Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD053119\
Data File : VD062572.D
Acq On : 31 May 2019 19:03
Operator : VA/AP
Sample : K3097-12RE
Misc : 5.04g/5ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190432-HR-12RE

Quant Time: May 31 23:28:36 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	5908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	9776	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	9254	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	4981	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	6168	89.04	ug/l	-0.01
Spiked Amount 50.000			Recovery = 178.08%			
35) Dibromofluoromethane	6.93	113	3966	44.52	ug/l	-0.01
Spiked Amount 50.000			Recovery = 89.04%			
50) Toluene-d8	10.42	98	6998	35.85	ug/l	0.00
Spiked Amount 50.000			Recovery = 71.70%			
62) 4-Bromofluorobenzene	13.56	95	4190	47.60	ug/l	0.00
Spiked Amount 50.000			Recovery = 95.20%			
Target Compounds						Qvalue
3) Chloromethane	1.72	50	188	Below Cal	#	43
4) Vinyl Chloride	1.97	62	205	3.917	ug/l #	42
5) Bromomethane	2.12	94	1936	113.898	ug/l #	12
6) Chloroethane	2.23	64	181	7.374	ug/l #	45
10) Methyl Iodide	3.33	142	1289	17.391	ug/l #	27
14) Allyl chloride	3.52	41	195	2.702	ug/l #	7
16) Acetone	3.22	43	589	43.275	ug/l #	60
17) Carbon Disulfide	3.23	76	217	1.445	ug/l #	74
18) Methyl Acetate	3.52	43	226	10.173	ug/l #	63
23) Vinyl Acetate	4.99	43	183	2.046	ug/l #	80
37) Ethyl Acetate	6.35	43	219	5.338	ug/l #	72
38) Carbon Tetrachloride	7.06	117	200	1.380	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	180	5.053	ug/l #	42
55) 1,1,2-Trichloroethane	11.24	97	862	20.153	ug/l #	16
67) Ethyl Benzene	12.68	91	3004	9.095	ug/l	98
68) m/p-Xylenes	12.70	106	996	8.717	ug/l #	16
74) N-amyl acetate	13.22	43	190	2.269	ug/l #	51
78) n-propylbenzene	13.78	91	642	1.696	ug/l #	57
79) 2-Chlorotoluene	13.78	91	642	2.925	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.89	105	324	1.155	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.56	75	2839	165.800	ug/l #	5
82) 4-Chlorotoluene	13.95	91	339	1.290	ug/l #	41
84) 1,2,4-Trimethylbenzene	14.24	105	2002	7.002	ug/l	99
85) sec-Butylbenzene	14.24	105	2002	6.036	ug/l #	60
95) Naphthalene	16.14	128	587	4.106	ug/l #	71

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

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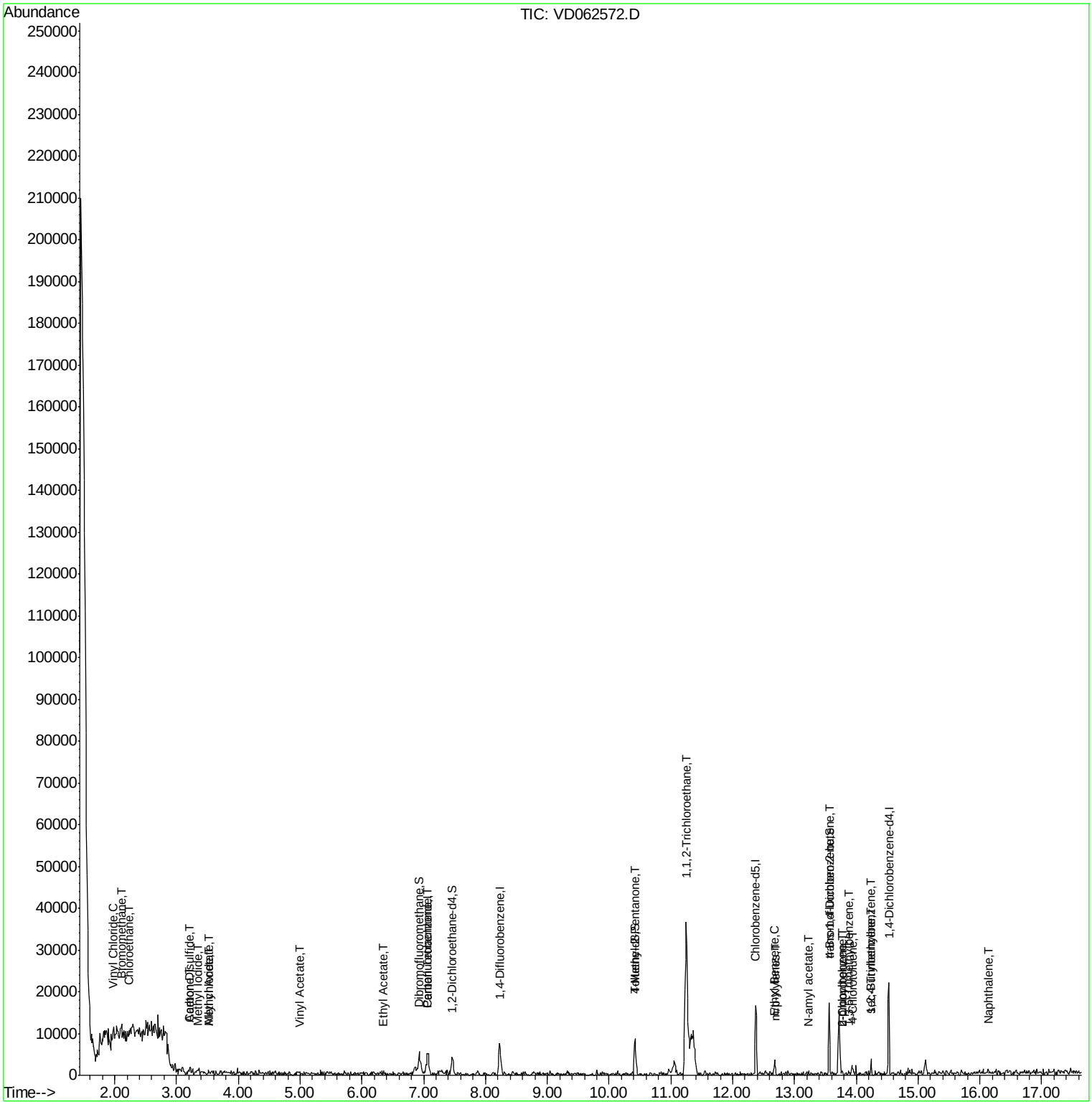
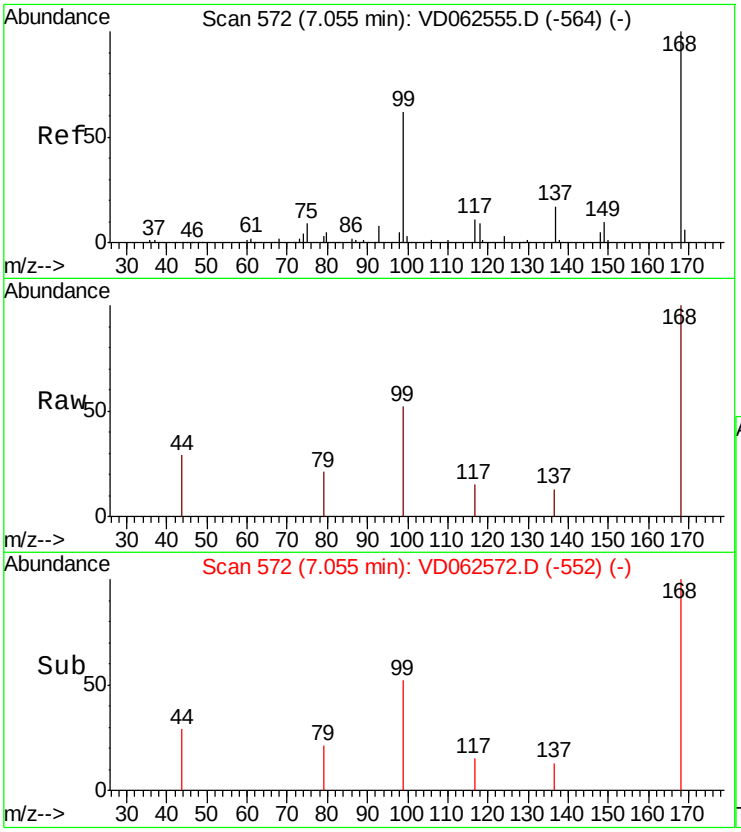


