Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD053119\
Data File : VD062570.D
Acq On : 31 May 2019 18:09
Operator : VA/AP
Sample : K3097-10
Misc : 5.04g/5ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Quant Time: May 31 23:28:04 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	5931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	8843	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	8306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	3227	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	6228	89.56	ug/l	0.00
Spiked Amount 50.000			Recovery = 179.12%			
35) Dibromofluoromethane	6.93	113	3543	43.97	ug/l	0.00
Spiked Amount 50.000			Recovery = 87.94%			
50) Toluene-d8	10.43	98	6446	36.51	ug/l	0.00
Spiked Amount 50.000			Recovery = 73.02%			
62) 4-Bromofluorobenzene	13.56	95	3520	44.21	ug/l	0.00
Spiked Amount 50.000			Recovery = 88.42%			
Target Compounds						Qvalue
3) Chloromethane	1.77	50	1404	18.838	ug/l #	43
5) Bromomethane	2.16	94	602	35.279	ug/l #	12
6) Chloroethane	2.17	64	233	9.456	ug/l #	2
8) Diethyl Ether	2.81	74	236	16.567	ug/l	65
10) Methyl Iodide	3.35	142	944	12.687	ug/l #	90
13) Acrolein	3.08	56	209	161.713	ug/l #	10
16) Acetone	3.23	43	3755	274.815	ug/l #	60
18) Methyl Acetate	3.58	43	198	8.878	ug/l #	63
25) 2-Butanone	6.21	43	183	14.221	ug/l #	62
29) Tetrahydrofuran	6.07	42	200	34.696	ug/l #	33
36) 1,1-Dichloropropene	7.04	75	180	2.045	ug/l #	41
37) Ethyl Acetate	6.21	43	183	4.931	ug/l #	72
38) Carbon Tetrachloride	7.07	117	395	3.014	ug/l #	15
48) Methyl methacrylate	9.22	41	338	10.987	ug/l #	18
55) 1,1,2-Trichloroethane	11.24	97	844	21.814	ug/l #	16
59) 2-Hexanone	11.65	43	207	9.158	ug/l #	32
67) Ethyl Benzene	12.53	91	1347	4.544	ug/l #	47
68) m/p-Xylenes	12.67	106	1569	15.299	ug/l #	59
73) Isopropylbenzene	13.39	105	380	1.786	ug/l #	52
74) N-amyl acetate	13.28	43	234	4.314	ug/l #	51
78) n-propylbenzene	13.78	91	370	1.509	ug/l #	57
79) 2-Chlorotoluene	13.78	91	370	2.602	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.94	105	348	1.914	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.56	75	1592	143.509	ug/l #	5
82) 4-Chlorotoluene	13.78	91	370	2.174	ug/l #	41
84) 1,2,4-Trimethylbenzene	14.25	105	1943	10.489	ug/l #	53
85) sec-Butylbenzene	14.25	105	1943	9.042	ug/l #	60
89) n-Butylbenzene	14.72	91	256	1.428	ug/l #	30
90) Hexachloroethane	15.10	117	256	4.806	ug/l #	6
95) Naphthalene	16.13	128	663	7.158	ug/l #	71

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
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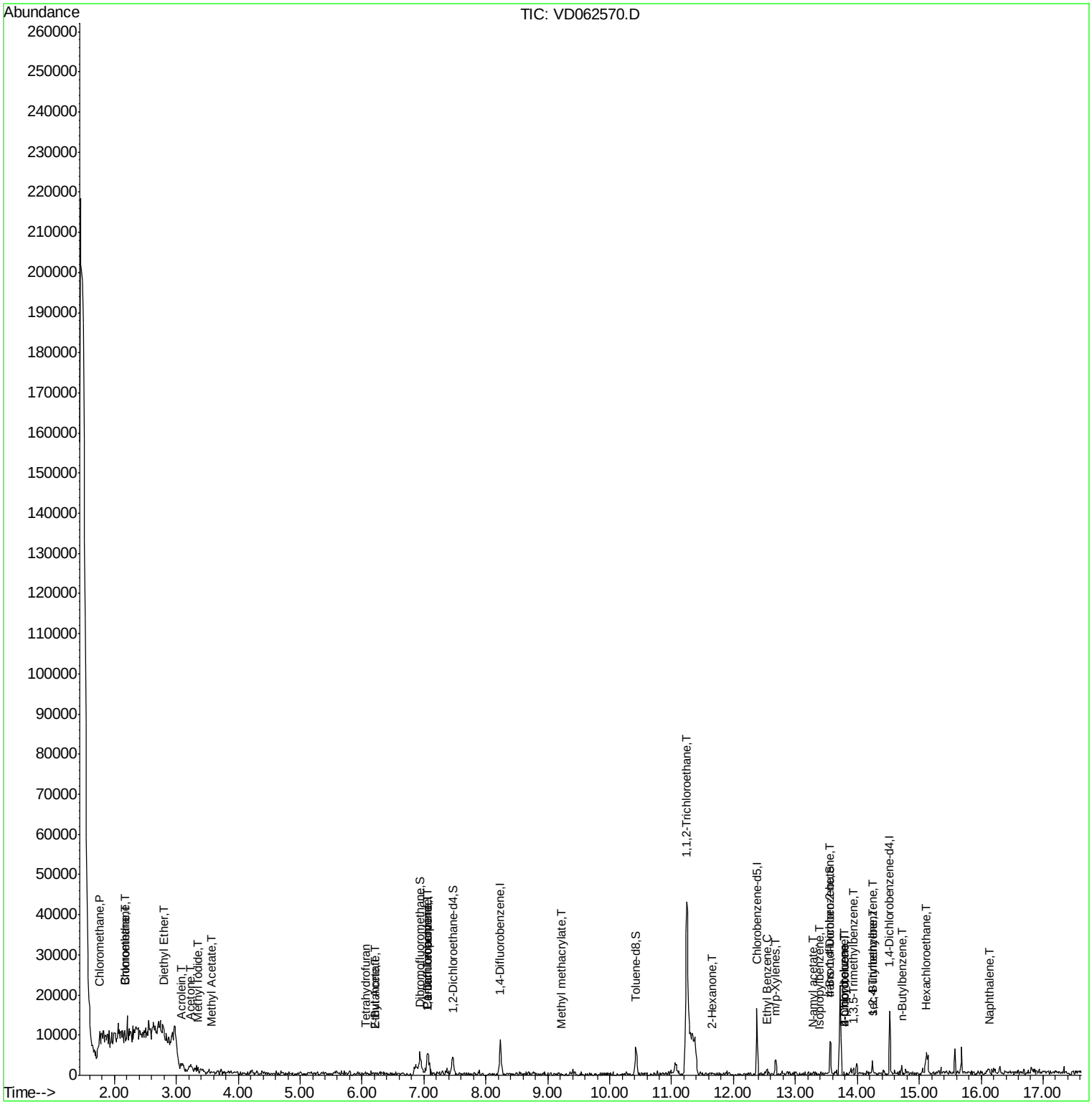
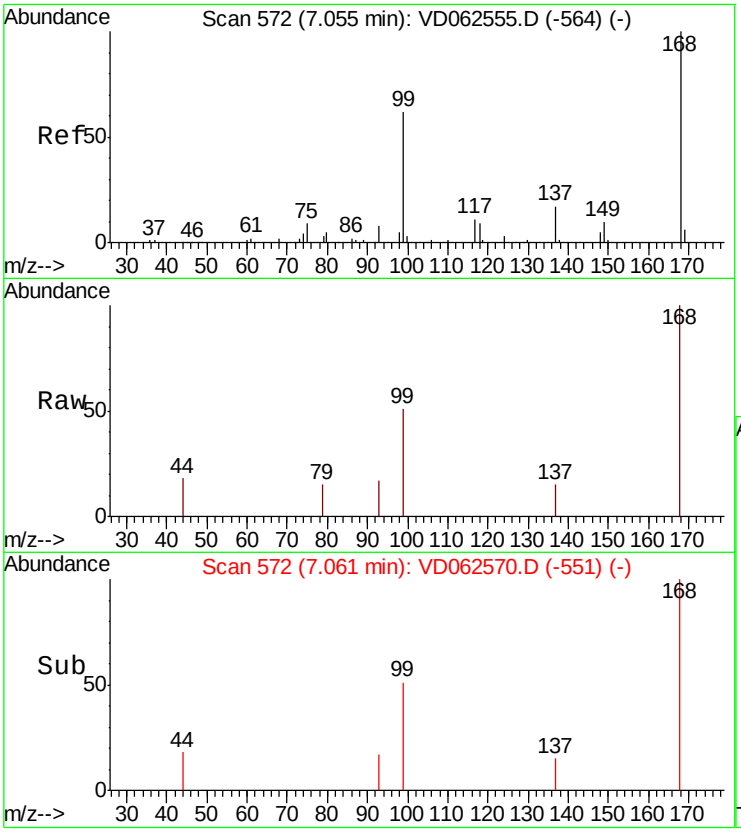
Operator : VA/AP
Sample : K3097-10
Misc : 5.04g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20190430-HR-10

Quant Time: May 31 23:28:04 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



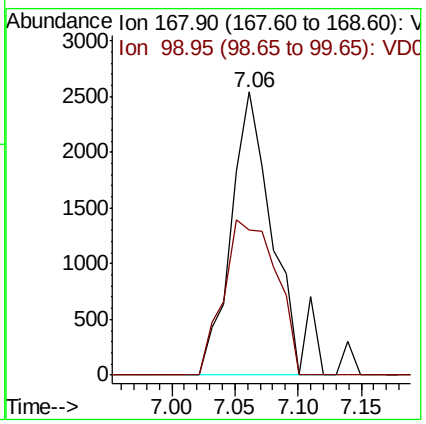


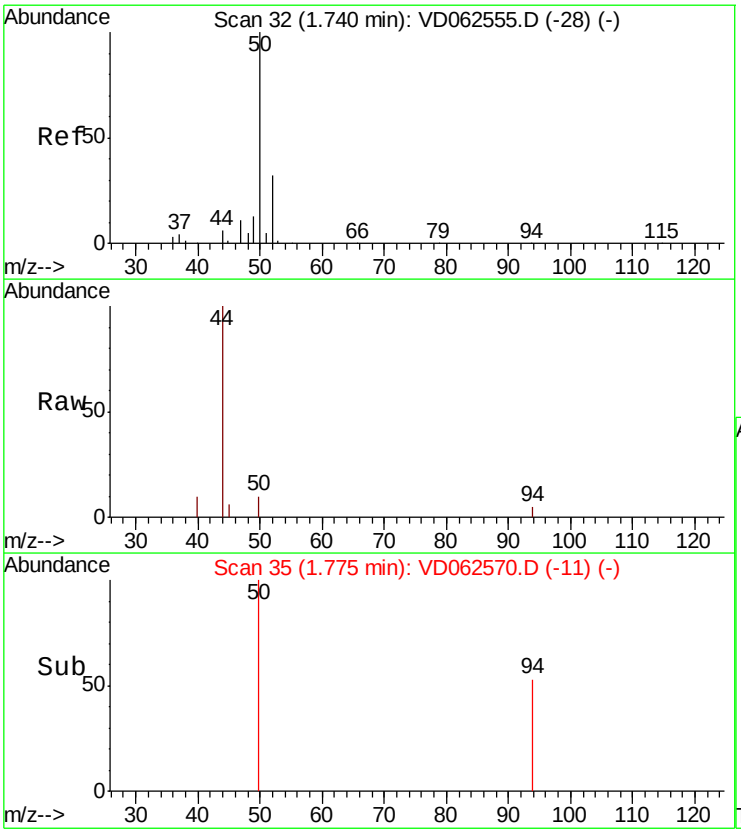
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
20190430-HR-10

Tgt Ion:168 Resp: 5931

Ion	Ratio	Lower	Upper
168	100		
99	51.5	50.8	76.2

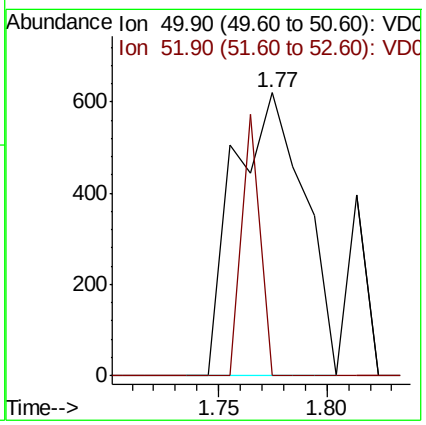


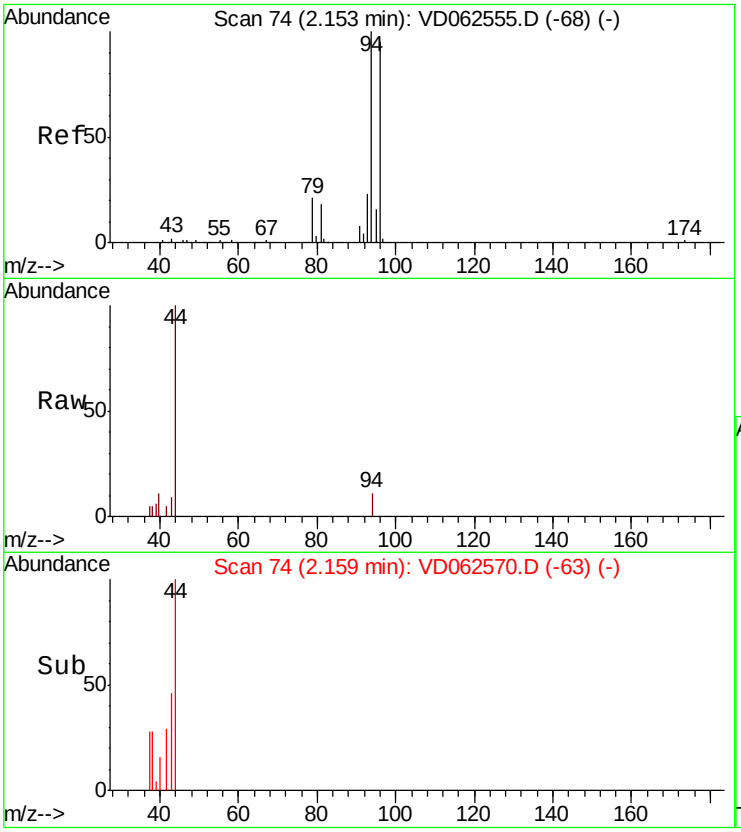


#3
Chloromethane
Concen: 18.838 ug/l
RT: 1.77 min Scan# 35
Delta R.T. 0.04 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 50 Resp: 1404

