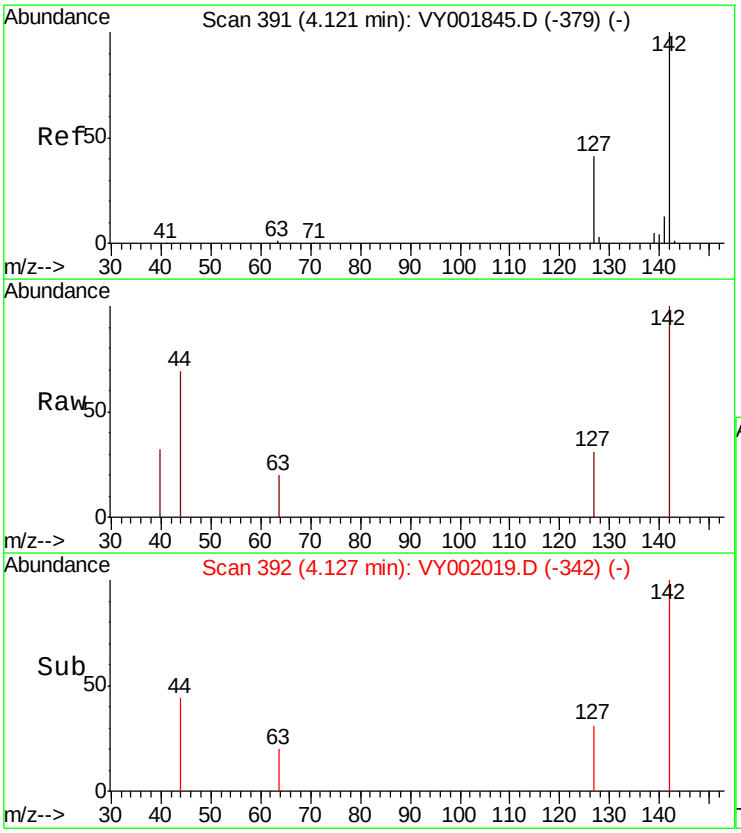
#5
Bromomethane
Concen: 2.151 ug/l
RT: 2.68 min Scan# 154
Delta R.T. 0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 94 Resp: 275

Ion	Ratio	Lower	Upper
94	100		
96	53.9	73.2	109.8#

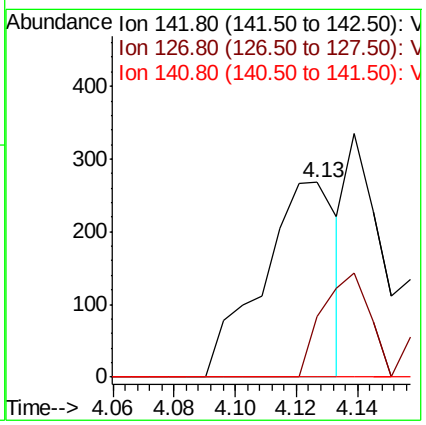


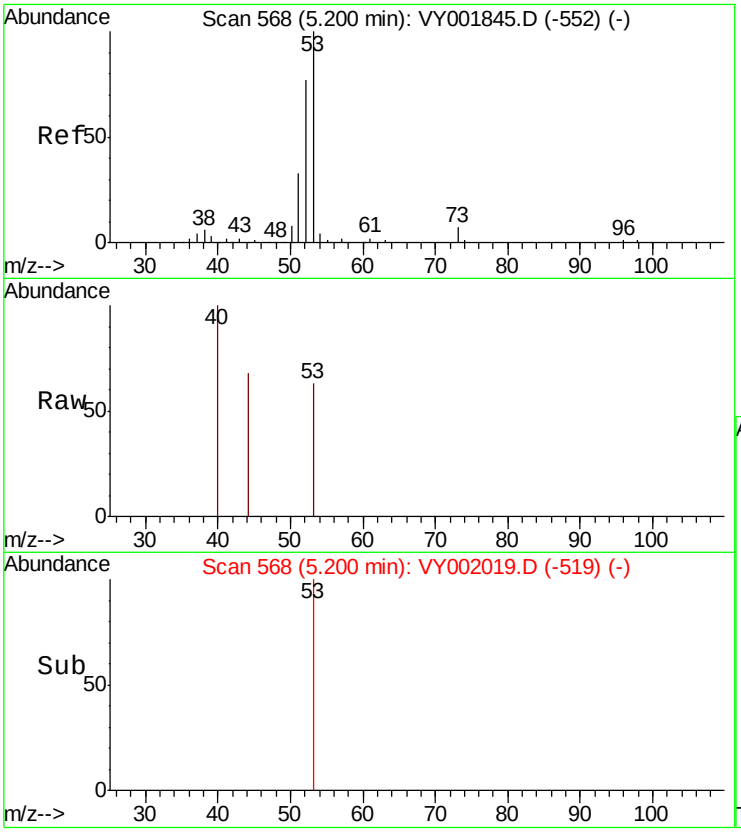


#10
Methyl Iodide
Concen: 7.459 ug/l
RT: 4.13 min Scan# 392
Delta R.T. 0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion:142 Resp: 457

Ion	Ratio	Lower	Upper
142	100		
127	34.1	32.7	49.1
141	0.0	11.0	16.6#



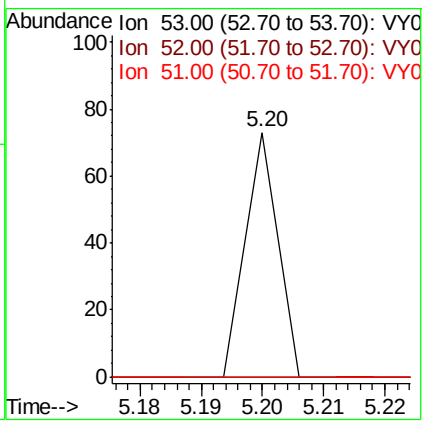


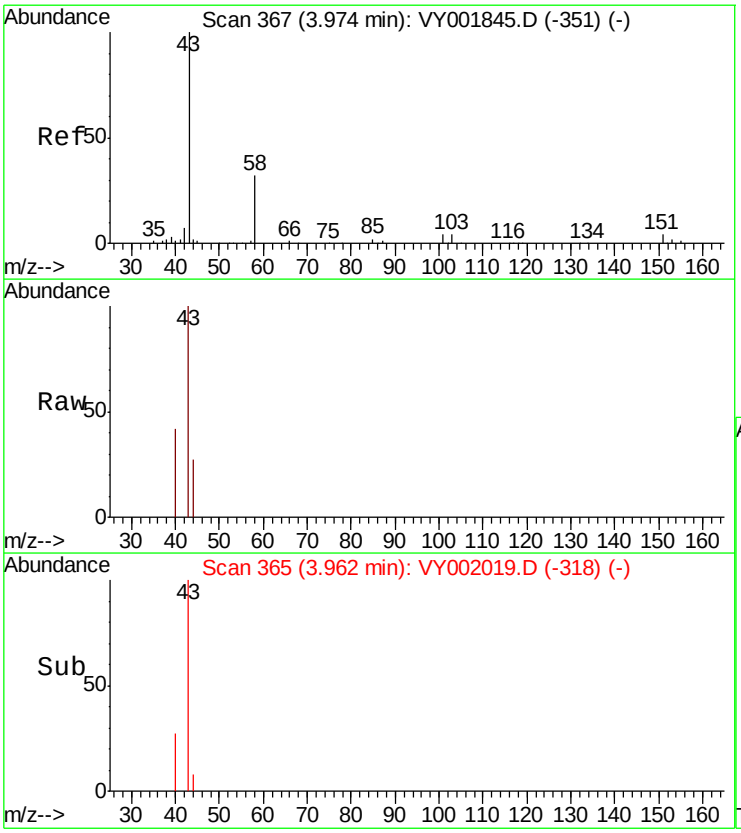
#15
Acrylonitrile
Concen: 1.556 ug/l
RT: 5.20 min Scan# 568
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument : MSVOA_Y
ClientSampleId :

Tgt Ion: 53 Resp: 27

Ion	Ratio	Lower	Upper
53	100		
52	0.0	65.1	97.7#
51	0.0	27.5	41.3#

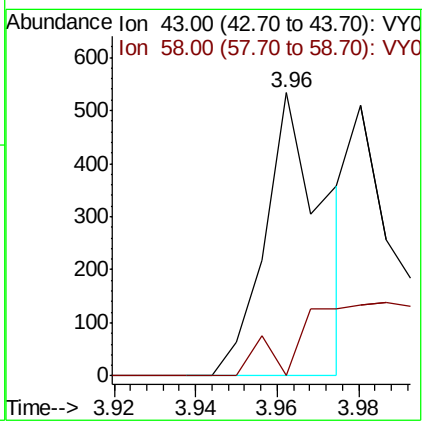


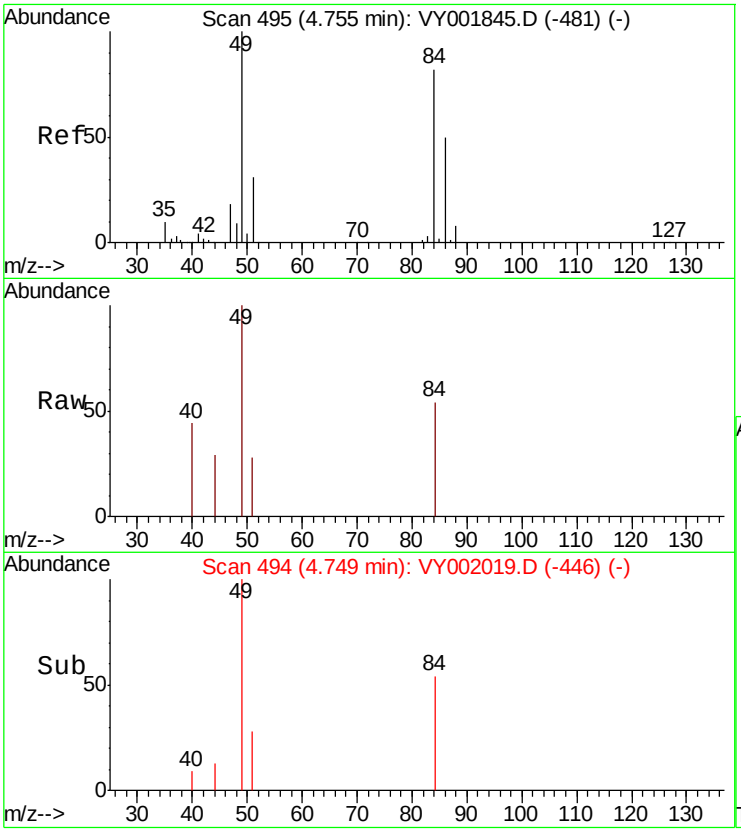


#16
Acetone
Concen: 36.263 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion: 43 Resp: 541

