Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081219\
Data File : VD063486.D
Acq On : 12 Aug 2019 14:38
Operator : JC/SY
Sample : K4244-03
Misc : 6.05g/5ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : BERGEN-SP-2

Quant Time: Aug 13 07:45:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	36478	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	74349	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	49532	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	25576	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	74191	190.27	ug/l	-0.02
Spiked Amount 50.000			Recovery = 380.54%			
35) Dibromofluoromethane	6.92	113	52042	83.11	ug/l	-0.02
Spiked Amount 50.000			Recovery = 166.22%			
50) Toluene-d8	10.40	98	26605	19.33	ug/l	-0.02
Spiked Amount 50.000			Recovery = 38.66%			
62) 4-Bromofluorobenzene	13.55	95	26125	41.87	ug/l	0.00
Spiked Amount 50.000			Recovery = 83.74%			
Target Compounds						Qvalue
3) Chloromethane	1.74	50	401	1.163	ug/l #	41
5) Bromomethane	2.17	94	2045	12.662	ug/l #	11
6) Chloroethane	2.31	64	202	1.290	ug/l #	1
8) Diethyl Ether	2.85	74	481	5.074	ug/l	99
11) Tert butyl alcohol	4.07	59	512	30.164	ug/l #	71
12) 1,1-Dichloroethene	3.13	96	844	2.863	ug/l #	1
13) Acrolein	3.02	56	370	22.145	ug/l #	18
14) Allyl chloride	3.60	41	1226	2.767	ug/l #	8
15) Acrylonitrile	4.14	53	216	4.804	ug/l #	6
16) Acetone	3.21	43	24588	310.206	ug/l	98
18) Methyl Acetate	3.63	43	9236	61.518	ug/l	92
20) Methylene Chloride	3.81	84	7971	23.256	ug/l #	85
25) 2-Butanone	6.08	43	1334	17.041	ug/l #	58
29) Tetrahydrofuran	6.46	42	12288	336.860	ug/l #	90
36) 1,1-Dichloropropene	7.03	75	2432	3.700	ug/l #	71
41) Methacrylonitrile	6.46	41	8346	24.068	ug/l #	74
59) 2-Hexanone	11.53	43	201	1.094	ug/l #	30
67) Ethyl Benzene	12.46	91	1877	1.163	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.55	75	11083	140.482	ug/l #	1
88) 1,4-Dichlorobenzene	14.54	146	1212	1.571	ug/l #	72
93) 1,2,4-Trichlorobenzene	15.94	180	797	1.587	ug/l #	10
95) Naphthalene	16.12	128	1745	2.293	ug/l #	48

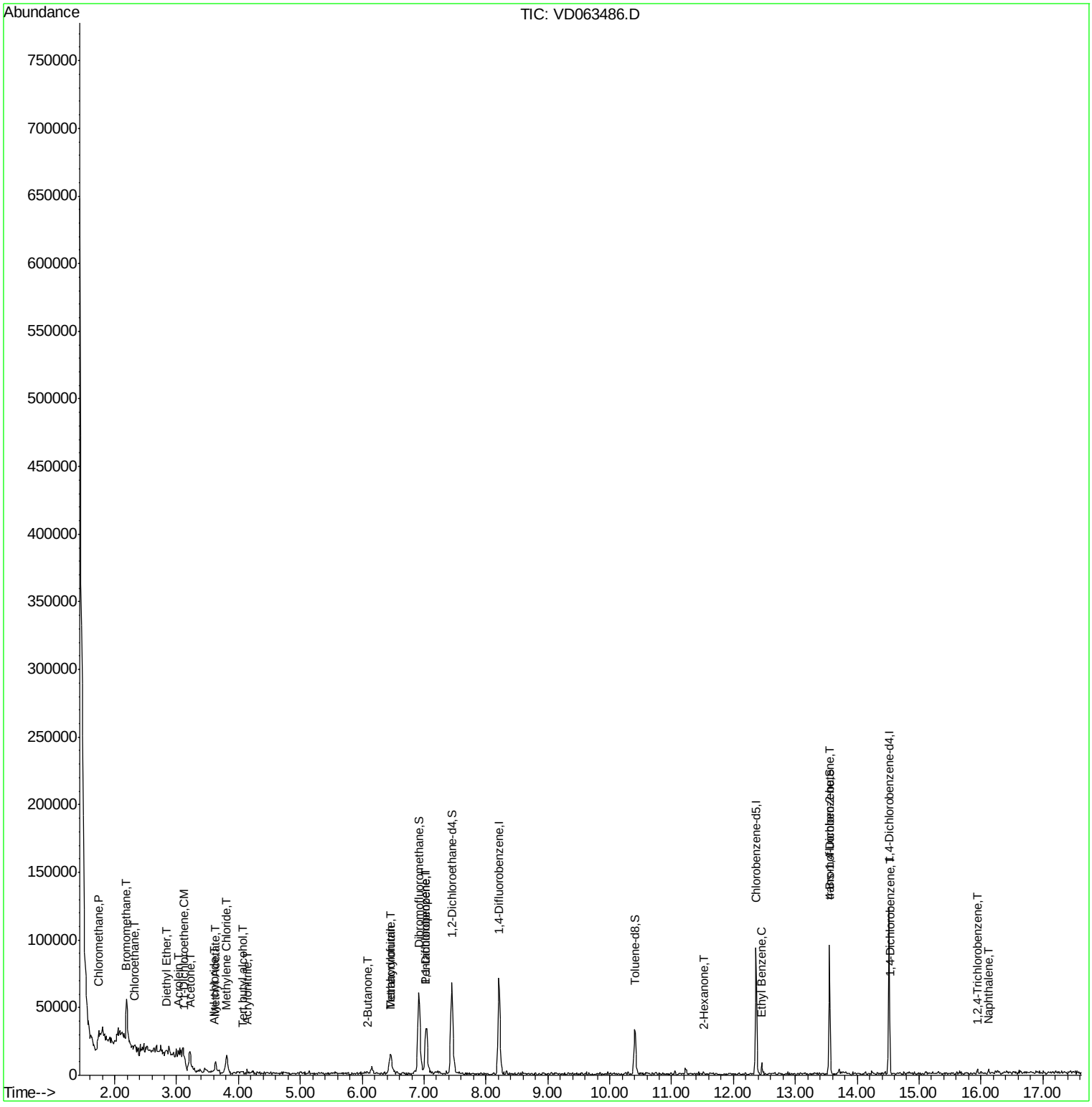
(#) = qualifier out of range (m) = manual integration (+) = signals summed

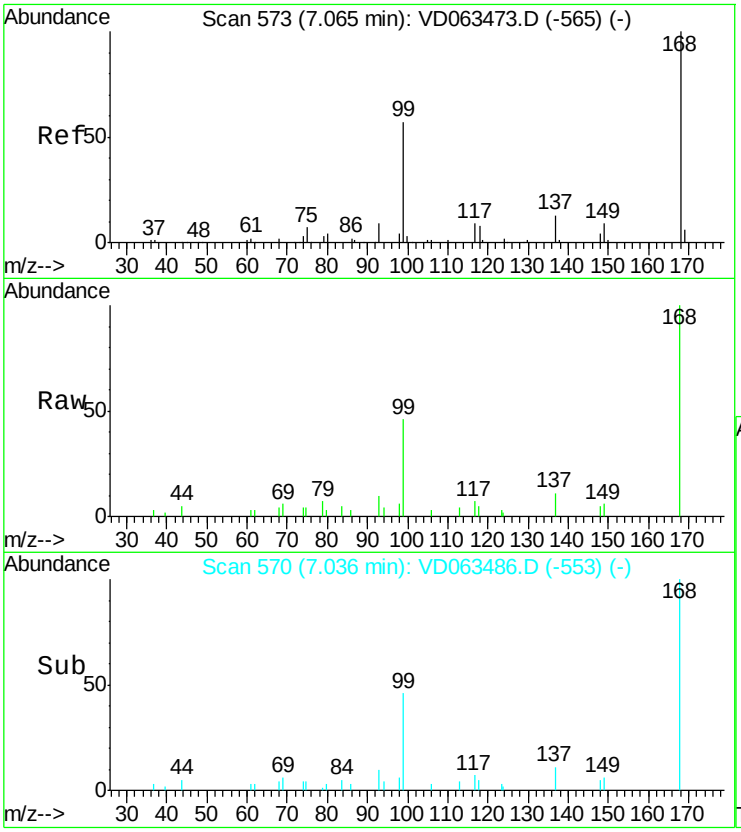
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063486.D
Acq On : 12 Aug 2019 14:38
Operator : JC/SY
Sample : K4244-03
Misc : 6.05g/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BERGEN-SP-2

Quant Time: Aug 13 07:45:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration



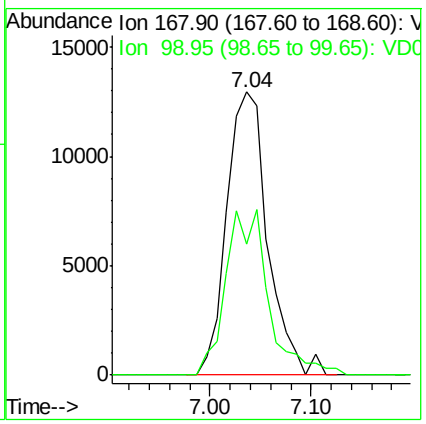


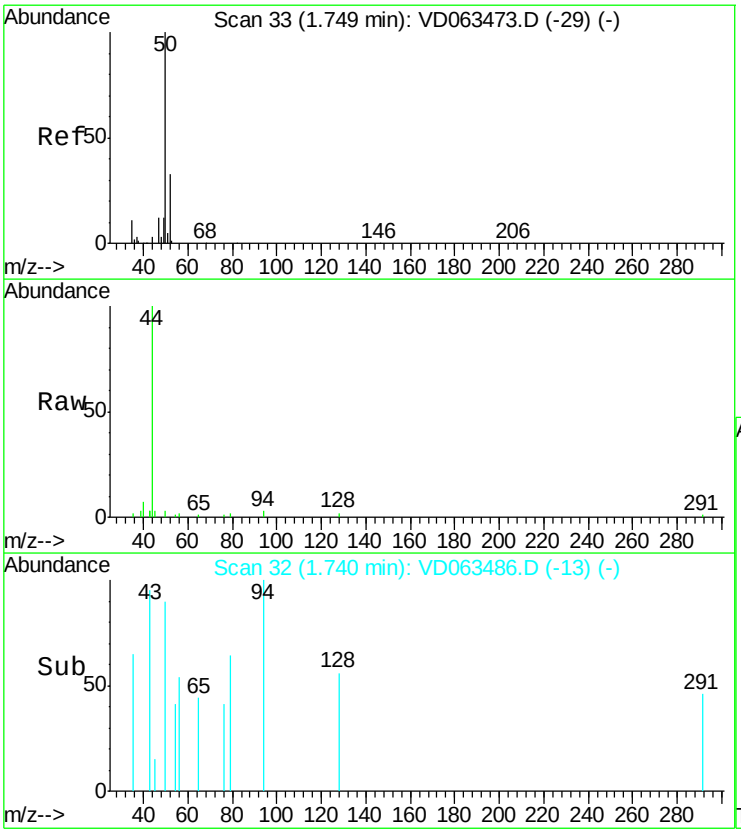
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.03 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
BERGEN-SP-2