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.4	38.2#



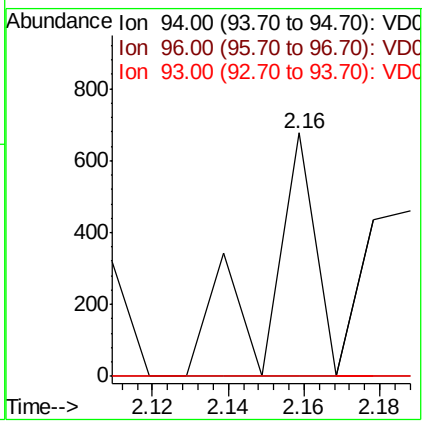


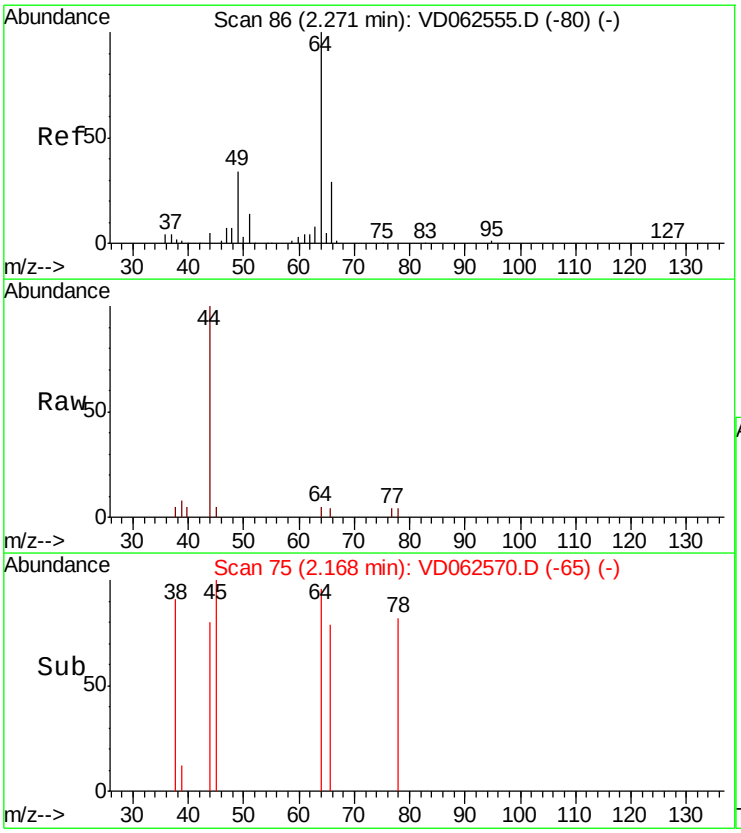
#5
Bromomethane
Concen: 35.279 ug/l
RT: 2.16 min Scan# 74
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
20190430-HR-10

Tgt Ion: 94 Resp: 602

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

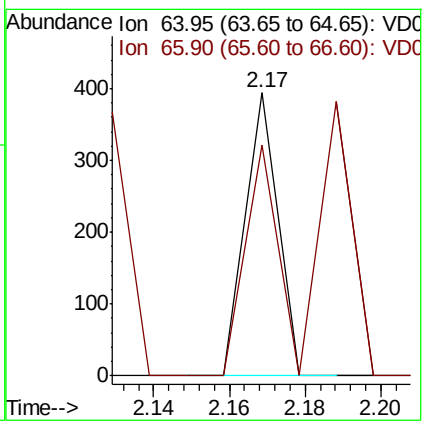


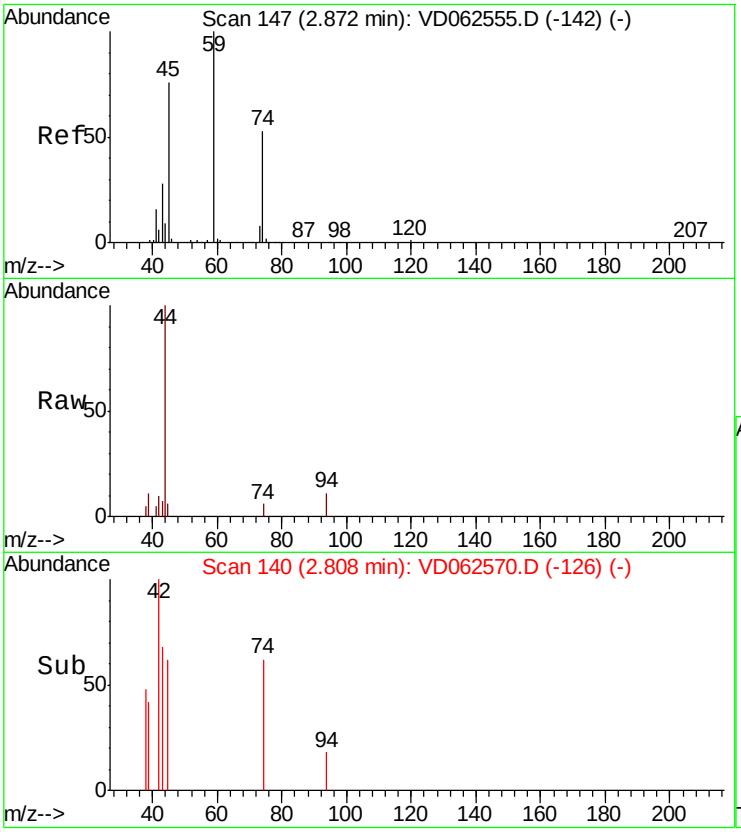


#6
Chloroethane
Concen: 9.456 ug/l
RT: 2.17 min Scan# 75
Delta R.T. -0.10 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 64 Resp: 233

Ion	Ratio	Lower	Upper
64	100		
66	81.7	23.4	35.2#



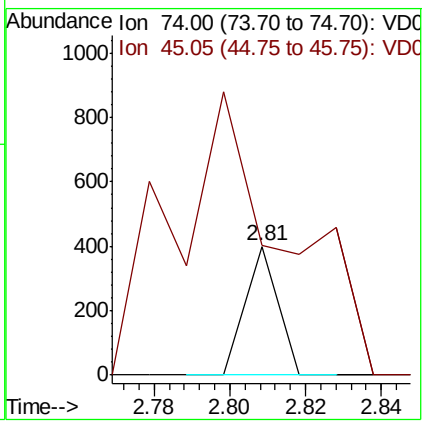


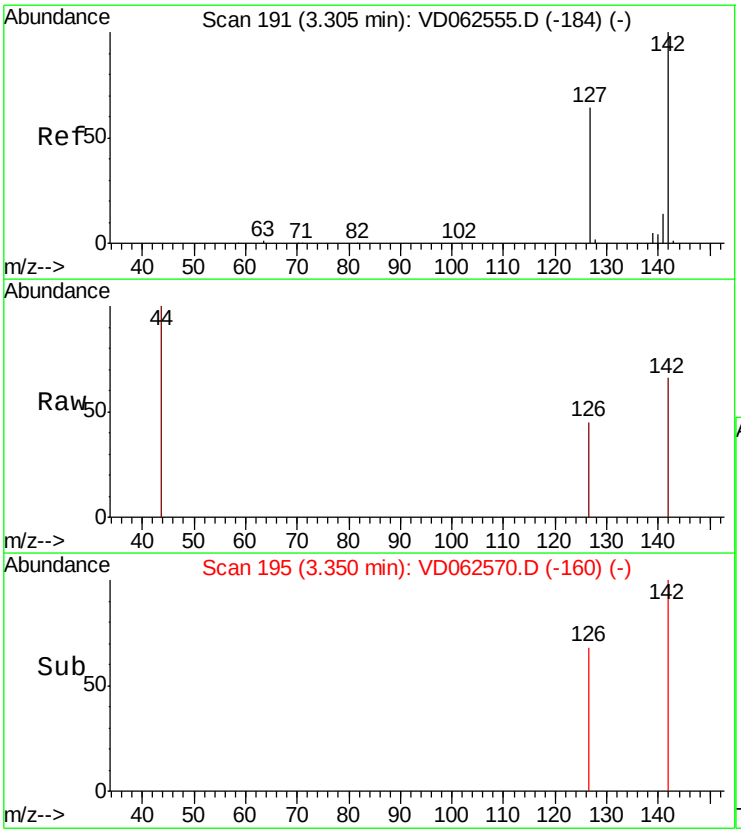
#8
Diethyl Ether
Concen: 16.567 ug/l
RT: 2.81 min Scan# 140
Delta R.T. -0.06 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
20190430-HR-10

Tgt Ion: 74 Resp: 236

Ion	Ratio	Lower	Upper
74	100		
45	100.3	71.9	215.7

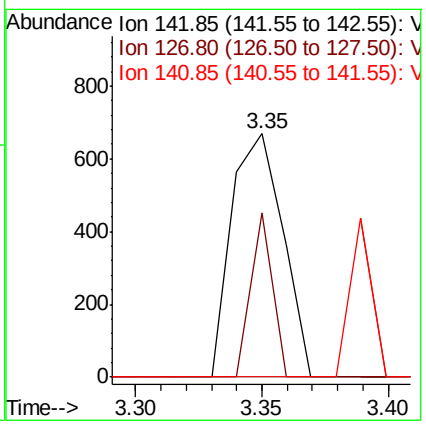


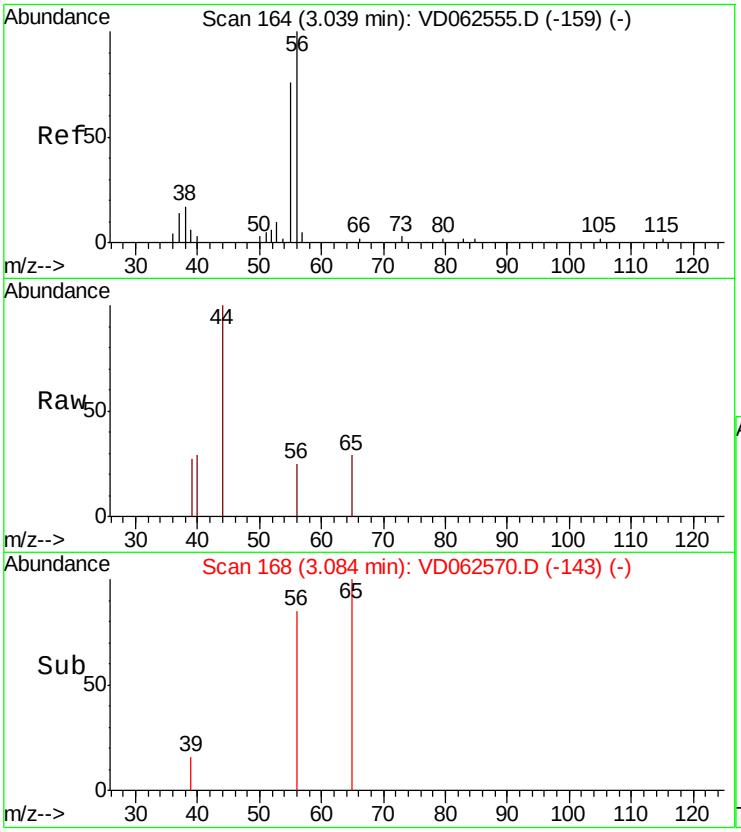


#10
Methyl Iodide
Concen: 12.687 ug/l
RT: 3.35 min Scan# 195
Delta R.T. 0.04 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion:142 Resp: 944

Ion	Ratio	Lower	Upper
142	100		
127	67.7	51.2	76.8
141	0.0	11.0	16.4#



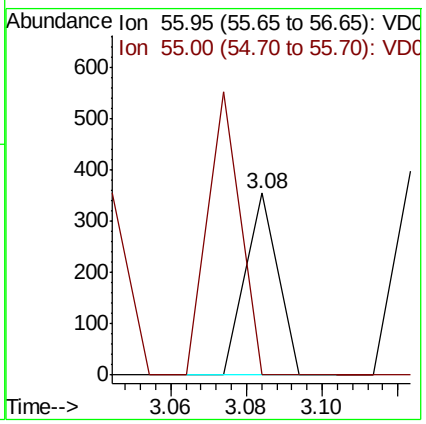


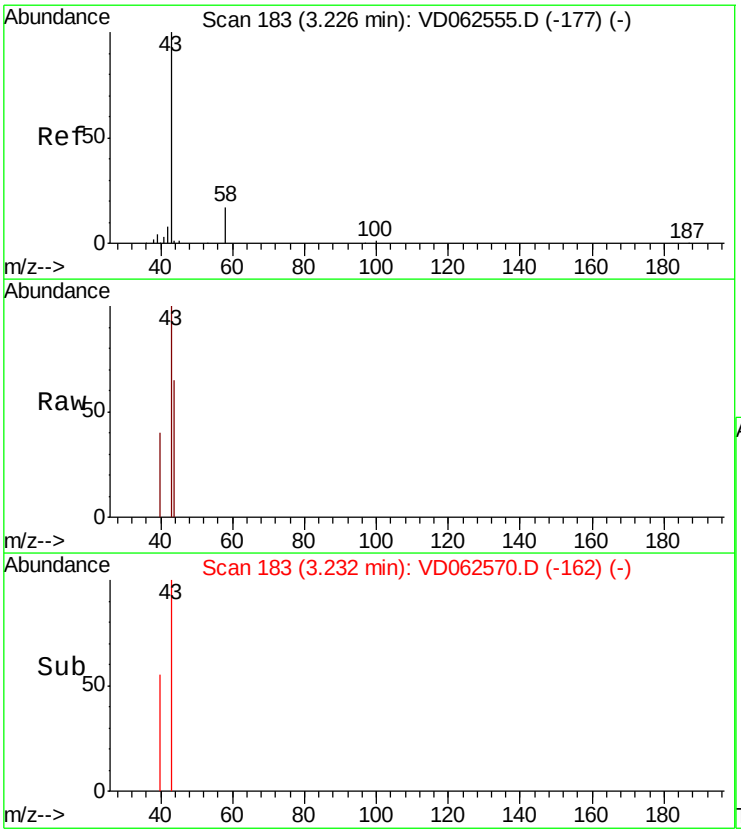
#13
Acrolein
Concen: 161.713 ug/l
RT: 3.08 min Scan# 168
Delta R.T. 0.05 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Tgt Ion: 56 Resp: 209