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.9	38.9#



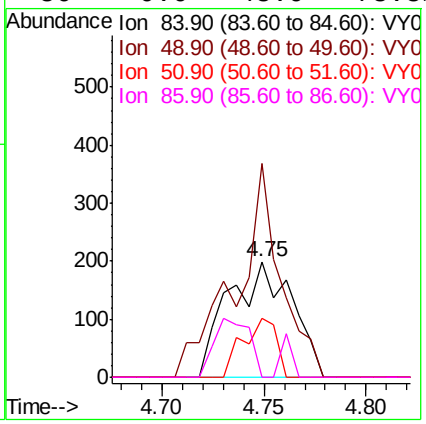


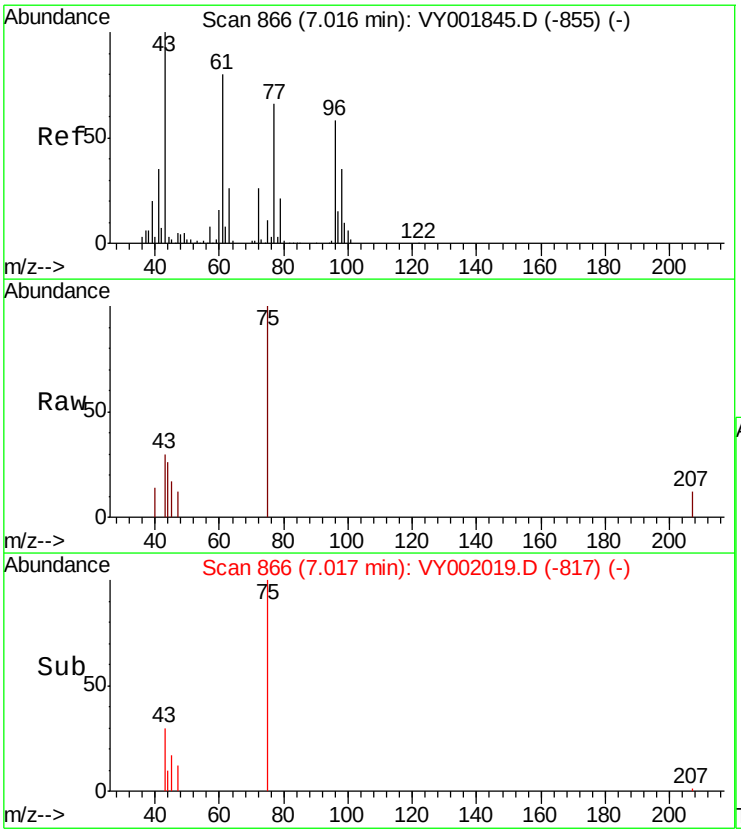
#20
Methylene Chloride
Concen: 6.772 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 433

Ion	Ratio	Lower	Upper
84	100		
49	184.9	98.2	147.2#
51	51.3	30.2	45.2#
86	0.0	48.9	73.3#

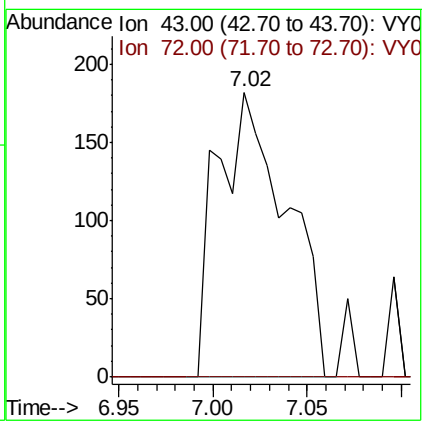


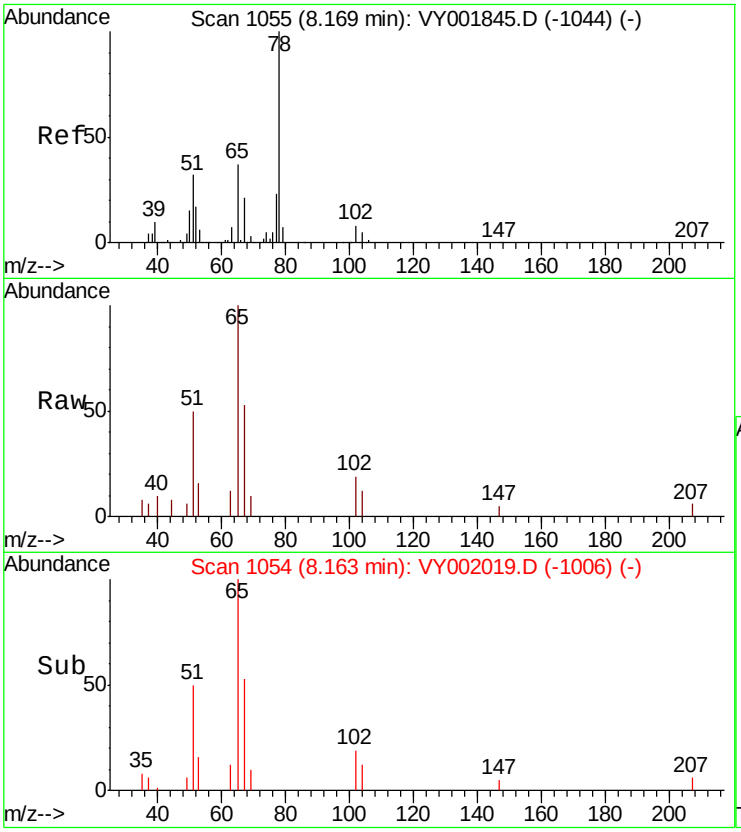


#25
2-Butanone
Concen: 20.408 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion: 43 Resp: 463

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#



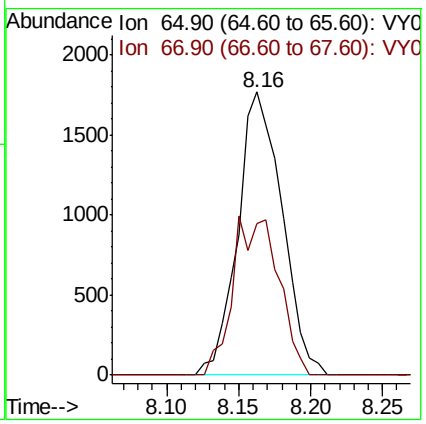


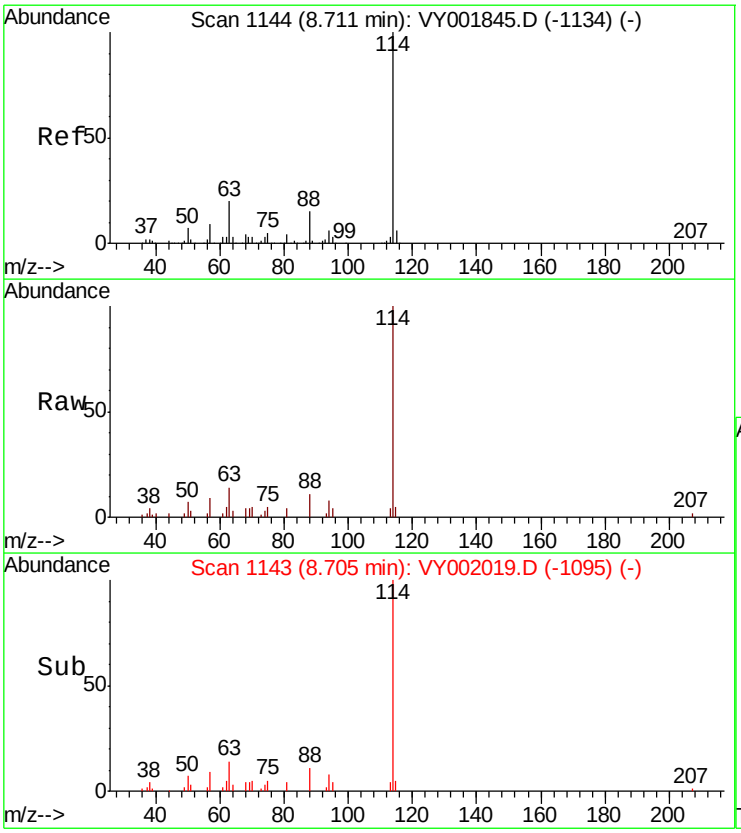
#33
1,2-Dichloroethane-d4
Concen: 73.387 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument : MSVOA_Y
ClientSampleId :