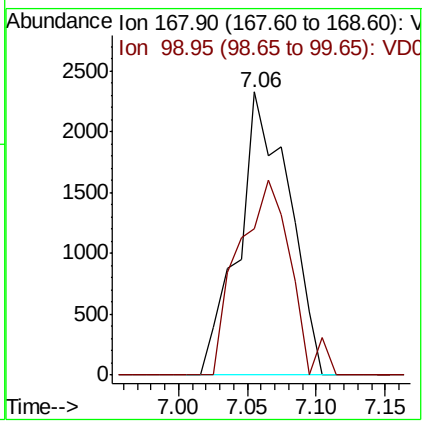


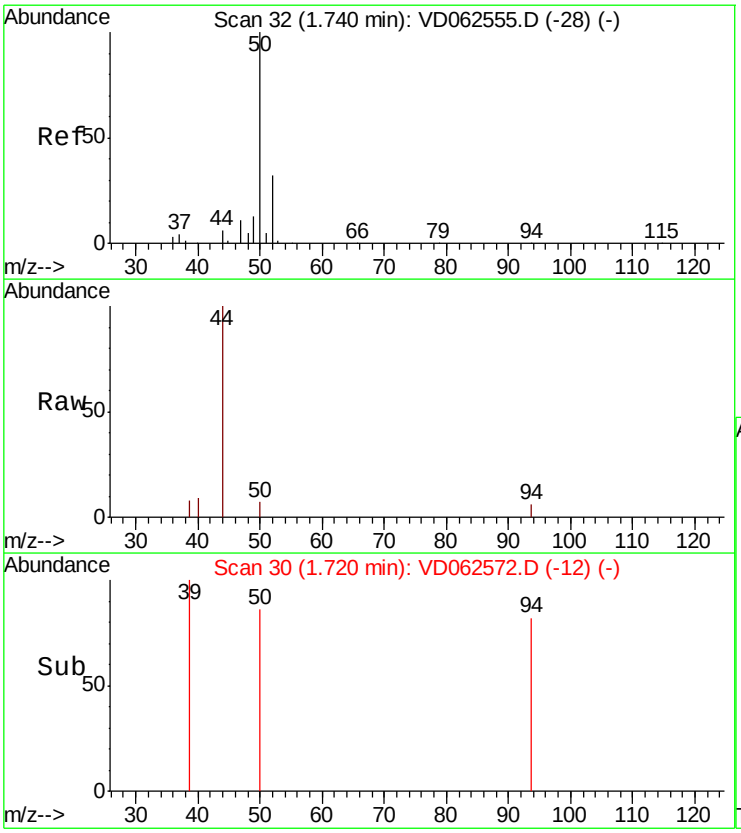
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.00 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion:168 Resp: 5908

Ion	Ratio	Lower	Upper
168	100		
99	51.7	50.8	76.2

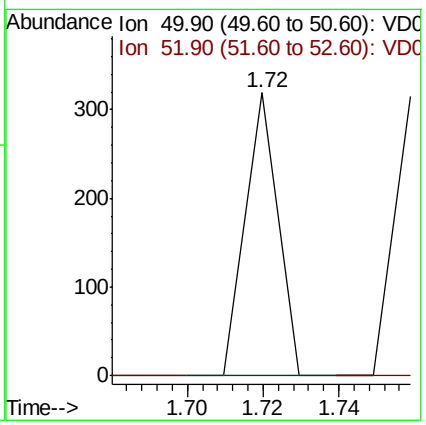


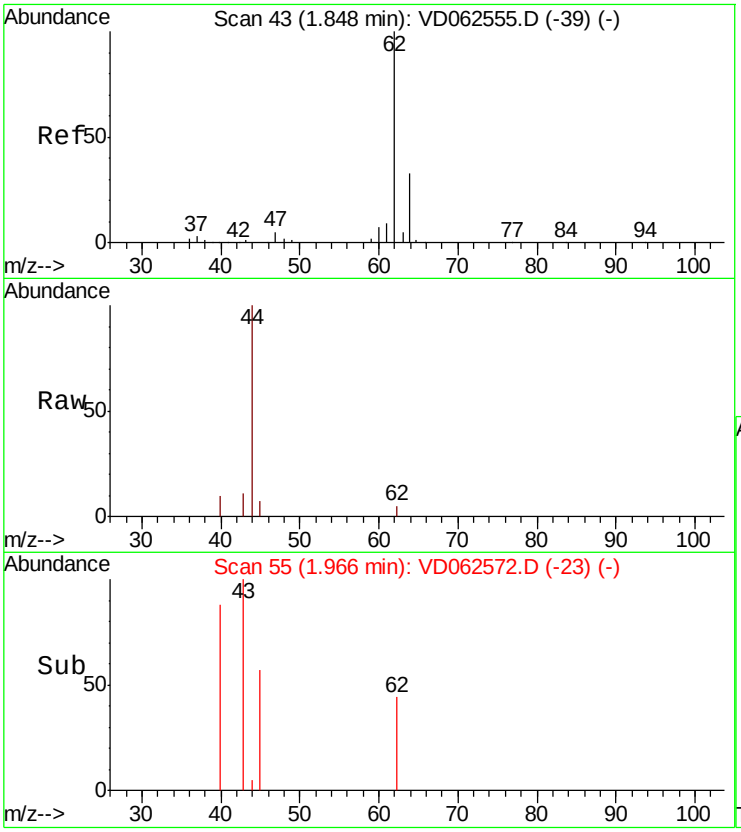


#3
Chloromethane
Concen: Below Cal
RT: 1.72 min Scan# 30
Delta R.T. -0.02 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion: 50 Resp: 188