Ion	Ratio	Lower	Upper
56	100		
55	0.0	62.6	93.8#

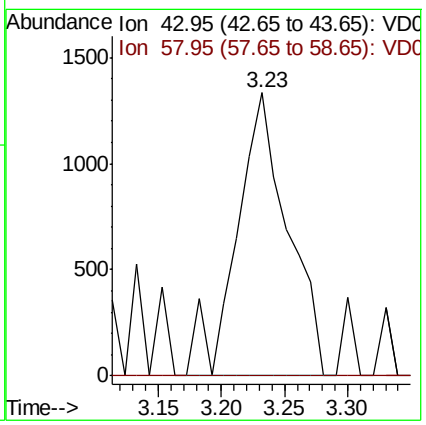


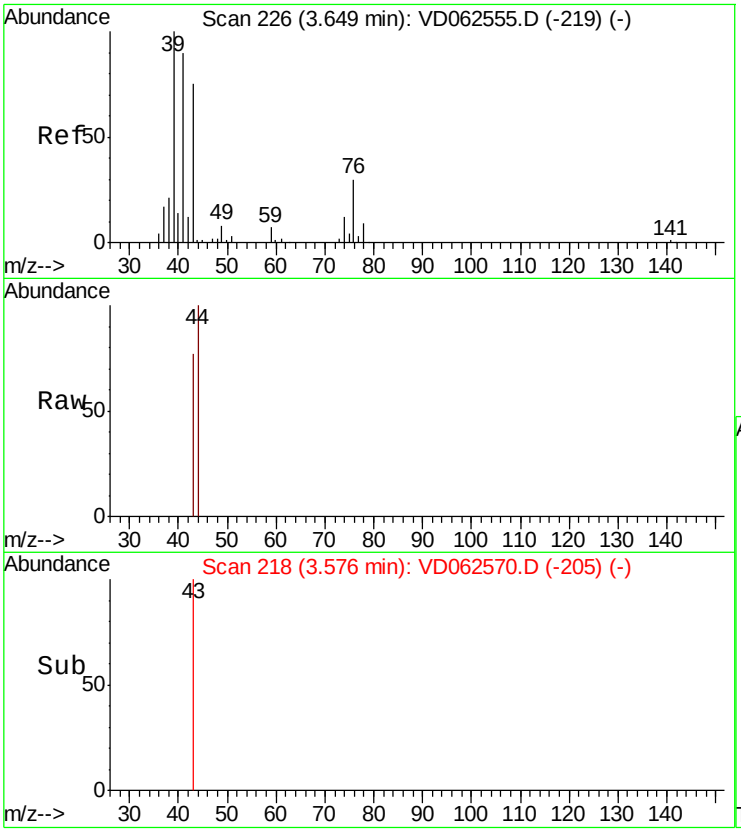


#16
Acetone
Concen: 274.815 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 43 Resp: 3755

Ion	Ratio	Lower	Upper
43	100		
58	0.0	13.8	20.8#



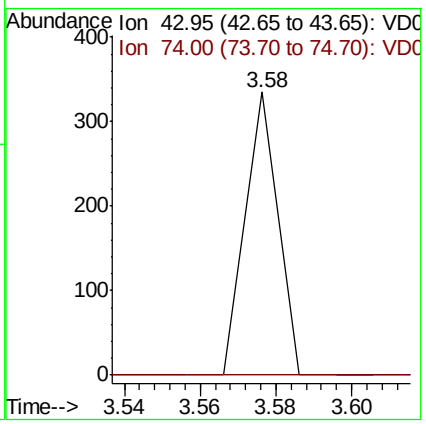


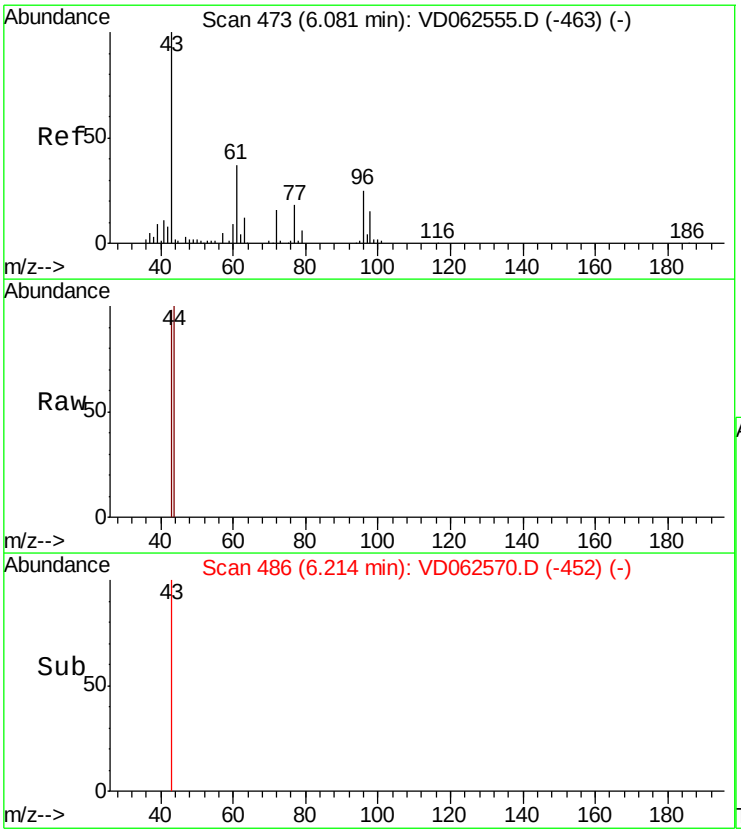
#18
Methyl Acetate
Concen: 8.878 ug/l
RT: 3.58 min Scan# 218
Delta R.T. -0.07 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Tgt Ion: 43 Resp: 198

Ion	Ratio	Lower	Upper
43	100		
74	0.0	12.5	18.7#

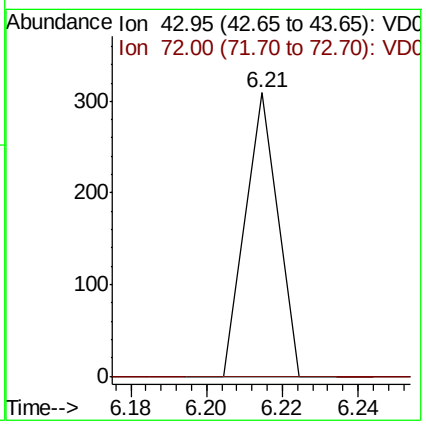


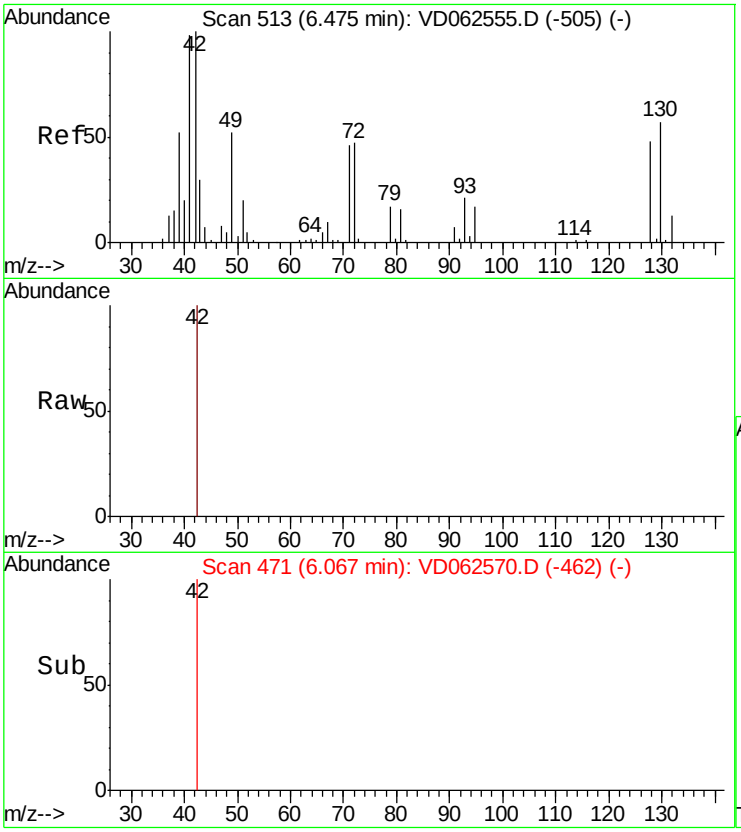


#25
2-Butanone
Concen: 14.221 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.13 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 43 Resp: 183

Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.7	19.1#



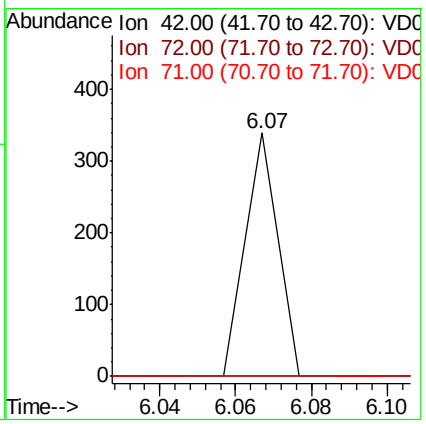


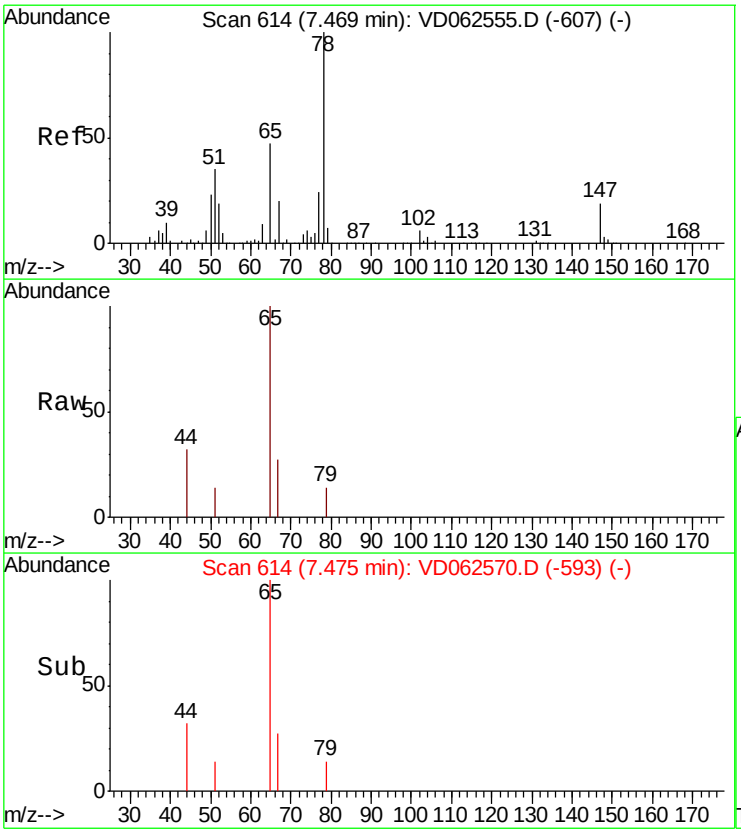
#29
Tetrahydrofuran
Concen: 34.696 ug/l
RT: 6.07 min Scan# 471
Delta R.T. -0.41 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
20190430-HR-10

Tgt Ion: 42 Resp: 200

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

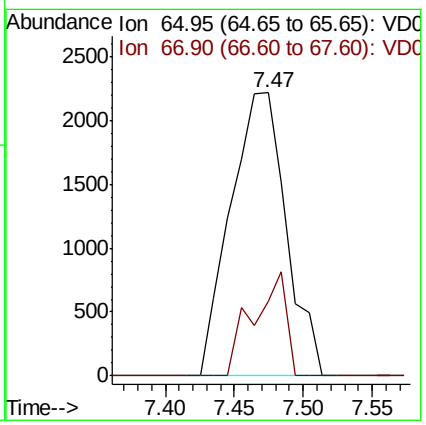


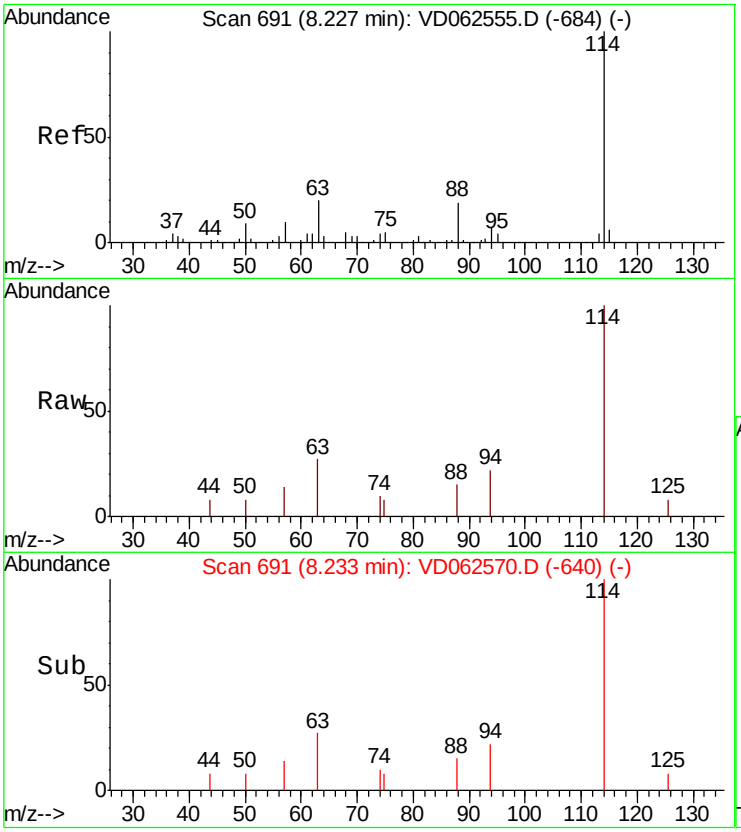


#33
1,2-Dichloroethane-d4
Concen: 89.556 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 65 Resp: 6228

