Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041619\
Data File : VD061812.D
Acq On : 16 Apr 2019 15:39
Operator : VA/AP
Sample : K2347-02RE
Misc : 5.03g/5ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : BCOG02RE

Quant Time: Apr 16 16:08:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	134784	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.23	114	259959	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.37	117	180736	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	55003	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	99814	88.36	ug/l	-0.02
Spiked Amount 50.000			Recovery = 176.72%			
35) Dibromofluoromethane	6.94	113	116115	59.12	ug/l	-0.03
Spiked Amount 50.000			Recovery = 118.24%			
50) Toluene-d8	10.43	98	174572	37.51	ug/l	-0.02
Spiked Amount 50.000			Recovery = 75.02%			
62) 4-Bromofluorobenzene	13.56	95	66022	35.00	ug/l	-0.02
Spiked Amount 50.000			Recovery = 70.00%			
Target Compounds						Qvalue
5) Bromomethane	2.16	94	214	Below Cal	#	12
10) Methyl Iodide	3.34	142	194	3.590	ug/l #	37
16) Acetone	3.23	43	2909	10.449	ug/l #	50
18) Methyl Acetate	3.66	43	1411	2.529	ug/l #	53
20) Methylene Chloride	3.84	84	35780	23.416	ug/l	96
31) Cyclohexane	7.06	56	1945	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	9594	4.516	ug/l #	40
38) Carbon Tetrachloride	7.06	117	13182	4.914	ug/l #	12
51) 4-Methyl-2-Pentanone	10.32	43	1142	1.460	ug/l #	37
55) 1,1,2-Trichloroethane	11.11	97	5694	5.170	ug/l #	16
59) 2-Hexanone	11.50	43	15794	27.179	ug/l #	27
74) N-amyl acetate	13.34	43	356356	371.507	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	13.72	83	65354	92.687	ug/l #	77
80) 1,3,5-Trimethylbenzene	13.94	105	51958	18.357	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.56	75	21493	89.024	ug/l #	39
82) 4-Chlorotoluene	13.94	91	10391	3.771	ug/l #	58
83) tert-Butylbenzene	14.20	119	5525	1.662	ug/l	75
85) sec-Butylbenzene	14.37	105	7894	2.298	ug/l	94
86) p-Isopropyltoluene	14.50	119	49670	15.452	ug/l	89
89) n-Butylbenzene	14.79	91	109009	38.310	ug/l #	1
90) Hexachloroethane	15.00	117	5955	6.797	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	15.39	75	2009	23.419	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.95	180	1758	2.160	ug/l #	1
95) Naphthalene	16.12	128	2096	1.680	ug/l #	1

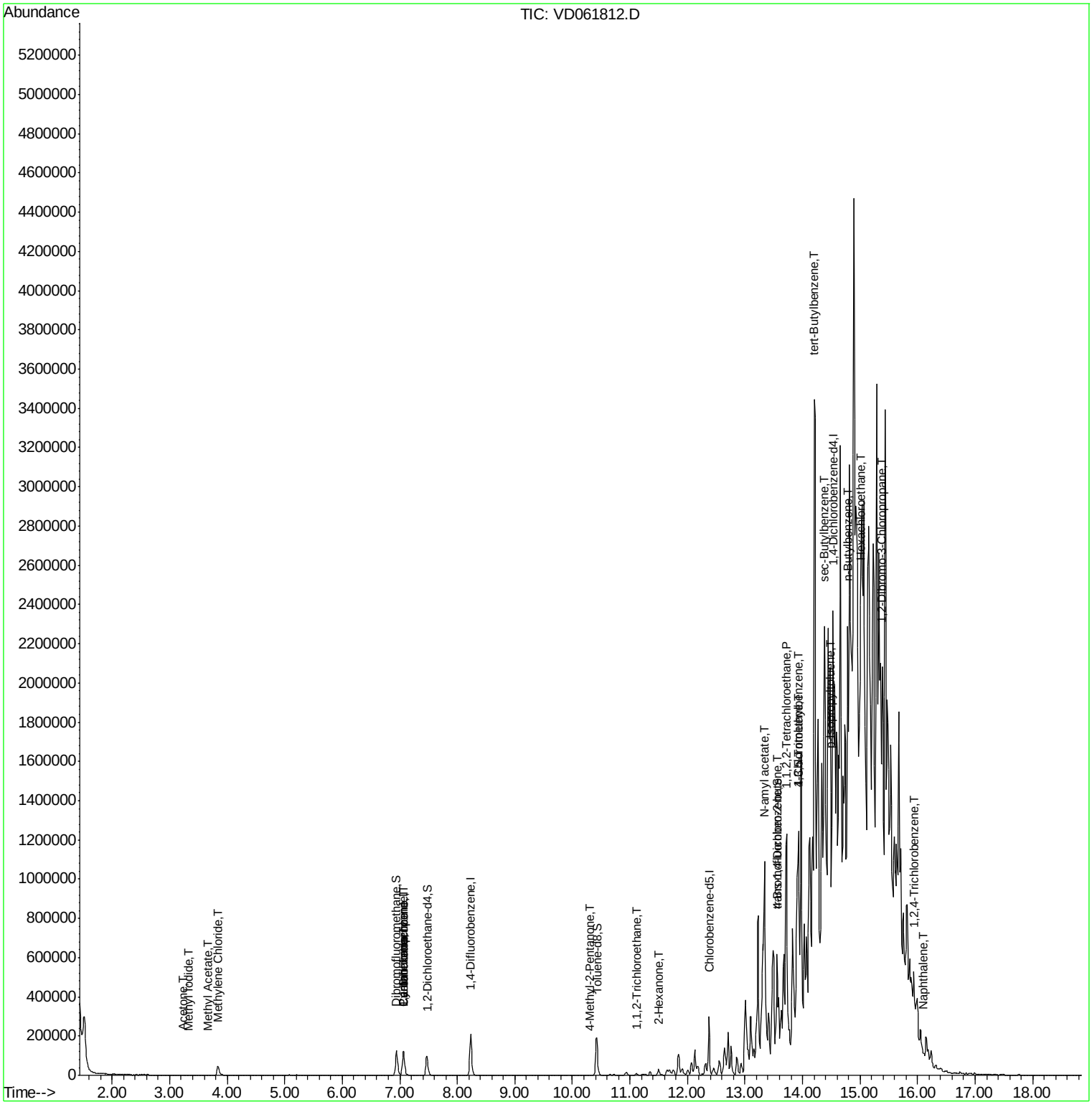
(#) = qualifier out of range (m) = manual integration (+) = signals summed

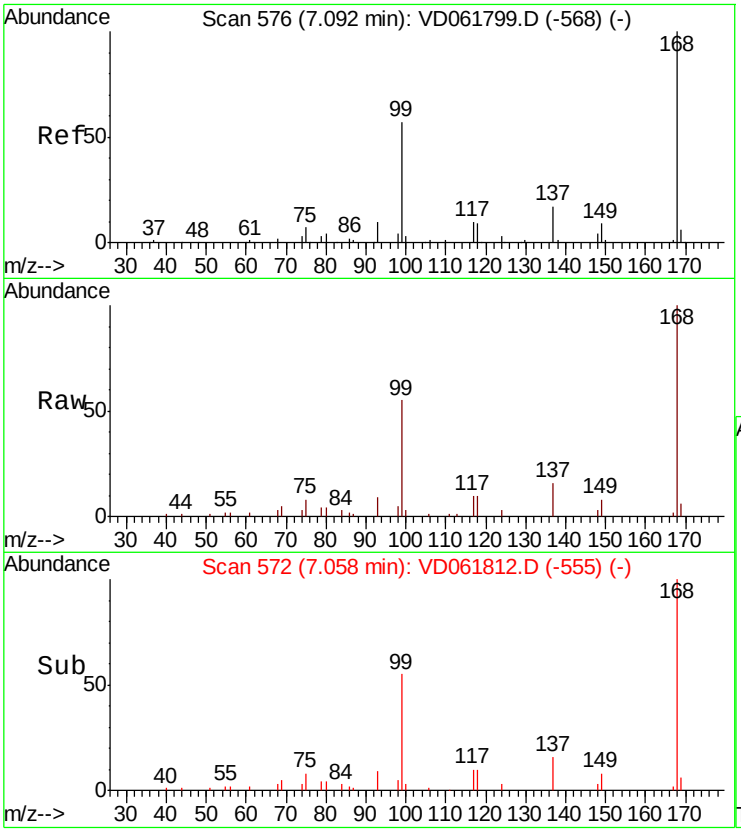
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041619\
Data File : VD061812.D
Acq On : 16 Apr 2019 15:39
Operator : VA/AP
Sample : K2347-02RE
Misc : 5.03g/5ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Quant Time: Apr 16 16:08:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration



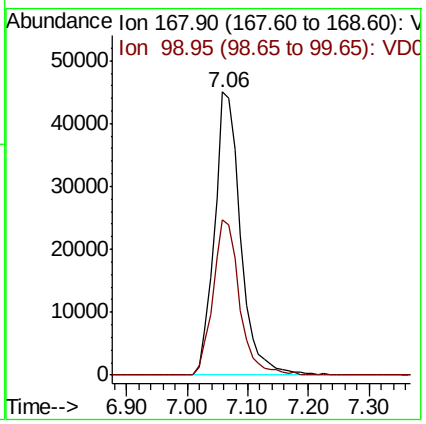


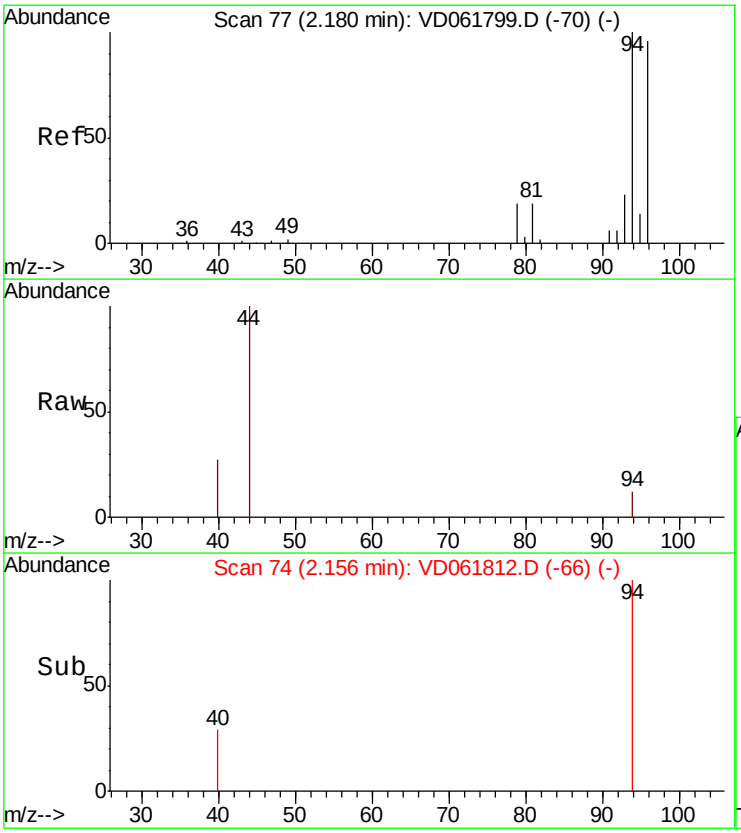
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion:168 Resp: 134784

