Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063515.D
Acq On : 13 Aug 2019 5:34
Operator : JC/SY
Sample : K4223-28RE
Misc : 4.78g/5ml/MSVOA D/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Quant Time: Aug 13 09:14:09 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	22069	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	42110	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	20012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	15576	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	27600	117.00	ug/l	0.00
Spiked Amount 50.000			Recovery = 234.00%			
35) Dibromofluoromethane	6.93	113	11224	31.65	ug/l	0.00
Spiked Amount 50.000			Recovery = 63.30%			
50) Toluene-d8	10.41	98	15540	19.93	ug/l	0.00
Spiked Amount 50.000			Recovery = 39.86%			
62) 4-Bromofluorobenzene	13.55	95	15696	44.41	ug/l	0.00
Spiked Amount 50.000			Recovery = 88.82%			
Target Compounds						Qvalue
3) Chloromethane	1.77	50	432	2.071	ug/l #	41
5) Bromomethane	2.14	94	2485	25.431	ug/l #	38
6) Chloroethane	2.29	64	205	2.165	ug/l #	42
8) Diethyl Ether	2.75	74	189	3.295	ug/l	72
12) 1,1-Dichloroethene	3.06	96	185	1.037	ug/l #	1
13) Acrolein	3.12	56	230	22.754	ug/l #	55
14) Allyl chloride	3.47	41	884	3.298	ug/l #	56
15) Acrylonitrile	4.06	53	180	6.617	ug/l #	11
16) Acetone	3.22	43	17828	371.773	ug/l	94
18) Methyl Acetate	3.65	43	2984	32.852	ug/l #	57
20) Methylene Chloride	3.82	84	2160	10.417	ug/l	86
25) 2-Butanone	6.06	43	5668	119.677	ug/l #	58
29) Tetrahydrofuran	6.46	42	1483	67.198	ug/l #	81
31) Cyclohexane	7.04	56	218	1.023	ug/l #	16
36) 1,1-Dichloropropene	7.05	75	1735	4.661	ug/l #	42
37) Ethyl Acetate	6.17	43	390	2.500	ug/l #	73
38) Carbon Tetrachloride	7.05	117	2428	4.328	ug/l #	13
41) Methacrylonitrile	6.48	41	1234	6.283	ug/l #	37
46) Dibromomethane	9.20	93	197	1.209	ug/l #	3
48) Methyl methacrylate	9.16	41	185	1.306	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	234	1.637	ug/l #	40
59) 2-Hexanone	11.53	43	388	3.730	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	6275	130.603	ug/l #	1
84) 1,2,4-Trimethylbenzene	14.24	105	907	1.132	ug/l #	31
86) p-Isopropyltoluene	14.49	119	3674	3.969	ug/l	92
93) 1,2,4-Trichlorobenzene	15.94	180	328	1.073	ug/l #	84
95) Naphthalene	16.12	128	2811	6.066	ug/l #	71
96) 1,2,3-Trichlorobenzene	16.27	180	489	1.980	ug/l #	12

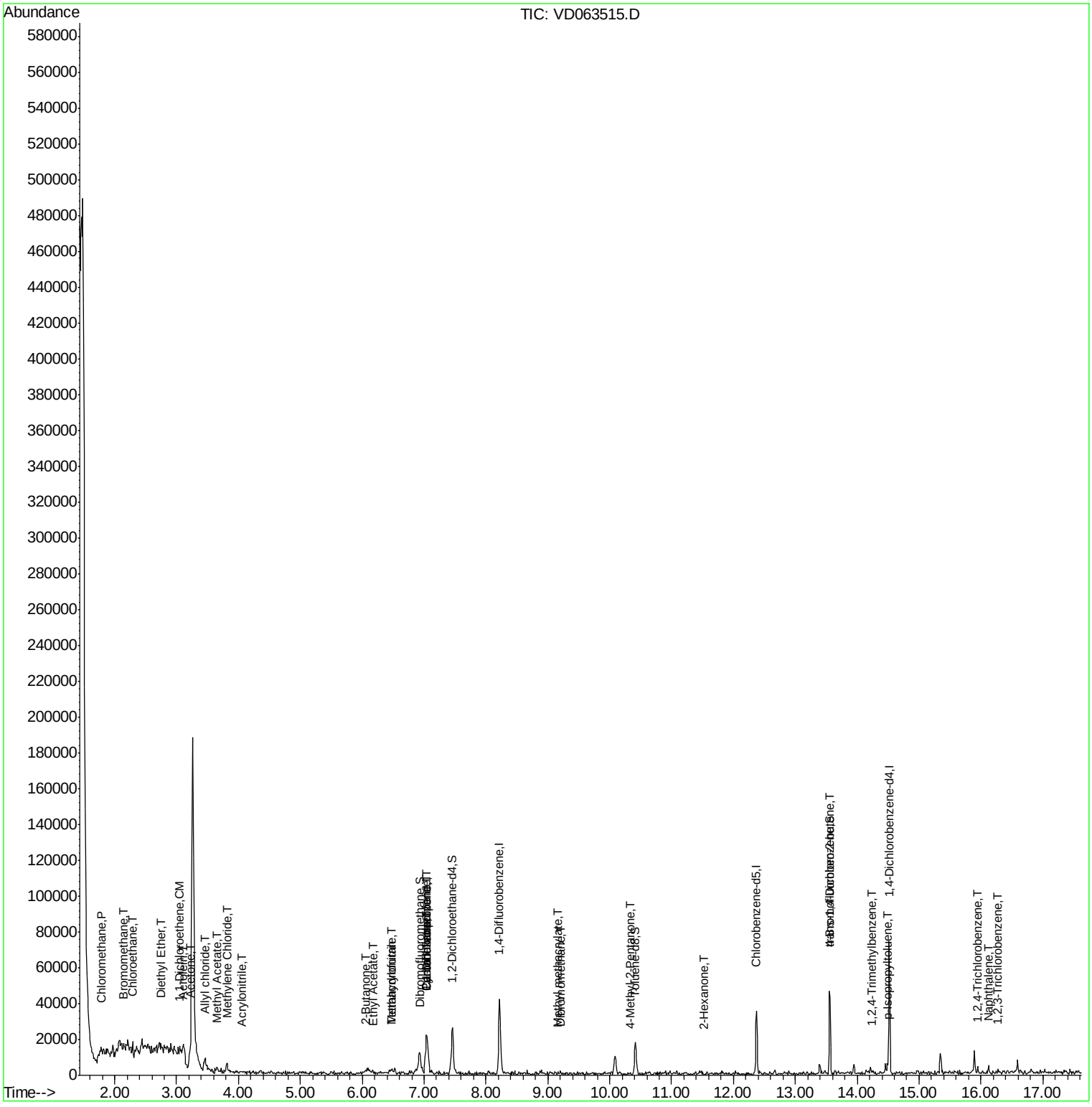
(#) = qualifier out of range (m) = manual integration (+) = signals summed

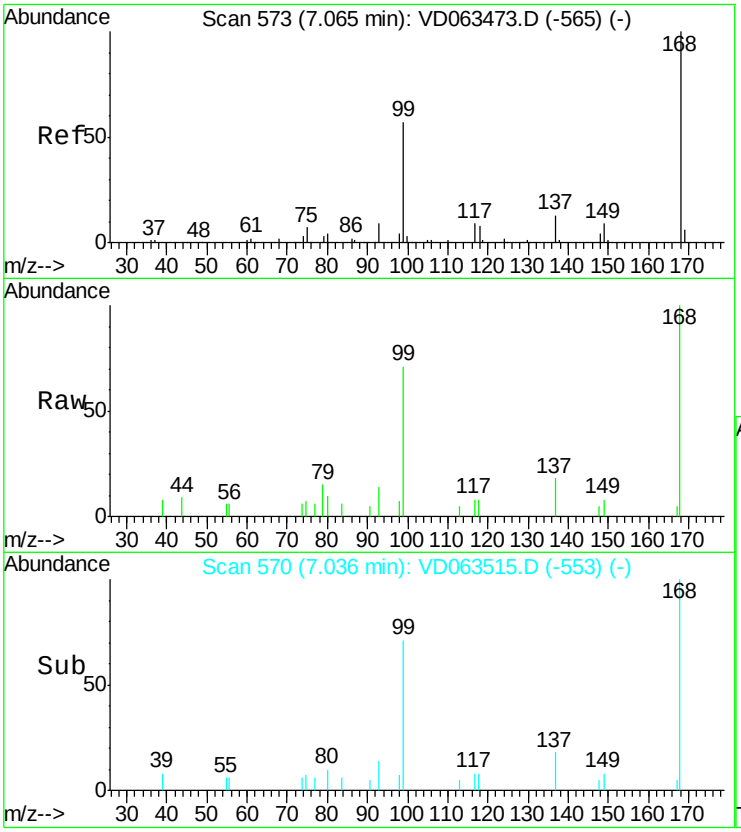
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
Data File : VD063515.D
Acq On : 13 Aug 2019 5:34
Operator : JC/SY
Sample : K4223-28RE
Misc : 4.78g/5ml/MSVOA D/SOIL
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-14RE

Quant Time: Aug 13 09:14:09 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



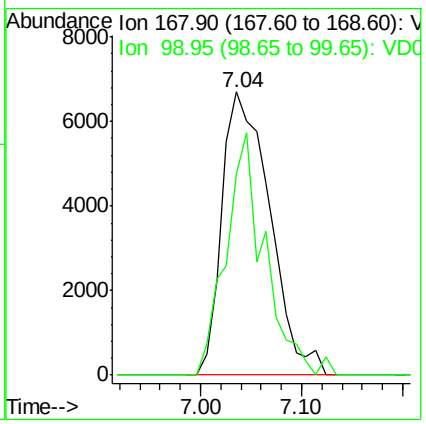


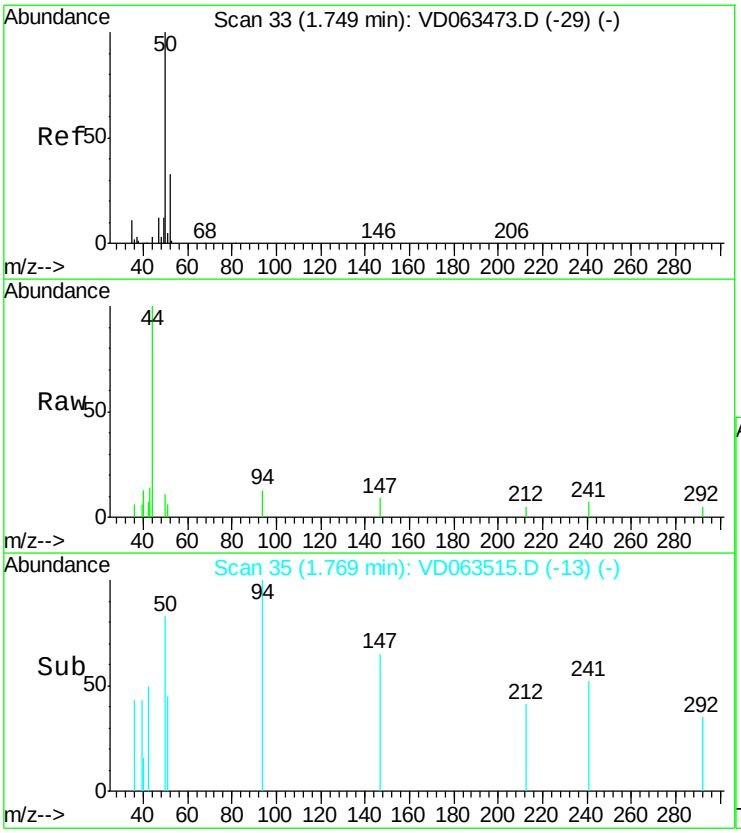
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.03 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument :
MSVOA_D
ClientSampleId :
SP-14RE

Tgt Ion:168 Resp: 22069

Ion	Ratio	Lower	Upper
168	100		
99	71.4	46.7	70.1#

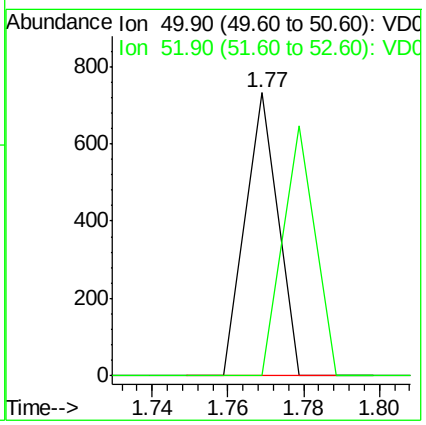


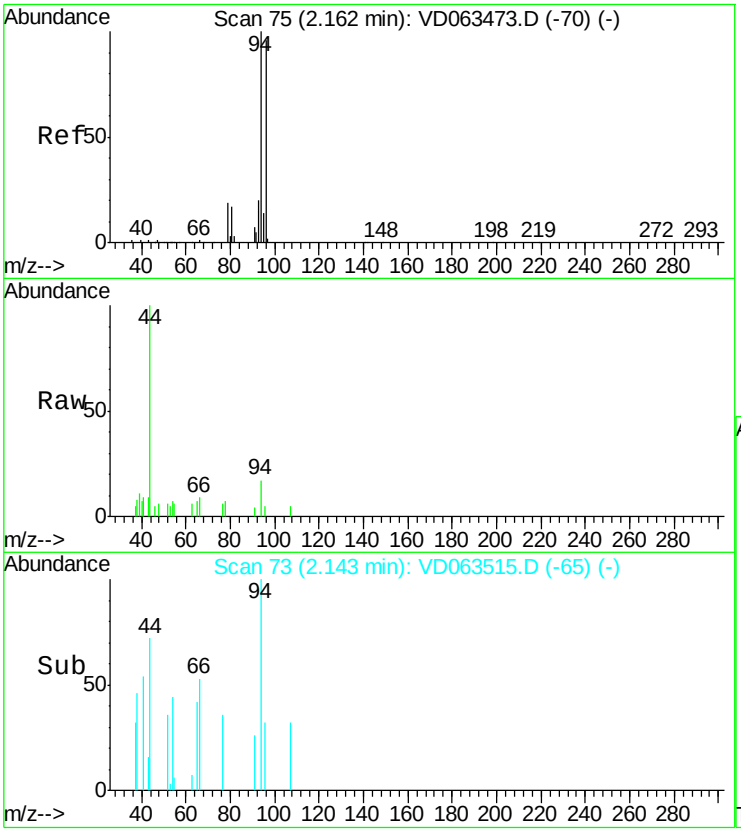


#3
Chloromethane
Concen: 2.071 ug/l
RT: 1.77 min Scan# 35
Delta R.T. 0.02 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 50 Resp: 432

