Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD053119\
Data File : VD062569.D
Acq On : 31 May 2019 17:41
Operator : VA/AP
Sample : K3097-09RE
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190429-HR-9RE

Quant Time: May 31 23:27:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	10341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	14283	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	11892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	4899	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	7332	60.47	ug/l	0.00
Spiked Amount 50.000			Recovery = 120.94%			
35) Dibromofluoromethane	6.93	113	5591	42.96	ug/l	0.00
Spiked Amount 50.000			Recovery = 85.92%			
50) Toluene-d8	10.43	98	11151	39.10	ug/l	0.00
Spiked Amount 50.000			Recovery = 78.20%			
62) 4-Bromofluorobenzene	13.57	95	5364	41.71	ug/l	0.00
Spiked Amount 50.000			Recovery = 83.42%			
Target Compounds						Qvalue
3) Chloromethane	1.76	50	1994	14.539	ug/l #	43
4) Vinyl Chloride	1.88	62	178	1.943	ug/l #	42
5) Bromomethane	2.18	94	835	28.066	ug/l #	12
6) Chloroethane	2.25	64	193	4.492	ug/l #	45
7) Trichlorofluoromethane	2.48	101	239	1.234	ug/l #	16
8) Diethyl Ether	2.81	74	185	7.449	ug/l #	1
10) Methyl Iodide	3.35	142	898	6.922	ug/l #	27
13) Acrolein	2.99	56	337	149.552	ug/l #	82
16) Acetone	3.22	43	3116	130.796	ug/l #	60
18) Methyl Acetate	3.54	43	287	7.381	ug/l #	63
23) Vinyl Acetate	5.04	43	367	2.345	ug/l #	80
25) 2-Butanone	6.09	43	380	16.936	ug/l #	62
29) Tetrahydrofuran	6.46	42	203	20.198	ug/l #	33
31) Cyclohexane	7.07	56	198	1.758	ug/l #	18
36) 1,1-Dichloropropene	7.05	75	647	4.550	ug/l #	35
37) Ethyl Acetate	6.09	43	380	6.339	ug/l #	72
38) Carbon Tetrachloride	7.07	117	572	2.702	ug/l #	15
52) Toluene	10.52	92	193	1.014	ug/l #	1
55) 1,1,2-Trichloroethane	11.25	97	1148	18.370	ug/l #	16
64) Tetrachloroethene	11.15	164	245	2.331	ug/l #	1
67) Ethyl Benzene	12.54	91	1218	2.870	ug/l #	47
68) m/p-Xylenes	12.68	106	1308	8.908	ug/l #	62
78) n-propylbenzene	13.78	91	528	1.418	ug/l #	57
79) 2-Chlorotoluene	13.78	91	528	2.446	ug/l #	41
81) trans-1,4-Dichloro-2-buten	13.56	75	3062	181.816	ug/l #	5
84) 1,2,4-Trimethylbenzene	14.25	105	2477	8.808	ug/l	90
85) sec-Butylbenzene	14.25	105	2477	7.593	ug/l #	60
89) n-Butylbenzene	14.81	91	363	1.334	ug/l #	30
90) Hexachloroethane	15.14	117	1334	16.498	ug/l #	6
95) Naphthalene	16.13	128	640	4.551	ug/l #	71

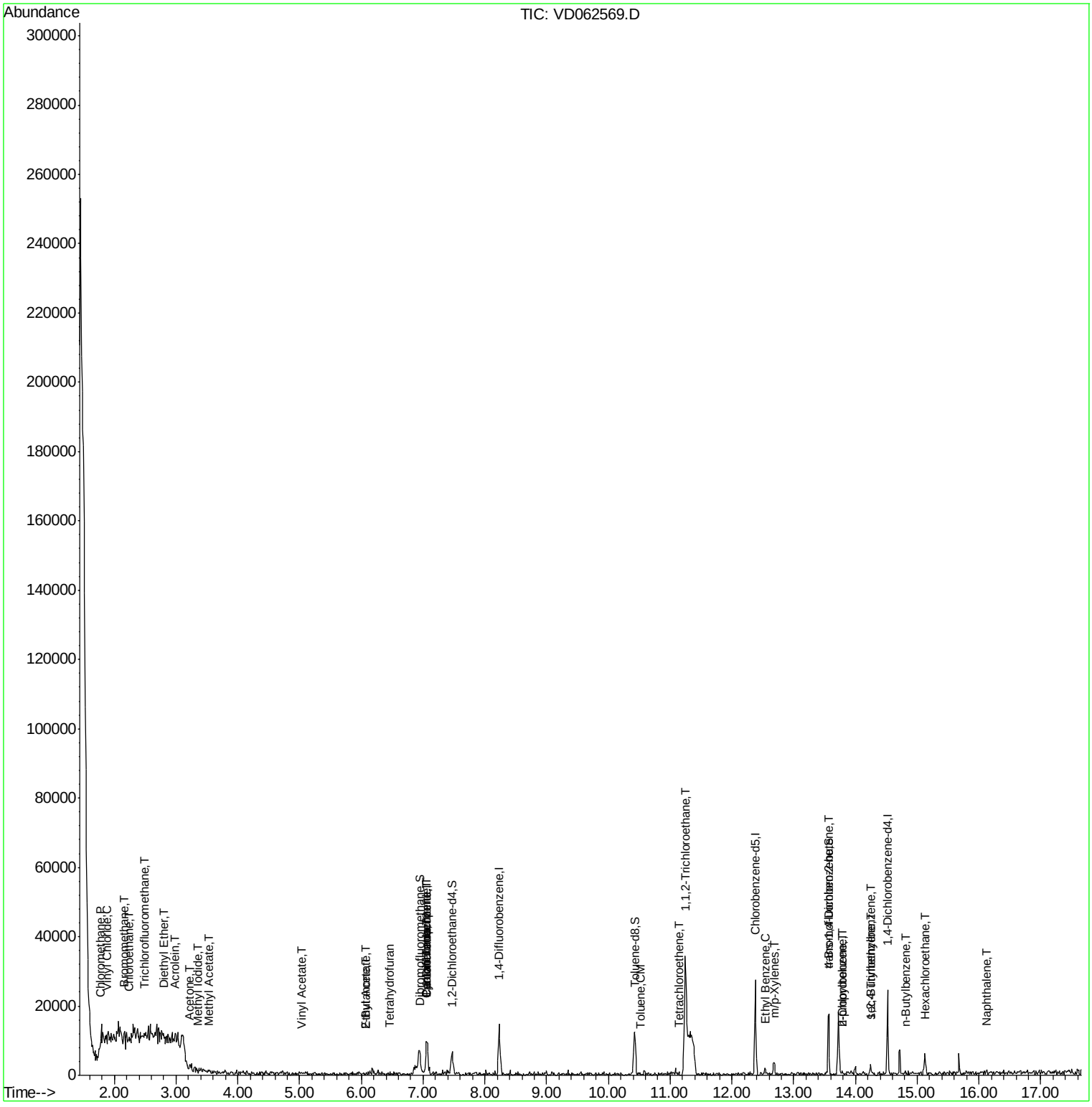
(#) = qualifier out of range (m) = manual integration (+) = signals summed

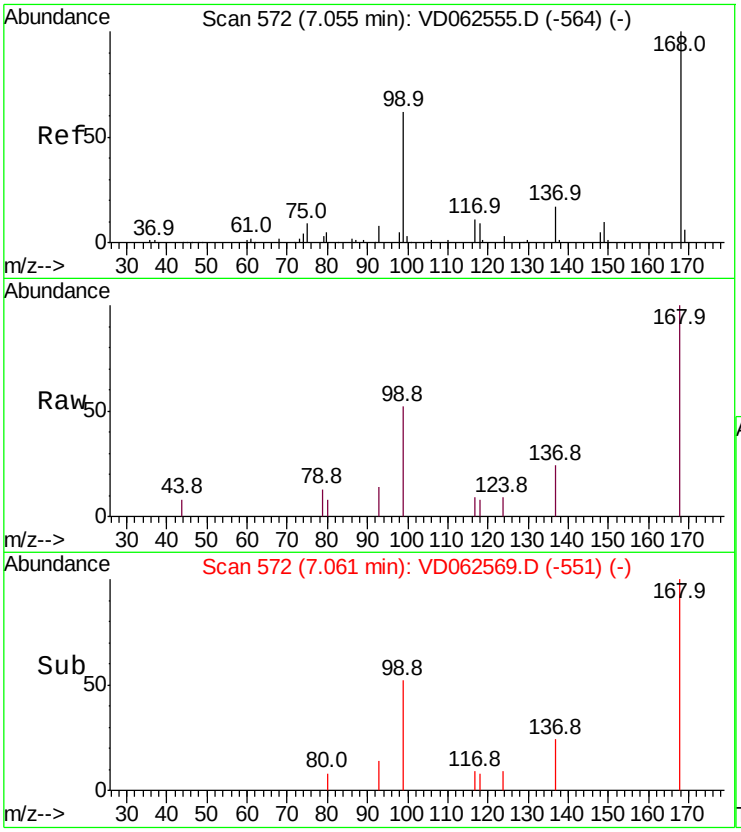
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD053119\
Data File : VD062569.D
Acq On : 31 May 2019 17:41
Operator : VA/AP
Sample : K3097-09RE
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Quant Time: May 31 23:27:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration



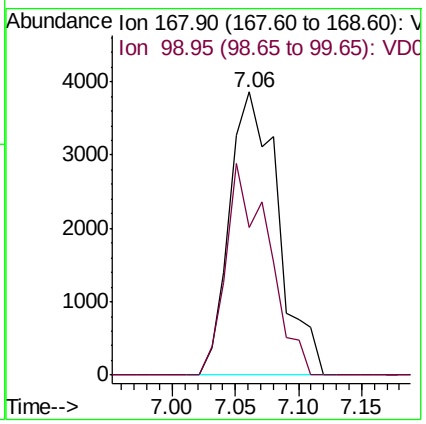


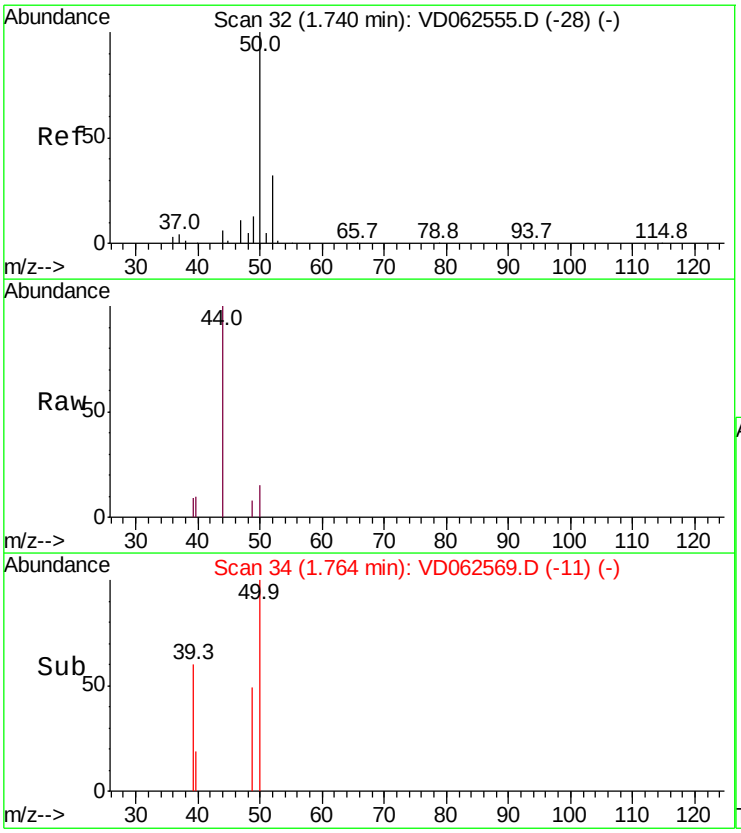
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.01 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion:168 Resp: 10341

Ion	Ratio	Lower	Upper
168	100		
99	52.0	50.8	76.2

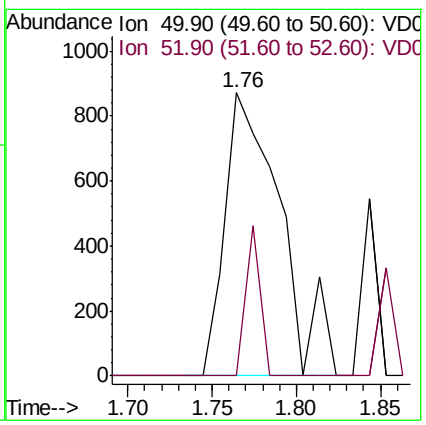


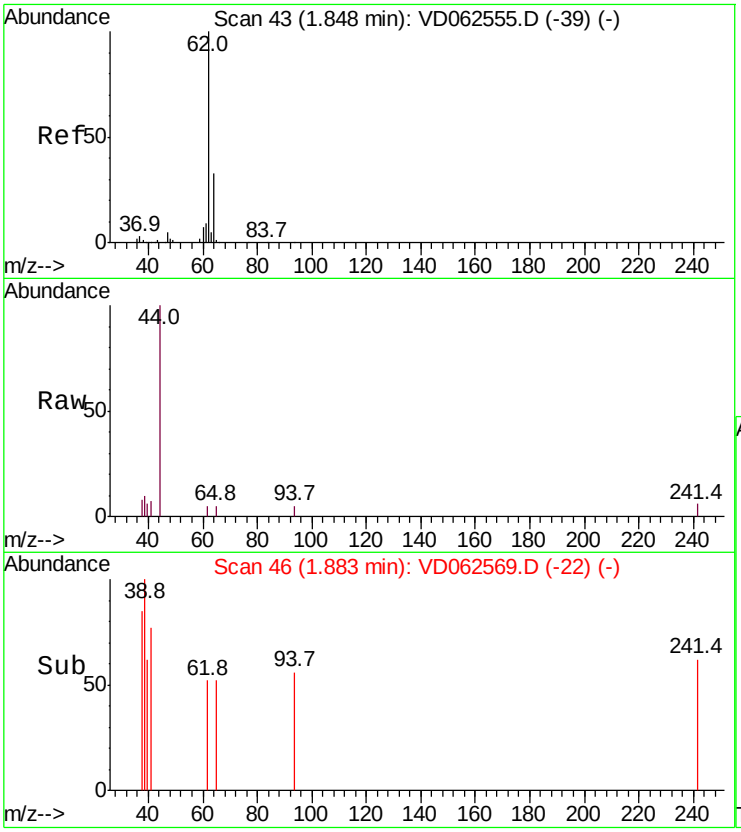


#3
Chloromethane
Concen: 14.539 ug/l
RT: 1.76 min Scan# 34
Delta R.T. 0.03 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 50 Resp: 1994