Ion	Ratio	Lower	Upper
168	100		
99	55.0	46.5	69.7

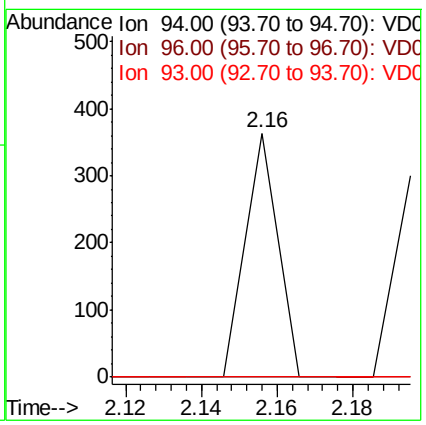


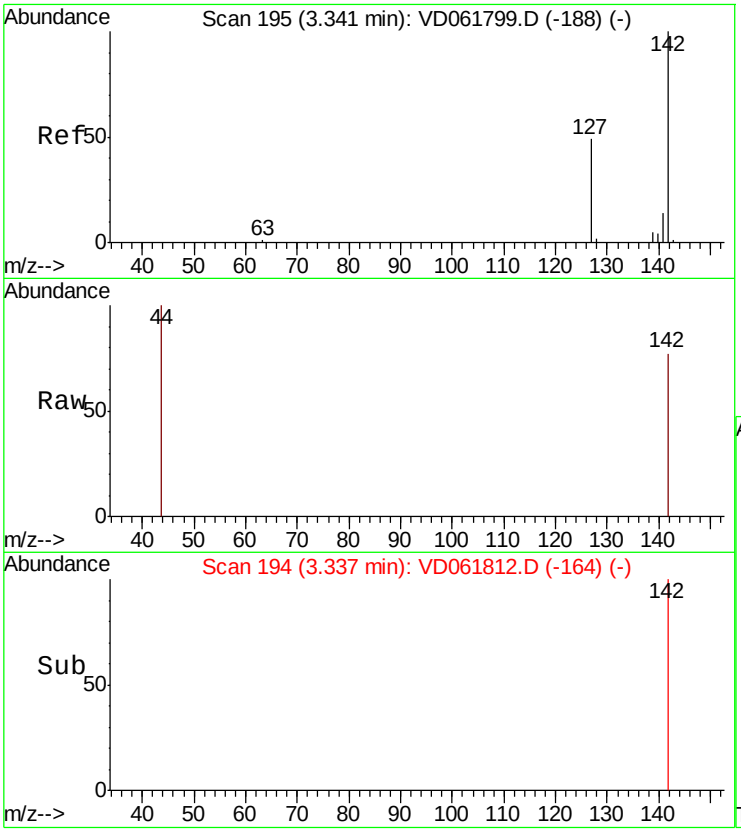


#5
Bromomethane
Concen: Below Cal
RT: 2.16 min Scan# 74
Delta R.T. -0.02 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion: 94 Resp: 214

Ion	Ratio	Lower	Upper
94	100		
96	0.0	76.6	115.0#
93	0.0	18.5	27.7#



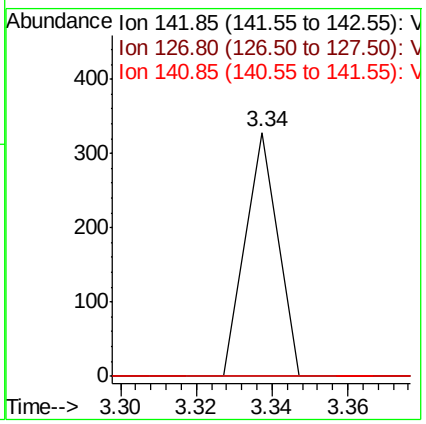


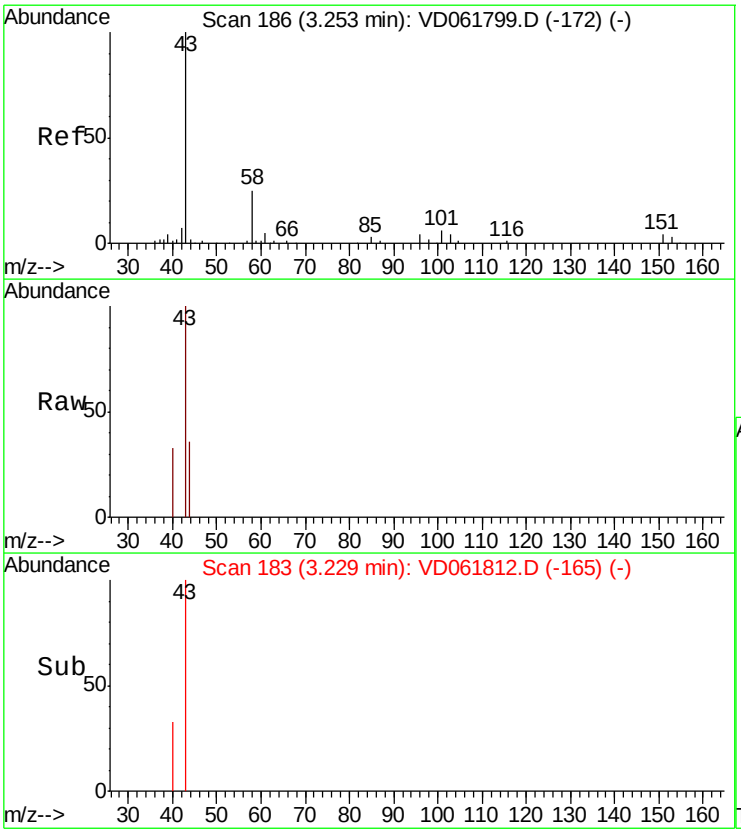
#10
Methyl Iodide
Concen: 3.590 ug/l
RT: 3.34 min Scan# 194
Delta R.T. -0.00 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument : MSVOA_D
ClientSampleId : BCOG02RE

Tgt Ion:142 Resp: 194

Ion	Ratio	Lower	Upper
142	100		
127	0.0	38.8	58.2#
141	0.0	11.4	17.0#

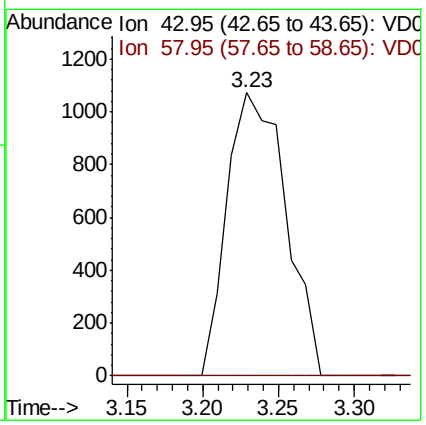


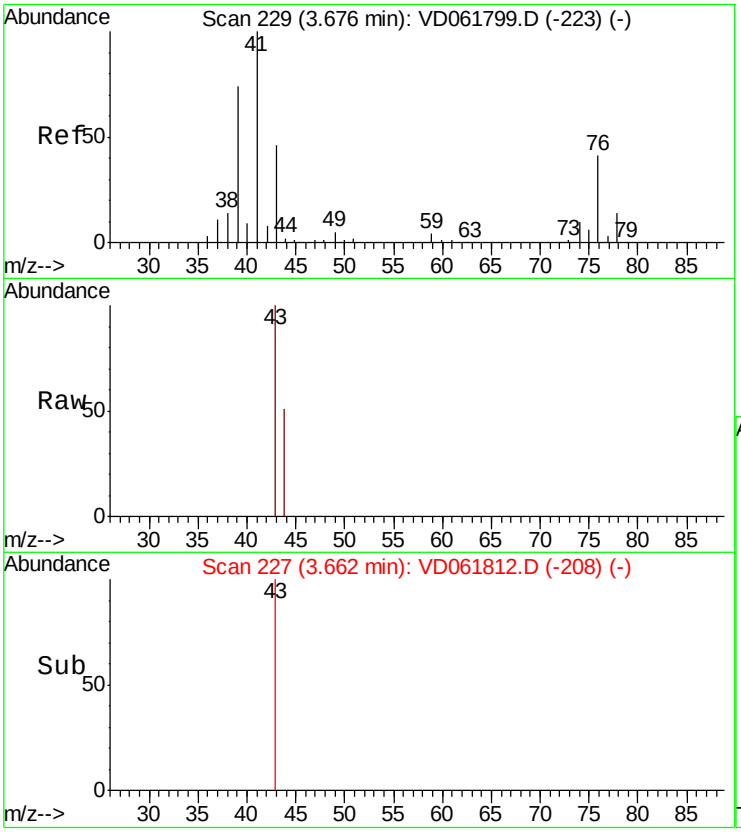


#16
Acetone
Concen: 10.449 ug/l
RT: 3.23 min Scan# 183
Delta R.T. -0.02 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion: 43 Resp: 2909

Ion	Ratio	Lower	Upper
43	100		
58	0.0	19.9	29.9#



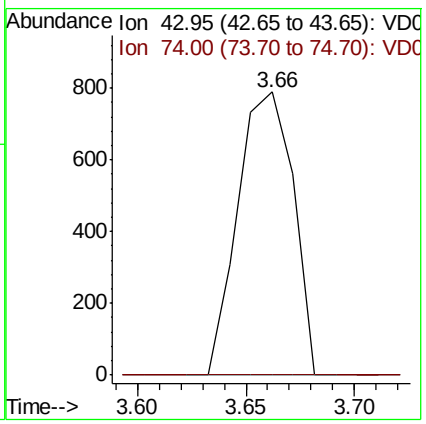


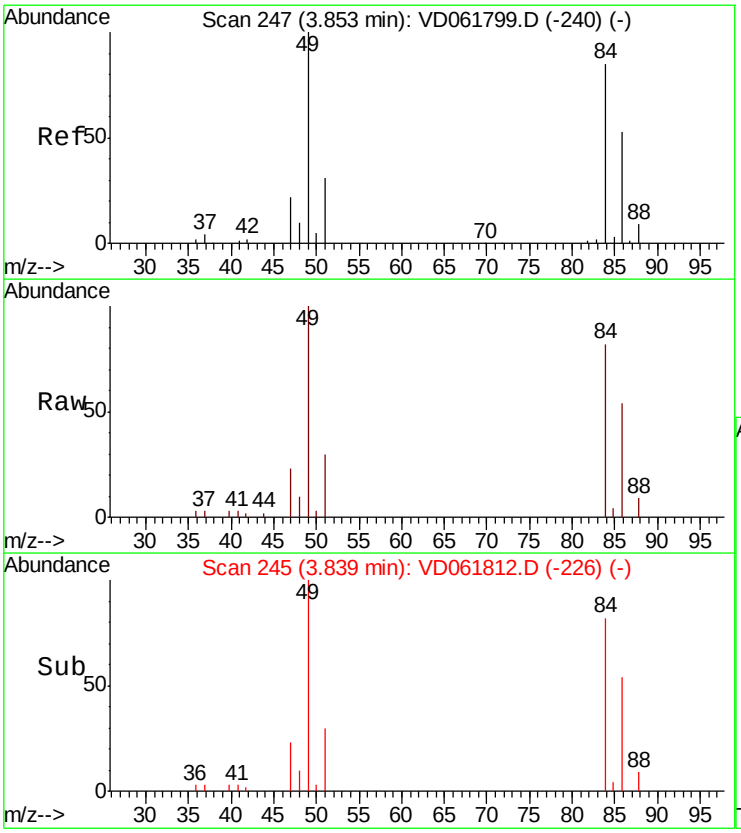
#18
Methyl Acetate
Concen: 2.529 ug/l
RT: 3.66 min Scan# 227
Delta R.T. -0.01 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument : MSVOA_D
ClientSampleId : BCOG02RE