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.6	40.0#



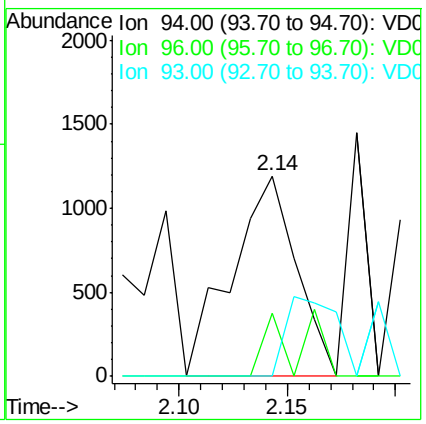


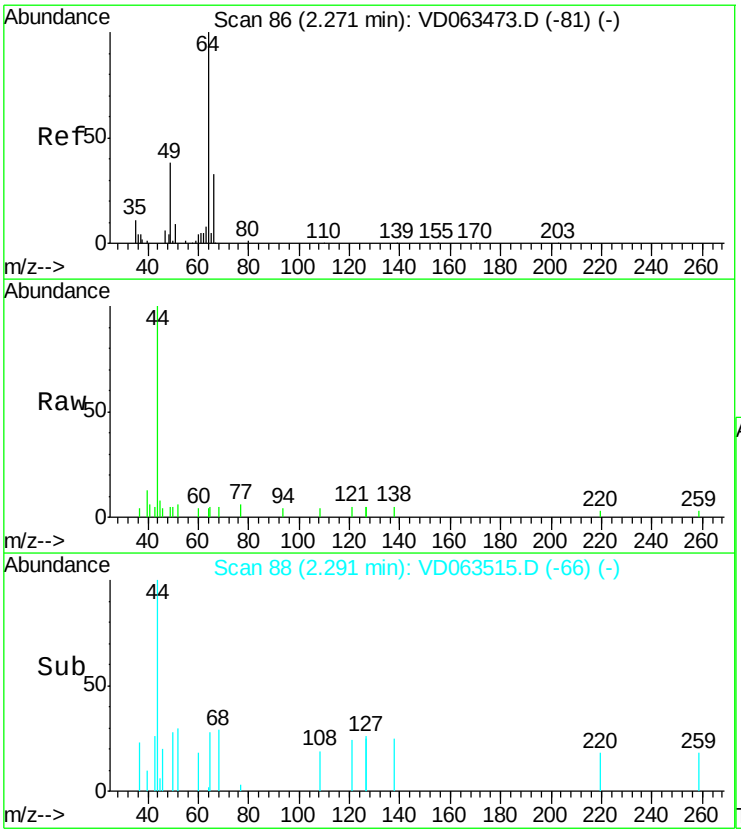
#5
Bromomethane
Concen: 25.431 ug/l
RT: 2.14 min Scan# 73
Delta R.T. -0.02 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 94 Resp: 2485

Ion	Ratio	Lower	Upper
94	100		
96	31.9	76.5	114.7#
93	0.0	15.8	23.8#

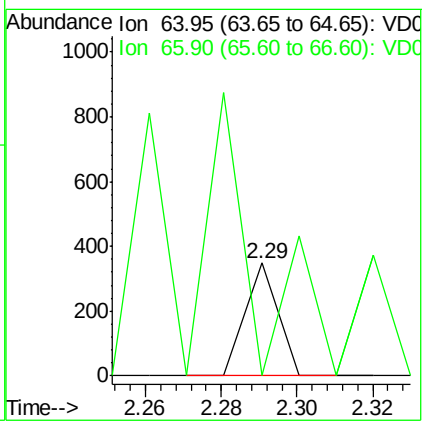


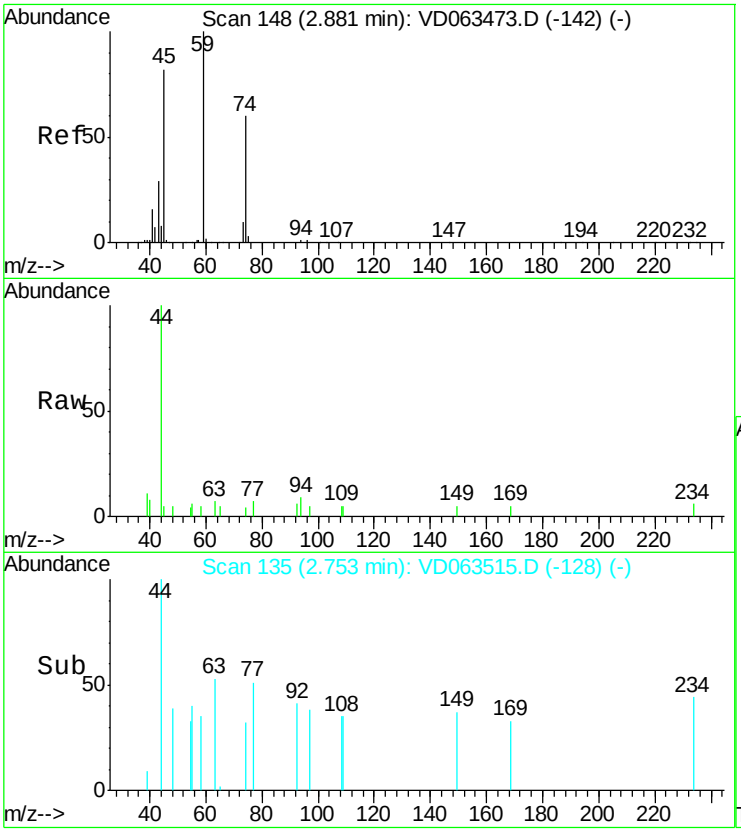


#6
Chloroethane
Concen: 2.165 ug/l
RT: 2.29 min Scan# 88
Delta R.T. 0.02 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 64 Resp: 205

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.3	39.5#



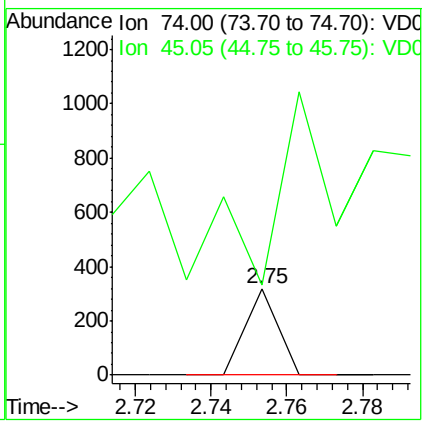


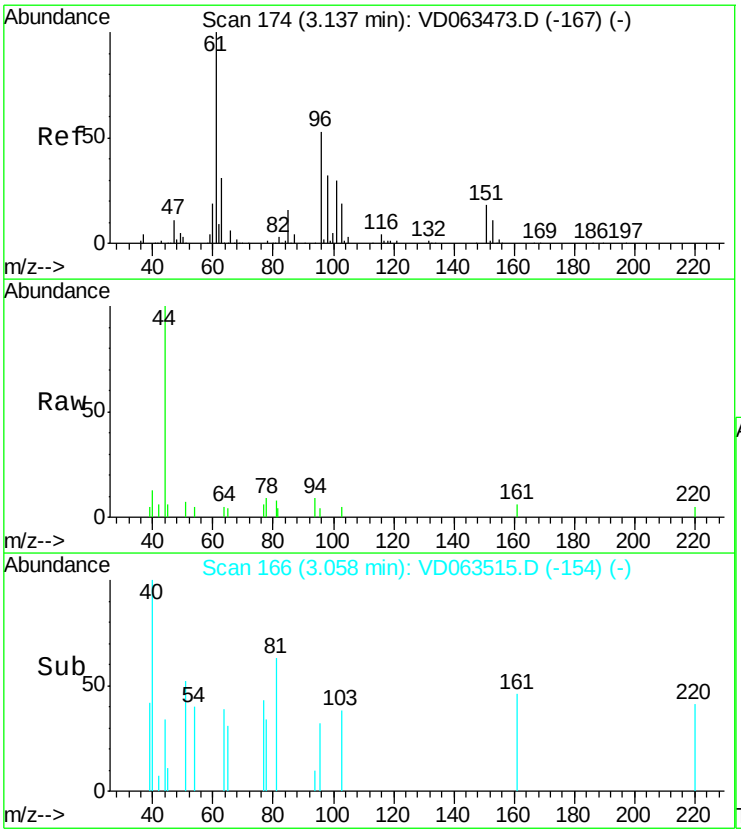
#8
Diethyl Ether
Concen: 3.295 ug/l
RT: 2.75 min Scan# 135
Delta R.T. -0.13 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 74 Resp: 189

Ion	Ratio	Lower	Upper
74	100		
45	103.1	68.5	205.5

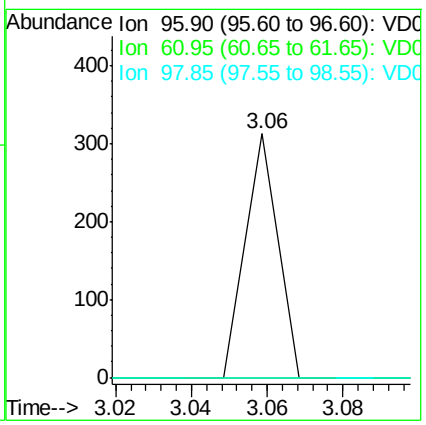


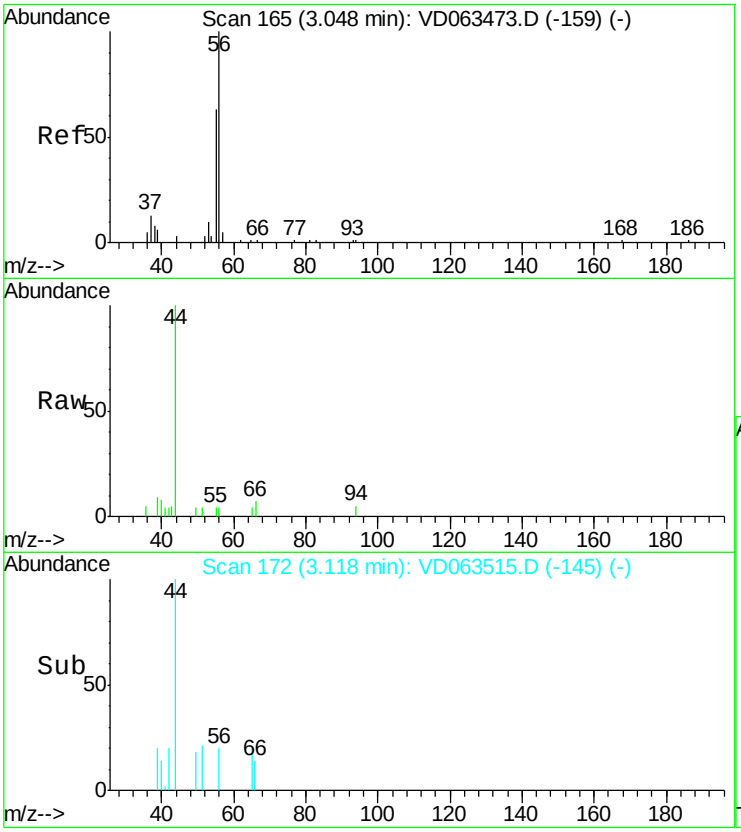


#12
1,1-Dichloroethene
Concen: 1.037 ug/l
RT: 3.06 min Scan# 166
Delta R.T. -0.08 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 96 Resp: 185