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.4	38.2#



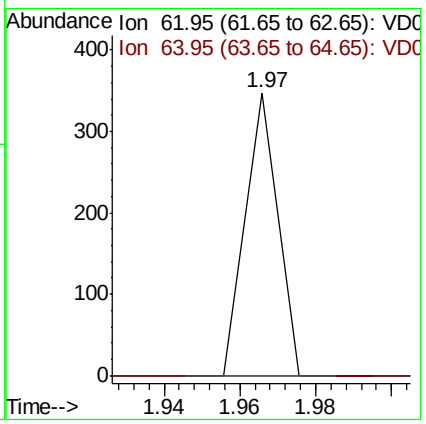


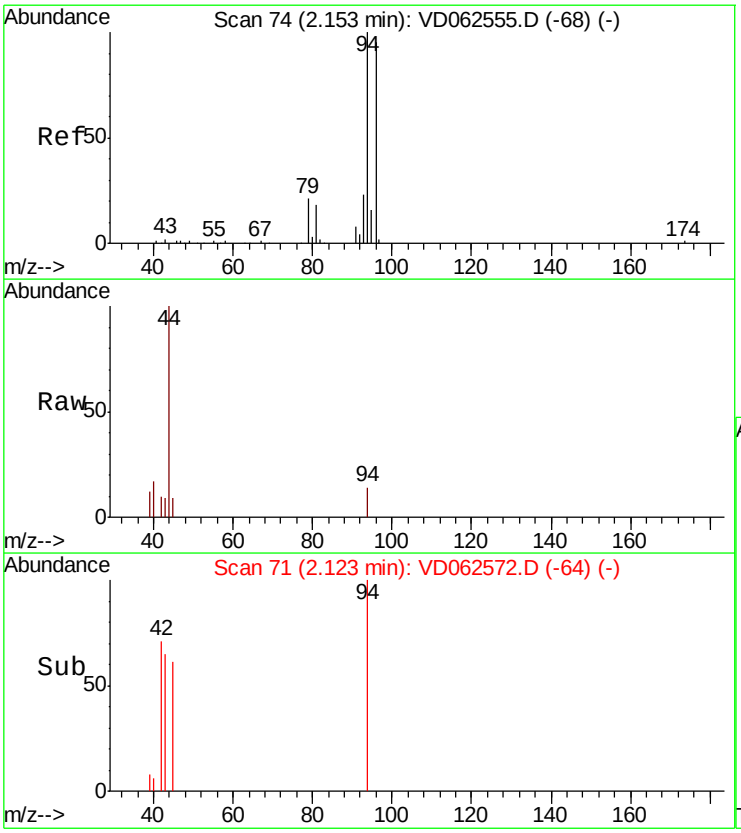
#4
Vinyl Chloride
Concen: 3.917 ug/l
RT: 1.97 min Scan# 55
Delta R.T. 0.12 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion: 62 Resp: 205

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.5	39.7#

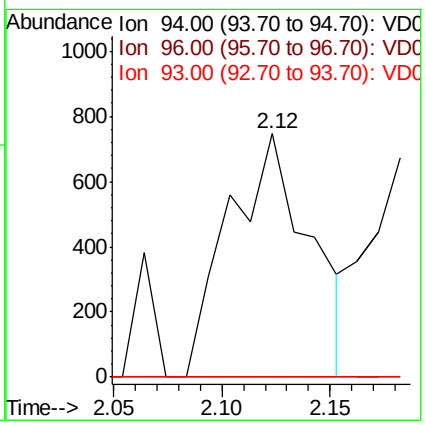


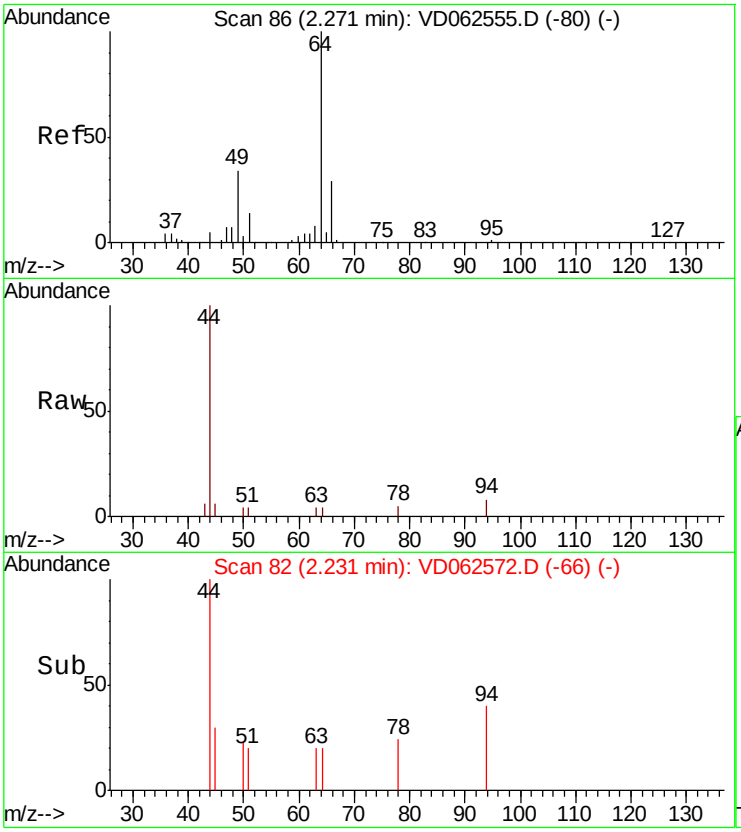


#5
Bromomethane
Concen: 113.898 ug/l
RT: 2.12 min Scan# 71
Delta R.T. -0.03 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion: 94 Resp: 1936

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



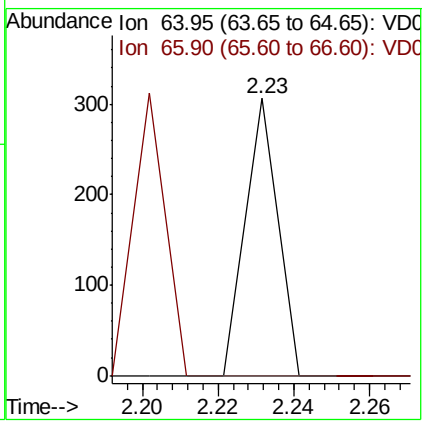


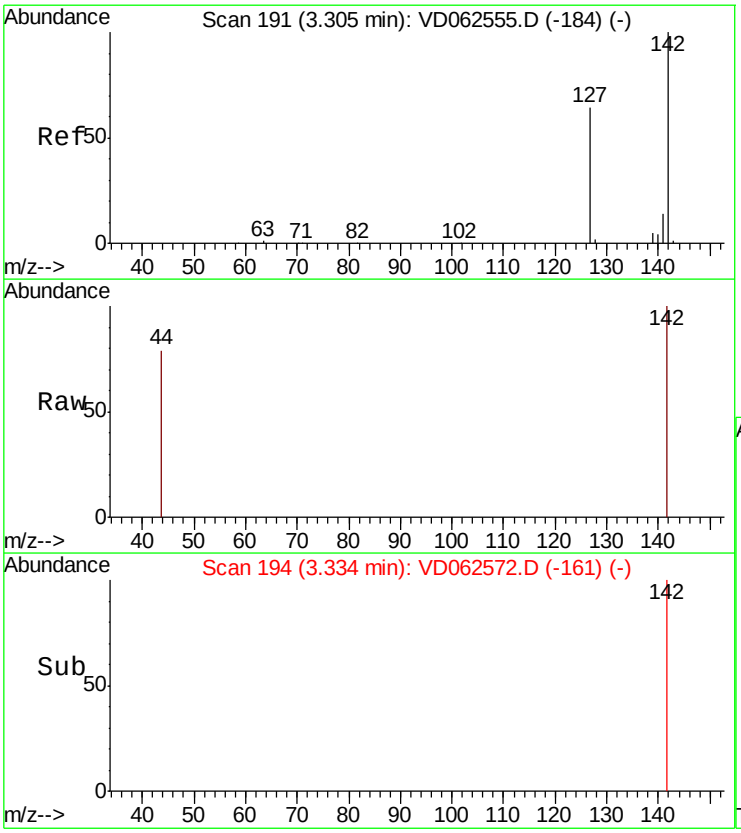
#6
Chloroethane
Concen: 7.374 ug/l
RT: 2.23 min Scan# 82
Delta R.T. -0.04 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion: 64 Resp: 181