Tgt Ion:168 Resp: 36478

Ion	Ratio	Lower	Upper
168	100		
99	46.4	46.7	70.1#

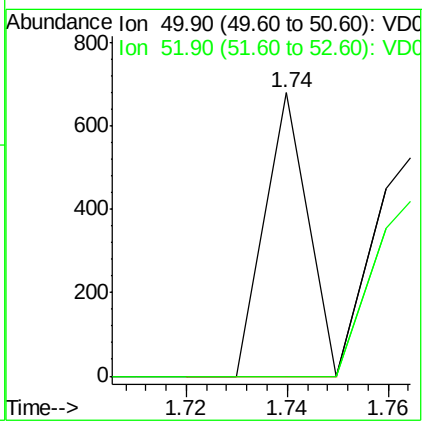


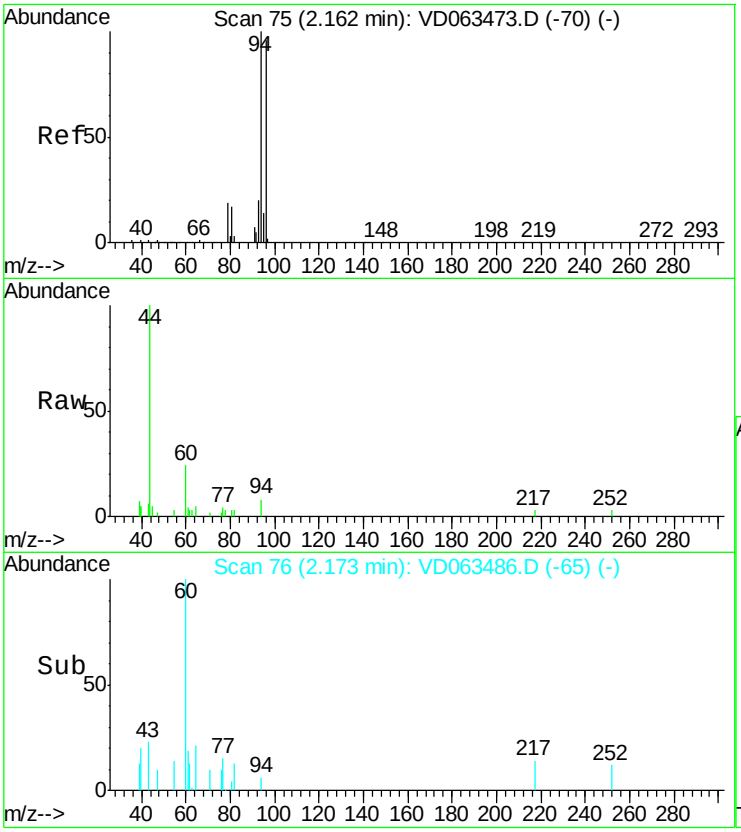


#3
Chloromethane
Concen: 1.163 ug/l
RT: 1.74 min Scan# 32
Delta R.T. -0.01 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 50 Resp: 401

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.6	40.0#



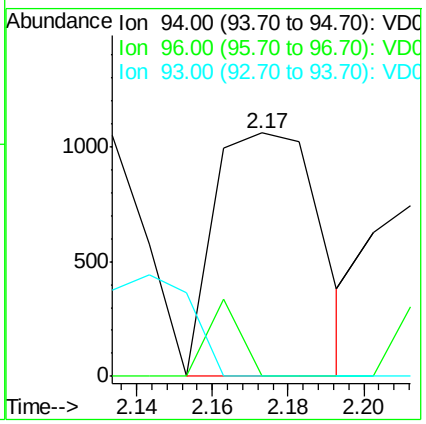


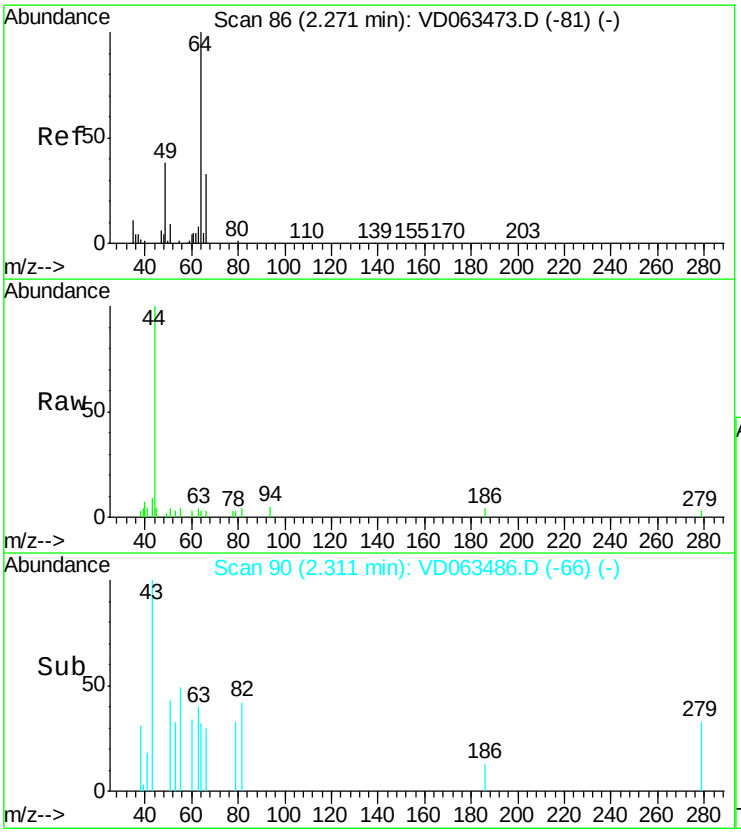
#5
Bromomethane
Concen: 12.662 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.01 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
BERGEN-SP-2

Tgt Ion: 94 Resp: 2045

Ion	Ratio	Lower	Upper
94	100		
96	0.0	76.5	114.7#
93	0.0	15.8	23.8#

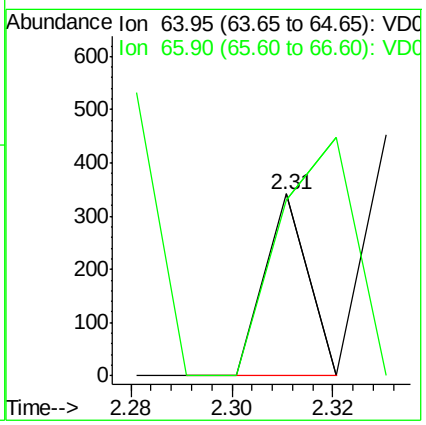


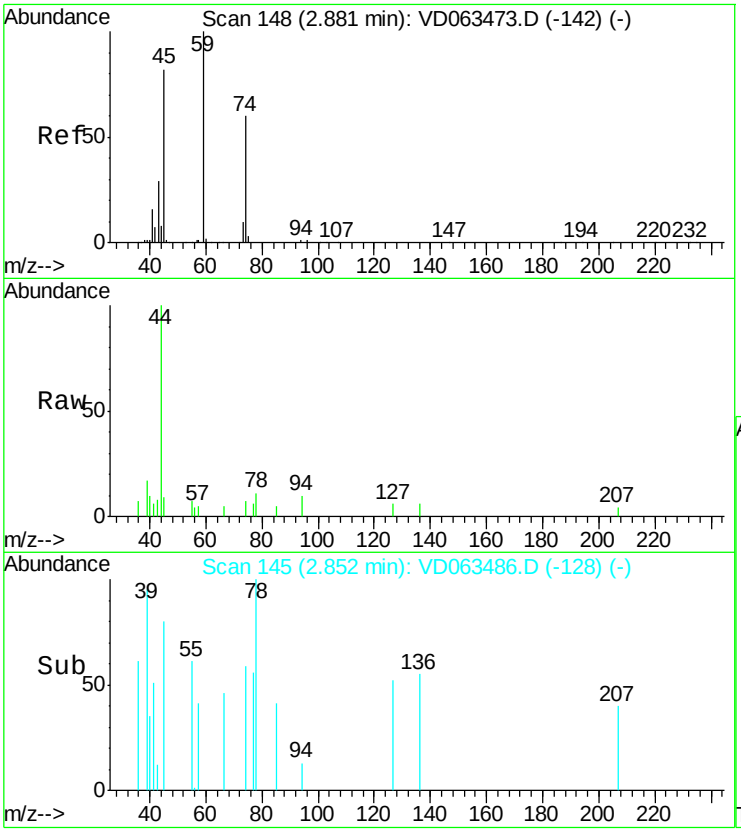


#6
Chloroethane
Concen: 1.290 ug/l
RT: 2.31 min Scan# 90
Delta R.T. 0.04 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 64 Resp: 202

Ion	Ratio	Lower	Upper
64	100		
66	96.5	26.3	39.5#



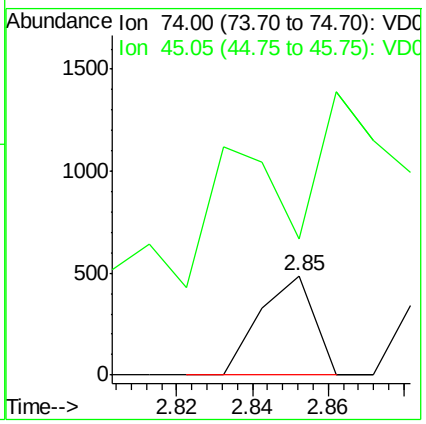


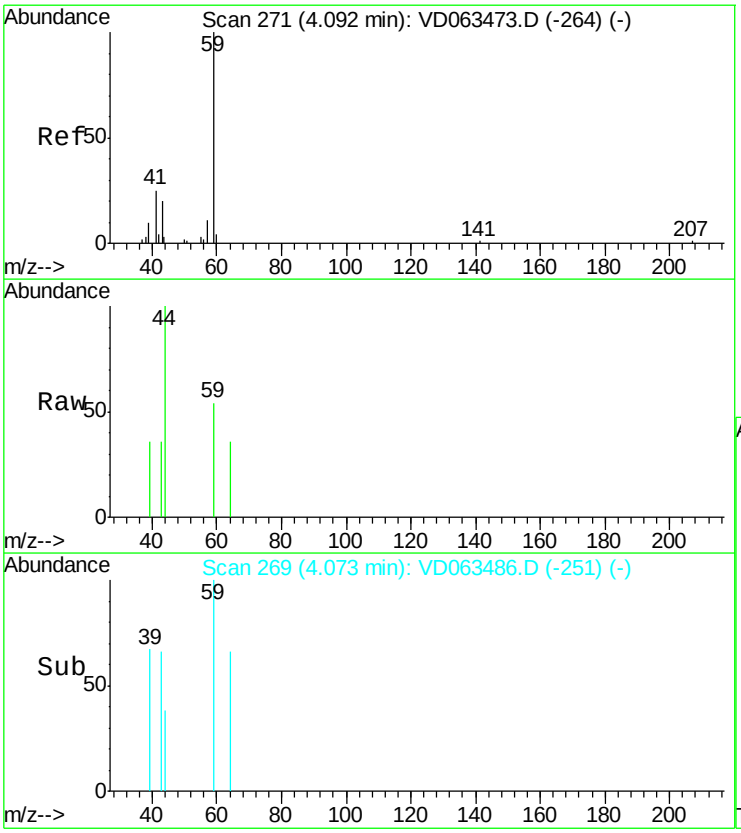
#8
Diethyl Ether
Concen: 5.074 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.03 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument : MSVOA_D
ClientSampleId : BERGEN-SP-2

