Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
Data File : VD063682.D
Acq On : 20 Aug 2019 14:06
Operator : JC/SY
Sample : K4385-15RE
Misc : 5.31g/5ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T8-C-(2)RE

Quant Time: Aug 21 03:50:29 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	7.03	168	739627	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.20	114	1154229	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.36	117	583165	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	116715	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	478427	60.51	ug/l	-0.03
Spiked Amount 50.000			Recovery = 121.02%			
35) Dibromofluoromethane	6.91	113	533197	54.85	ug/l	-0.03
Spiked Amount 50.000			Recovery = 109.70%			
50) Toluene-d8	10.40	98	771896	36.12	ug/l	-0.02
Spiked Amount 50.000			Recovery = 72.24%			
62) 4-Bromofluorobenzene	13.47	95	39748	4.10	ug/l	-0.09
Spiked Amount 50.000			Recovery = 8.20%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.05	59	1102	3.202	ug/l #	71
13) Acrolein	3.05	56	566	1.671	ug/l	97
16) Acetone	3.20	43	154160	95.922	ug/l	97
18) Methyl Acetate	3.62	43	6602	2.169	ug/l	94
20) Methylene Chloride	3.79	84	38500	5.540	ug/l #	89
25) 2-Butanone	6.05	43	22710	14.308	ug/l	95
29) Tetrahydrofuran	6.45	42	6109	8.260	ug/l	94
31) Cyclohexane	7.01	56	17413	2.439	ug/l #	34
36) 1,1-Dichloropropene	7.02	75	55334	5.423	ug/l #	48
37) Ethyl Acetate	6.05	43	22480	5.258	ug/l #	73
38) Carbon Tetrachloride	7.03	117	68717	4.468	ug/l #	17
41) Methacrylonitrile	6.45	41	7103	1.319	ug/l #	78
49) 1,4-Dioxane	8.82	88	328	33.964	ug/l #	34
55) 1,1,2-Trichloroethane	11.09	97	7421	1.519	ug/l #	21
59) 2-Hexanone	11.48	43	29173	10.232	ug/l #	42
68) m/p-Xylenes	12.67	106	8872	1.329	ug/l	95
73) Isopropylbenzene	13.40	105	12829	1.728	ug/l	87
74) N-amyl acetate	13.33	43	150903	80.975	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	13.70	83	28033	22.750	ug/l #	44
78) n-propylbenzene	13.77	91	9489	1.092	ug/l	78
81) trans-1,4-Dichloro-2-buten	13.55	75	83215	231.138	ug/l #	3
84) 1,2,4-Trimethylbenzene	14.23	105	10771	1.795	ug/l	80
85) sec-Butylbenzene	14.36	105	15341	2.115	ug/l	93
86) p-Isopropyltoluene	14.49	119	11322	1.632	ug/l	90
89) n-Butylbenzene	14.79	91	7413	1.171	ug/l	88
95) Naphthalene	16.12	128	3776	1.087	ug/l #	56

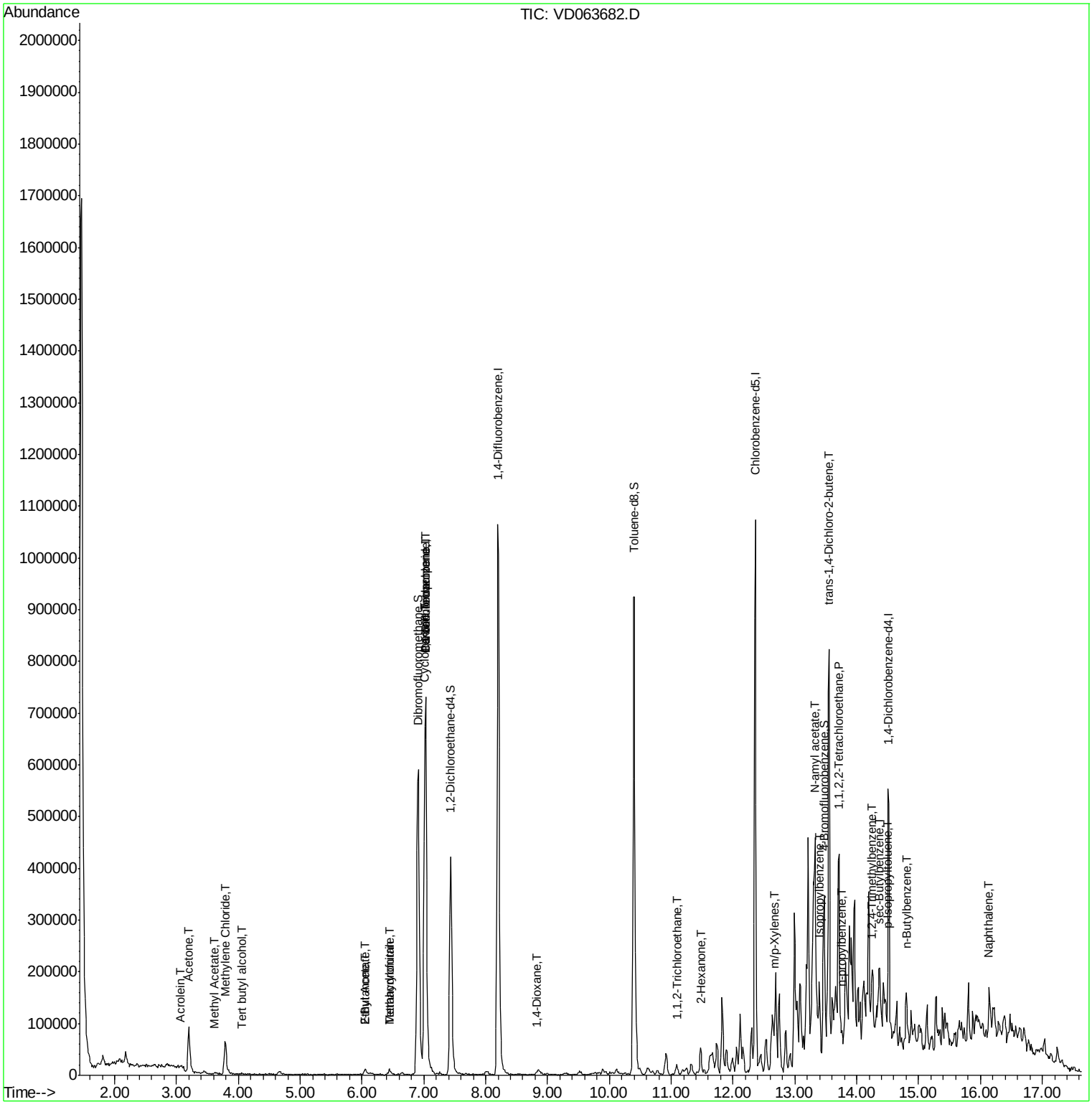
(#) = qualifier out of range (m) = manual integration (+) = signals summed

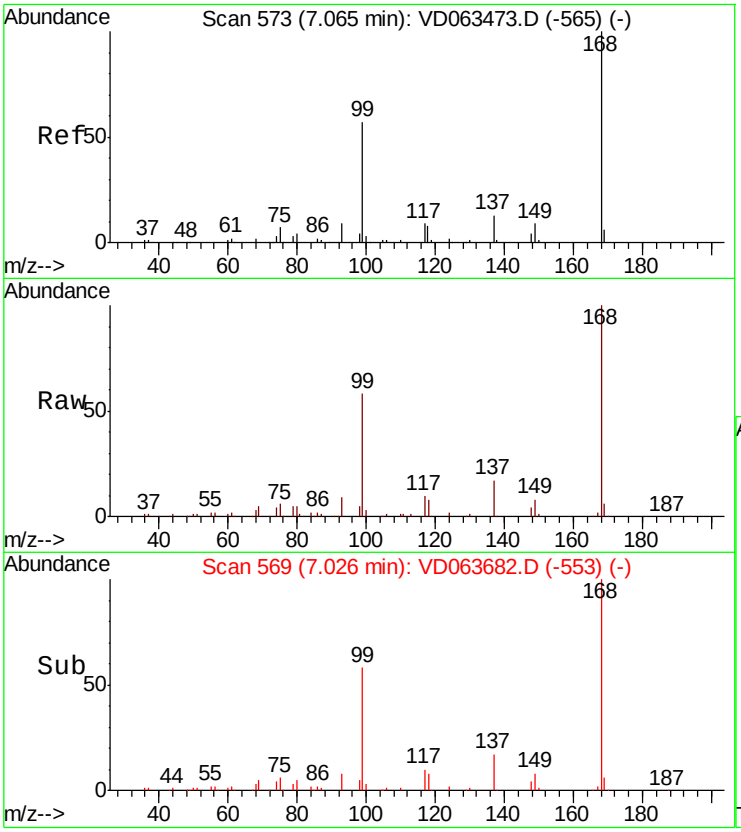
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
Data File : VD063682.D
Acq On : 20 Aug 2019 14:06
Operator : JC/SY
Sample : K4385-15RE
Misc : 5.31g/5ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Quant Time: Aug 21 03:50:29 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



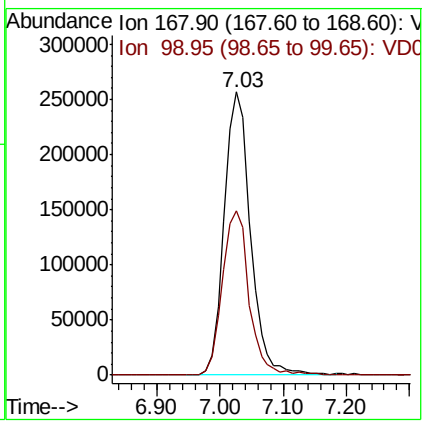


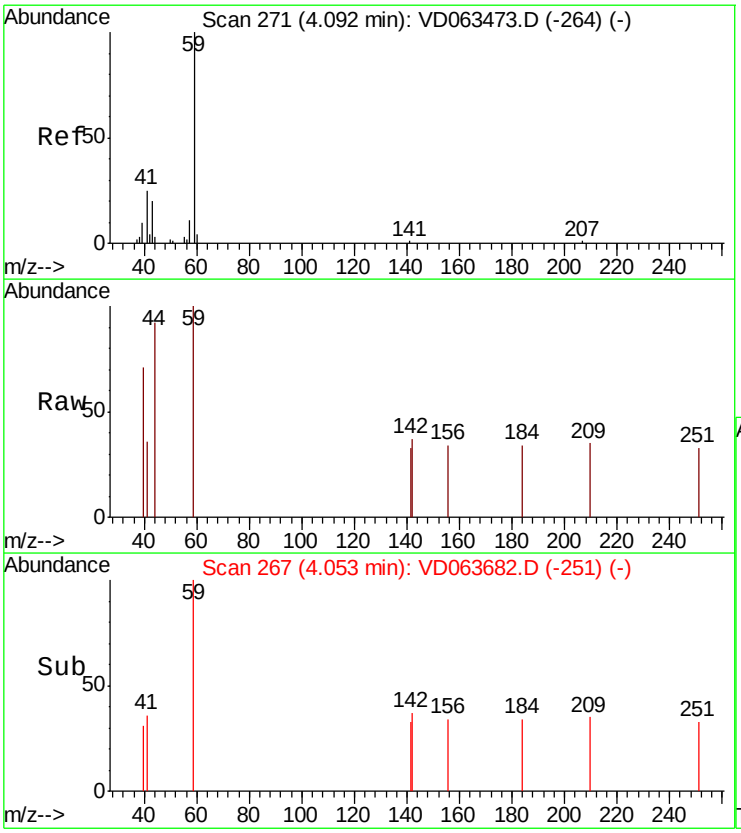
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.04 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion:168 Resp: 739627