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.4	35.2#

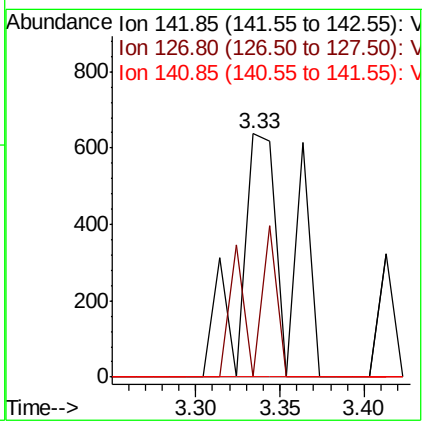


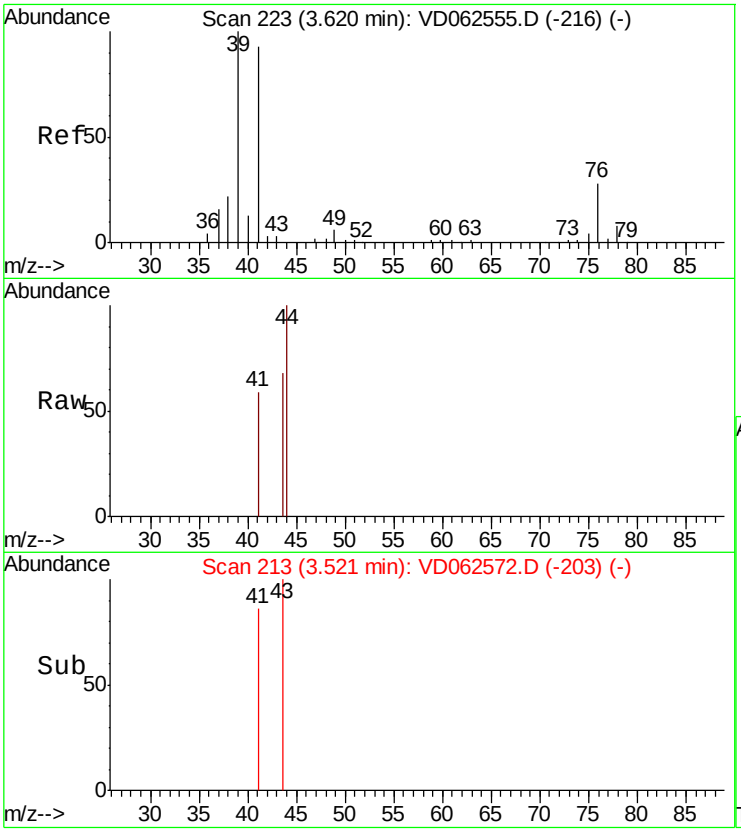


#10
Methyl Iodide
Concen: 17.391 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.03 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion:142 Resp: 1289

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



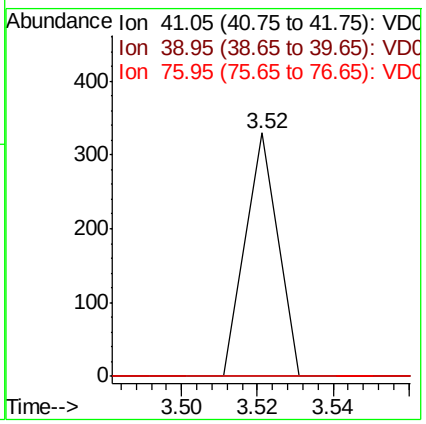


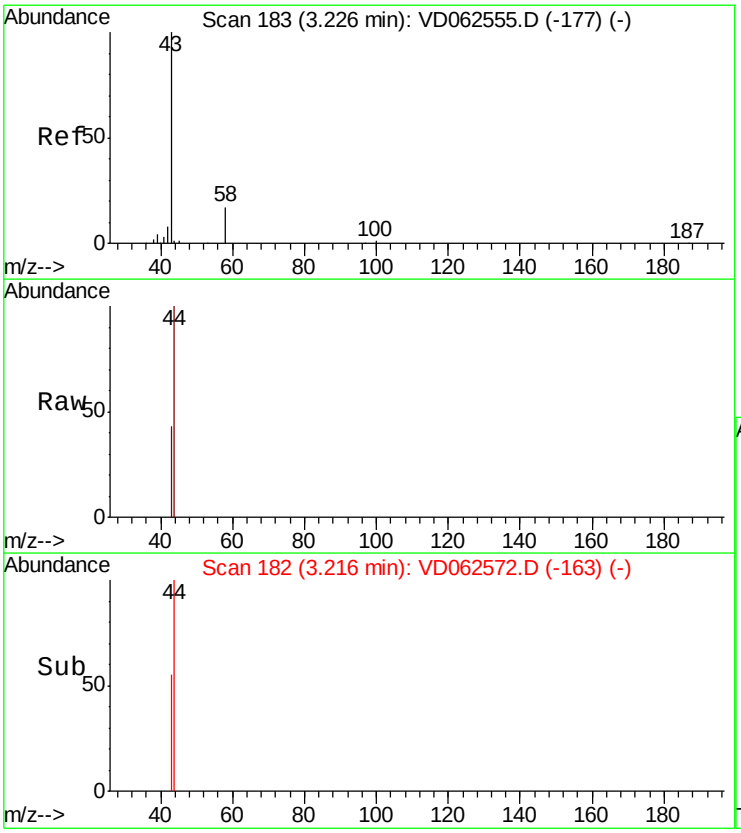
#14
Allyl chloride
Concen: 2.702 ug/l
RT: 3.52 min Scan# 213
Delta R.T. -0.10 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion: 41 Resp: 195

Ion	Ratio	Lower	Upper
41	100		
39	0.0	86.3	129.5#
76	0.0	25.5	38.3#

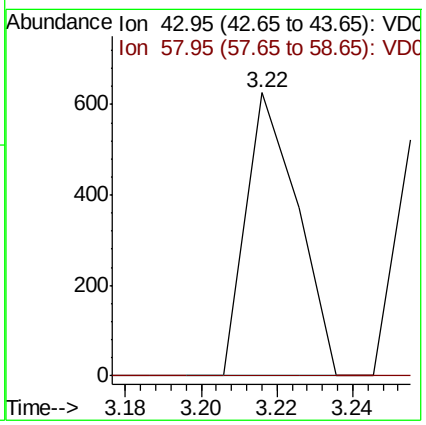


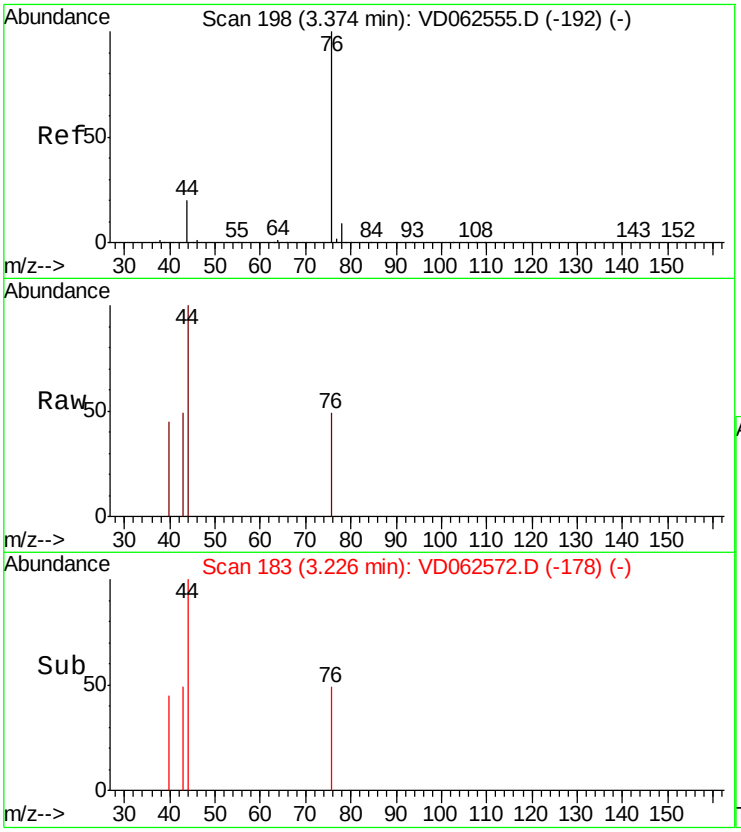


#16
Acetone
Concen: 43.275 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion: 43 Resp: 589