Tgt Ion: 65 Resp: 3759

Ion	Ratio	Lower	Upper
65	100		
67	58.2	0.0	110.8

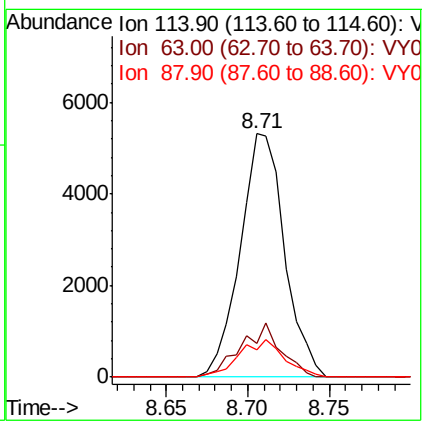


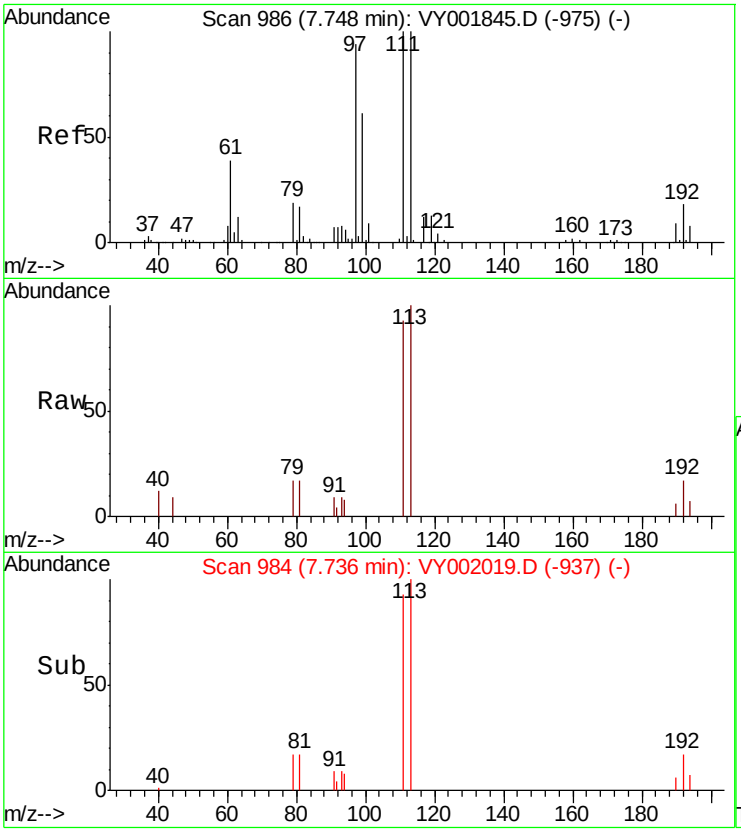


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion:114 Resp: 10022

Ion	Ratio	Lower	Upper
114	100		
63	14.1	0.0	39.4
88	11.3	0.0	30.4



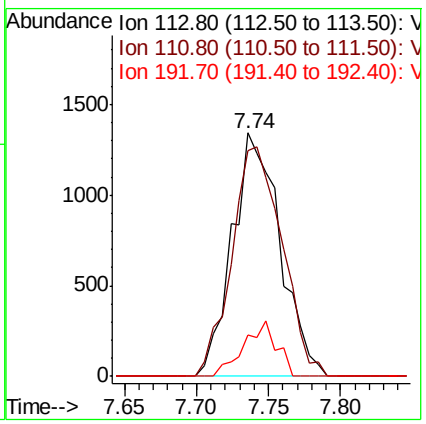


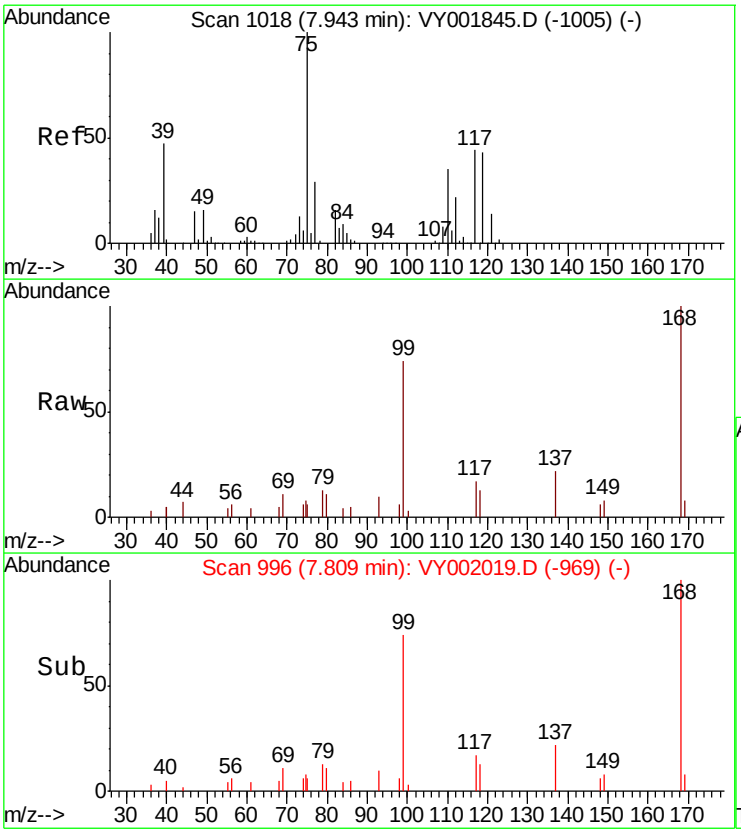
#35
Dibromofluoromethane
Concen: 56.574 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:113 Resp: 3096

Ion	Ratio	Lower	Upper
113	100		
111	99.3	81.8	122.8
192	15.4	14.2	21.2

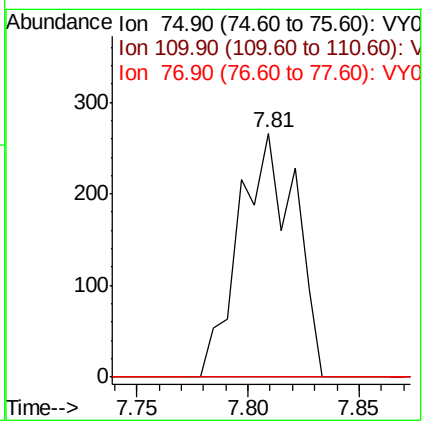


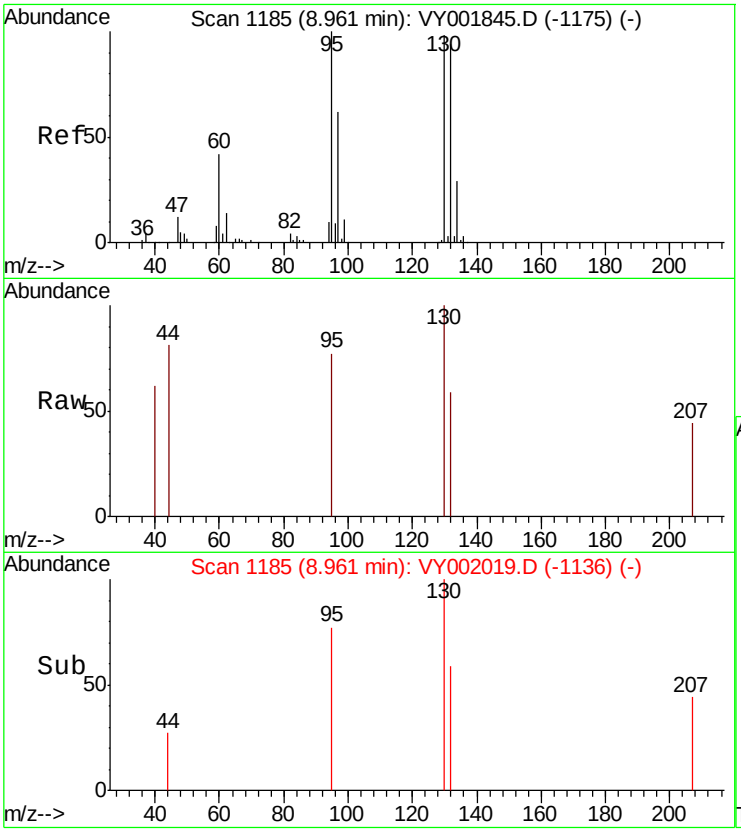


#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.13 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion: 75 Resp: 464

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.4	52.2#
77	0.0	24.2	36.2#



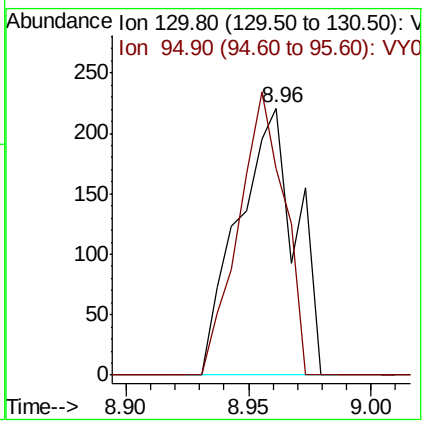


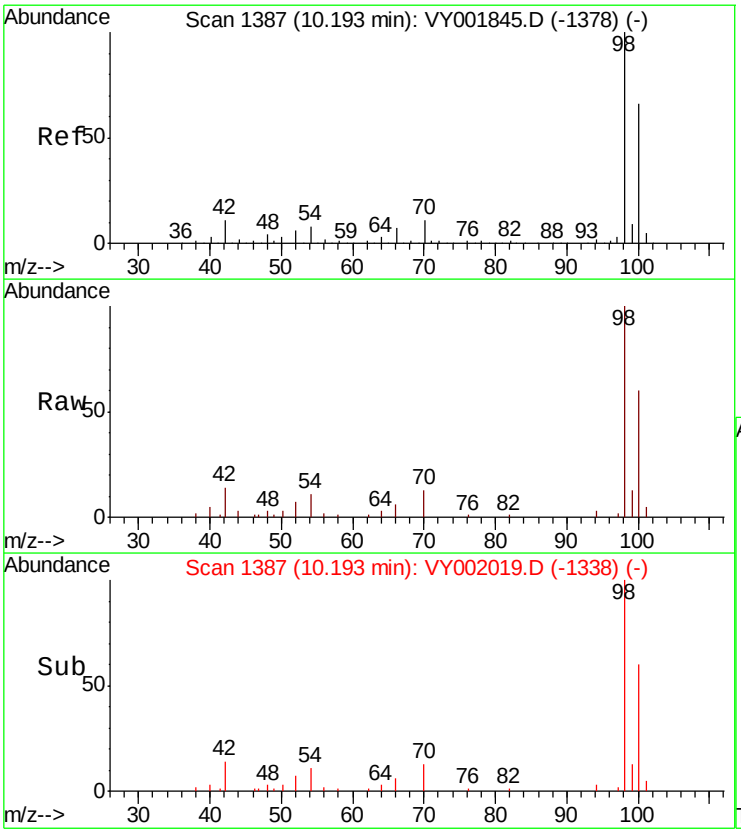
#44
Trichloroethene
Concen: 5.229 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:130 Resp: 364