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.4	38.2#



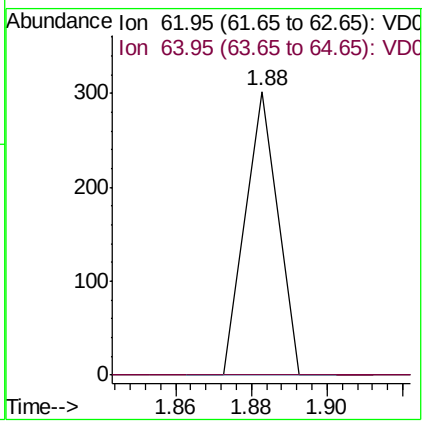


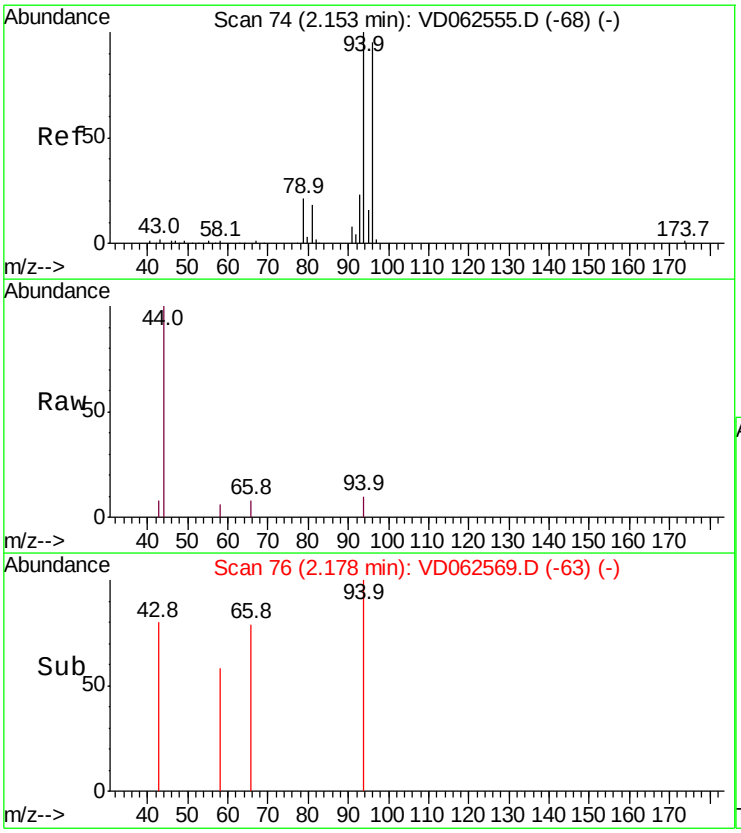
#4
Vinyl Chloride
Concen: 1.943 ug/l
RT: 1.88 min Scan# 46
Delta R.T. 0.03 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion: 62 Resp: 178

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.5	39.7#

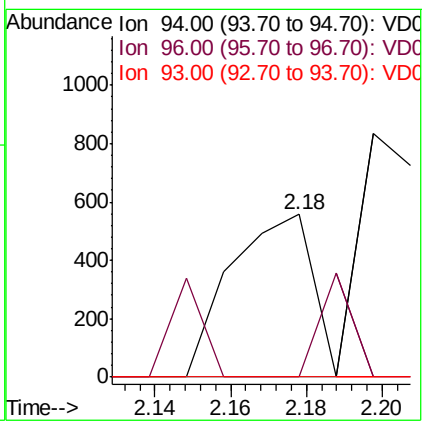


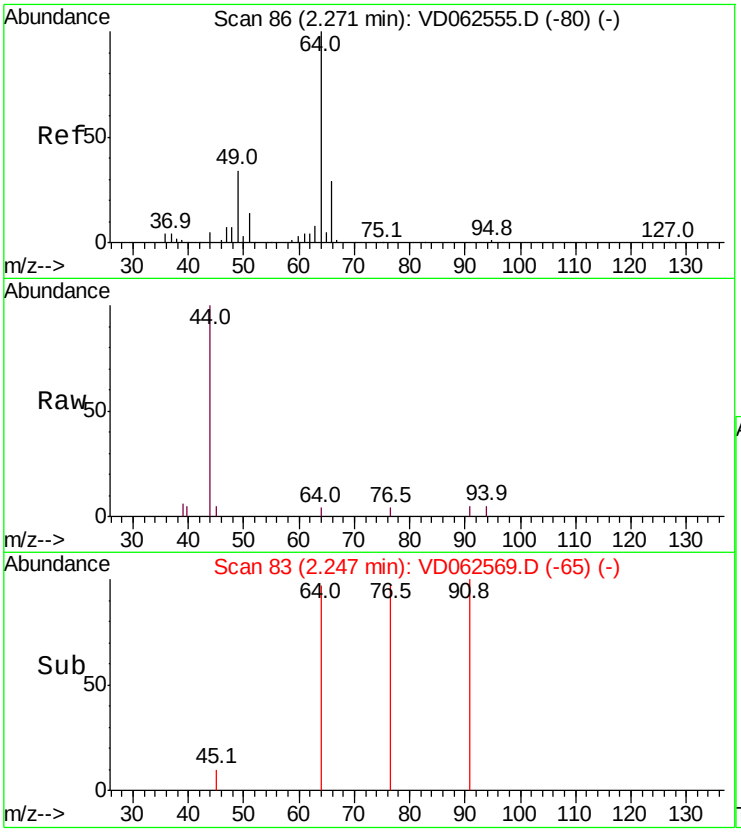


#5
Bromomethane
Concen: 28.066 ug/l
RT: 2.18 min Scan# 76
Delta R.T. 0.02 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 94 Resp: 835

Ion	Ratio	Lower	Upper
94	100		
96	0.0	76.2	114.4#
93	0.0	18.4	27.6#



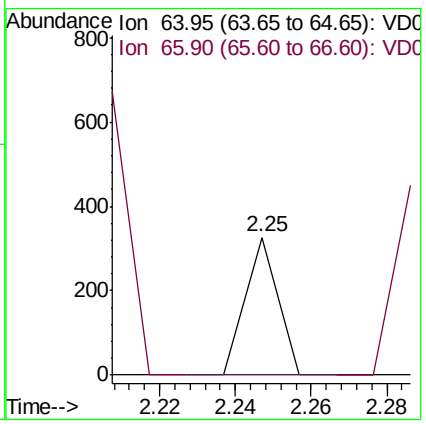


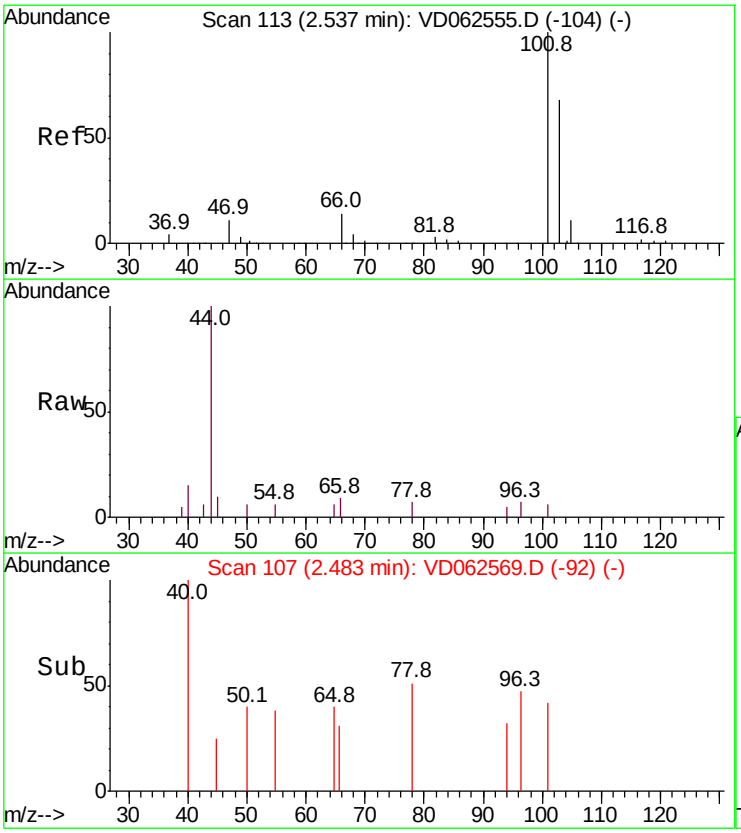
#6
Chloroethane
Concen: 4.492 ug/l
RT: 2.25 min Scan# 83
Delta R.T. -0.02 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion: 64 Resp: 193

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.4	35.2#

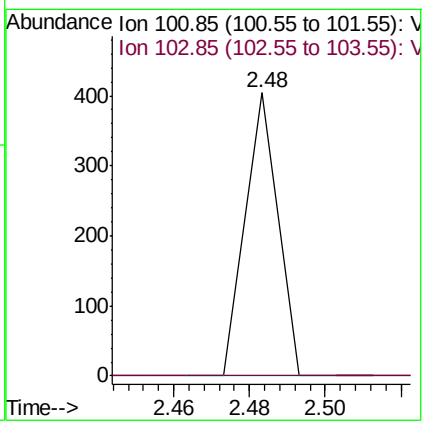


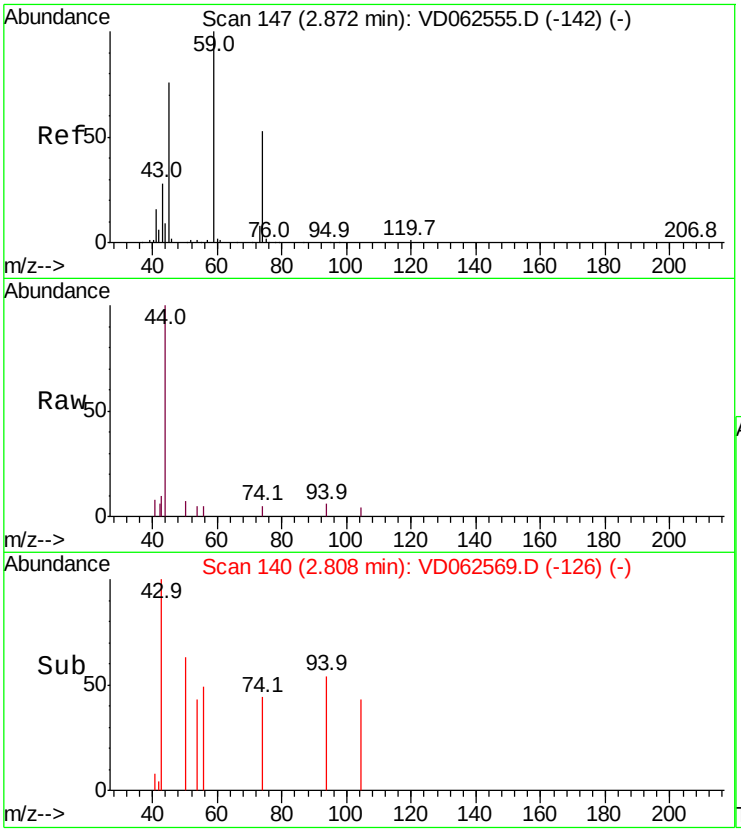


#7
Trichlorofluoromethane
Concen: 1.234 ug/l
RT: 2.48 min Scan# 107
Delta R.T. -0.05 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion:101 Resp: 239

Ion	Ratio	Lower	Upper
101	100		
103	0.0	54.3	81.5#



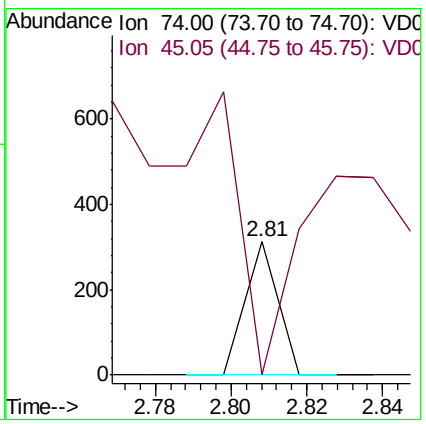


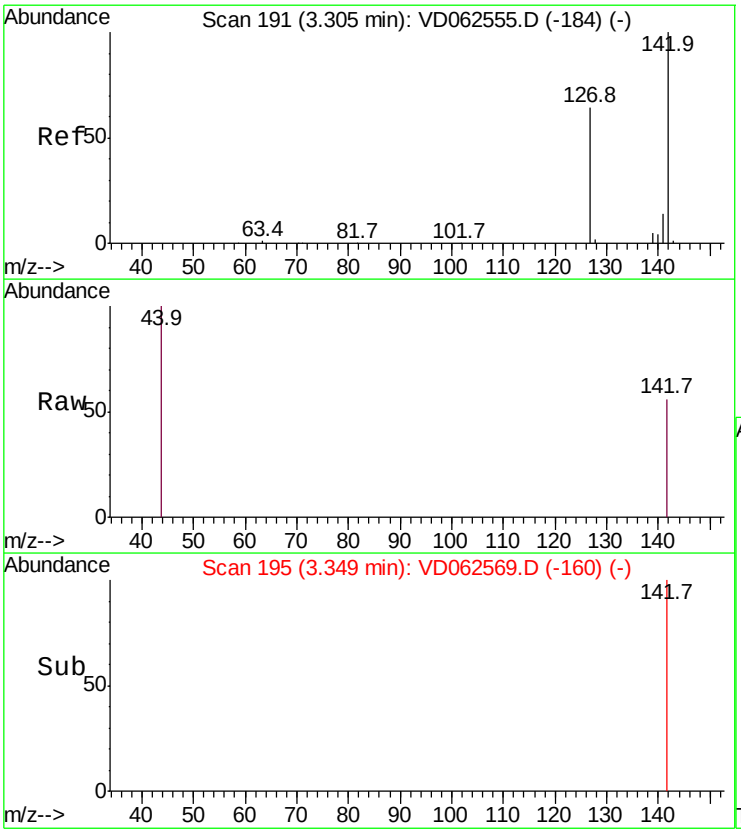
#8
Diethyl Ether
Concen: 7.449 ug/l
RT: 2.81 min Scan# 140
Delta R.T. -0.06 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument : MSVOA_D
ClientSampleId : 20190429-HR-9RE

