Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD053119\
Data File : VD062566.D
Acq On : 31 May 2019 16:20
Operator : VA/AP
Sample : K3097-03
Misc : 5.04g/5ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190423-HR-3

Quant Time: May 31 23:27:17 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	7.08	168	4862	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	7688	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	7036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	3087	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	4851	85.09	ug/l	0.00
Spiked Amount 50.000			Recovery = 170.18%			
35) Dibromofluoromethane	6.93	113	3398	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.00%			
50) Toluene-d8	10.42	98	5605	36.52	ug/l	0.00
Spiked Amount 50.000			Recovery = 73.04%			
62) 4-Bromofluorobenzene	13.56	95	3235	46.73	ug/l	0.00
Spiked Amount 50.000			Recovery = 93.46%			
Target Compounds						Qvalue
3) Chloromethane	1.78	50	1886	33.644	ug/l #	43
4) Vinyl Chloride	1.89	62	272	6.315	ug/l #	42
5) Bromomethane	2.15	94	1296	92.649	ug/l #	1
6) Chloroethane	2.29	64	191	9.456	ug/l #	45
10) Methyl Iodide	3.34	142	1166	19.116	ug/l #	27
11) Tert butyl alcohol	4.03	59	194	79.785	ug/l #	80
16) Acetone	3.20	43	836	74.636	ug/l #	60
18) Methyl Acetate	3.64	43	242	13.237	ug/l #	63
23) Vinyl Acetate	4.99	43	178	2.419	ug/l #	80
32) 1,1,1-Trichloroethane	7.03	97	179	1.823	ug/l #	23
38) Carbon Tetrachloride	7.05	117	188	1.650	ug/l #	15
40) Benzene	7.45	78	187	1.245	ug/l #	51
41) Methacrylonitrile	6.58	41	204	5.373	ug/l #	34
51) 4-Methyl-2-Pentanone	10.42	43	235	8.388	ug/l #	42
55) 1,1,2-Trichloroethane	11.25	97	516	15.340	ug/l #	16
64) Tetrachloroethene	11.28	164	260	4.180	ug/l #	1
67) Ethyl Benzene	12.53	91	1155	4.599	ug/l	92
68) m/p-Xylenes	12.68	106	1223	14.078	ug/l #	64
74) N-amyl acetate	13.48	43	375	7.227	ug/l #	51
78) n-propylbenzene	13.78	91	940	4.007	ug/l #	57
79) 2-Chlorotoluene	13.78	91	940	6.911	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.94	105	444	2.553	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.56	75	1522	143.421	ug/l #	5
84) 1,2,4-Trimethylbenzene	14.24	105	2743	15.479	ug/l	86
85) sec-Butylbenzene	14.24	105	2743	13.344	ug/l #	60
89) n-Butylbenzene	14.71	91	194	1.132	ug/l #	30
95) Naphthalene	16.13	128	484	5.462	ug/l #	71

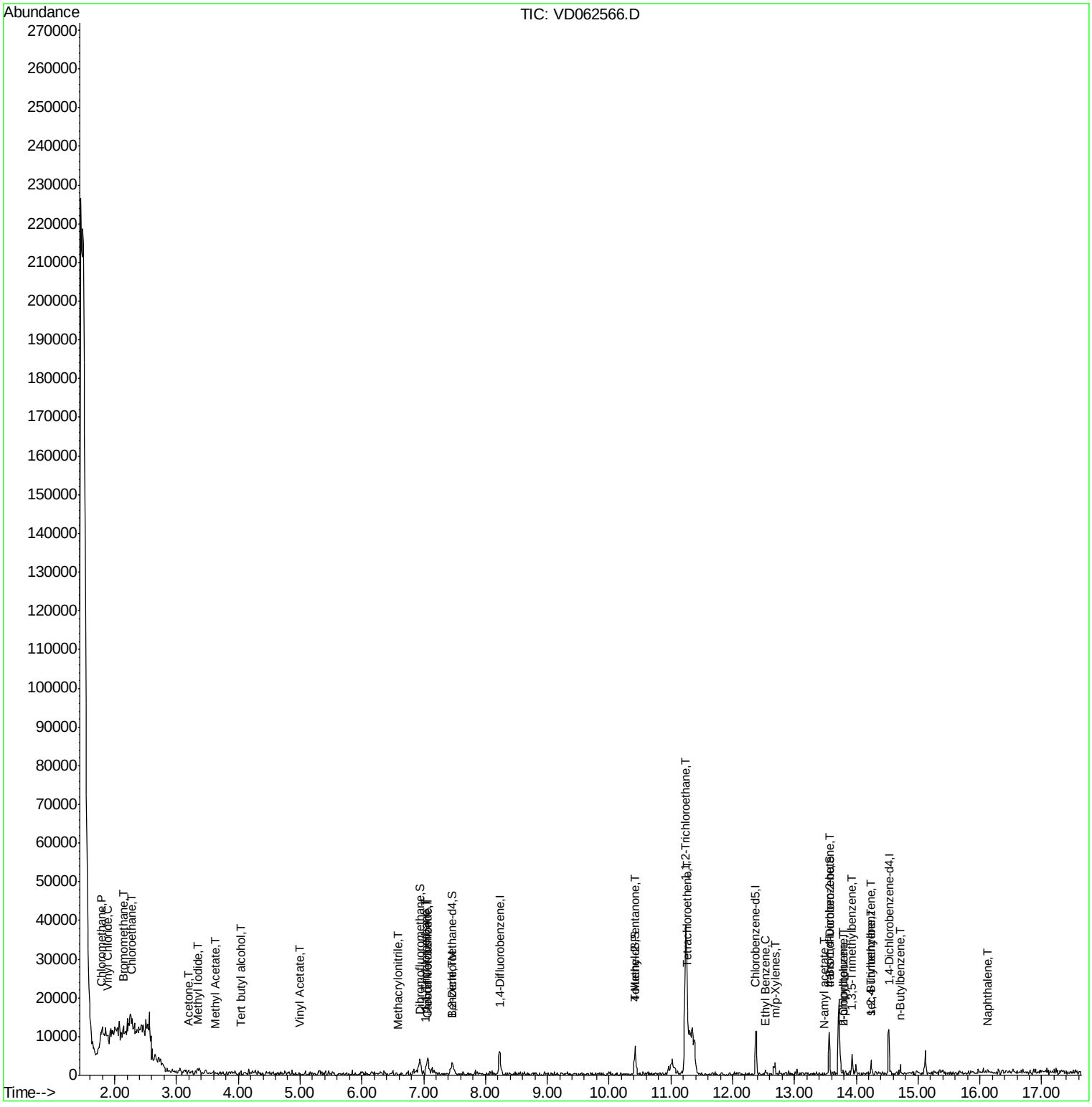
(#) = qualifier out of range (m) = manual integration (+) = signals summed

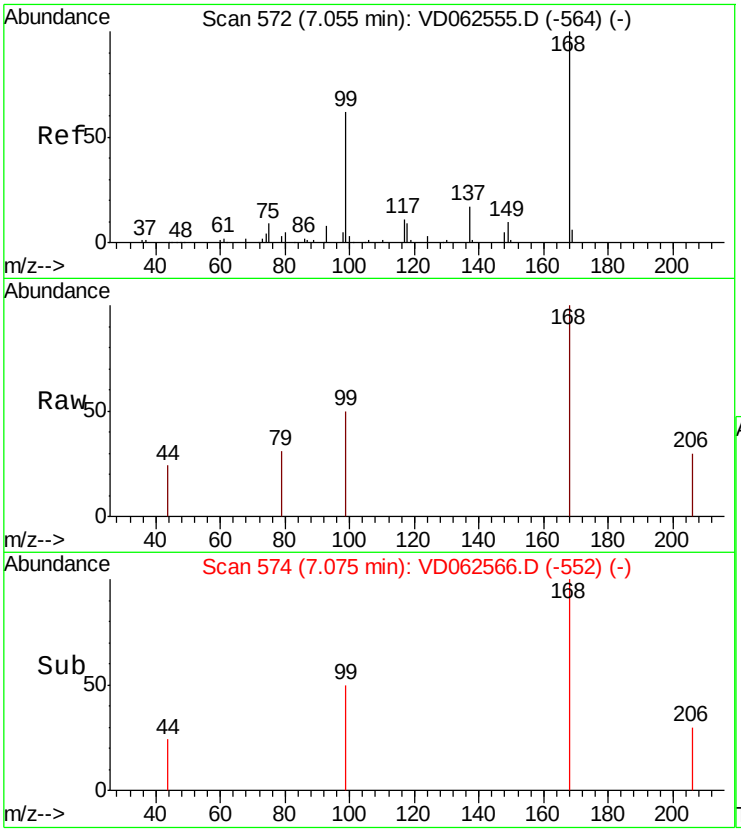
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD053119\
Data File : VD062566.D
Acq On : 31 May 2019 16:20
Operator : VA/AP
Sample : K3097-03
Misc : 5.04g/5ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Quant Time: May 31 23:27:17 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



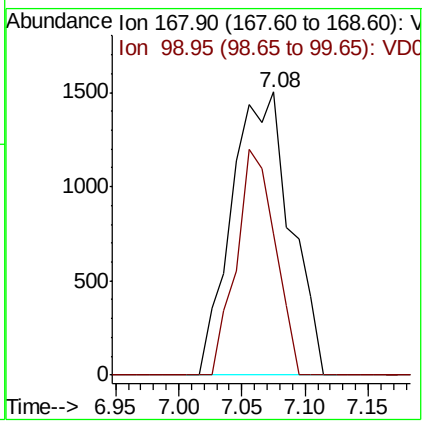


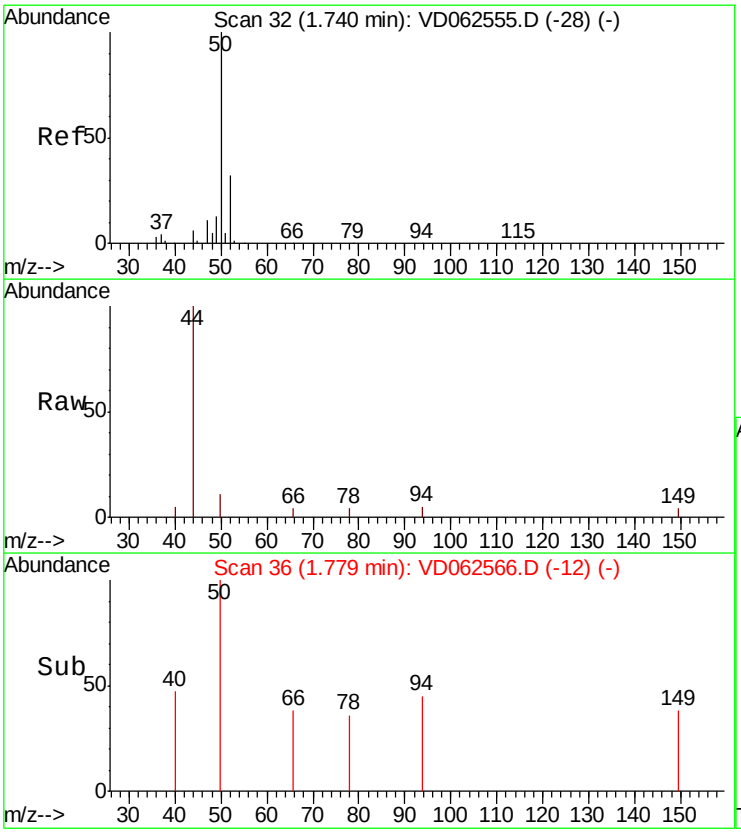
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.08 min Scan# 574
Delta R.T. 0.02 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion:168 Resp: 4862

Ion	Ratio	Lower	Upper
168	100		
99	50.0	50.8	76.2#

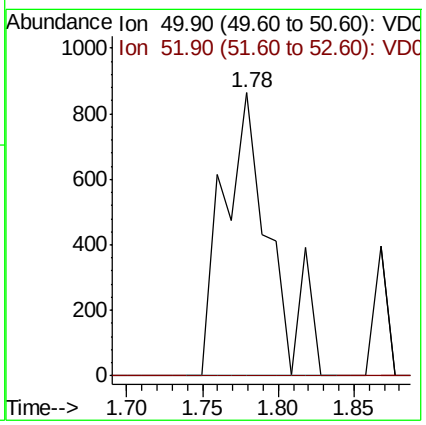


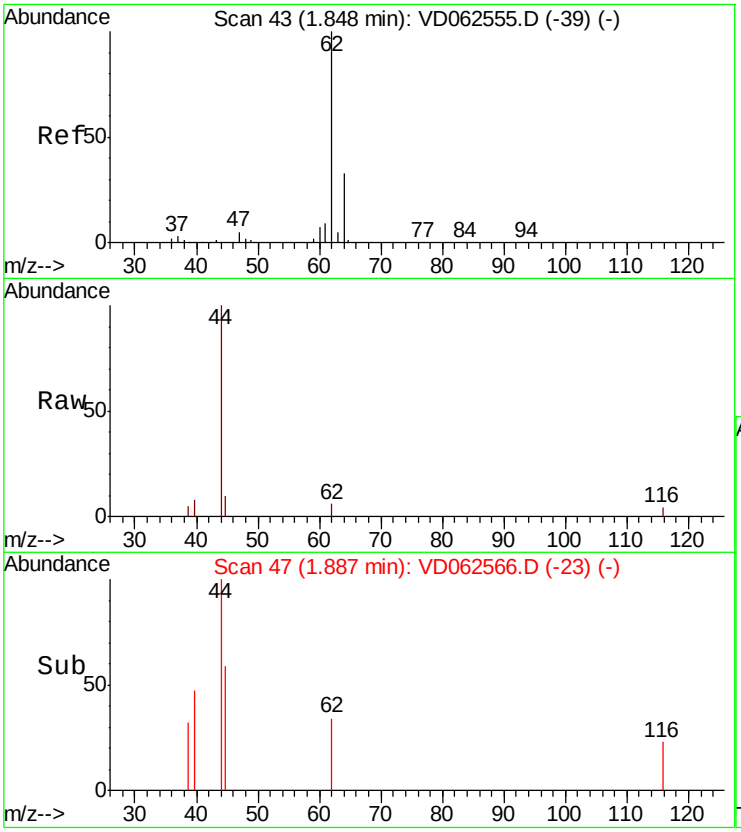


#3
Chloromethane
Concen: 33.644 ug/l
RT: 1.78 min Scan# 36
Delta R.T. 0.04 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 50 Resp: 1886