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



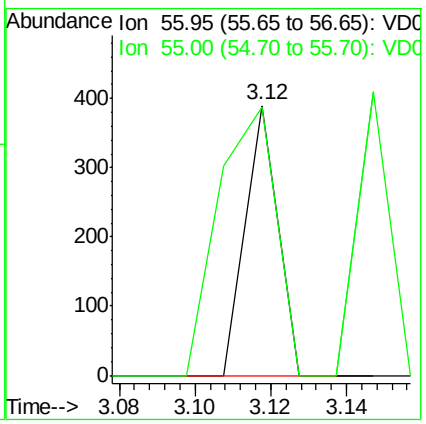


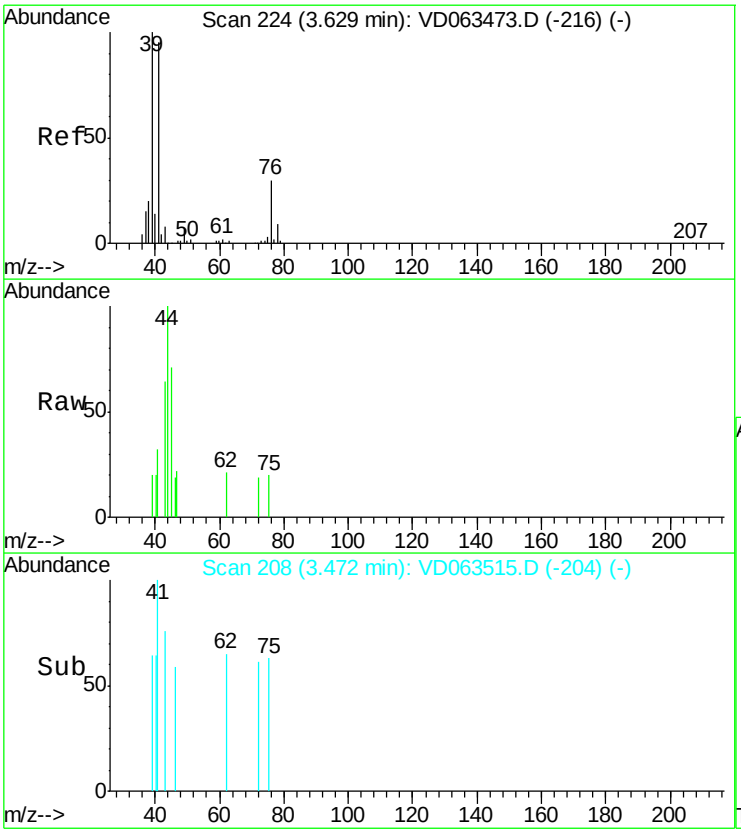
#13
Acrolein
Concen: 22.754 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.07 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 56 Resp: 230

Ion	Ratio	Lower	Upper
56	100		
55	99.5	51.3	76.9#

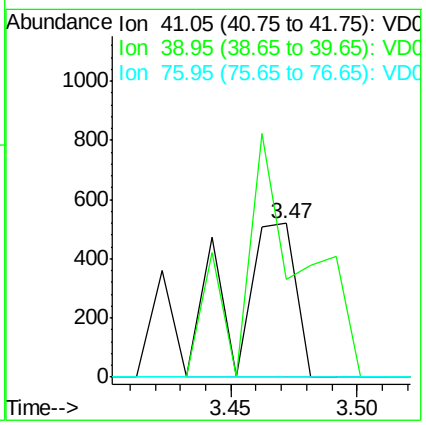


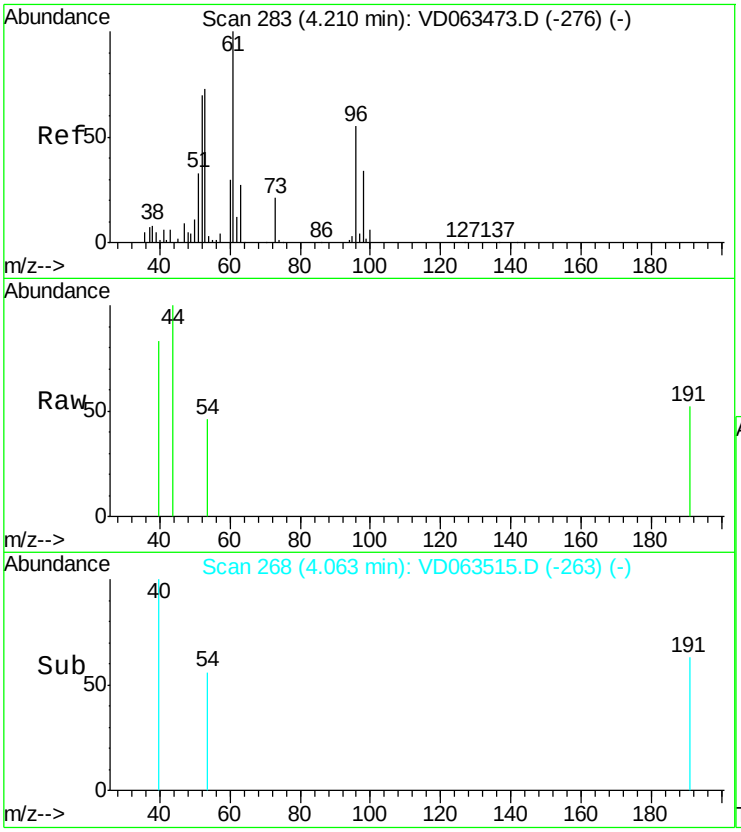


#14
Allyl chloride
Concen: 3.298 ug/l
RT: 3.47 min Scan# 208
Delta R.T. -0.16 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 41 Resp: 884

Ion	Ratio	Lower	Upper
41	100		
39	63.8	84.2	126.4#
76	0.0	26.0	39.0#



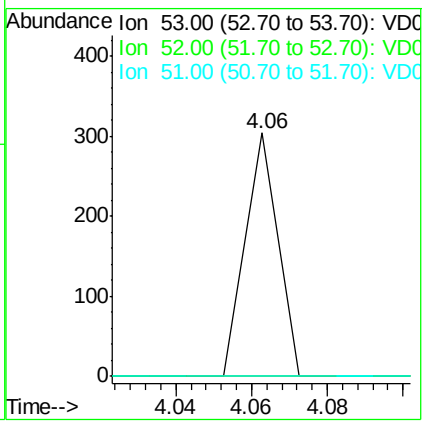


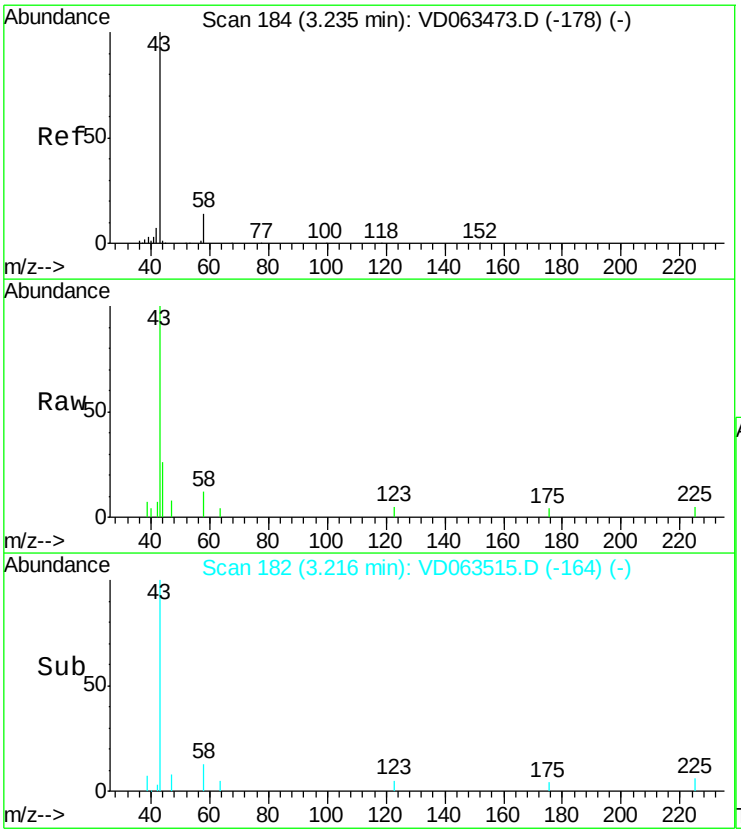
#15
Acrylonitrile
Concen: 6.617 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.15 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument :
MSVOA_D
ClientSampleId :
SP-14RE

Tgt Ion: 53 Resp: 180

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

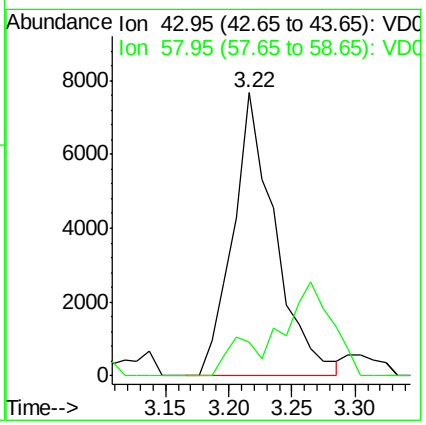


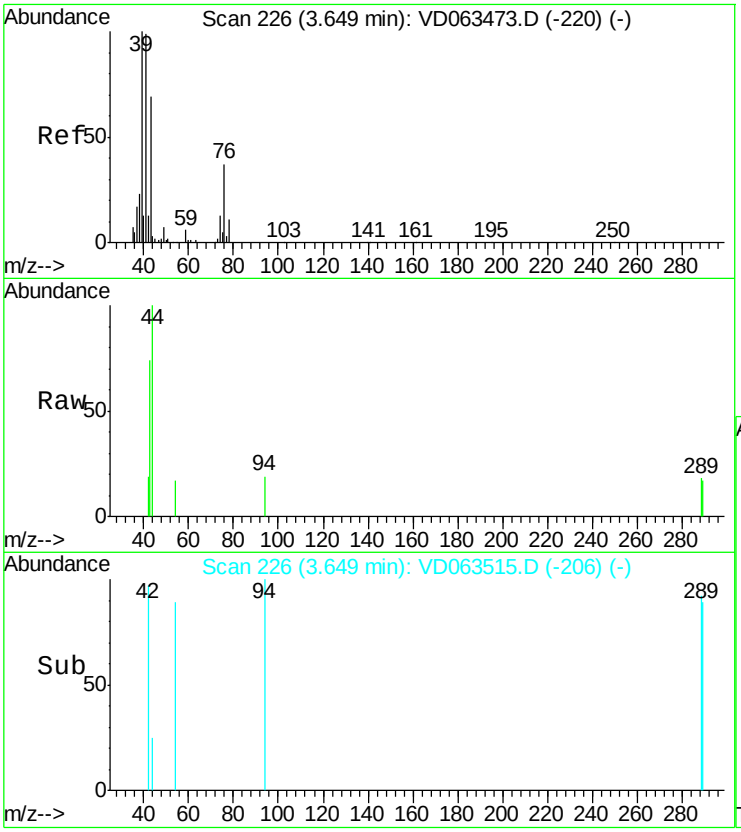


#16
Acetone
Concen: 371.773 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 43 Resp: 17828

Ion	Ratio	Lower	Upper
43	100		
58	11.9	11.4	17.2



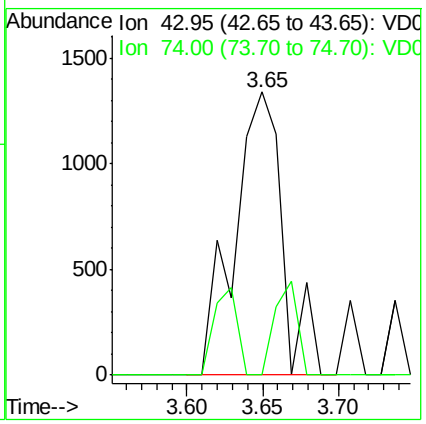


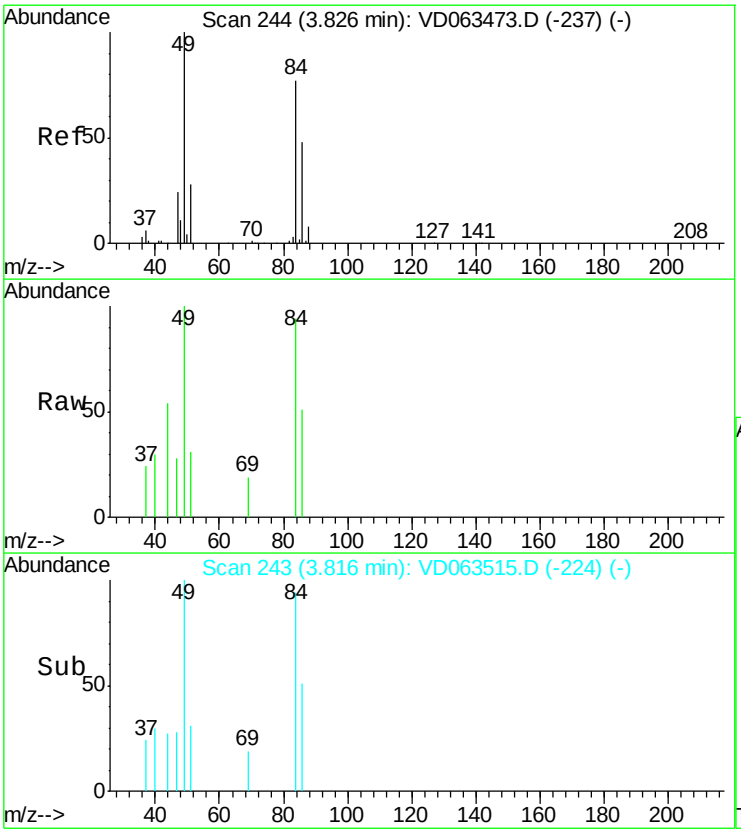
#18
Methyl Acetate
Concen: 32.852 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 43 Resp: 2984