Tgt Ion: 74 Resp: 185

Ion	Ratio	Lower	Upper
74	100		
45	0.0	71.9	215.7#

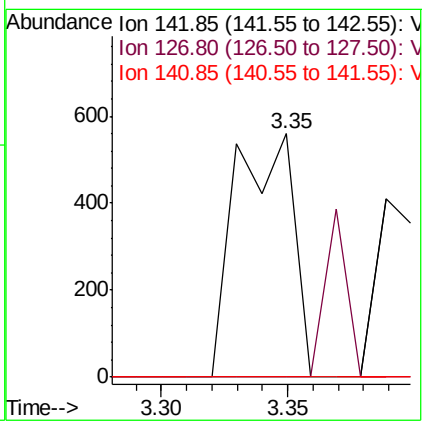


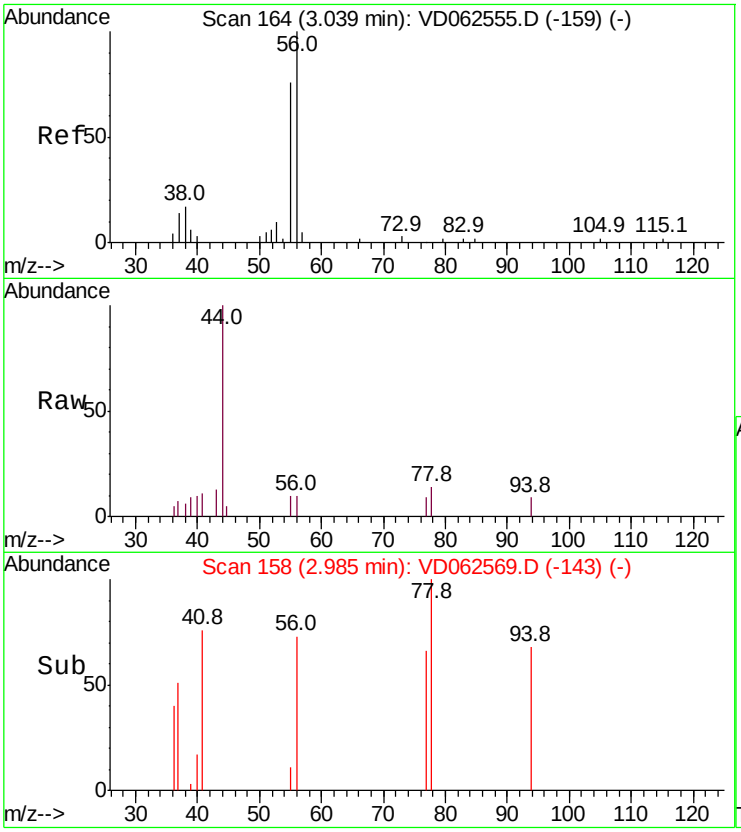


#10
Methyl Iodide
Concen: 6.922 ug/l
RT: 3.35 min Scan# 195
Delta R.T. 0.04 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion:142 Resp: 898

Ion	Ratio	Lower	Upper
142	100		
127	0.0	51.2	76.8#
141	0.0	11.0	16.4#



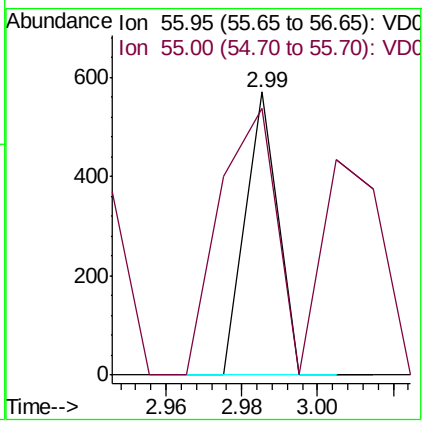


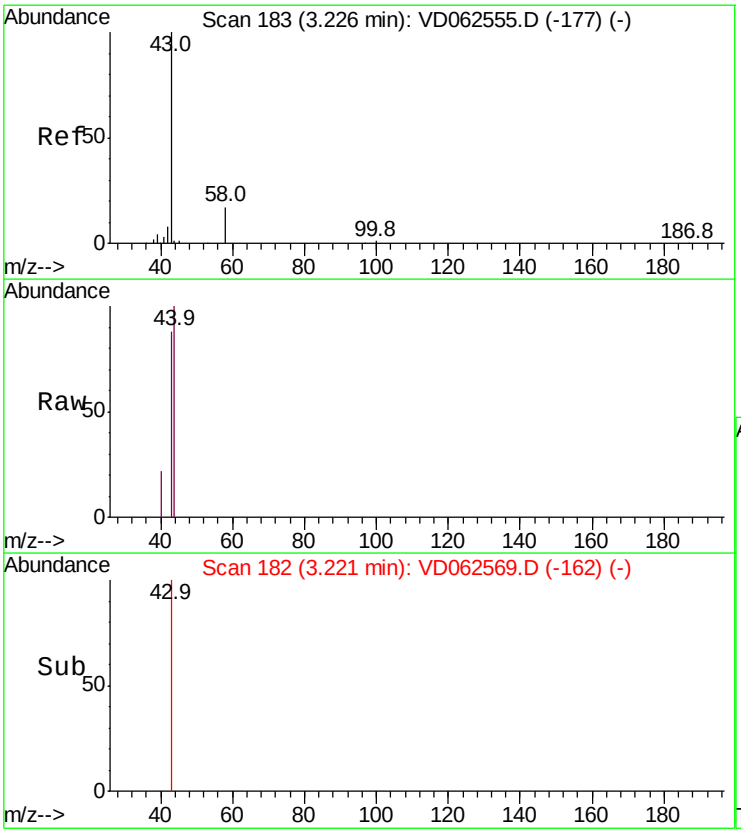
#13
Acrolein
Concen: 149.552 ug/l
RT: 2.99 min Scan# 158
Delta R.T. -0.05 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument : MSVOA_D
ClientSampleId : 20190429-HR-9RE

Tgt Ion: 56 Resp: 337

Ion	Ratio	Lower	Upper
56	100		
55	94.2	62.6	93.8#

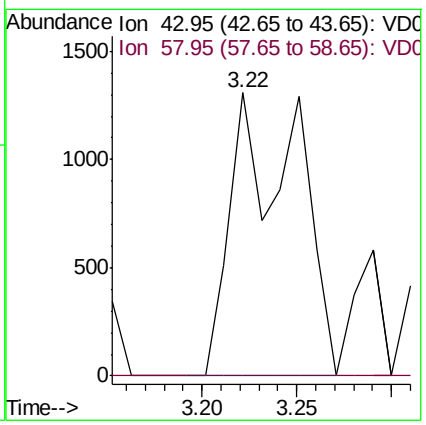


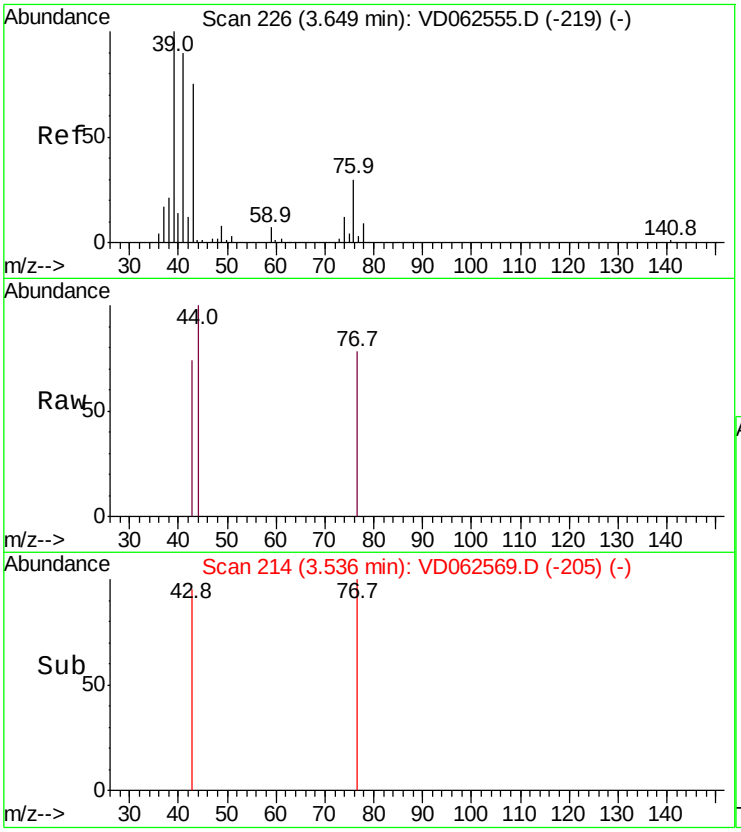


#16
Acetone
Concen: 130.796 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.00 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 43 Resp: 3116

Ion	Ratio	Lower	Upper
43	100		
58	0.0	13.8	20.8#



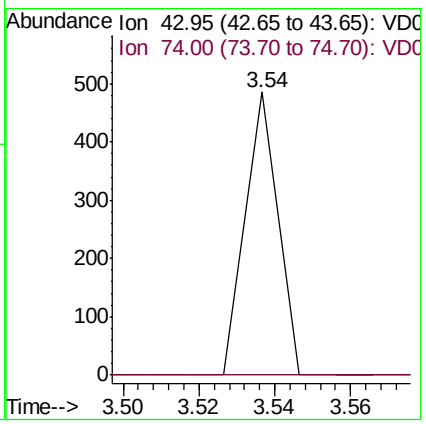


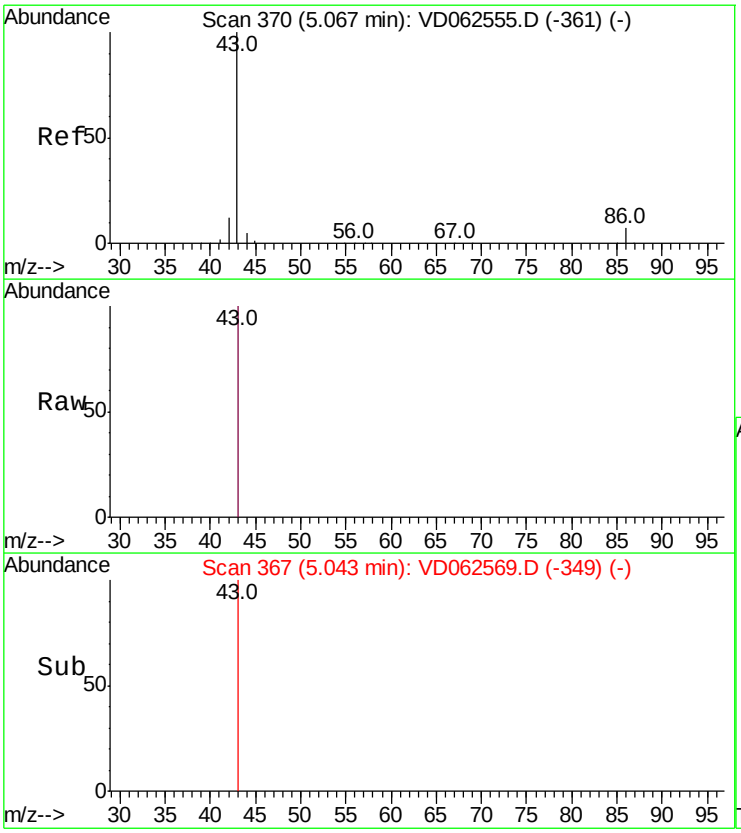
#18
Methyl Acetate
Concen: 7.381 ug/l
RT: 3.54 min Scan# 214
Delta R.T. -0.11 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument : MSVOA_D
ClientSampleId : 20190429-HR-9RE

Tgt Ion: 43 Resp: 287

Ion	Ratio	Lower	Upper
43	100		
74	0.0	12.5	18.7#

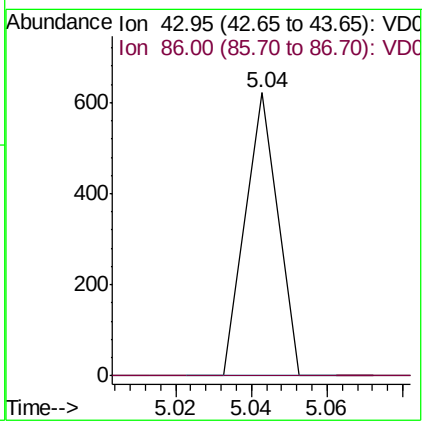


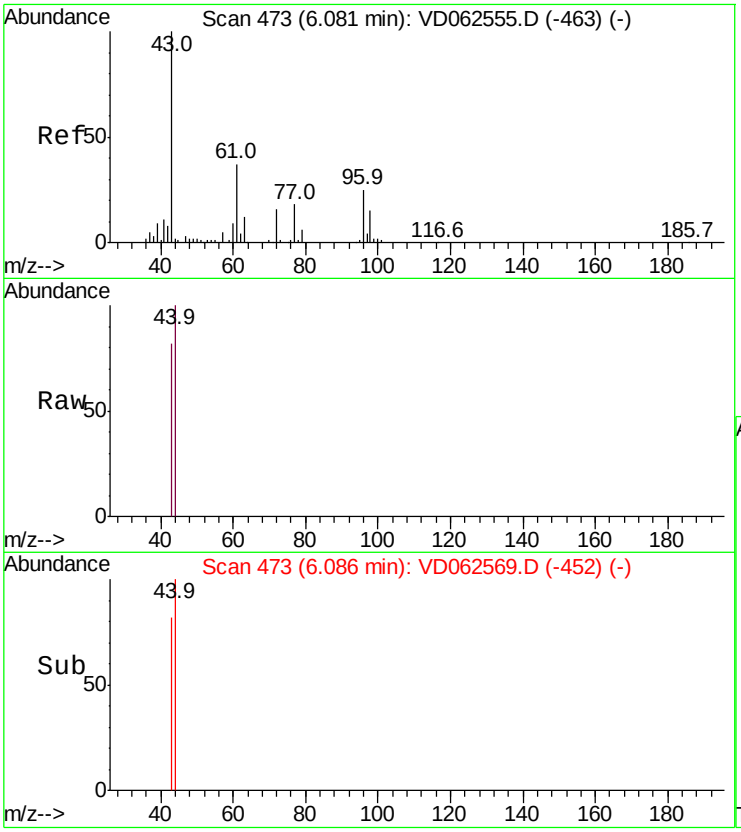


#23
Vinyl Acetate
Concen: 2.345 ug/l
RT: 5.04 min Scan# 367
Delta R.T. -0.02 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 43 Resp: 367