Ion	Ratio	Lower	Upper
168	100		
99	57.9	46.7	70.1

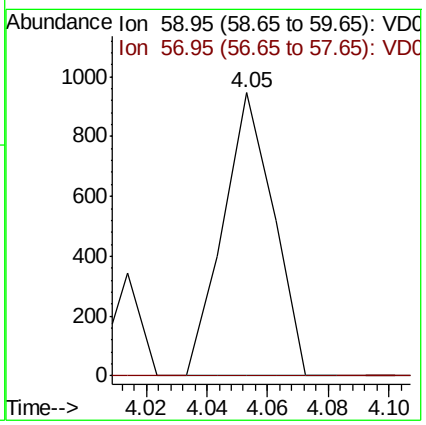


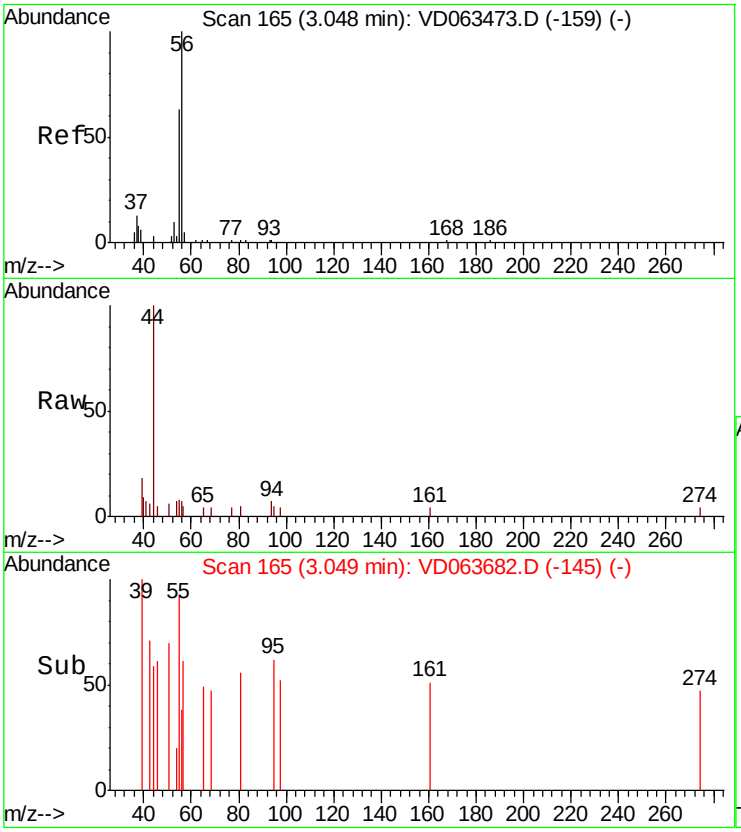


#11
Tert butyl alcohol
Concen: 3.202 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.04 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 59 Resp: 1102

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



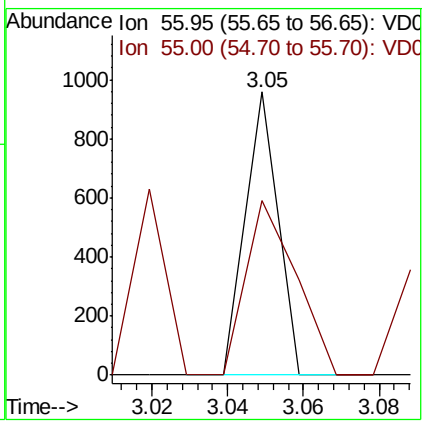


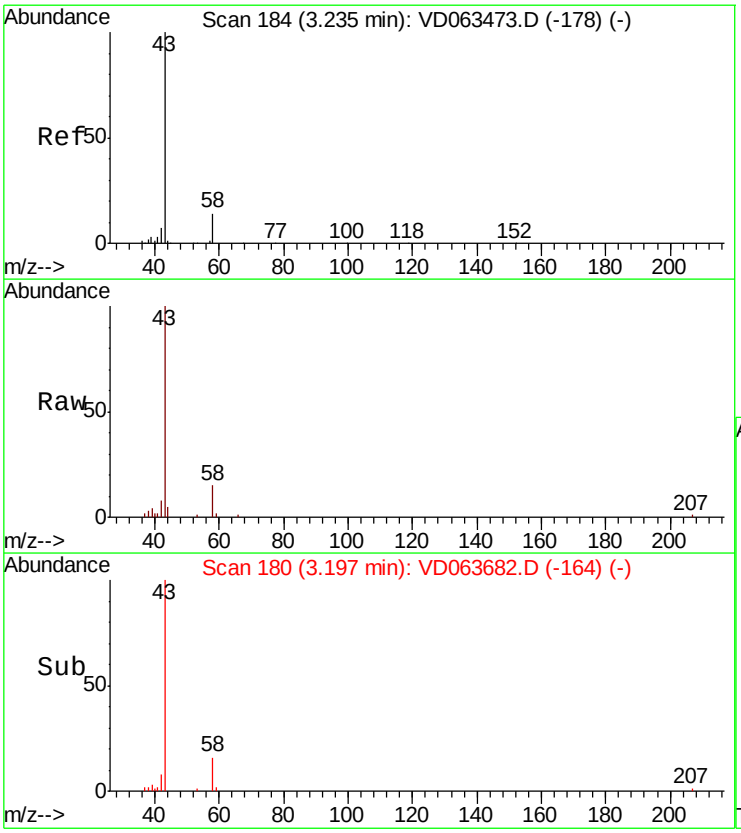
#13
Acrolein
Concen: 1.671 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.00 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion: 56 Resp: 566

Ion	Ratio	Lower	Upper
56	100		
55	61.8	51.3	76.9

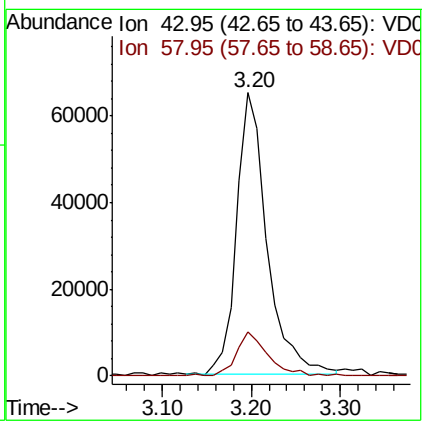


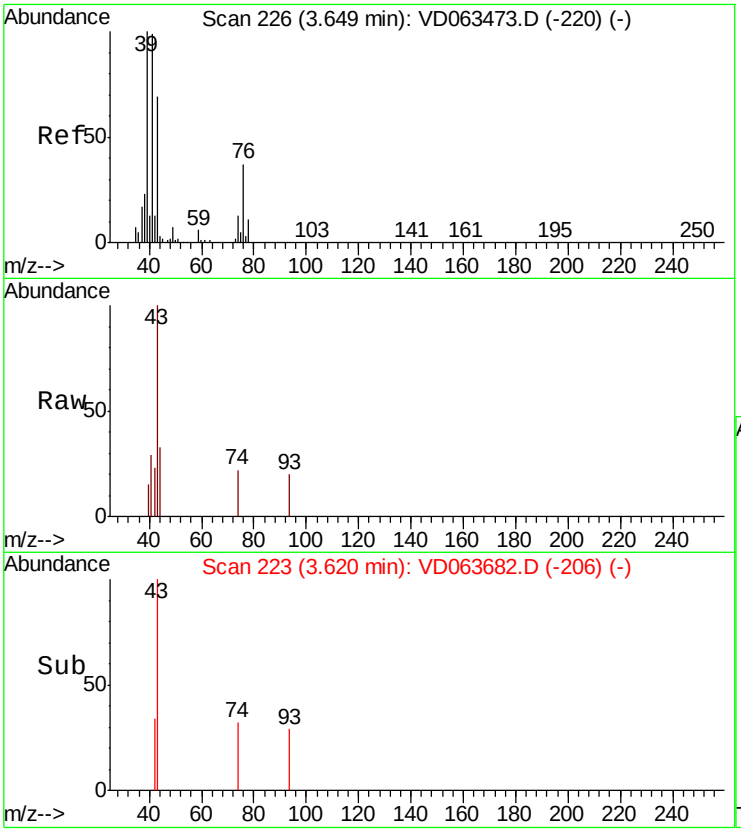


#16
Acetone
Concen: 95.922 ug/l
RT: 3.20 min Scan# 180
Delta R.T. -0.04 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 43 Resp: 154160

Ion	Ratio	Lower	Upper
43	100		
58	15.5	11.4	17.2



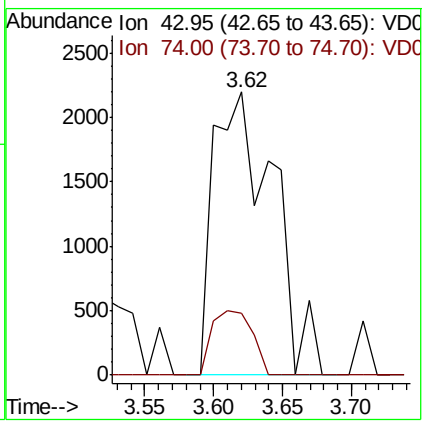


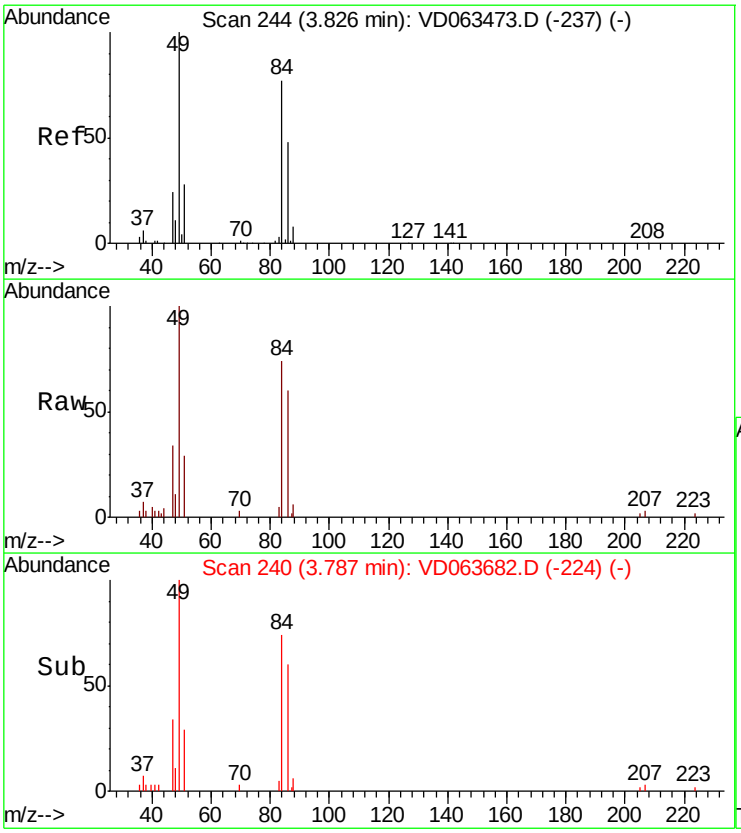
#18
Methyl Acetate
Concen: 2.169 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument : MSVOA_D
ClientSampleId : T8-C-(2)RE

Tgt Ion: 43 Resp: 6602

Ion	Ratio	Lower	Upper
43	100		
74	22.1	15.4	23.2

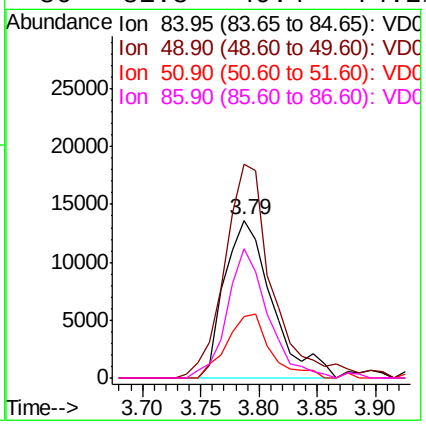


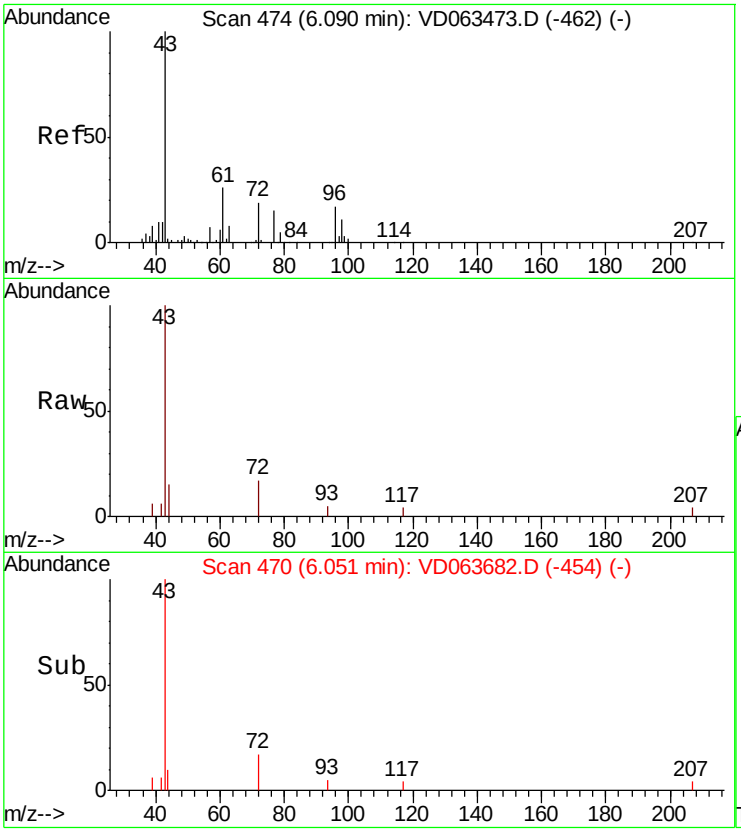


#20
Methylene Chloride
Concen: 5.540 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.04 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 84 Resp: 38500