Ion	Ratio	Lower	Upper
43	100		
58	0.0	13.8	20.8#



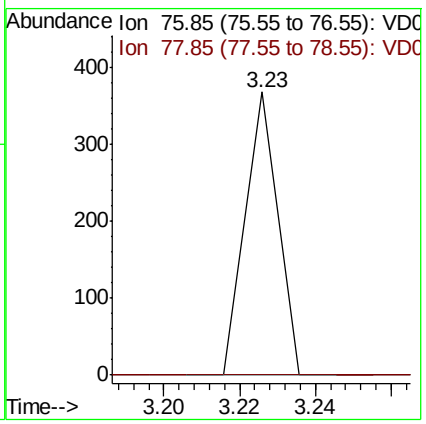


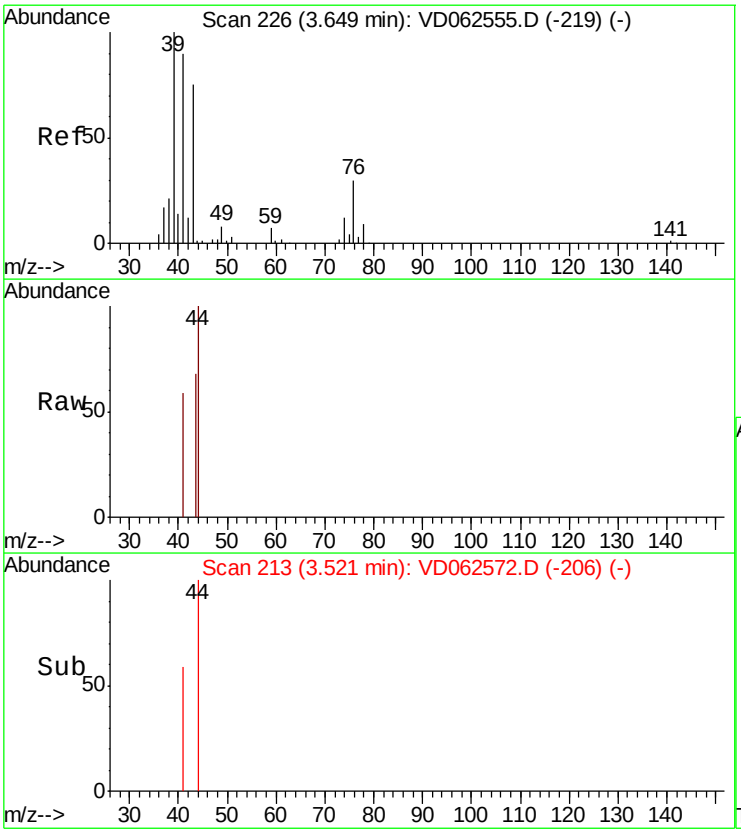
#17
Carbon Disulfide
Concen: 1.445 ug/l
RT: 3.23 min Scan# 183
Delta R.T. -0.15 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion: 76 Resp: 217

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.4	11.2#

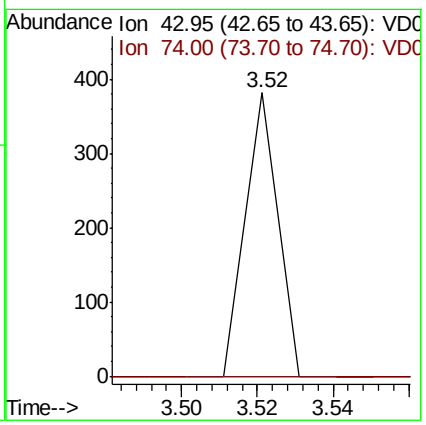


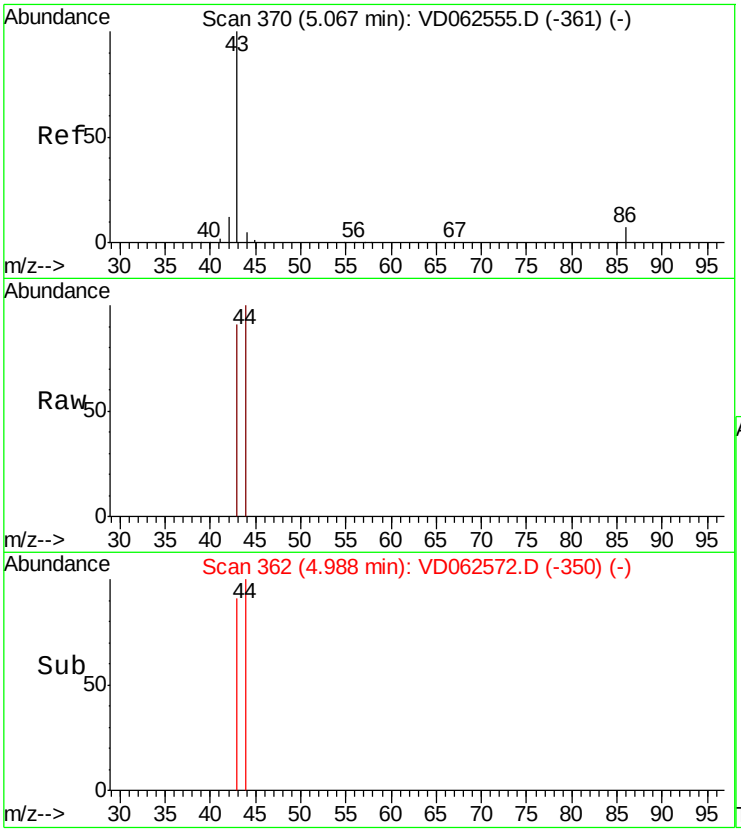


#18
Methyl Acetate
Concen: 10.173 ug/l
RT: 3.52 min Scan# 213
Delta R.T. -0.13 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion: 43 Resp: 226

Ion	Ratio	Lower	Upper
43	100		
74	0.0	12.5	18.7#



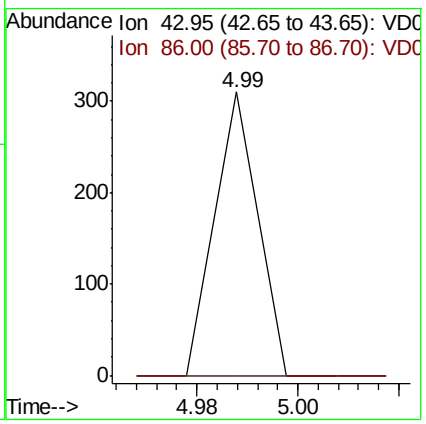


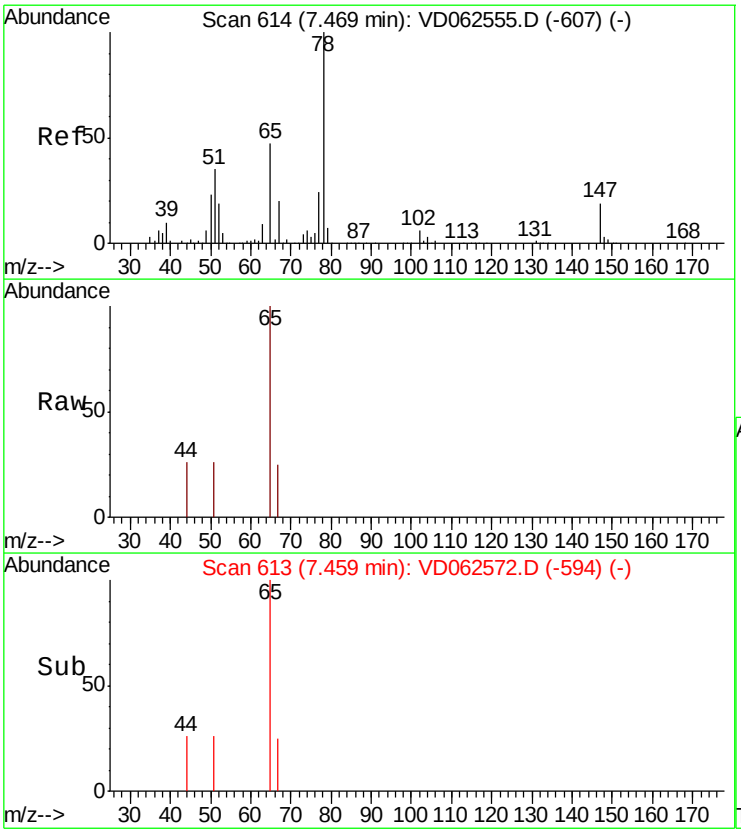
#23
Vinyl Acetate
Concen: 2.046 ug/l
RT: 4.99 min Scan# 362
Delta R.T. -0.08 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument : MSVOA_D
ClientSampleId : 20190432-HR-12RE