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.4	38.2#



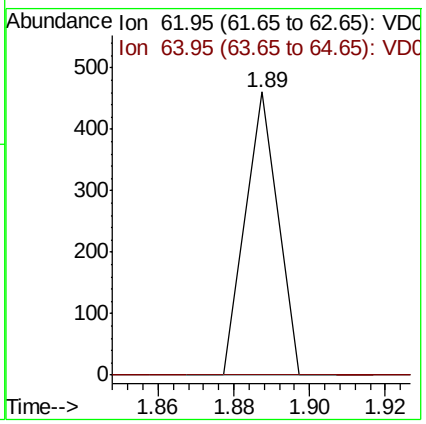


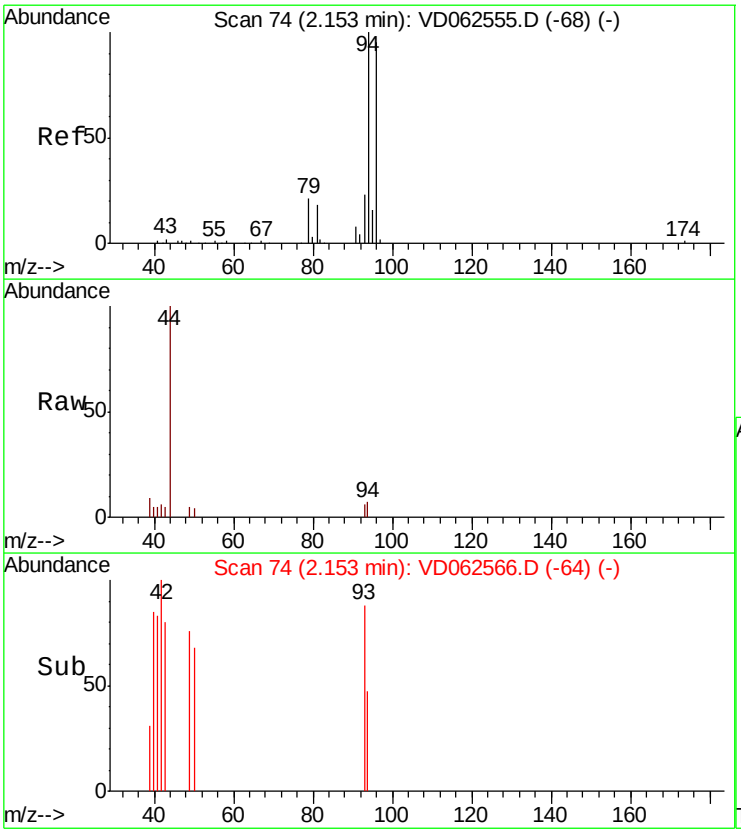
#4
Vinyl Chloride
Concen: 6.315 ug/l
RT: 1.89 min Scan# 47
Delta R.T. 0.04 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion: 62 Resp: 272

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.5	39.7#

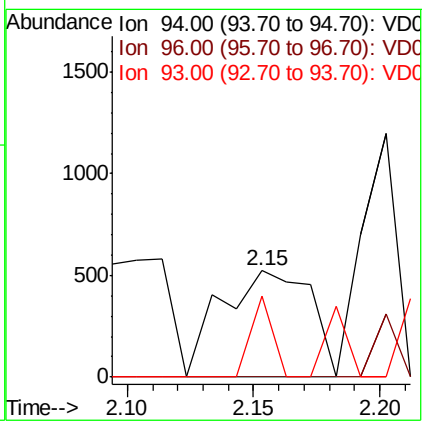


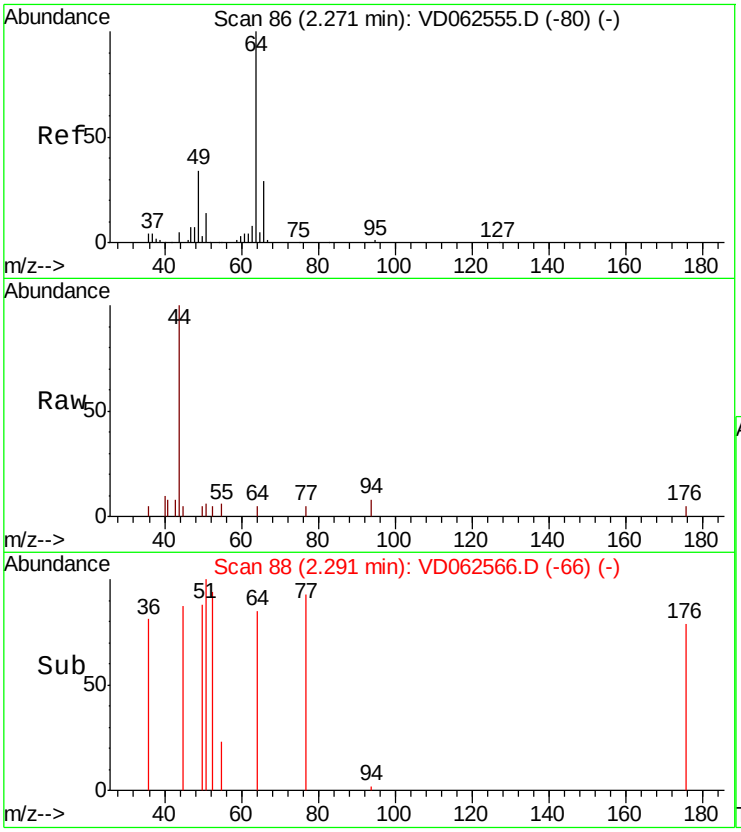


#5
Bromomethane
Concen: 92.649 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 94 Resp: 1296

Ion	Ratio	Lower	Upper
94	100		
96	0.0	76.2	114.4#
93	76.1	18.4	27.6#



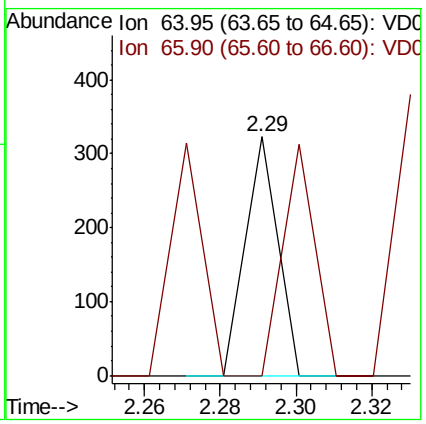


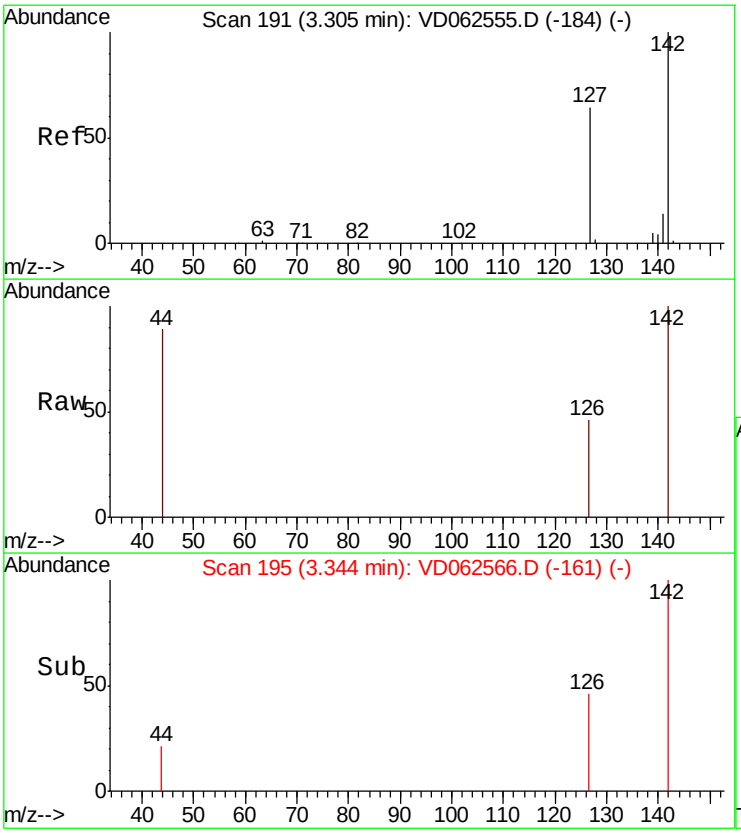
#6
Chloroethane
Concen: 9.456 ug/l
RT: 2.29 min Scan# 88
Delta R.T. 0.02 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion: 64 Resp: 191

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.4	35.2#

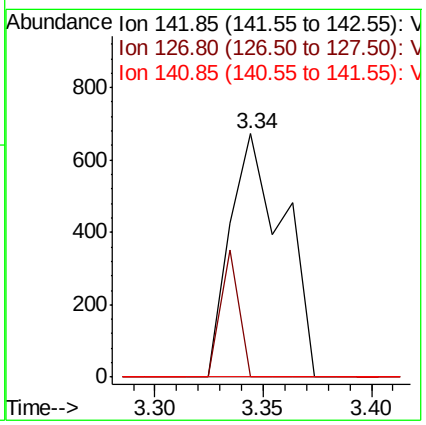


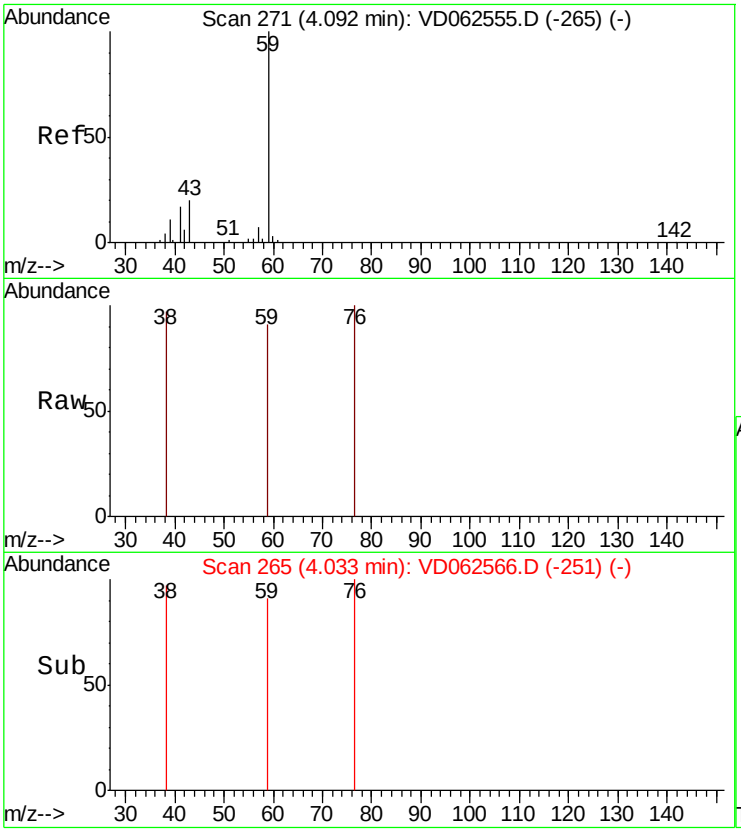


#10
Methyl Iodide
Concen: 19.116 ug/l
RT: 3.34 min Scan# 195
Delta R.T. 0.04 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion:142 Resp: 1166