Ion	Ratio	Lower	Upper
65	100		
67	26.5	0.0	83.6



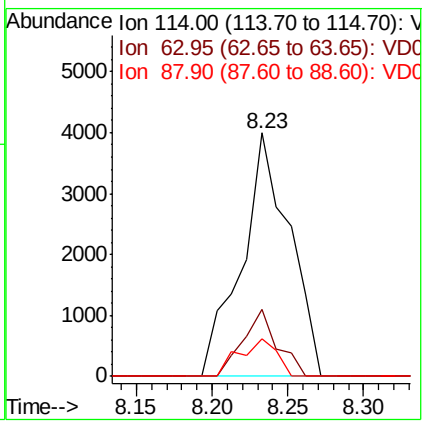


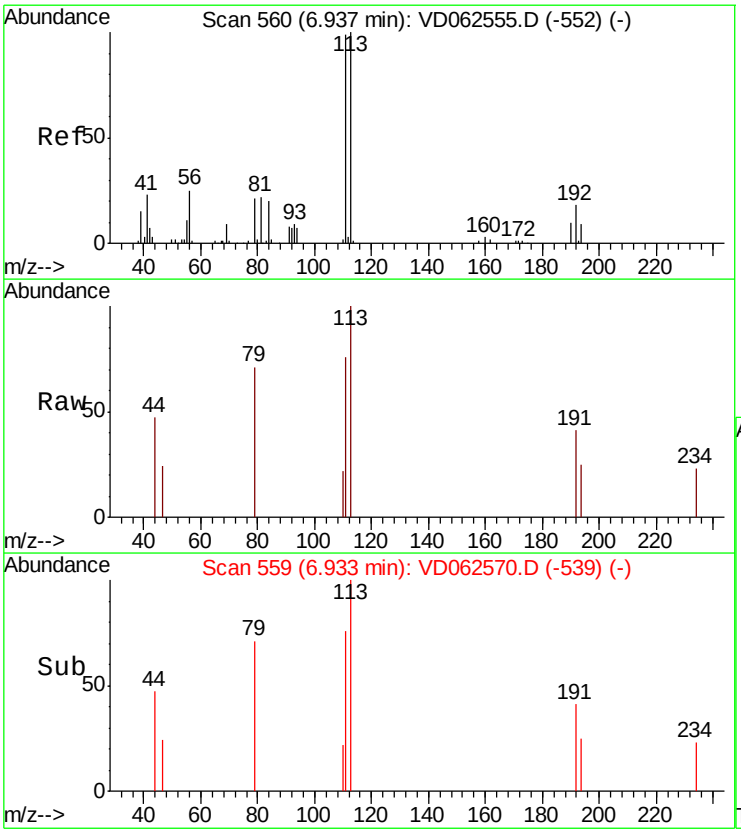
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 691
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
20190430-HR-10

Tgt Ion:114 Resp: 8843

Ion	Ratio	Lower	Upper
114	100		
63	27.3	0.0	40.6
88	15.2	0.0	37.6

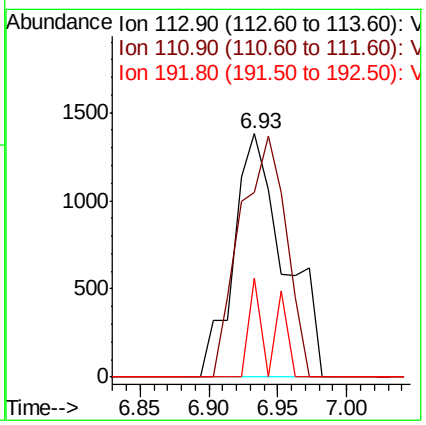


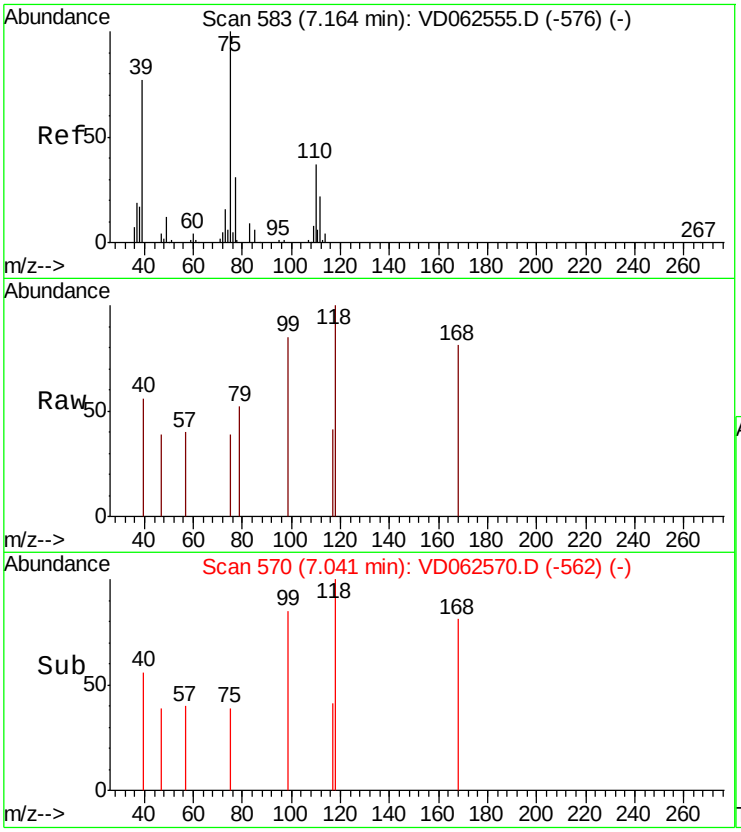


#35
Dibromofluoromethane
Concen: 43.967 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion:113 Resp: 3543

Ion	Ratio	Lower	Upper
113	100		
111	76.1	78.8	118.2#
192	40.9	14.6	22.0#



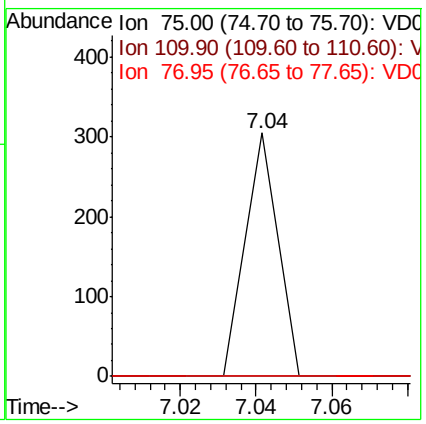


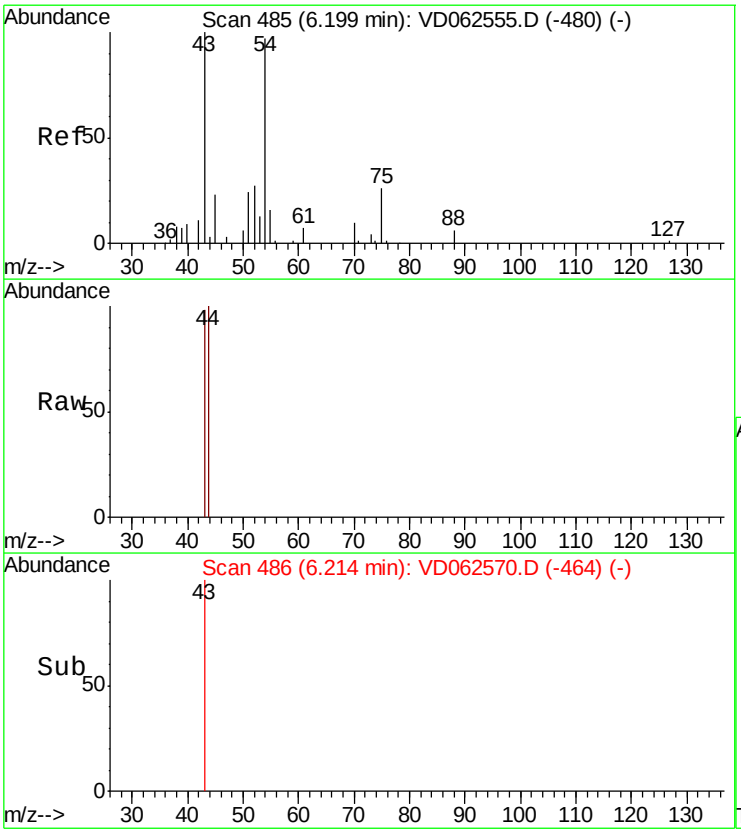
#36
1,1-Dichloropropene
Concen: 2.045 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.12 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Tgt Ion: 75 Resp: 180

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

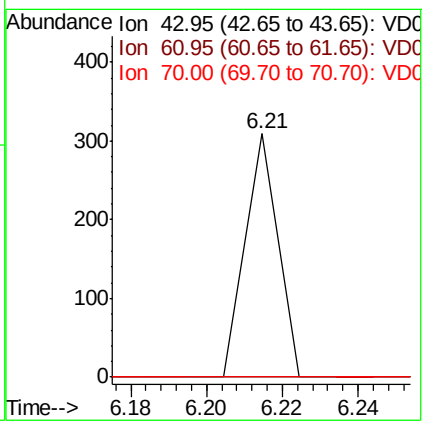


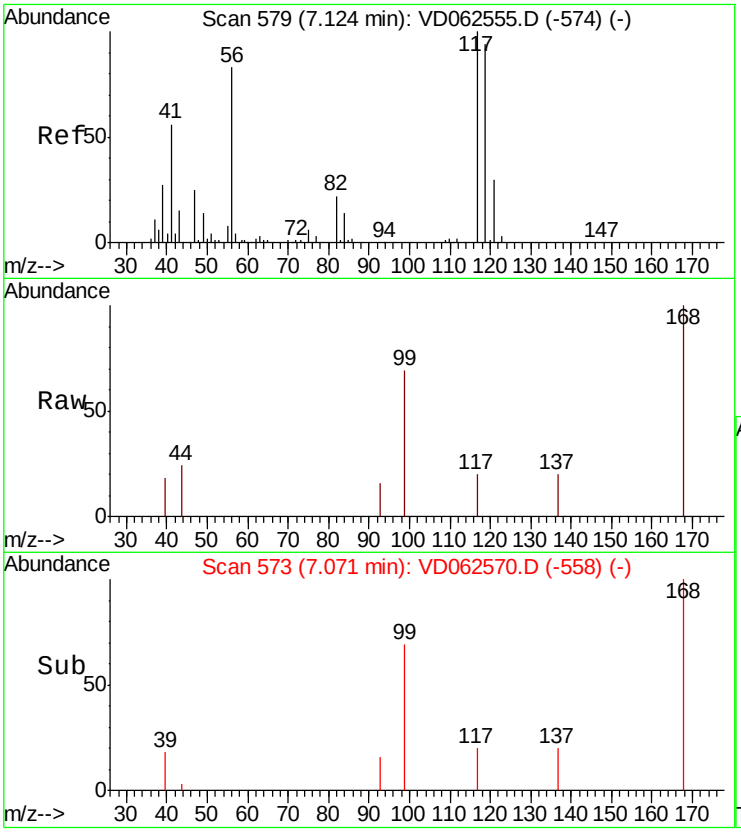


#37
Ethyl Acetate
Concen: 4.931 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.02 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 43 Resp: 183

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



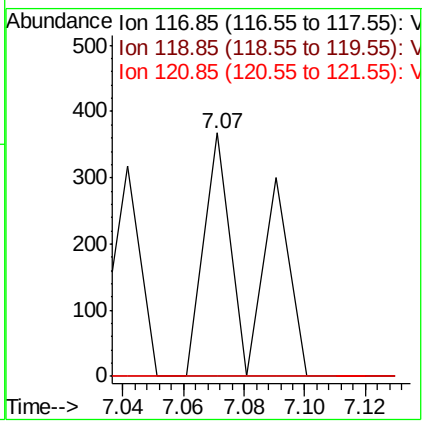


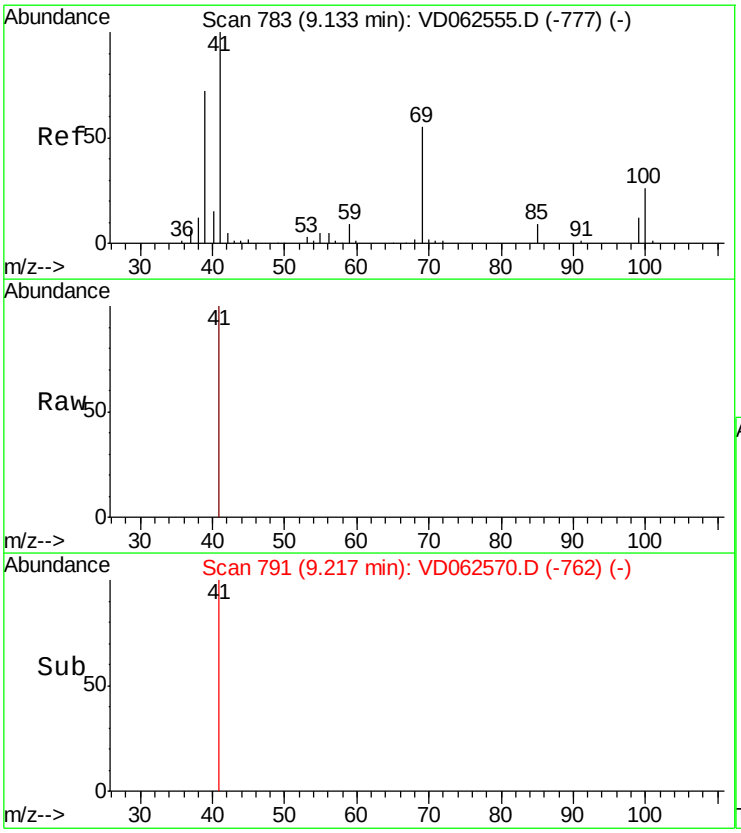
#38
Carbon Tetrachloride
Concen: 3.014 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.05 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
20190430-HR-10