Tgt Ion: 74 Resp: 481

Ion	Ratio	Lower	Upper
74	100		
45	136.3	68.5	205.5

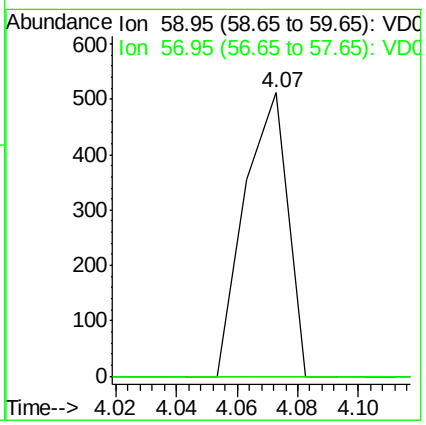


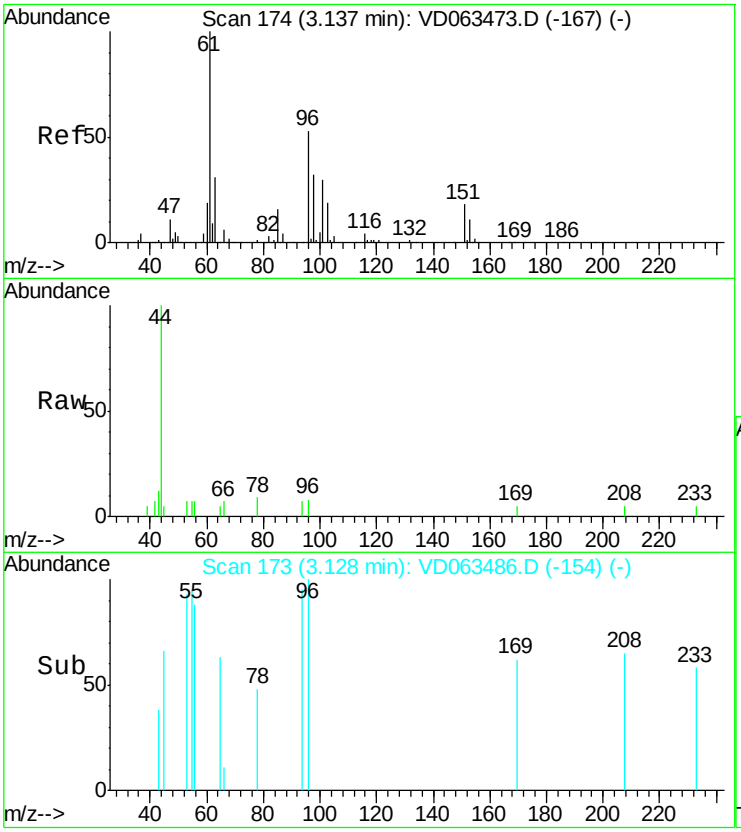


#11
Tert butyl alcohol
Concen: 30.164 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.02 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 59 Resp: 512

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



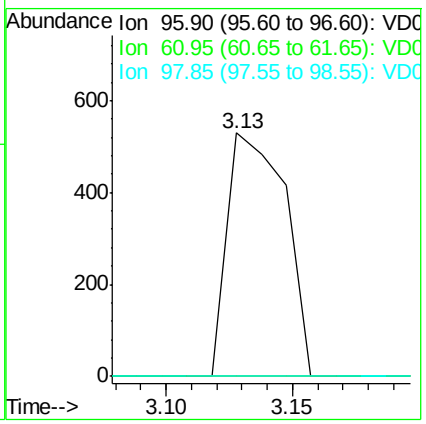


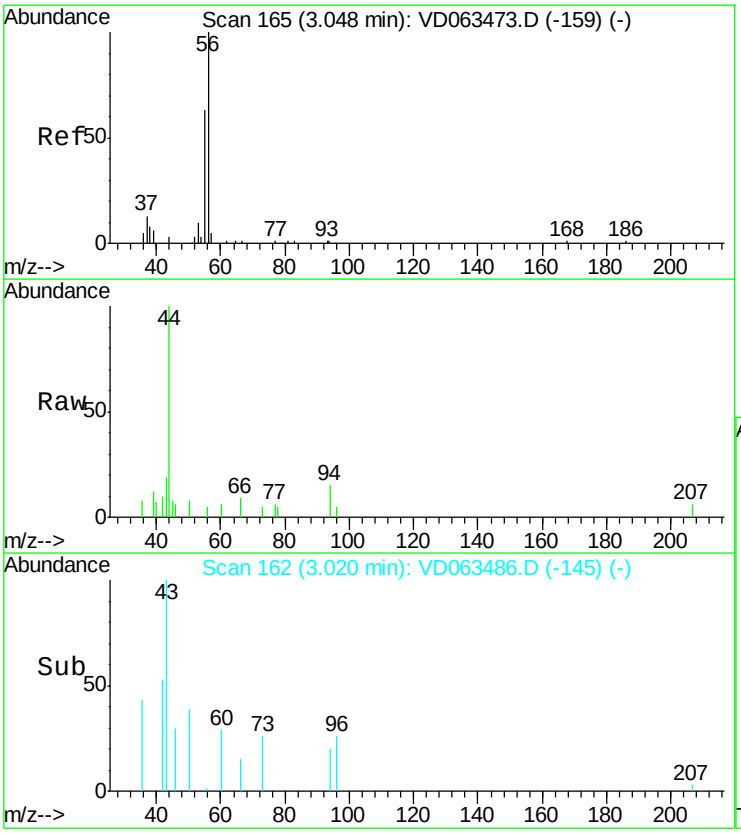
#12
1,1-Dichloroethene
Concen: 2.863 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument : MSVOA_D
ClientSampleId : BERGEN-SP-2

Tgt Ion: 96 Resp: 844

Ion	Ratio	Lower	Upper
96	100		
61	0.0	151.7	227.5#
98	0.0	48.4	72.6#

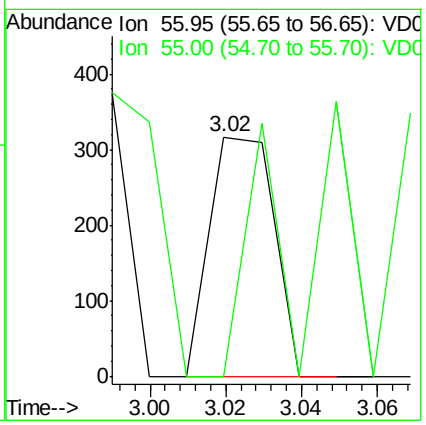


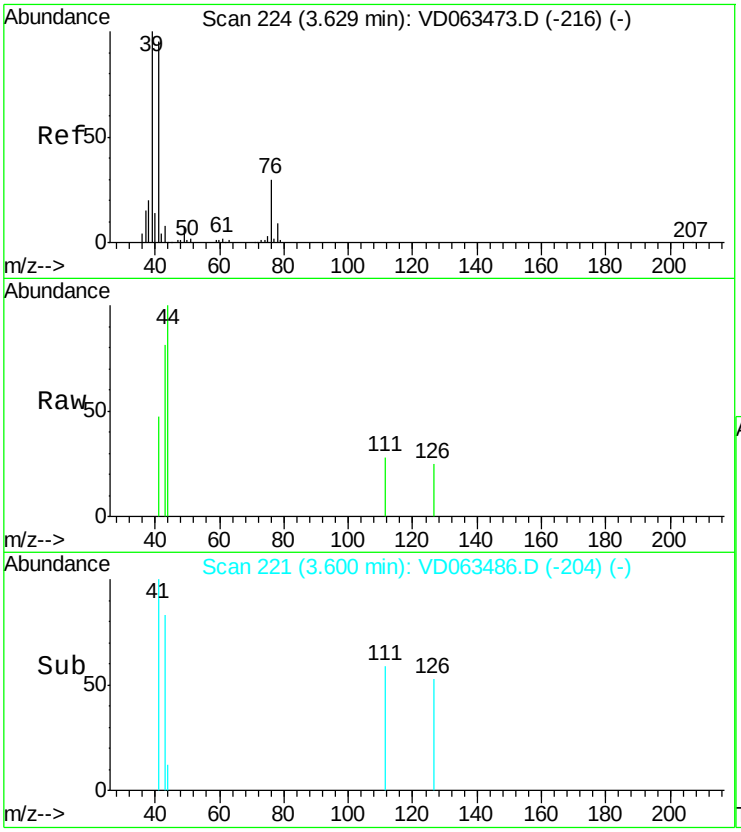


#13
Acrolein
Concen: 22.145 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.03 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 56 Resp: 370

Ion	Ratio	Lower	Upper
56	100		
55	0.0	51.3	76.9#



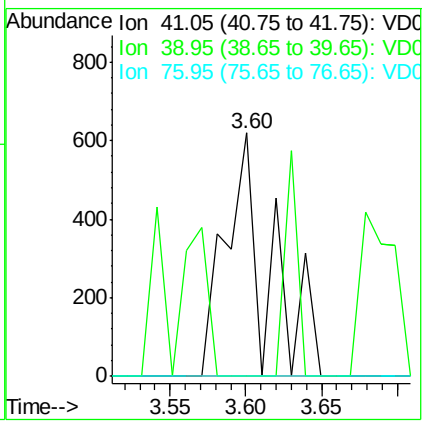


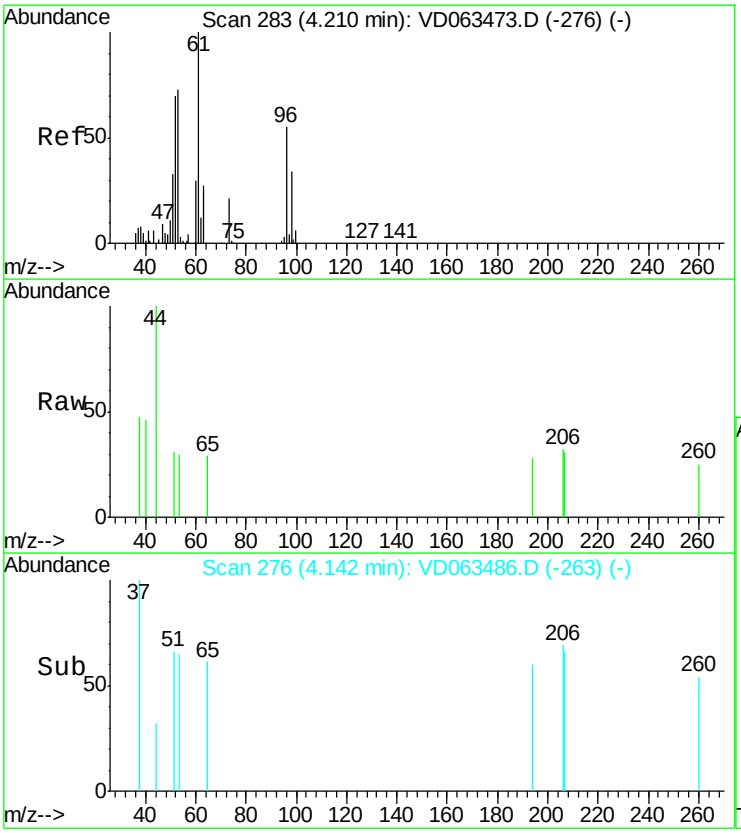
#14
Allyl chloride
Concen: 2.767 ug/l
RT: 3.60 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument : MSVOA_D
ClientSampleId : BERGEN-SP-2