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



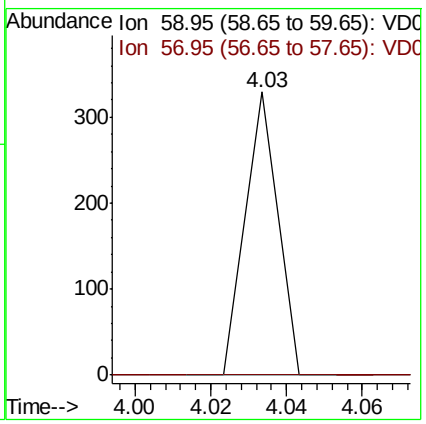


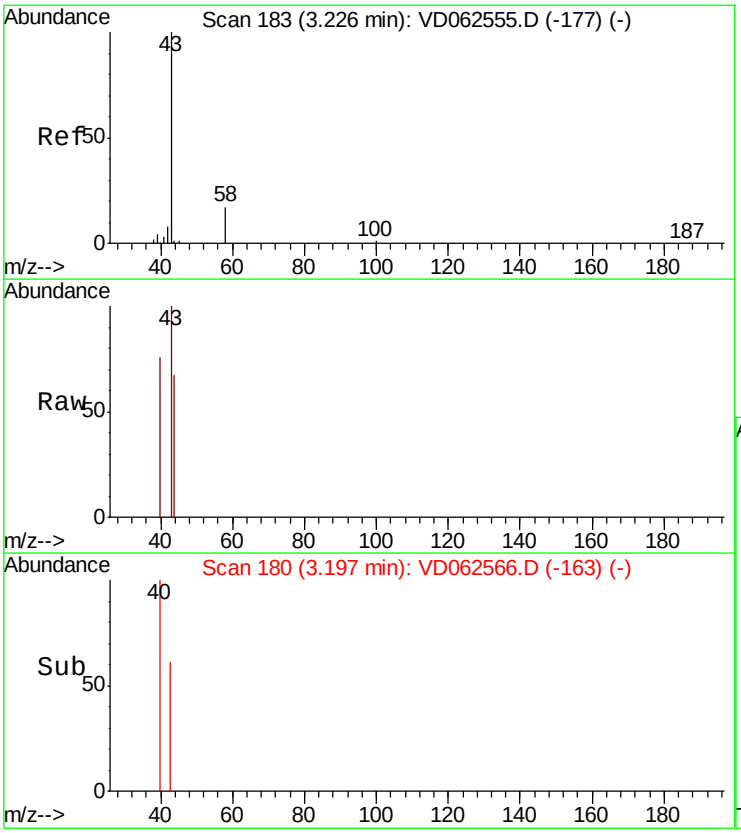
#11
Tert butyl alcohol
Concen: 79.785 ug/l
RT: 4.03 min Scan# 265
Delta R.T. -0.06 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion: 59 Resp: 194

Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.4	8.0#

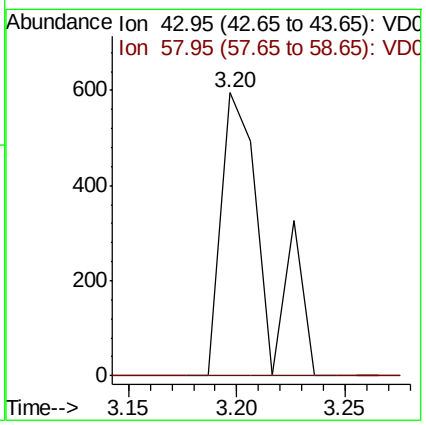


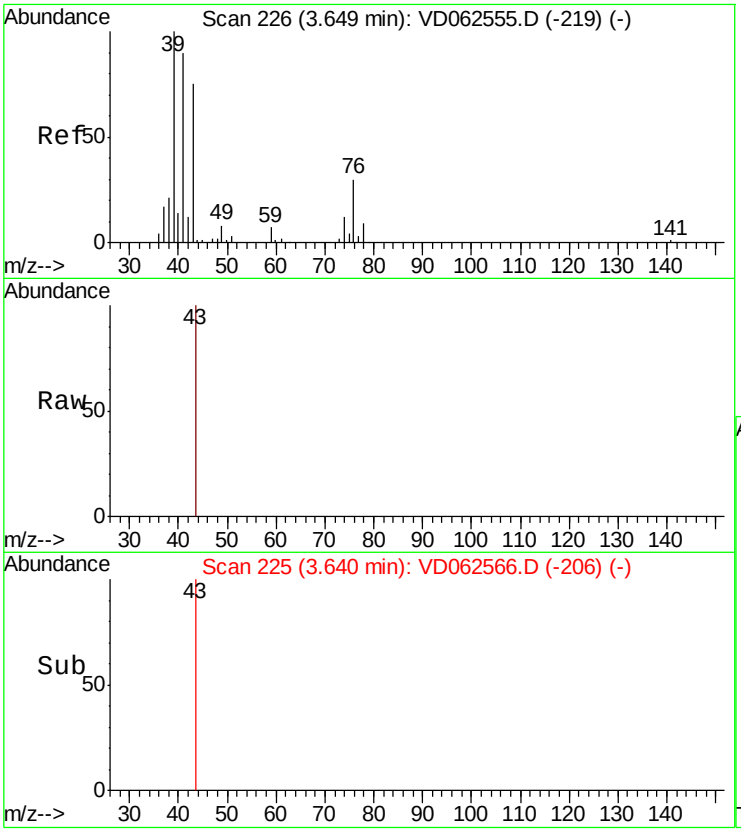


#16
Acetone
Concen: 74.636 ug/l
RT: 3.20 min Scan# 180
Delta R.T. -0.03 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 43 Resp: 836

Ion	Ratio	Lower	Upper
43	100		
58	0.0	13.8	20.8#



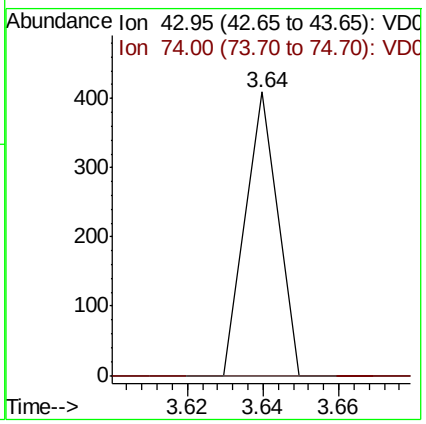


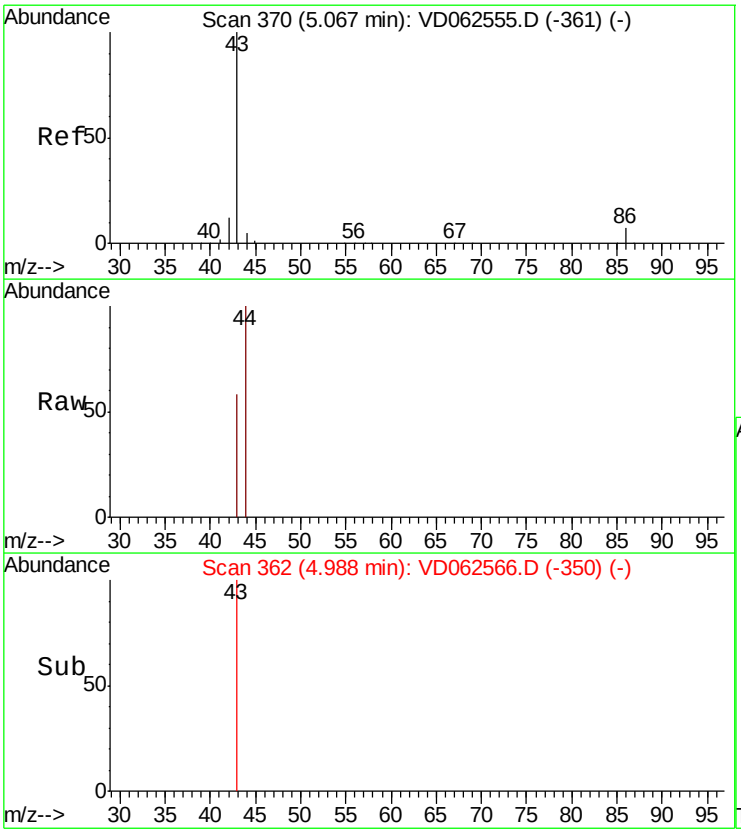
#18
Methyl Acetate
Concen: 13.237 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument : MSVOA_D
ClientSampleId : 20190423-HR-3

Tgt Ion: 43 Resp: 242

Ion	Ratio	Lower	Upper
43	100		
74	0.0	12.5	18.7#

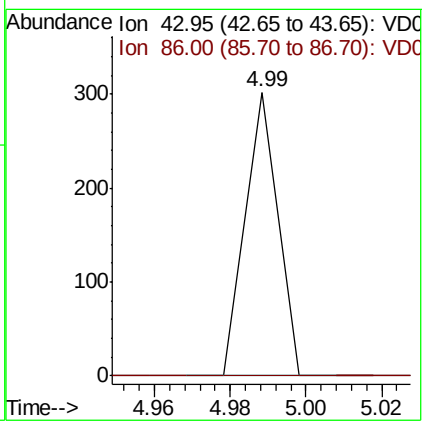


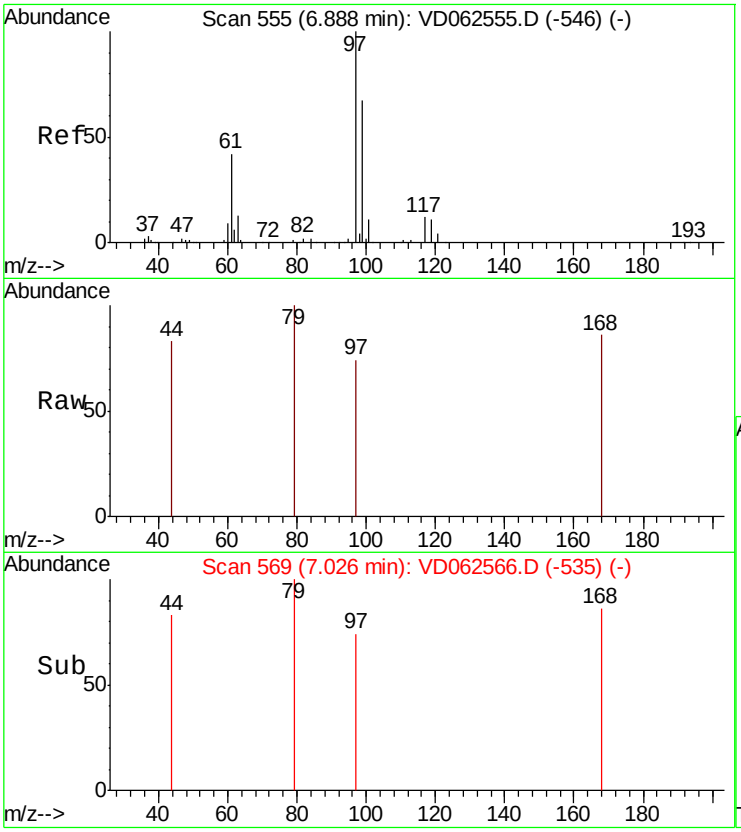


#23
Vinyl Acetate
Concen: 2.419 ug/l
RT: 4.99 min Scan# 362
Delta R.T. -0.08 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 43 Resp: 178

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#



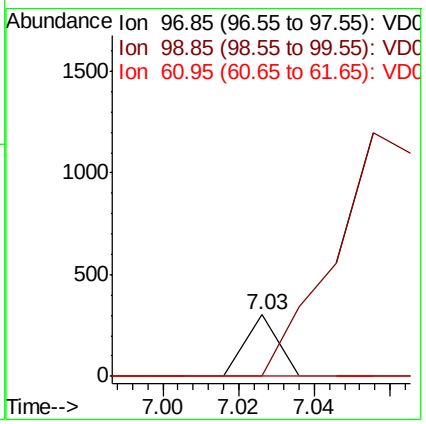


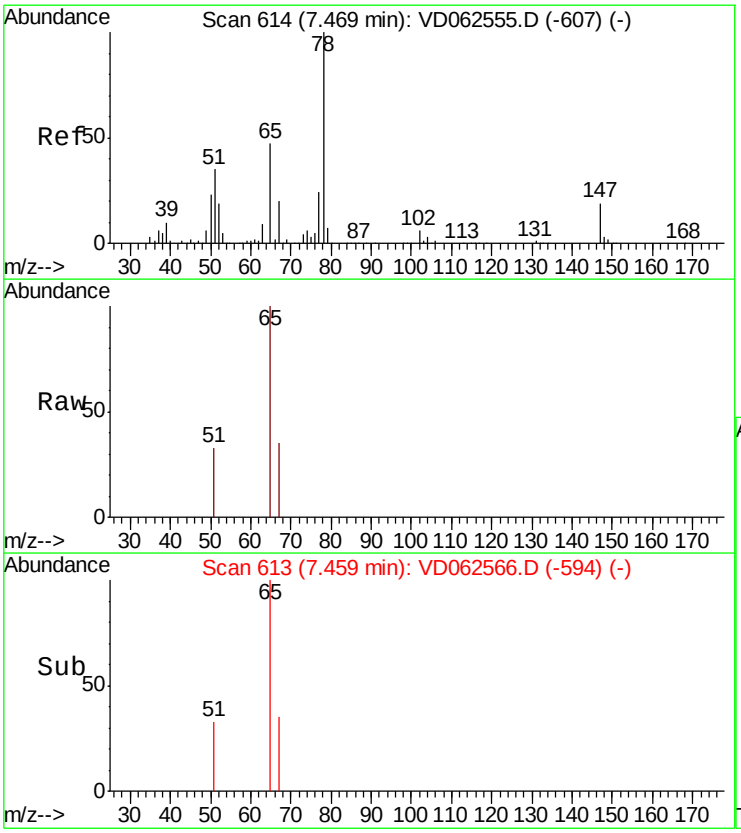
#32
1,1,1-Trichloroethane
Concen: 1.823 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.14 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion: 97 Resp: 179