Ion	Ratio	Lower	Upper
130	100		
95	77.4	0.0	204.6

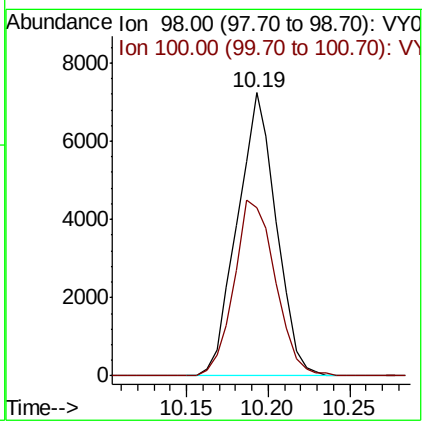


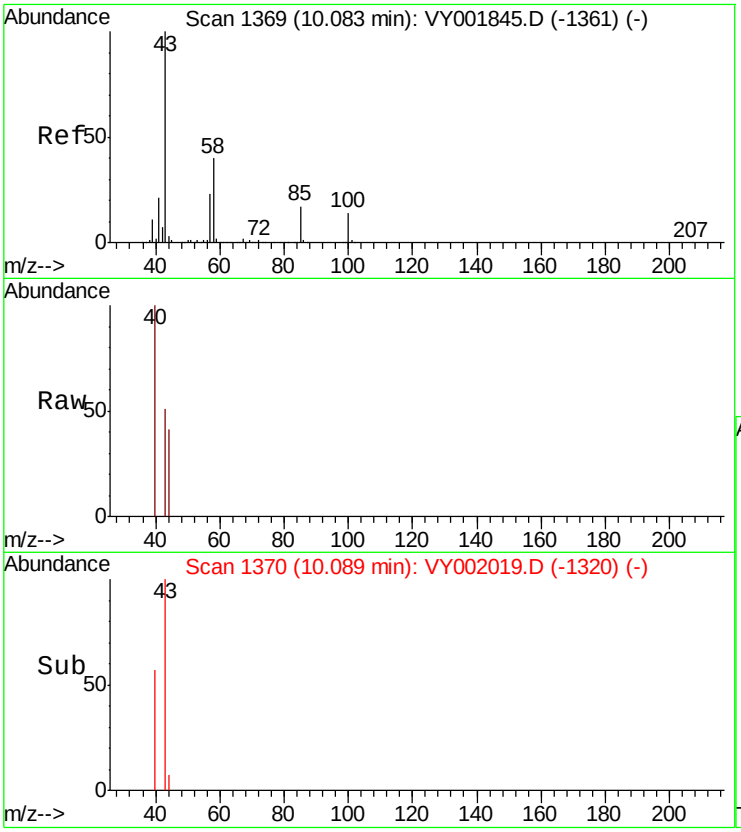


#50
Toluene-d8
Concen: 52.027 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion: 98 Resp: 12006

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.4



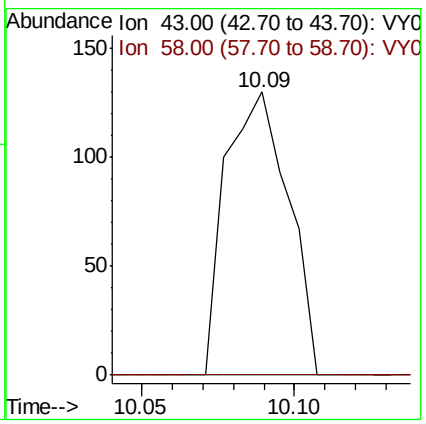


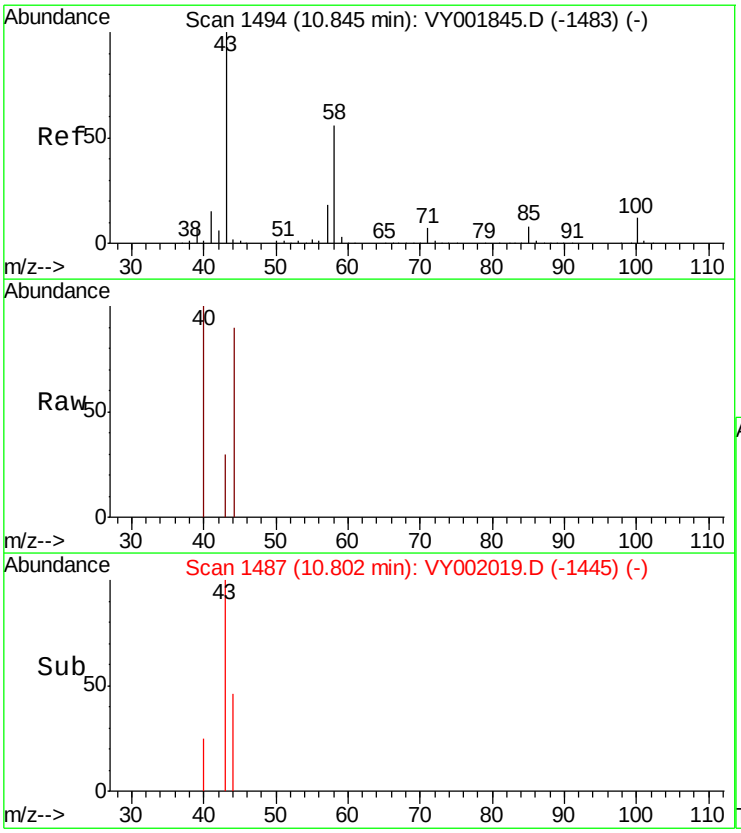
#51
4-Methyl-2-Pentanone
Concen: 3.366 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument : MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 184

Ion	Ratio	Lower	Upper
43	100		
58	0.0	32.0	48.0#

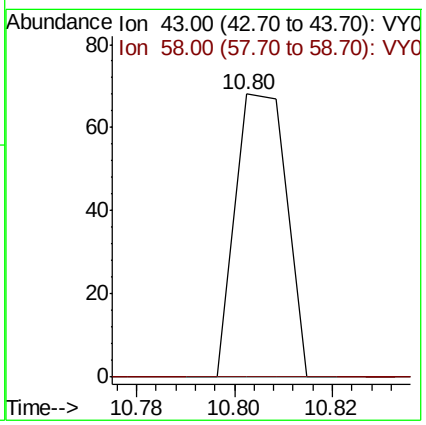


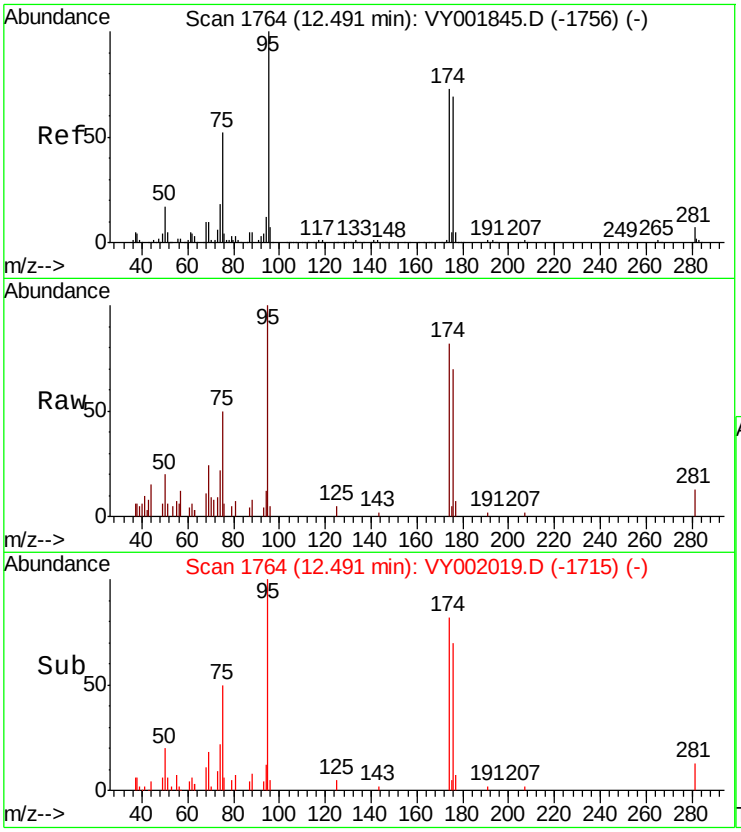


#59
2-Hexanone
Concen: 1.256 ug/l
RT: 10.80 min Scan# 1487
Delta R.T. -0.04 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion: 43 Resp: 49

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.1	84.3#



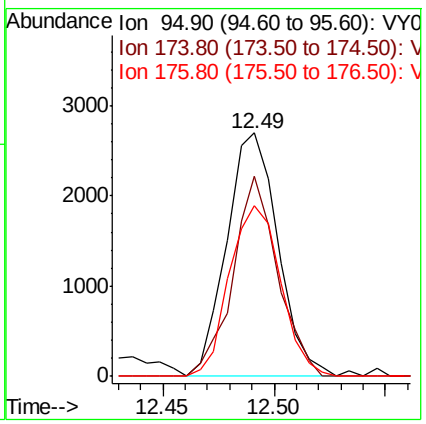


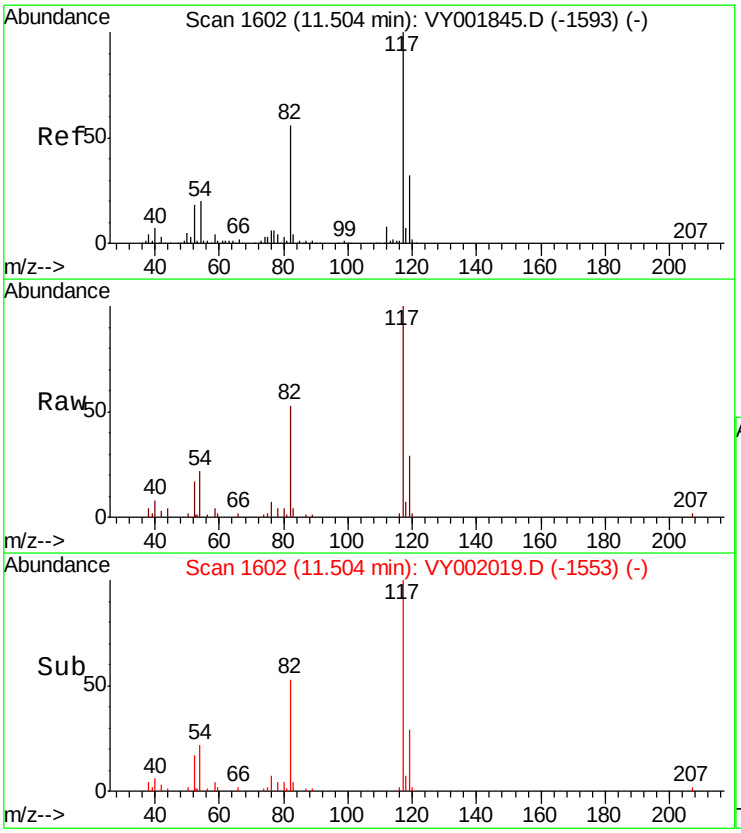
#62
4-Bromofluorobenzene
Concen: 53.988 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 95 Resp: 4332