Tgt Ion: 41 Resp: 1226

Ion	Ratio	Lower	Upper
41	100		
39	0.0	84.2	126.4#
76	0.0	26.0	39.0#

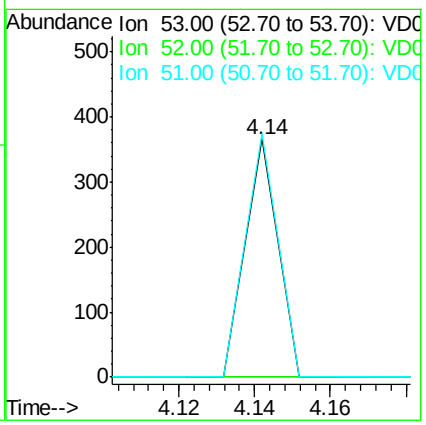


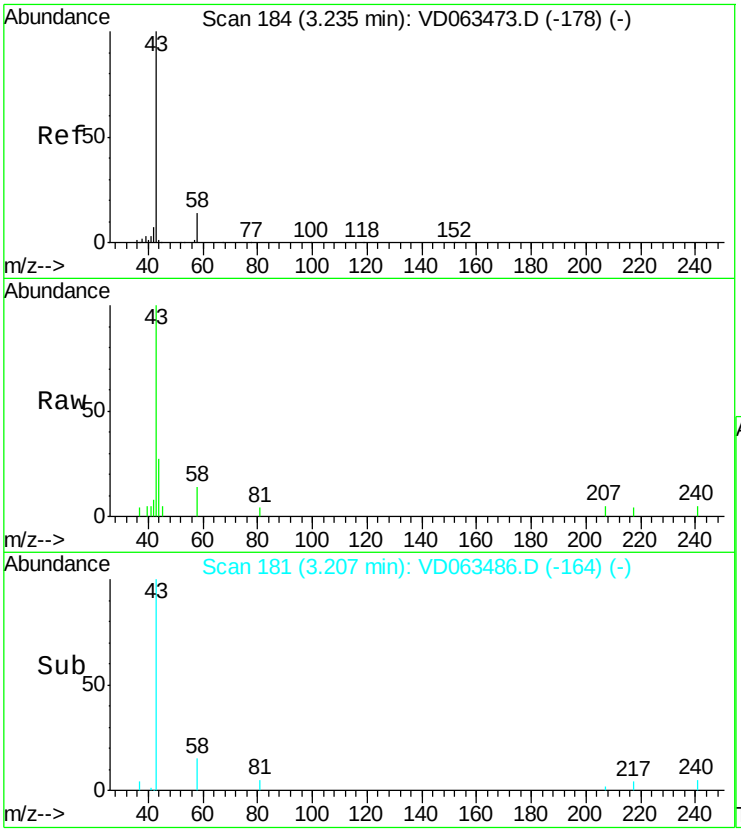


#15
Acrylonitrile
Concen: 4.804 ug/l
RT: 4.14 min Scan# 276
Delta R.T. -0.07 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 53 Resp: 216

Ion	Ratio	Lower	Upper
53	100		
52	0.0	77.4	116.0#
51	102.2	36.7	55.1#



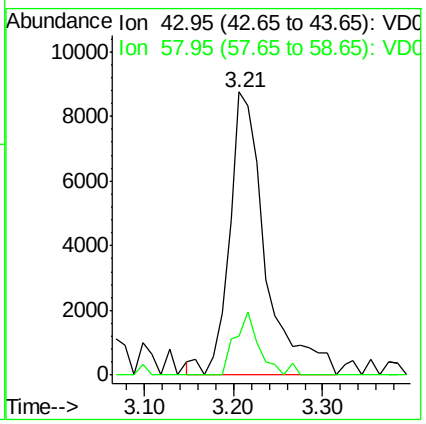


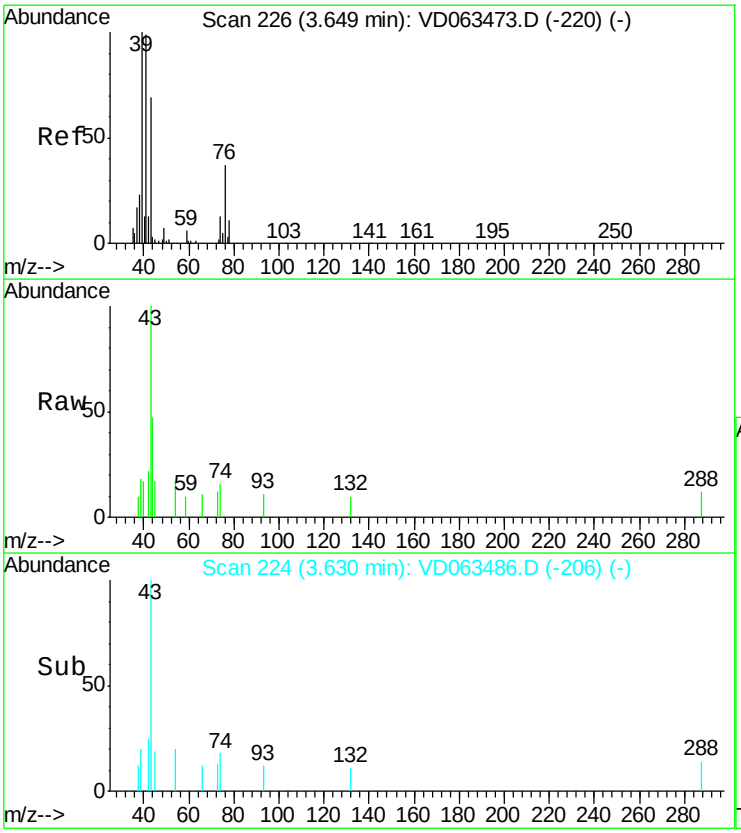
#16
Acetone
Concen: 310.206 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.03 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
BERGEN-SP-2

Tgt Ion: 43 Resp: 24588

Ion	Ratio	Lower	Upper
43	100		
58	13.7	11.4	17.2

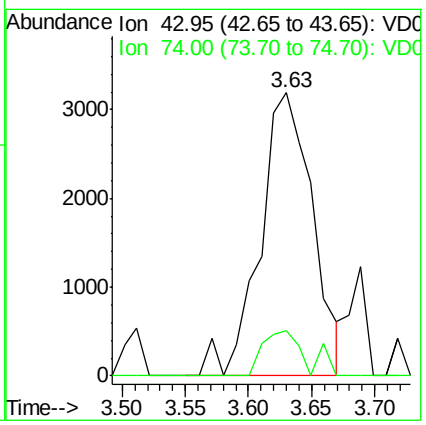


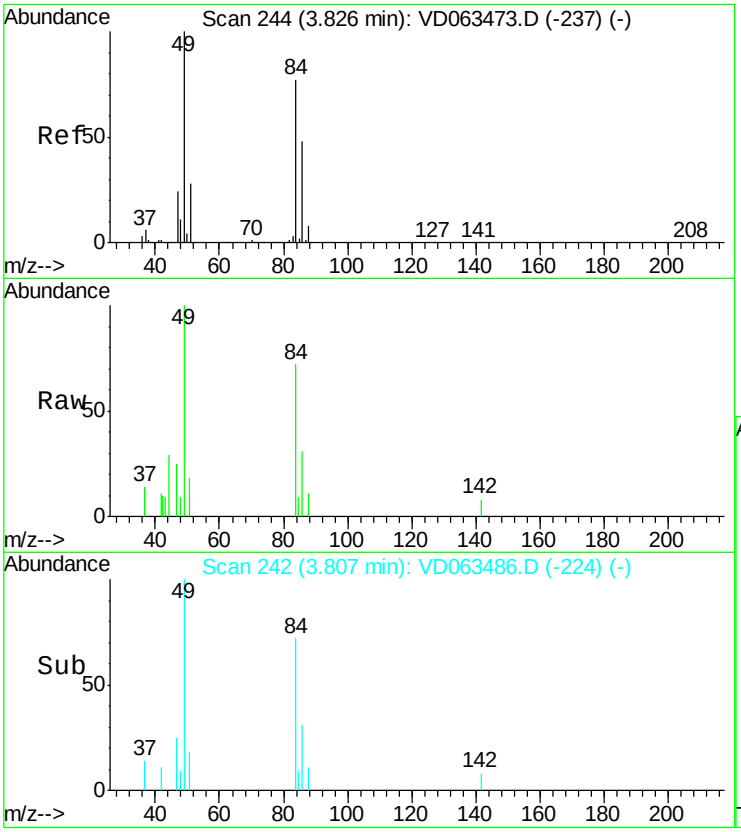


#18
Methyl Acetate
Concen: 61.518 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 43 Resp: 9236

Ion	Ratio	Lower	Upper
43	100		
74	15.8	15.4	23.2



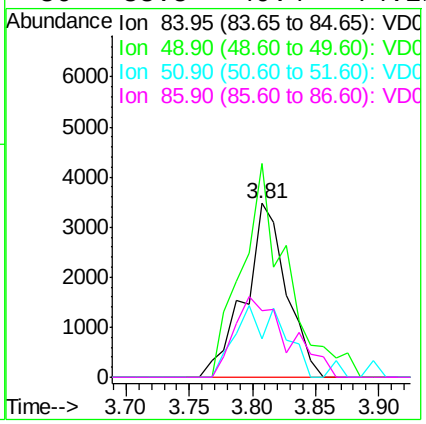


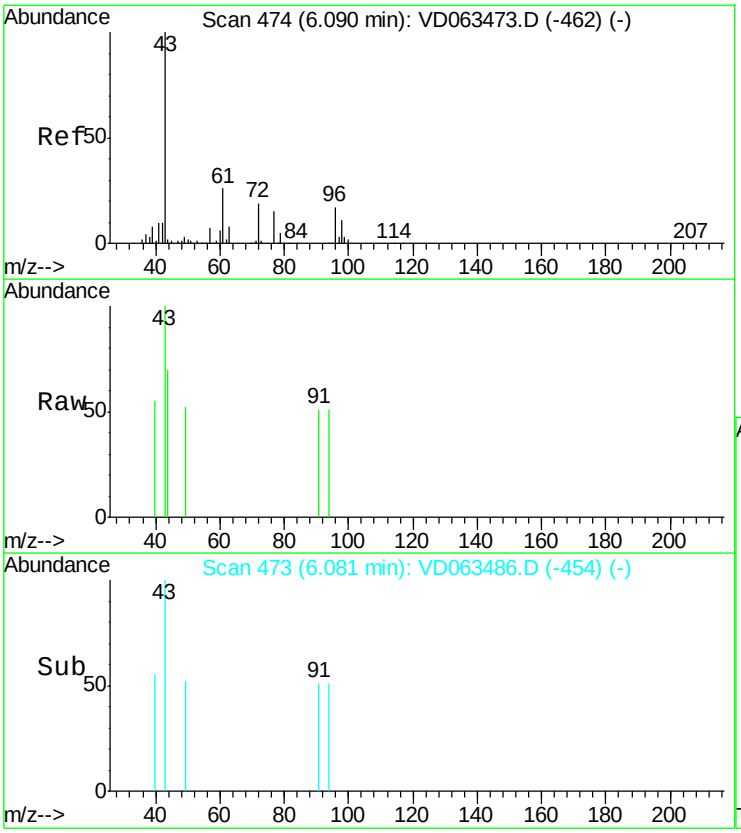
#20
Methylene Chloride
Concen: 23.256 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument : MSVOA_D
ClientSampleId : BERGEN-SP-2

Tgt Ion: 84 Resp: 7971

Ion	Ratio	Lower	Upper
84	100		
49	123.1	103.4	155.2
51	22.5	28.5	42.7#
86	38.5	49.4	74.2#