Ion	Ratio	Lower	Upper
97	100		
99	0.0	53.6	80.4#
61	0.0	33.9	50.9#

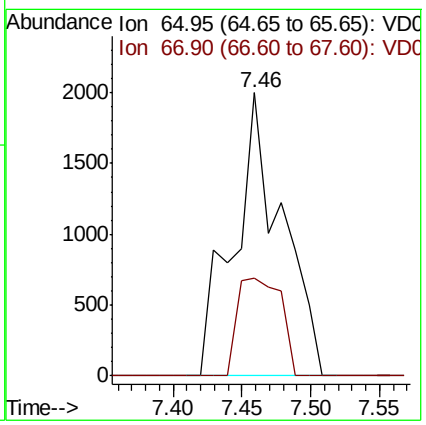


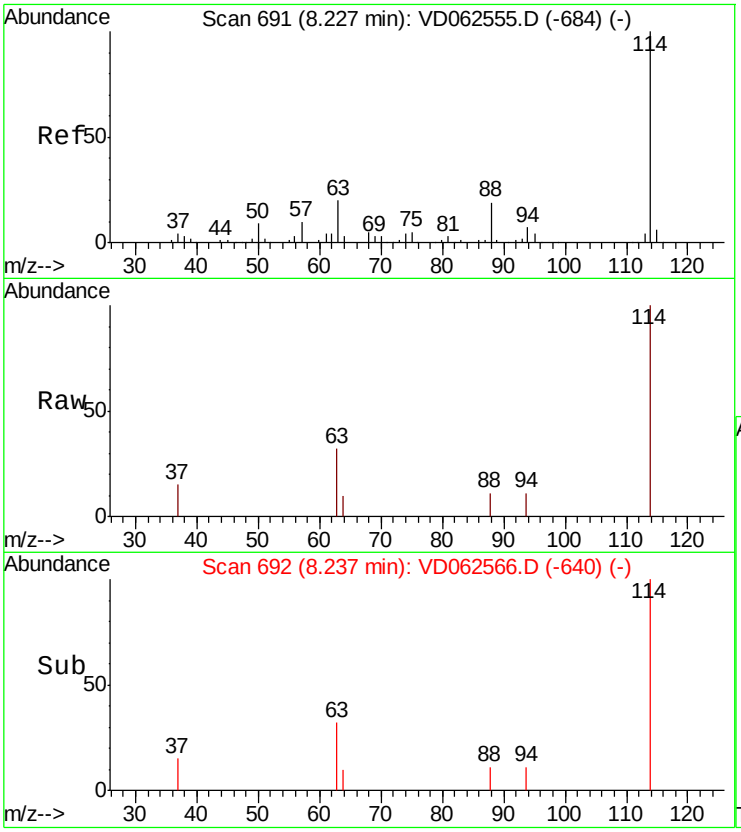


#33
1,2-Dichloroethane-d4
Concen: 85.093 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 65 Resp: 4851

Ion	Ratio	Lower	Upper
65	100		
67	34.6	0.0	83.6



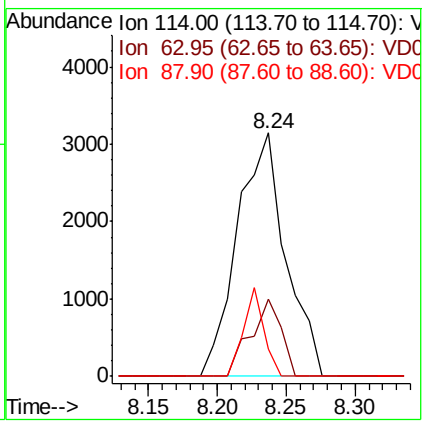


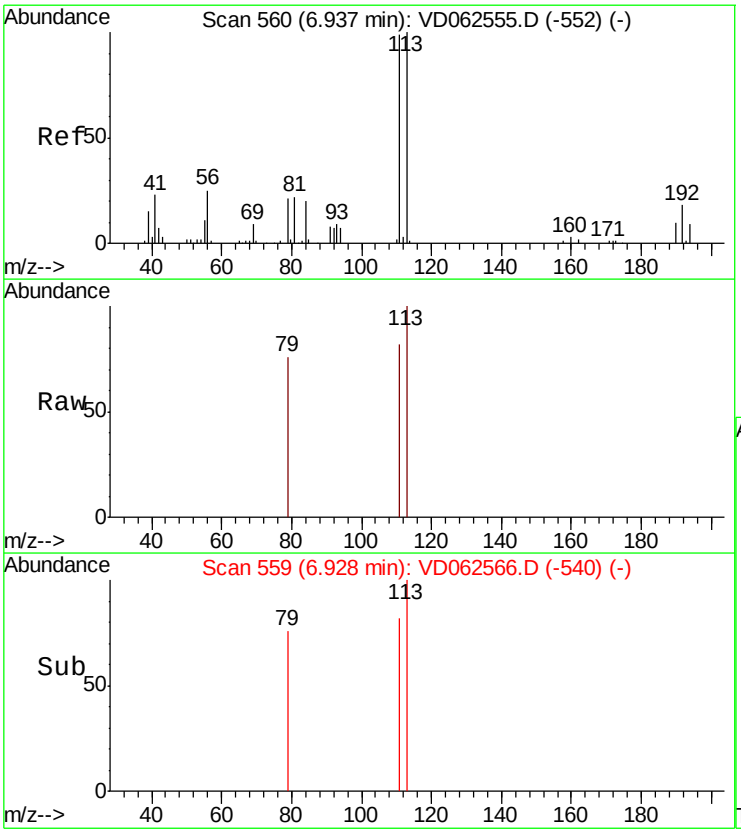
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.24 min Scan# 692
Delta R.T. 0.01 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion:114 Resp: 7688

Ion	Ratio	Lower	Upper
114	100		
63	31.6	0.0	40.6
88	11.1	0.0	37.6

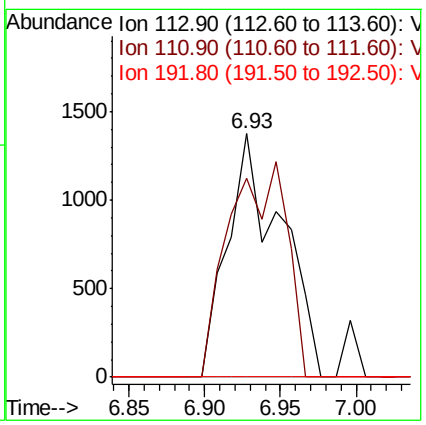


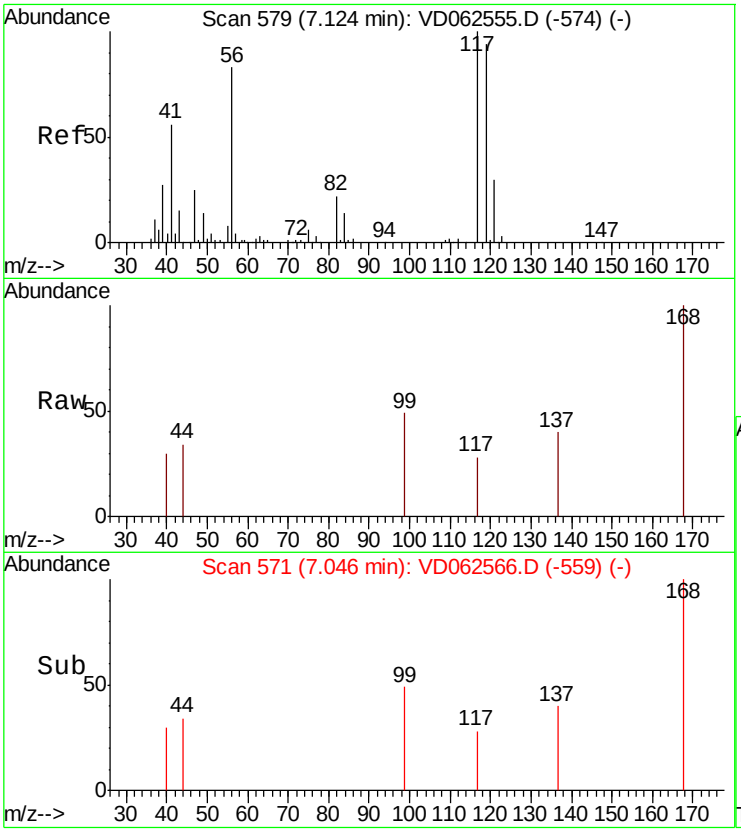


#35
Dibromofluoromethane
Concen: 48.503 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion:113 Resp: 3398

Ion	Ratio	Lower	Upper
113	100		
111	81.5	78.8	118.2
192	0.0	14.6	22.0#



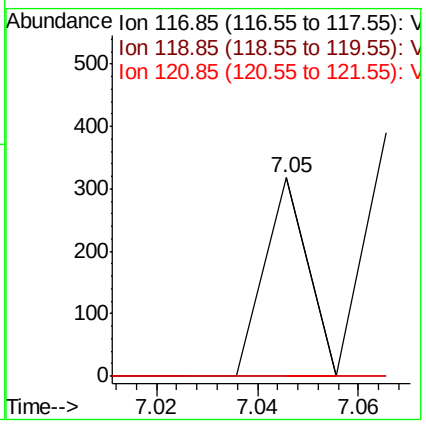


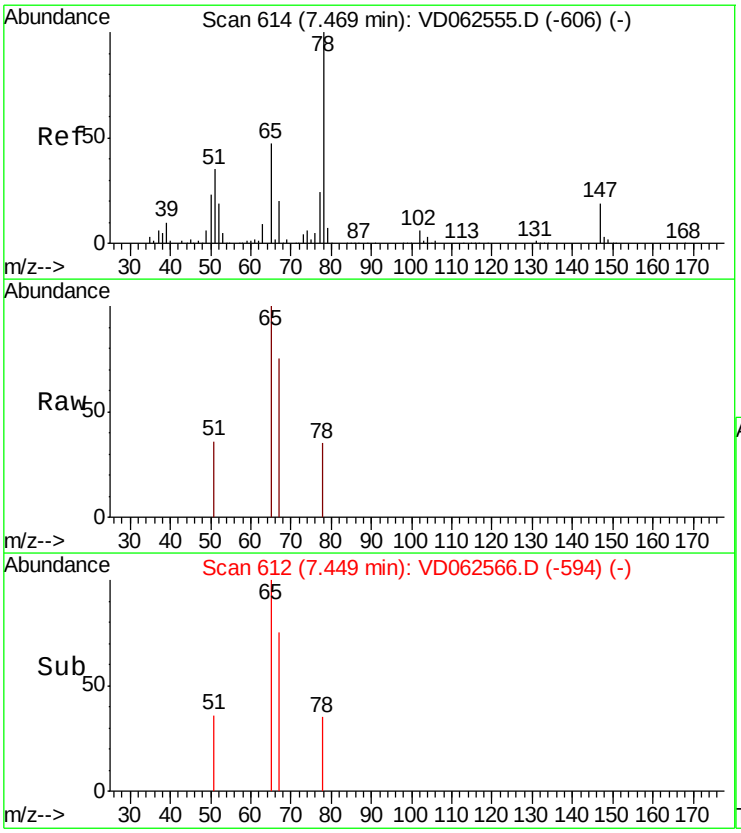
#38
Carbon Tetrachloride
Concen: 1.650 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.08 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument : MSVOA_D
ClientSampleId : 20190423-HR-3