Tgt Ion: 43 Resp: 183

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#

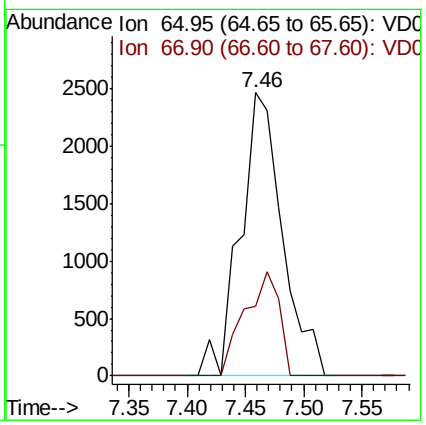


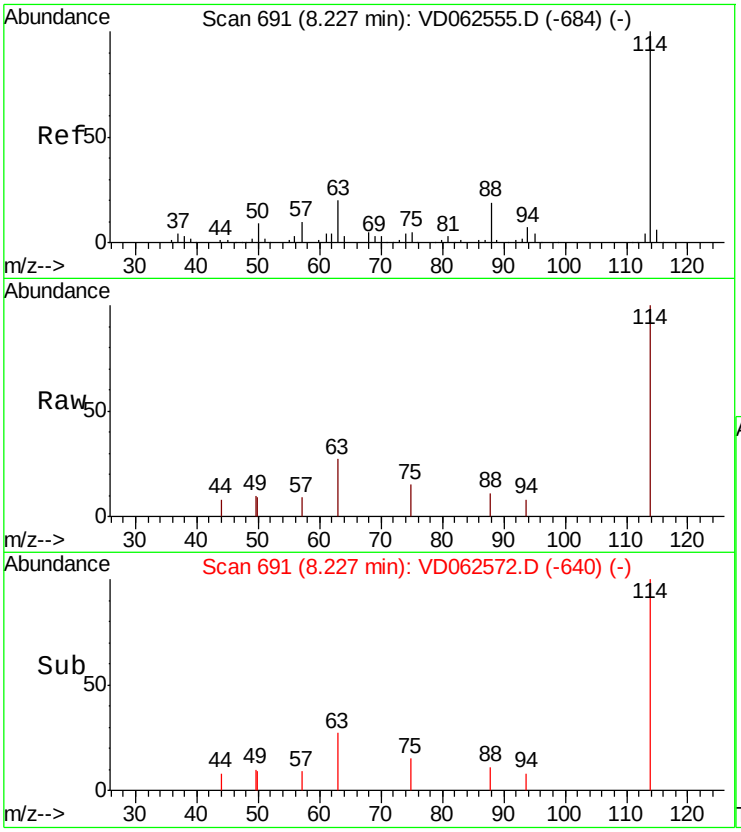


#33
1,2-Dichloroethane-d4
Concen: 89.039 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion: 65 Resp: 6168

Ion	Ratio	Lower	Upper
65	100		
67	24.5	0.0	83.6



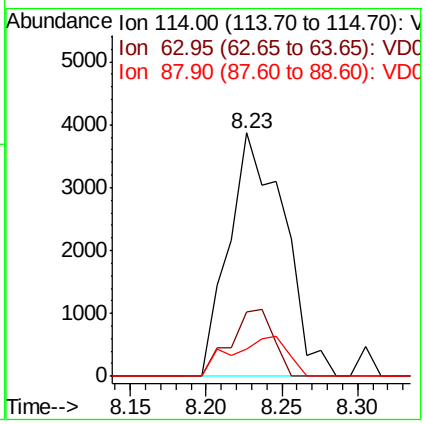


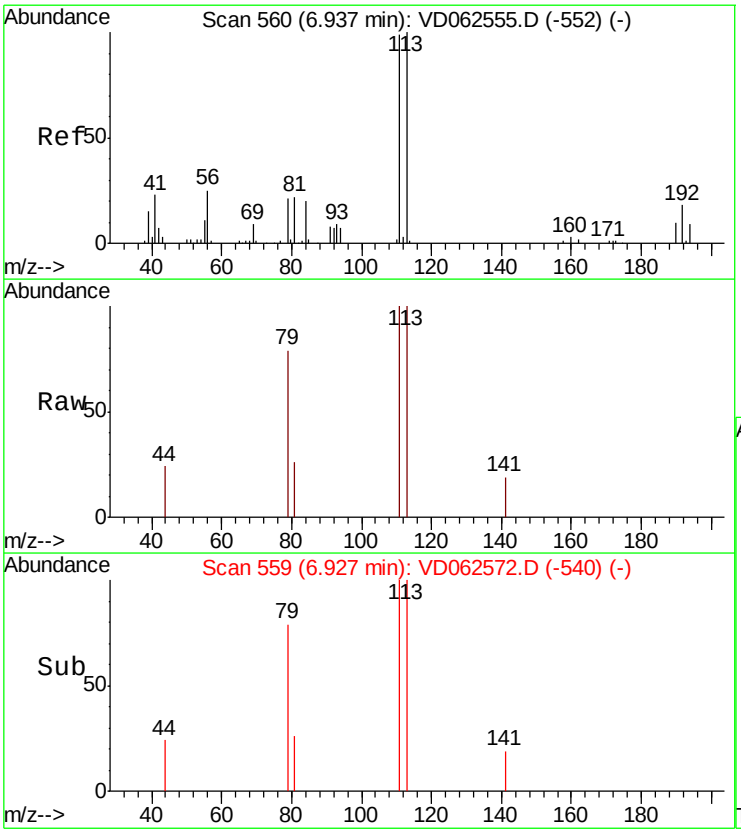
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 691
Delta R.T. -0.00 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion:114 Resp: 9776

Ion	Ratio	Lower	Upper
114	100		
63	26.6	0.0	40.6
88	11.2	0.0	37.6

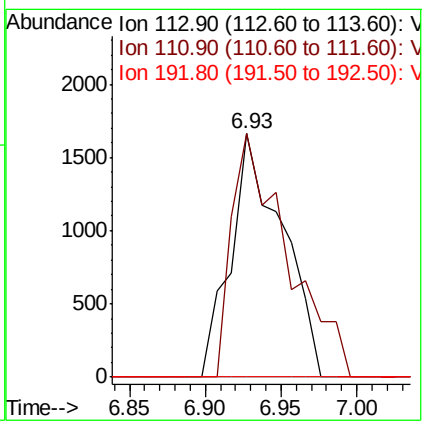


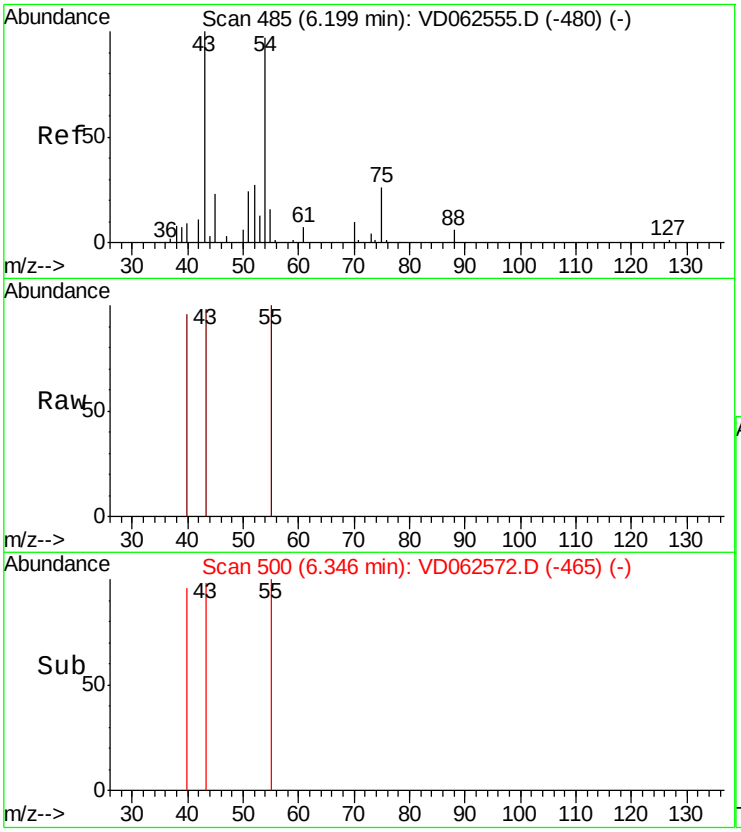


#35
Dibromofluoromethane
Concen: 44.519 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion:113 Resp: 3966