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#



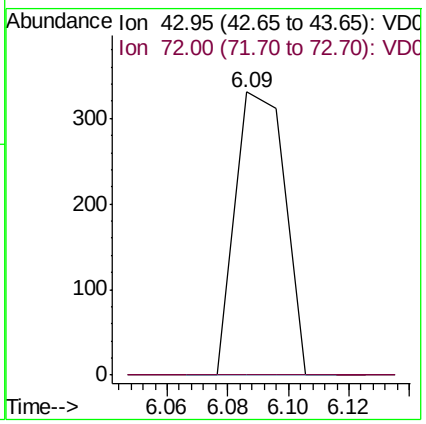


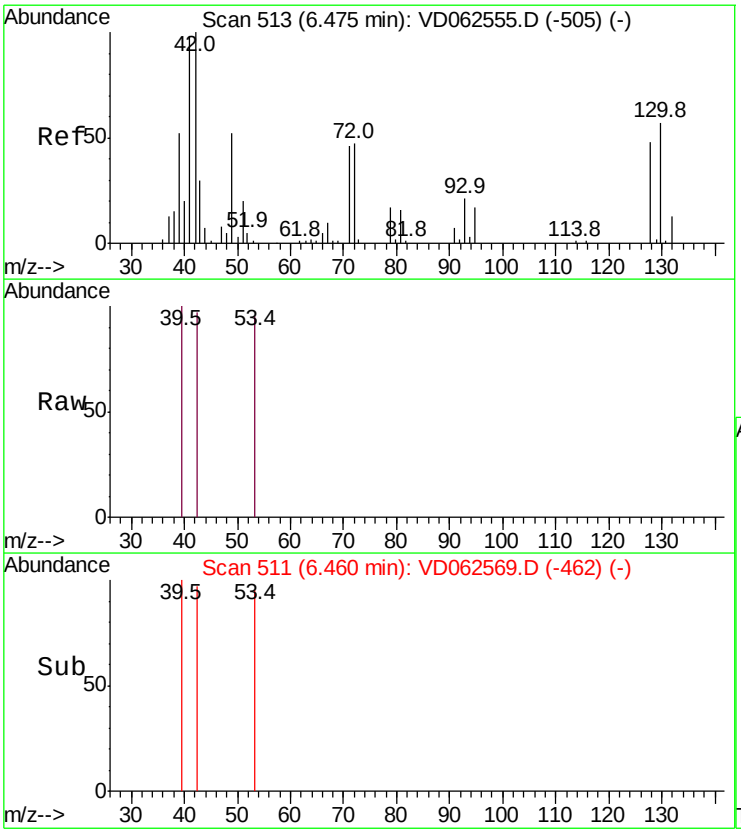
#25
2-Butanone
Concen: 16.936 ug/l
RT: 6.09 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion: 43 Resp: 380

Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.7	19.1#

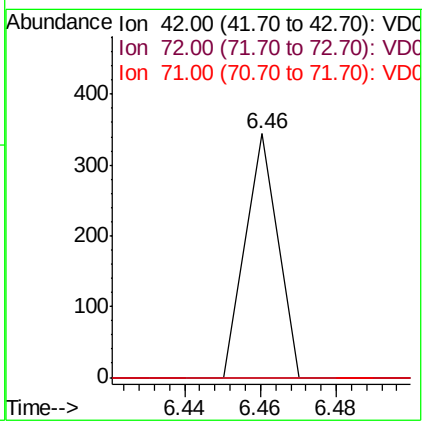


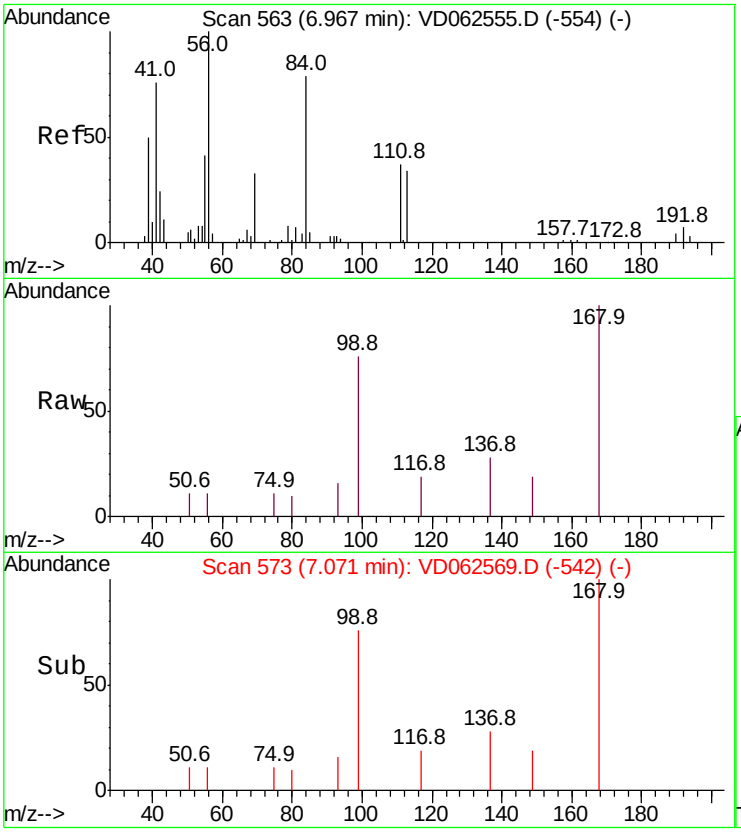


#29
Tetrahydrofuran
Concen: 20.198 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 42 Resp: 203

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.5	51.7#
71	0.0	33.0	49.6#



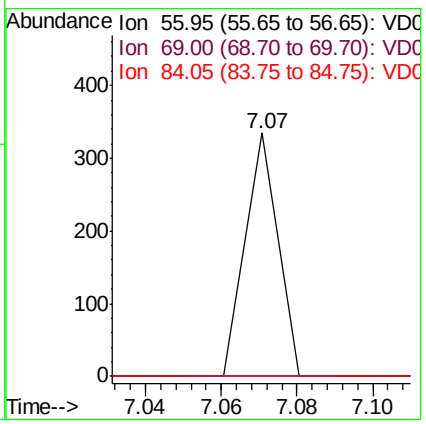


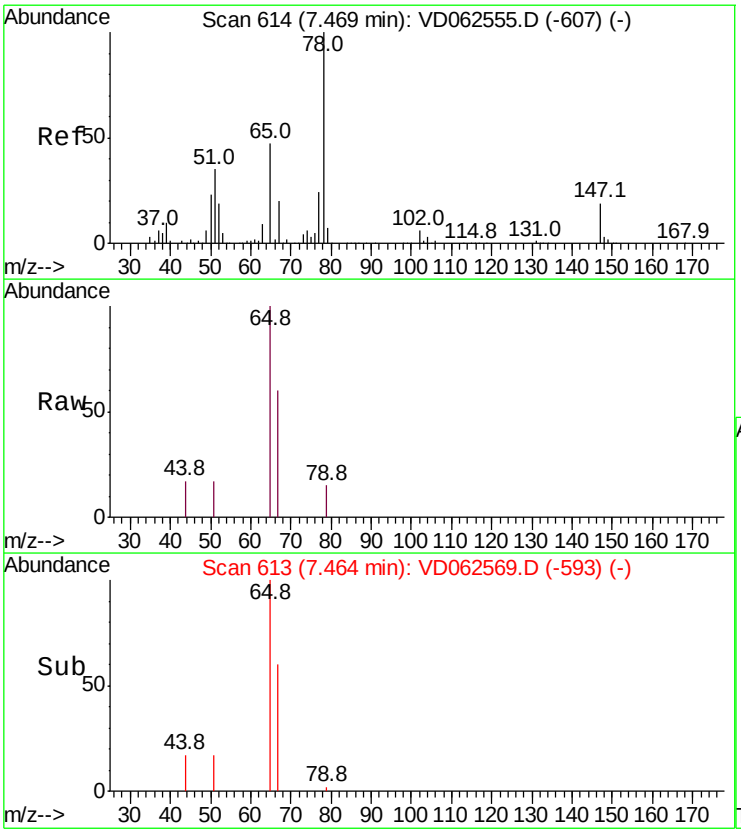
#31
Cyclohexane
Concen: 1.758 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.10 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion: 56 Resp: 198

Ion	Ratio	Lower	Upper
56	100		
69	0.0	26.2	39.2#
84	0.0	65.2	97.8#

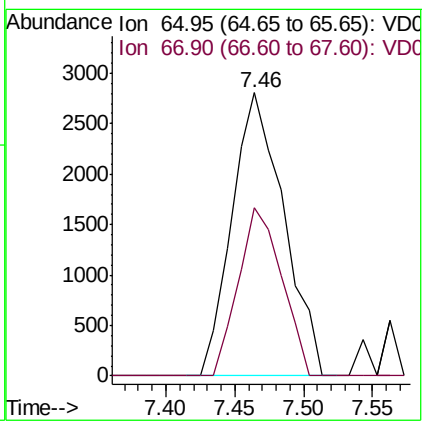


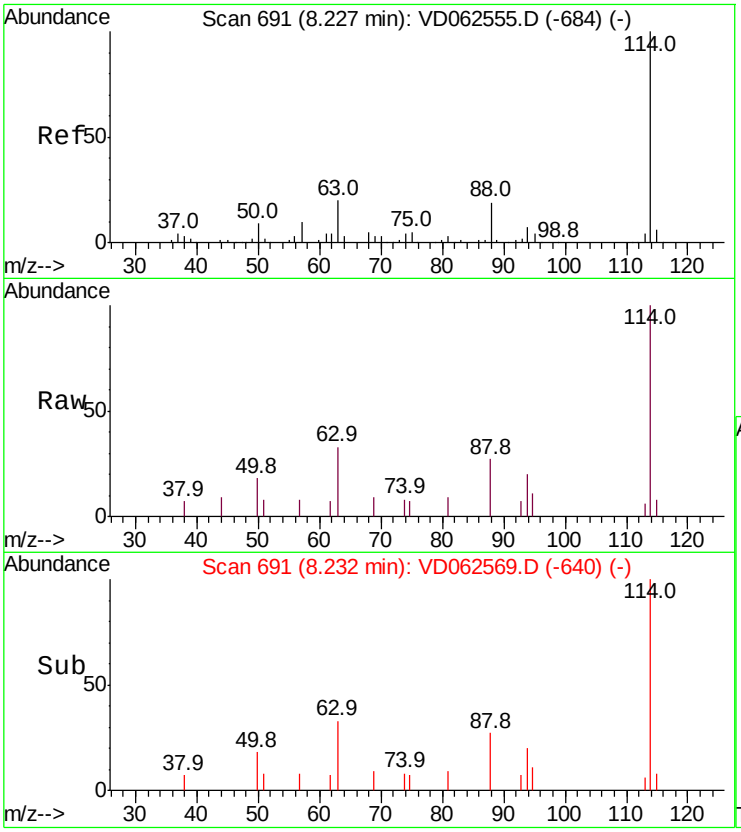


#33
1,2-Dichloroethane-d4
Concen: 60.469 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 65 Resp: 7332

Ion	Ratio	Lower	Upper
65	100		
67	59.5	0.0	83.6



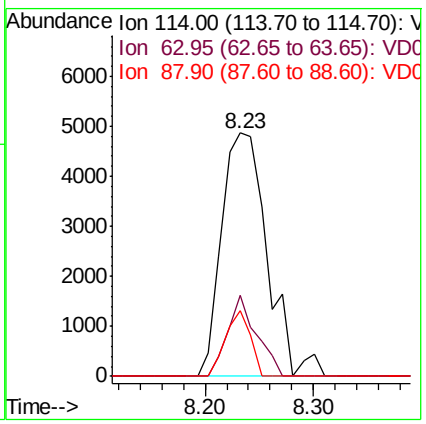


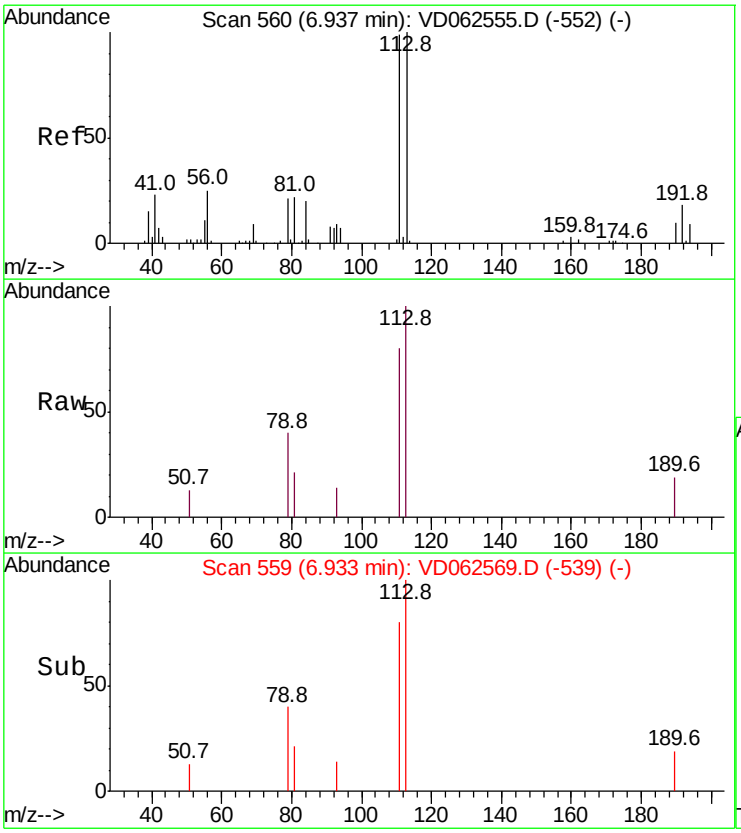
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 691
Delta R.T. 0.01 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion:114 Resp: 14283