Tgt Ion:117 Resp: 188

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

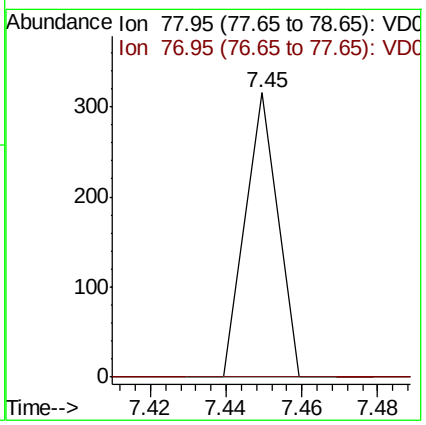


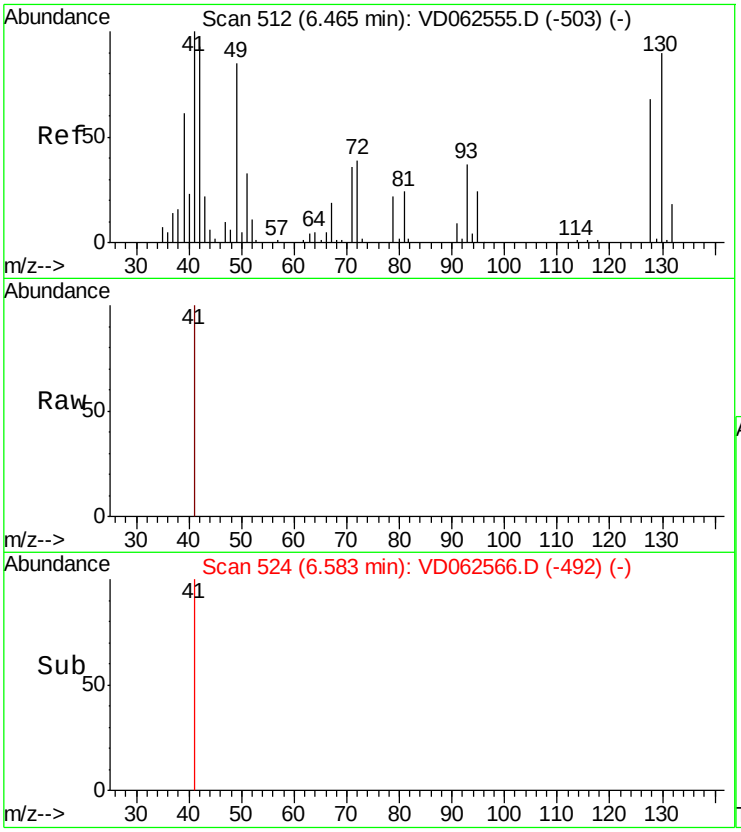


#40
Benzene
Concen: 1.245 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 78 Resp: 187

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.1	28.7#



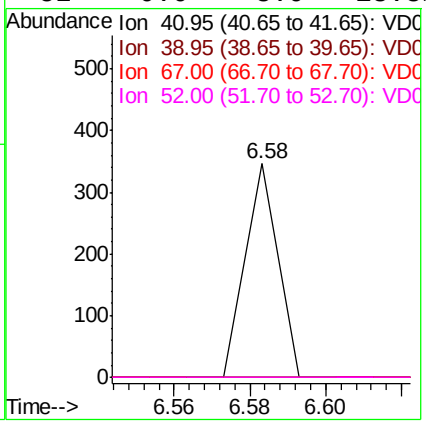


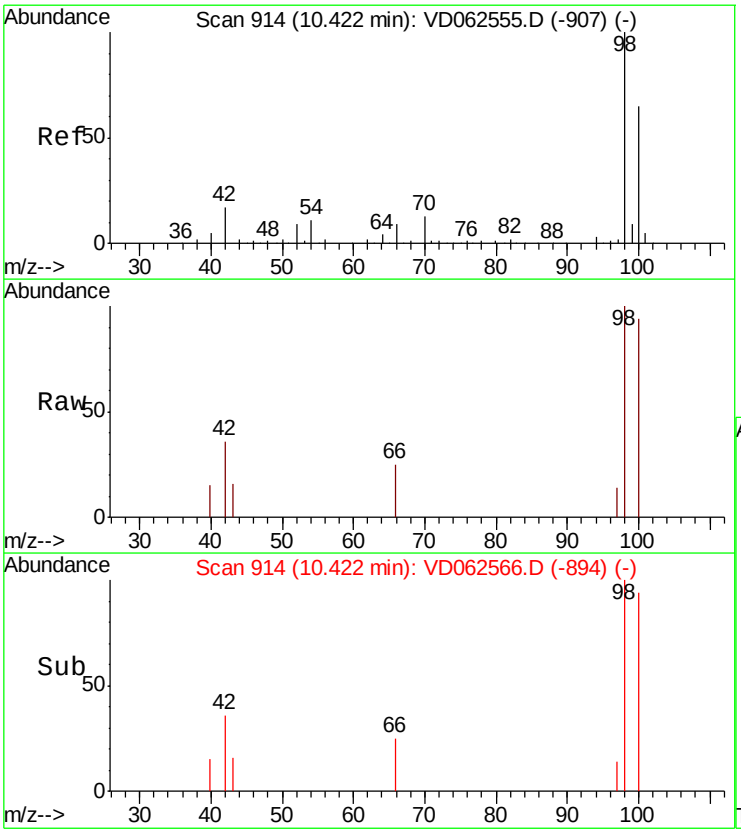
#41
Methacrylonitrile
Concen: 5.373 ug/l
RT: 6.58 min Scan# 524
Delta R.T. 0.12 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion: 41 Resp: 204

Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.0	73.6#
67	0.0	15.5	23.3#
52	0.0	8.9	13.3#

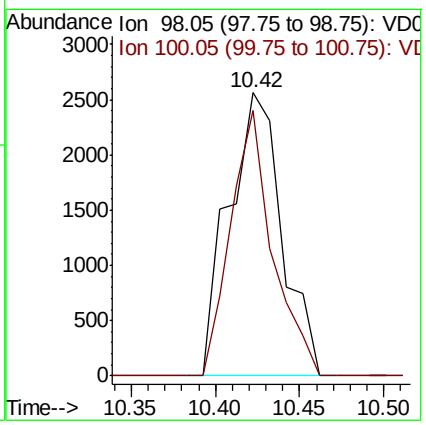


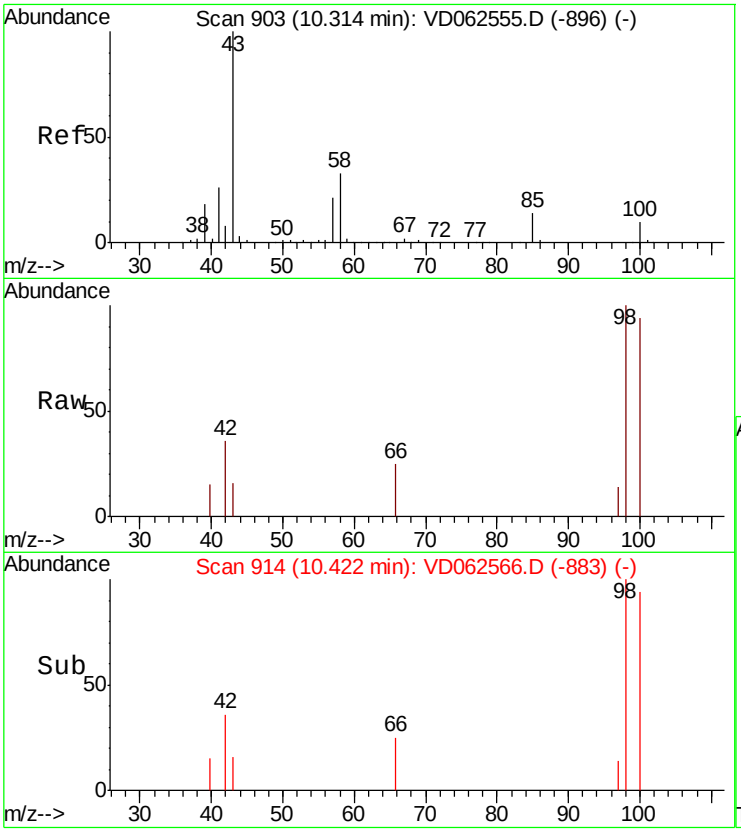


#50
Toluene-d8
Concen: 36.515 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 98 Resp: 5605

Ion	Ratio	Lower	Upper
98	100		
100	93.9	52.3	78.5#



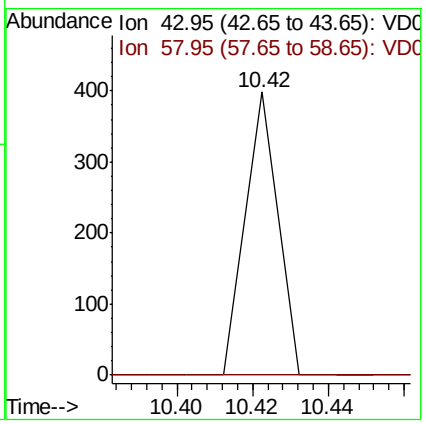


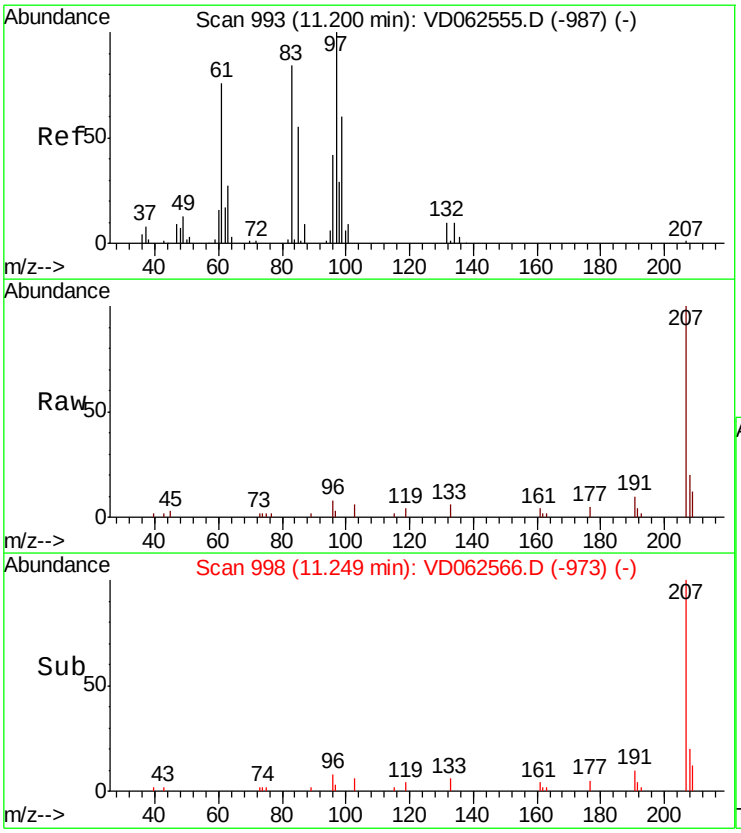
#51
4-Methyl-2-Pentanone
Concen: 8.388 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.11 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion: 43 Resp: 235

Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.1	39.1#

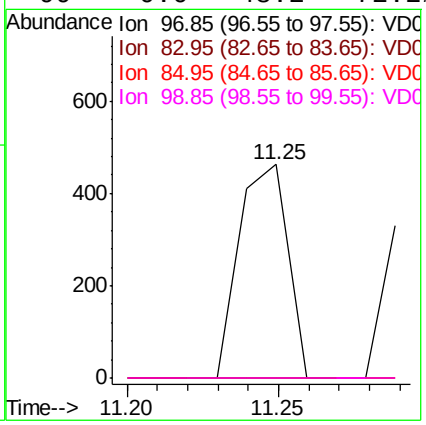


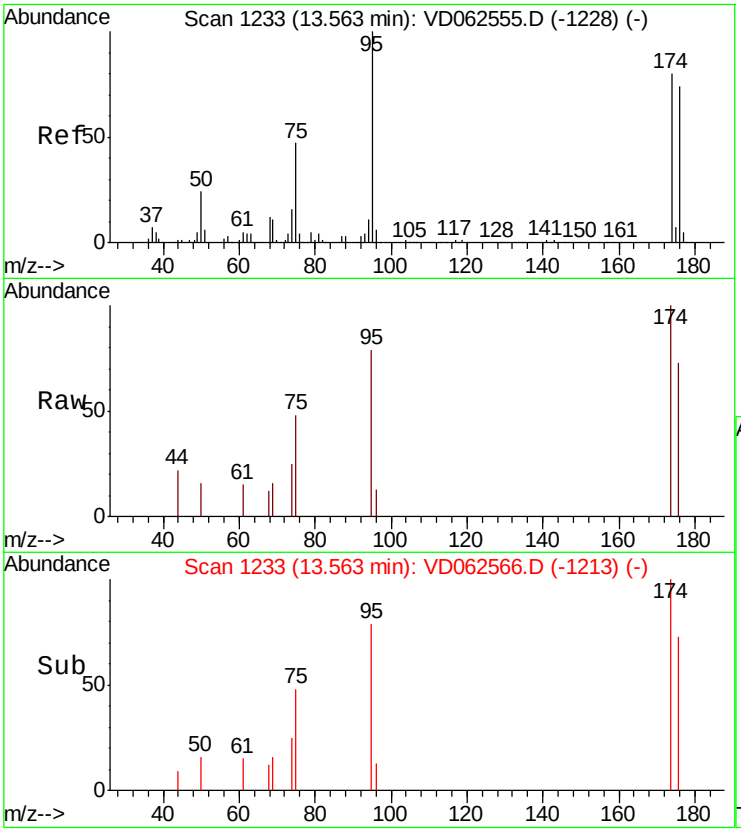


#55
1,1,2-Trichloroethane
Concen: 15.340 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.05 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 97 Resp: 516