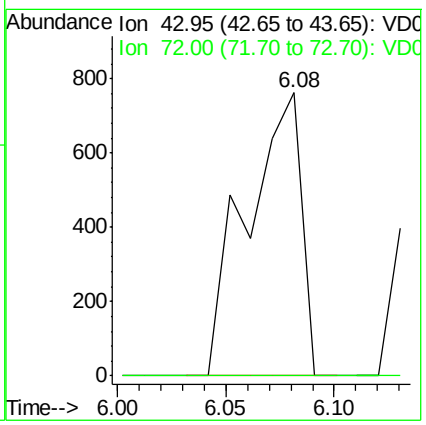


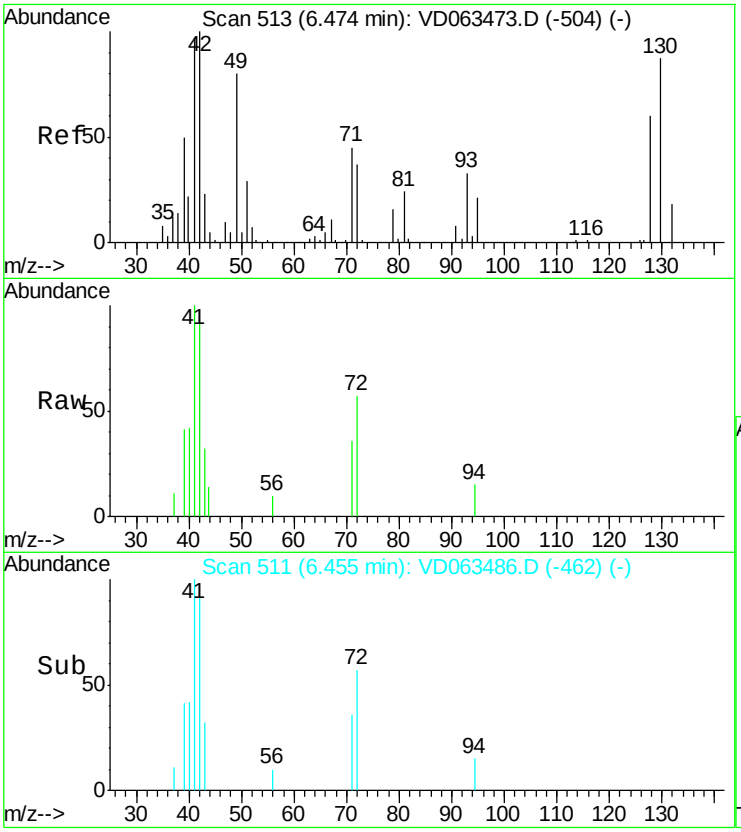


#25
2-Butanone
Concen: 17.041 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 43 Resp: 1334

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.1	22.7#



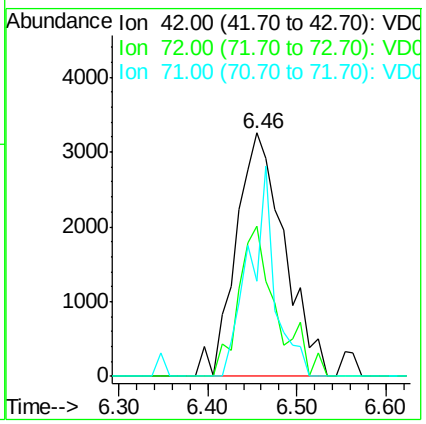


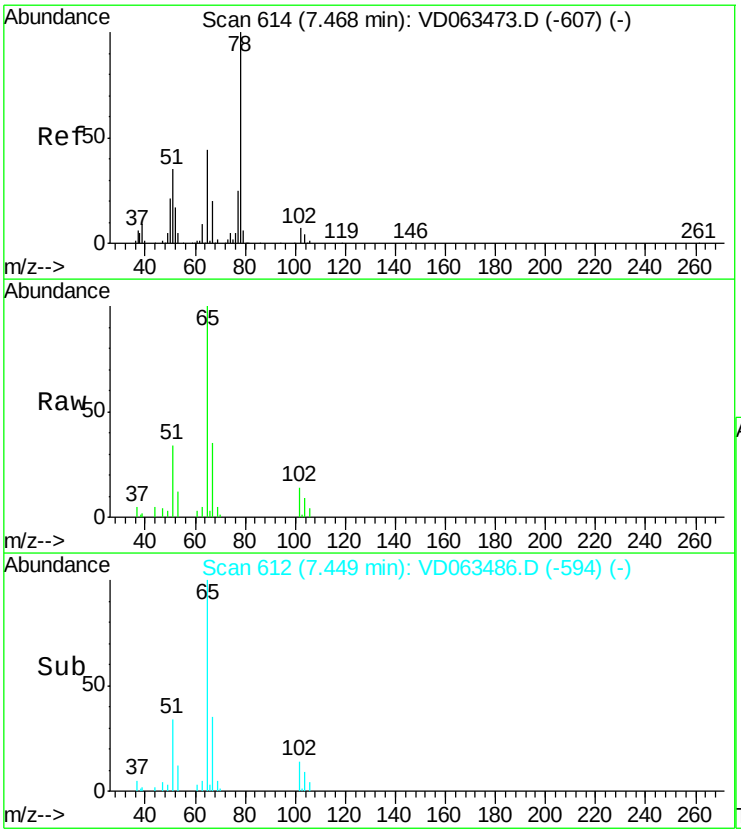
#29
Tetrahydrofuran
Concen: 336.860 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
BERGEN-SP-2

Tgt Ion: 42 Resp: 12288

Ion	Ratio	Lower	Upper
42	100		
72	47.8	31.5	47.3#
71	46.1	33.8	50.8

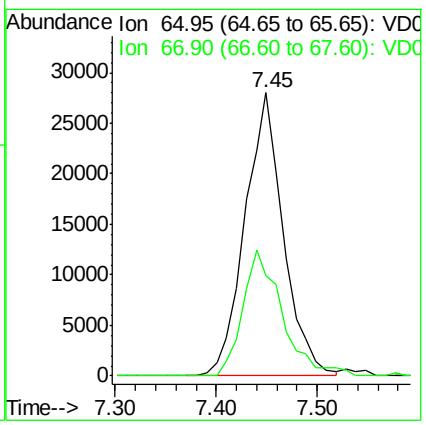


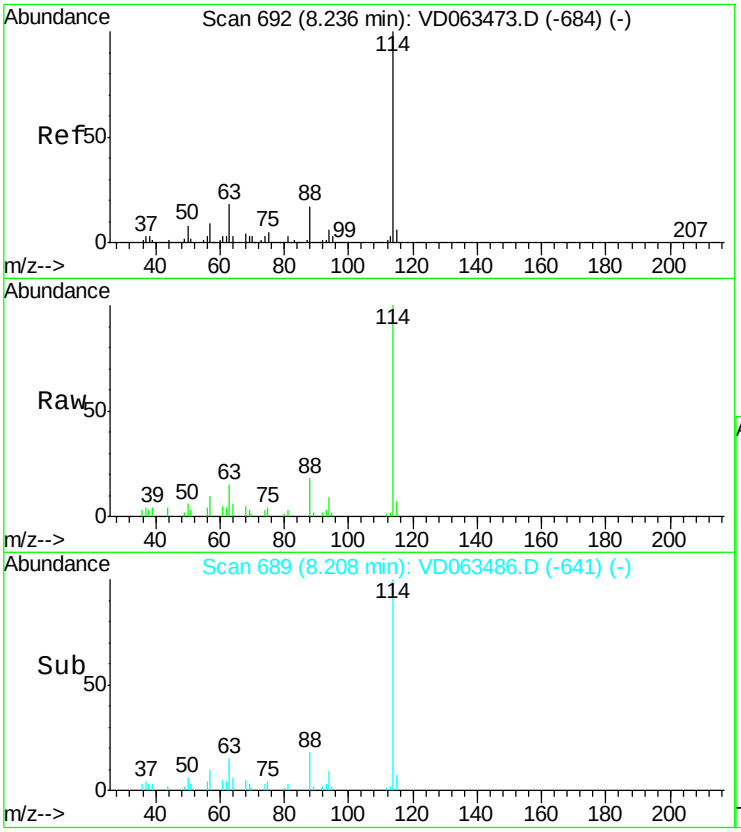


#33
1,2-Dichloroethane-d4
Concen: 190.272 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 65 Resp: 74191

Ion	Ratio	Lower	Upper
65	100		
67	35.4	0.0	89.2



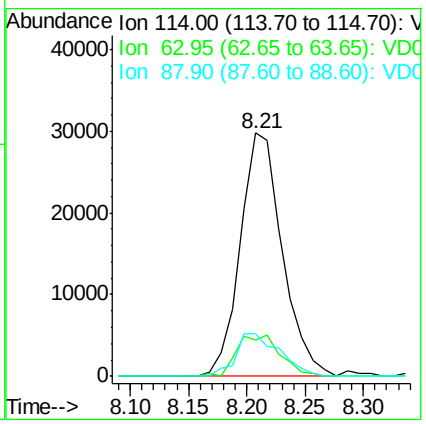


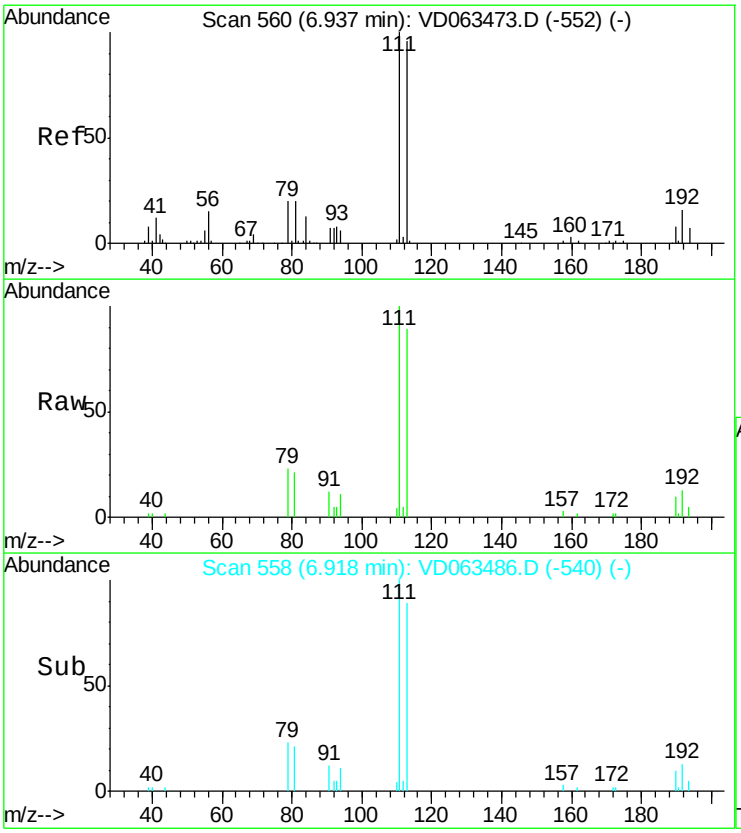
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.21 min Scan# 689
Delta R.T. -0.03 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
BERGEN-SP-2