Ion	Ratio	Lower	Upper
114	100		
63	33.4	0.0	40.6
88	27.1	0.0	37.6

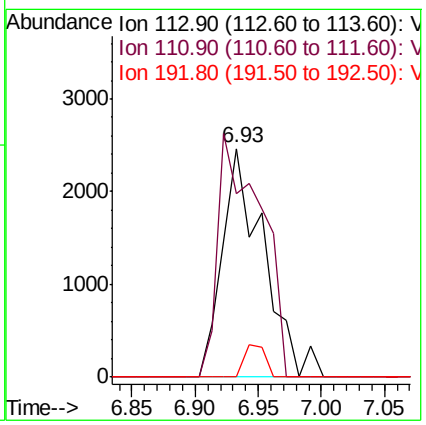


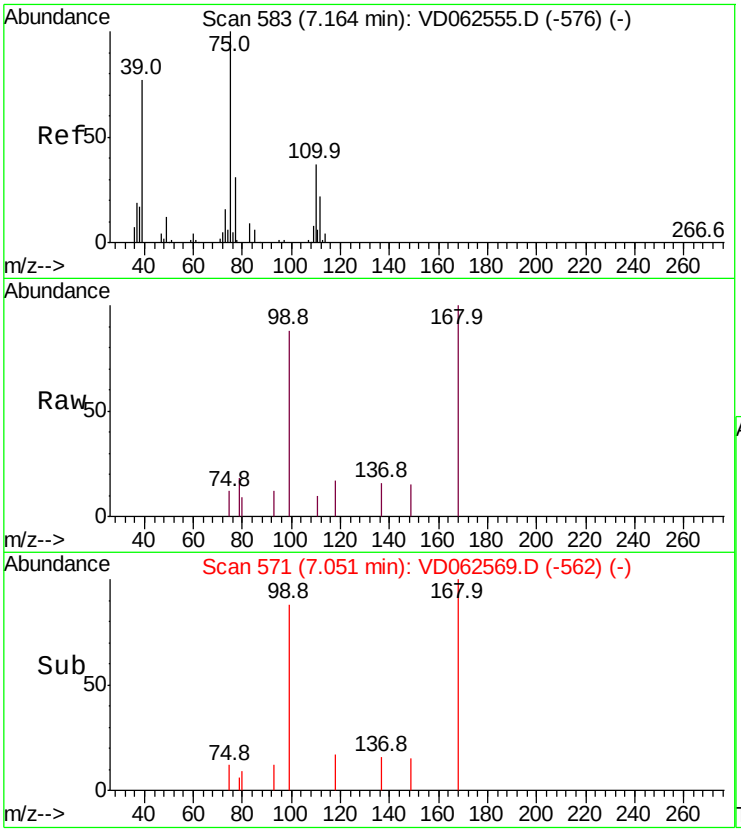


#35
Dibromofluoromethane
Concen: 42.956 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion:113 Resp: 5591

Ion	Ratio	Lower	Upper
113	100		
111	80.1	78.8	118.2
192	0.0	14.6	22.0#



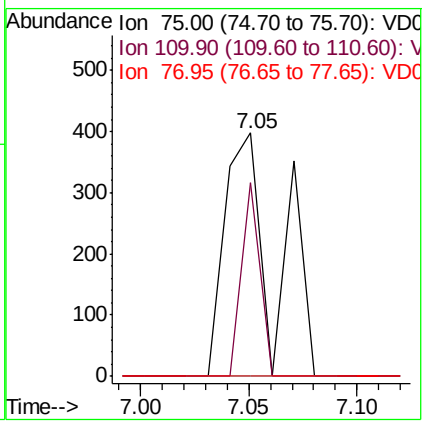


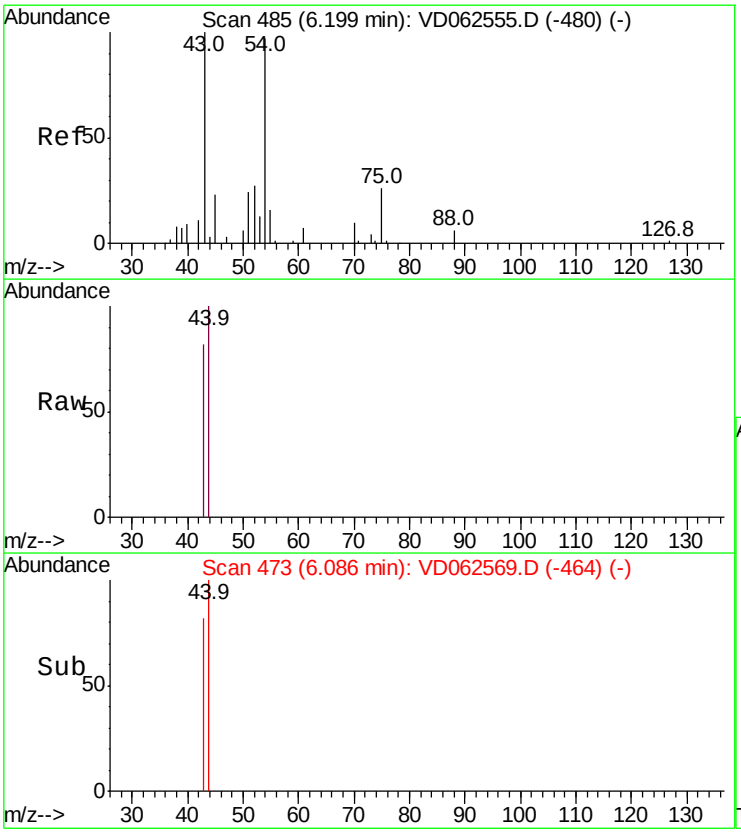
#36
1,1-Dichloropropene
Concen: 4.550 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.11 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion: 75 Resp: 647

Ion	Ratio	Lower	Upper
75	100		
110	79.4	18.3	54.8#
77	0.0	24.4	36.6#

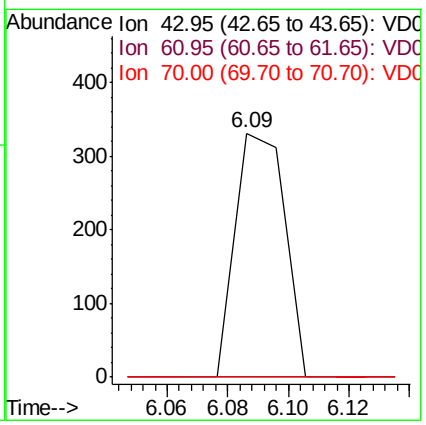


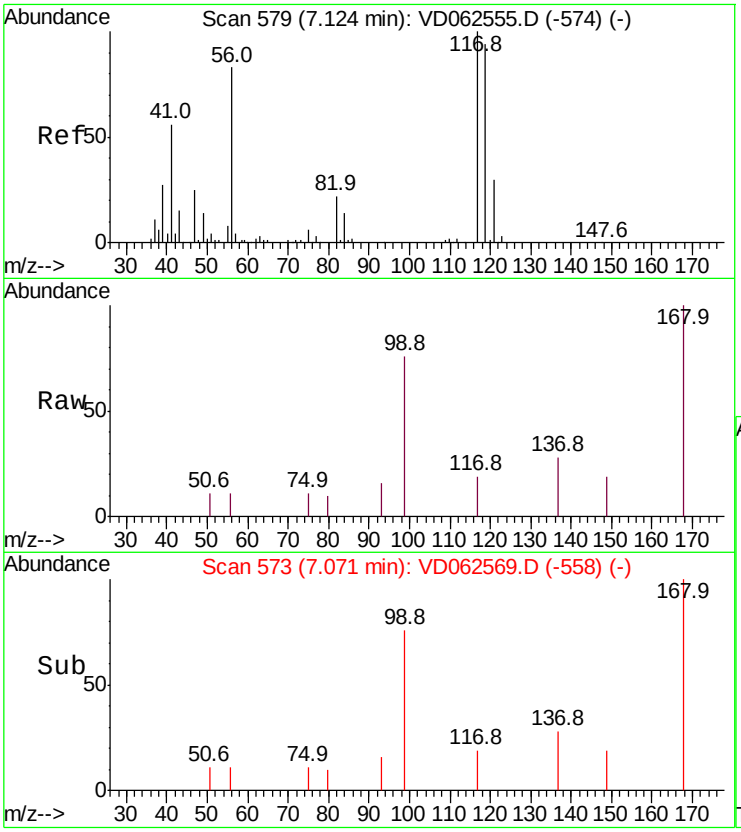


#37
Ethyl Acetate
Concen: 6.339 ug/l
RT: 6.09 min Scan# 473
Delta R.T. -0.11 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 43 Resp: 380

Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.8#
70	0.0	6.5	9.7#



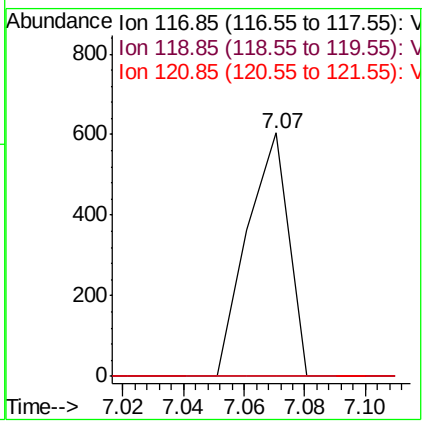


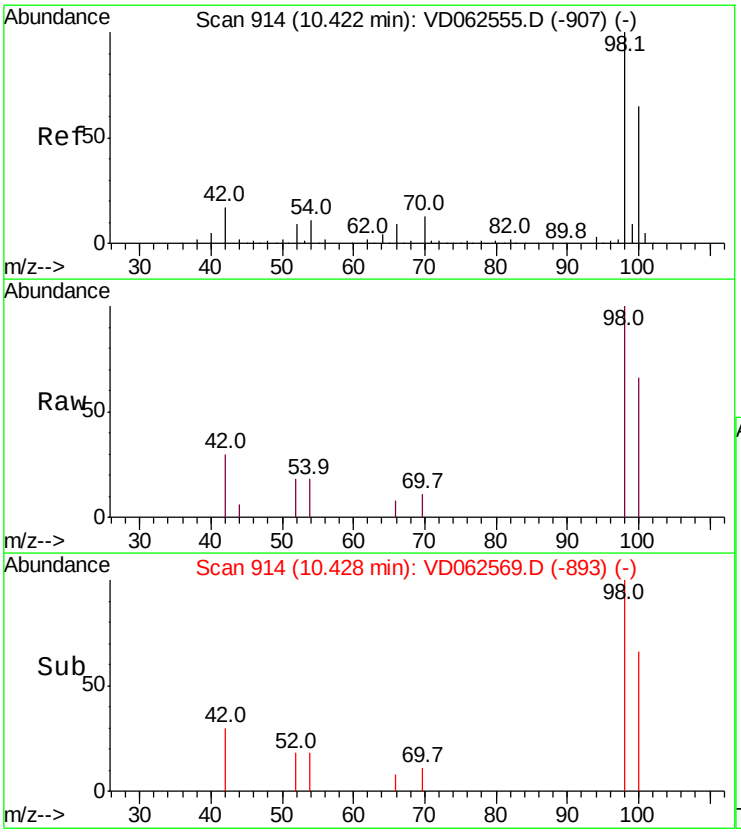
#38
Carbon Tetrachloride
Concen: 2.702 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.05 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion:117 Resp: 572

Ion	Ratio	Lower	Upper
117	100		
119	0.0	71.4	107.2#
121	0.0	22.5	33.7#

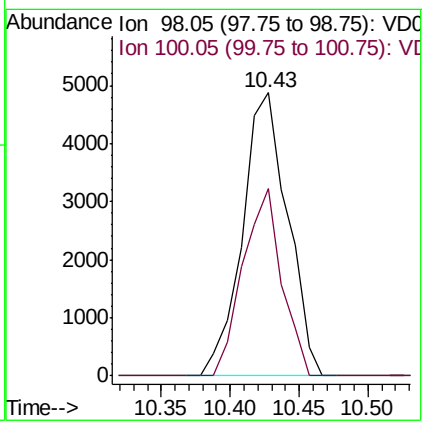


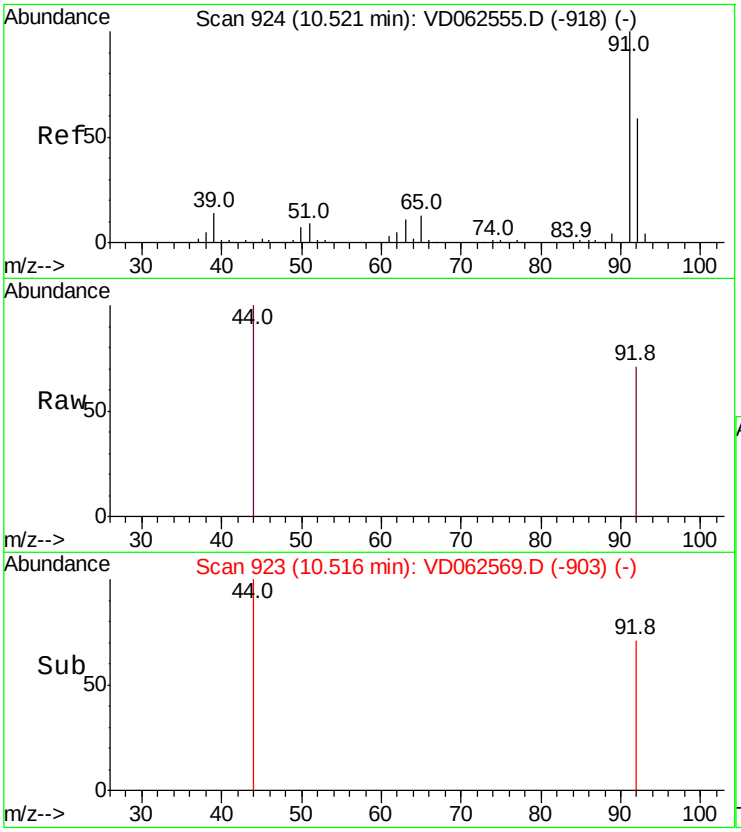


#50
Toluene-d8
Concen: 39.102 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 98 Resp: 11151