Ion	Ratio	Lower	Upper
113	100		
111	100.2	78.8	118.2
192	0.0	14.6	22.0#



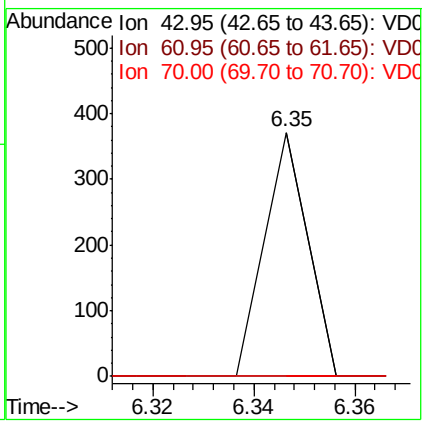


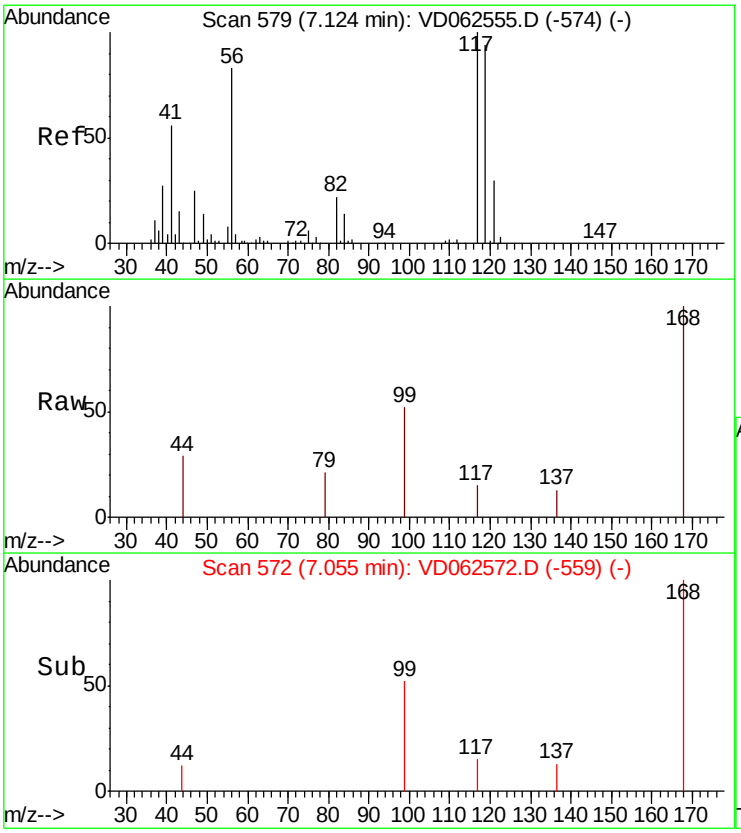
#37
Ethyl Acetate
Concen: 5.338 ug/l
RT: 6.35 min Scan# 500
Delta R.T. 0.15 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument : MSVOA_D
ClientSampleId : 20190432-HR-12RE

Tgt Ion: 43 Resp: 219

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

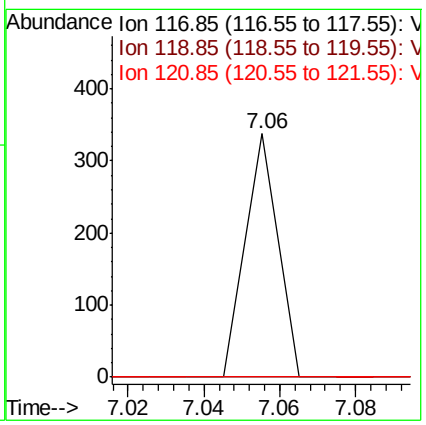


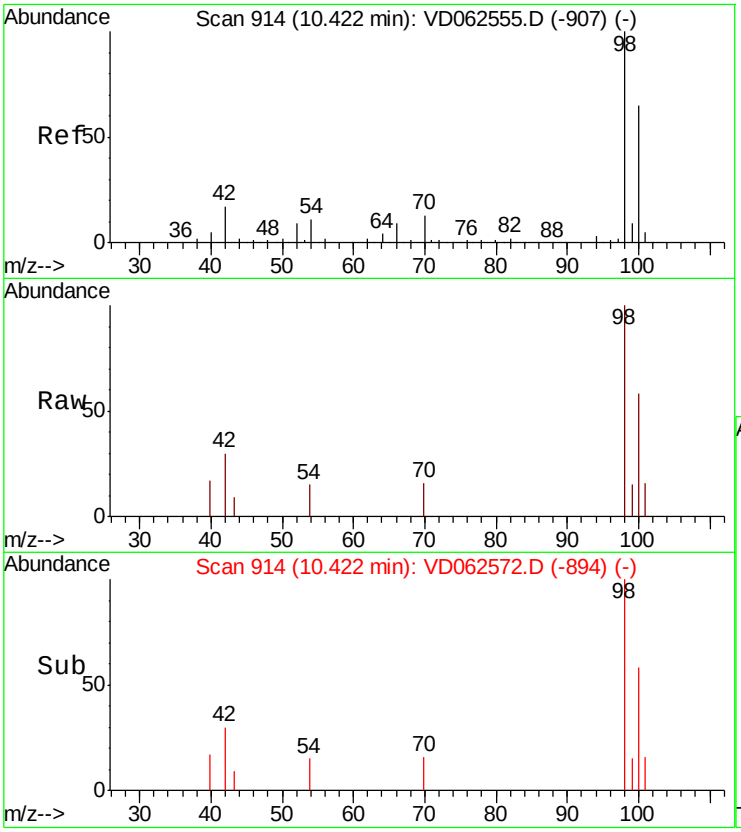


#38
Carbon Tetrachloride
Concen: 1.380 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.07 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion:117 Resp: 200