Ion	Ratio	Lower	Upper
43	100		
74	0.0	15.4	23.2#

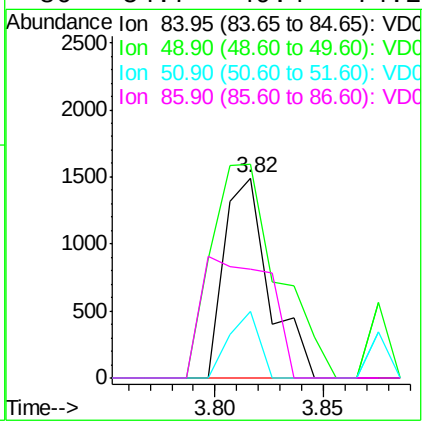


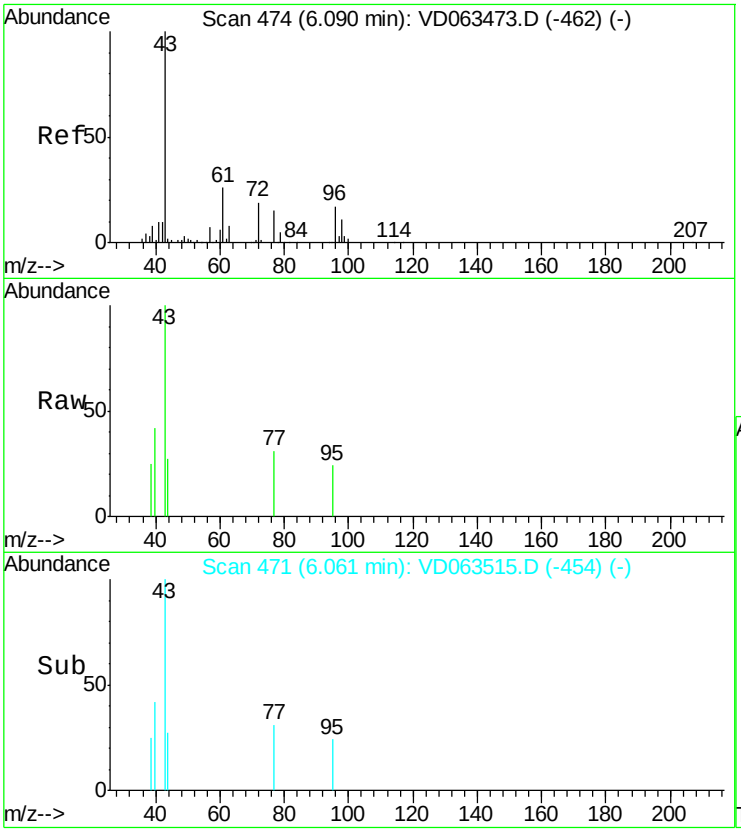


#20
Methylene Chloride
Concen: 10.417 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 84 Resp: 2160

Ion	Ratio	Lower	Upper
84	100		
49	106.9	103.4	155.2
51	33.6	28.5	42.7
86	54.7	49.4	74.2



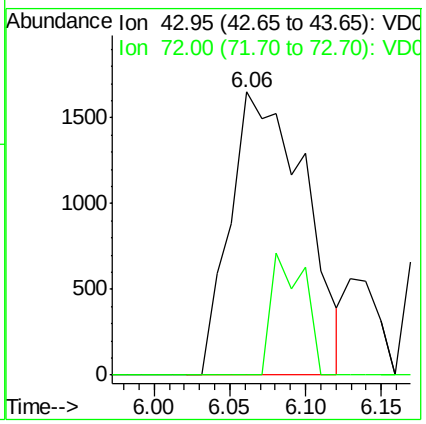


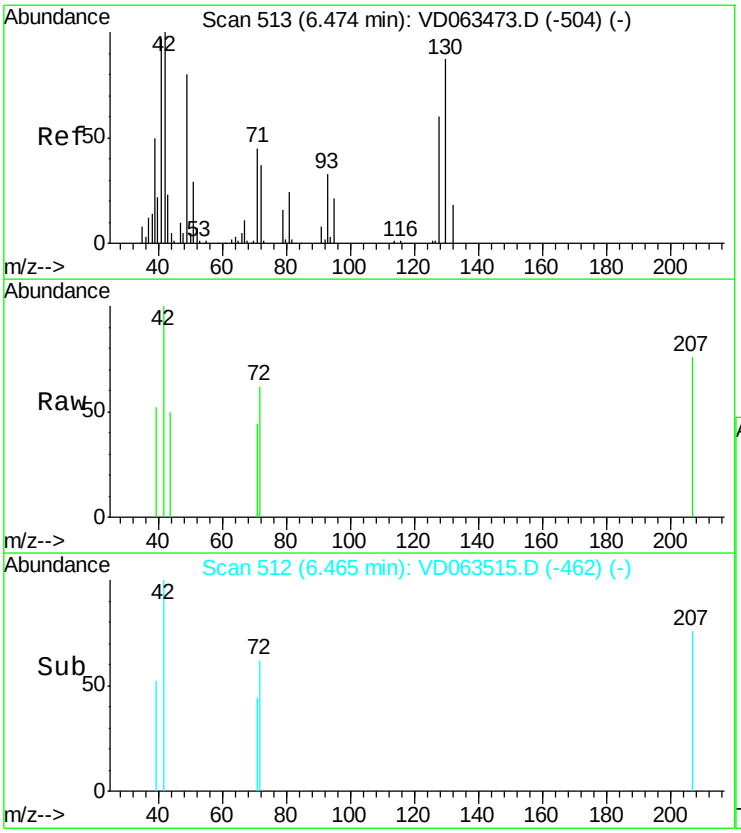
#25
2-Butanone
Concen: 119.677 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.03 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 43 Resp: 5668

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.1	22.7#

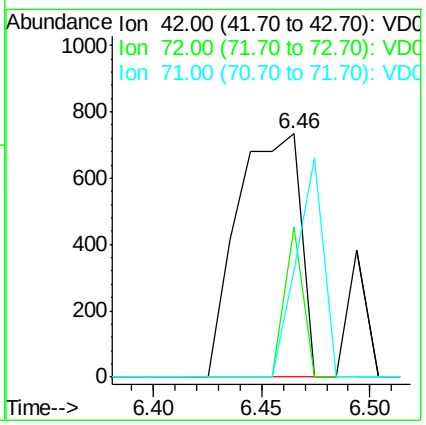


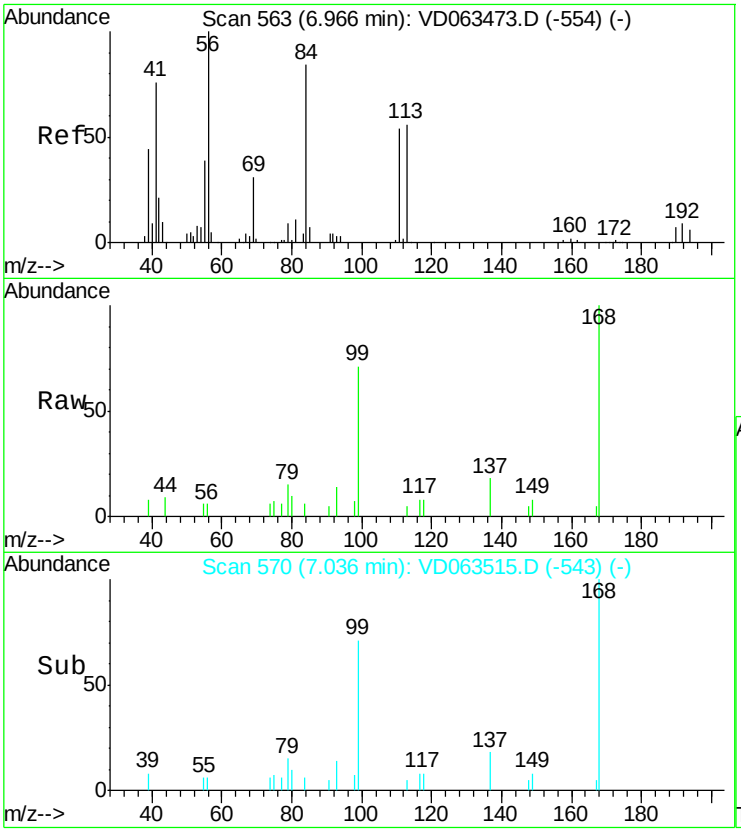


#29
Tetrahydrofuran
Concen: 67.198 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 42 Resp: 1483

Ion	Ratio	Lower	Upper
42	100		
72	18.0	31.5	47.3#
71	39.0	33.8	50.8



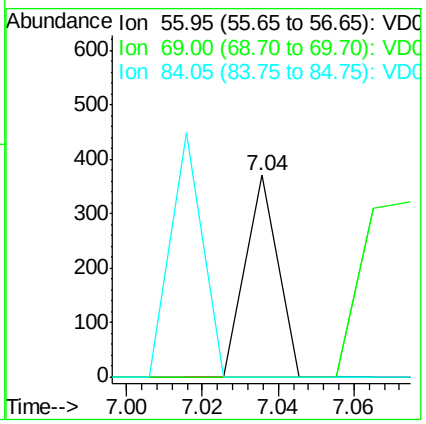


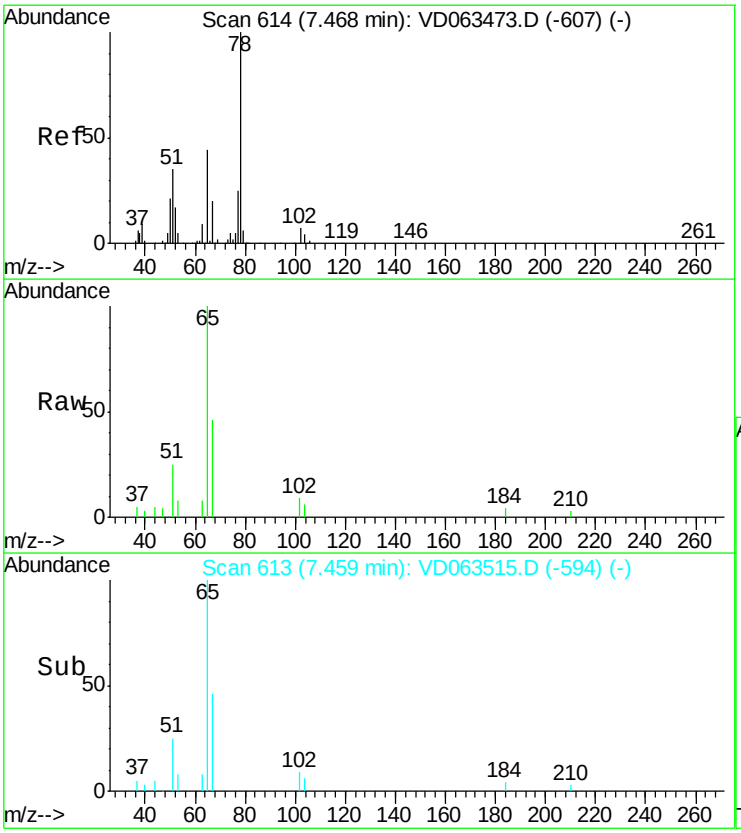
#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 56 Resp: 218

Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.0	37.6#
84	0.0	69.7	104.5#

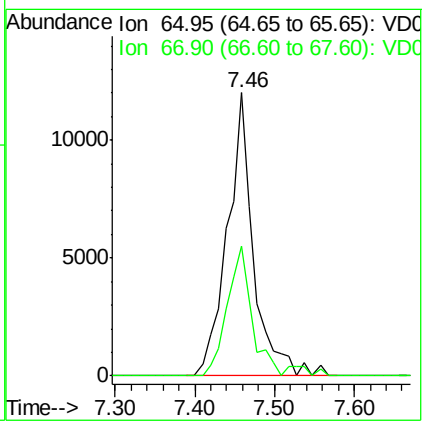


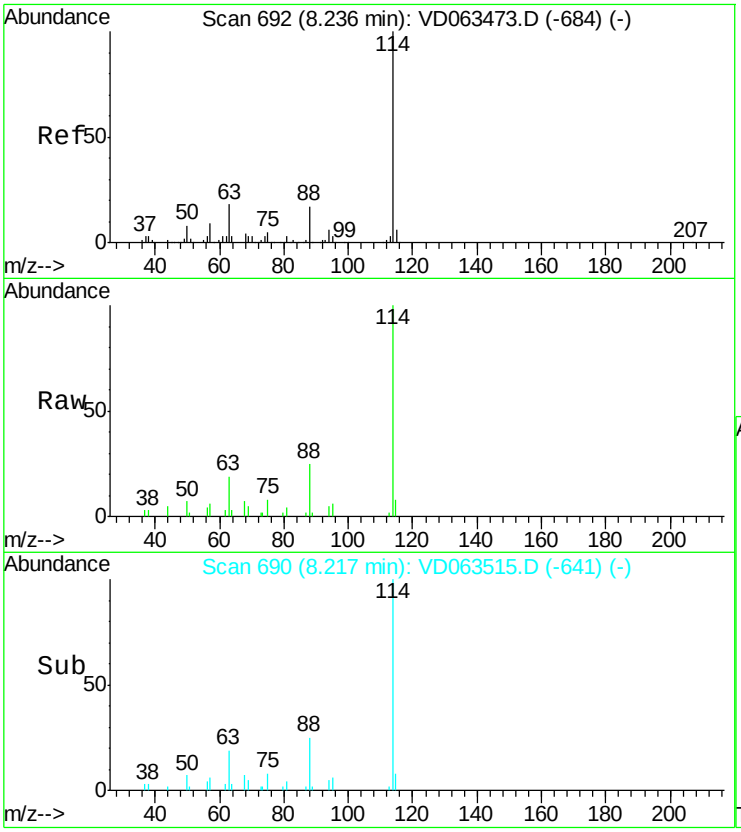


#33
1,2-Dichloroethane-d4
Concen: 116.998 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 65 Resp: 27600