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.3	78.5



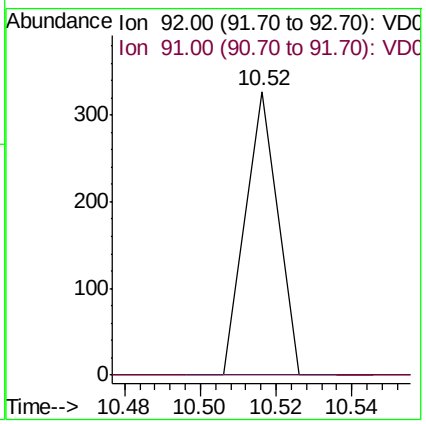


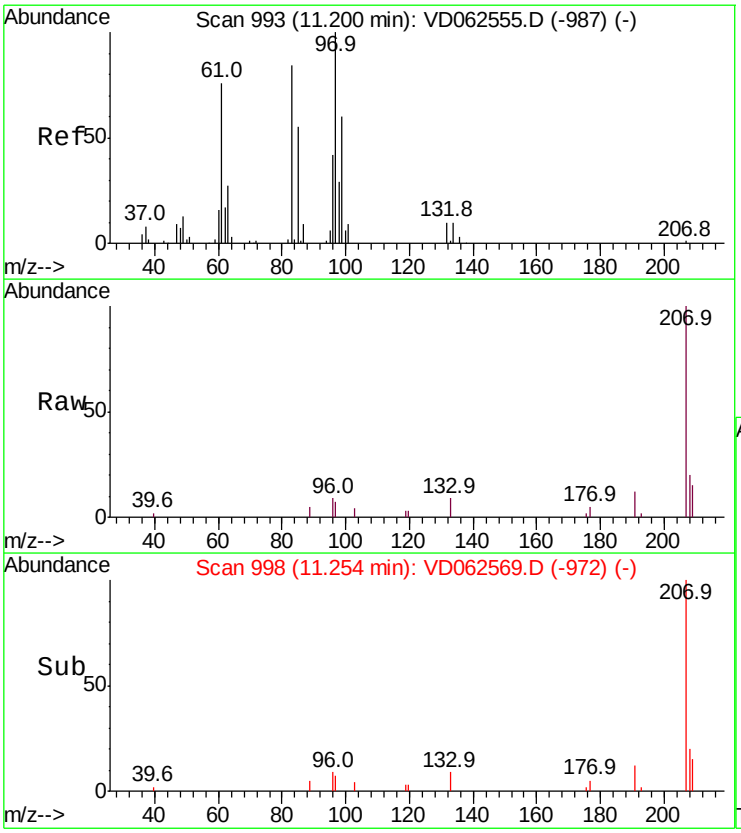
#52
Toluene
Concen: 1.014 ug/l
RT: 10.52 min Scan# 923
Delta R.T. -0.00 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion: 92 Resp: 193

Ion	Ratio	Lower	Upper
92	100		
91	0.0	135.5	203.3#

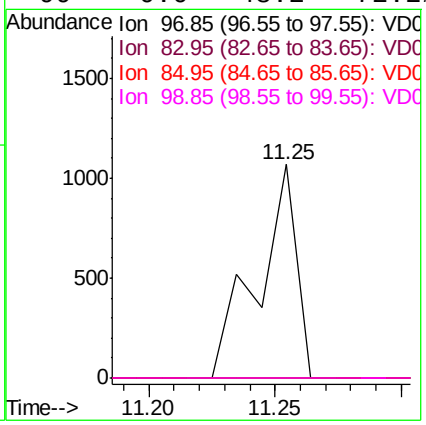


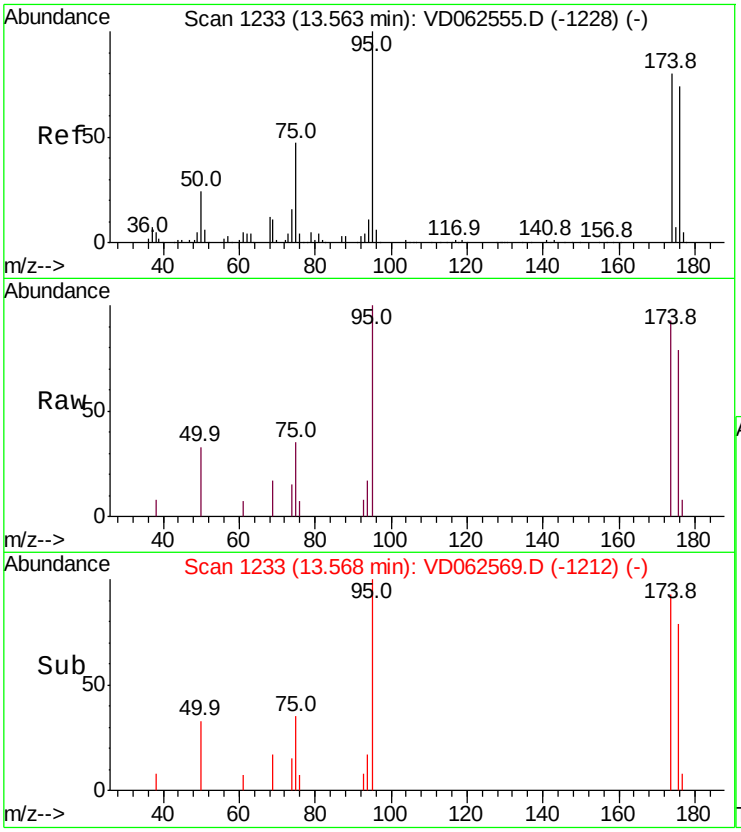


#55
1,1,2-Trichloroethane
Concen: 18.370 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.05 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 97 Resp: 1148

Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.3	100.9#
85	0.0	43.8	65.8#
99	0.0	48.2	72.2#



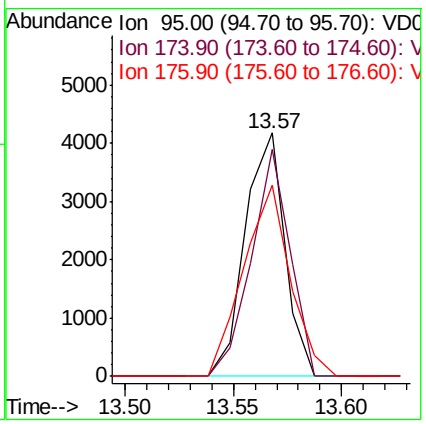


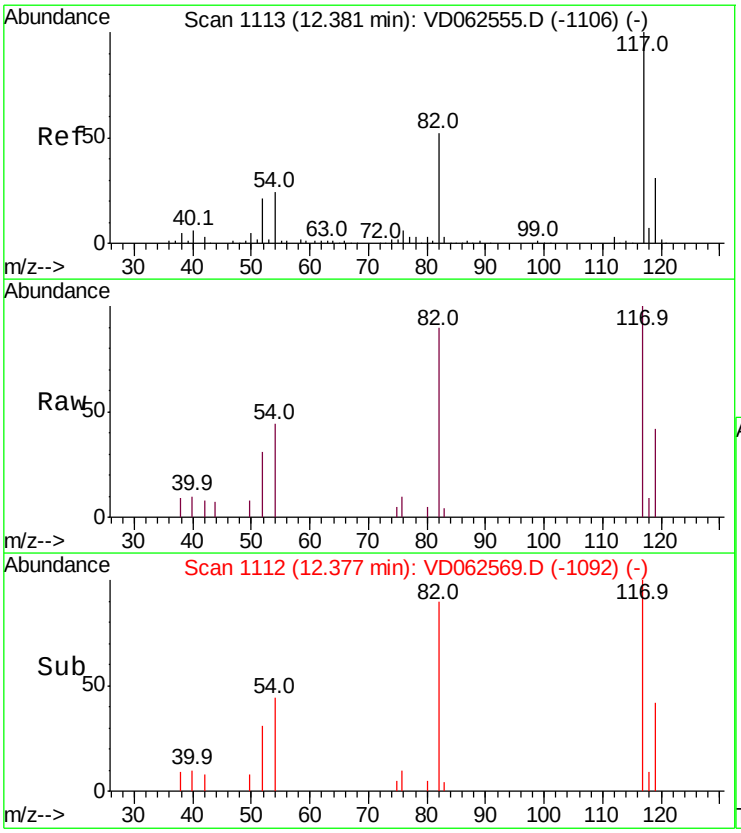
#62
4-Bromofluorobenzene
Concen: 41.709 ug/l
RT: 13.57 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion: 95 Resp: 5364

Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	160.2
176	78.7	0.0	148.0

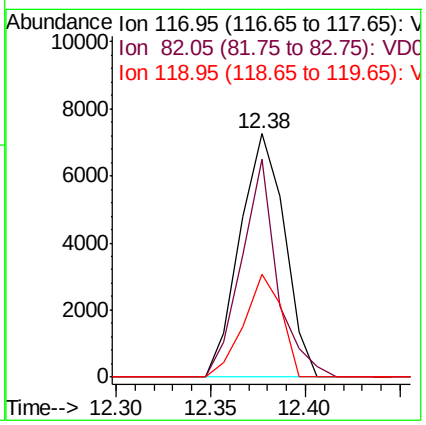


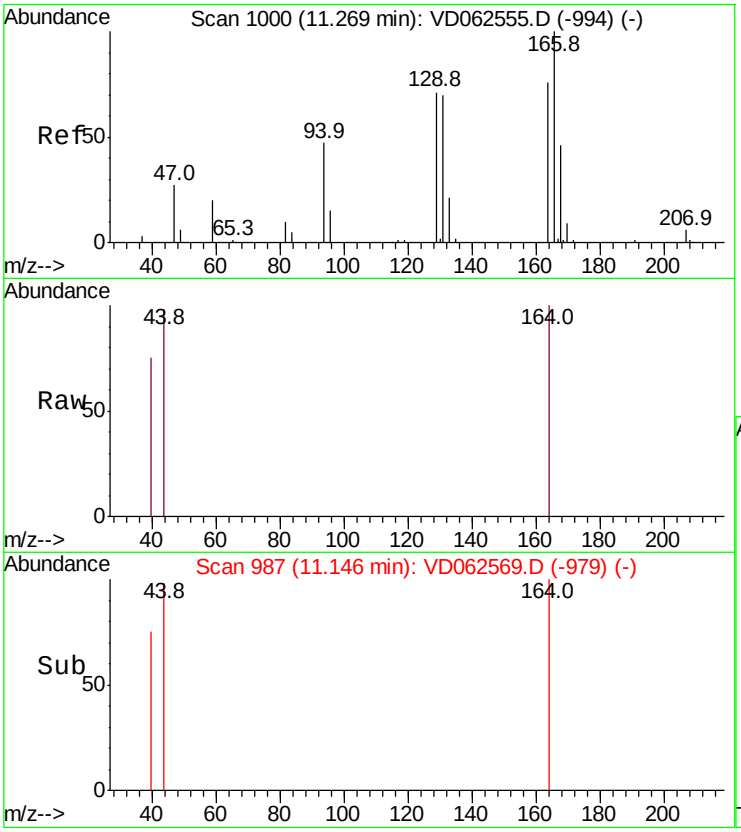


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion:117 Resp: 11892

Ion	Ratio	Lower	Upper
117	100		
82	89.5	41.4	62.2#
119	42.0	24.9	37.3#



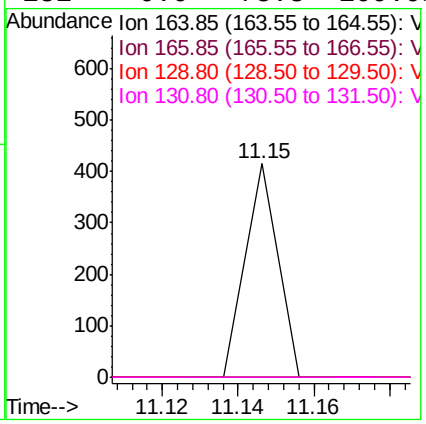


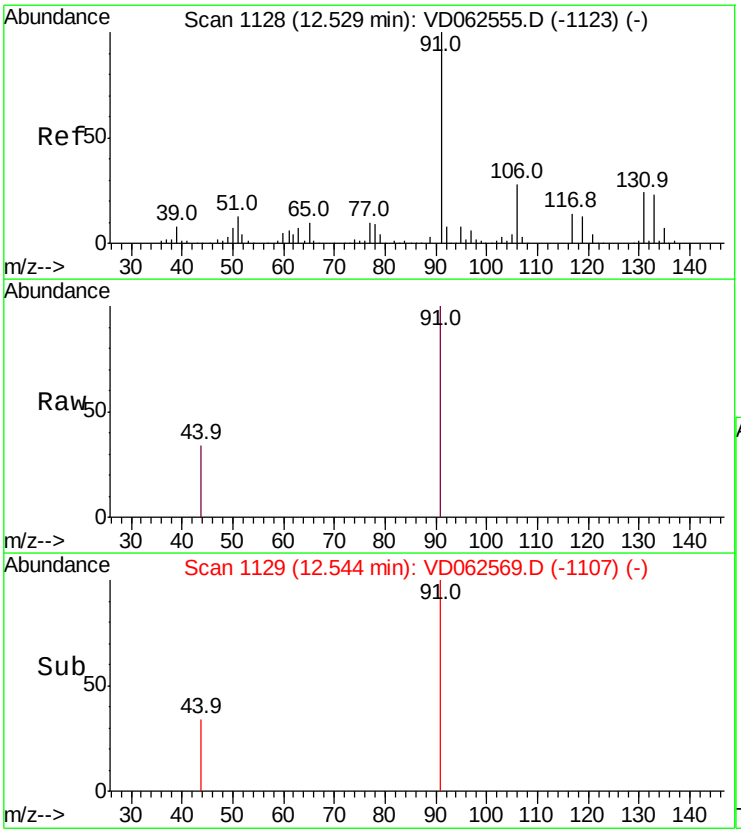
#64
Tetrachloroethene
Concen: 2.331 ug/l
RT: 11.15 min Scan# 987
Delta R.T. -0.12 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion:164 Resp: 245