Ion	Ratio	Lower	Upper
84	100		
49	135.5	103.4	155.2
51	39.4	28.5	42.7
86	81.8	49.4	74.2#



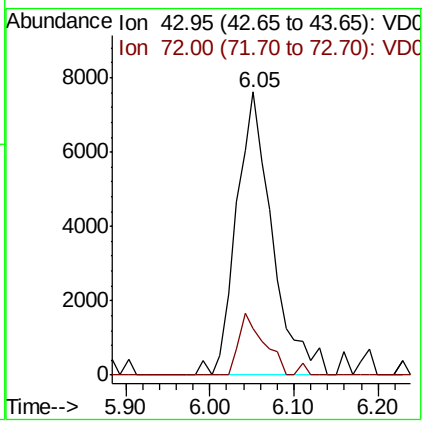


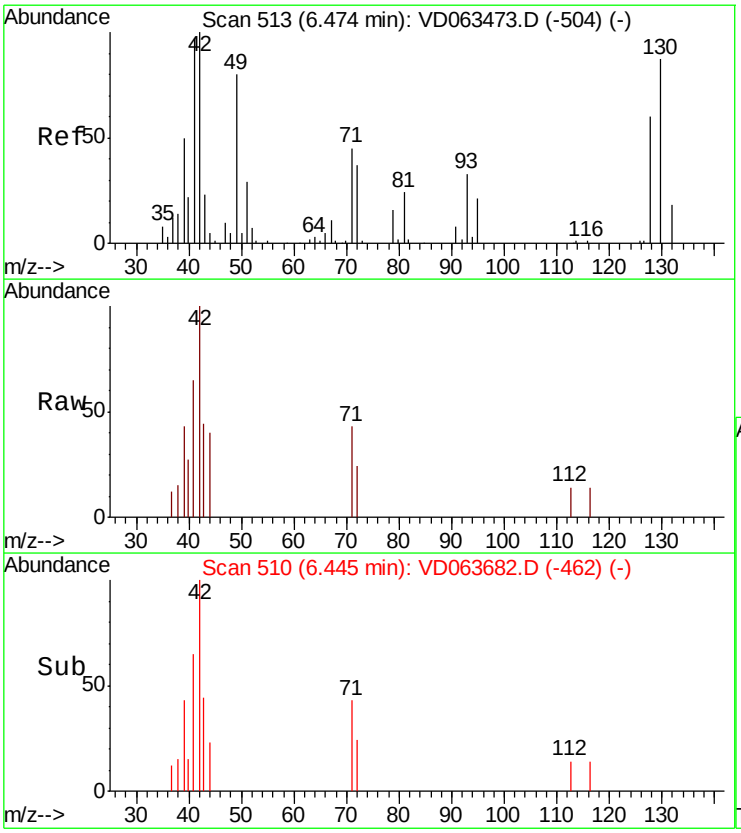
#25
2-Butanone
Concen: 14.308 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.04 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion: 43 Resp: 22710

Ion	Ratio	Lower	Upper
43	100		
72	16.6	15.1	22.7

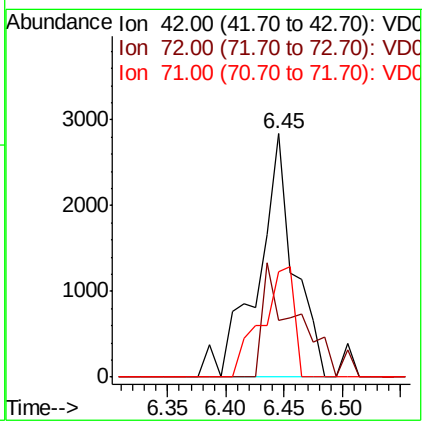


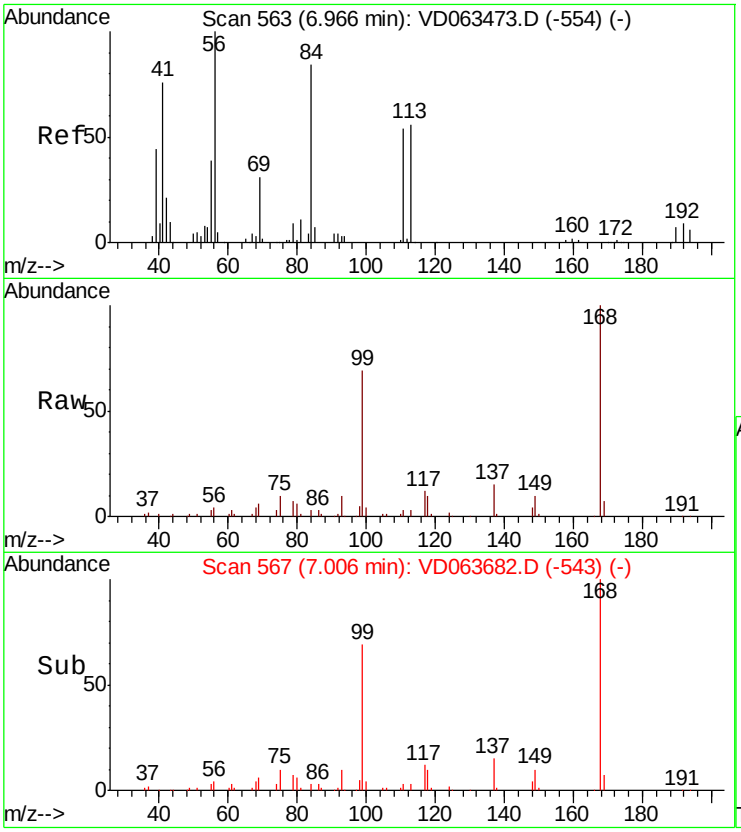


#29
Tetrahydrofuran
Concen: 8.260 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 42 Resp: 6109

Ion	Ratio	Lower	Upper
42	100		
72	44.7	31.5	47.3
71	40.3	33.8	50.8



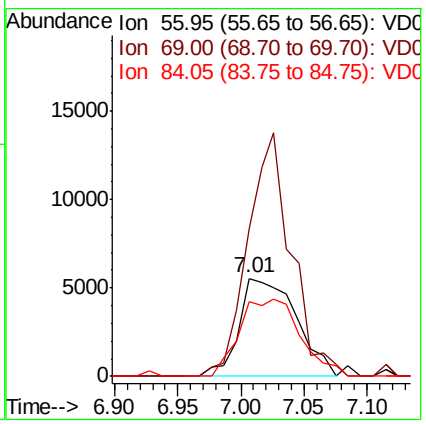


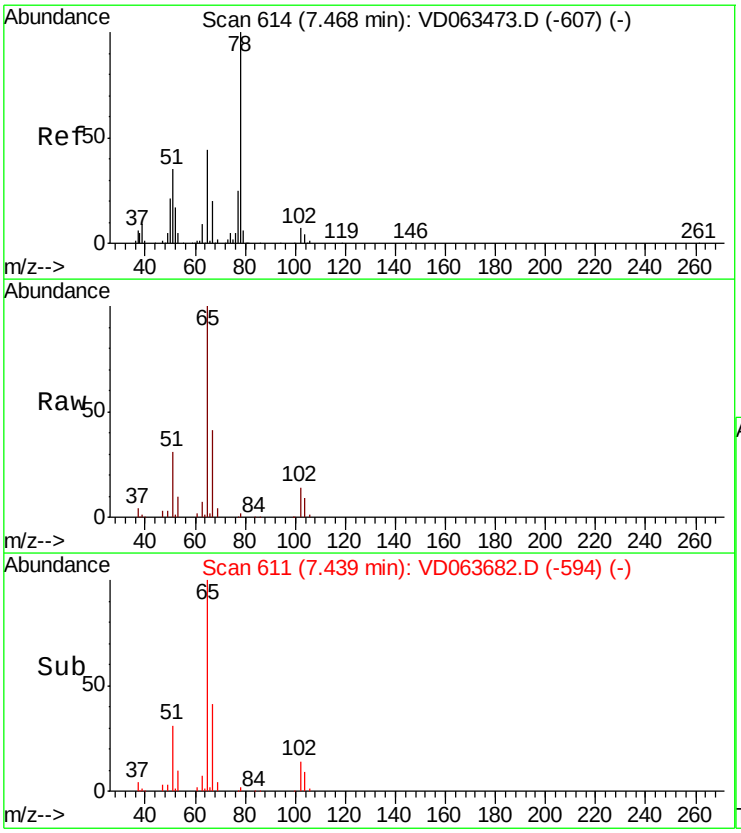
#31
Cyclohexane
Concen: 2.439 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.04 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument : MSVOA_D
ClientSampleId : T8-C-(2)RE

Tgt Ion: 56 Resp: 17413

Ion	Ratio	Lower	Upper
56	100		
69	150.2	25.0	37.6#
84	75.8	69.7	104.5

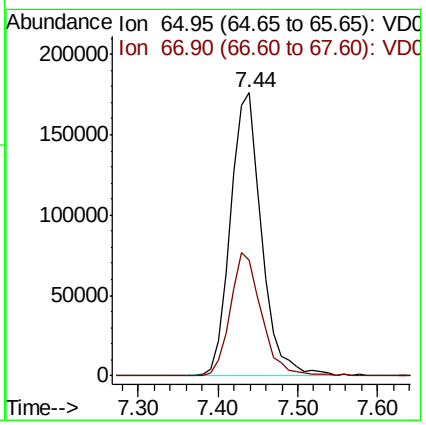


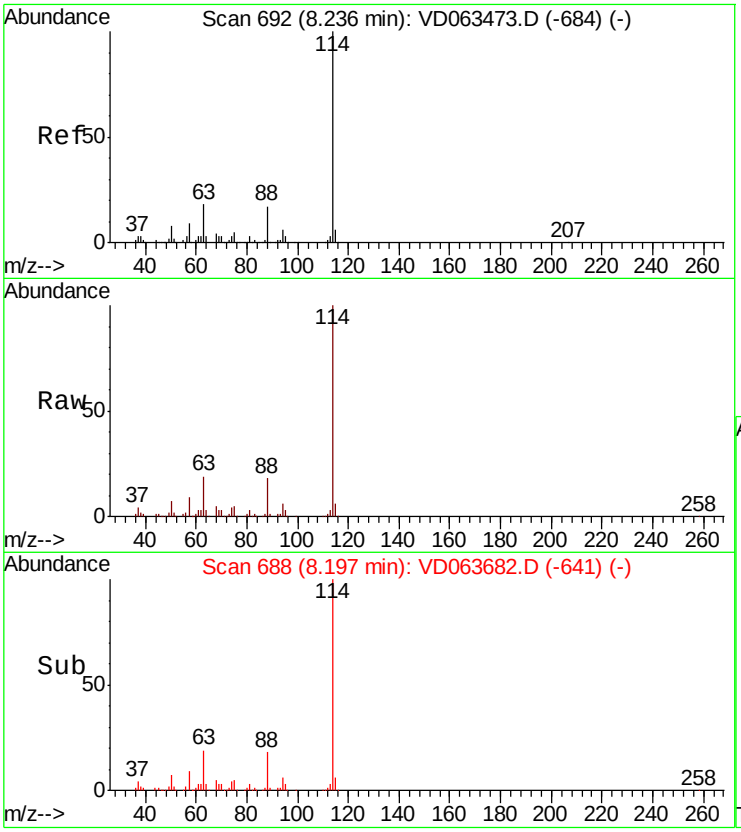


#33
1,2-Dichloroethane-d4
Concen: 60.514 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 65 Resp: 478427

Ion	Ratio	Lower	Upper
65	100		
67	41.0	0.0	89.2



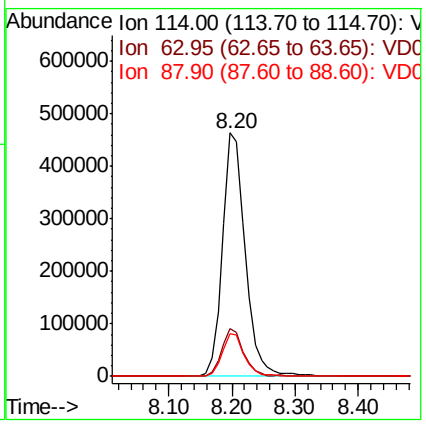


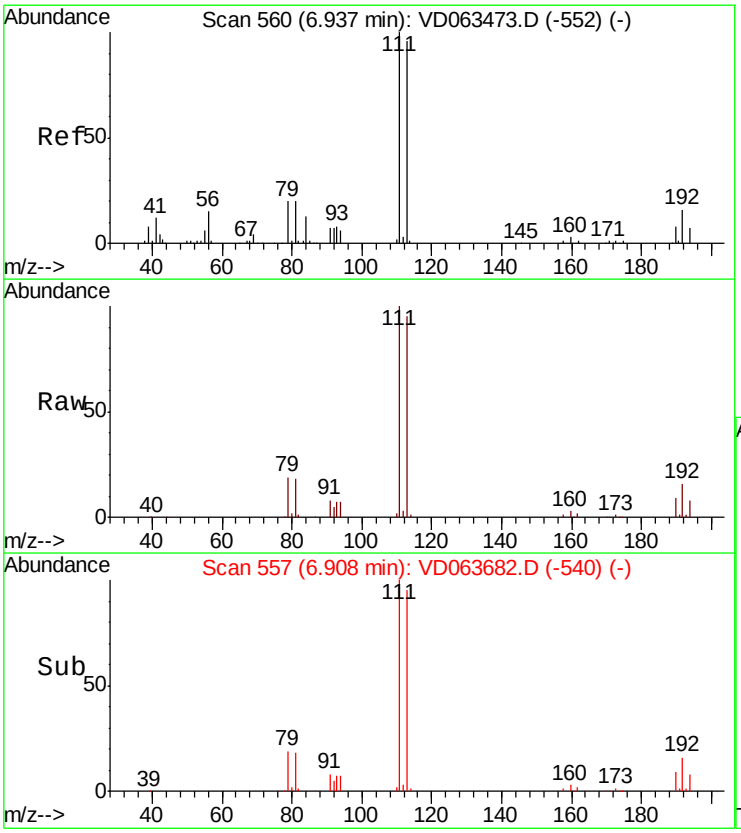
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.20 min Scan# 688
Delta R.T. -0.04 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion:114 Resp: 1154229