Tgt Ion:117 Resp: 395

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

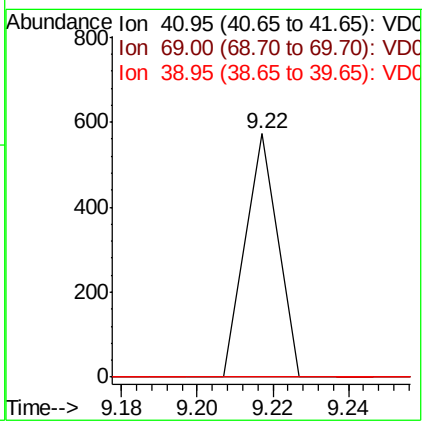


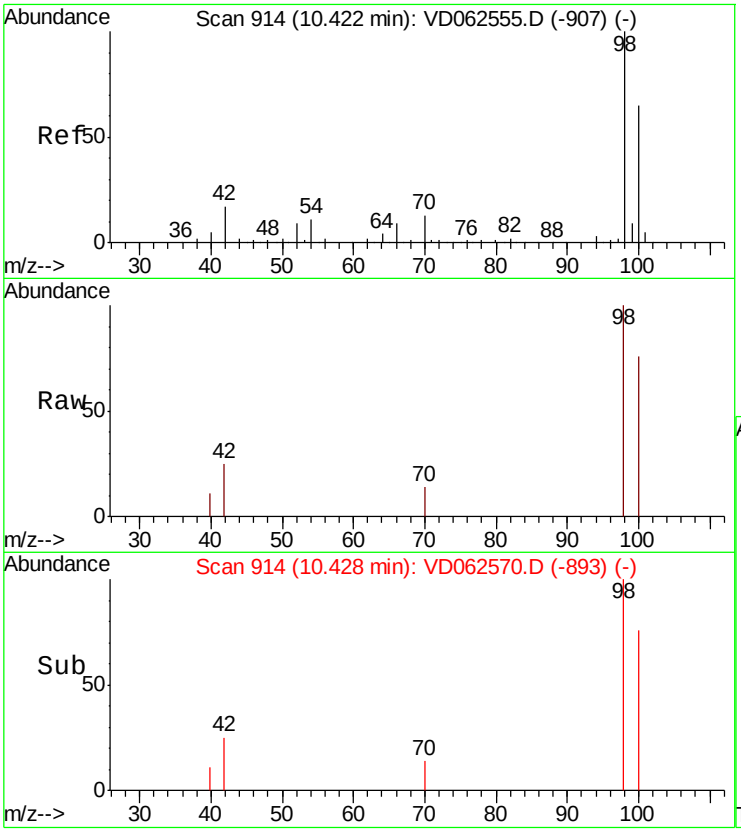


#48
Methyl methacrylate
Concen: 10.987 ug/l
RT: 9.22 min Scan# 791
Delta R.T. 0.08 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 41 Resp: 338

Ion	Ratio	Lower	Upper
41	100		
69	0.0	43.6	65.4#
39	0.0	58.1	87.1#



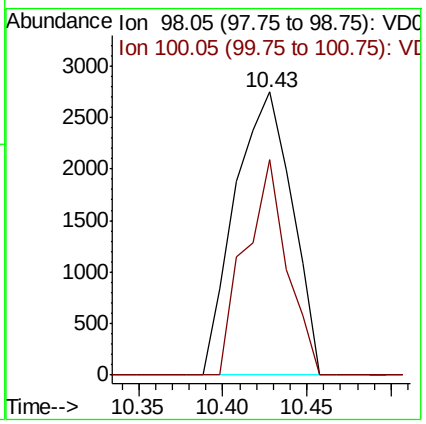


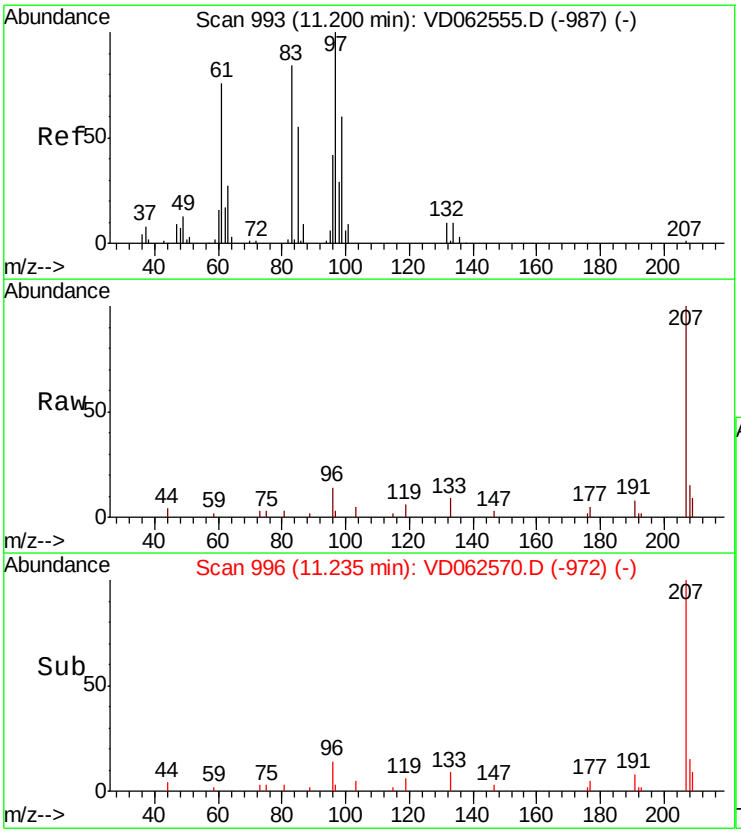
#50
Toluene-d8
Concen: 36.509 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Tgt Ion: 98 Resp: 6446

Ion	Ratio	Lower	Upper
98	100		
100	76.0	52.3	78.5

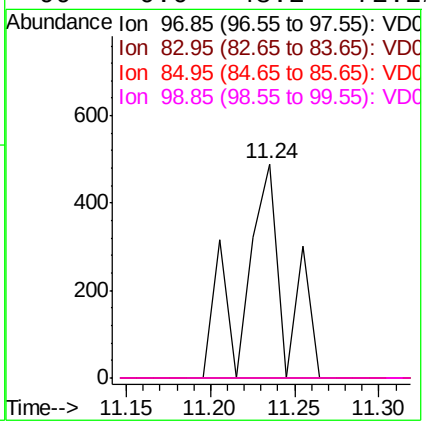


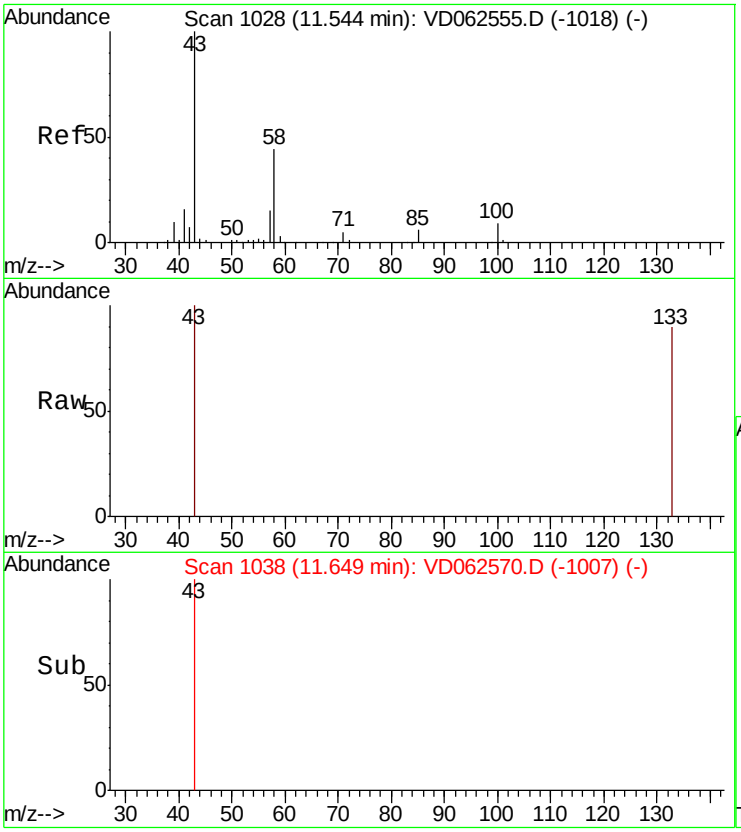


#55
1,1,2-Trichloroethane
Concen: 21.814 ug/l
RT: 11.24 min Scan# 996
Delta R.T. 0.04 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 97 Resp: 844

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#



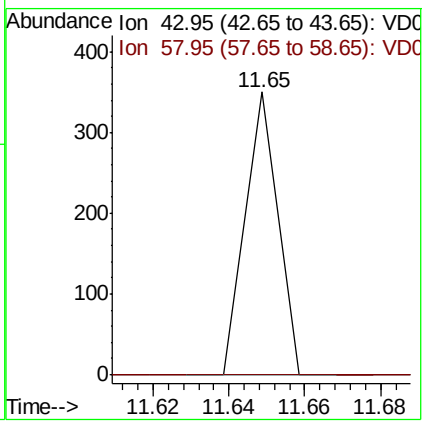


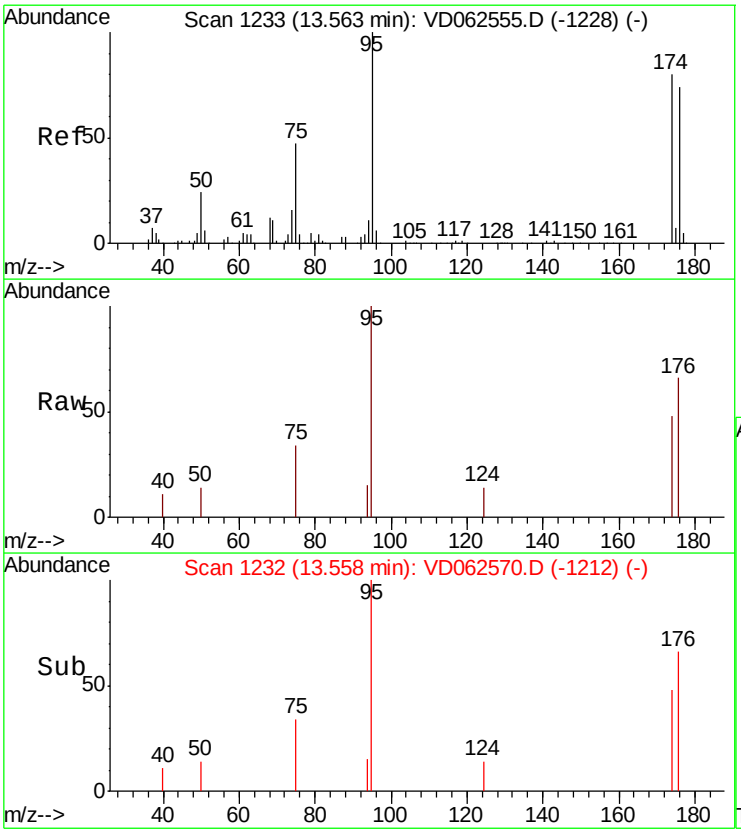
#59
2-Hexanone
Concen: 9.158 ug/l
RT: 11.65 min Scan# 1038
Delta R.T. 0.10 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Tgt Ion: 43 Resp: 207

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.0	66.0#

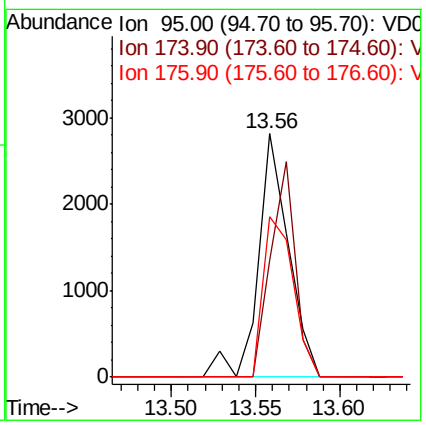


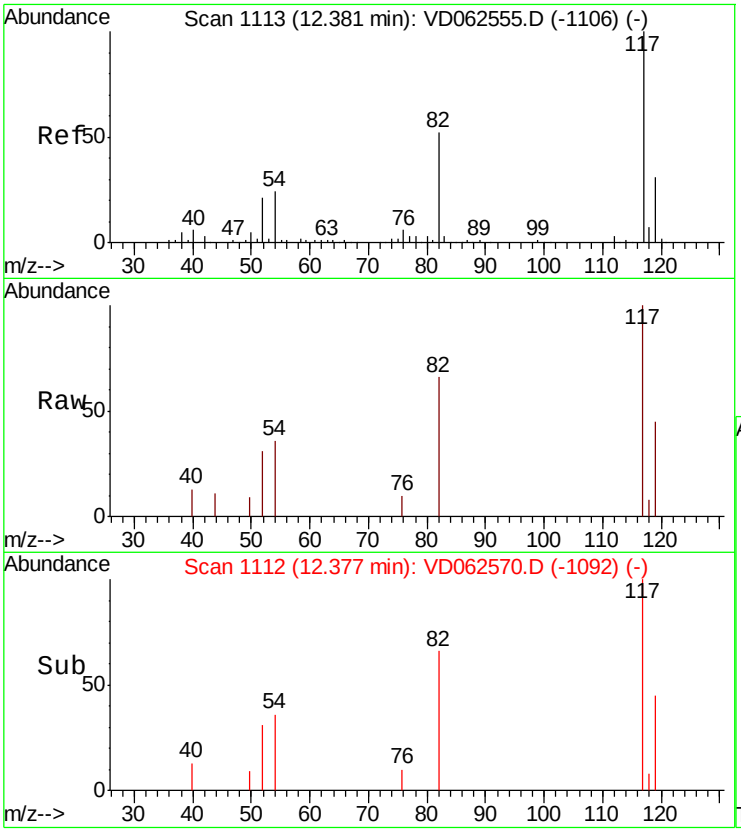


#62
4-Bromofluorobenzene
Concen: 44.208 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 95 Resp: 3520