Tgt Ion: 43 Resp: 1411

Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.0	27.0#

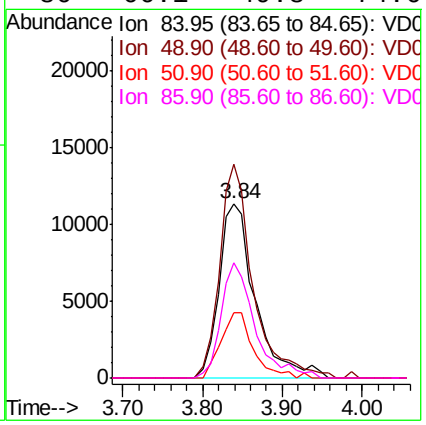


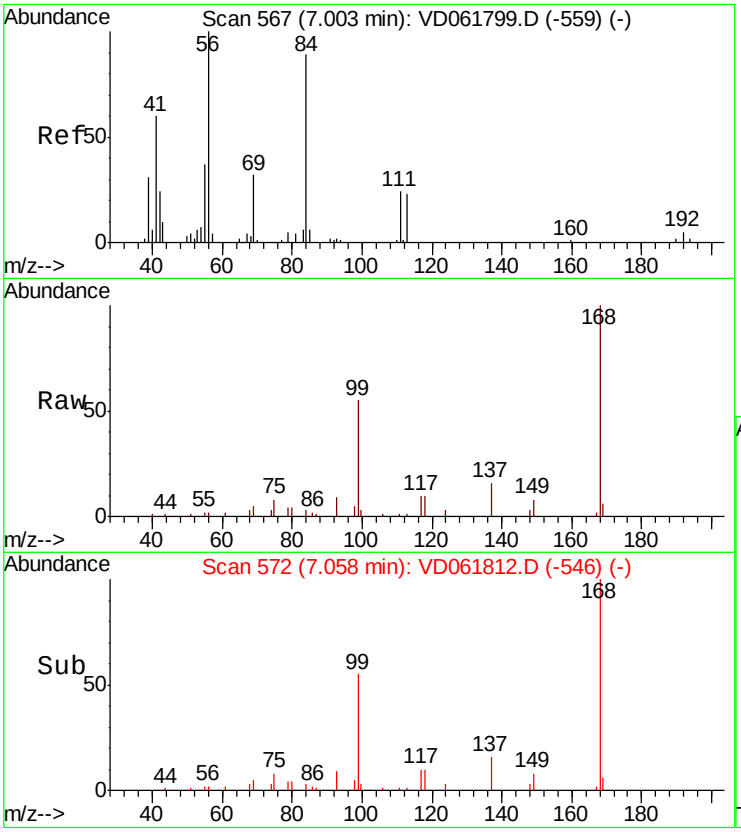


#20
Methylene Chloride
Concen: 23.416 ug/l
RT: 3.84 min Scan# 245
Delta R.T. -0.01 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion: 84 Resp: 35780

Ion	Ratio	Lower	Upper
84	100		
49	122.3	94.0	141.0
51	37.2	29.0	43.4
86	66.1	49.8	74.6



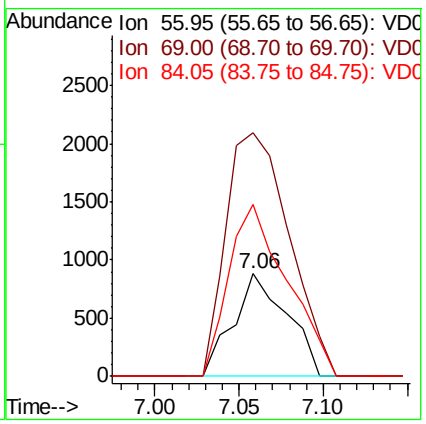


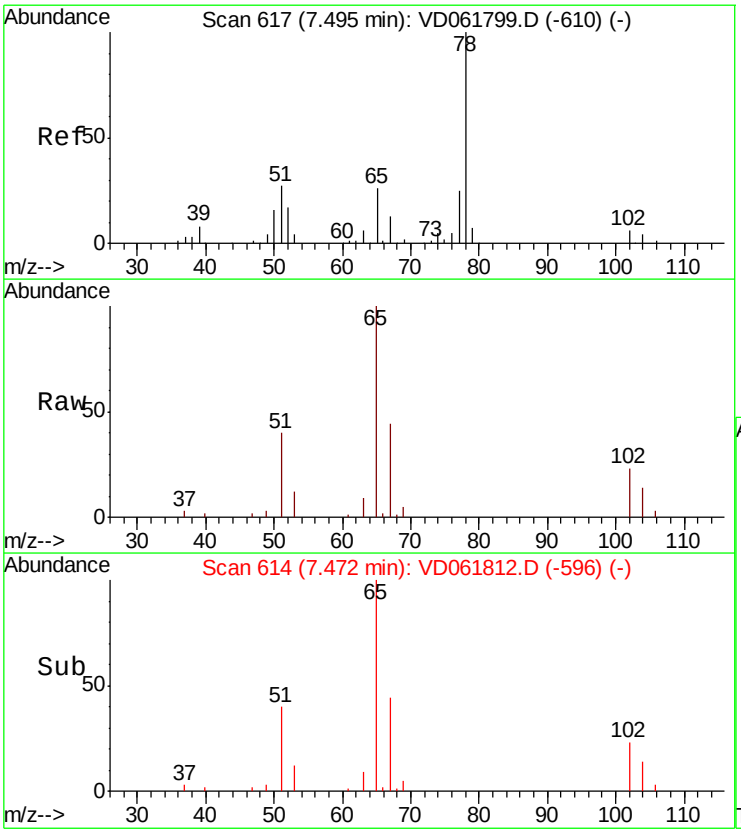
#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.06 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument : MSVOA_D
ClientSampleId : BCOG02RE

Tgt Ion: 56 Resp: 1945

Ion	Ratio	Lower	Upper
56	100		
69	238.1	25.8	38.6#
84	168.0	72.2	108.4#

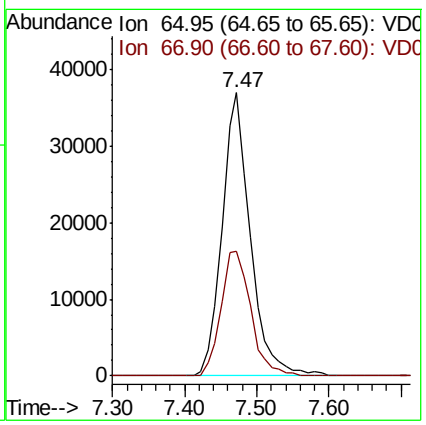


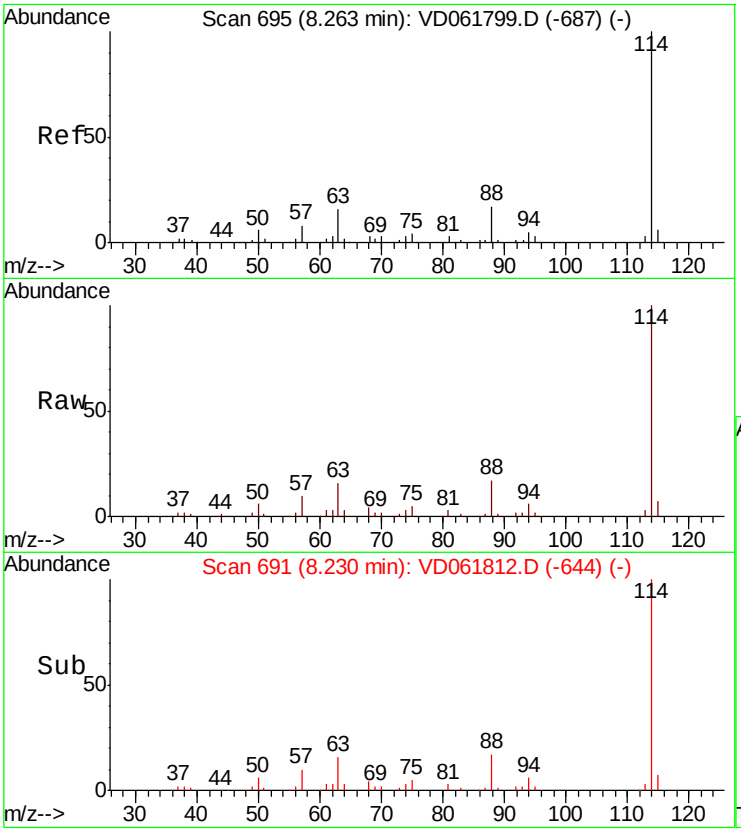


#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.02 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion: 65 Resp: 99814

Ion	Ratio	Lower	Upper
65	100		
67	44.1	0.0	98.0



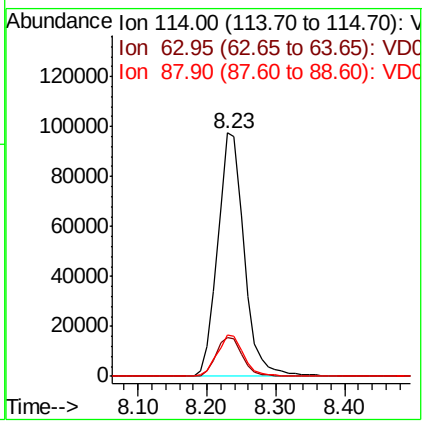


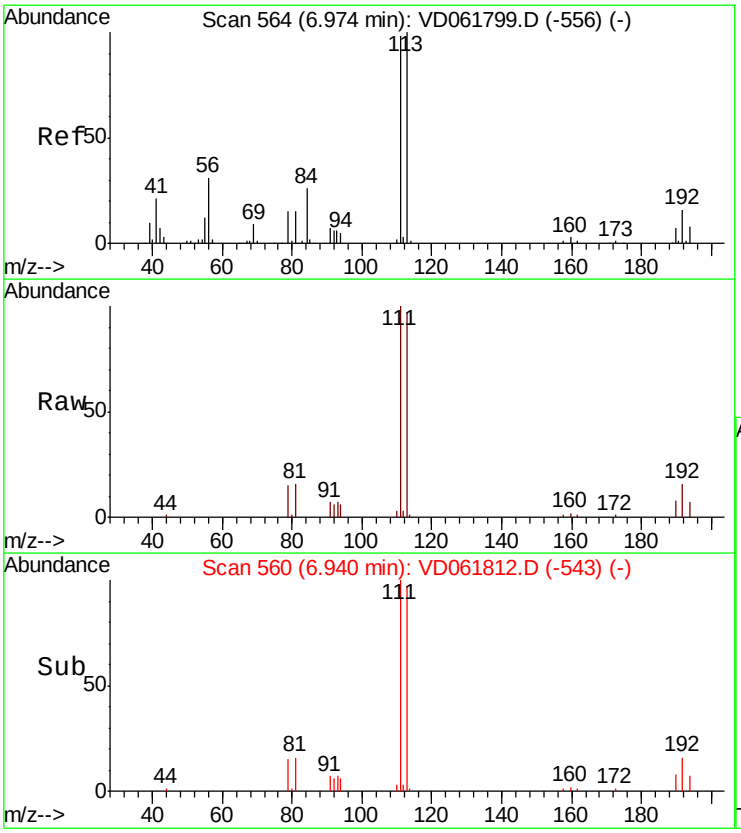
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 691
Delta R.T. -0.03 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion:114 Resp: 259959