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	145.0
176	69.9	0.0	137.4

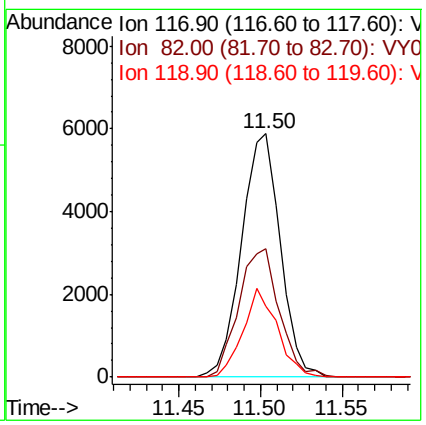


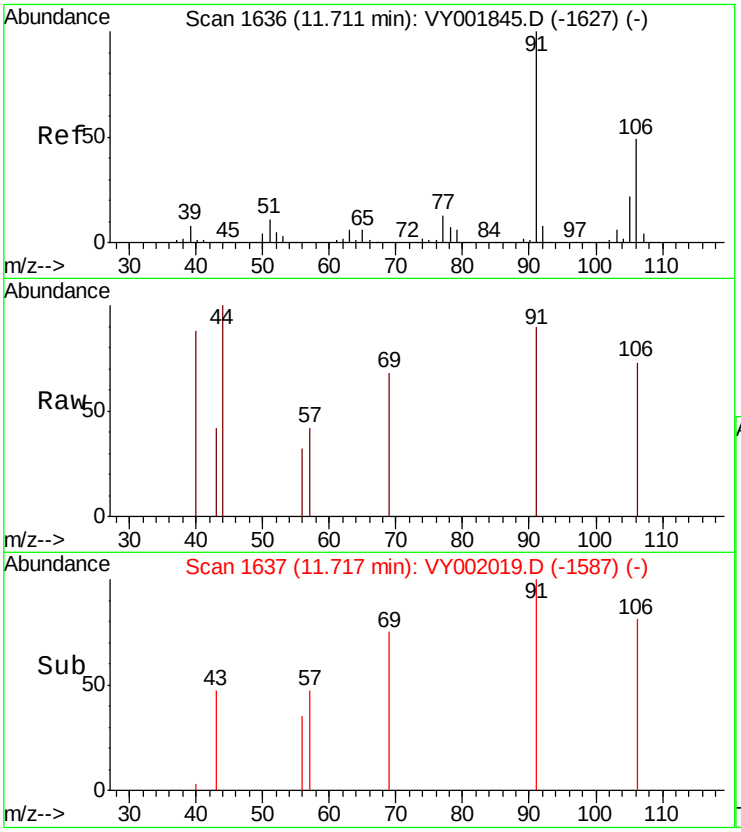


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion:117 Resp: 9737

Ion	Ratio	Lower	Upper
117	100		
82	52.7	44.5	66.7
119	29.3	25.7	38.5



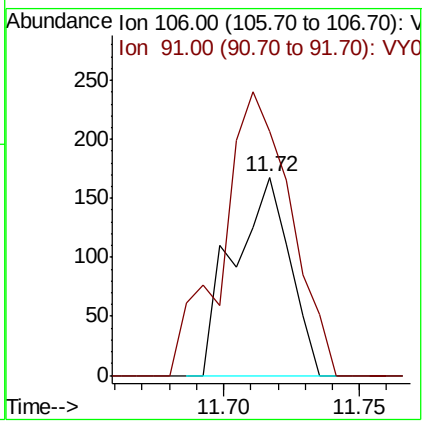


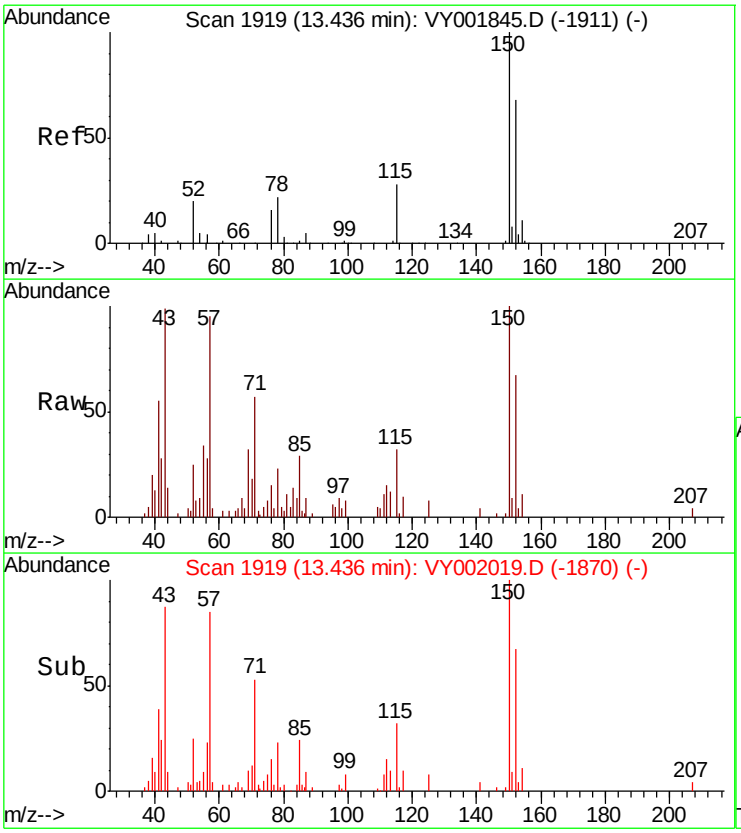
#68
m/p-Xylenes
Concen: 1.794 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:106 Resp: 240

Ion	Ratio	Lower	Upper
106	100		
91	174.6	161.3	241.9

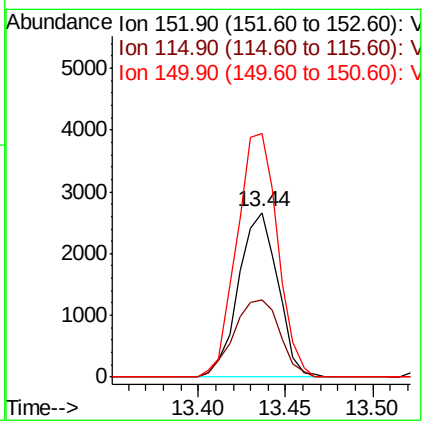


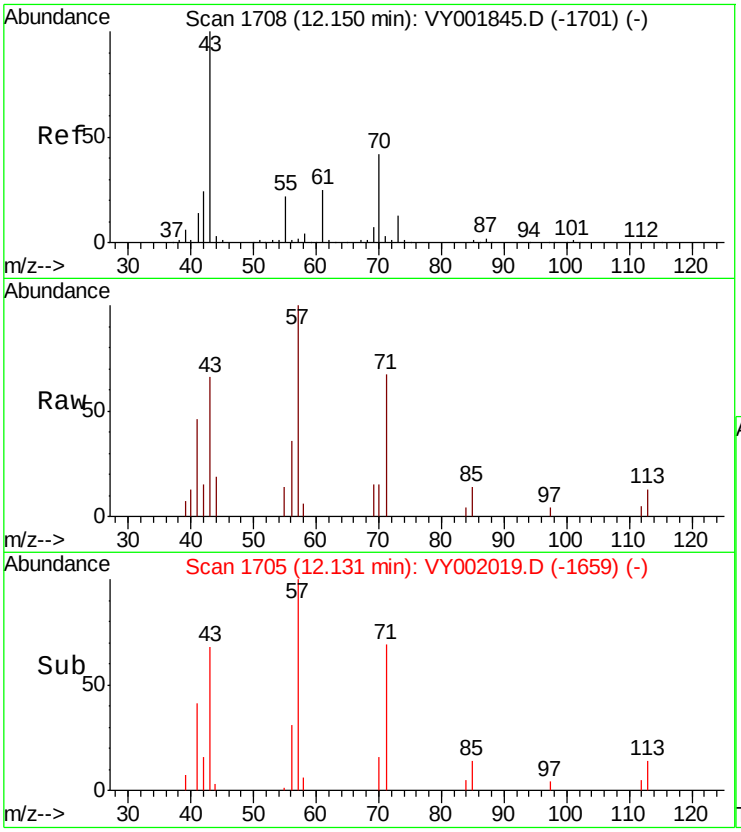


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion:152 Resp: 4197

Ion	Ratio	Lower	Upper
152	100		
115	55.2	29.9	89.7
150	153.2	0.0	340.6



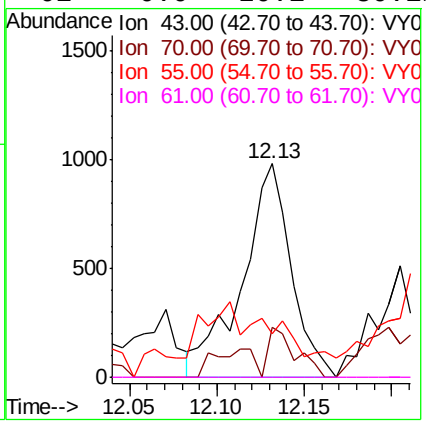


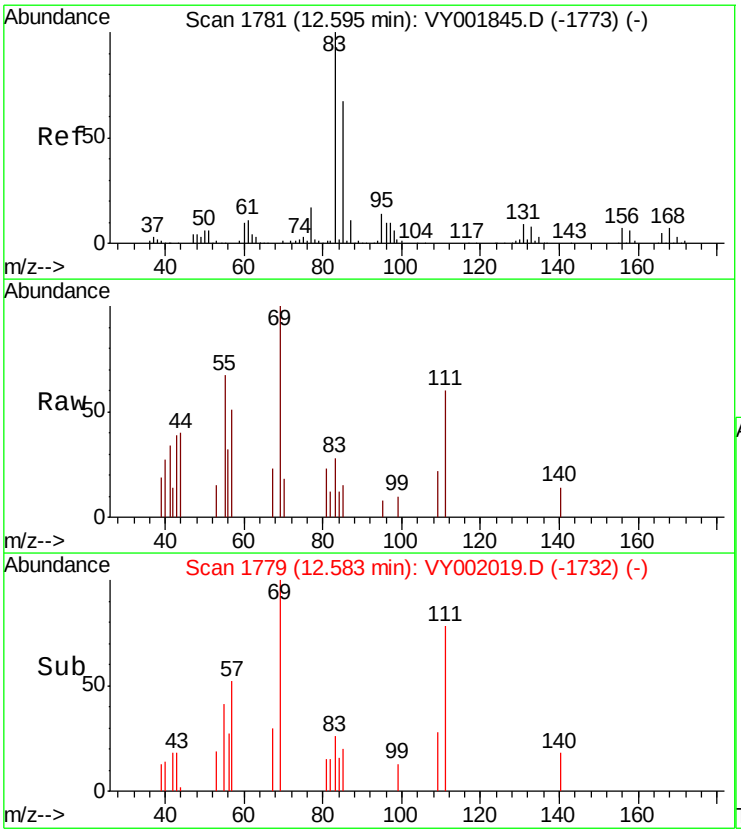
#74
N-amyl acetate
Concen: 19.448 ug/l
RT: 12.13 min Scan# 1705
Delta R.T. -0.02 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument : MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 1915