Ion	Ratio	Lower	Upper
95	100		
174	48.1	0.0	160.2
176	66.0	0.0	148.0



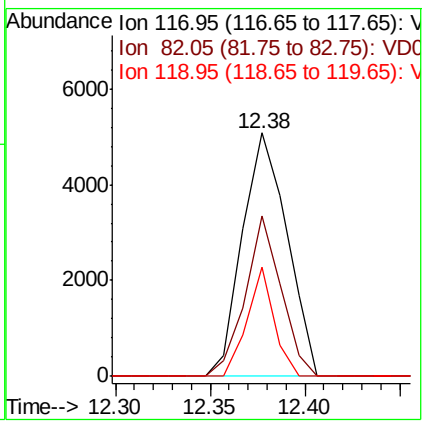


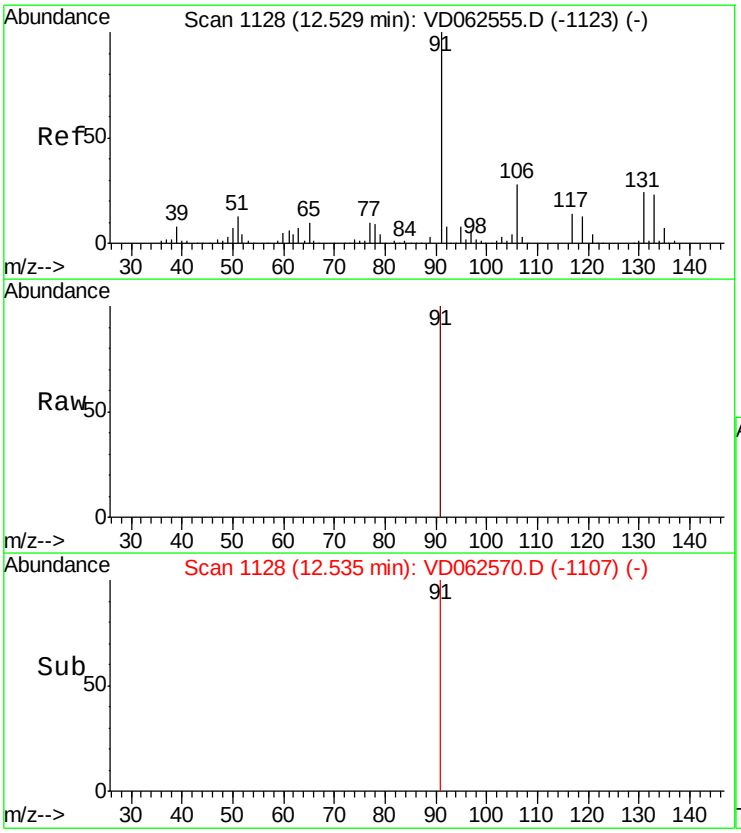
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Tgt Ion:117 Resp: 8306

Ion	Ratio	Lower	Upper
117	100		
82	66.1	41.4	62.2#
119	44.6	24.9	37.3#

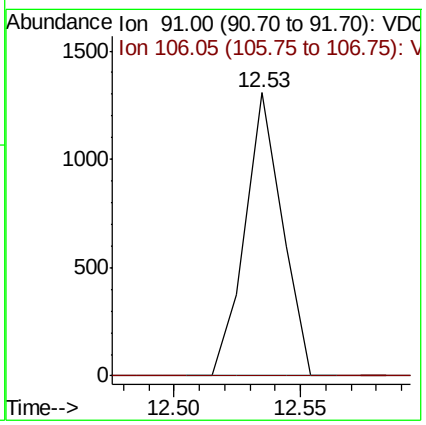


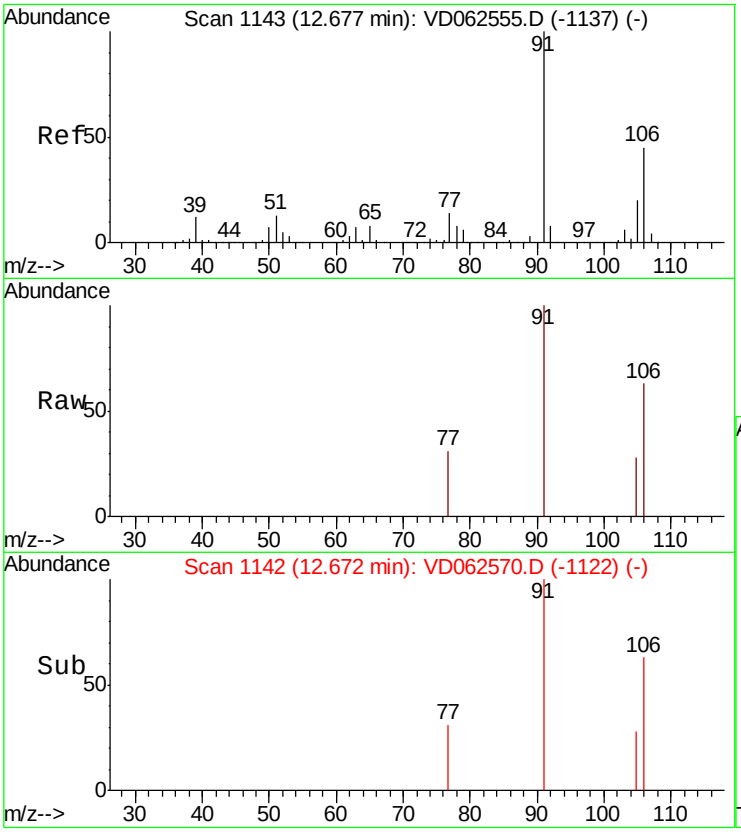


#67
Ethyl Benzene
Concen: 4.544 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 91 Resp: 1347

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.2	33.2#



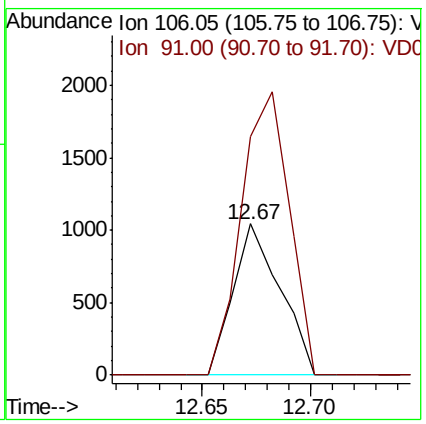


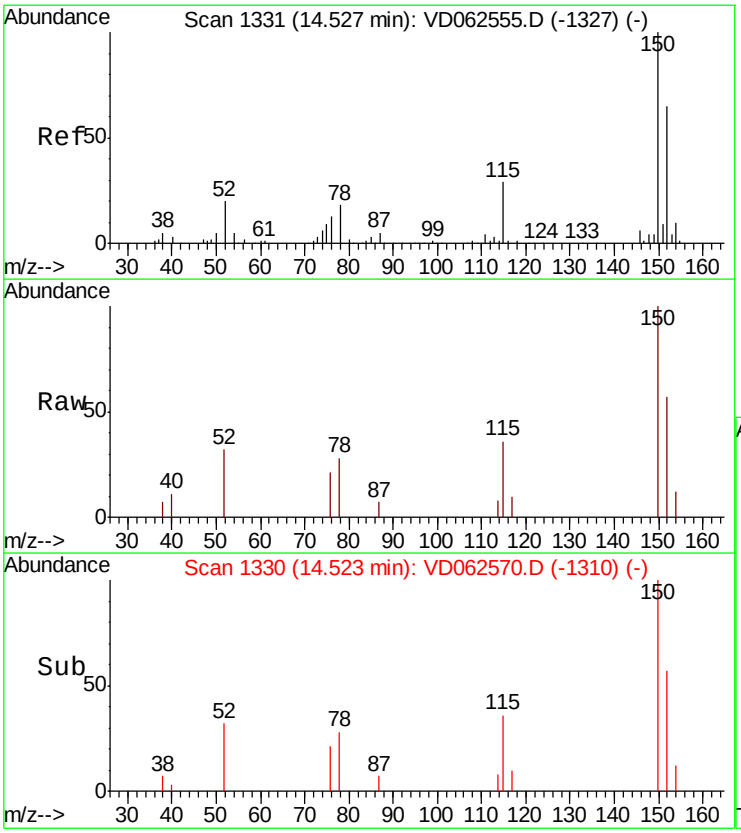
#68
m/p-Xylenes
Concen: 15.299 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Tgt Ion:106 Resp: 1569

Ion	Ratio	Lower	Upper
106	100		
91	157.6	178.9	268.3#

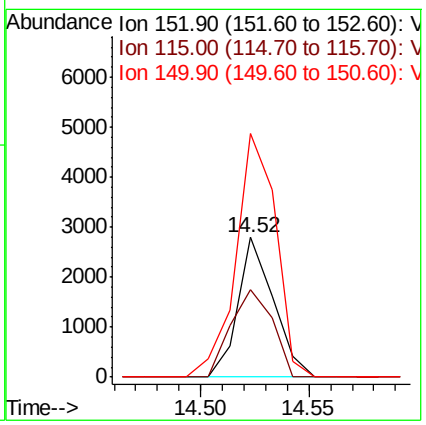


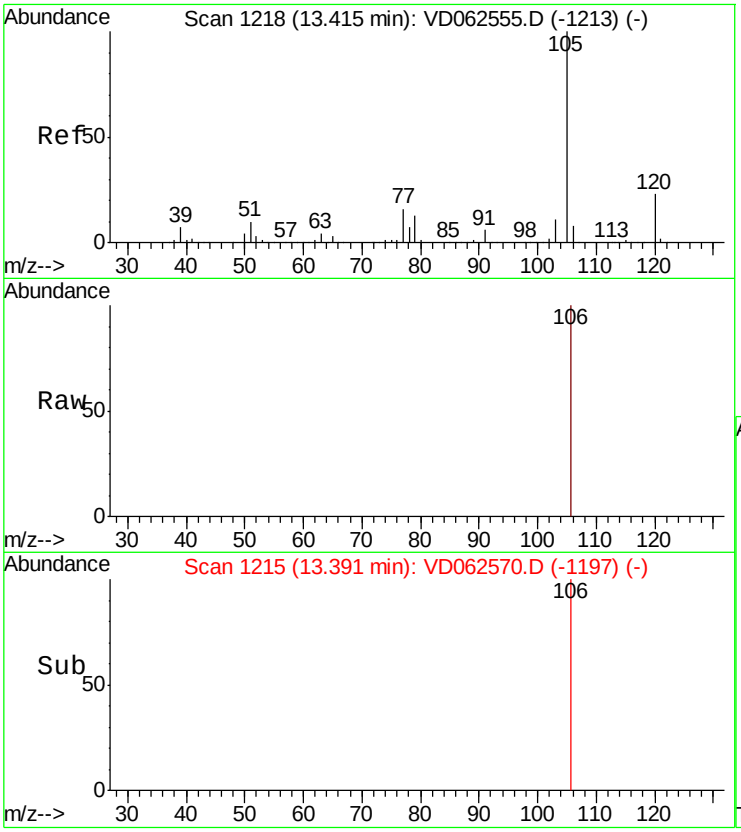


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion:152 Resp: 3227

Ion	Ratio	Lower	Upper
152	100		
115	62.5	28.4	85.3
150	174.1	0.0	310.4



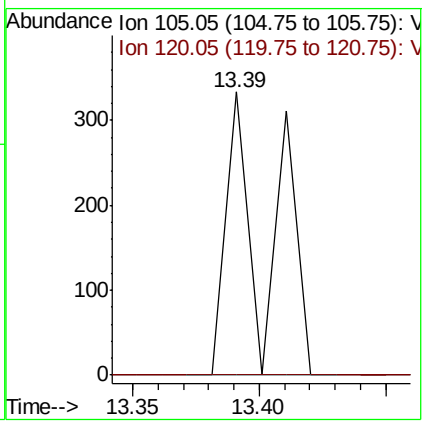


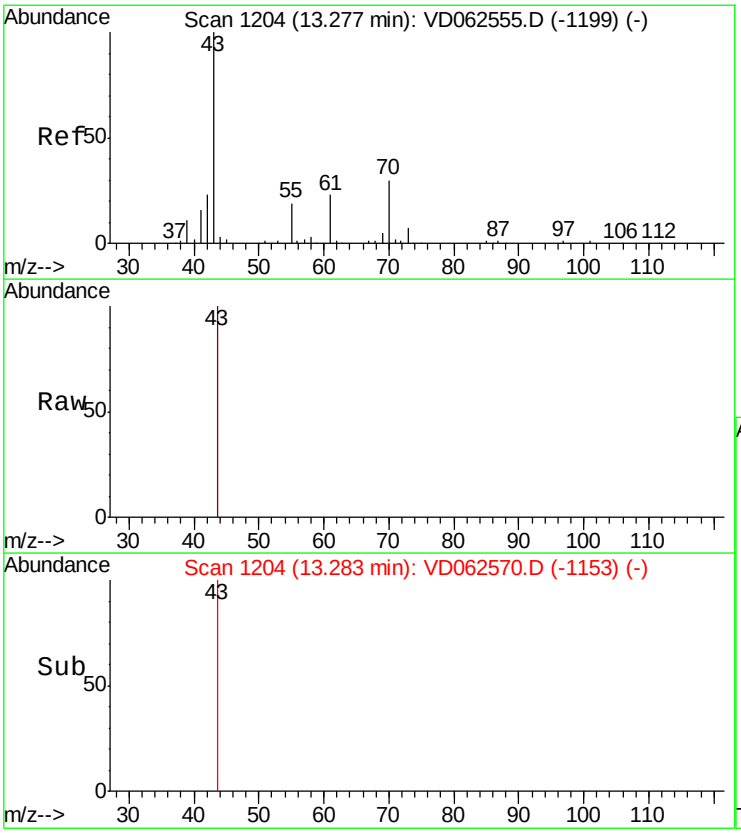
#73
Isopropylbenzene
Concen: 1.786 ug/l
RT: 13.39 min Scan# 1215
Delta R.T. -0.02 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Tgt Ion:105 Resp: 380