Tgt Ion:114 Resp: 74349

Ion	Ratio	Lower	Upper
114	100		
63	15.1	0.0	36.2
88	17.7	0.0	35.0

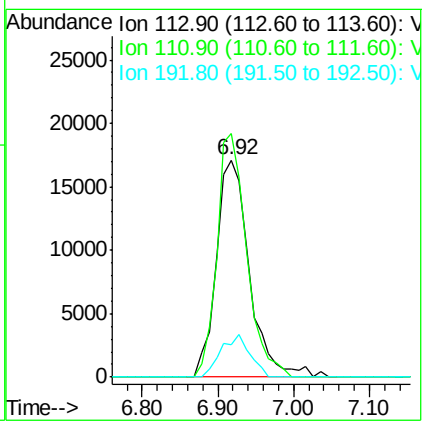


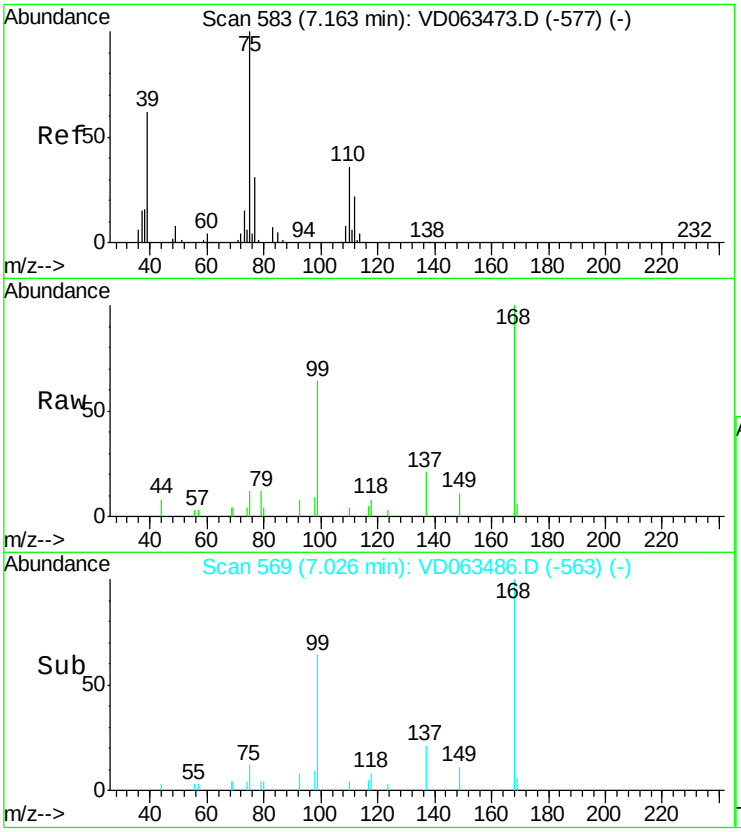


#35
Dibromofluoromethane
Concen: 83.111 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion:113 Resp: 52042

Ion	Ratio	Lower	Upper
113	100		
111	112.3	83.1	124.7
192	14.9	13.1	19.7



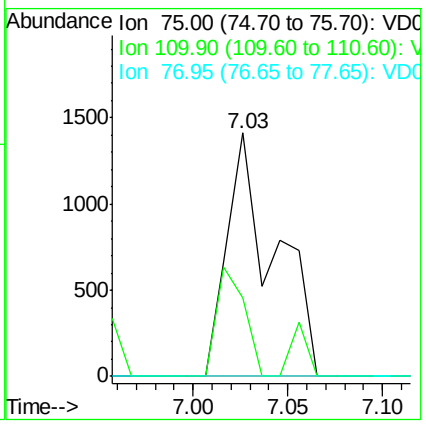


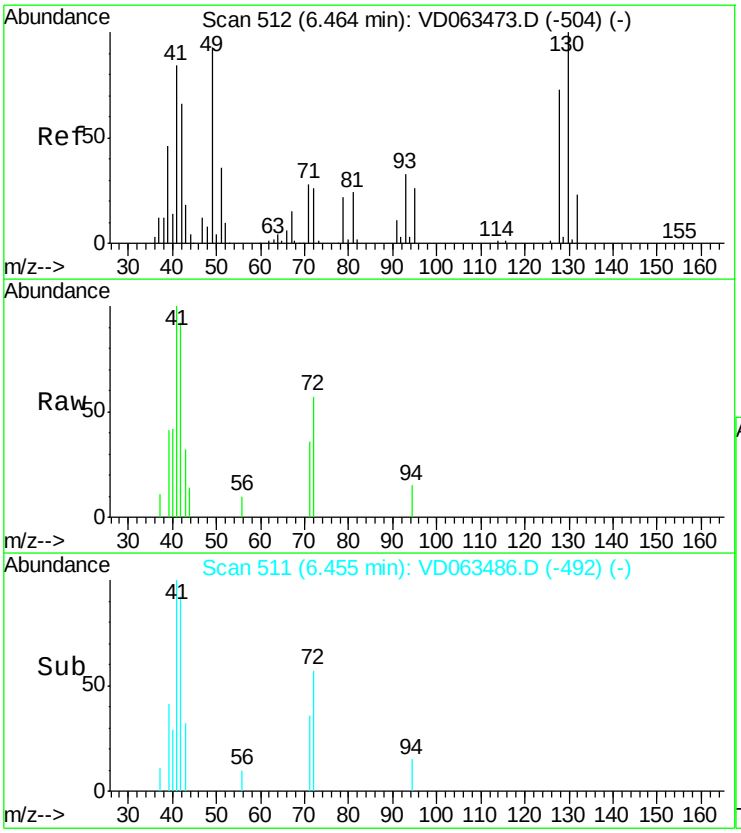
#36
1,1-Dichloropropene
Concen: 3.700 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.14 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
BERGEN-SP-2

Tgt Ion: 75 Resp: 2432

Ion	Ratio	Lower	Upper
75	100		
110	32.1	17.6	52.8
77	0.0	24.3	36.5#

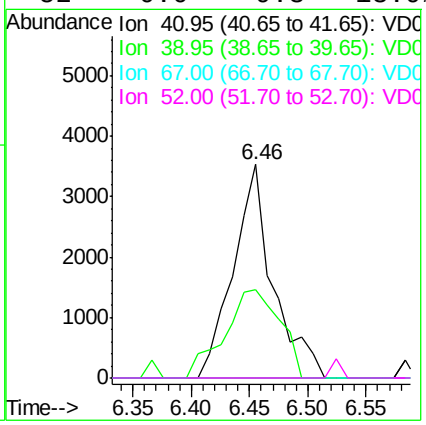


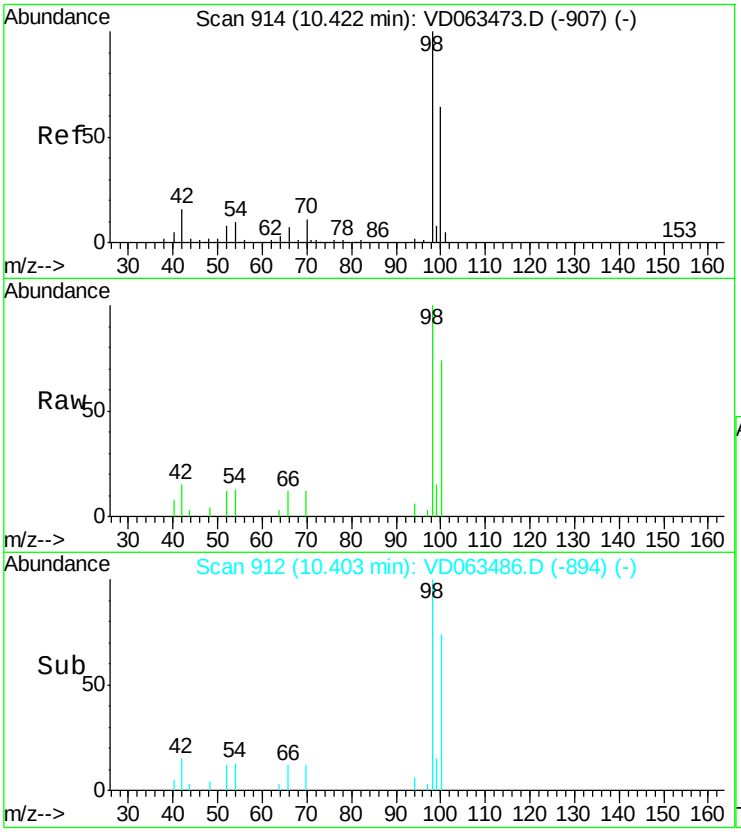


#41
Methacrylonitrile
Concen: 24.068 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 41 Resp: 8346

Ion	Ratio	Lower	Upper
41	100		
39	41.2	44.6	66.8#
67	0.0	14.4	21.6#
52	0.0	9.3	13.9#



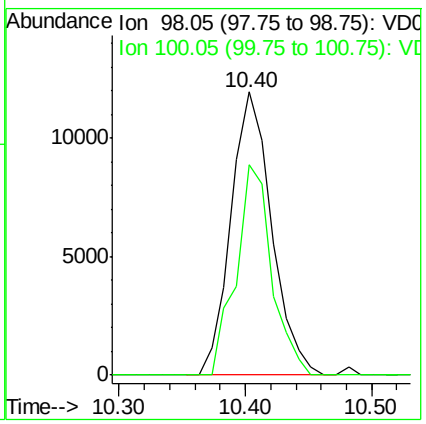


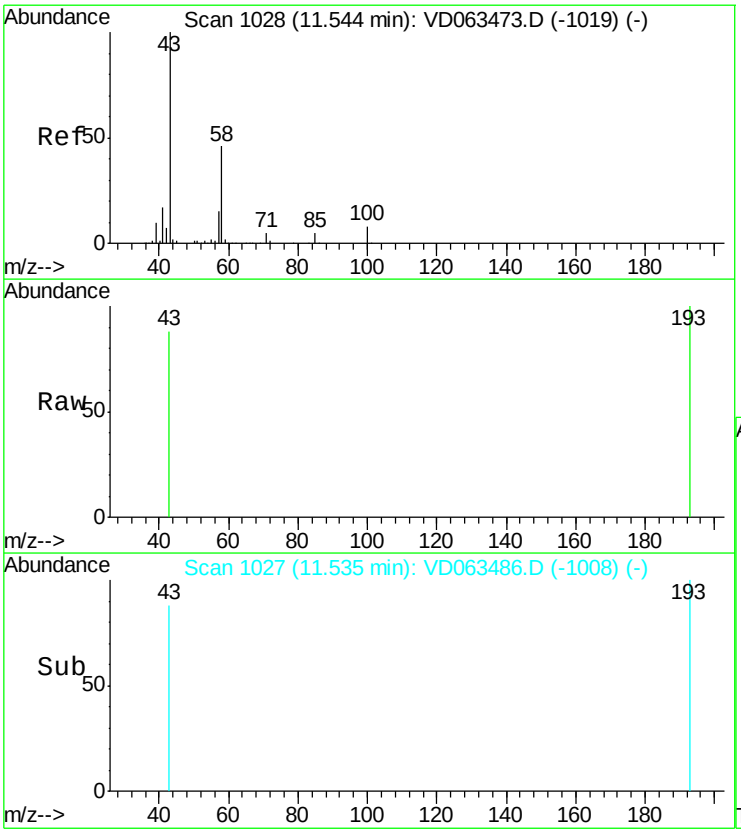
#50
Toluene-d8
Concen: 19.326 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument : MSVOA_D
ClientSampleId : BERGEN-SP-2