Ion	Ratio	Lower	Upper
43	100		
70	13.0	34.7	52.1#
55	0.0	18.2	27.4#
61	0.0	20.1	30.1#

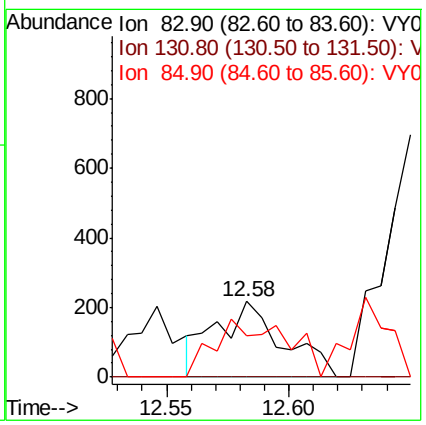


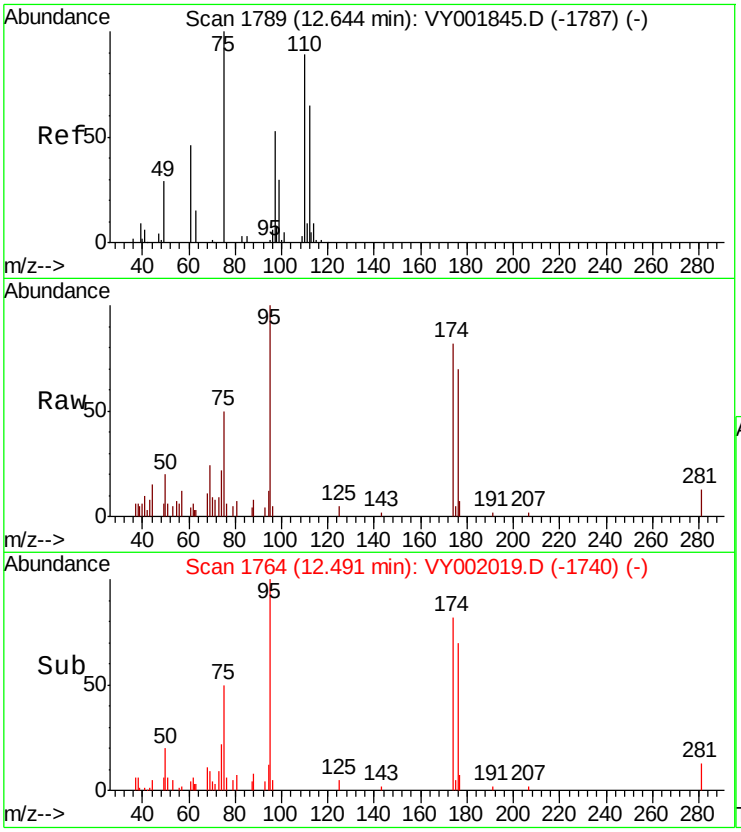


#75
1,1,2,2-Tetrachloroethane
Concen: 5.891 ug/l
RT: 12.58 min Scan# 1779
Delta R.T. -0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion: 83 Resp: 407

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	84.0	32.1	96.3



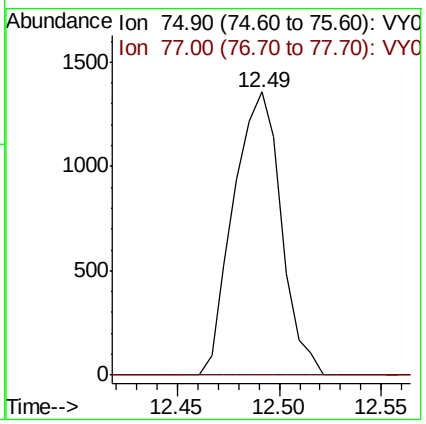


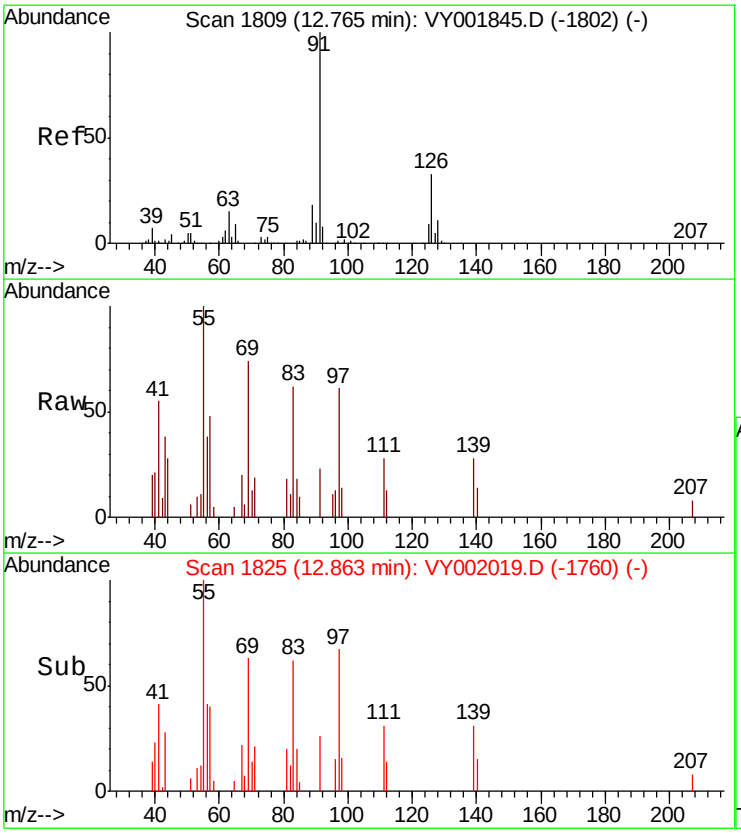
#76
1,2,3-Trichloropropane
Concen: 44.337 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument : MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 2208

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

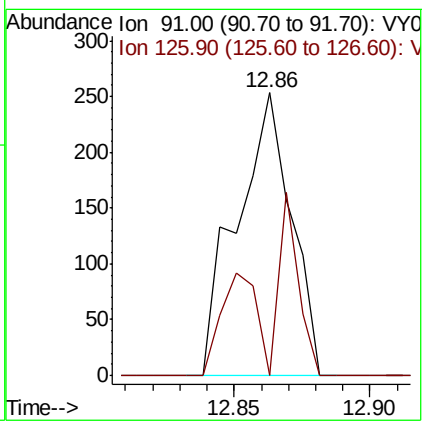


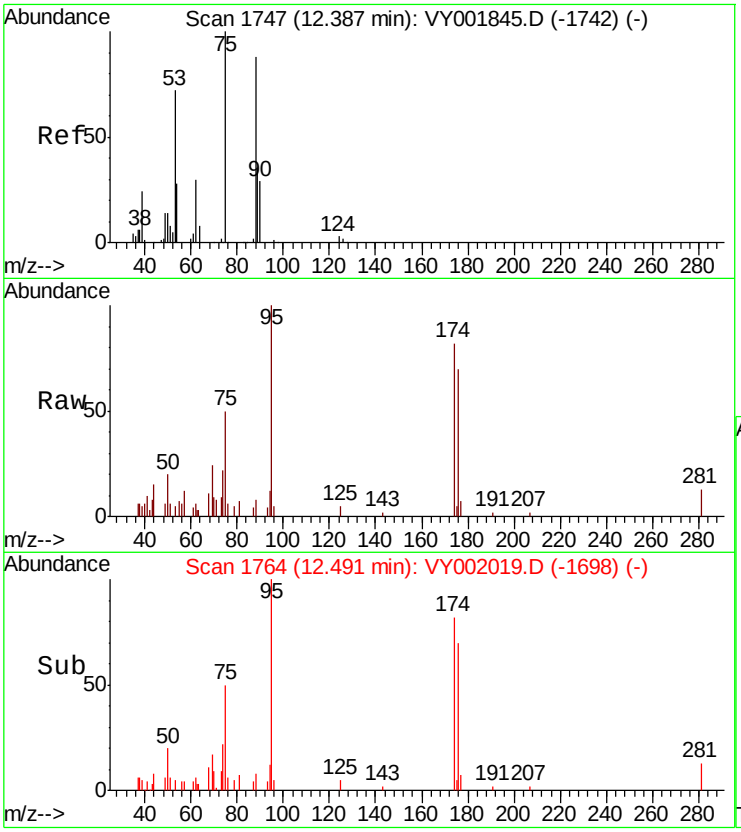


#79
2-Chlorotoluene
Concen: 1.603 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.10 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion: 91 Resp: 350

Ion	Ratio	Lower	Upper
91	100		
126	22.9	16.3	48.8



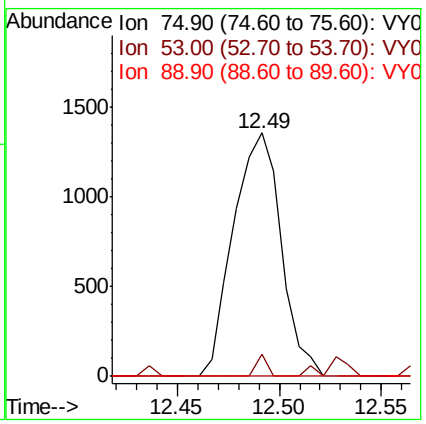


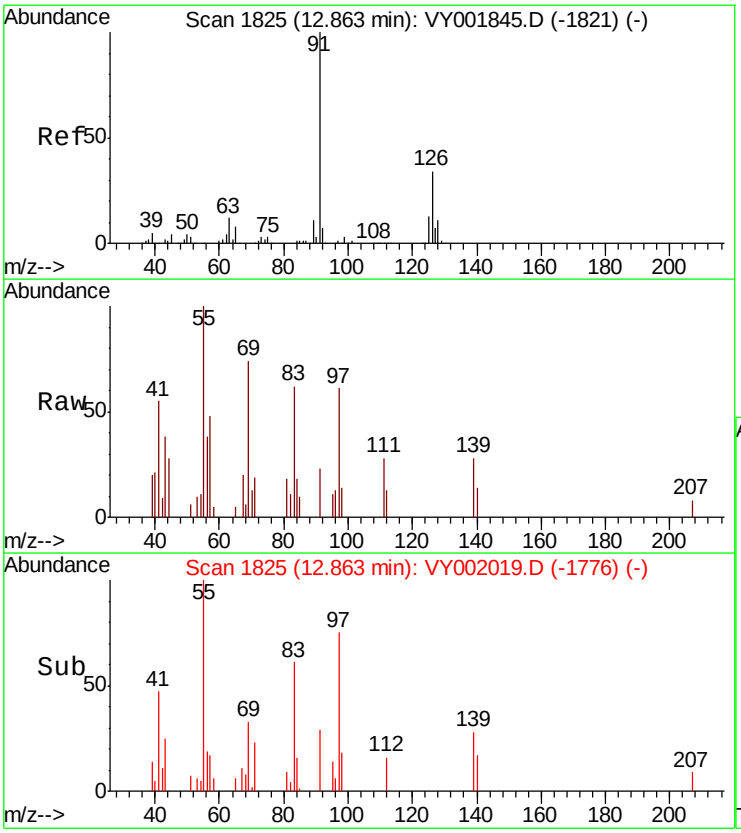
#81
trans-1,4-Dichloro-2-butene
Concen: 89.559 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.10 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 2208