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#



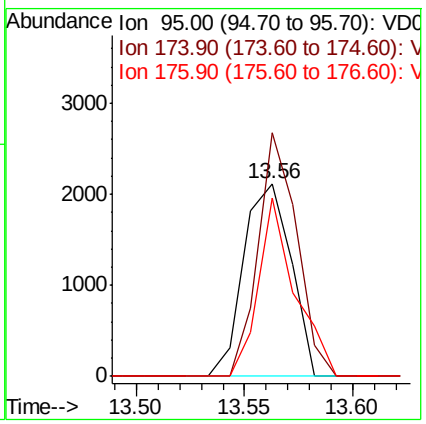


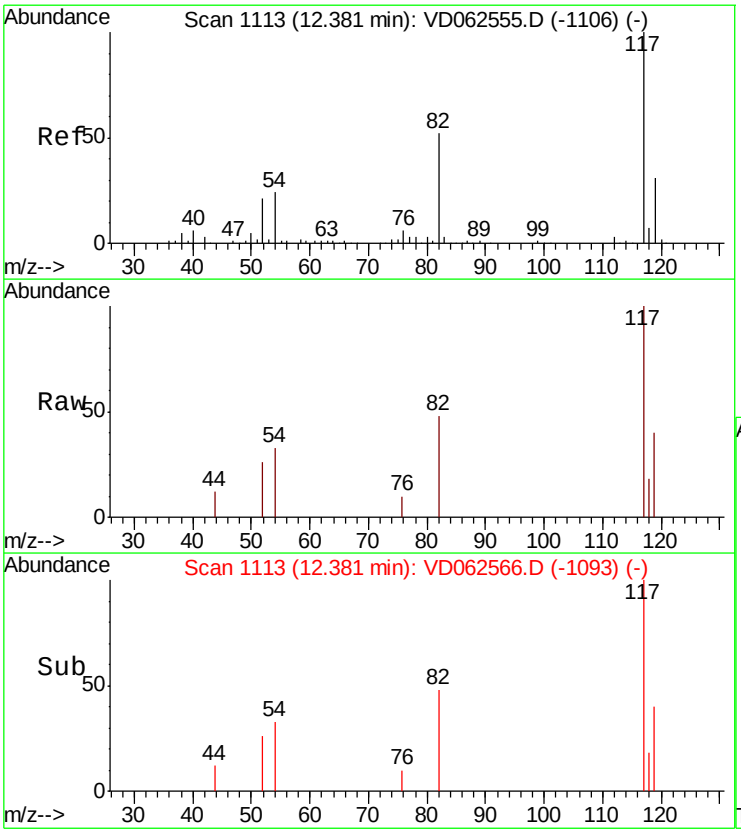
#62
4-Bromofluorobenzene
Concen: 46.733 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion: 95 Resp: 3235

Ion	Ratio	Lower	Upper
95	100		
174	126.4	0.0	160.2
176	92.3	0.0	148.0

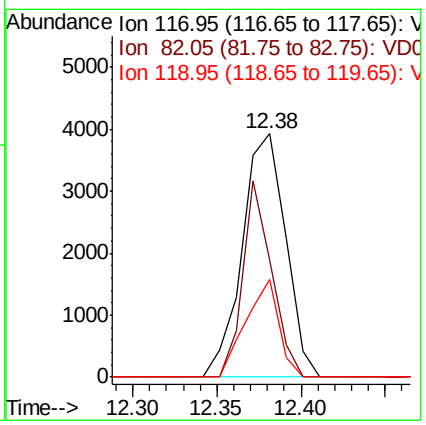


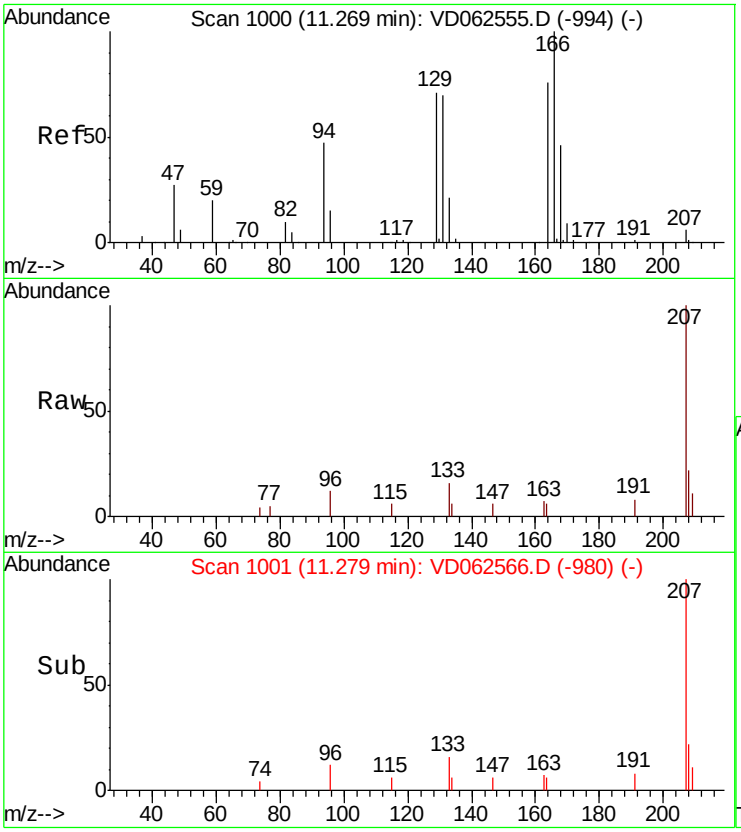


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion:117 Resp: 7036

Ion	Ratio	Lower	Upper
117	100		
82	48.2	41.4	62.2
119	39.9	24.9	37.3#



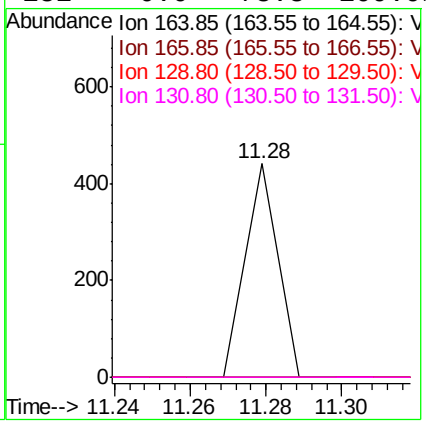


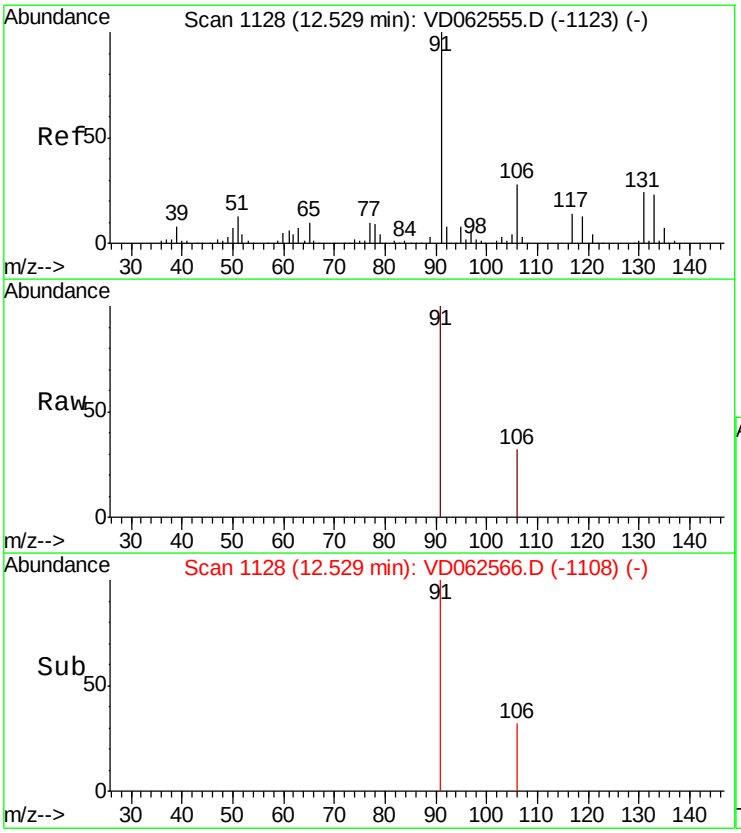
#64
Tetrachloroethene
Concen: 4.180 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument : MSVOA_D
ClientSampleId : 20190423-HR-3

Tgt Ion:164 Resp: 260

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#

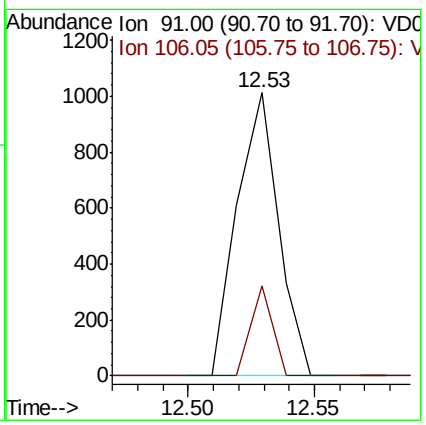


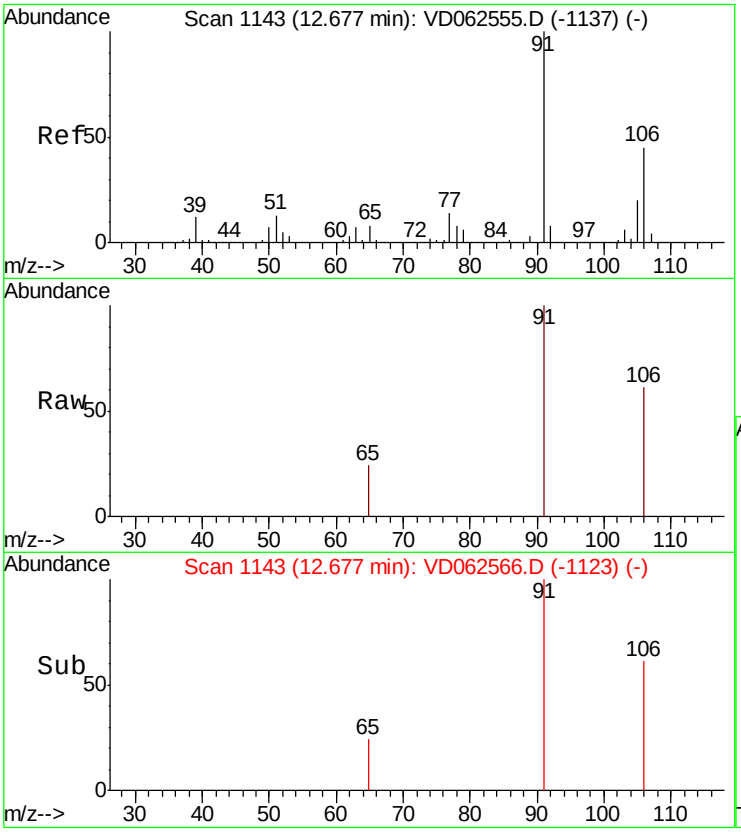


#67
Ethyl Benzene
Concen: 4.599 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 91 Resp: 1155

Ion	Ratio	Lower	Upper
91	100		
106	32.0	22.2	33.2



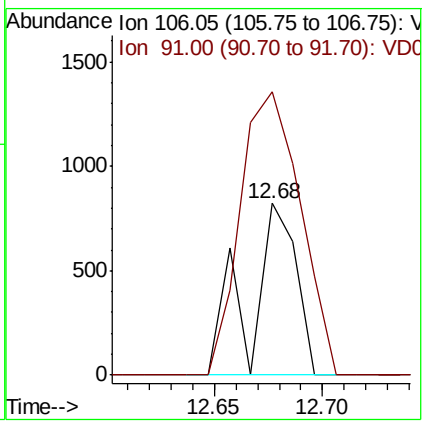


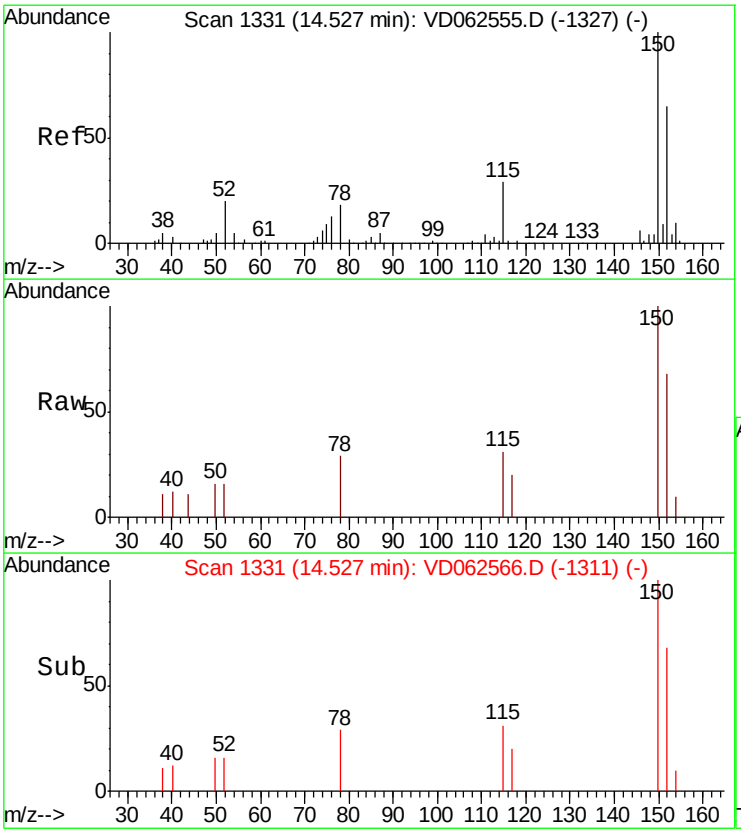
#68
m/p-Xylenes
Concen: 14.078 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion:106 Resp: 1223