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	36.2
88	17.6	0.0	35.0

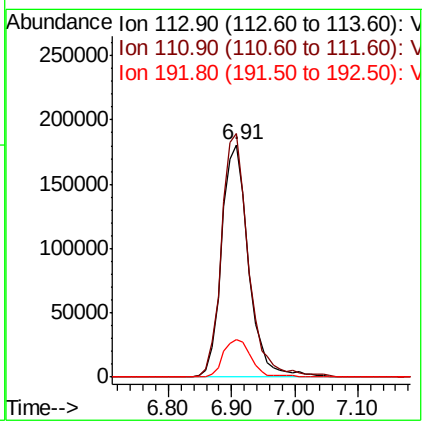


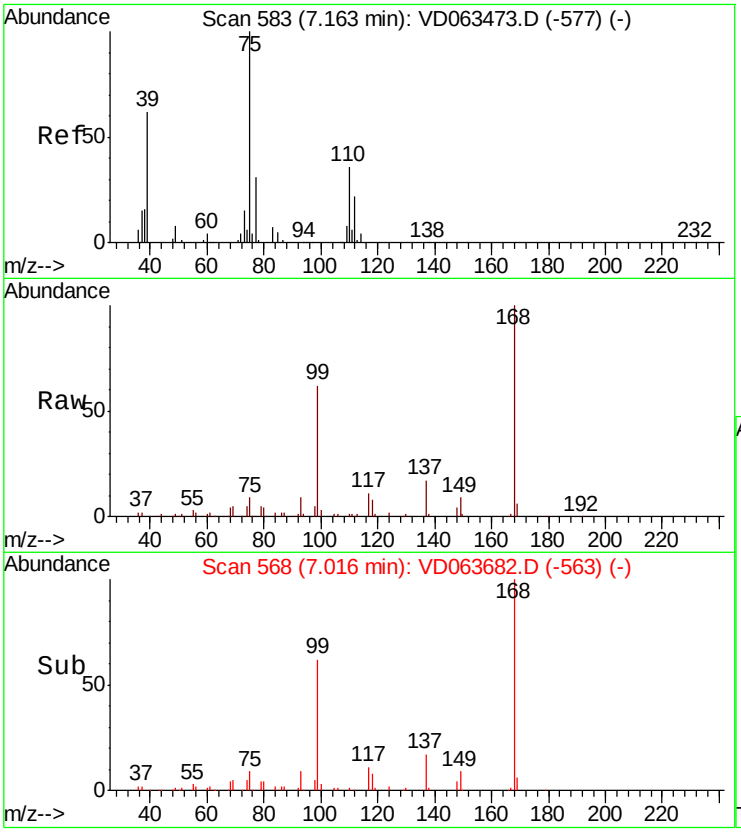


#35
Dibromofluoromethane
Concen: 54.850 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.03 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion:113 Resp: 533197

Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.1	124.7
192	16.2	13.1	19.7



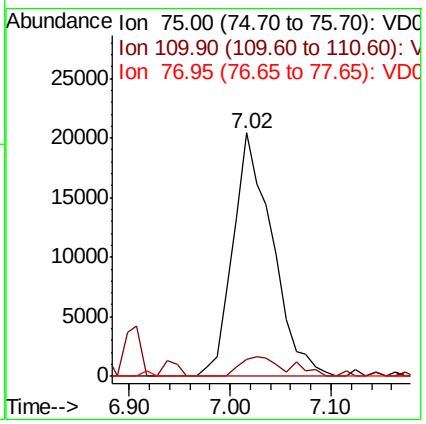


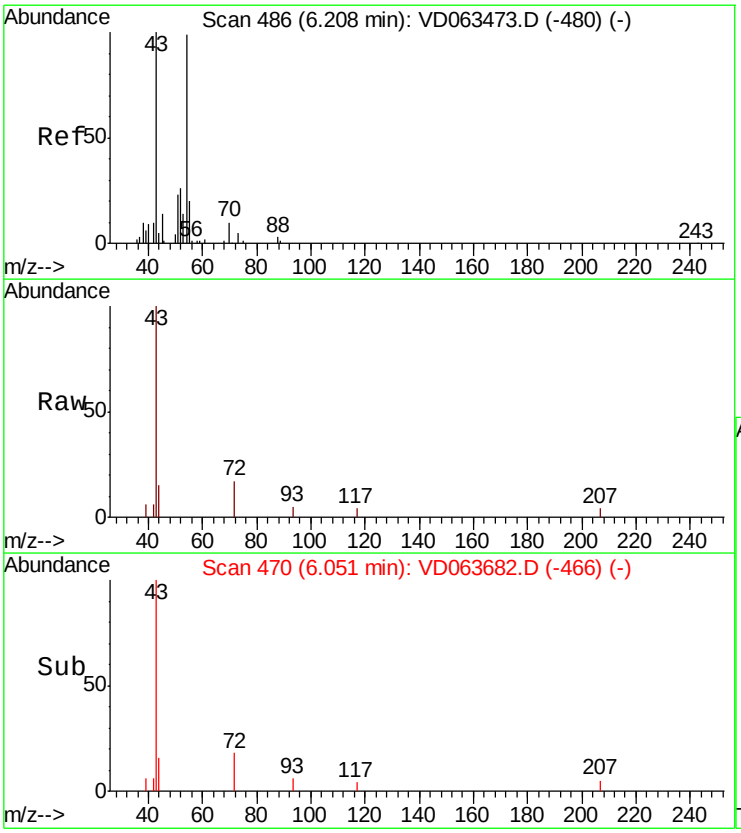
#36
1,1-Dichloropropene
Concen: 5.423 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.15 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument : MSVOA_D
ClientSampleId : T8-C-(2)RE

Tgt Ion: 75 Resp: 55334

Ion	Ratio	Lower	Upper
75	100		
110	6.9	17.6	52.8#
77	0.0	24.3	36.5#

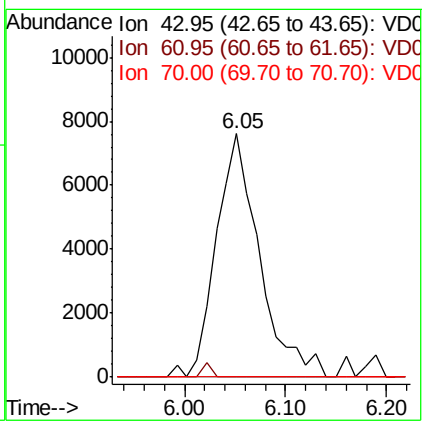


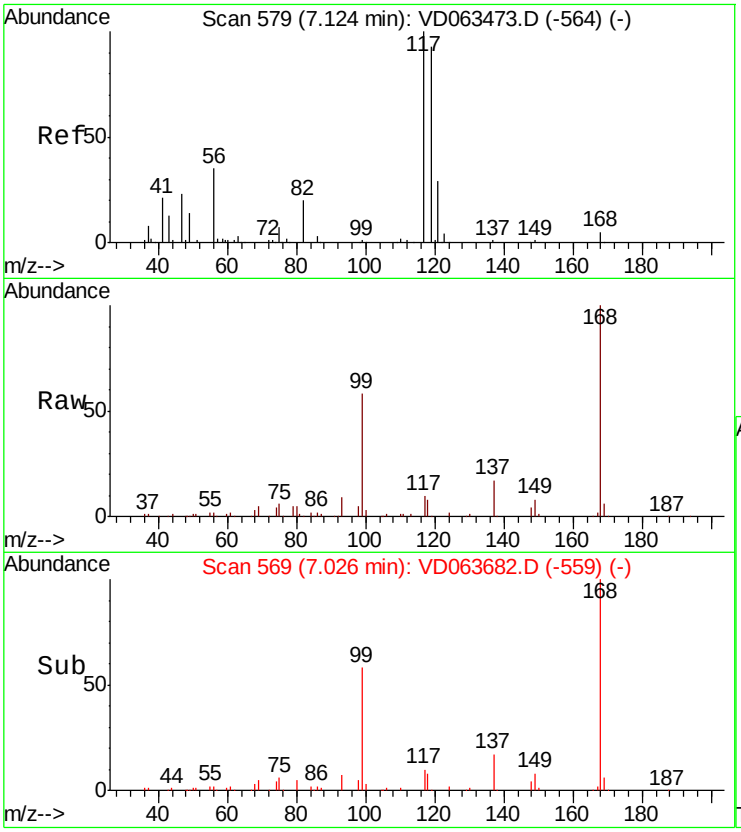


#37
Ethyl Acetate
Concen: 5.258 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.16 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 43 Resp: 22480

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



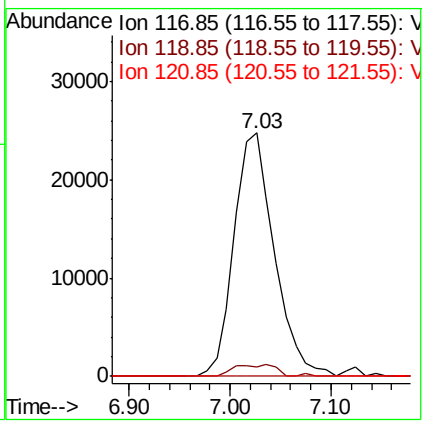


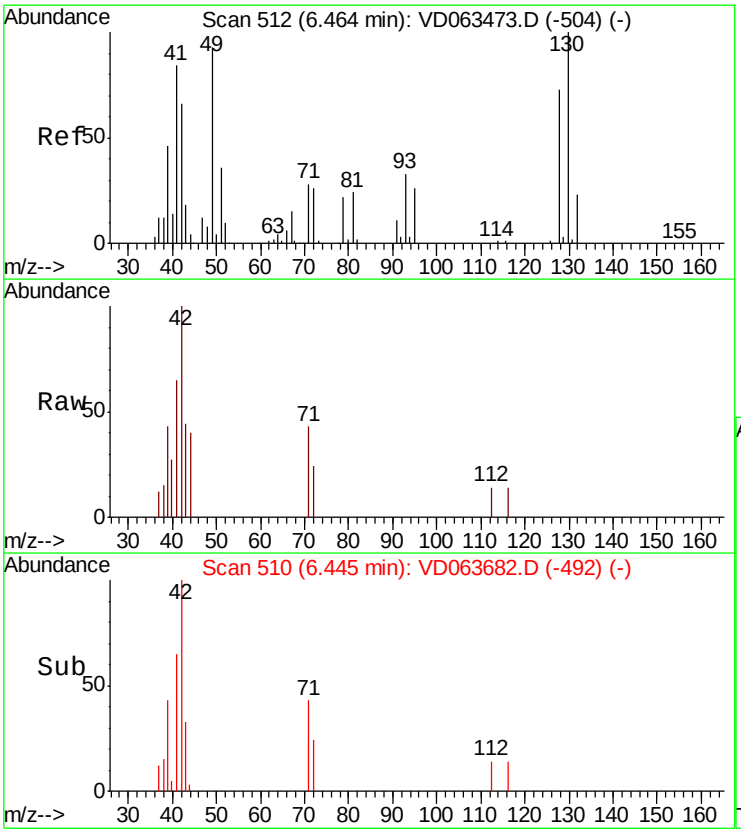
#38
Carbon Tetrachloride
Concen: 4.468 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.10 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion:117 Resp: 68717