Ion	Ratio	Lower	Upper
65	100		
67	45.7	0.0	89.2



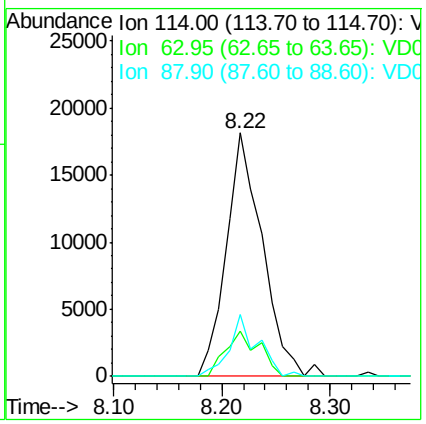


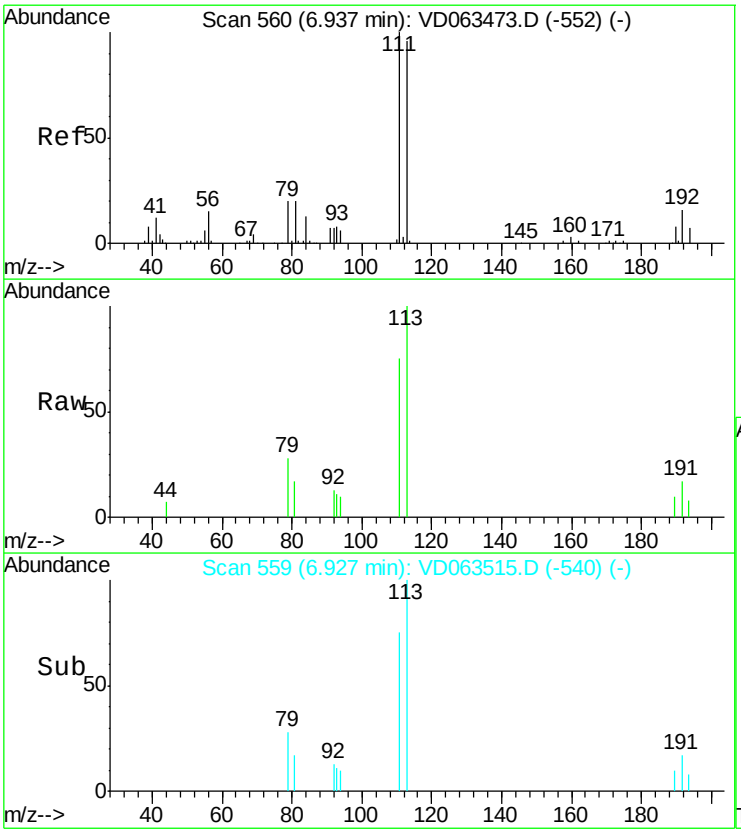
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. -0.02 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument :
MSVOA_D
ClientSampleId :
SP-14RE

Tgt Ion:114 Resp: 42110

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	36.2
88	25.4	0.0	35.0

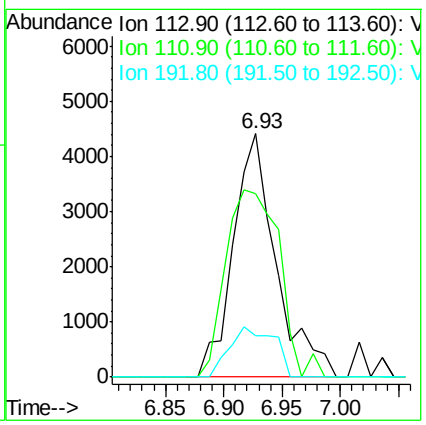


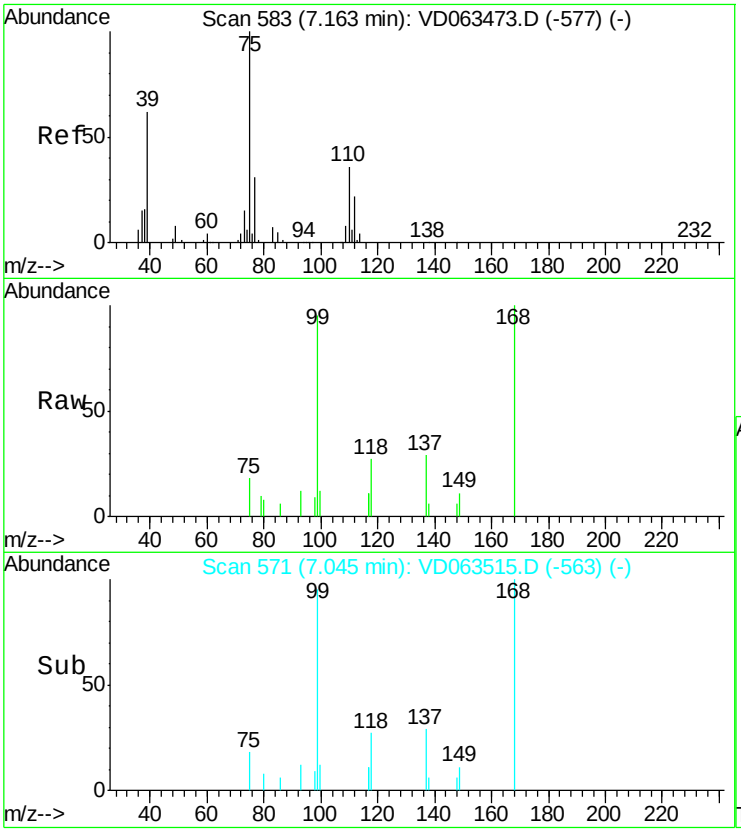


#35
Dibromofluoromethane
Concen: 31.648 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion:113 Resp: 11224

Ion	Ratio	Lower	Upper
113	100		
111	75.2	83.1	124.7#
192	17.1	13.1	19.7



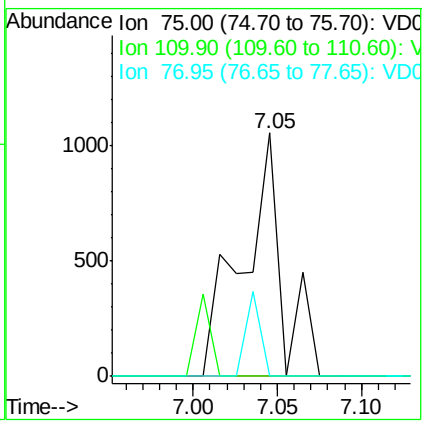


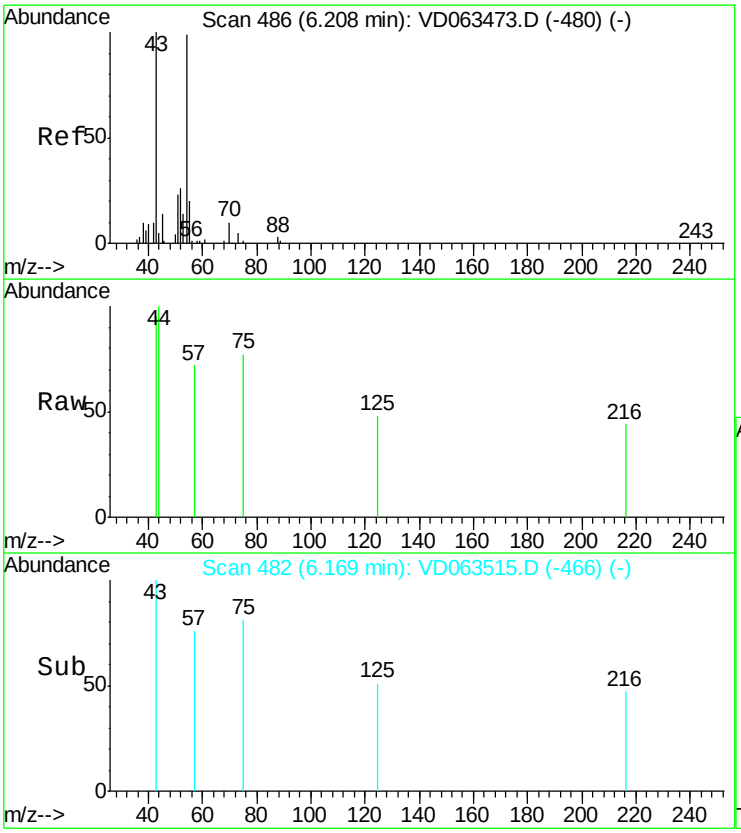
#36
1,1-Dichloropropene
Concen: 4.661 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.12 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 75 Resp: 1735

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

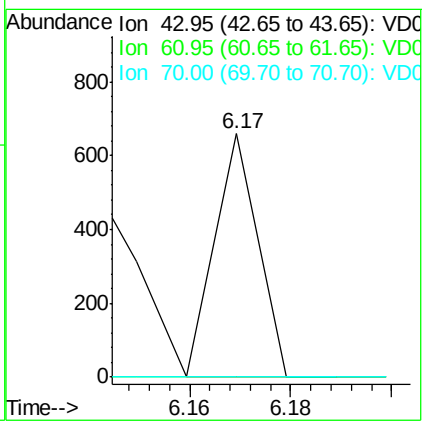


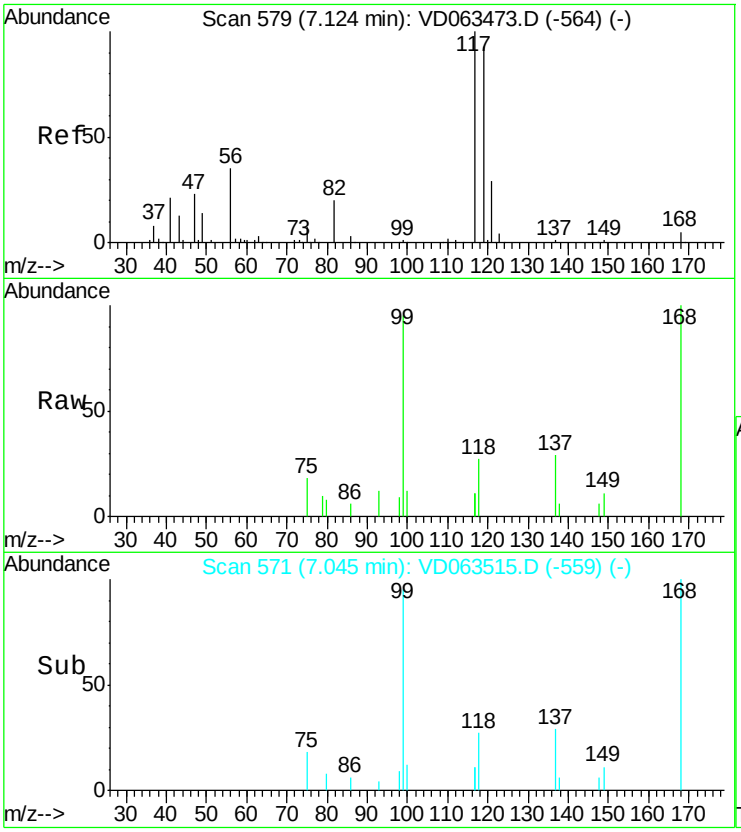


#37
Ethyl Acetate
Concen: 2.500 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 43 Resp: 390

Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.0	13.6#
70	0.0	6.9	10.3#



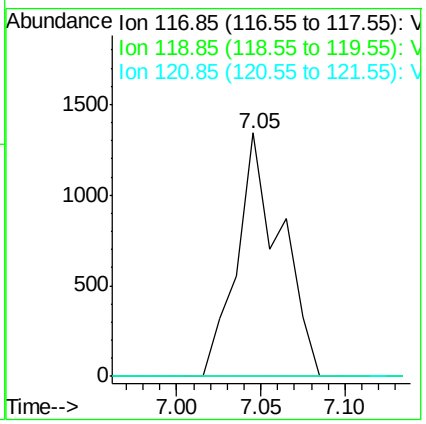


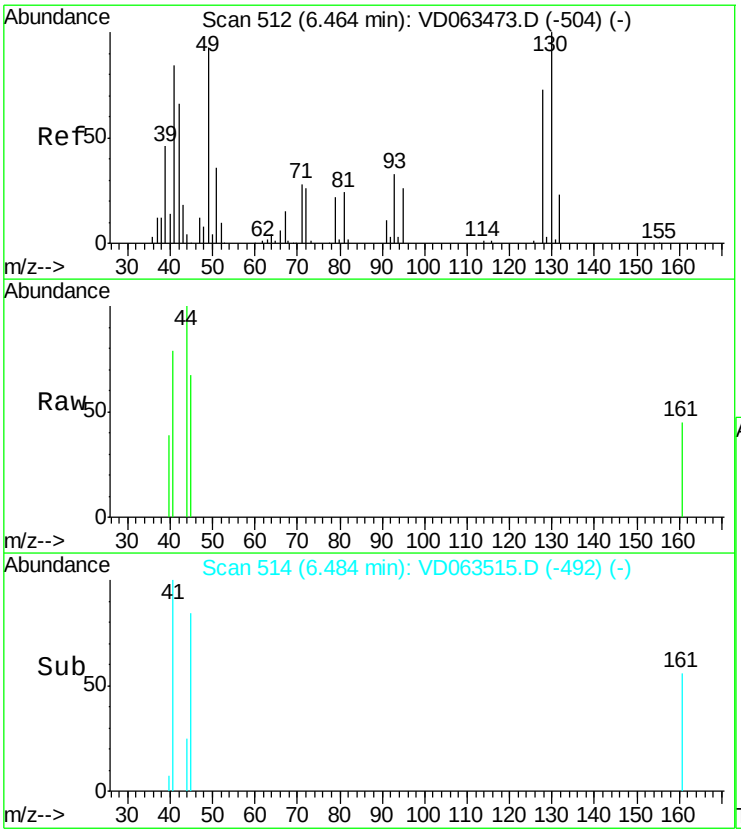
#38
Carbon Tetrachloride
Concen: 4.328 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.08 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument :
MSVOA_D
ClientSampleId :
SP-14RE