Ion	Ratio	Lower	Upper
114	100		
63	15.8	0.0	32.4
88	17.2	0.0	33.6

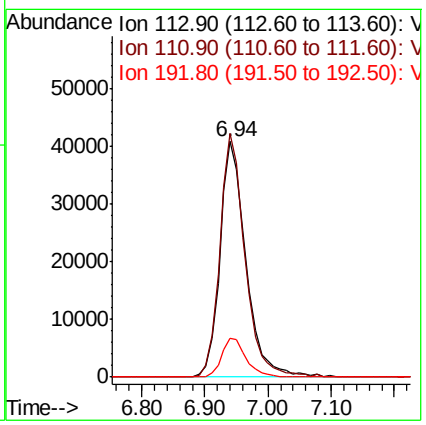


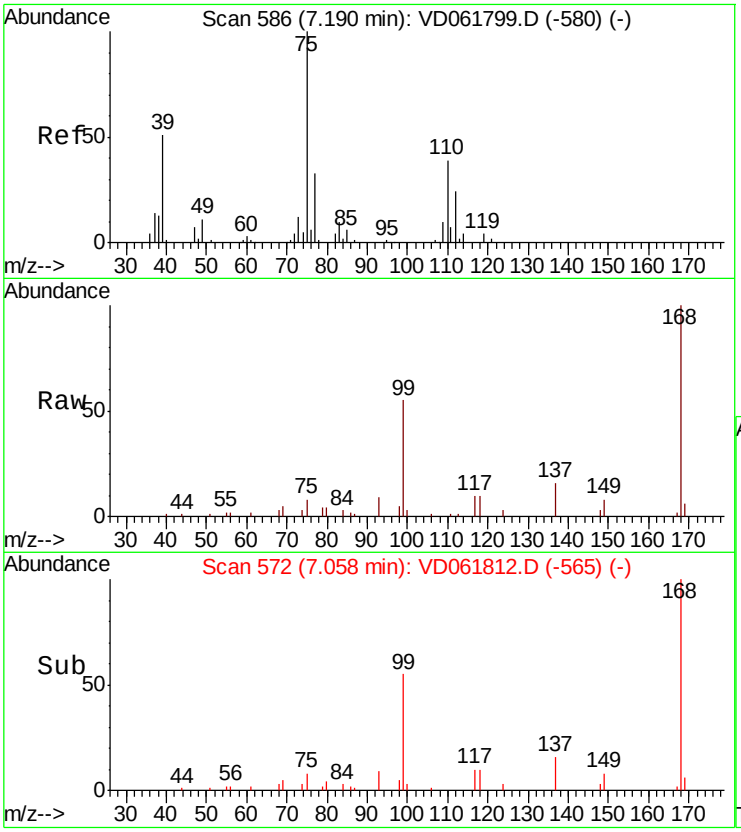


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion:113 Resp: 116115

Ion	Ratio	Lower	Upper
113	100		
111	103.4	78.5	117.7
192	16.4	13.0	19.4



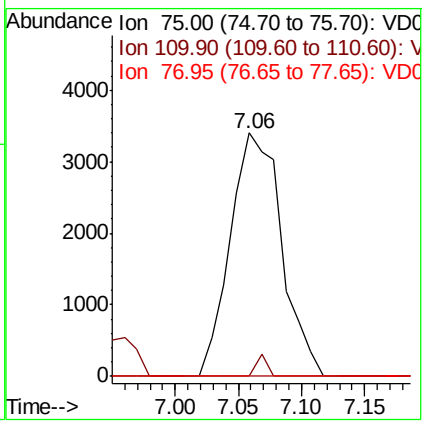


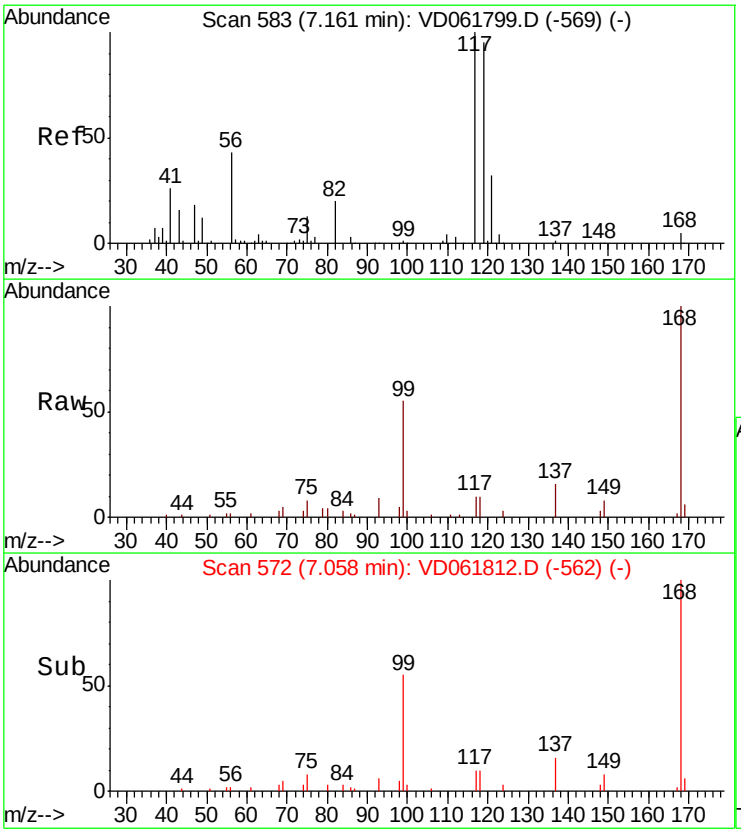
#36
1,1-Dichloropropene
Concen: 4.516 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.13 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument : MSVOA_D
ClientSampleId : BCOG02RE

Tgt Ion: 75 Resp: 9594

Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.1	57.1#
77	0.0	25.6	38.4#

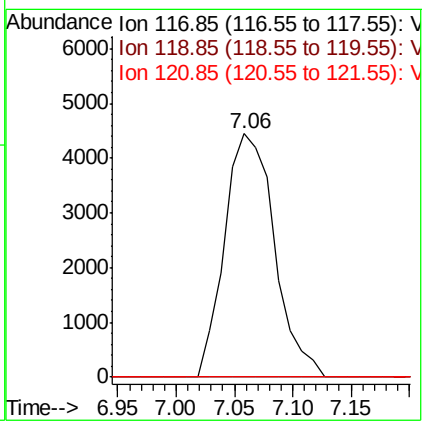


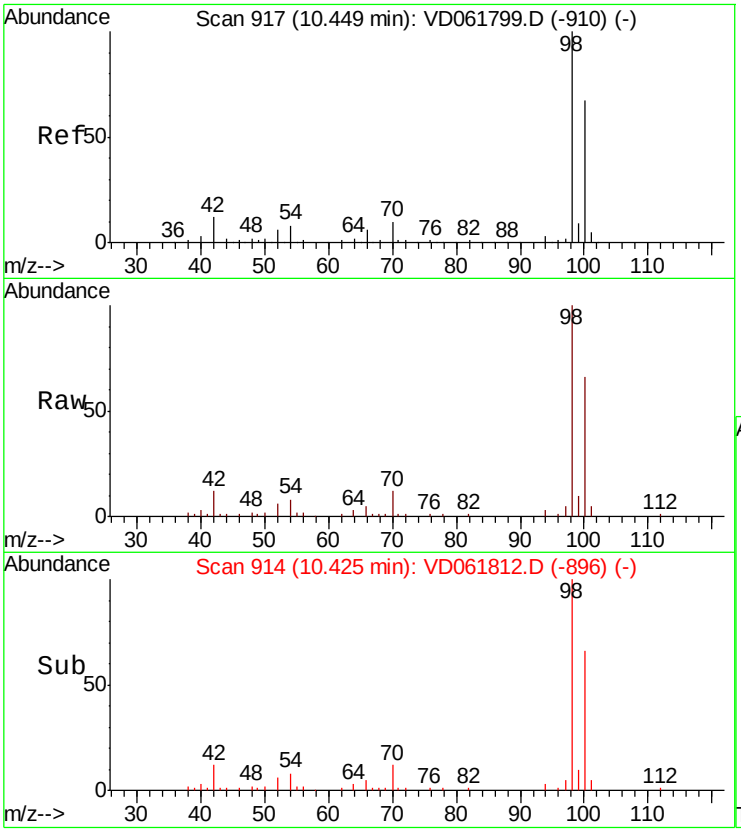


#38
Carbon Tetrachloride
Concen: 4.914 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.10 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion:117 Resp: 13182

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
121	0.0	25.9	38.9#



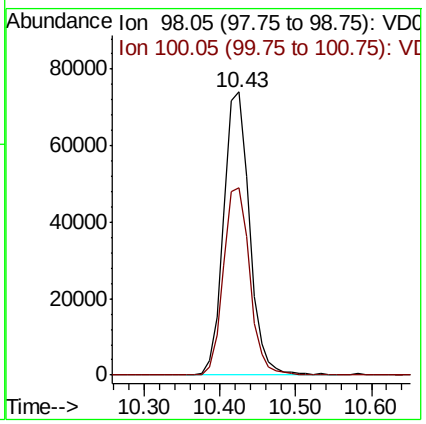


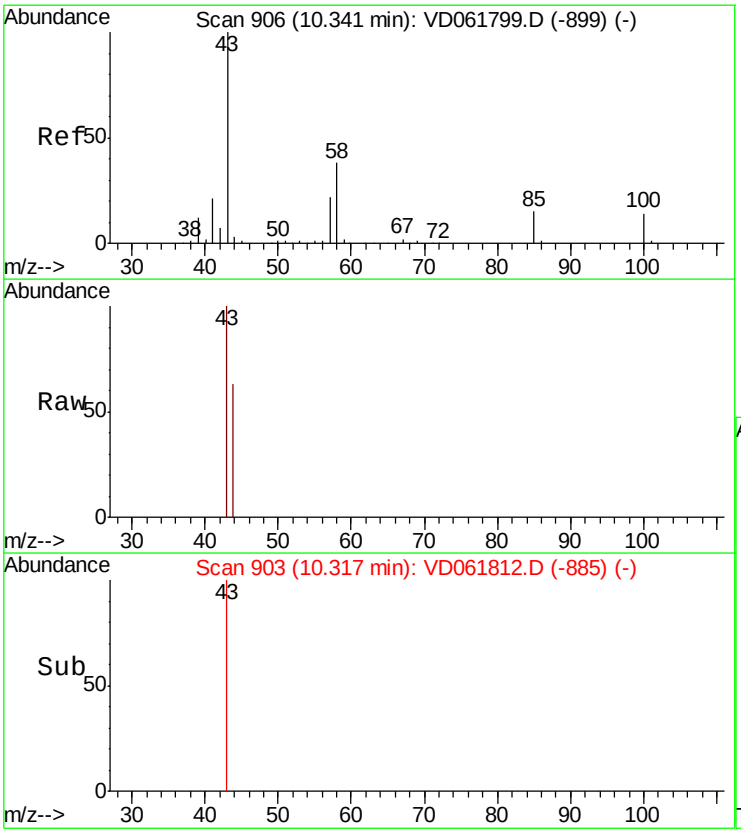
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 914
Delta R.T. -0.02 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion: 98 Resp: 174572

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.8	80.8

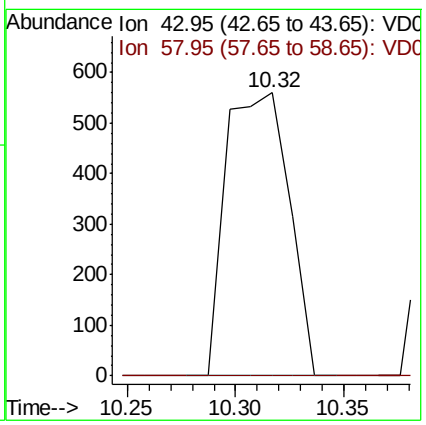


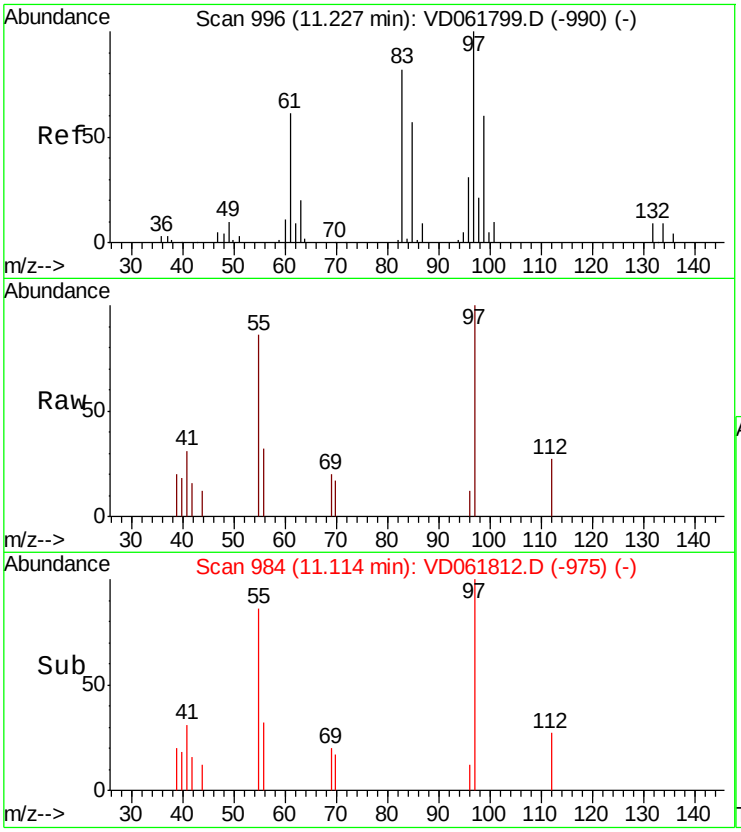


#51
4-Methyl-2-Pentanone
Concen: 1.460 ug/l
RT: 10.32 min Scan# 903
Delta R.T. -0.02 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion: 43 Resp: 1142