Ion	Ratio	Lower	Upper
117	100		
119	4.0	74.2	111.2#
121	0.0	23.1	34.7#

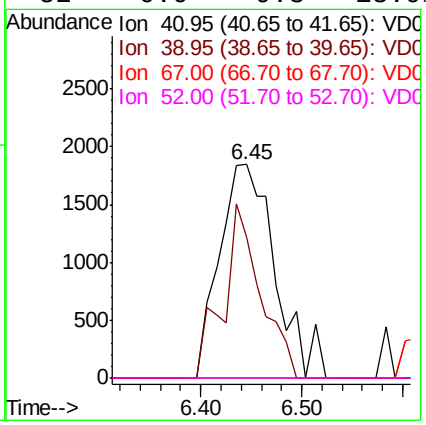


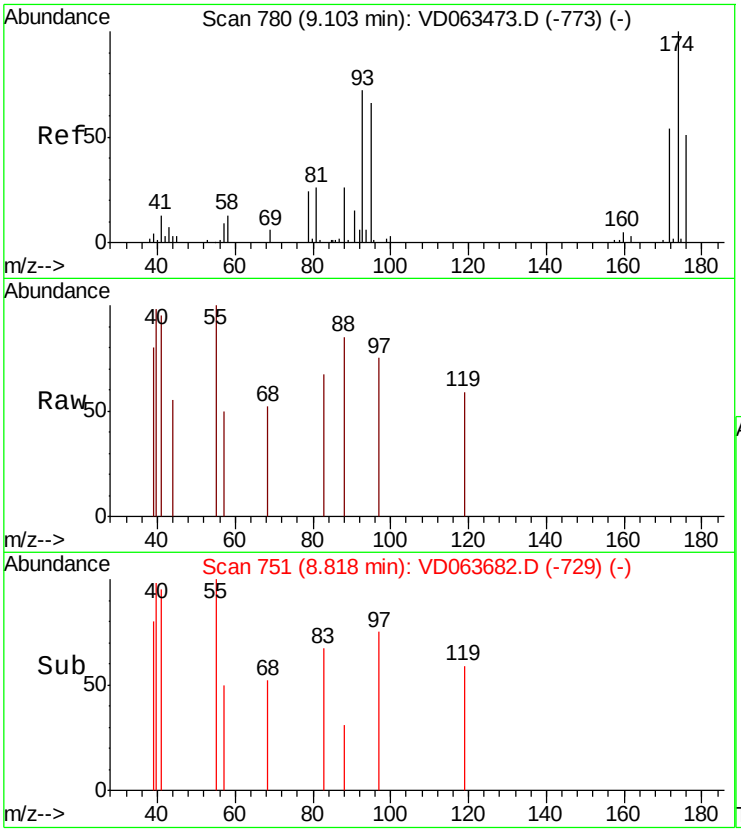


#41
Methacrylonitrile
Concen: 1.319 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 41 Resp: 7103

Ion	Ratio	Lower	Upper
41	100		
39	65.9	44.6	66.8
67	0.0	14.4	21.6#
52	0.0	9.3	13.9#



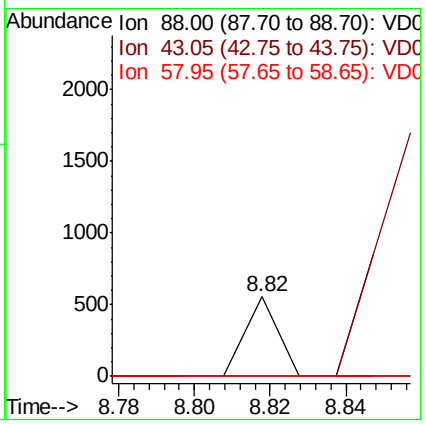


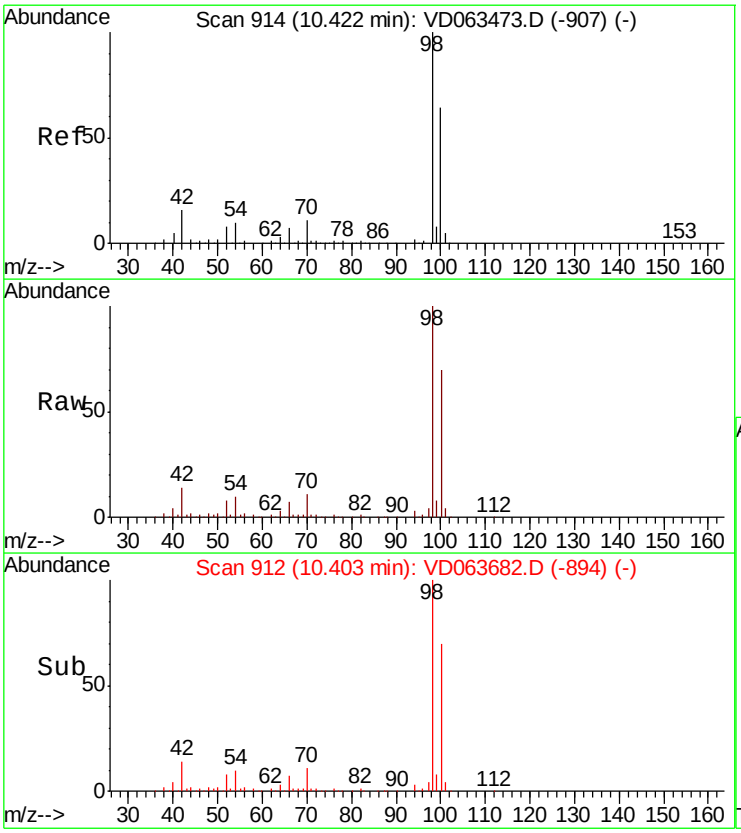
#49
1,4-Dioxane
Concen: 33.964 ug/l
RT: 8.82 min Scan# 751
Delta R.T. -0.28 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion: 88 Resp: 328

Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.9	34.3#
58	0.0	40.1	60.1#

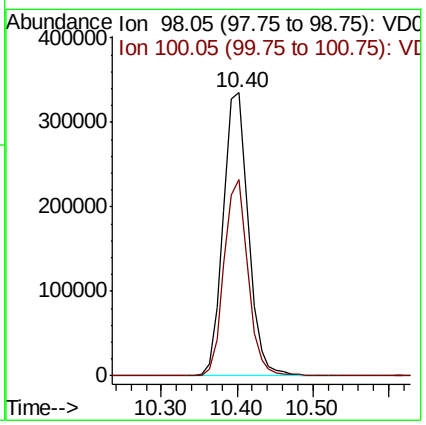


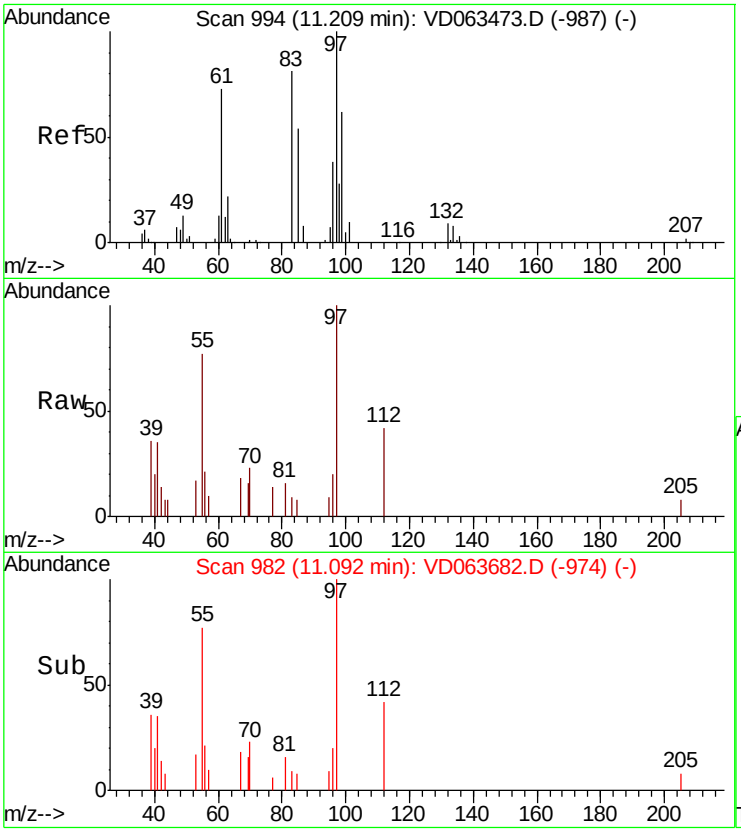


#50
Toluene-d8
Concen: 36.117 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 98 Resp: 771896

Ion	Ratio	Lower	Upper
98	100		
100	69.5	51.7	77.5



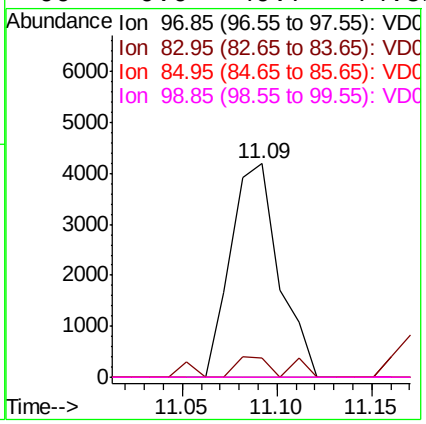


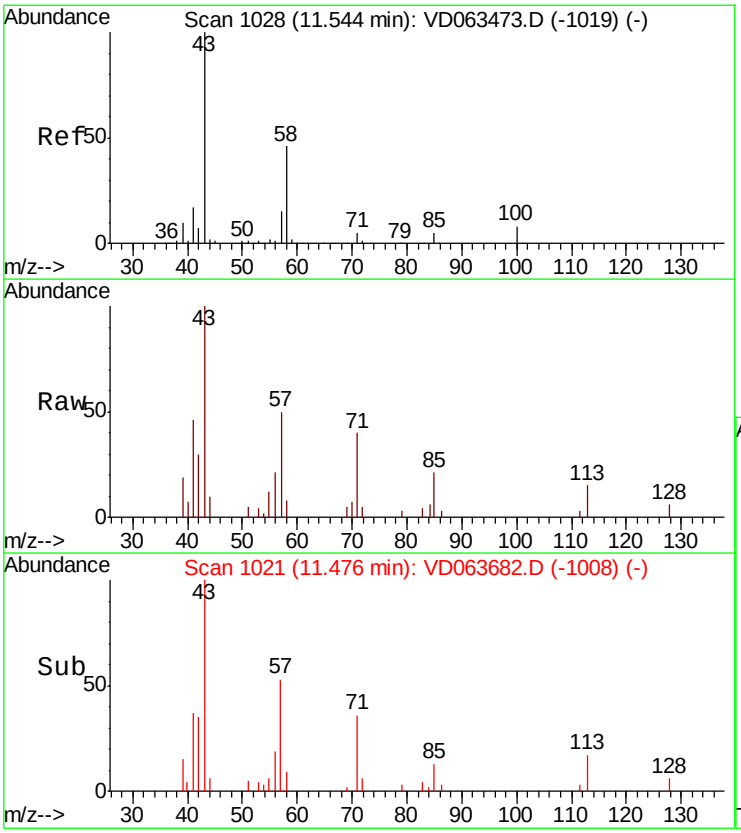
#55
1,1,2-Trichloroethane
Concen: 1.519 ug/l
RT: 11.09 min Scan# 982
Delta R.T. -0.12 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument : MSVOA_D
ClientSampleId : T8-C-(2)RE

Tgt Ion: 97 Resp: 7421

Ion	Ratio	Lower	Upper
97	100		
83	9.0	64.7	97.1#
85	0.0	42.9	64.3#
99	0.0	49.7	74.5#

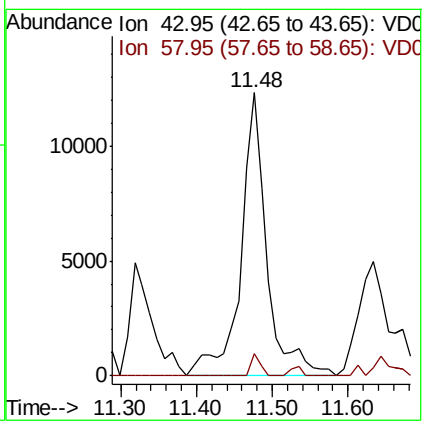


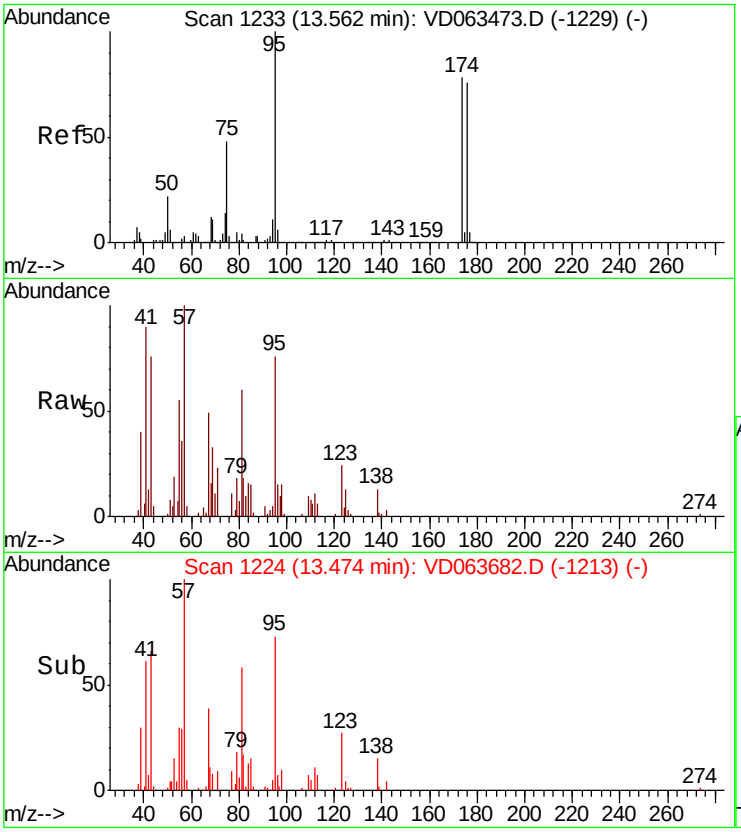


#59
2-Hexanone
Concen: 10.232 ug/l
RT: 11.48 min Scan# 1021
Delta R.T. -0.07 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 43 Resp: 29173