Tgt Ion:117 Resp: 2428

Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.2	111.2#
121	0.0	23.1	34.7#

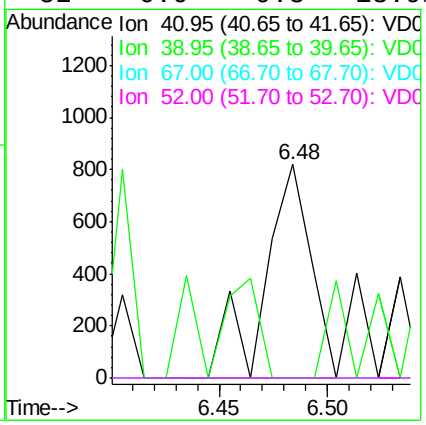


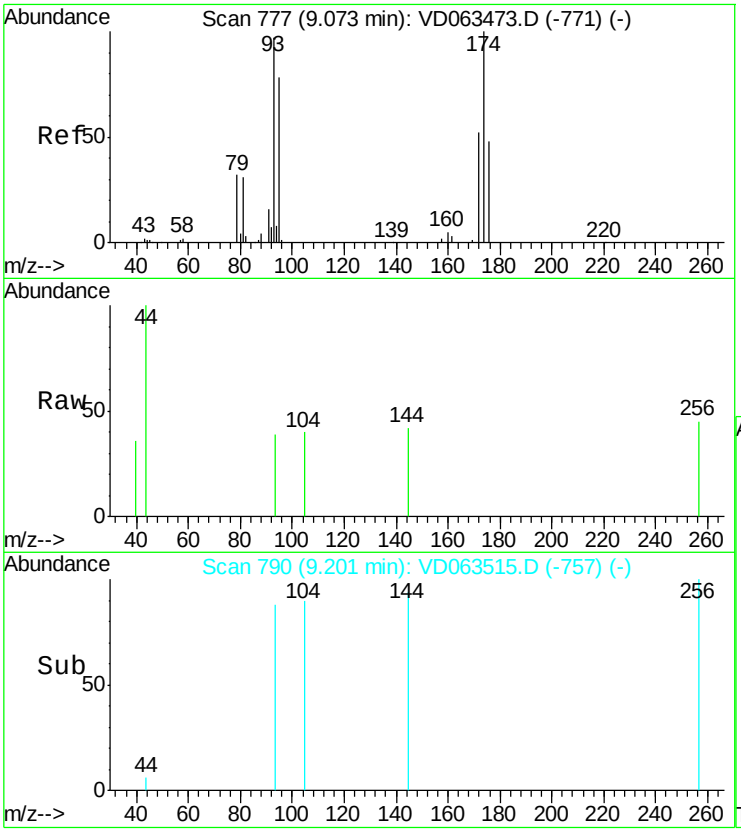


#41
Methacrylonitrile
Concen: 6.283 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.02 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 41 Resp: 1234

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



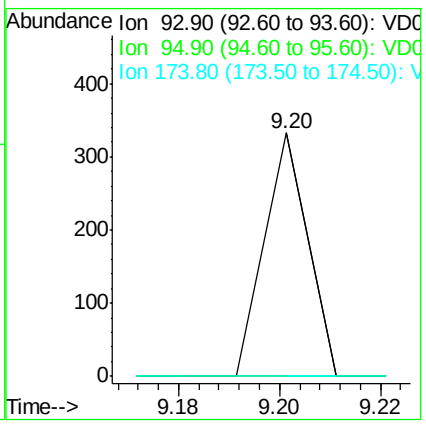


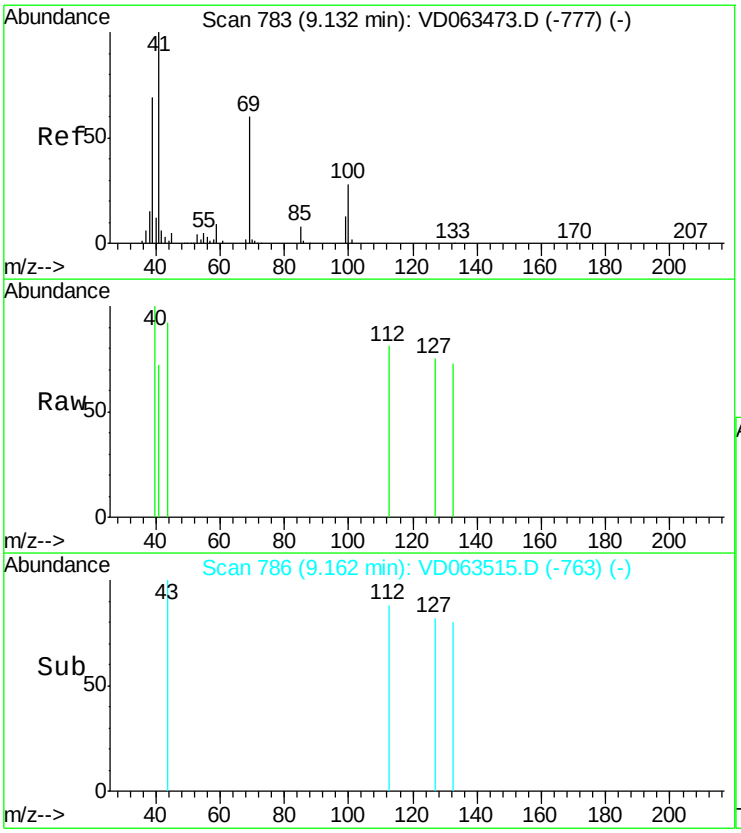
#46
Dibromomethane
Concen: 1.209 ug/l
RT: 9.20 min Scan# 790
Delta R.T. 0.13 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 93 Resp: 197

Ion	Ratio	Lower	Upper
93	100		
95	0.0	64.2	96.2#
174	0.0	82.1	123.1#

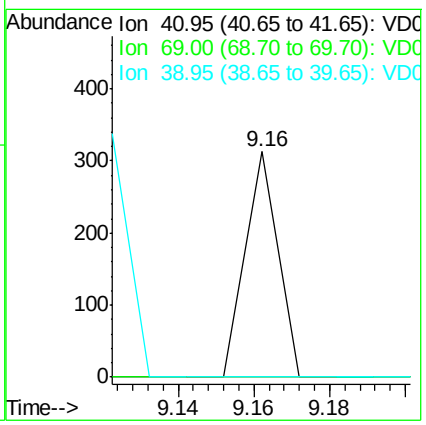


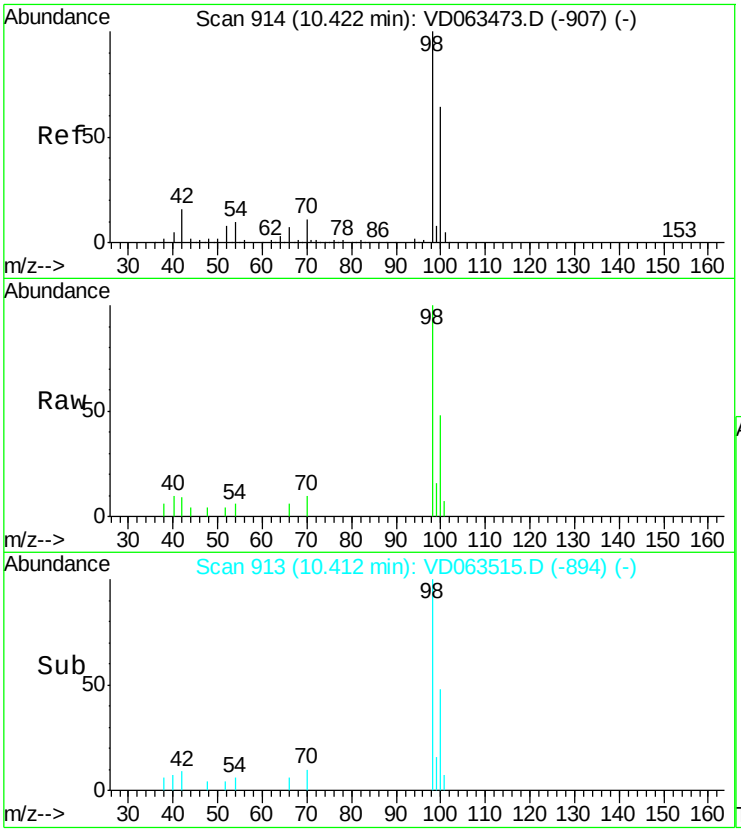


#48
Methyl methacrylate
Concen: 1.306 ug/l
RT: 9.16 min Scan# 786
Delta R.T. 0.03 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 41 Resp: 185

Ion	Ratio	Lower	Upper
41	100		
69	0.0	47.6	71.4#
39	0.0	55.7	83.5#



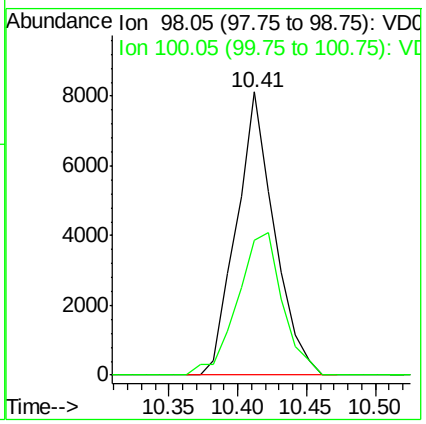


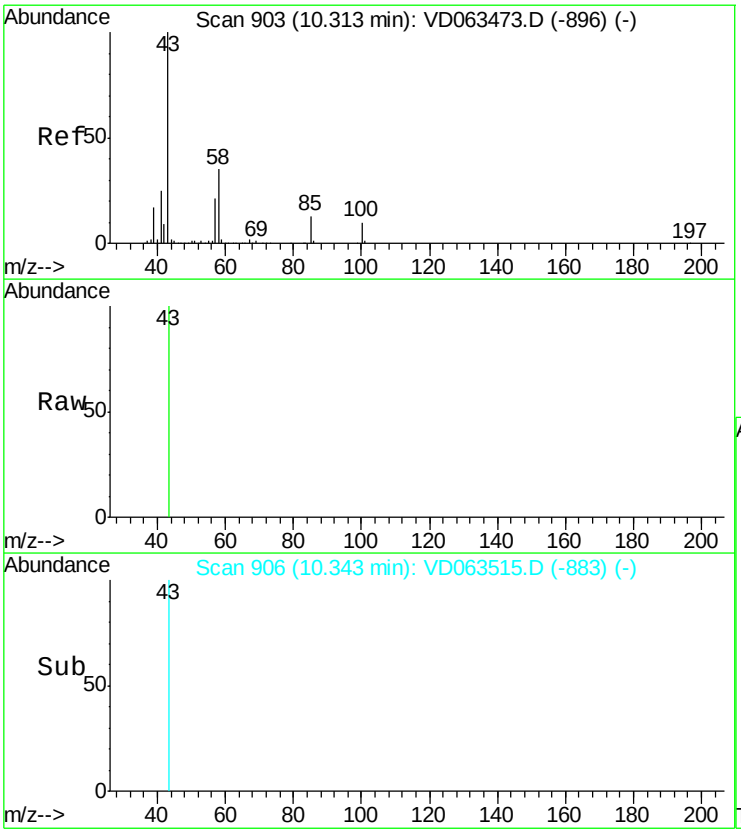
#50
Toluene-d8
Concen: 19.930 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 98 Resp: 15540