Ion	Ratio	Lower	Upper
43	100		
58	0.0	30.4	45.6#



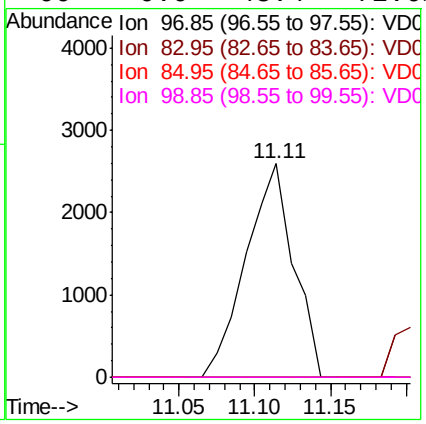


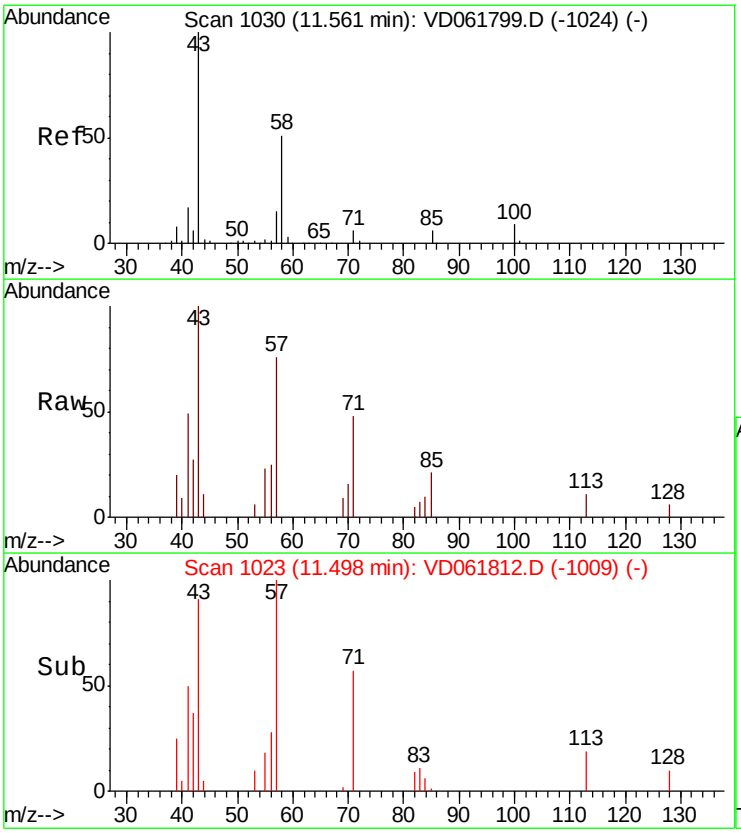
#55
1,1,2-Trichloroethane
Concen: 5.170 ug/l
RT: 11.11 min Scan# 984
Delta R.T. -0.11 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion: 97 Resp: 5694

Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.7	98.5#
85	0.0	45.6	68.4#
99	0.0	48.4	72.6#

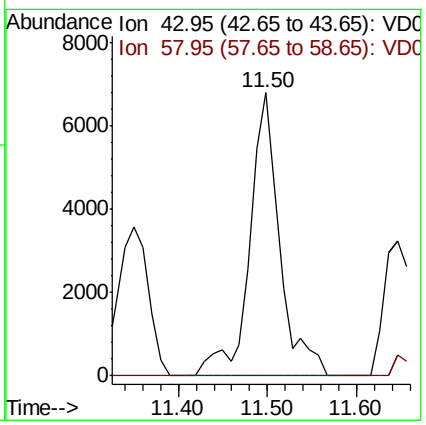


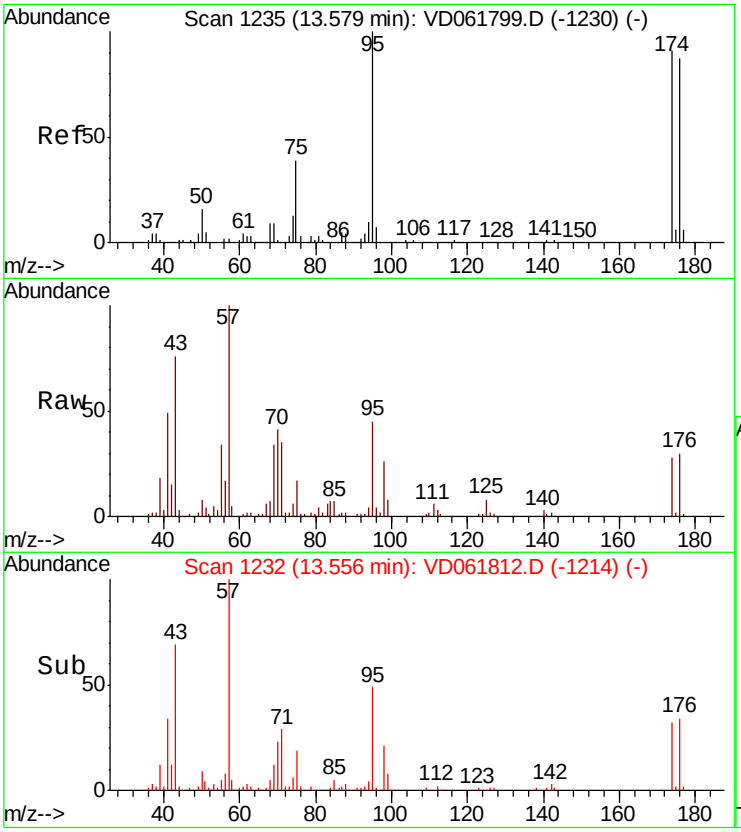


#59
2-Hexanone
Concen: 27.179 ug/l
RT: 11.50 min Scan# 1023
Delta R.T. -0.06 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion: 43 Resp: 15794

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.4	76.4#



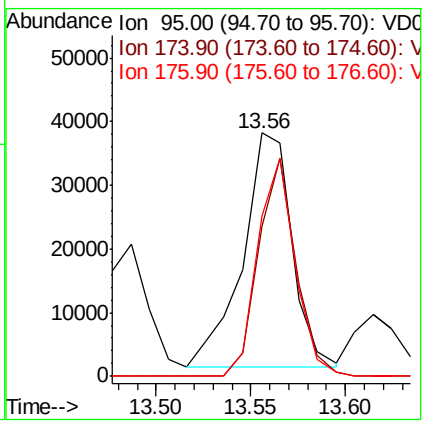


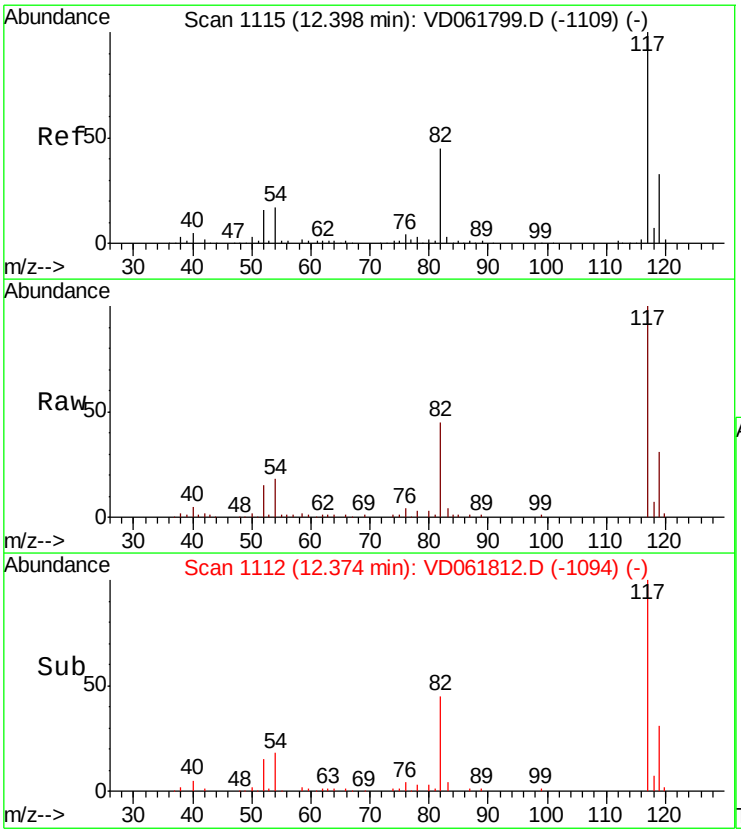
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion: 95 Resp: 66022

Ion	Ratio	Lower	Upper
95	100		
174	61.7	0.0	181.8
176	65.9	0.0	174.4

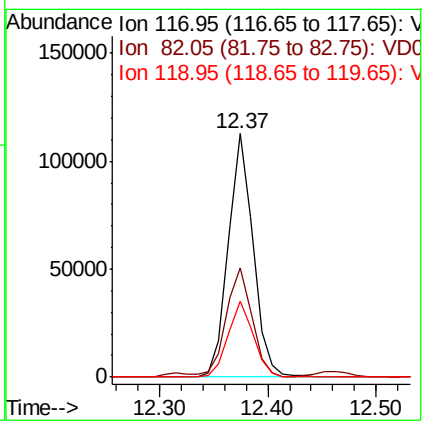


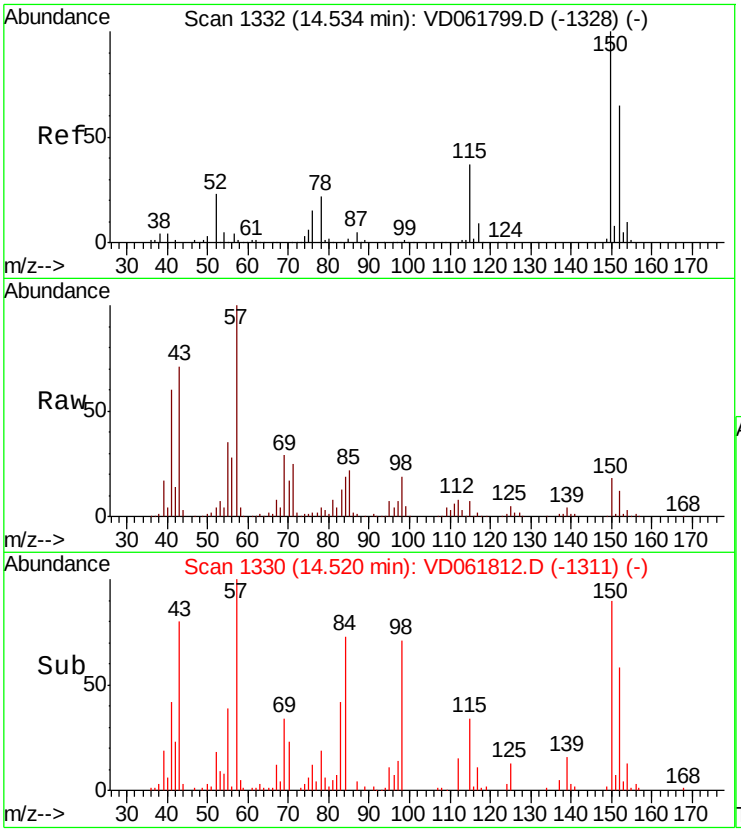


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion:117 Resp: 180736

Ion	Ratio	Lower	Upper
117	100		
82	44.9	36.2	54.2
119	31.1	26.2	39.4



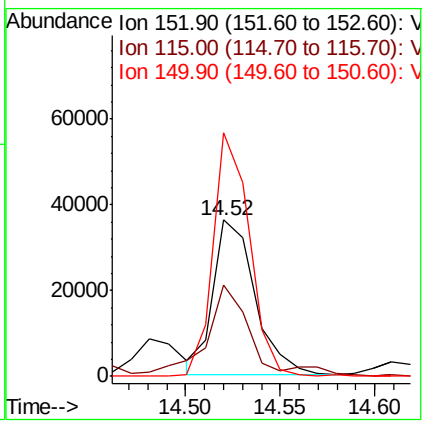


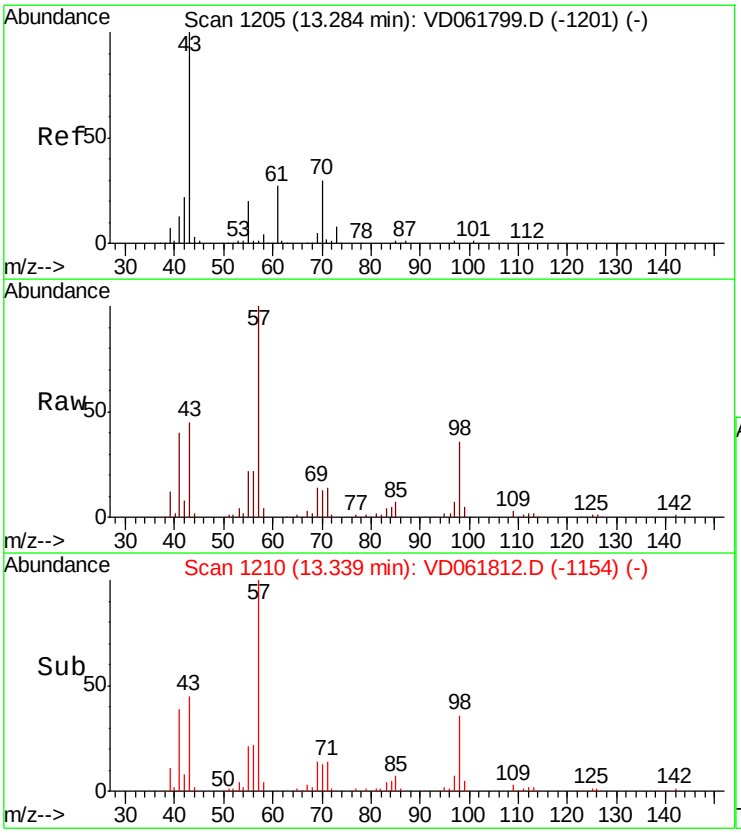
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion:152 Resp: 55003

Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.9	92.7
150	156.0	0.0	314.8

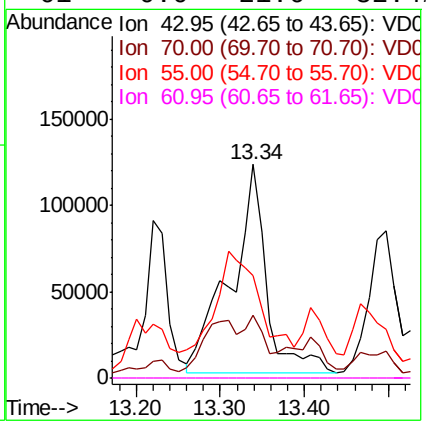


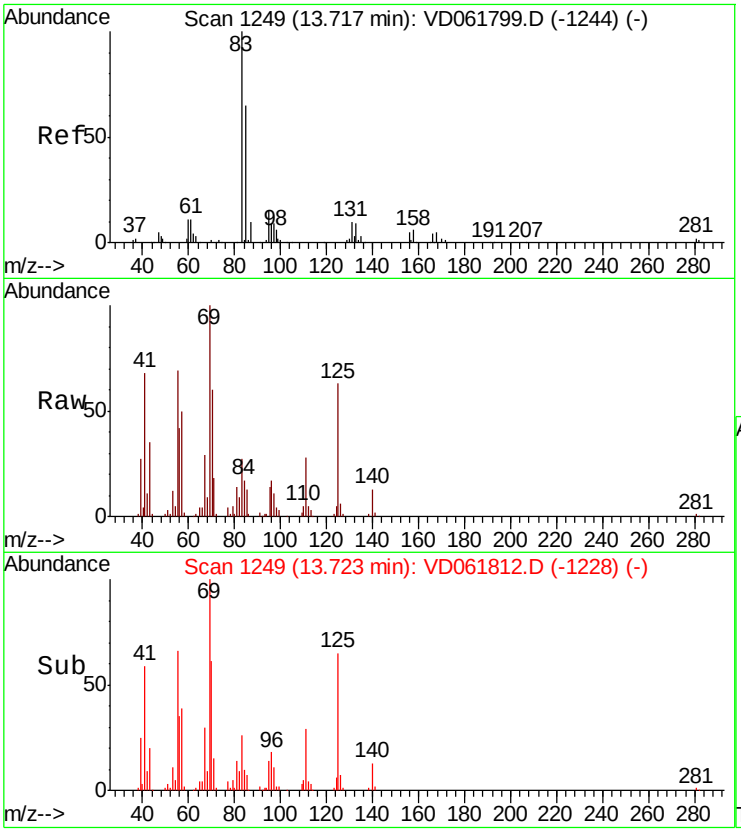


#74
N-amyl acetate
Concen: 371.507 ug/l
RT: 13.34 min Scan# 1210
Delta R.T. 0.06 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion: 43 Resp: 356356

Ion	Ratio	Lower	Upper
43	100		
70	29.4	24.2	36.4
55	47.9	16.0	24.0#
61	0.0	21.6	32.4#



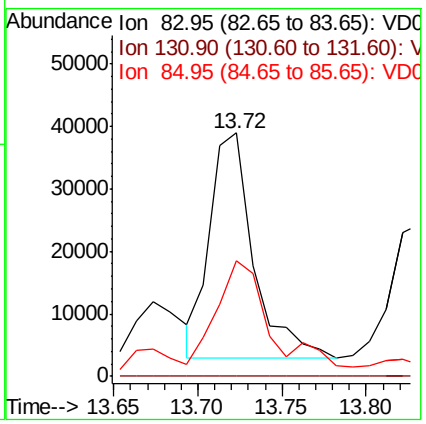


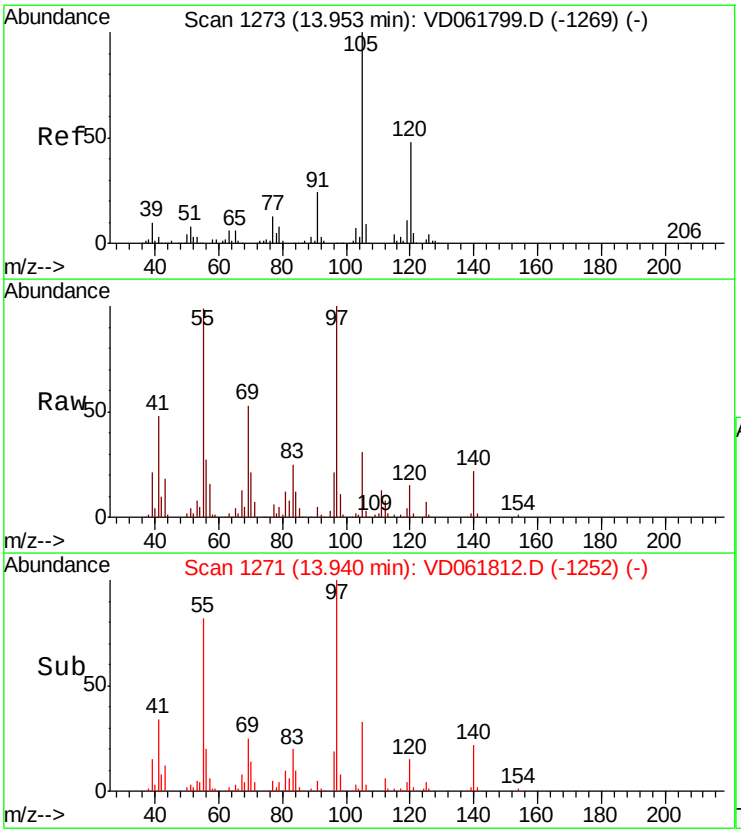
#75
1,1,2,2-Tetrachloroethane
Concen: 92.687 ug/l
RT: 13.72 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion: 83 Resp: 65354

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	47.5	32.6	97.7

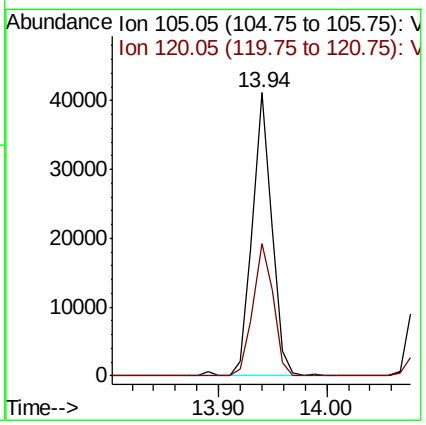


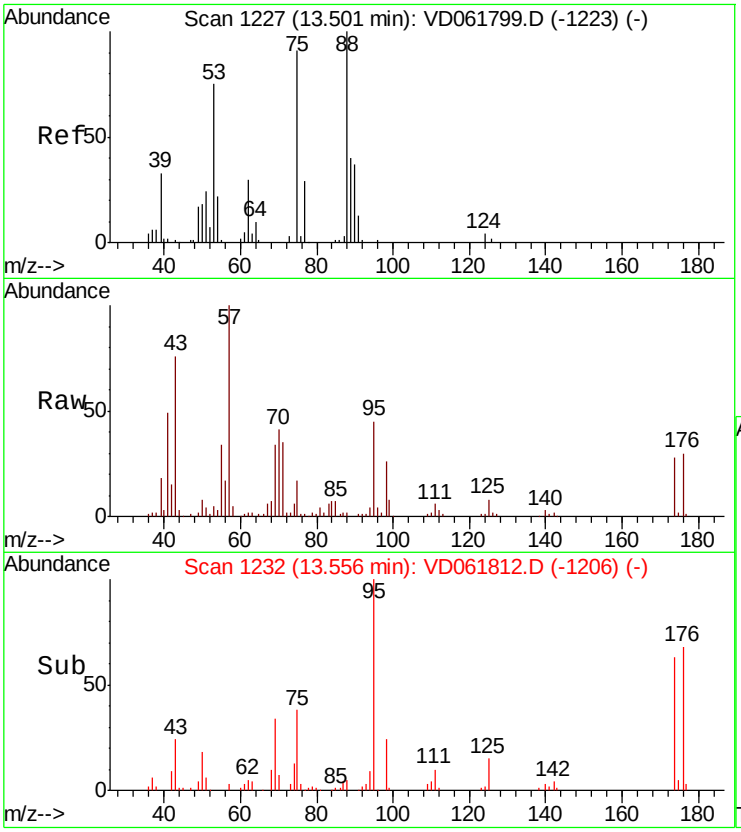


#80
1,3,5-Trimethylbenzene
Concen: 18.357 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion:105 Resp: 51958

Ion	Ratio	Lower	Upper
105	100		
120	46.5	24.0	72.0



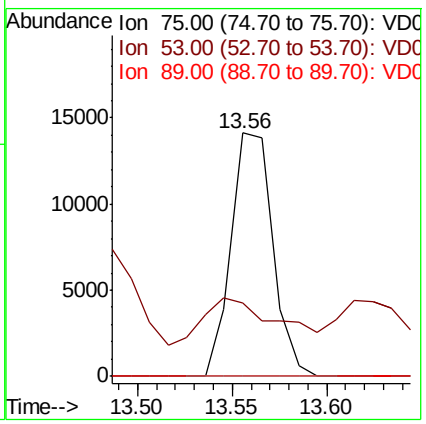


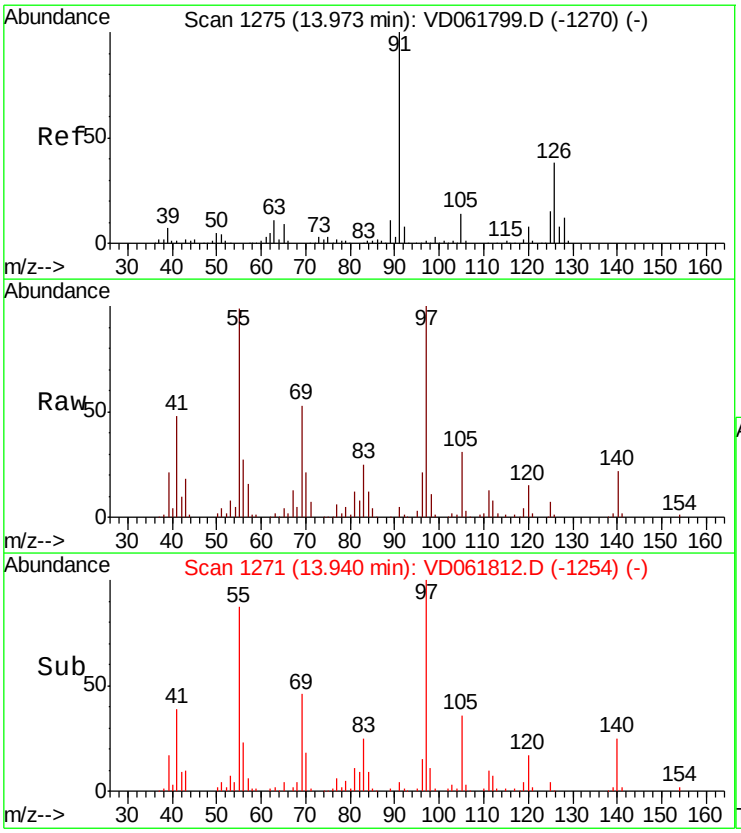
#81
trans-1,4-Dichloro-2-butene
Concen: 89.024 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.06 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion: 75 Resp: 21493