Ion	Ratio	Lower	Upper
43	100		
58	7.7	23.1	69.2#



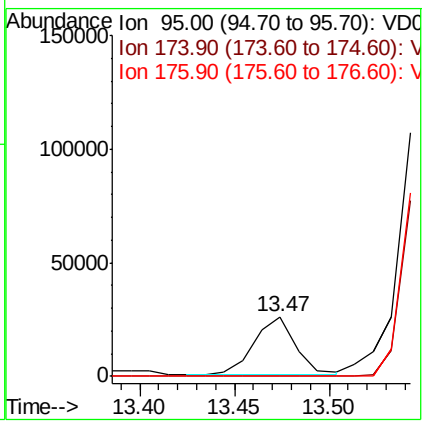


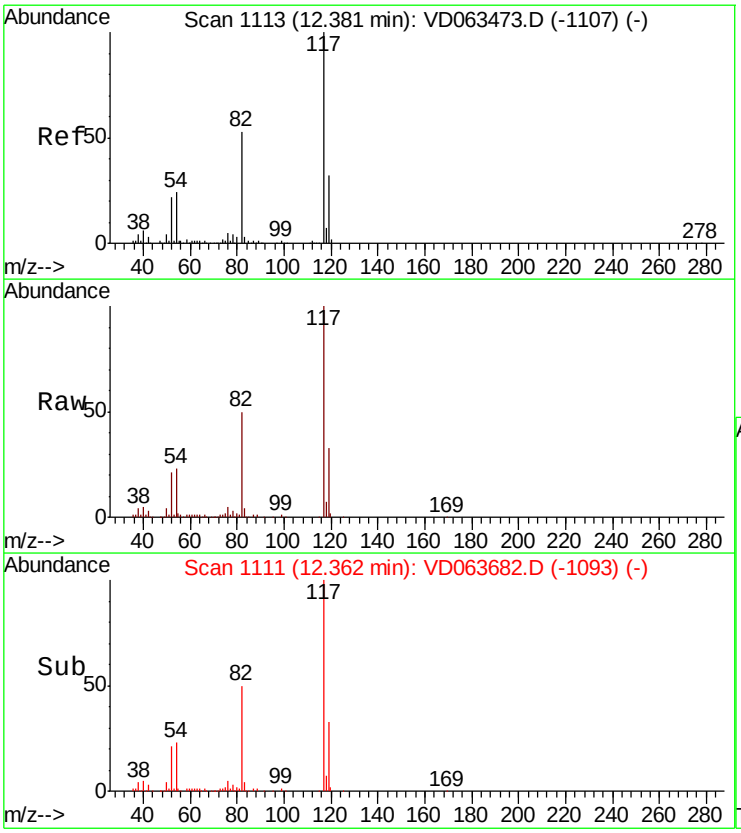
#62
4-Bromofluorobenzene
Concen: 4.103 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.09 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion: 95 Resp: 39748

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

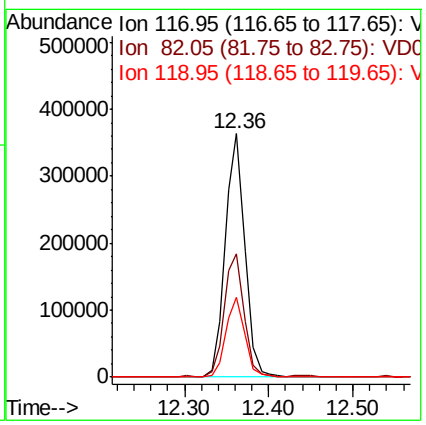


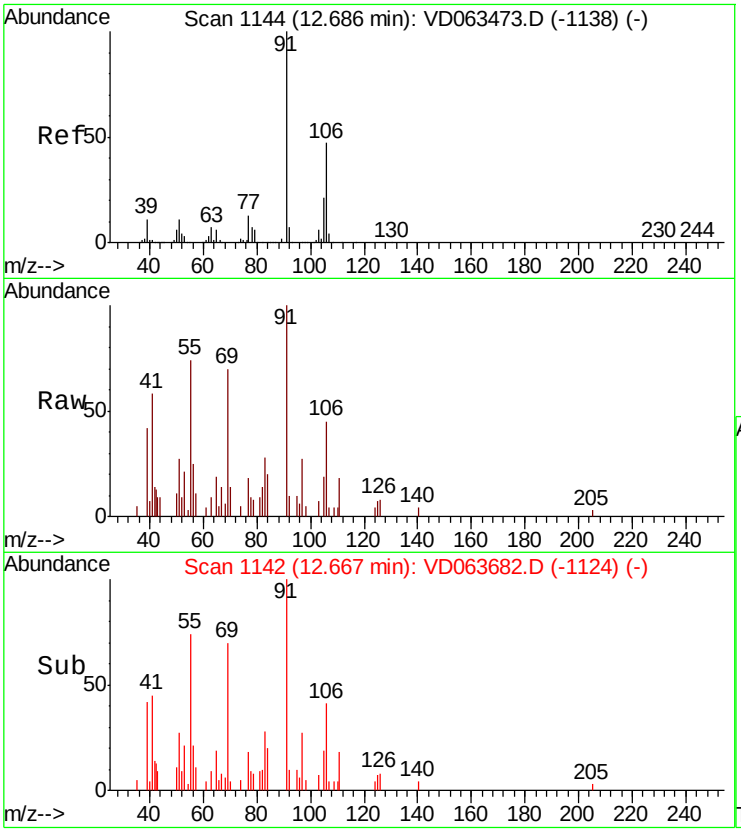


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion:117 Resp: 583165

Ion	Ratio	Lower	Upper
117	100		
82	50.4	42.0	63.0
119	32.8	25.4	38.0



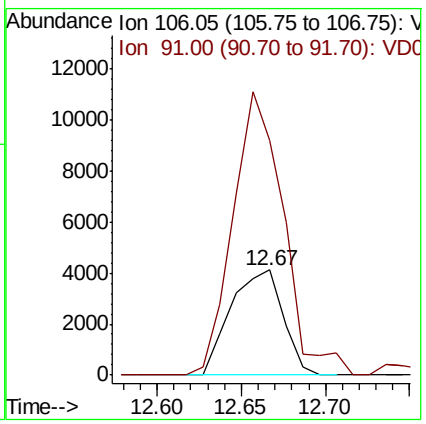


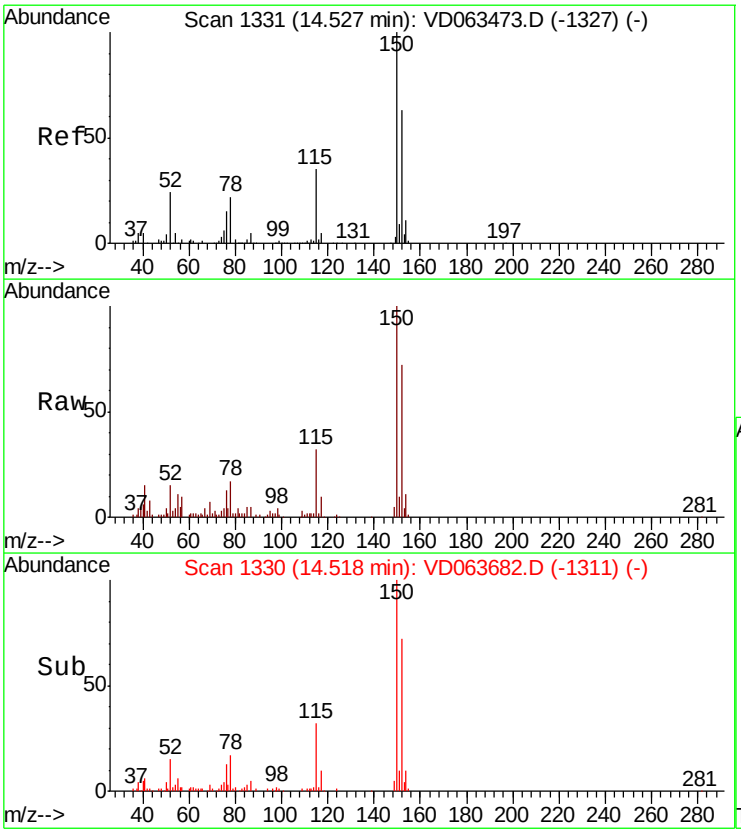
#68
m/p-Xylenes
Concen: 1.329 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument : MSVOA_D
ClientSampleId : T8-C-(2)RE