Ion	Ratio	Lower	Upper
164	100		
166	0.0	105.3	157.9#
129	0.0	75.3	112.9#
131	0.0	73.3	109.9#

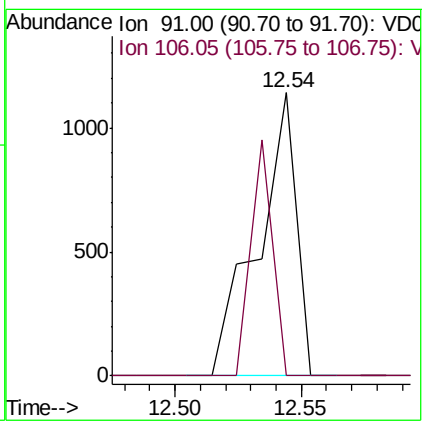


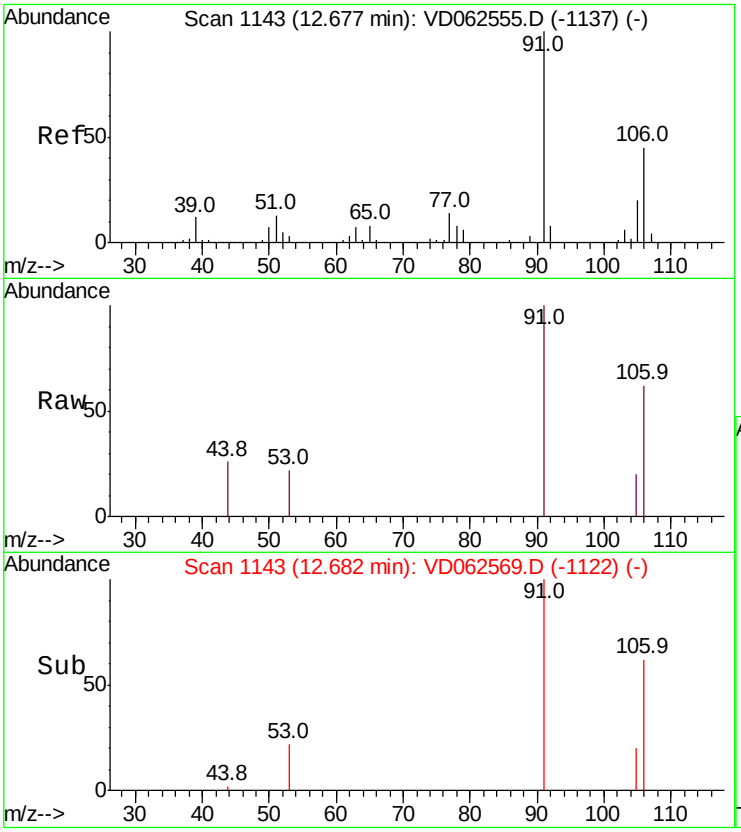


#67
Ethyl Benzene
Concen: 2.870 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 91 Resp: 1218

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.2	33.2#



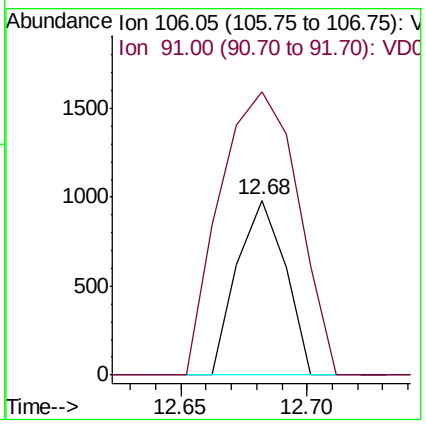


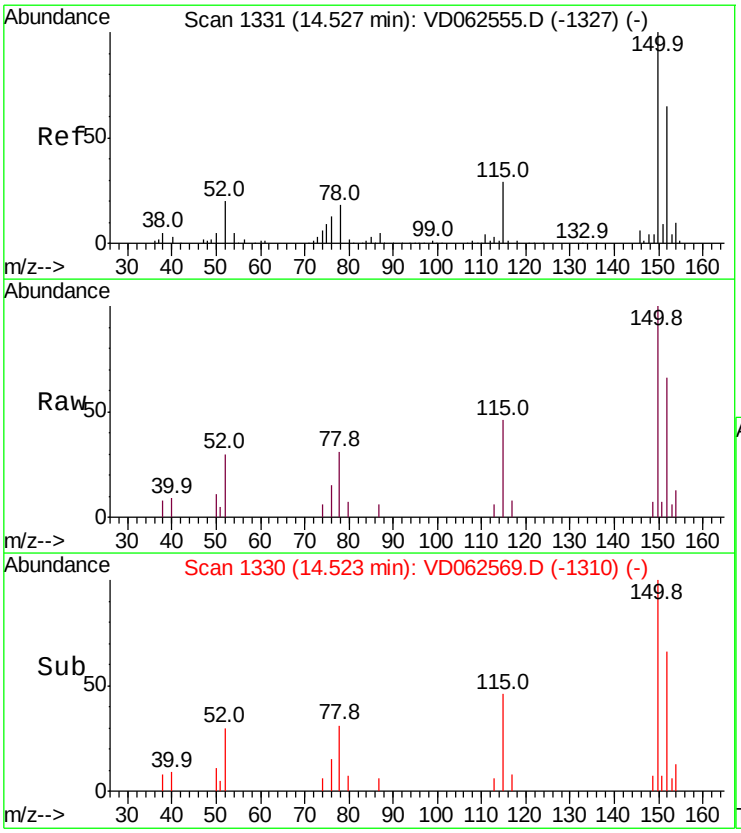
#68
m/p-Xylenes
Concen: 8.908 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion:106 Resp: 1308

Ion	Ratio	Lower	Upper
106	100		
91	162.1	178.9	268.3#

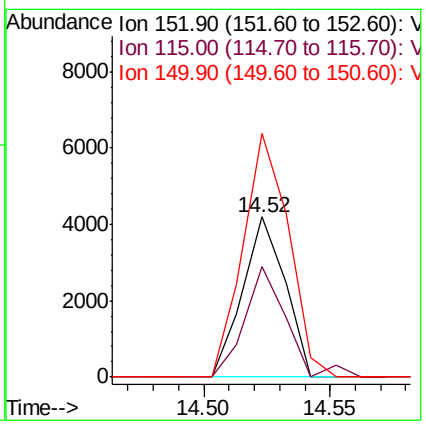


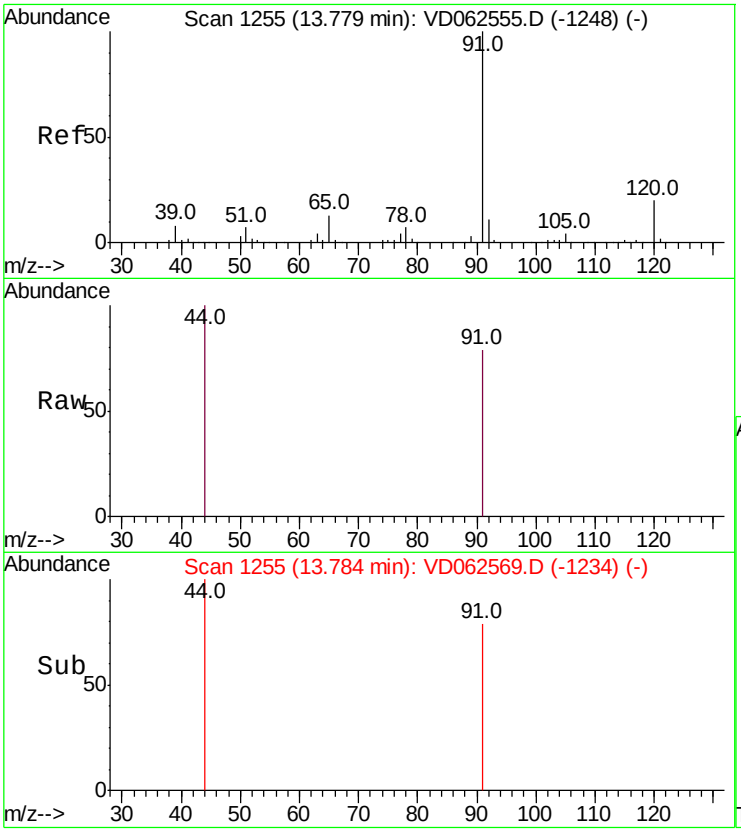


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion:152 Resp: 4899

Ion	Ratio	Lower	Upper
152	100		
115	69.4	28.4	85.3
150	152.2	0.0	310.4



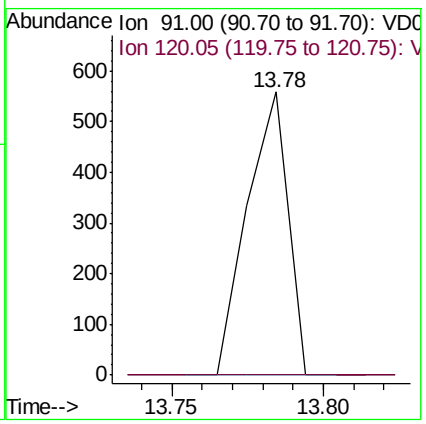


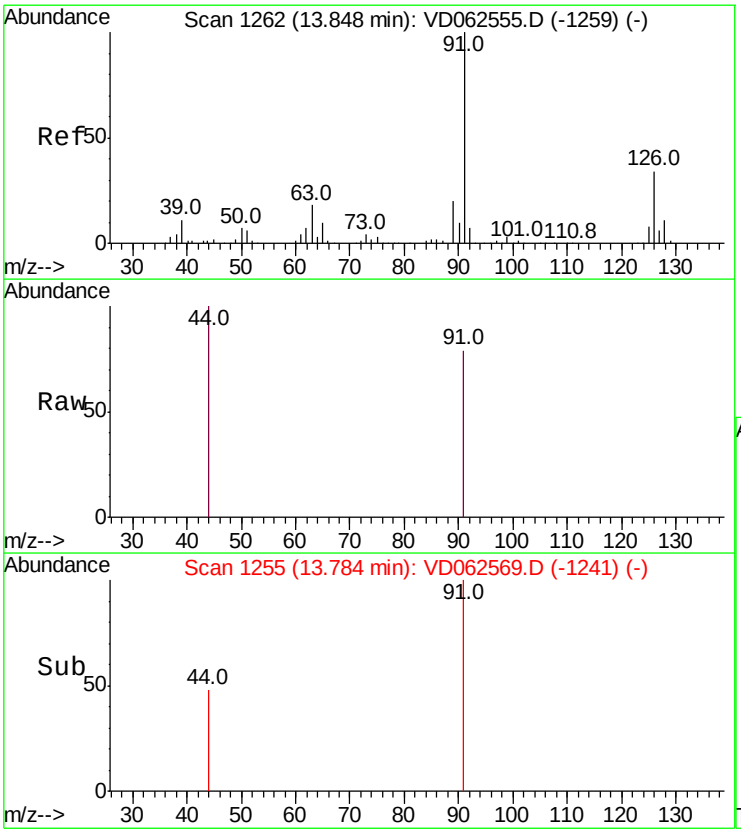
#78
n-propylbenzene
Concen: 1.418 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion: 91 Resp: 528

Ion	Ratio	Lower	Upper
91	100		
120	0.0	10.0	29.8#

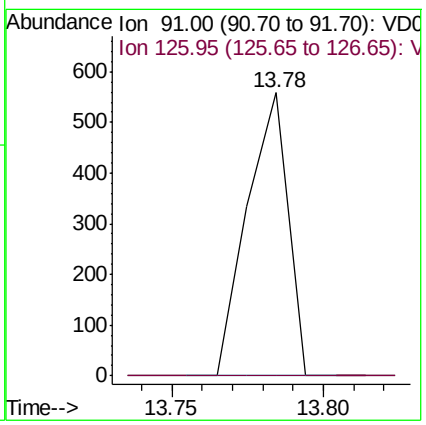


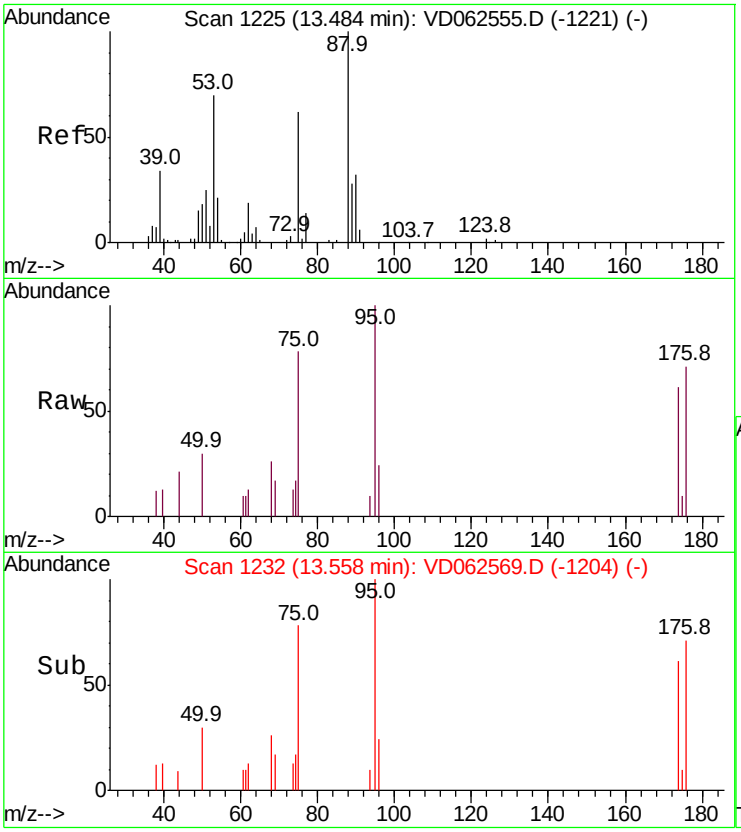


#79
2-Chlorotoluene
Concen: 2.446 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.06 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 91 Resp: 528