Tgt Ion: 98 Resp: 26605

Ion	Ratio	Lower	Upper
98	100		
100	74.1	51.7	77.5

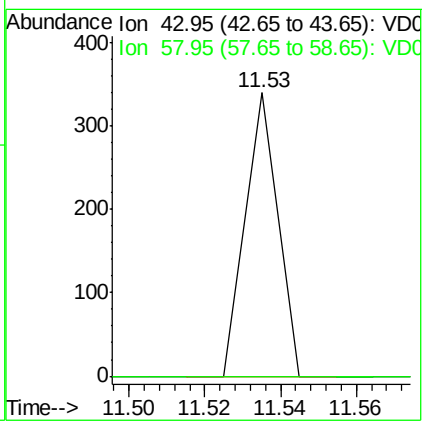


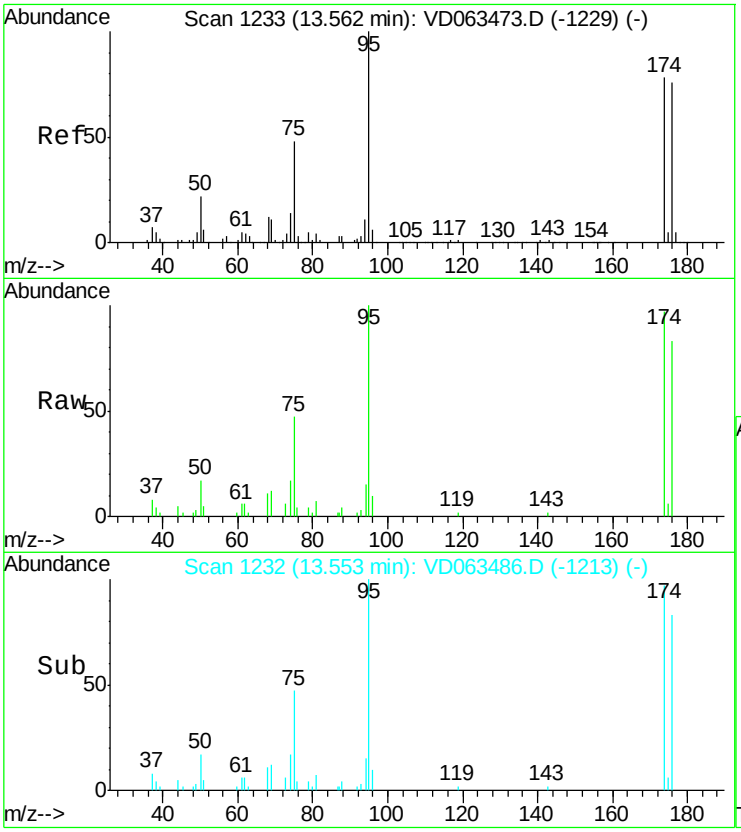


#59
2-Hexanone
Concen: 1.094 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 43 Resp: 201

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.1	69.2#



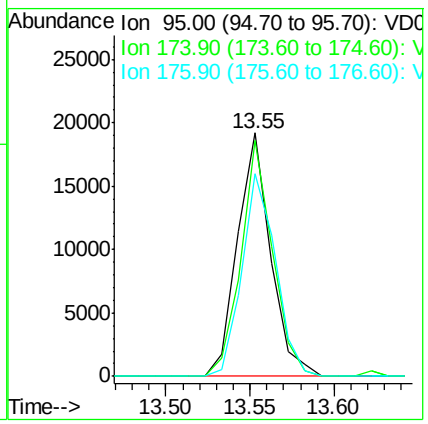


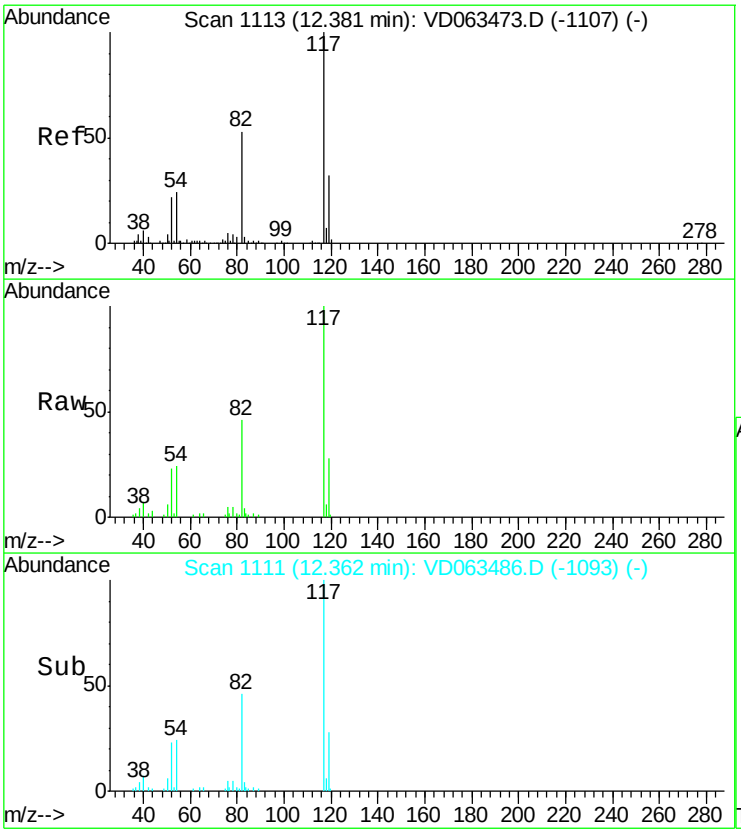
#62
4-Bromofluorobenzene
Concen: 41.869 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
BERGEN-SP-2

Tgt Ion: 95 Resp: 26125

Ion	Ratio	Lower	Upper
95	100		
174	96.9	0.0	155.4
176	83.4	0.0	152.4

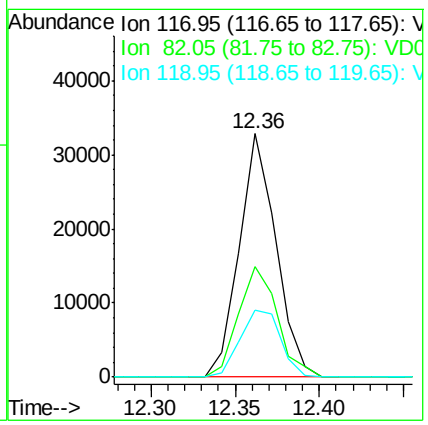


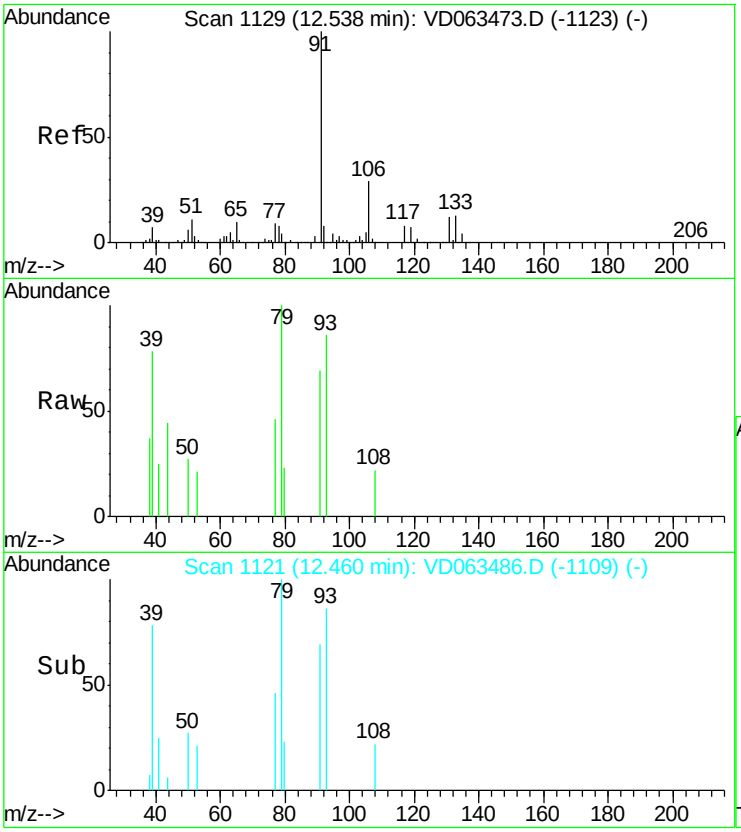


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion:117 Resp: 49532

Ion	Ratio	Lower	Upper
117	100		
82	45.5	42.0	63.0
119	27.6	25.4	38.0



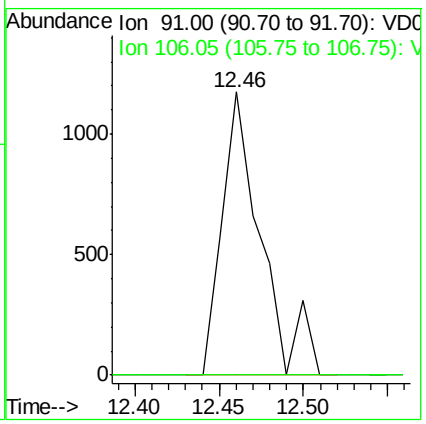


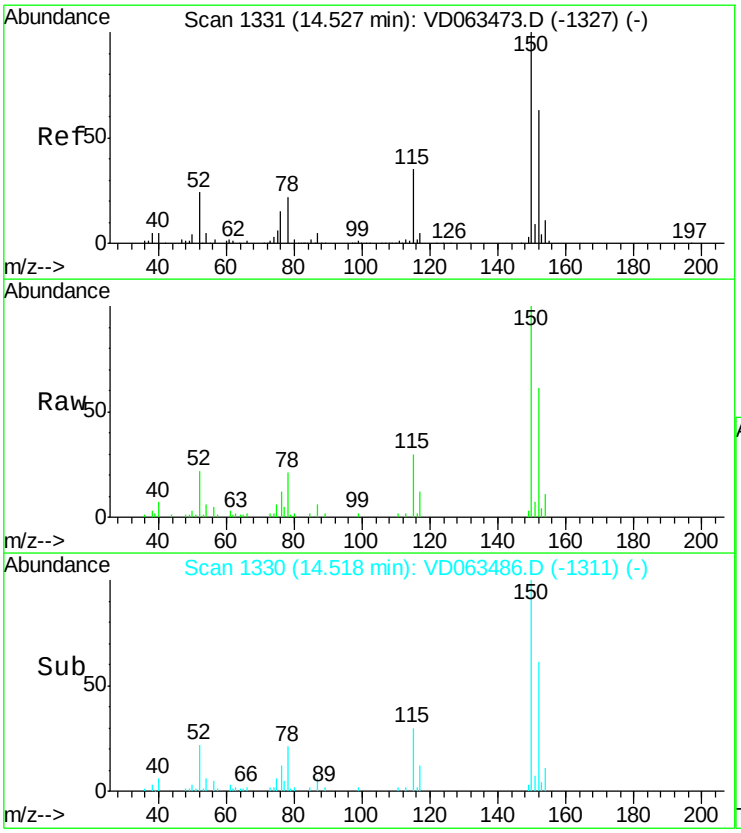
#67
Ethyl Benzene
Concen: 1.163 ug/l
RT: 12.46 min Scan# 1121
Delta R.T. -0.08 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument : MSVOA_D
ClientSampleId : BERGEN-SP-2