Tgt Ion:106 Resp: 8872

Ion	Ratio	Lower	Upper
106	100		
91	222.7	171.8	257.8

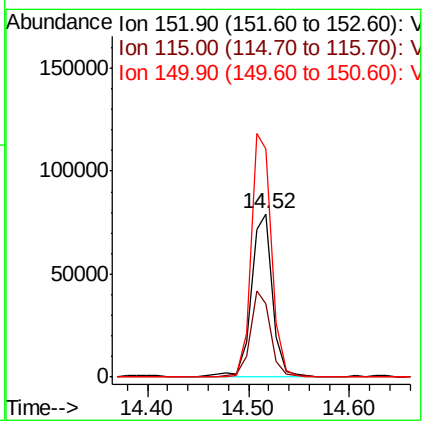


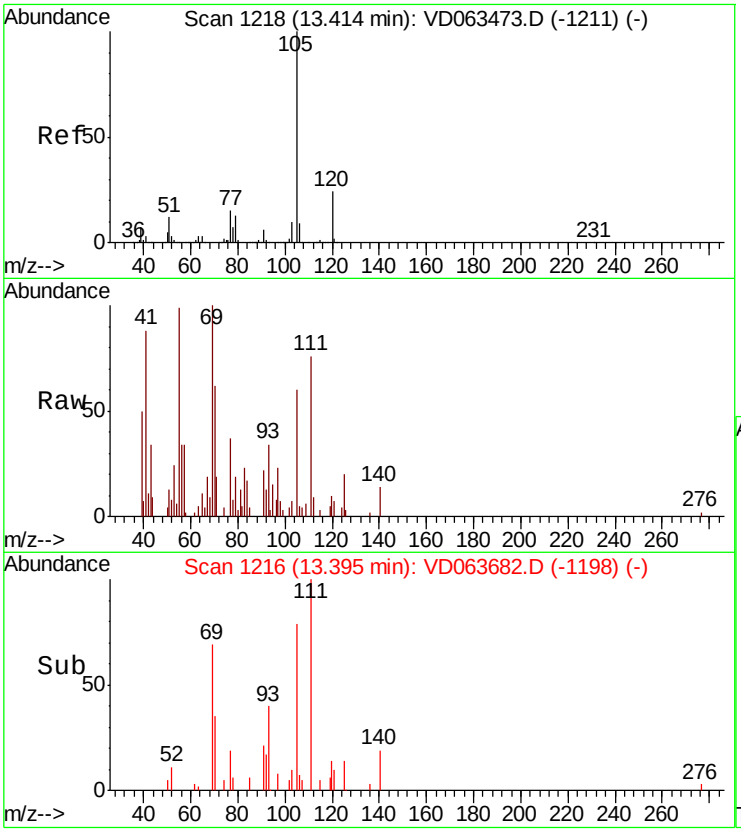


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion:152 Resp: 116715

Ion	Ratio	Lower	Upper
152	100		
115	44.6	30.9	92.7
150	139.7	0.0	318.6



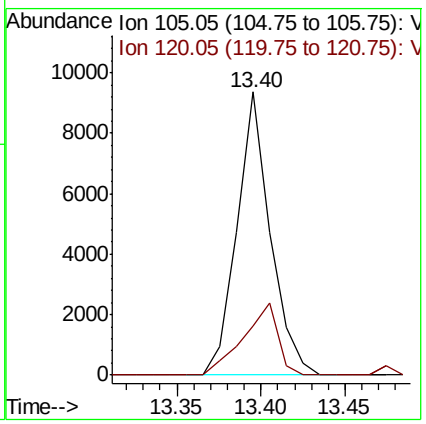


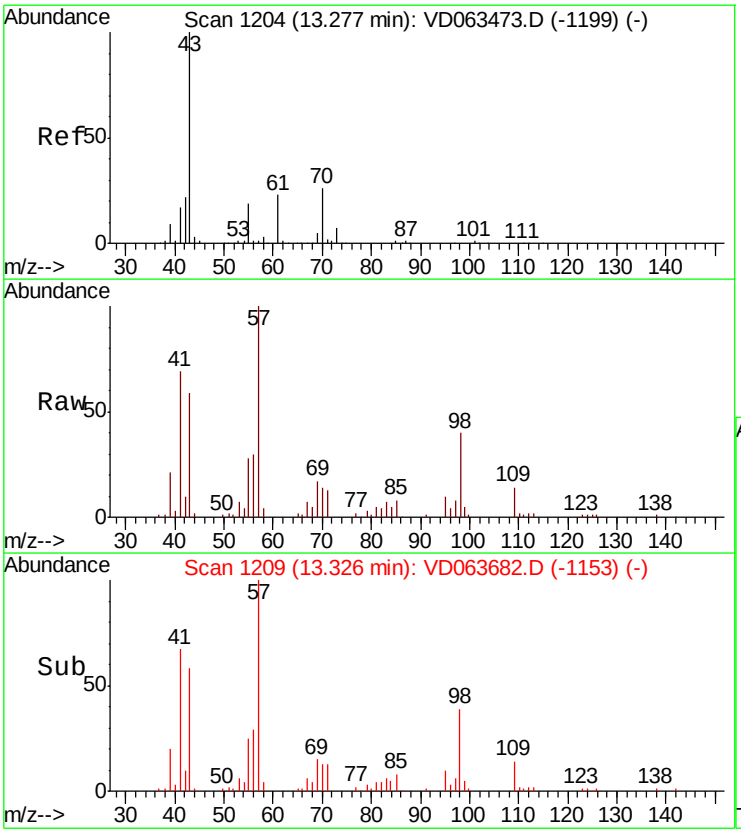
#73
Isopropylbenzene
Concen: 1.728 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.02 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion:105 Resp: 12829

Ion	Ratio	Lower	Upper
105	100		
120	17.5	11.9	35.9

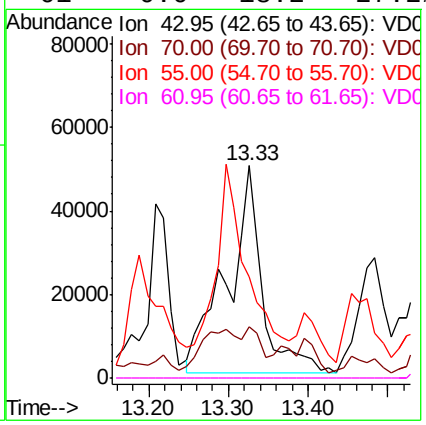


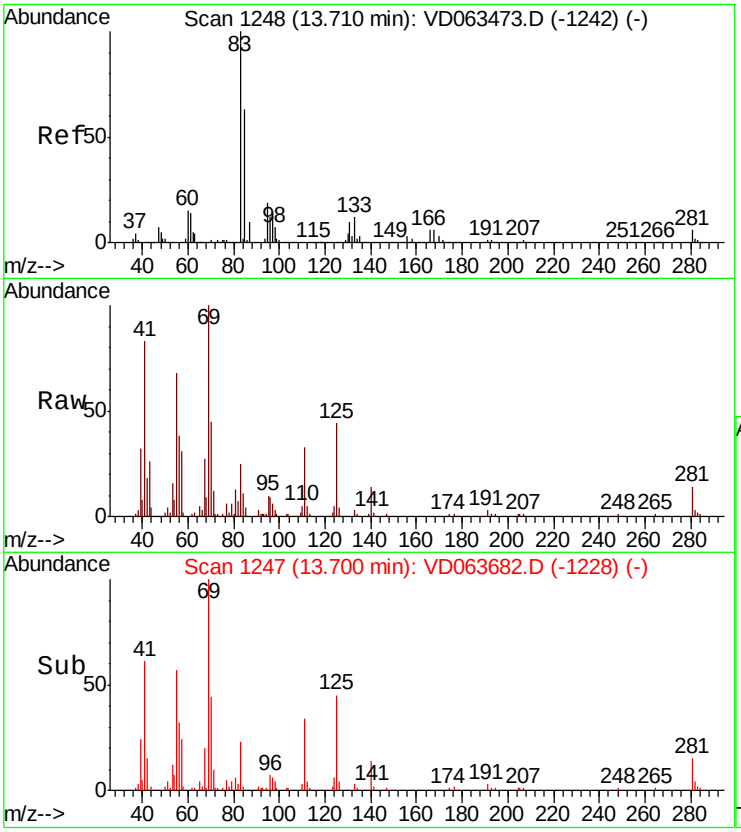


#74
N-amyl acetate
Concen: 80.975 ug/l
RT: 13.33 min Scan# 1209
Delta R.T. 0.05 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 43 Resp: 150903

Ion	Ratio	Lower	Upper
43	100		
70	23.9	21.1	31.7
55	47.7	15.4	23.0#
61	0.0	18.2	27.2#



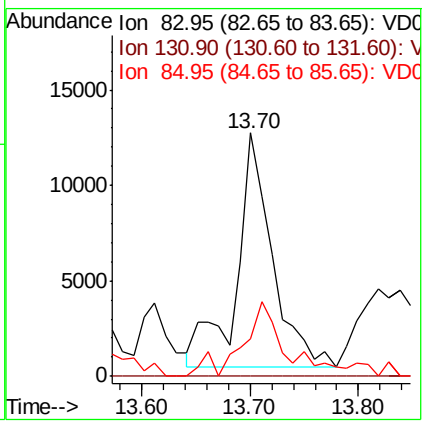


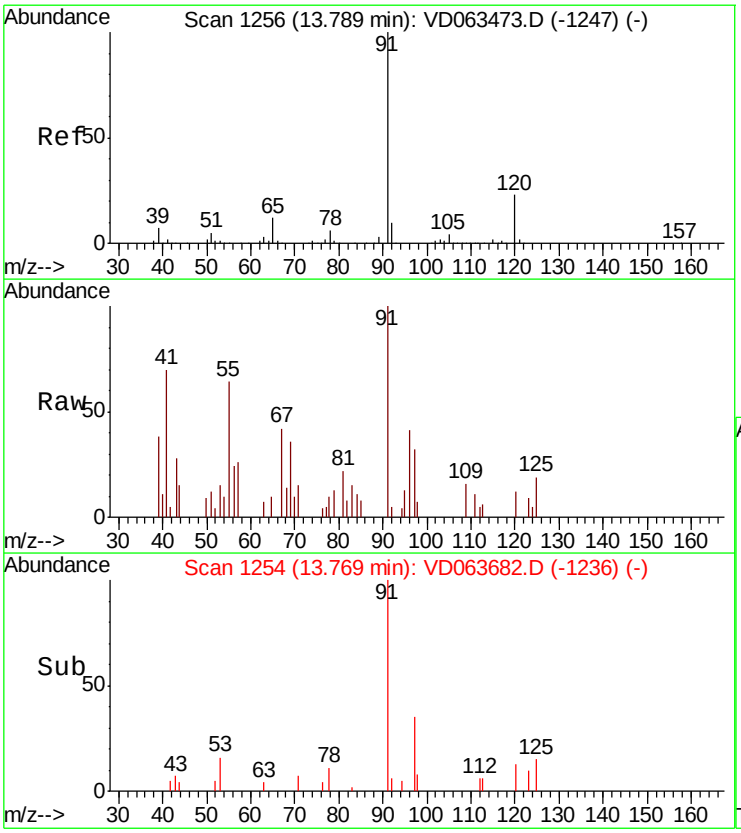
#75
1,1,2,2-Tetrachloroethane
Concen: 22.750 ug/l
RT: 13.70 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument : MSVOA_D
ClientSampleId : T8-C-(2)RE

Tgt Ion: 83 Resp: 28033

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.8#
85	15.5	31.4	94.3#

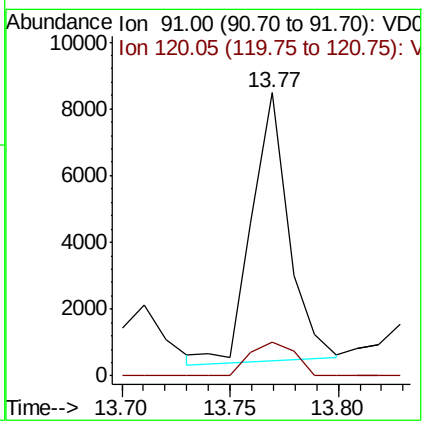


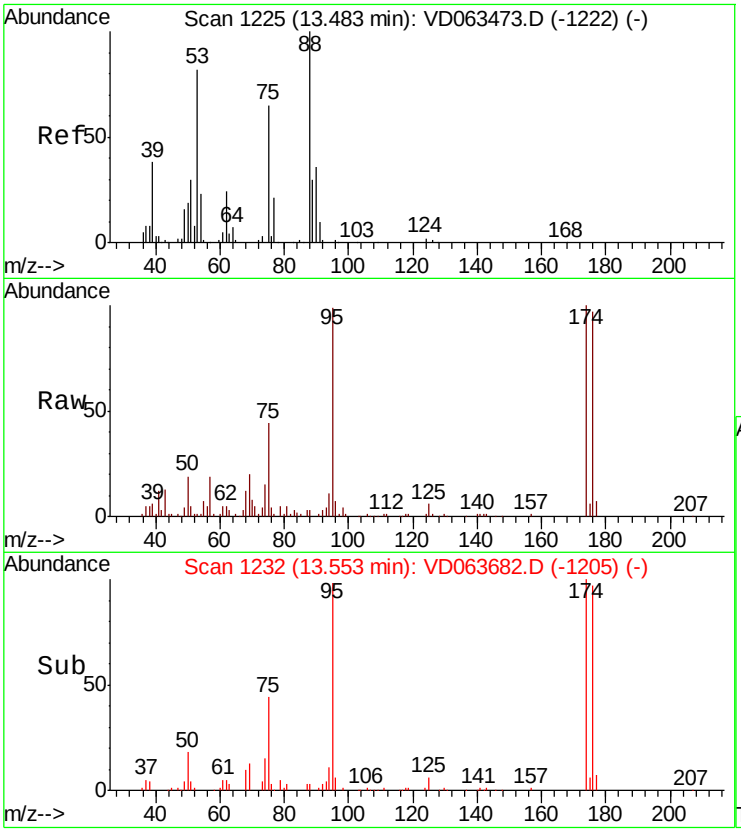


#78
n-propylbenzene
Concen: 1.092 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion: 91 Resp: 9489

Ion	Ratio	Lower	Upper
91	100		
120	12.1	11.3	33.9



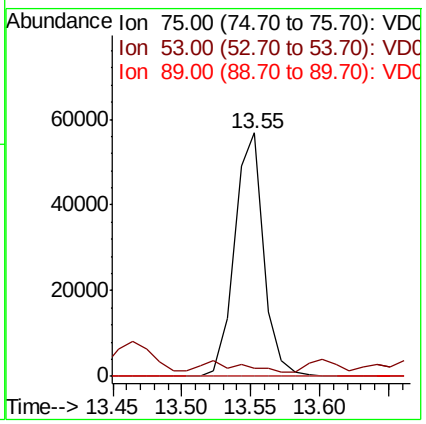


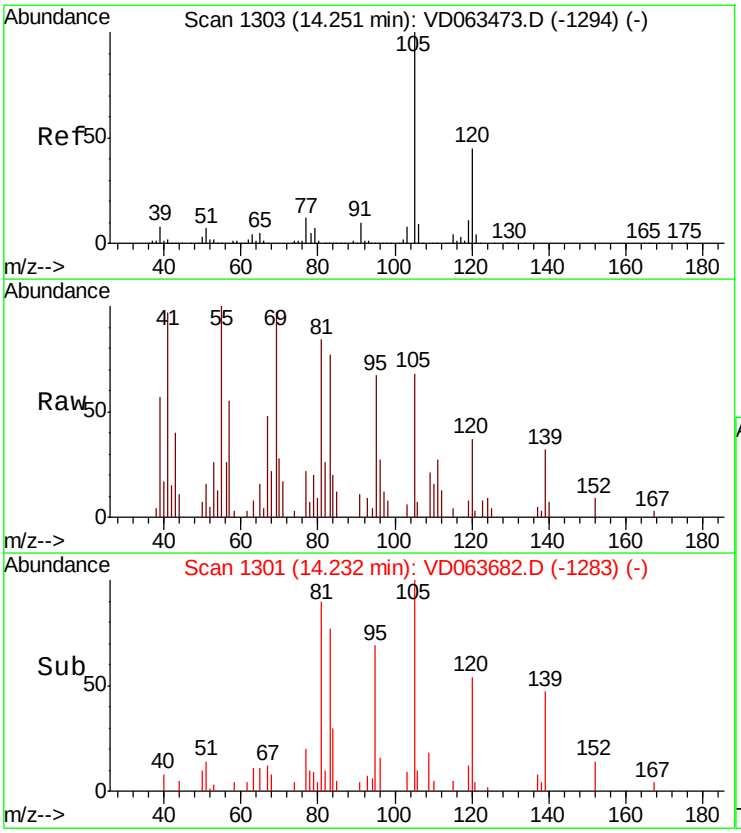
#81
trans-1,4-Dichloro-2-butene
Concen: 231.138 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion: 75 Resp: 83215