Ion	Ratio	Lower	Upper
75	100		
53	2.0	65.4	98.0#
89	0.0	36.0	54.0#

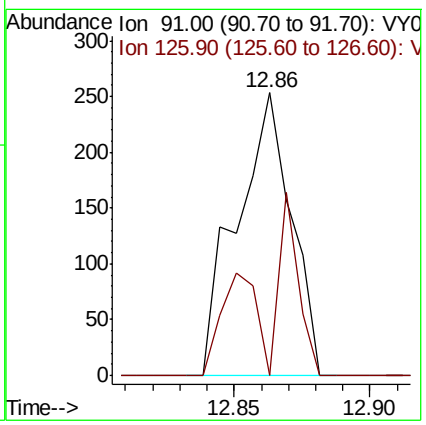


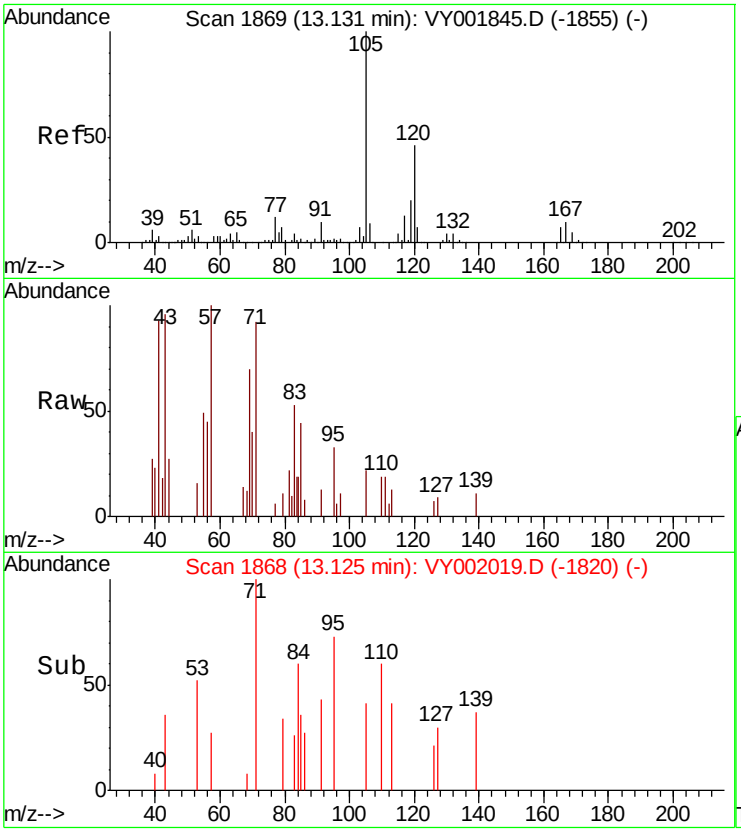


#82
4-Chlorotoluene
Concen: 1.539 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion: 91 Resp: 350

Ion	Ratio	Lower	Upper
91	100		
126	22.9	16.4	49.2



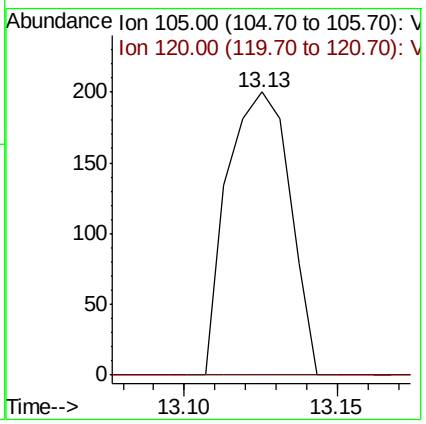


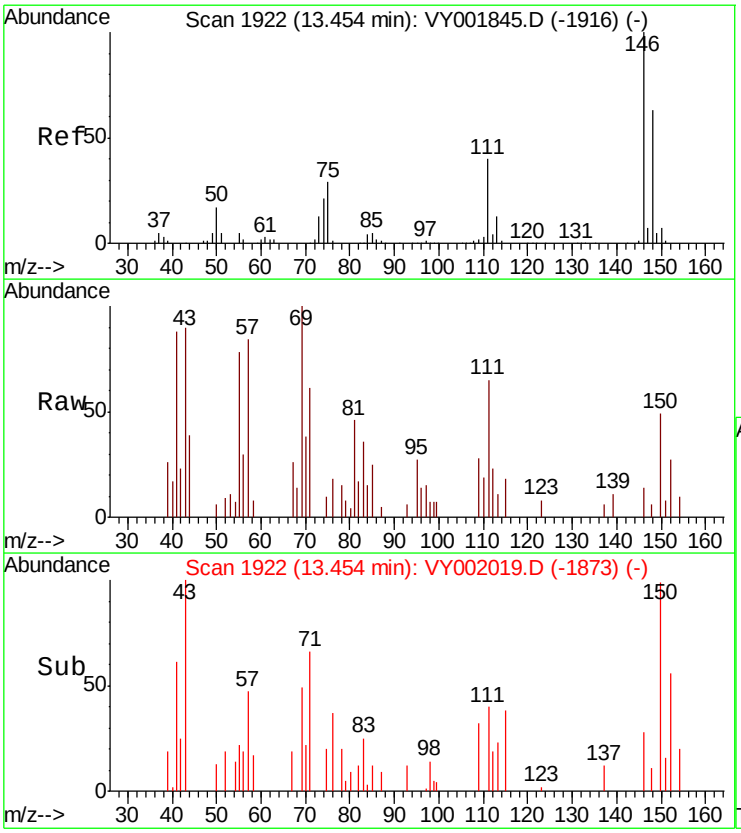
#84
1,2,4-Trimethylbenzene
Concen: 1.081 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 283

Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.6	67.7#

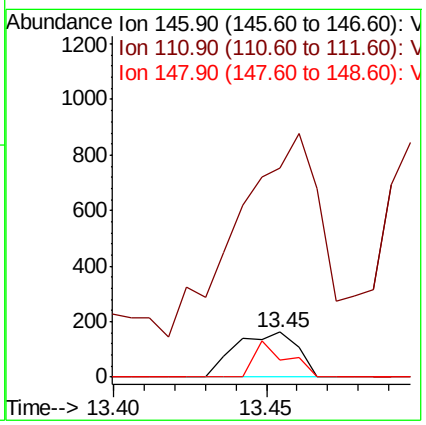


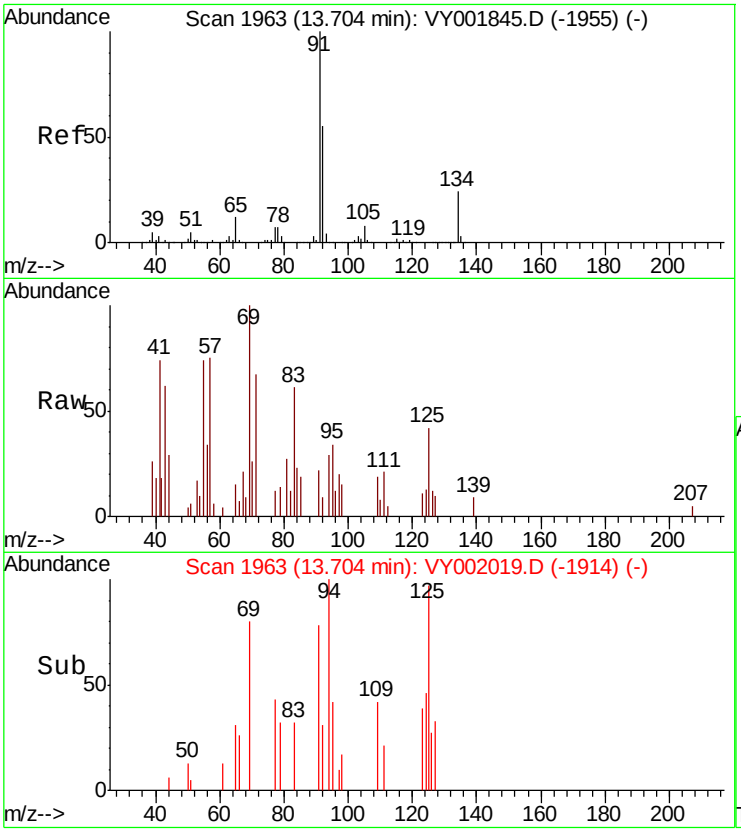


#88
1,4-Dichlorobenzene
Concen: 1.675 ug/l
RT: 13.45 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion:146 Resp: 226