Ion	Ratio	Lower	Upper
106	100		
91	164.8	178.9	268.3#

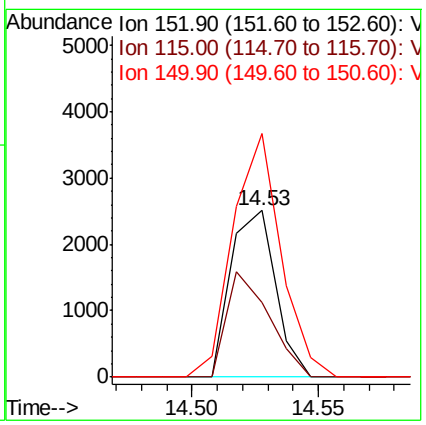


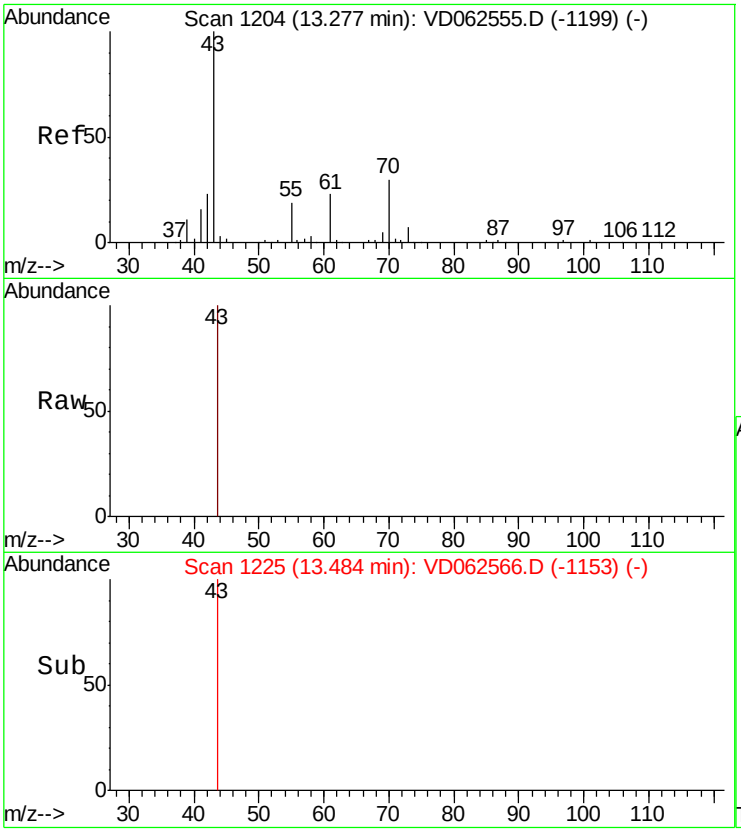


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion:152 Resp: 3087

Ion	Ratio	Lower	Upper
152	100		
115	44.9	28.4	85.3
150	146.5	0.0	310.4



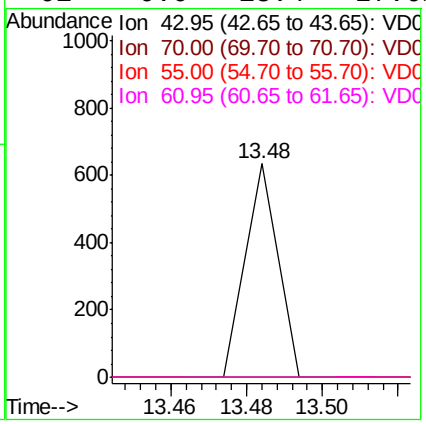


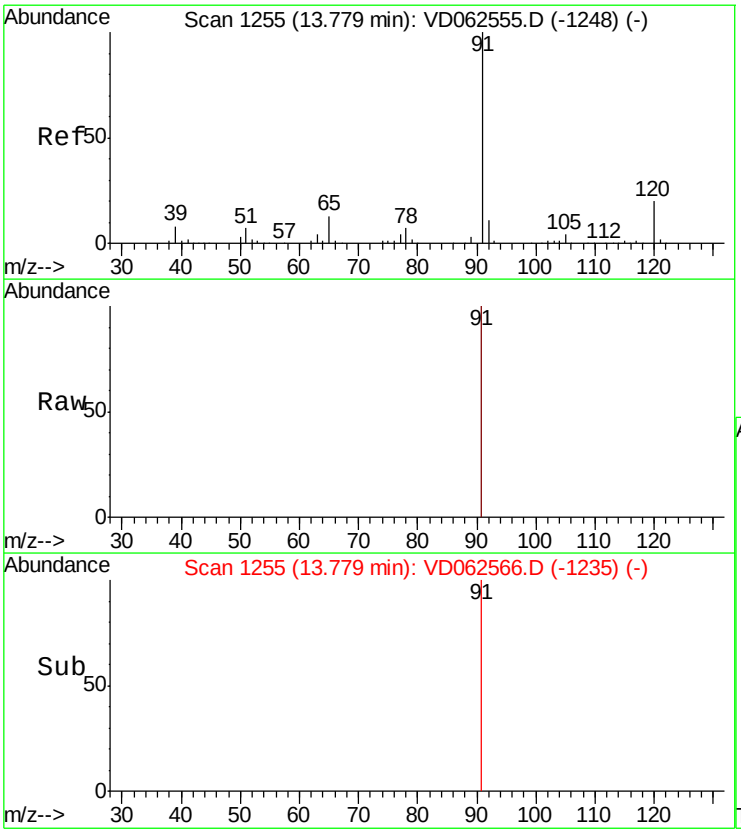
#74
N-amyl acetate
Concen: 7.227 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.21 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument : MSVOA_D
ClientSampleId : 20190423-HR-3

Tgt Ion: 43 Resp: 375

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#

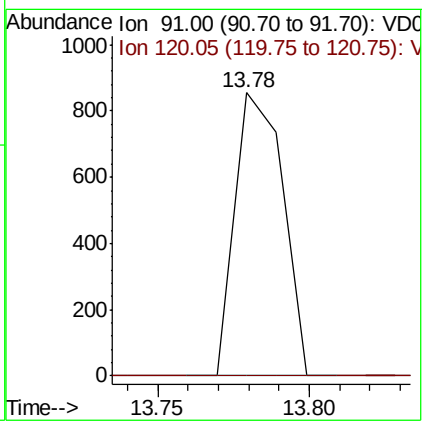


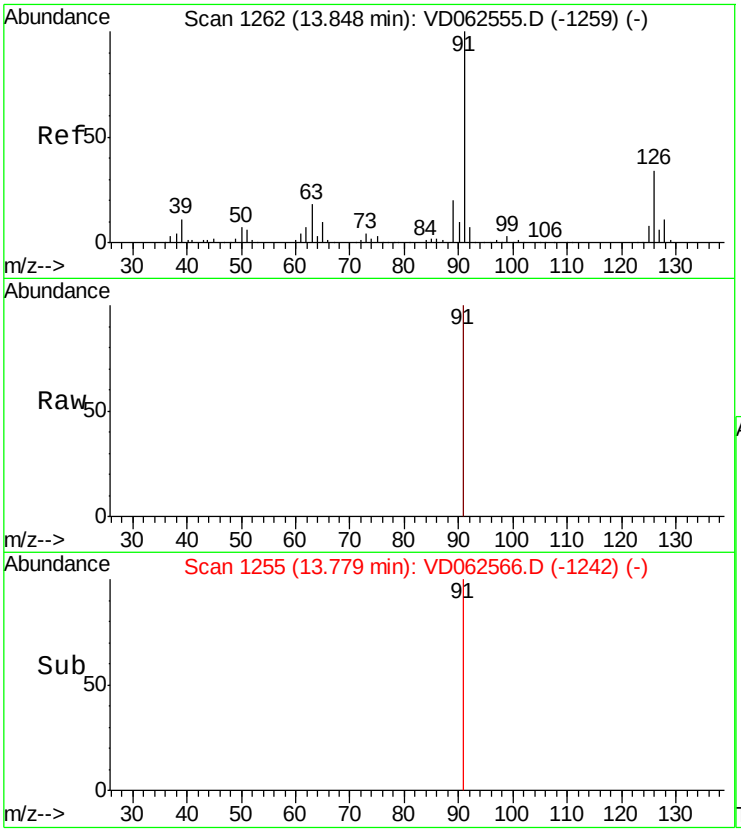


#78
n-propylbenzene
Concen: 4.007 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 91 Resp: 940

Ion	Ratio	Lower	Upper
91	100		
120	0.0	10.0	29.8#



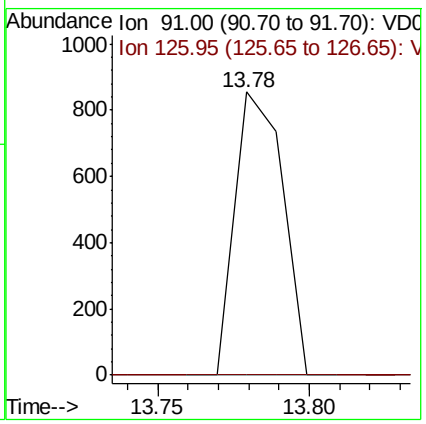


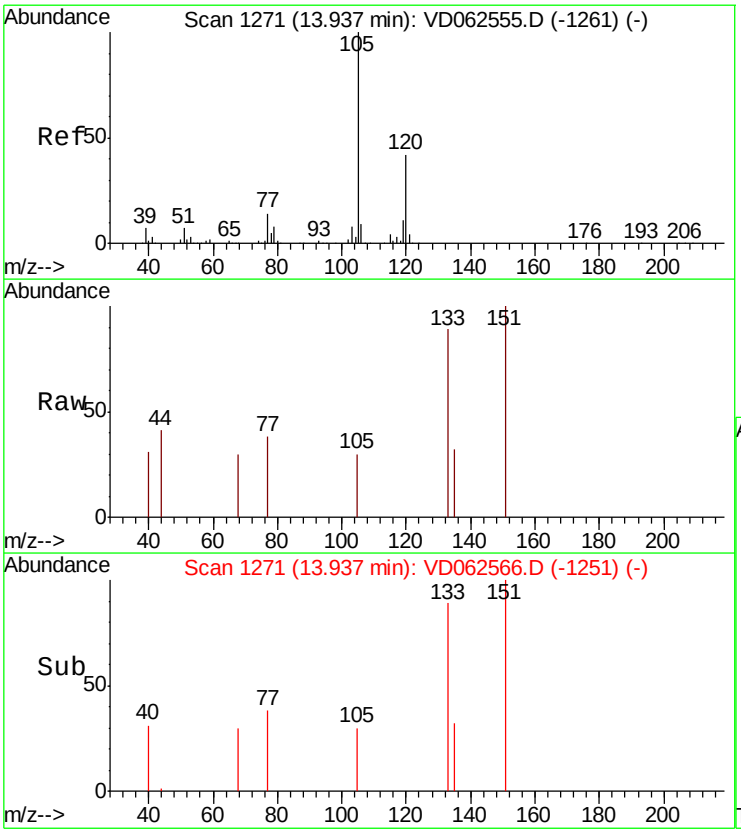
#79
2-Chlorotoluene
Concen: 6.911 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.07 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument : MSVOA_D
ClientSampleId : 20190423-HR-3