Ion	Ratio	Lower	Upper
75	100		
53	3.1	101.0	151.4#
89	0.0	37.0	55.6#

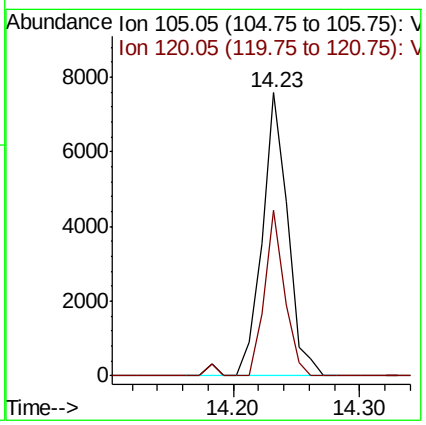


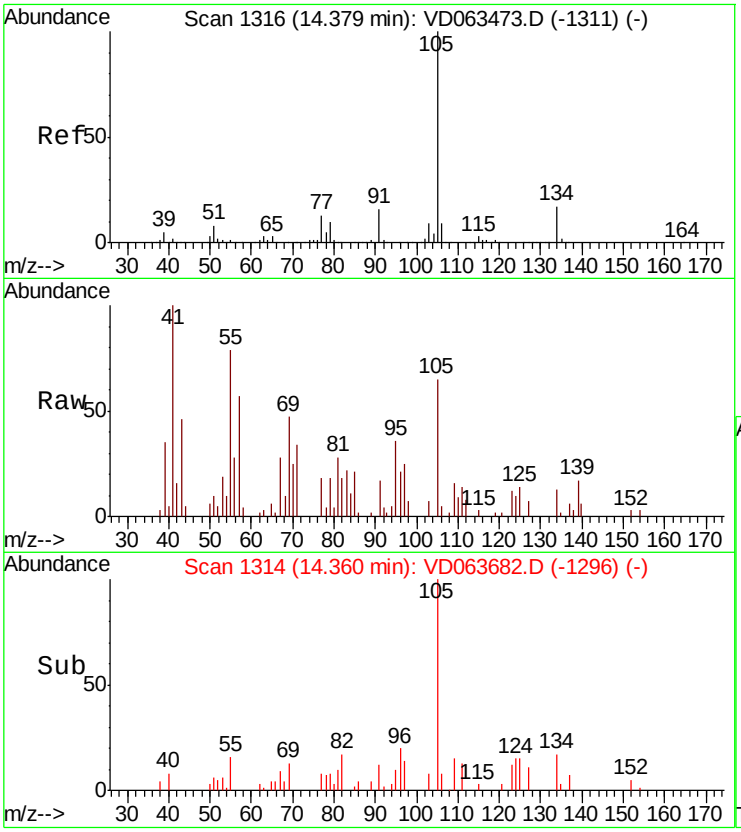


#84
1,2,4-Trimethylbenzene
Concen: 1.795 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.02 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion:105 Resp: 10771

Ion	Ratio	Lower	Upper
105	100		
120	58.3	22.7	68.1



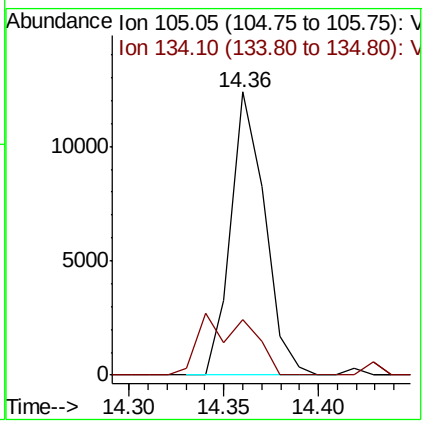


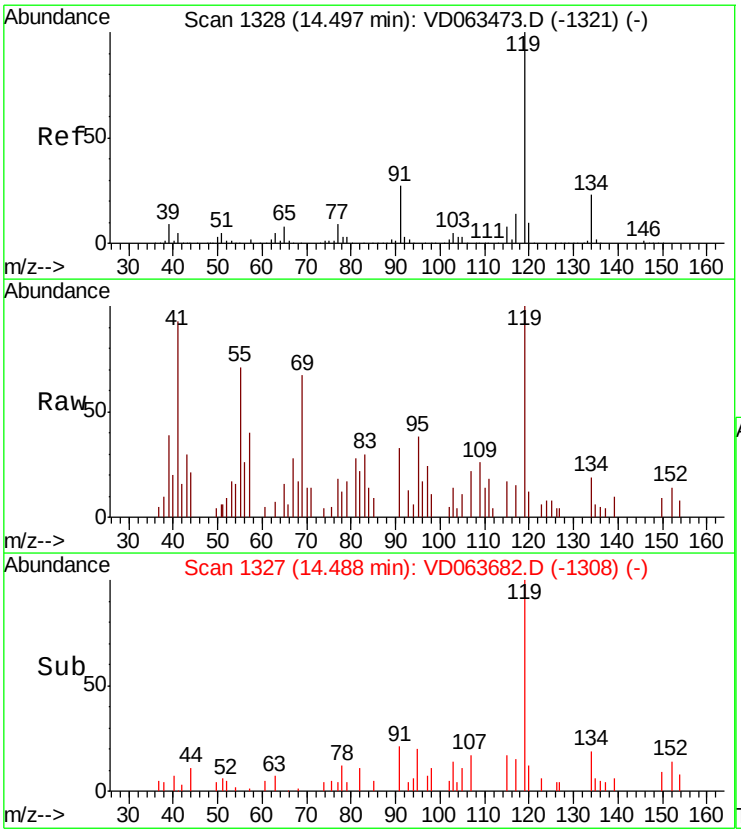
#85
sec-Butylbenzene
Concen: 2.115 ug/l
RT: 14.36 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion:105 Resp: 15341

Ion	Ratio	Lower	Upper
105	100		
134	19.7	8.3	24.8

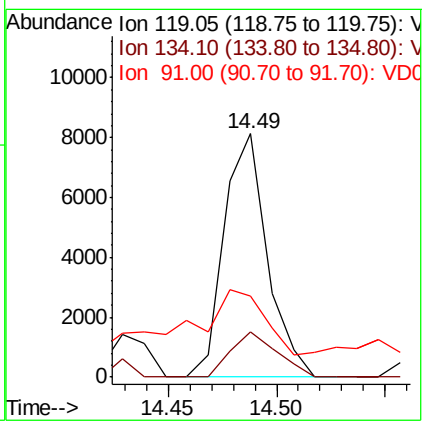


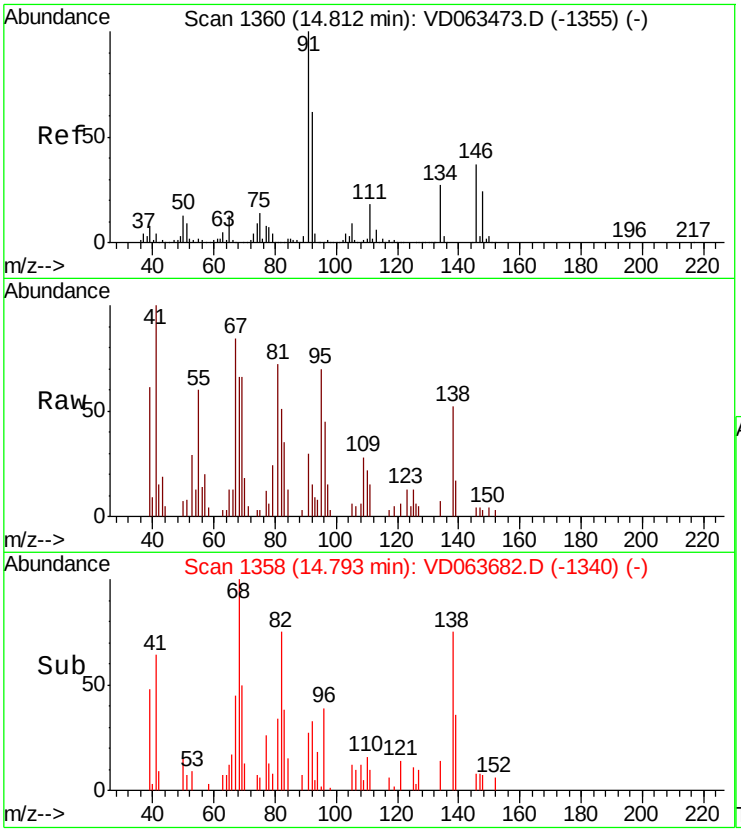


#86
p-Isopropyltoluene
Concen: 1.632 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. -0.01 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion:119 Resp: 11322

Ion	Ratio	Lower	Upper
119	100		
134	18.5	11.3	33.8
91	33.1	13.5	40.4



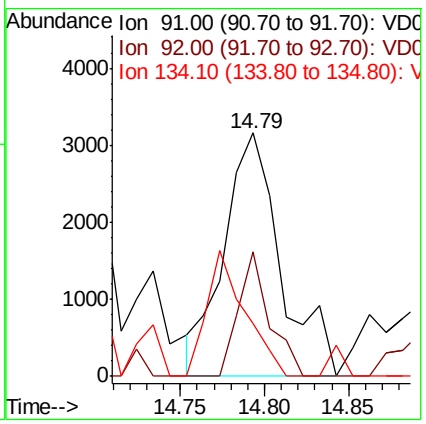


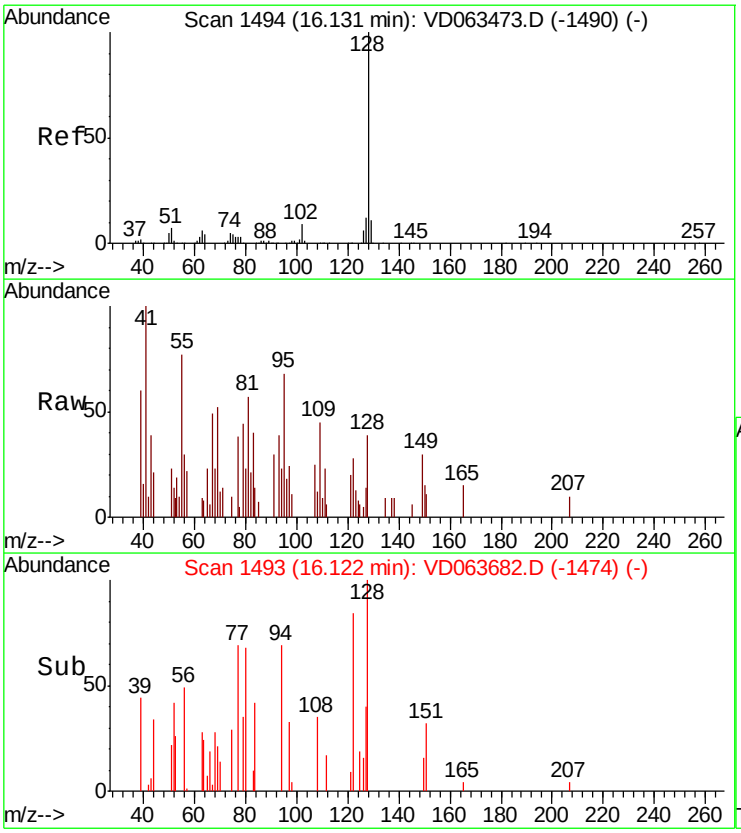
#89
n-Butylbenzene
Concen: 1.171 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.02 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(2)RE

Tgt Ion: 91 Resp: 7413

Ion	Ratio	Lower	Upper
91	100		
92	51.3	30.8	92.3
134	21.9	13.4	40.2





#95
Naphthalene
Concen: 1.087 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063682.D
Acq: 20 Aug 2019 14:06

Tgt Ion:128 Resp: 3776

Ion	Ratio	Lower	Upper
128	100		
127	34.5	9.4	14.0#
129	0.0	8.5	12.7#