Ion	Ratio	Lower	Upper
105	100		
120	0.0	11.6	34.8#

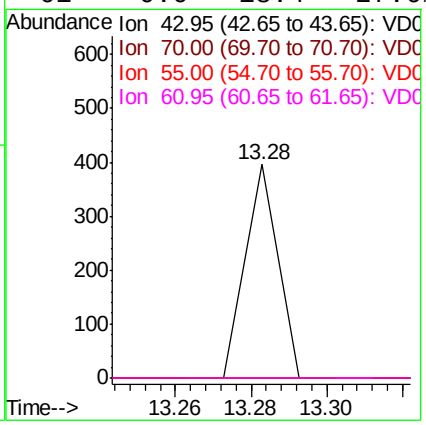


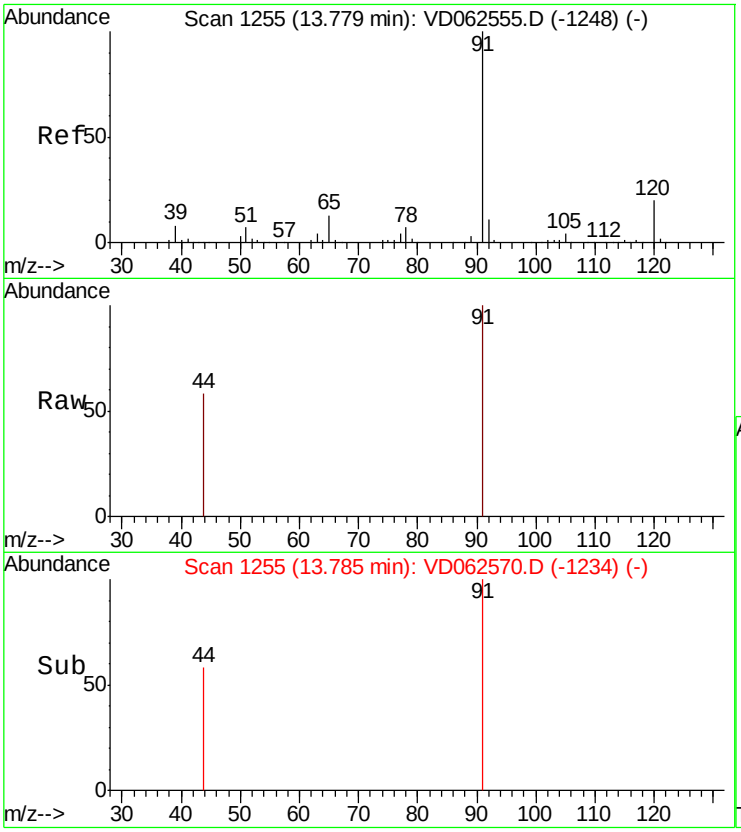


#74
N-amyl acetate
Concen: 4.314 ug/l
RT: 13.28 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 43 Resp: 234

Ion	Ratio	Lower	Upper
43	100		
70	0.0	23.7	35.5#
55	0.0	15.0	22.4#
61	0.0	18.4	27.6#



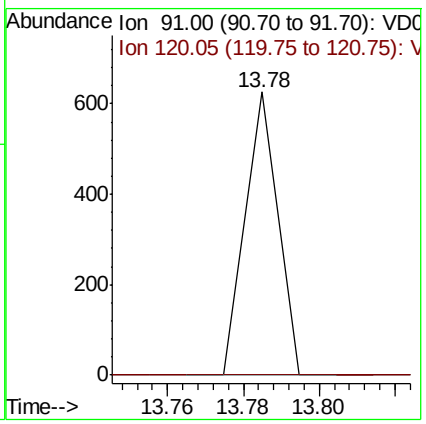


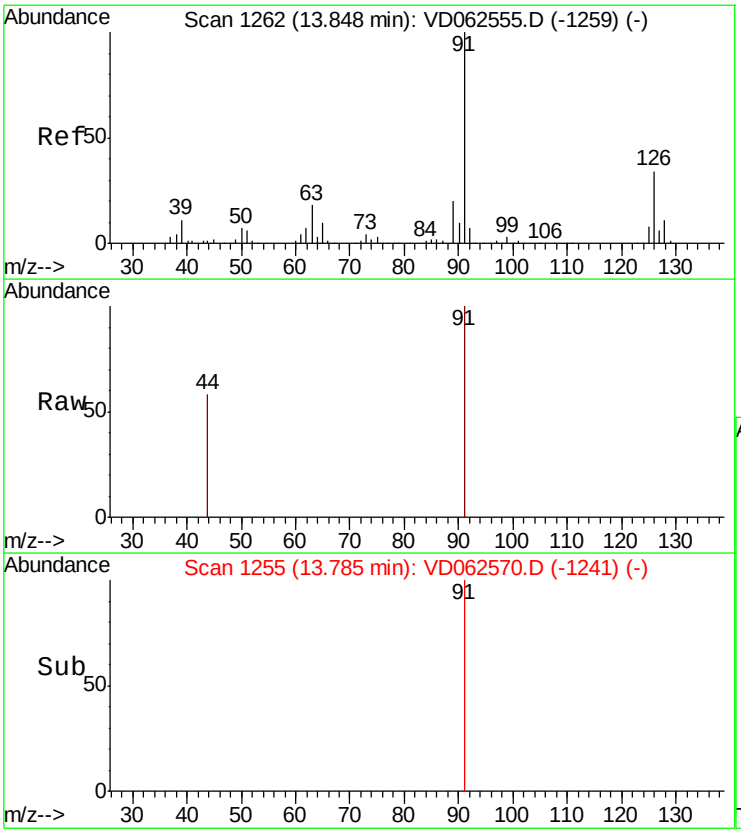
#78
n-propylbenzene
Concen: 1.509 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Tgt Ion: 91 Resp: 370

Ion	Ratio	Lower	Upper
91	100		
120	0.0	10.0	29.8#

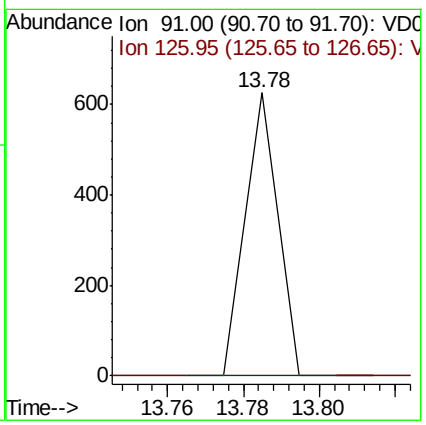


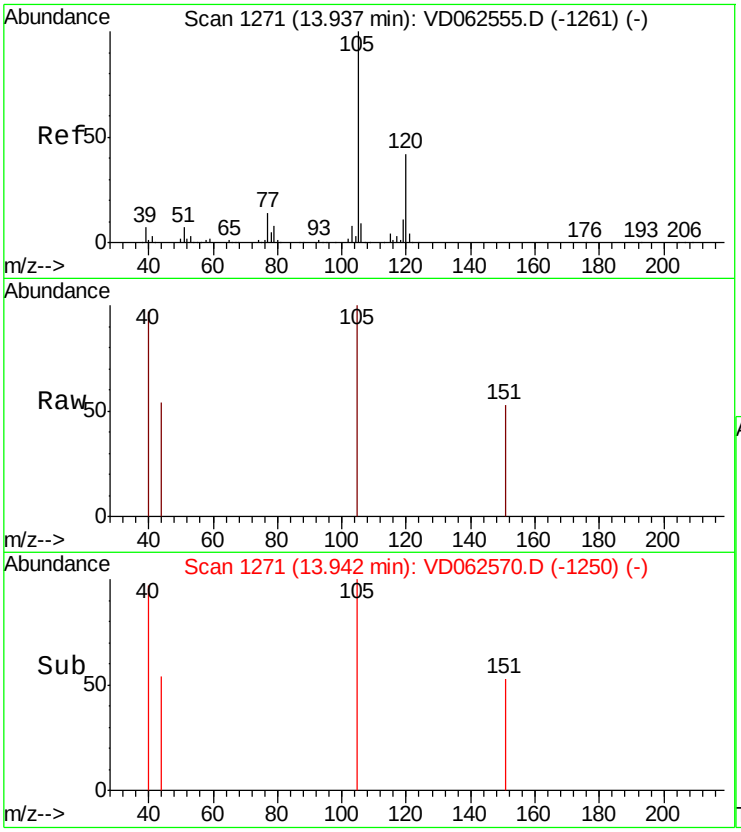


#79
2-Chlorotoluene
Concen: 2.602 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.06 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 91 Resp: 370

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.7	50.1#



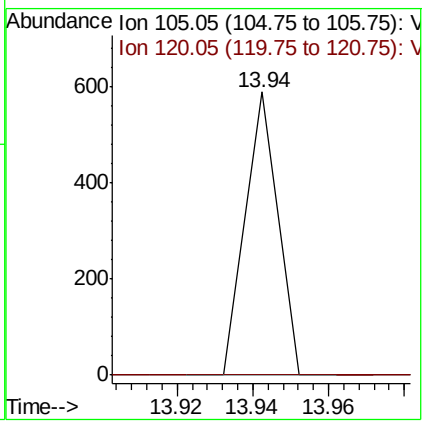


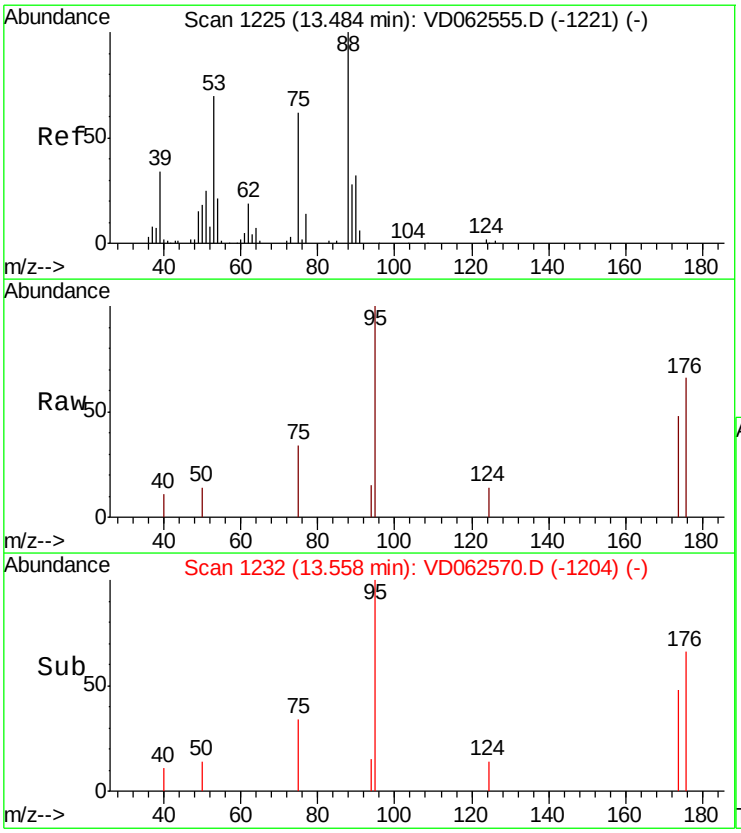
#80
1,3,5-Trimethylbenzene
Concen: 1.914 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
20190430-HR-10

Tgt Ion:105 Resp: 348

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.8	62.5#

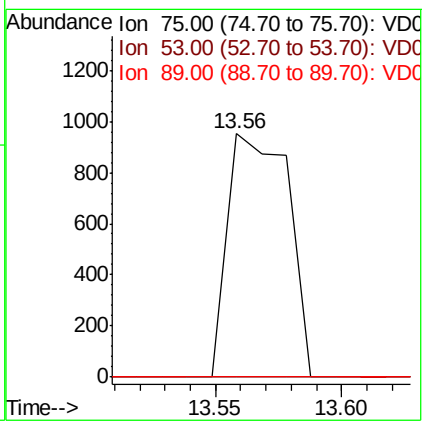


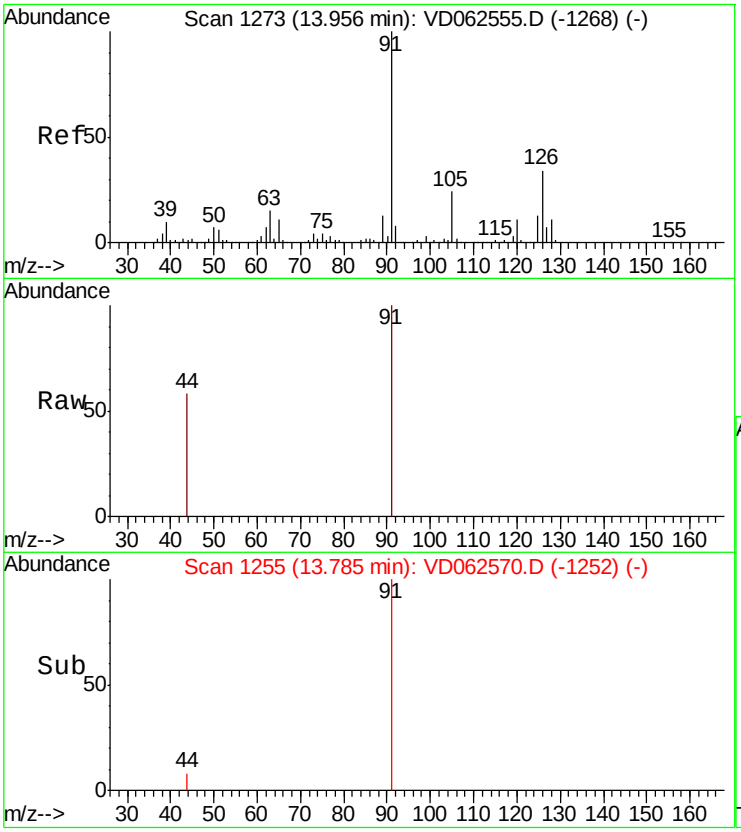


#81
trans-1,4-Dichloro-2-butene
Concen: 143.509 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 75 Resp: 1592