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.7	50.1#



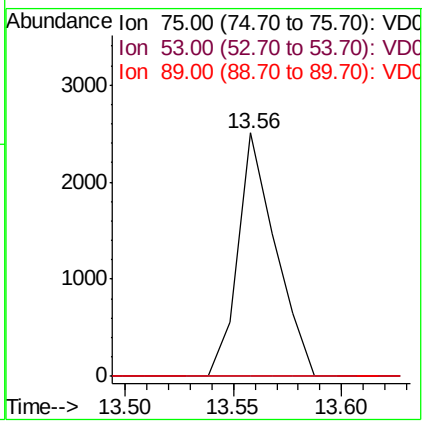


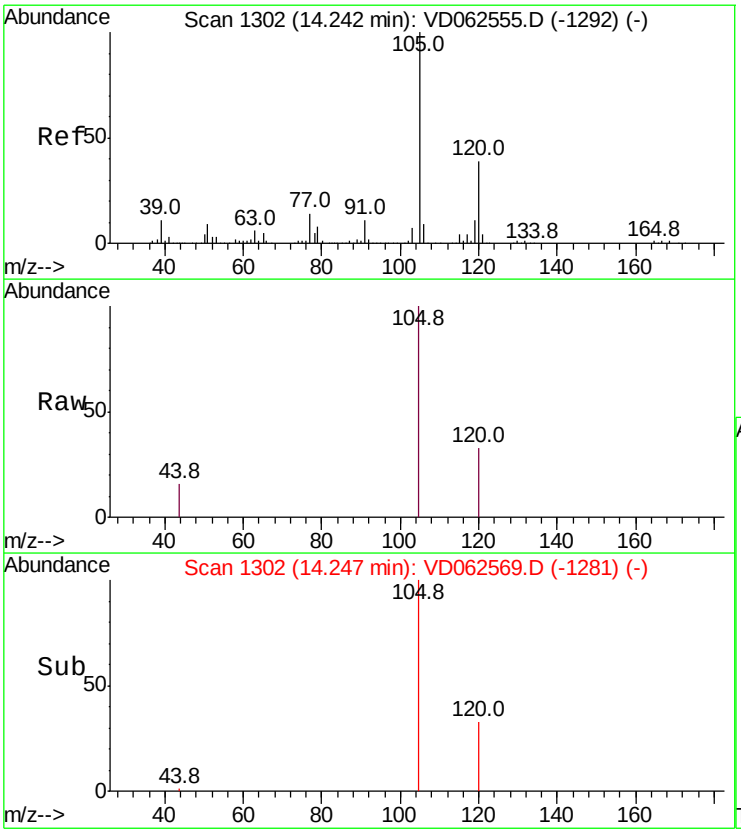
#81
trans-1,4-Dichloro-2-butene
Concen: 181.816 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion: 75 Resp: 3062

Ion	Ratio	Lower	Upper
75	100		
53	0.0	91.0	136.4#
89	0.0	36.9	55.3#

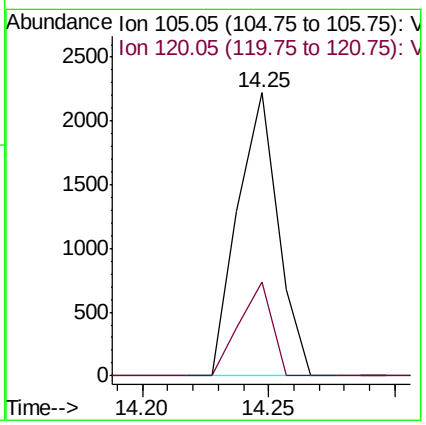


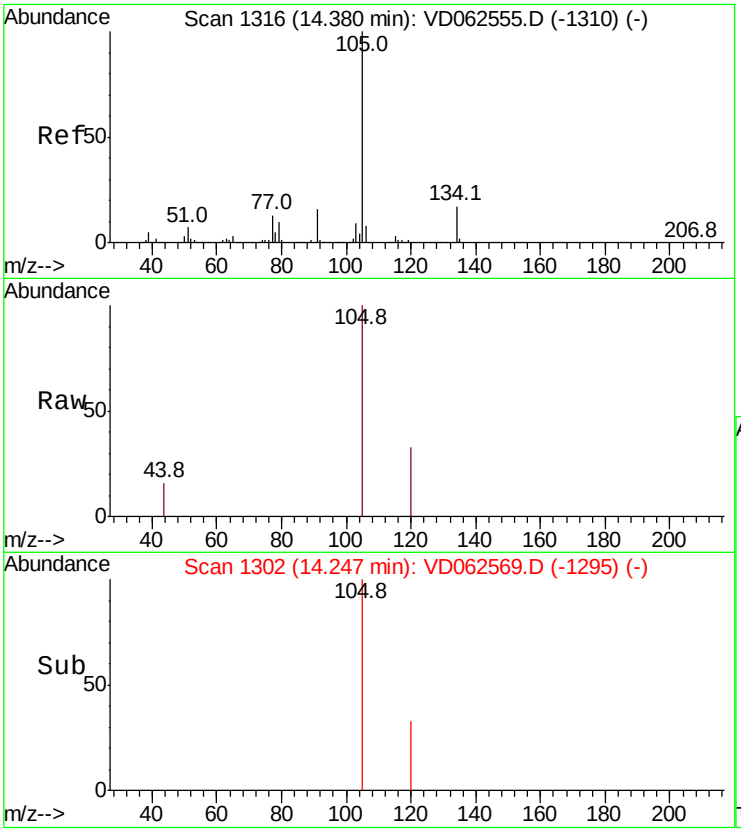


#84
1,2,4-Trimethylbenzene
Concen: 8.808 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion:105 Resp: 2477

Ion	Ratio	Lower	Upper
105	100		
120	33.1	19.6	58.8



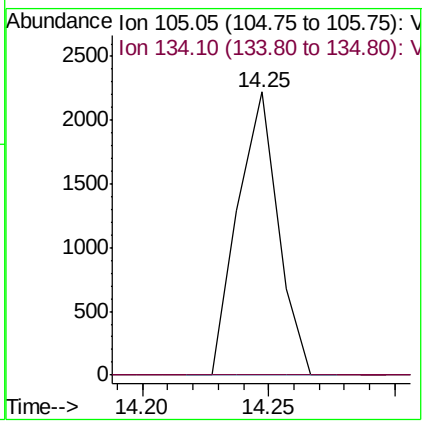


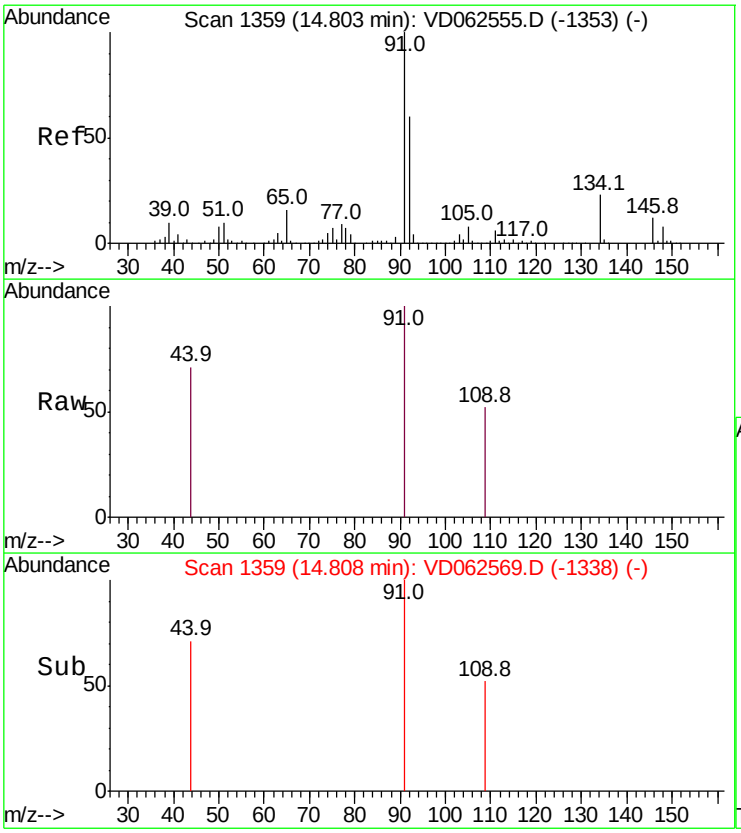
#85
sec-Butylbenzene
Concen: 7.593 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. -0.13 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion:105 Resp: 2477

Ion	Ratio	Lower	Upper
105	100		
134	0.0	8.7	26.1#

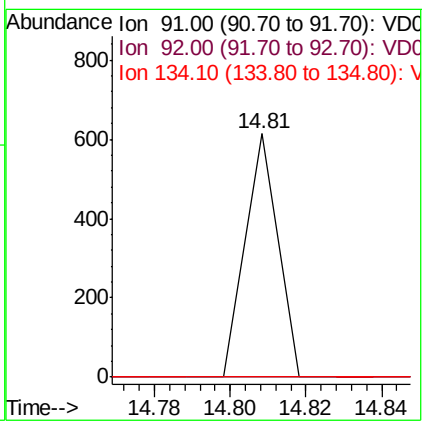


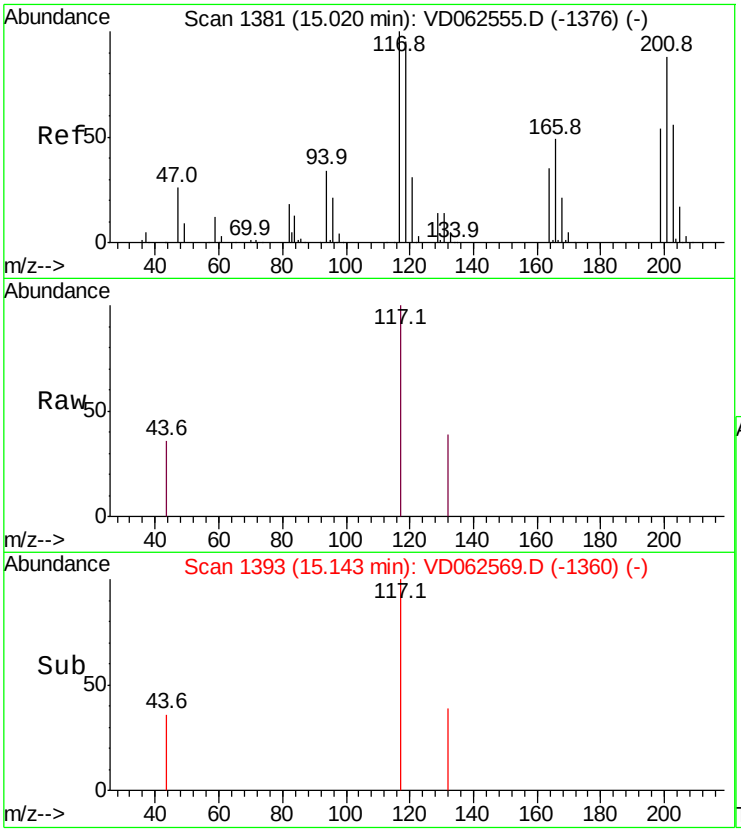


#89
n-Butylbenzene
Concen: 1.334 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion: 91 Resp: 363

Ion	Ratio	Lower	Upper
91	100		
92	0.0	29.8	89.4#
134	0.0	11.3	33.8#



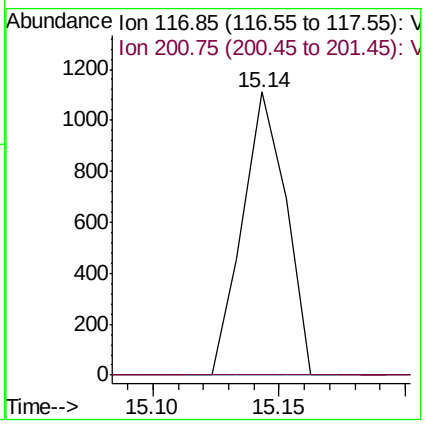


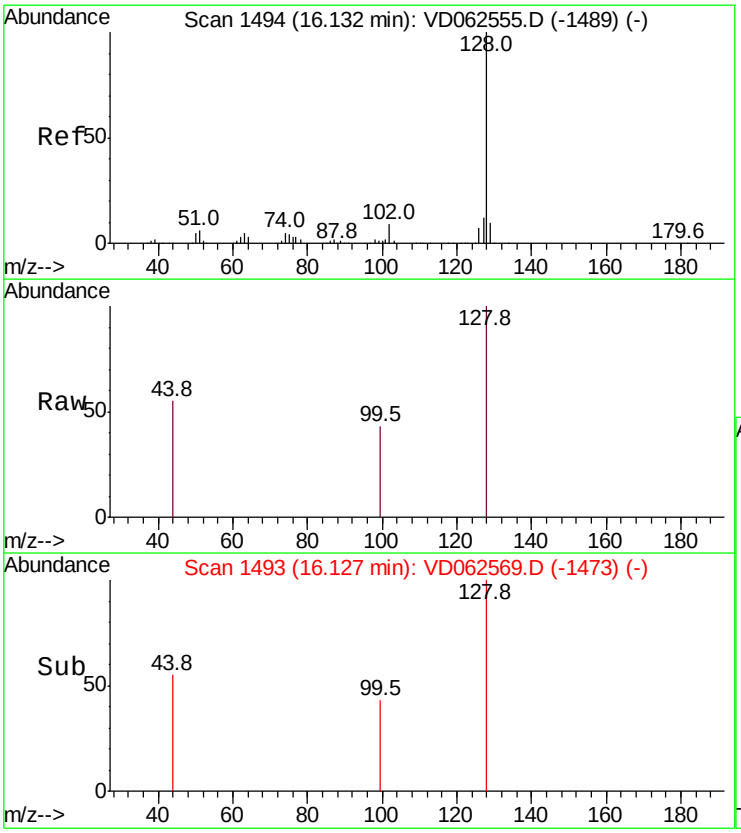
#90
Hexachloroethane
Concen: 16.498 ug/l
RT: 15.14 min Scan# 1393
Delta R.T. 0.12 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
20190429-HR-9RE

Tgt Ion:117 Resp: 1334

Ion	Ratio	Lower	Upper
117	100		
201	0.0	43.8	131.4#





#95
Naphthalene
Concen: 4.551 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062569.D
Acq: 31 May 2019 17:41

Tgt Ion:128 Resp: 640

Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.7	14.5#
129	0.0	8.2	12.2#