Ion	Ratio	Lower	Upper
146	100		
111	623.0	20.0	60.0#
148	42.9	31.5	94.5



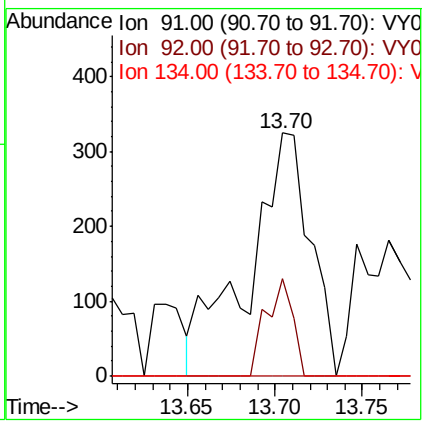


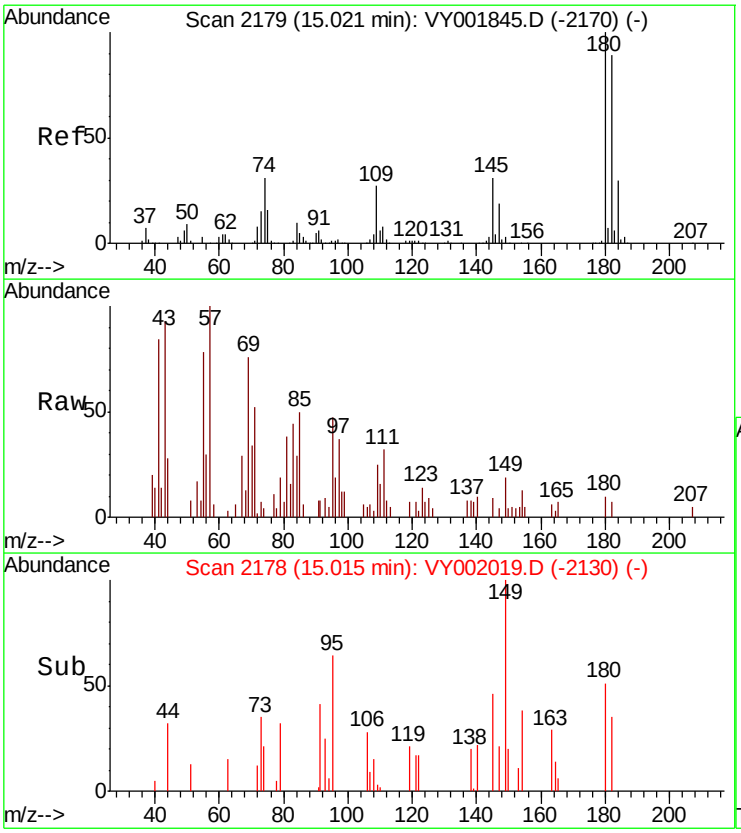
#89
n-Butylbenzene
Concen: 2.768 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 800

Ion	Ratio	Lower	Upper
91	100		
92	17.3	27.5	82.4#
134	0.0	12.5	37.5#

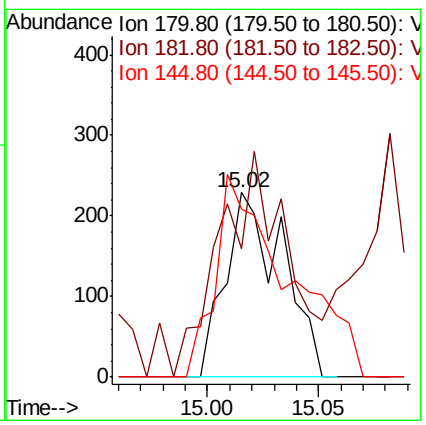


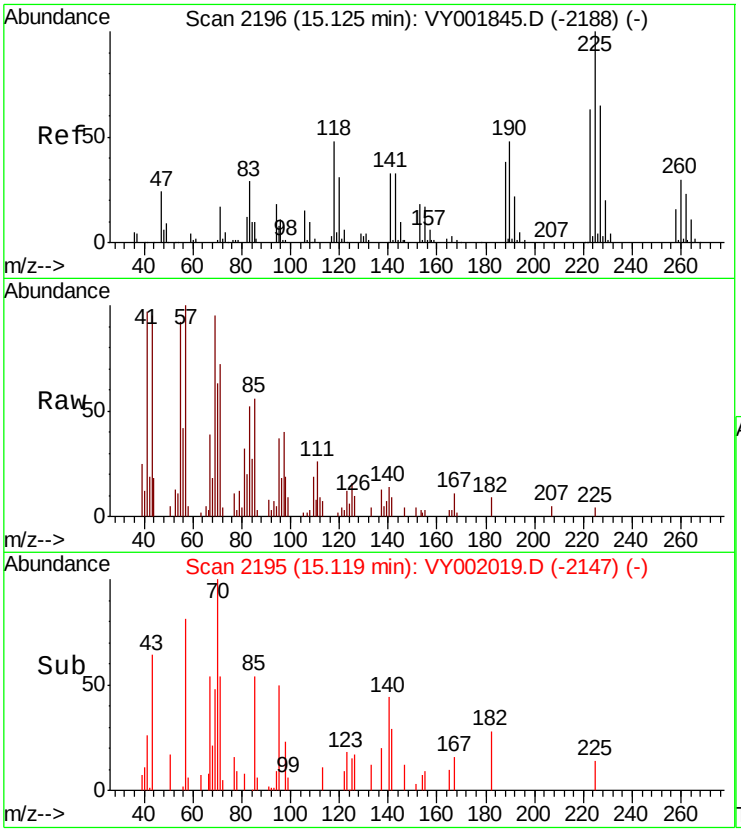


#93
1,2,4-Trichlorobenzene
Concen: 5.232 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion:180 Resp: 410

Ion	Ratio	Lower	Upper
180	100		
182	142.4	46.1	138.3#
145	138.5	15.6	46.8#



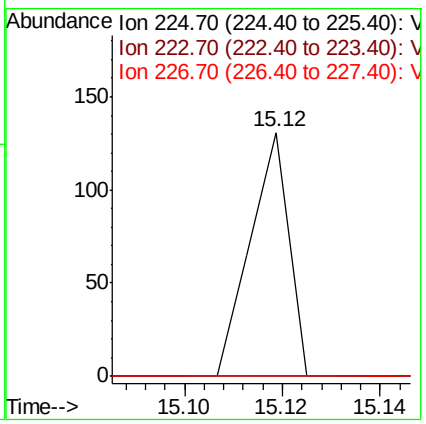


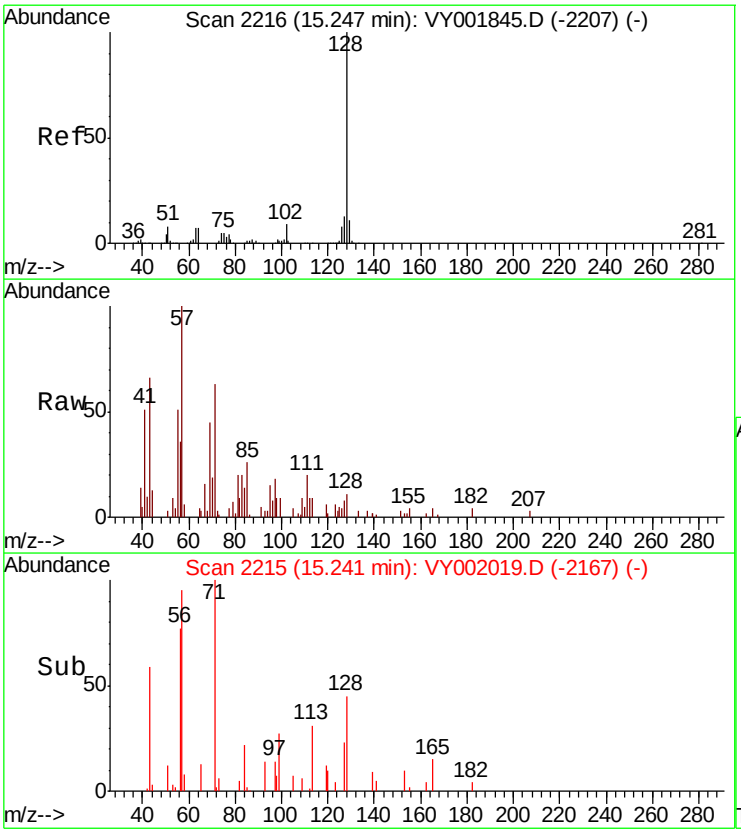
#94
Hexachlorobutadiene
Concen: 1.884 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:225 Resp: 72

Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.5	94.5#
227	0.0	31.9	95.5#

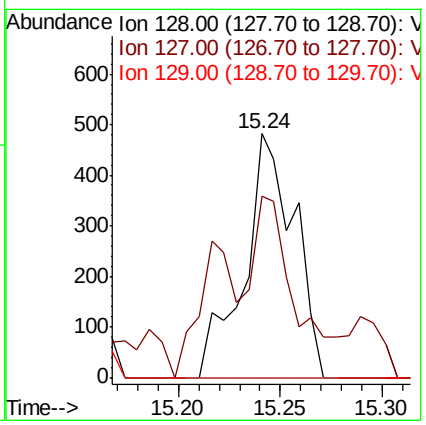


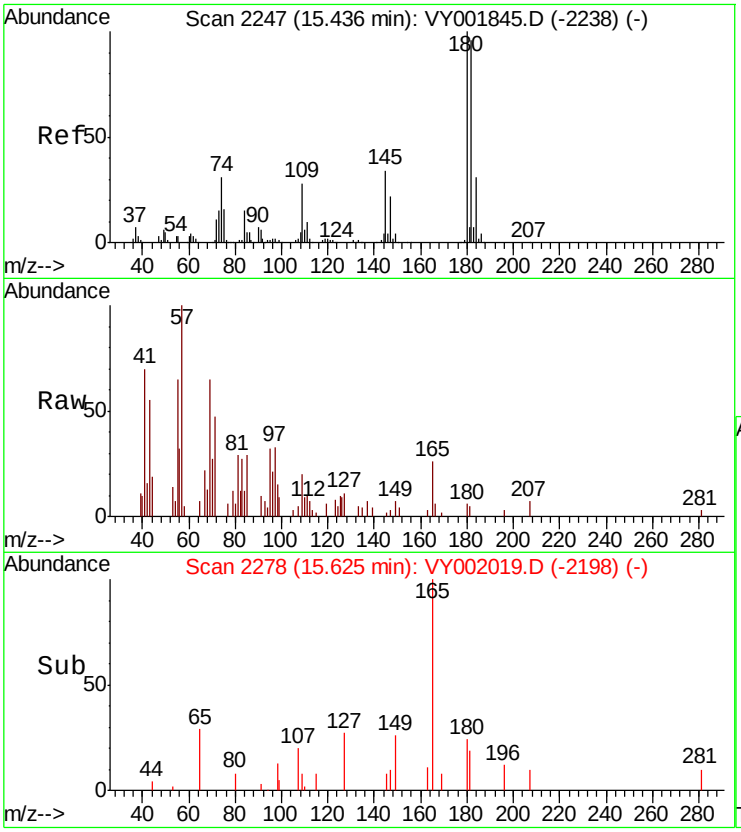


#95
Naphthalene
Concen: 4.438 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Tgt Ion:128 Resp: 825

Ion	Ratio	Lower	Upper
128	100		
127	64.6	10.1	15.1#
129	0.0	8.6	13.0#





#96
1,2,3-Trichlorobenzene
Concen: 2.651 ug/l
RT: 15.62 min Scan# 2278
Delta R.T. 0.19 min
Lab File: VY002019.D
Acq: 19 Mar 2020 14:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:180 Resp: 183

Ion	Ratio	Lower	Upper
180	100		
182	77.6	47.6	142.9
145	44.3	16.8	50.3