Ion	Ratio	Lower	Upper
75	100		
53	30.3	65.8	98.8#
89	0.0	35.0	52.6#

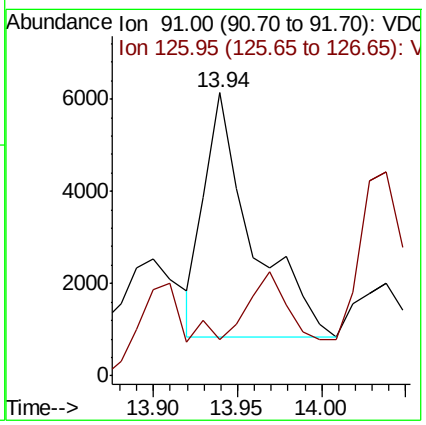


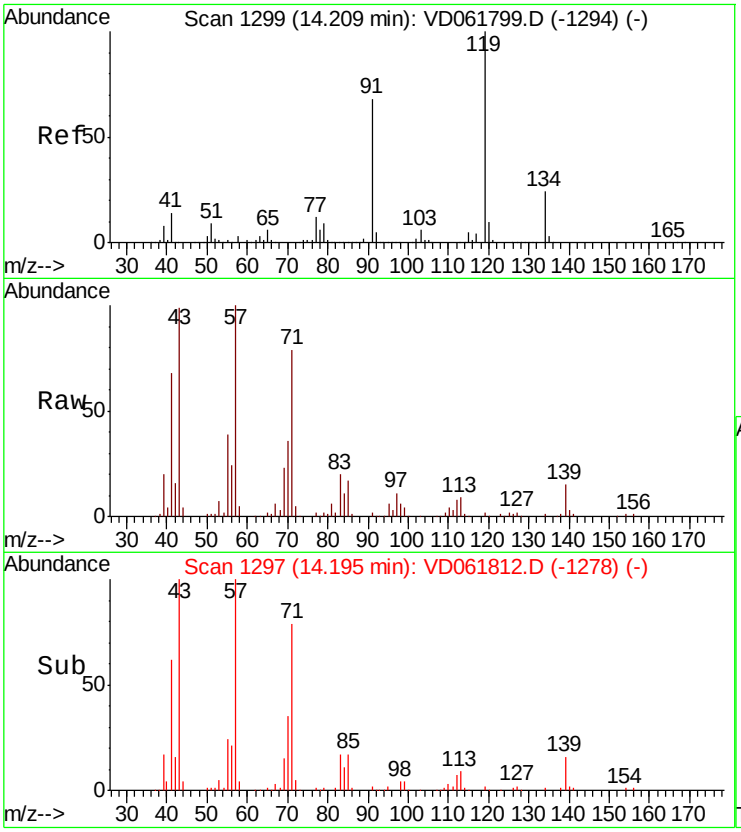


#82
4-Chlorotoluene
Concen: 3.771 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.03 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion: 91 Resp: 10391

Ion	Ratio	Lower	Upper
91	100		
126	13.0	19.1	57.5#



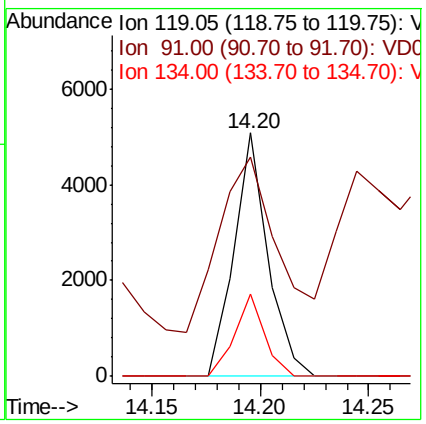


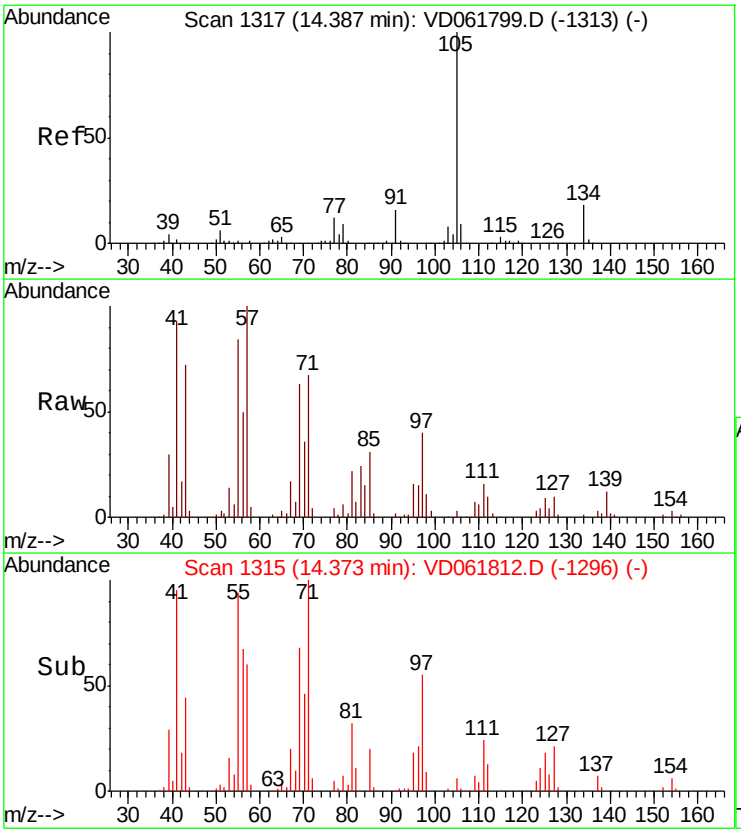
#83
tert-Butylbenzene
Concen: 1.662 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. -0.01 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion:119 Resp: 5525

Ion	Ratio	Lower	Upper
119	100		
91	89.9	34.2	102.6
134	33.8	12.0	36.0

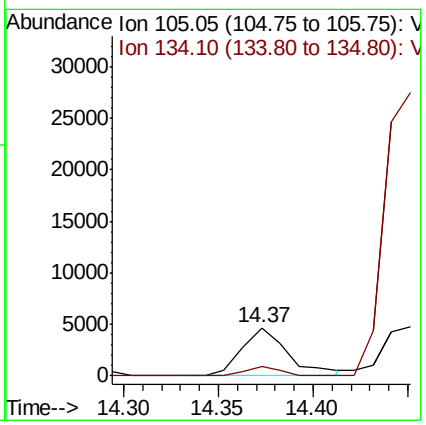


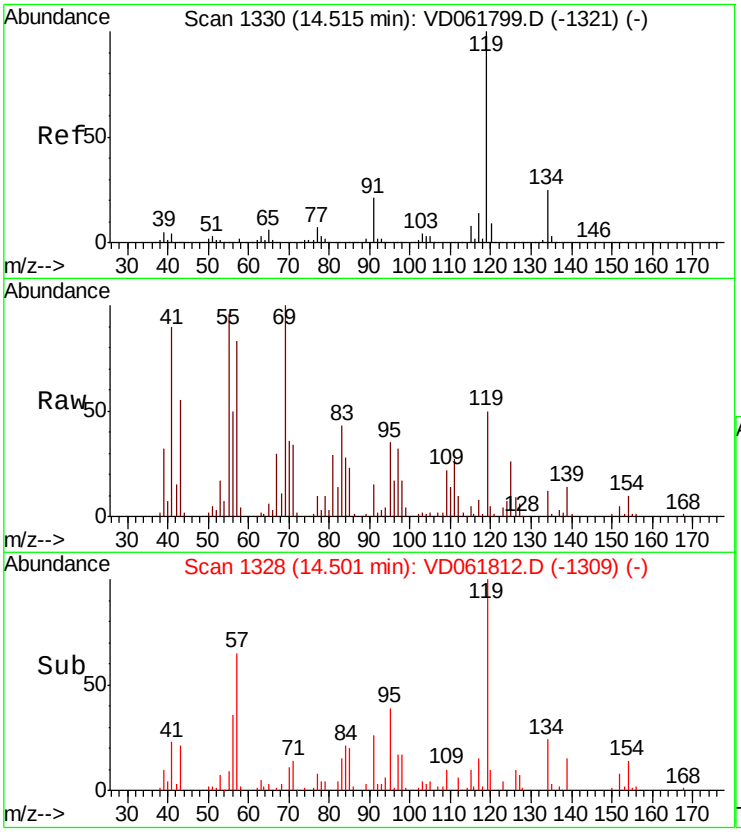


#85
sec-Butylbenzene
Concen: 2.298 ug/l
RT: 14.37 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion:105 Resp: 7894

Ion	Ratio	Lower	Upper
105	100		
134	20.4	8.9	26.7



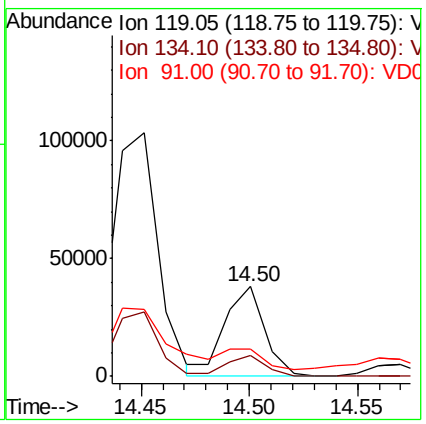


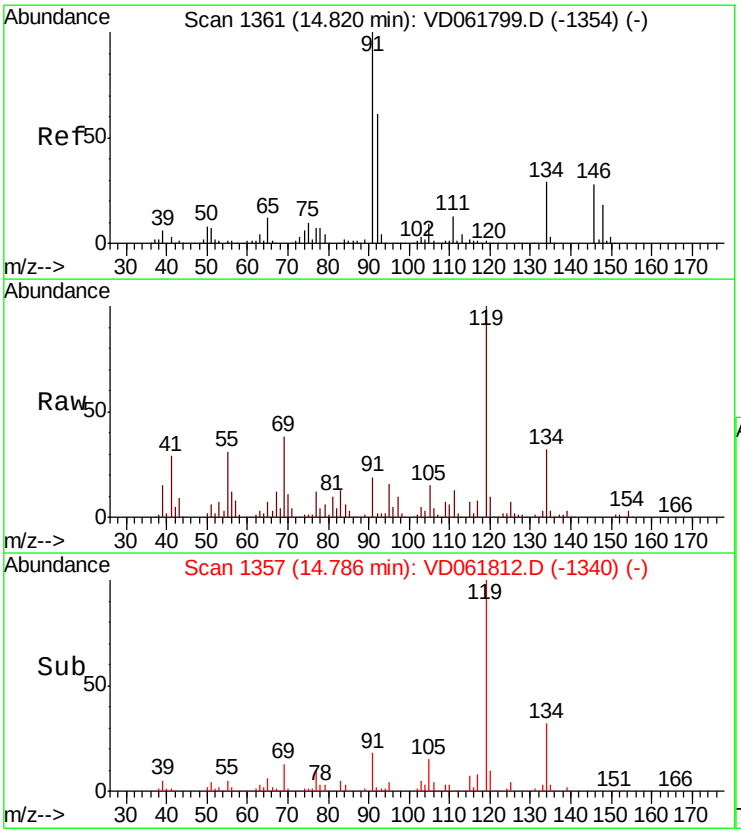
#86
p-Isopropyltoluene
Concen: 15.452 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion:119 Resp: 49670