Tgt Ion: 91 Resp: 1877

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.1	34.7#

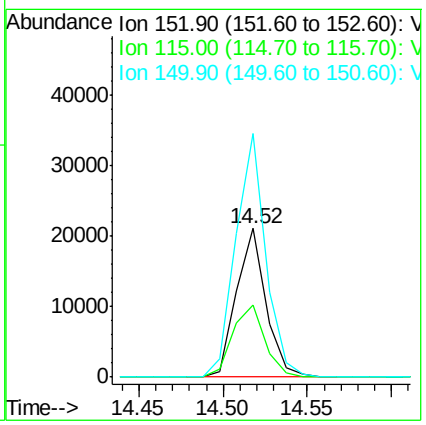


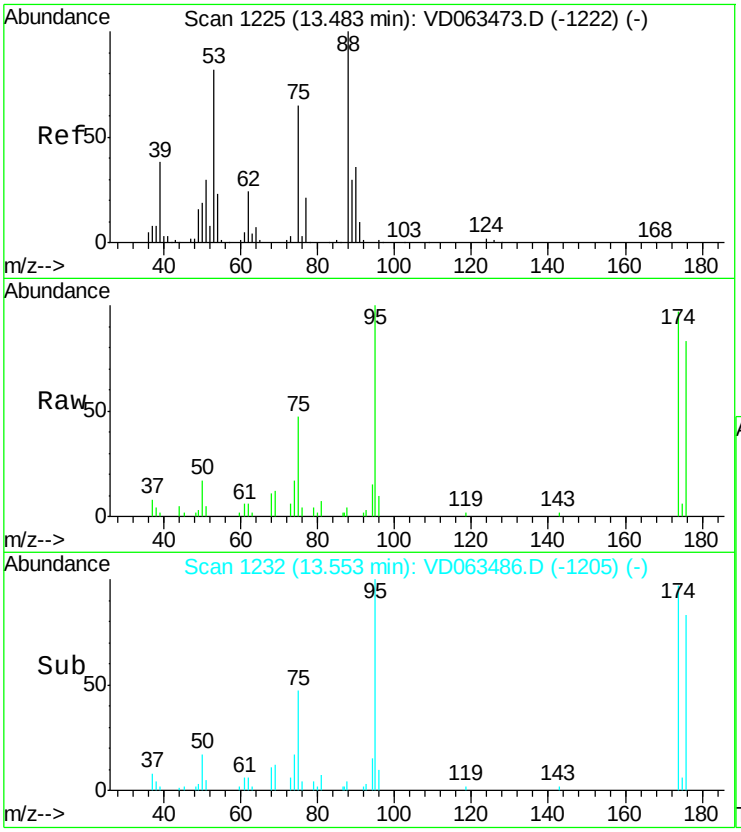


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion:152 Resp: 25576

Ion	Ratio	Lower	Upper
152	100		
115	48.8	30.9	92.7
150	164.0	0.0	318.6



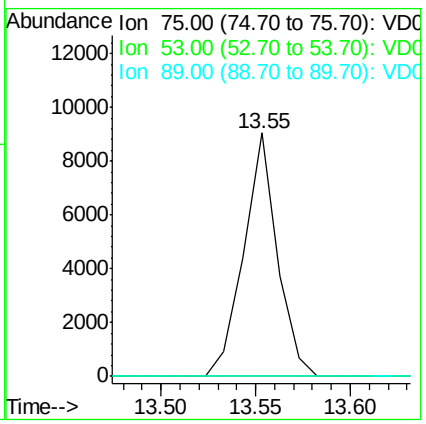


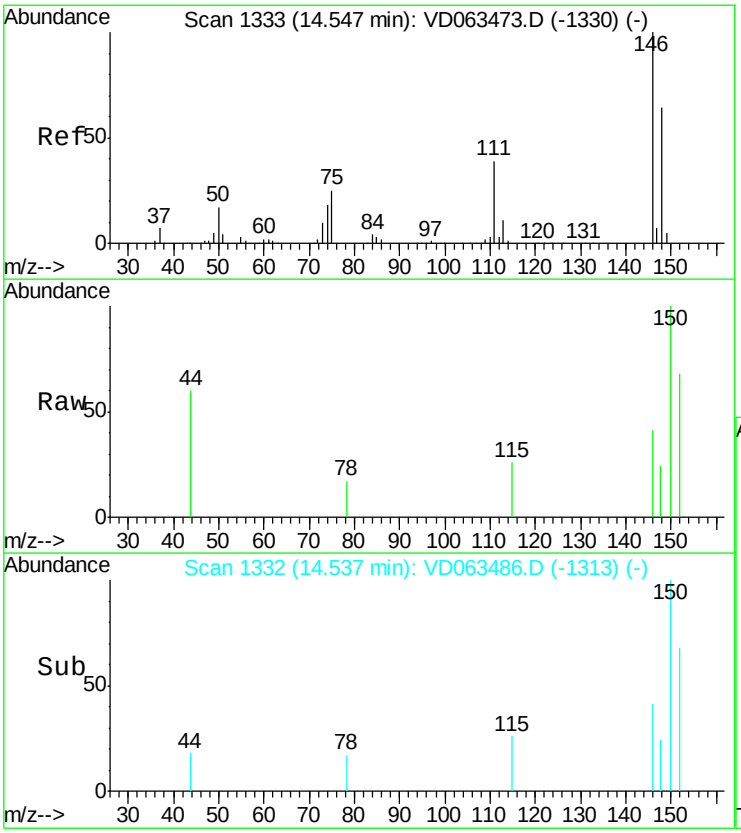
#81
trans-1,4-Dichloro-2-butene
Concen: 140.482 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :
BERGEN-SP-2

Tgt Ion: 75 Resp: 11083

Ion	Ratio	Lower	Upper
75	100		
53	0.0	101.0	151.4#
89	0.0	37.0	55.6#

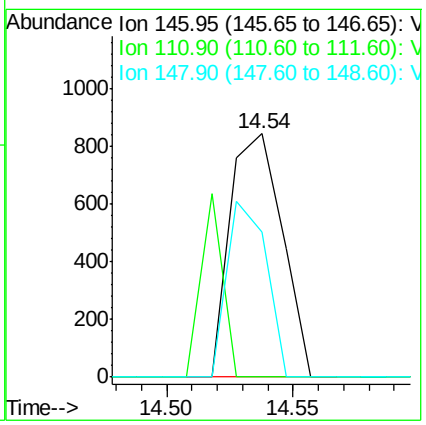


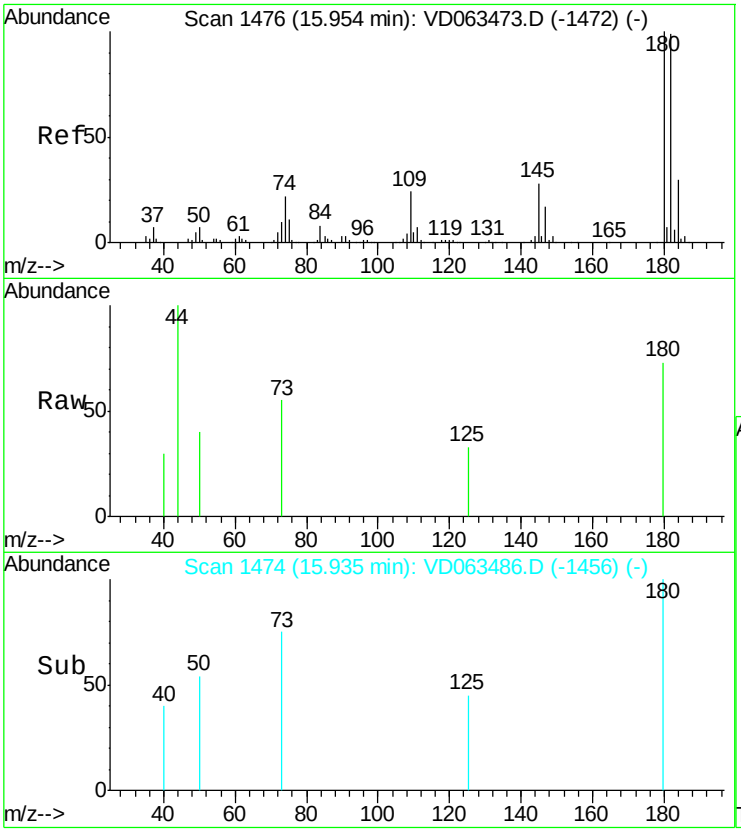


#88
1,4-Dichlorobenzene
Concen: 1.571 ug/l
RT: 14.54 min Scan# 1332
Delta R.T. -0.01 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion:146 Resp: 1212

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.7	59.0#
148	59.4	32.1	96.3



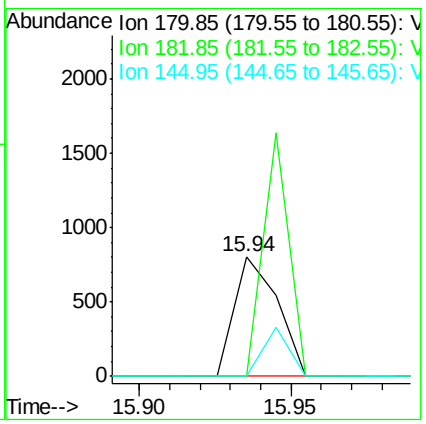


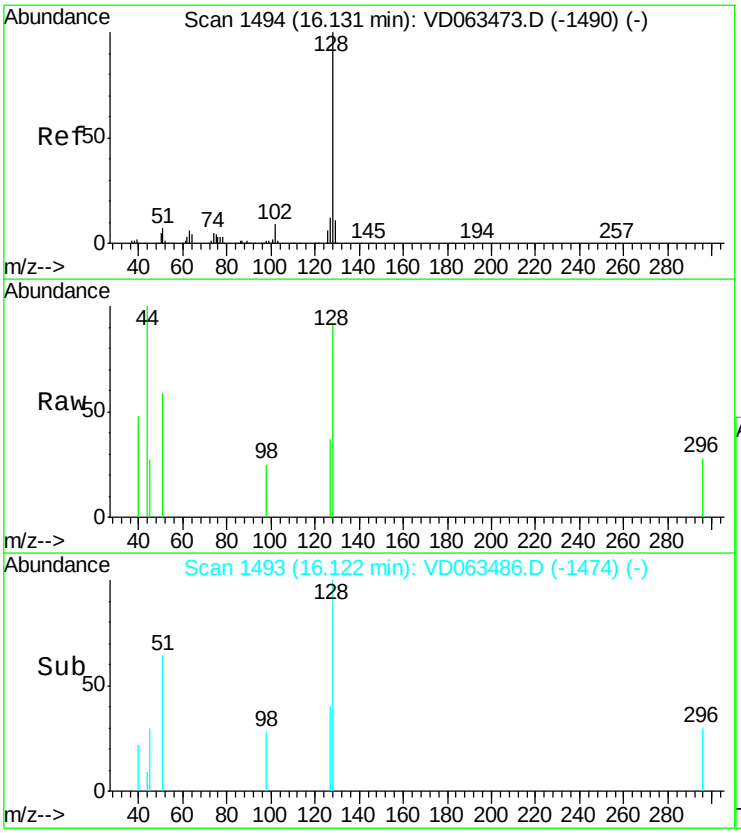
#93
1,2,4-Trichlorobenzene
Concen: 1.587 ug/l
RT: 15.94 min Scan# 1474
Delta R.T. -0.02 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Instrument : MSVOA_D
ClientSampleId : BERGEN-SP-2

Tgt Ion:180 Resp: 797

Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.7	149.1#
145	0.0	14.1	42.2#





#95
Naphthalene
Concen: 2.293 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063486.D
Acq: 12 Aug 2019 14:38

Tgt Ion:128 Resp: 1745

Ion	Ratio	Lower	Upper
128	100		
127	40.4	9.4	14.0#
129	0.0	8.5	12.7#