Ion	Ratio	Lower	Upper
98	100		
100	47.7	51.7	77.5#

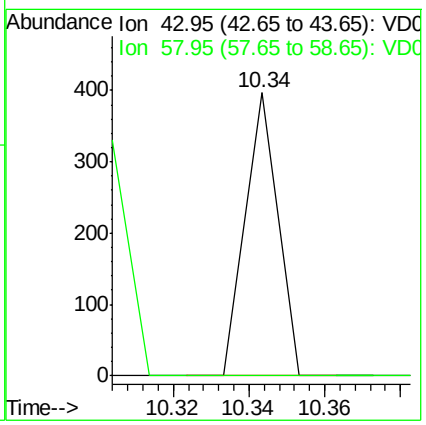


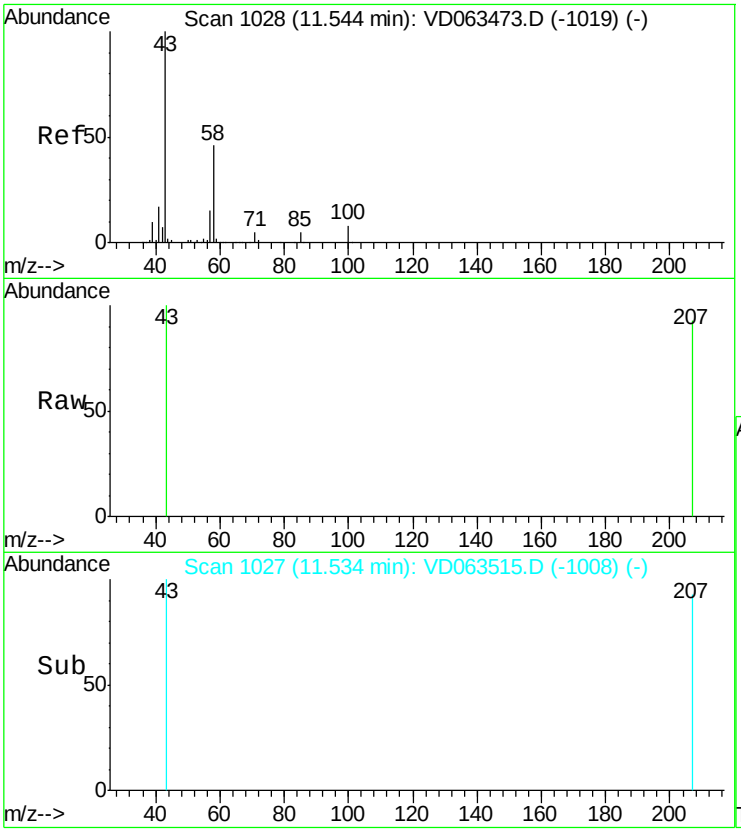


#51
4-Methyl-2-Pentanone
Concen: 1.637 ug/l
RT: 10.34 min Scan# 906
Delta R.T. 0.03 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 43 Resp: 234

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.0	42.0#



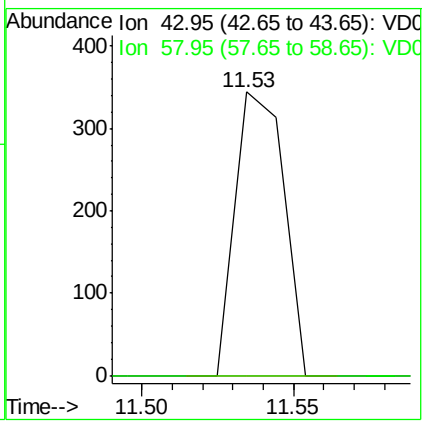


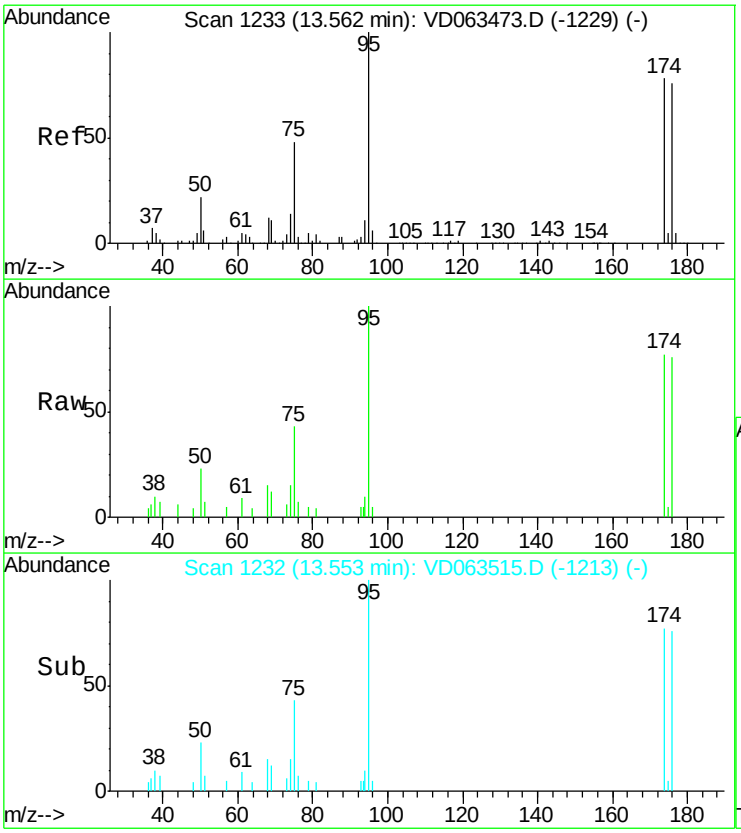
#59
2-Hexanone
Concen: 3.730 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 43 Resp: 388

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.1	69.2#

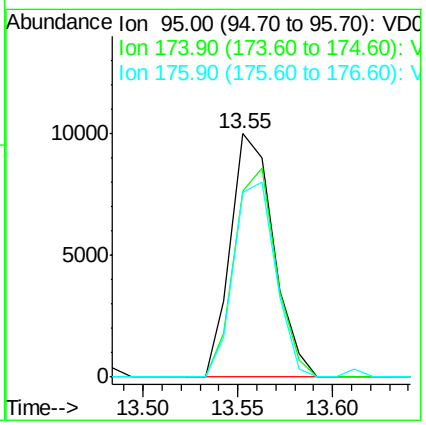


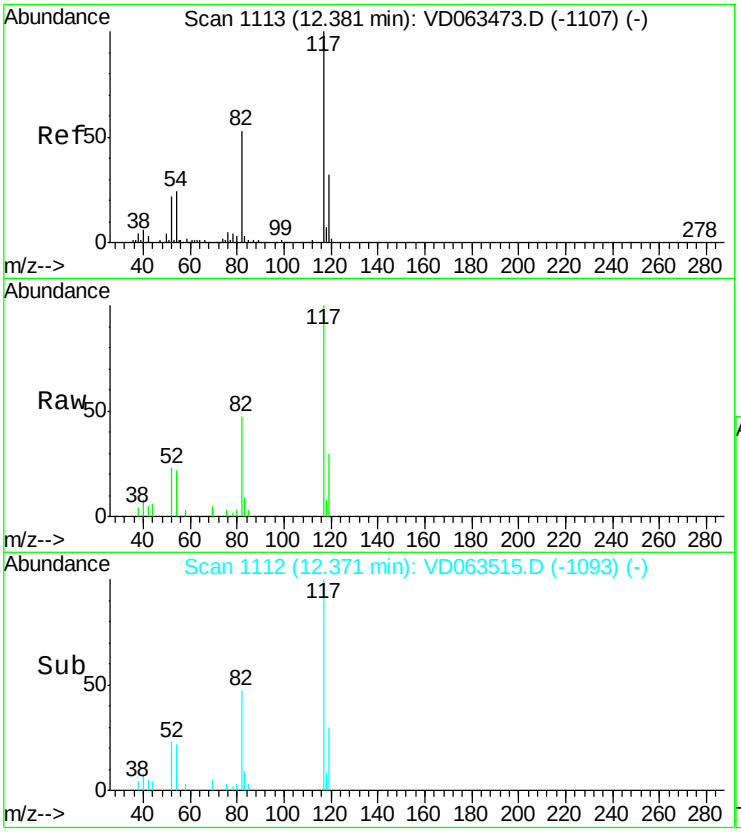


#62
4-Bromofluorobenzene
Concen: 44.414 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion: 95 Resp: 15696

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	155.4
176	76.0	0.0	152.4



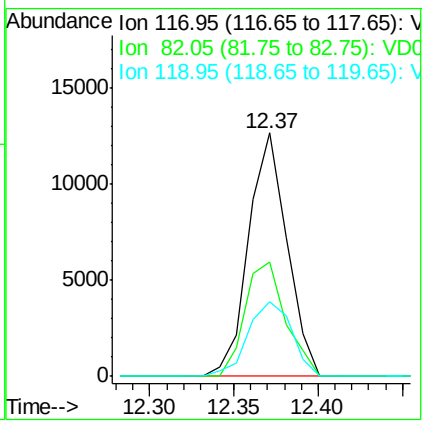


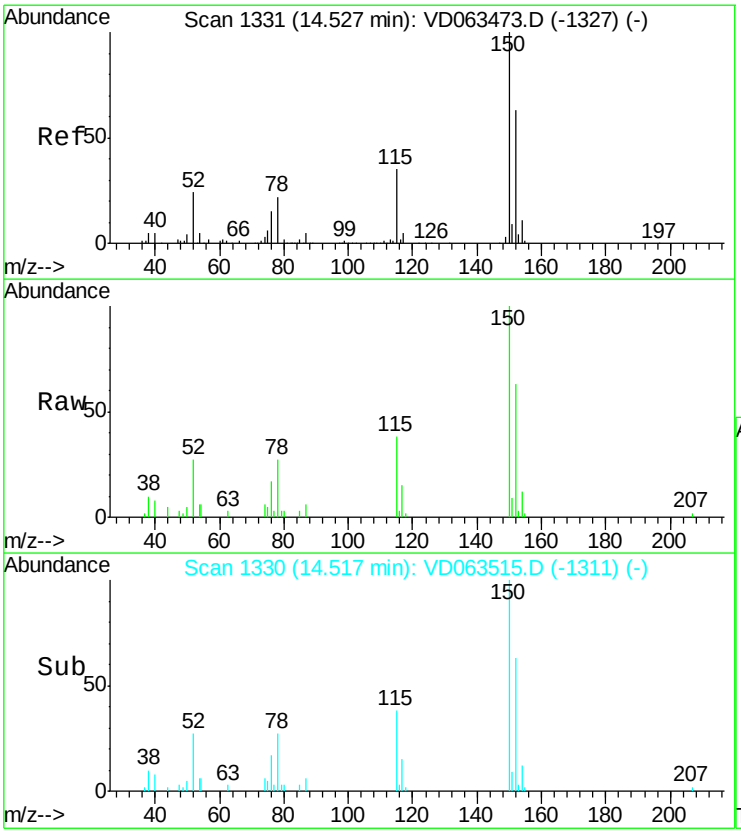
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion:117 Resp: 20012

Ion	Ratio	Lower	Upper
117	100		
82	47.1	42.0	63.0
119	30.4	25.4	38.0

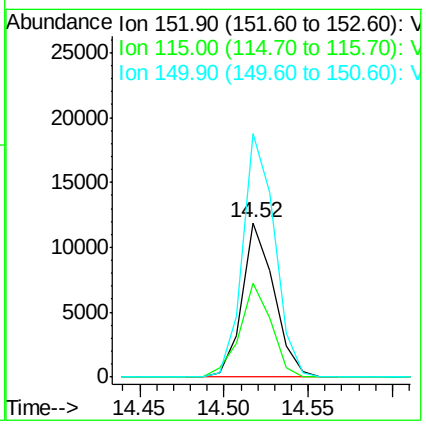


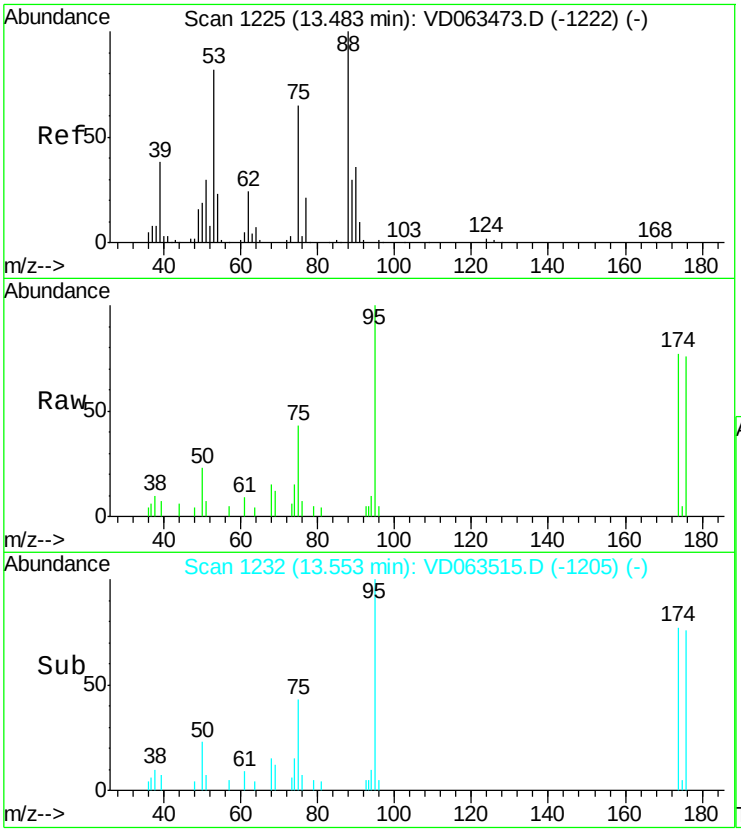


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion:152 Resp: 15576

Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.9	92.7
150	157.9	0.0	318.6



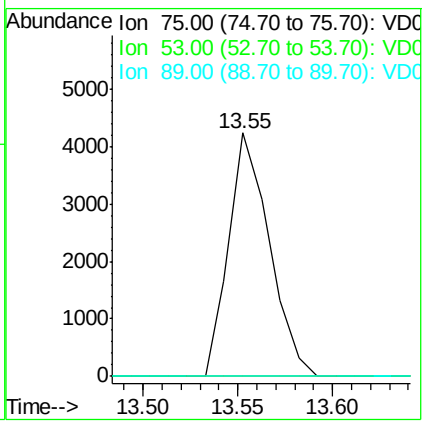


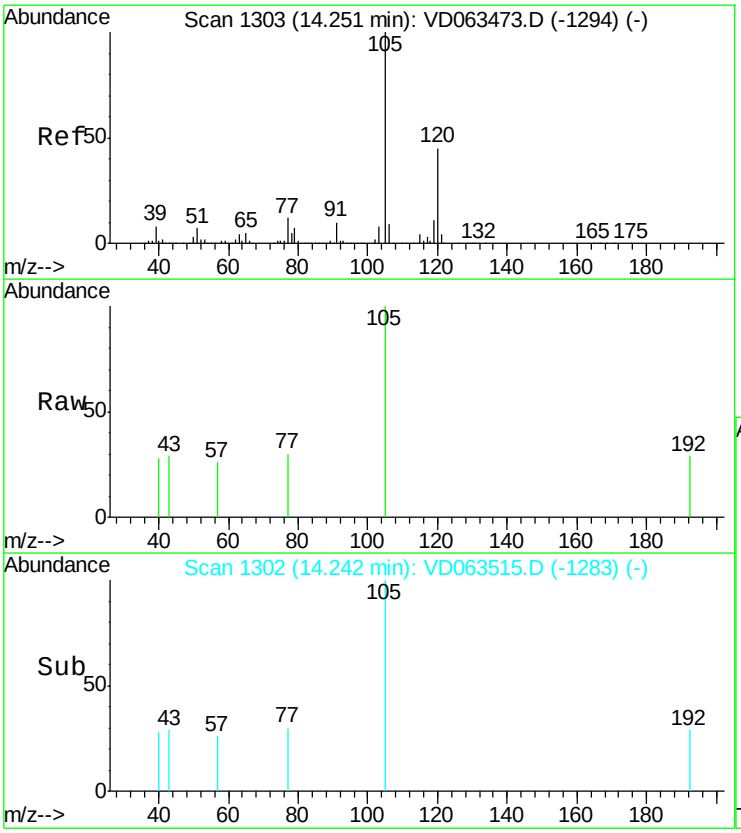
#81
trans-1,4-Dichloro-2-butene
Concen: 130.603 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion: 75 Resp: 6275