Ion	Ratio	Lower	Upper
119	100		
134	23.8	12.8	38.3
91	31.0	10.7	32.1

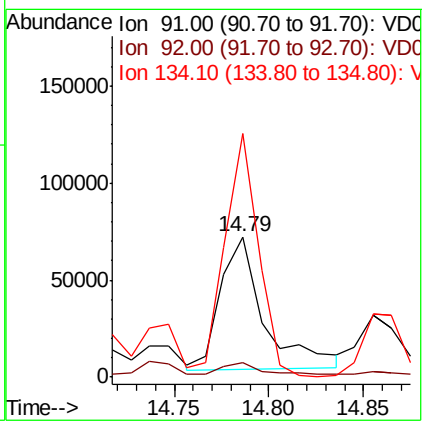


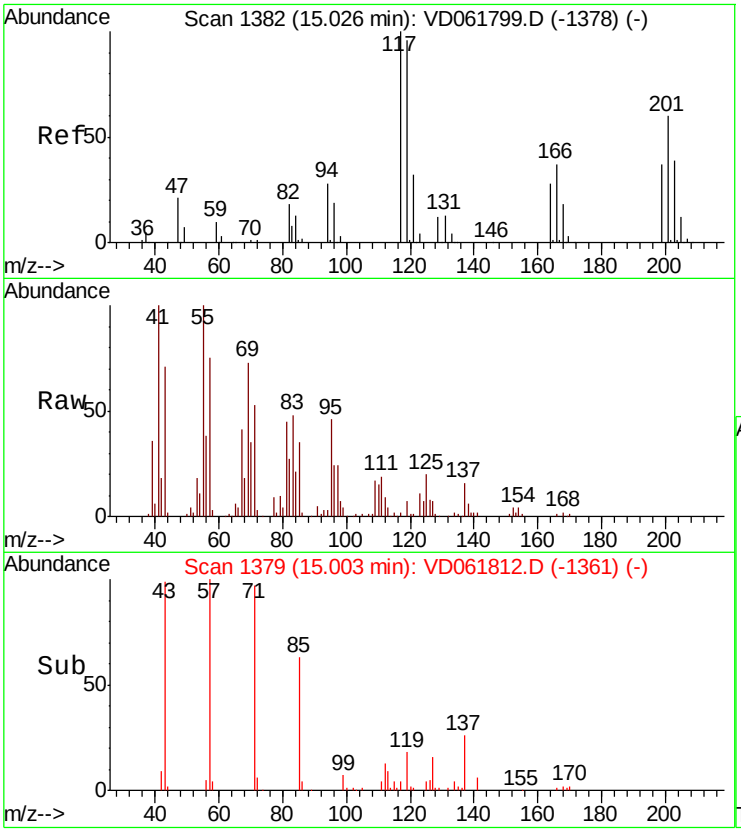


#89
n-Butylbenzene
Concen: 38.310 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion: 91 Resp: 109009

Ion	Ratio	Lower	Upper
91	100		
92	10.1	30.3	91.0#
134	174.0	14.5	43.6#



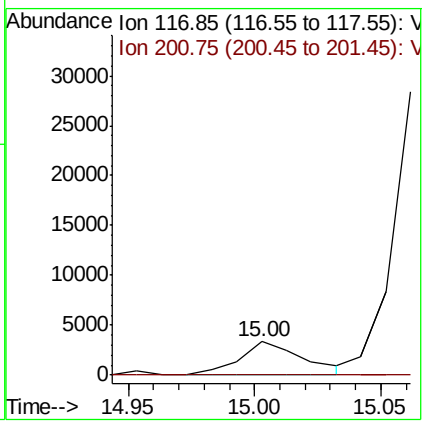


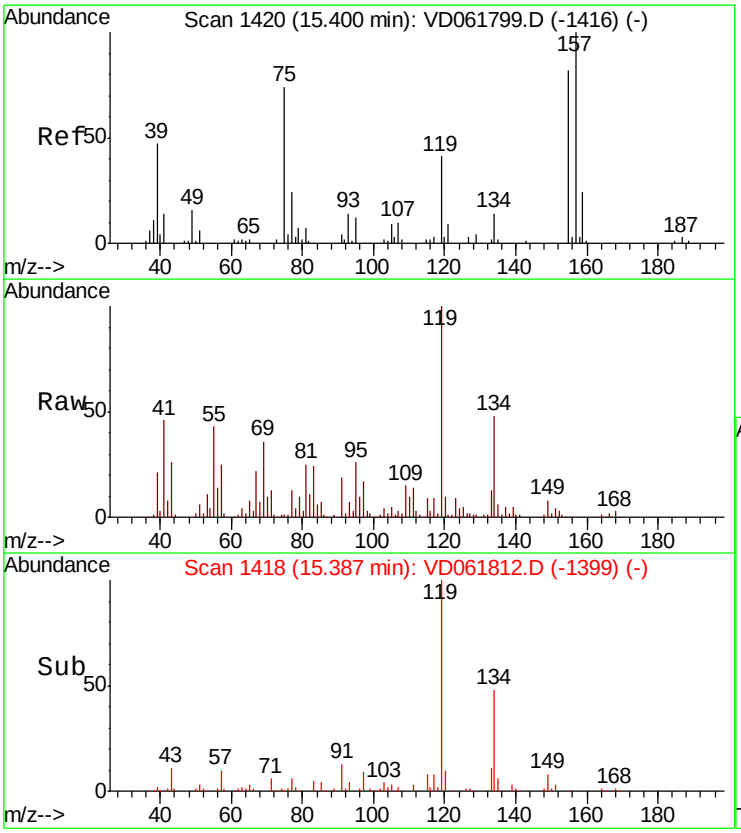
#90
Hexachloroethane
Concen: 6.797 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.02 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion:117 Resp: 5955

Ion	Ratio	Lower	Upper
117	100		
201	0.0	30.2	90.6#

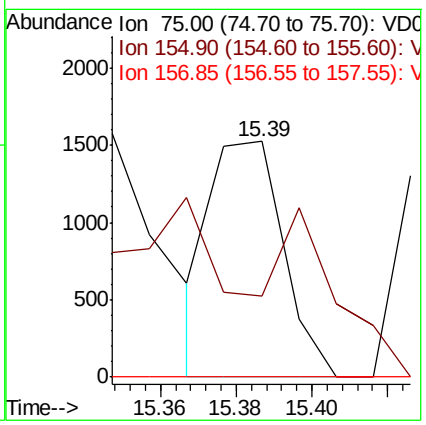


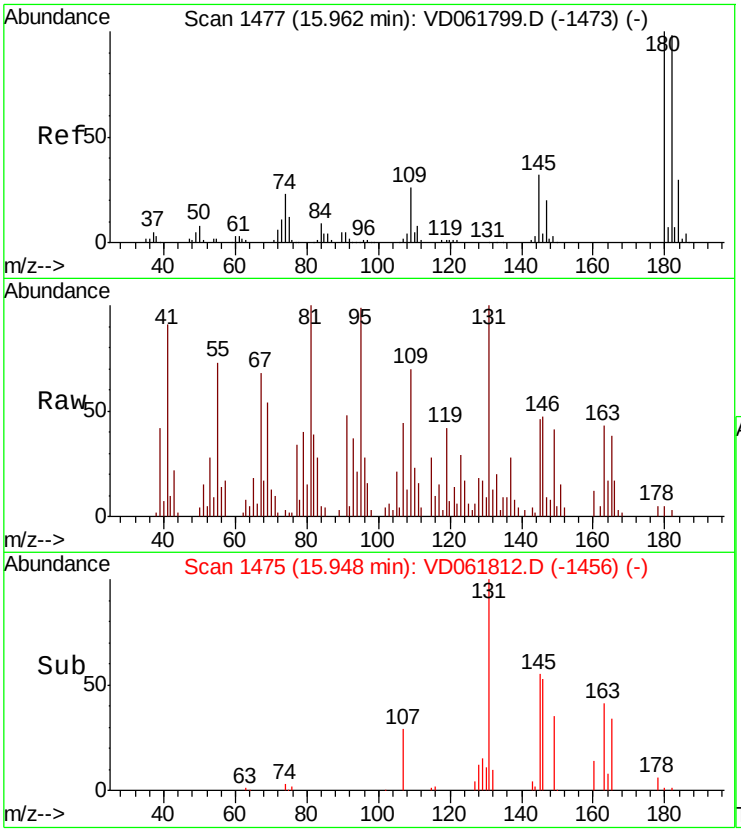


#92
1,2-Dibromo-3-Chloropropane
Concen: 23.419 ug/l
RT: 15.39 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion: 75 Resp: 2009

Ion	Ratio	Lower	Upper
75	100		
155	34.5	55.3	165.8#
157	0.0	67.8	203.2#



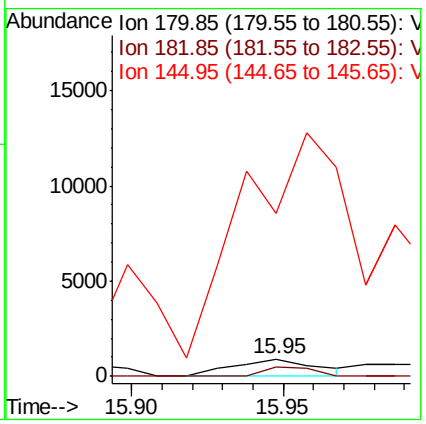


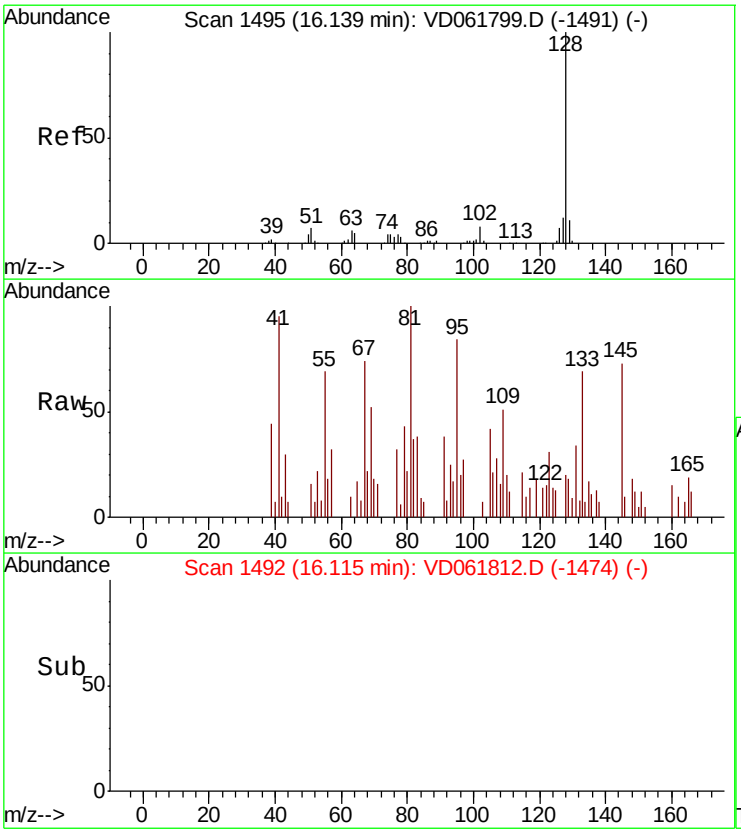
#93
1,2,4-Trichlorobenzene
Concen: 2.160 ug/l
RT: 15.95 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Instrument :
MSVOA_D
ClientSampleId :
BCOG02RE

Tgt Ion:180 Resp: 1758

Ion	Ratio	Lower	Upper
180	100		
182	53.8	49.3	147.8
145	956.0	16.2	48.6#





#95
Naphthalene
Concen: 1.680 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.02 min
Lab File: VD061812.D
Acq: 16 Apr 2019 15:39

Tgt Ion:128 Resp: 2096

Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.8	14.8#
129	91.4	8.8	13.2#