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



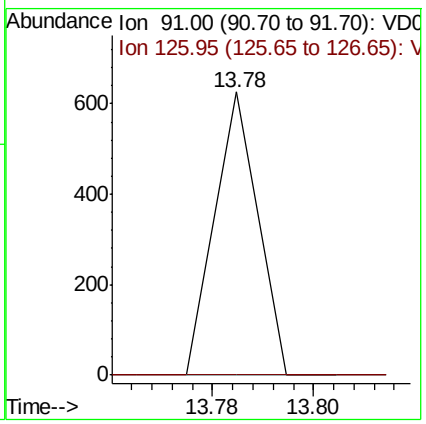


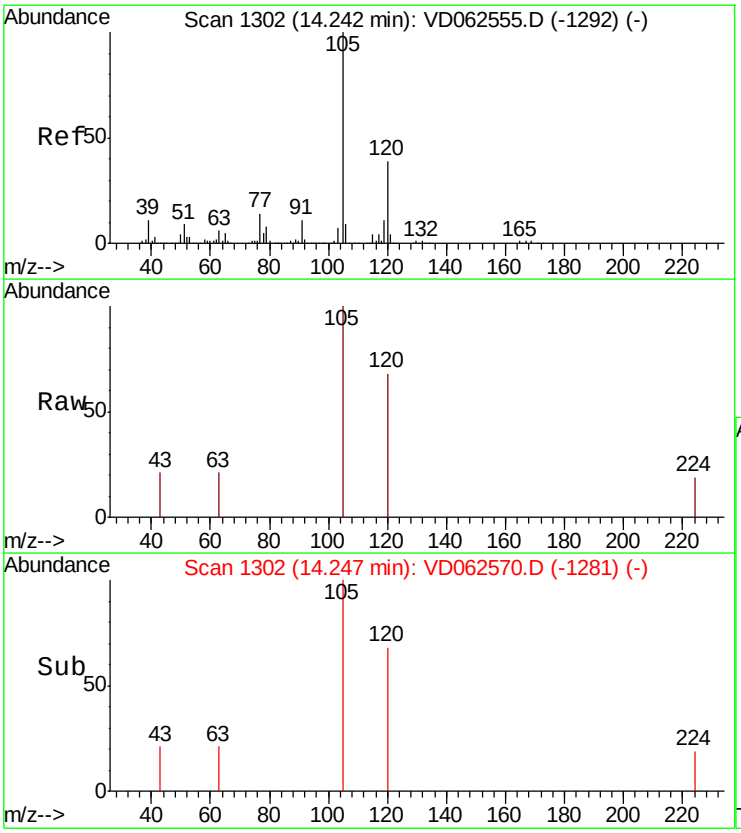
#82
4-Chlorotoluene
Concen: 2.174 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.17 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument : MSVOA_D
ClientSampleId : 20190430-HR-10

Tgt Ion: 91 Resp: 370

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.9	50.7#

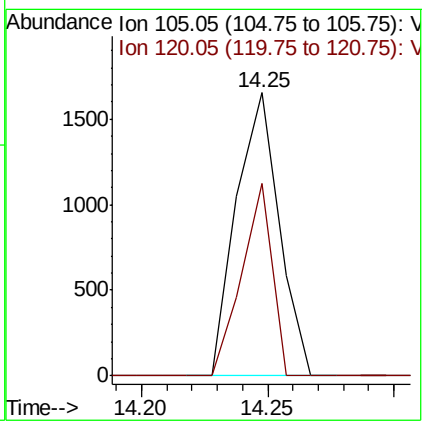


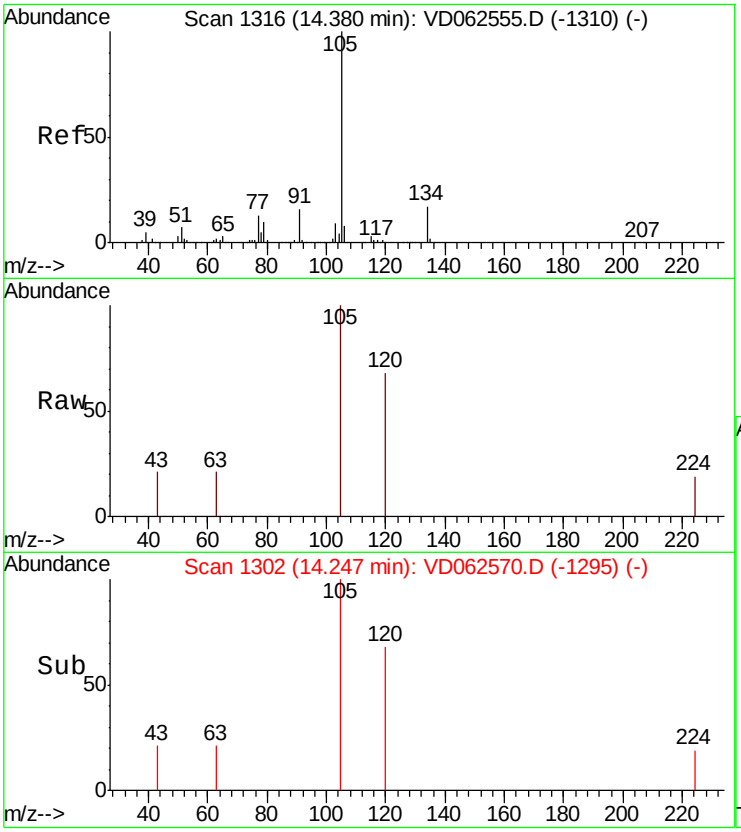


#84
1,2,4-Trimethylbenzene
Concen: 10.489 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion:105 Resp: 1943

Ion	Ratio	Lower	Upper
105	100		
120	68.1	19.6	58.8#



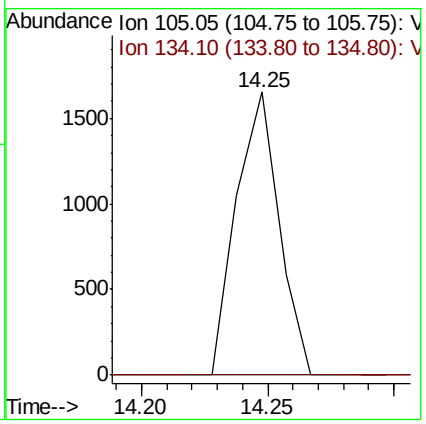


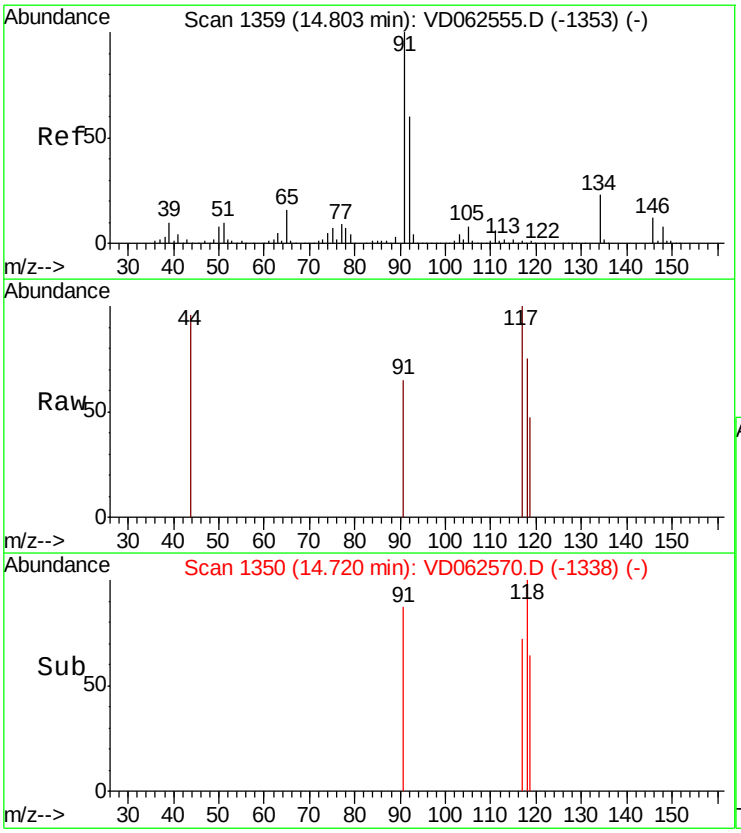
#85
sec-Butylbenzene
Concen: 9.042 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. -0.13 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
20190430-HR-10

Tgt Ion:105 Resp: 1943

Ion	Ratio	Lower	Upper
105	100		
134	0.0	8.7	26.1#

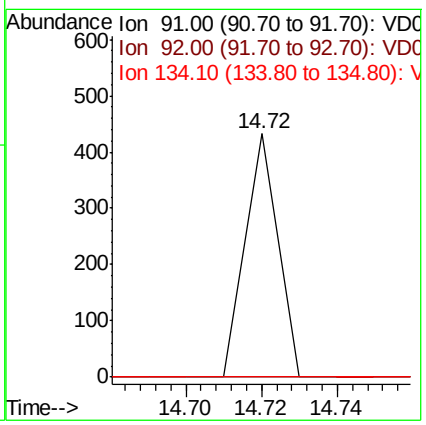


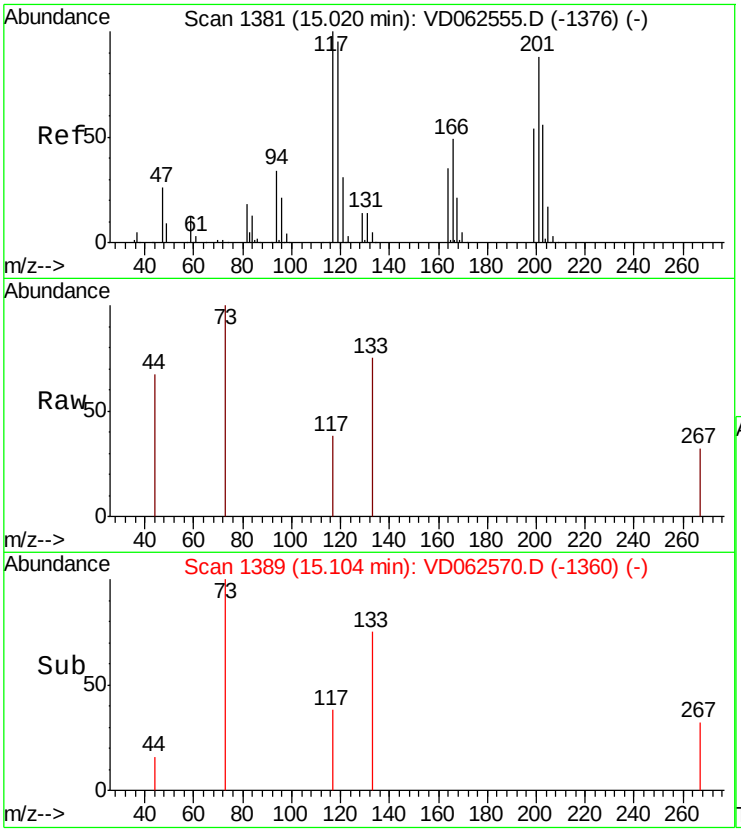


#89
n-Butylbenzene
Concen: 1.428 ug/l
RT: 14.72 min Scan# 1350
Delta R.T. -0.08 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion: 91 Resp: 256

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



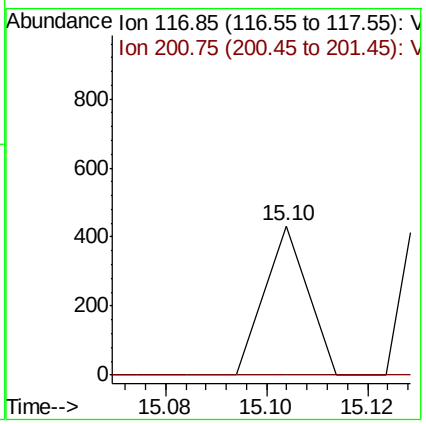


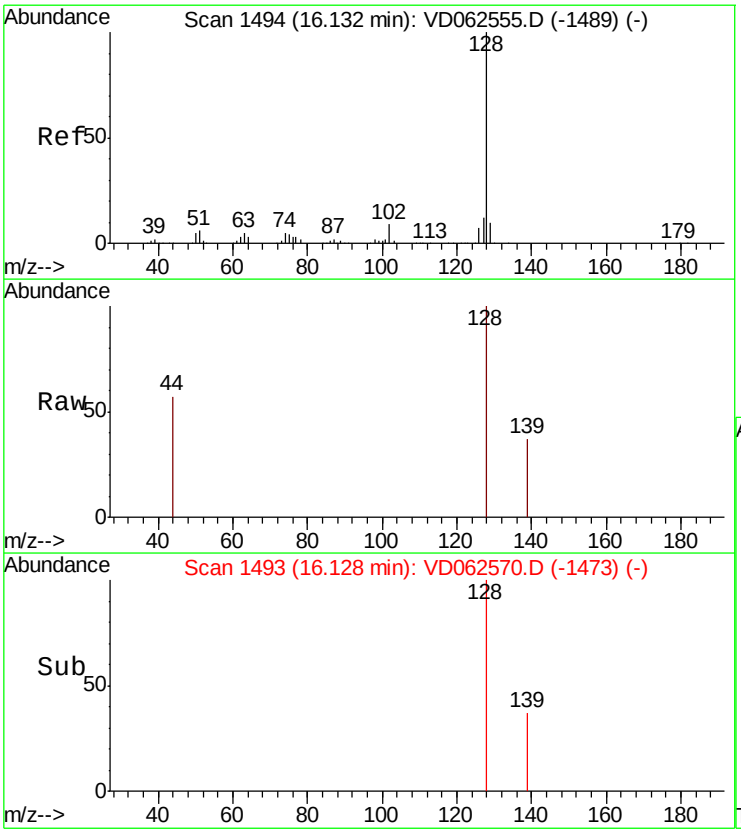
#90
Hexachloroethane
Concen: 4.806 ug/l
RT: 15.10 min Scan# 1389
Delta R.T. 0.08 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
20190430-HR-10

Tgt Ion:117 Resp: 256

Ion	Ratio	Lower	Upper
117	100		
201	0.0	43.8	131.4#





#95
Naphthalene
Concen: 7.158 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062570.D
Acq: 31 May 2019 18:09

Tgt Ion:128 Resp: 663

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