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

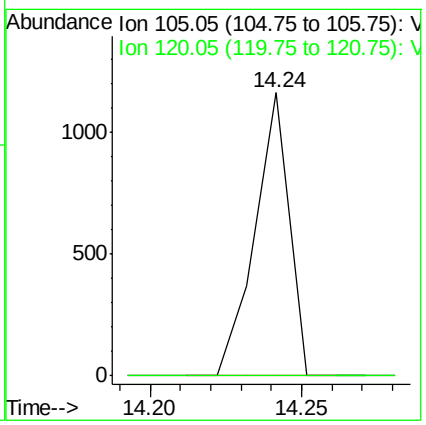


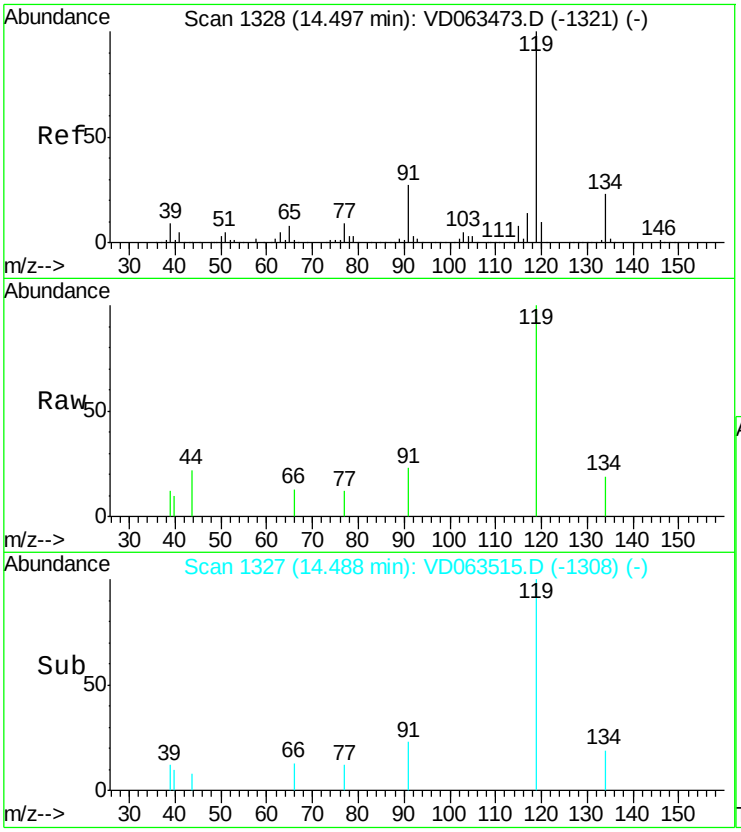


#84
1,2,4-Trimethylbenzene
Concen: 1.132 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion:105 Resp: 907

Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.7	68.1#



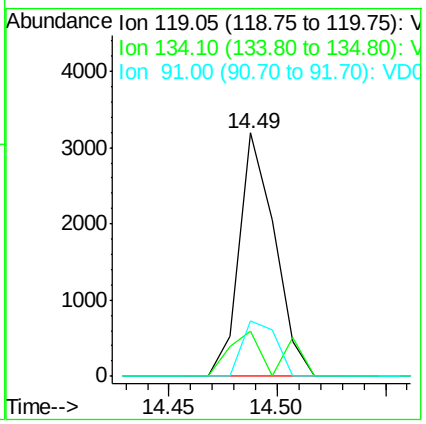


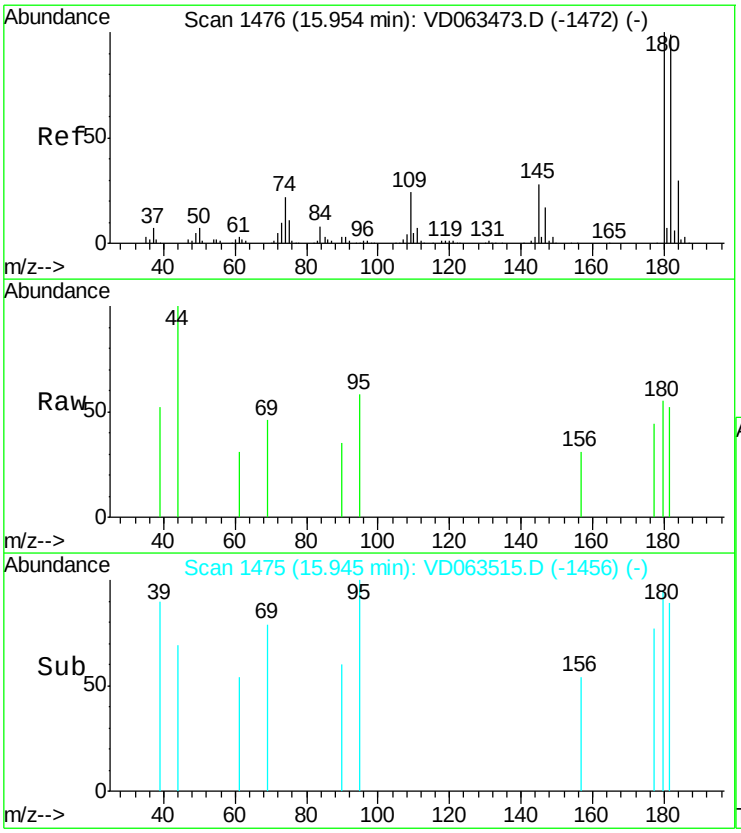
#86
p-Isopropyltoluene
Concen: 3.969 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument :
MSVOA_D
ClientSampleId :
SP-14RE

Tgt Ion:119 Resp: 3674

Ion	Ratio	Lower	Upper
119	100		
134	18.5	11.3	33.8
91	23.0	13.5	40.4

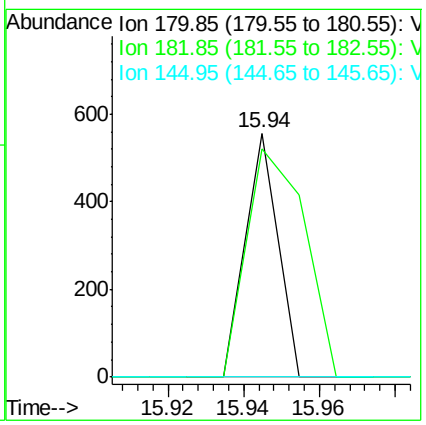


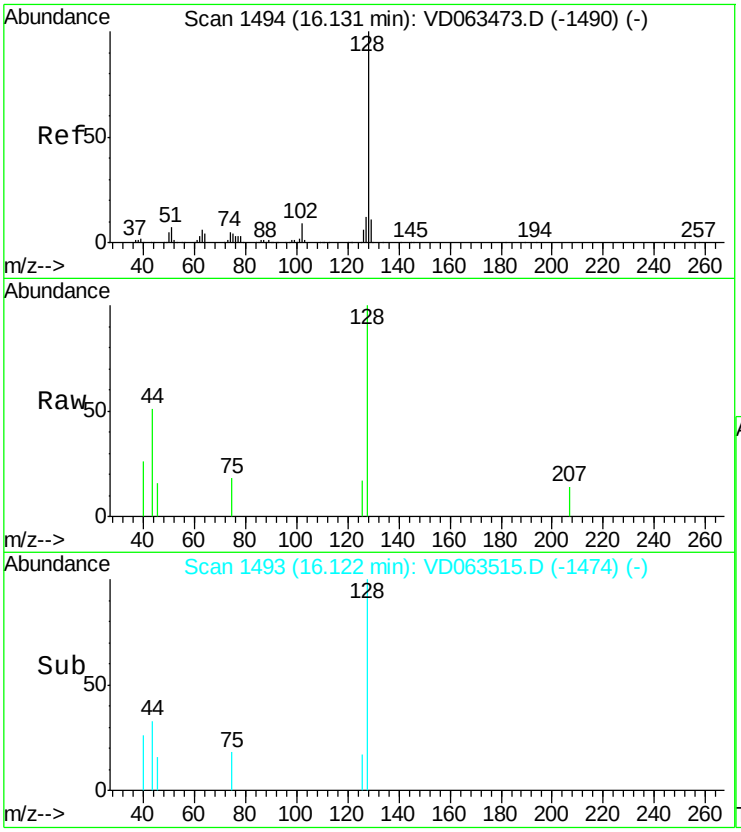


#93
1,2,4-Trichlorobenzene
Concen: 1.073 ug/l
RT: 15.94 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion:180 Resp: 328

Ion	Ratio	Lower	Upper
180	100		
182	93.5	49.7	149.1
145	0.0	14.1	42.2#



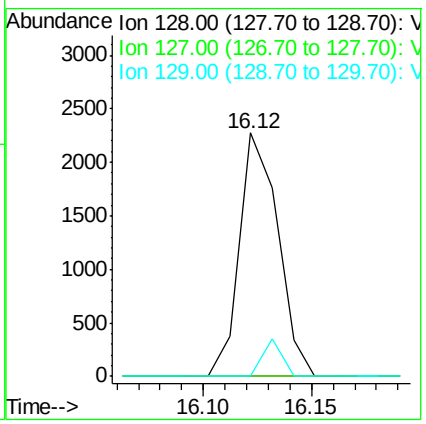


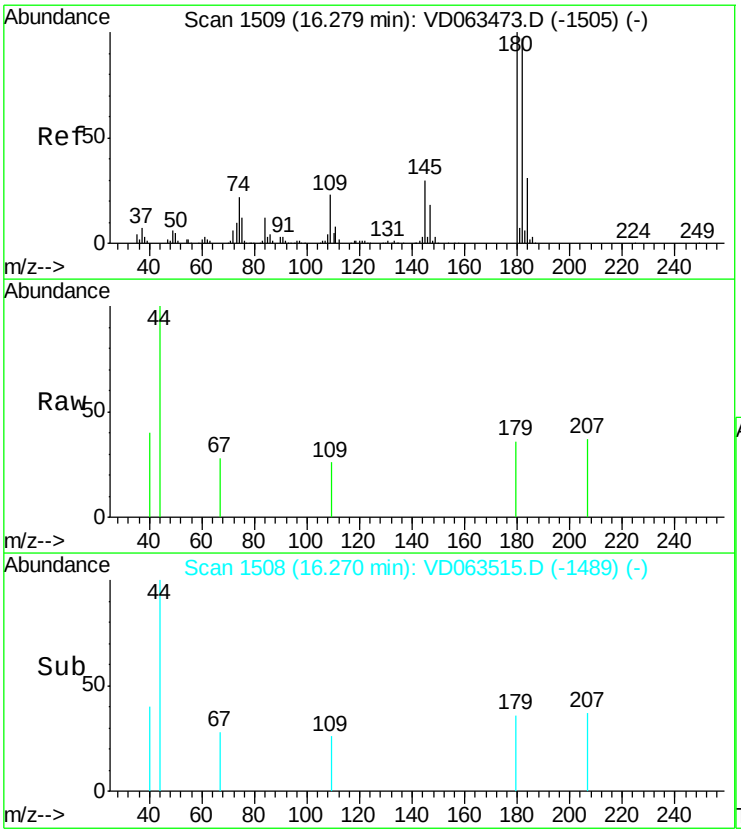
#95
Naphthalene
Concen: 6.066 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Instrument : MSVOA_D
ClientSampleId : SP-14RE

Tgt Ion:128 Resp: 2811

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





#96
1,2,3-Trichlorobenzene
Concen: 1.980 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063515.D
Acq: 13 Aug 2019 5:34

Tgt Ion:180 Resp: 489

Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.4	145.2#
145	0.0	14.9	44.9#