Tgt Ion: 91 Resp: 940

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.7	50.1#

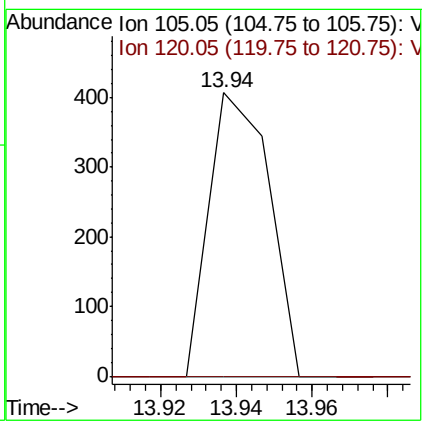


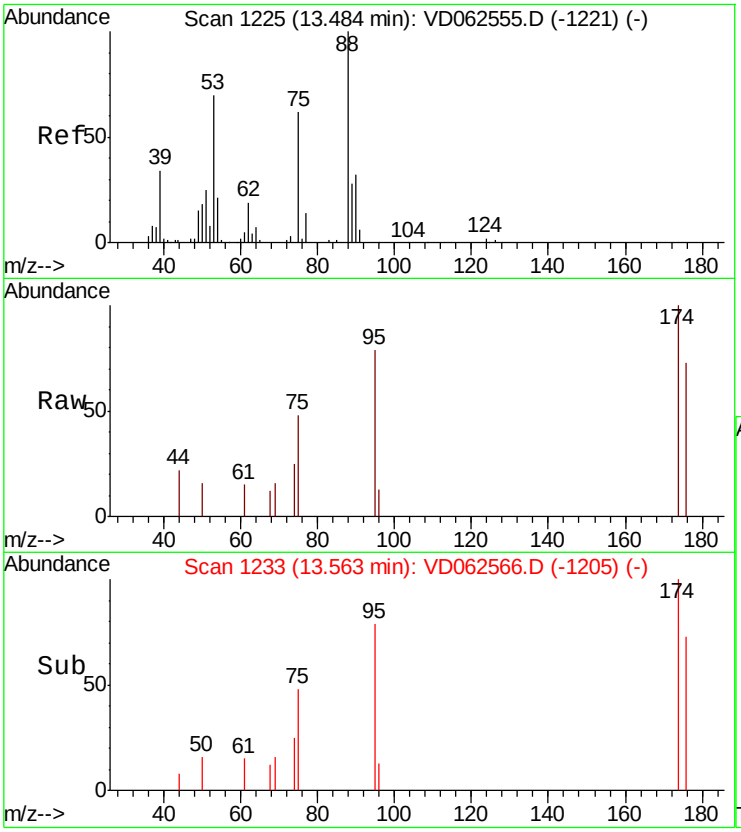


#80
1,3,5-Trimethylbenzene
Concen: 2.553 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion:105 Resp: 444

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.8	62.5#



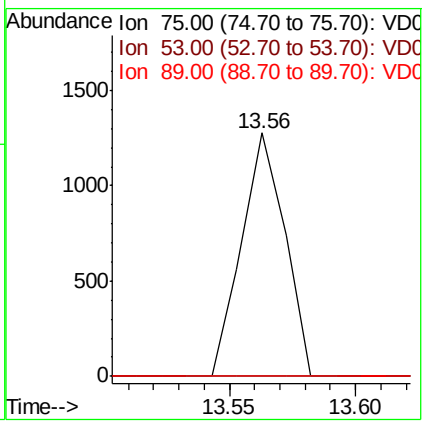


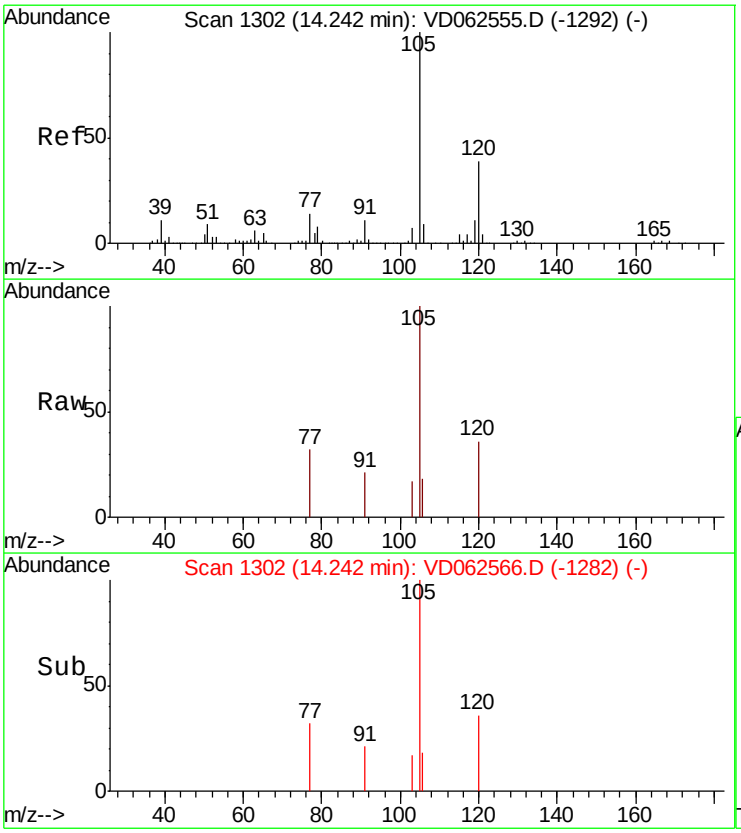
#81
trans-1,4-Dichloro-2-butene
Concen: 143.421 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion: 75 Resp: 1522

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

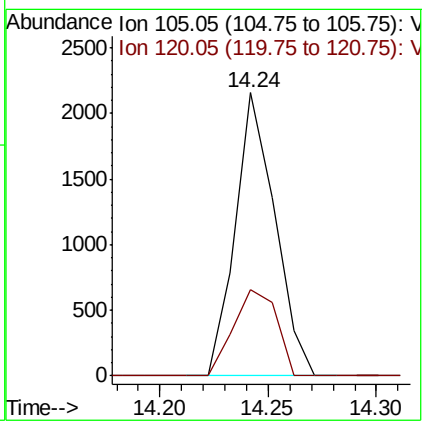


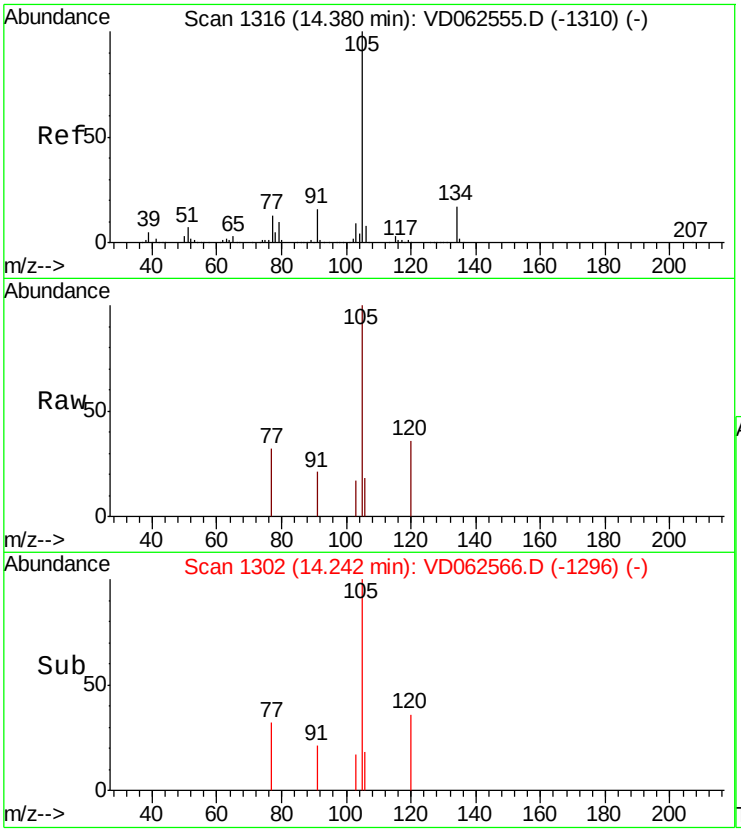


#84
1,2,4-Trimethylbenzene
Concen: 15.479 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion:105 Resp: 2743

Ion	Ratio	Lower	Upper
105	100		
120	30.7	19.6	58.8



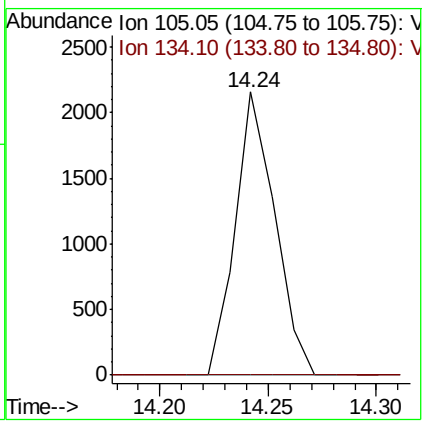


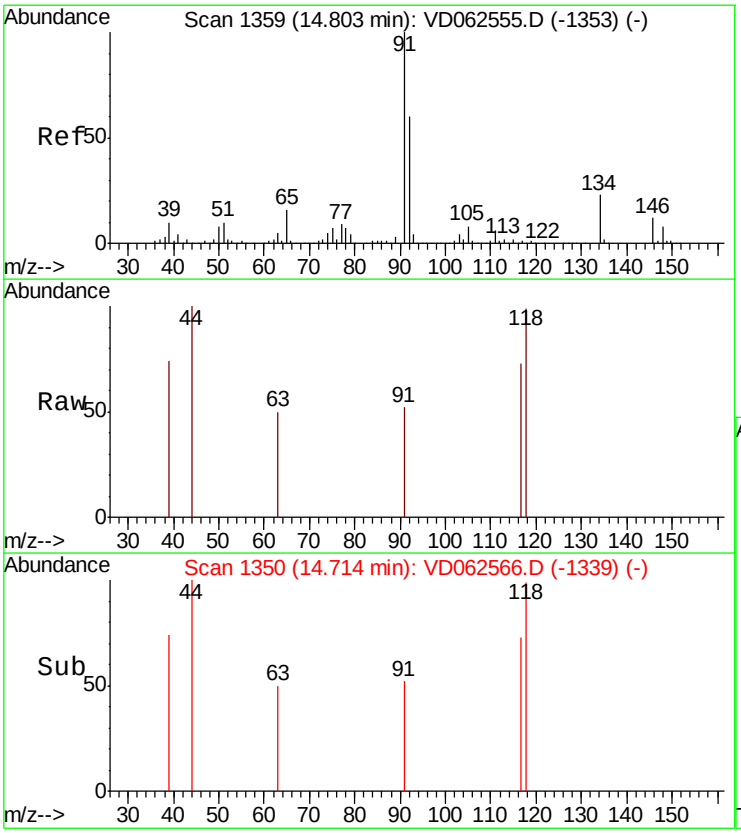
#85
sec-Butylbenzene
Concen: 13.344 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.14 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument : MSVOA_D
ClientSampleId : 20190423-HR-3

Tgt Ion:105 Resp: 2743

Ion	Ratio	Lower	Upper
105	100		
134	0.0	8.7	26.1#

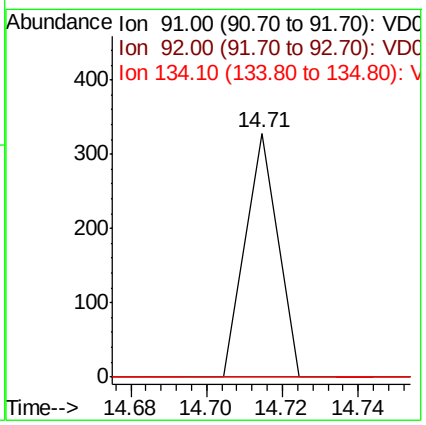


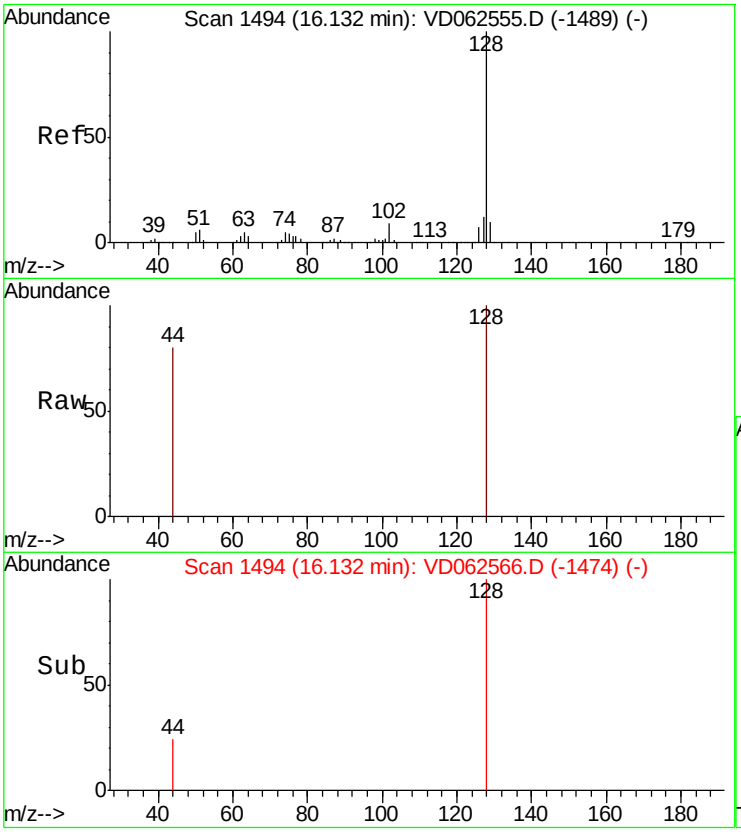


#89
n-Butylbenzene
Concen: 1.132 ug/l
RT: 14.71 min Scan# 1350
Delta R.T. -0.09 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Tgt Ion: 91 Resp: 194

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





#95
Naphthalene
Concen: 5.462 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD062566.D
Acq: 31 May 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
20190423-HR-3

Tgt Ion:128 Resp: 484

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