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



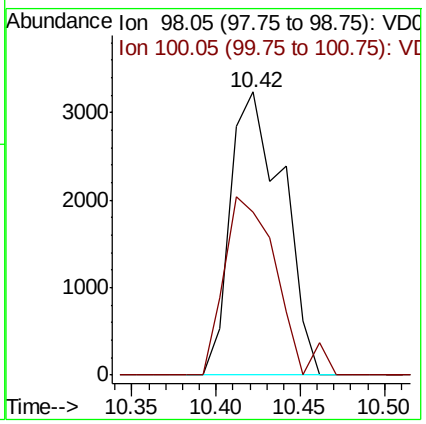


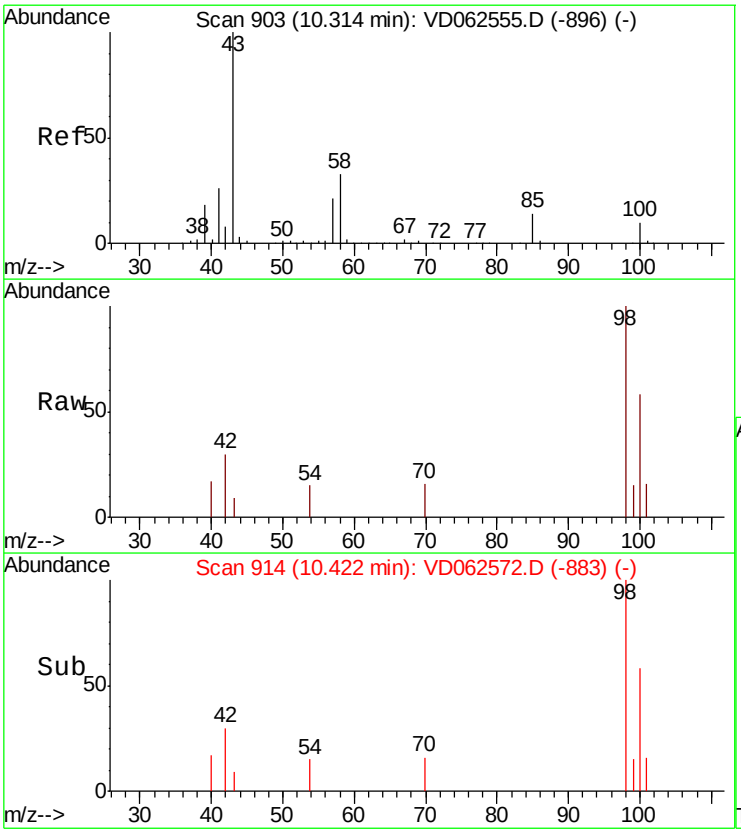
#50
Toluene-d8
Concen: 35.853 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument : MSVOA_D
ClientSampleId : 20190432-HR-12RE

Tgt Ion: 98 Resp: 6998

Ion	Ratio	Lower	Upper
98	100		
100	57.6	52.3	78.5

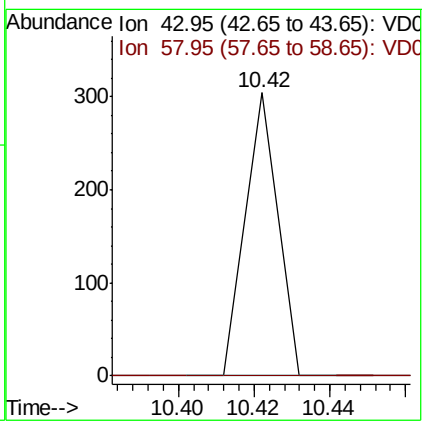


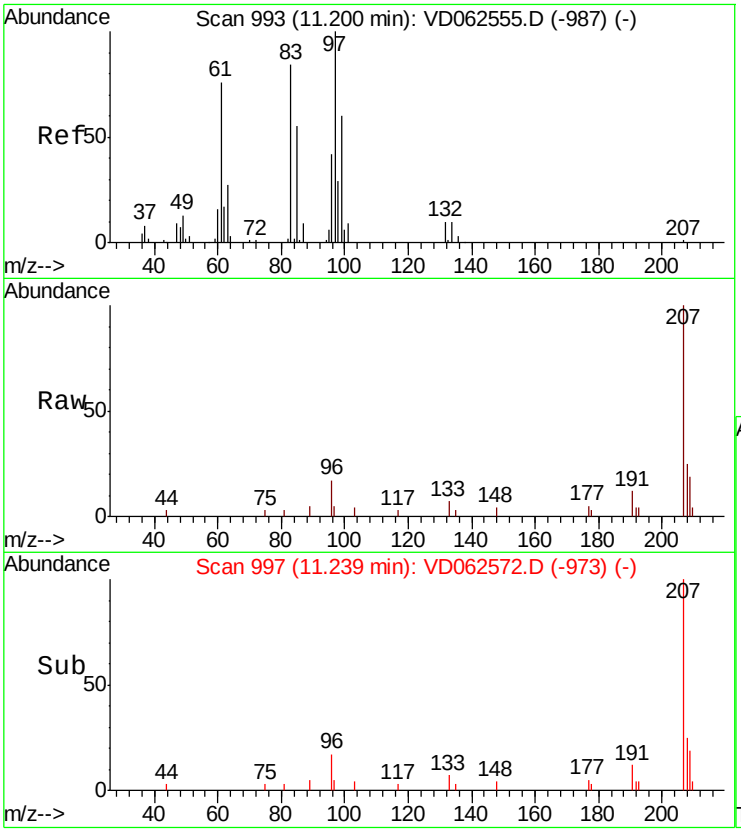


#51
4-Methyl-2-Pentanone
Concen: 5.053 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.11 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion: 43 Resp: 180

Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.1	39.1#



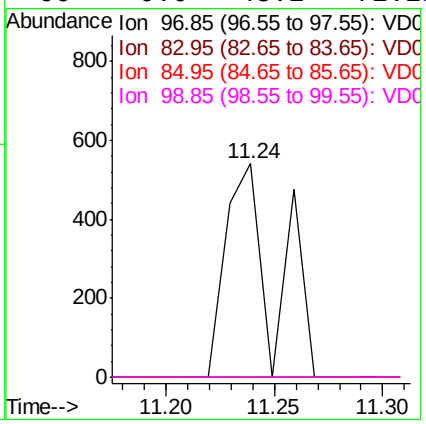


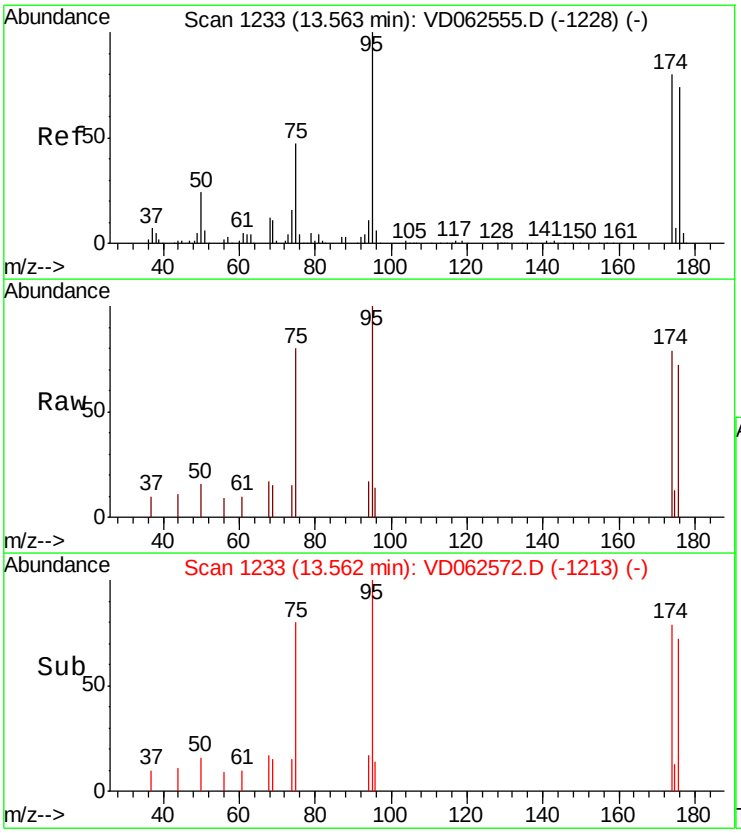
#55
1,1,2-Trichloroethane
Concen: 20.153 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.04 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion: 97 Resp: 862

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#

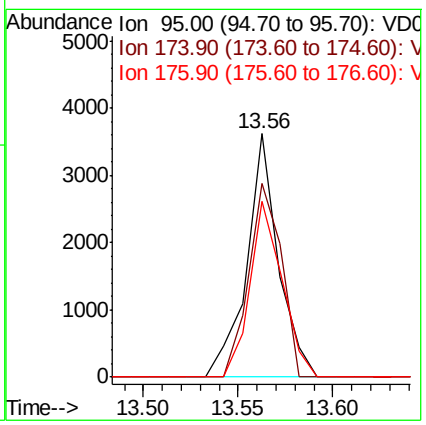


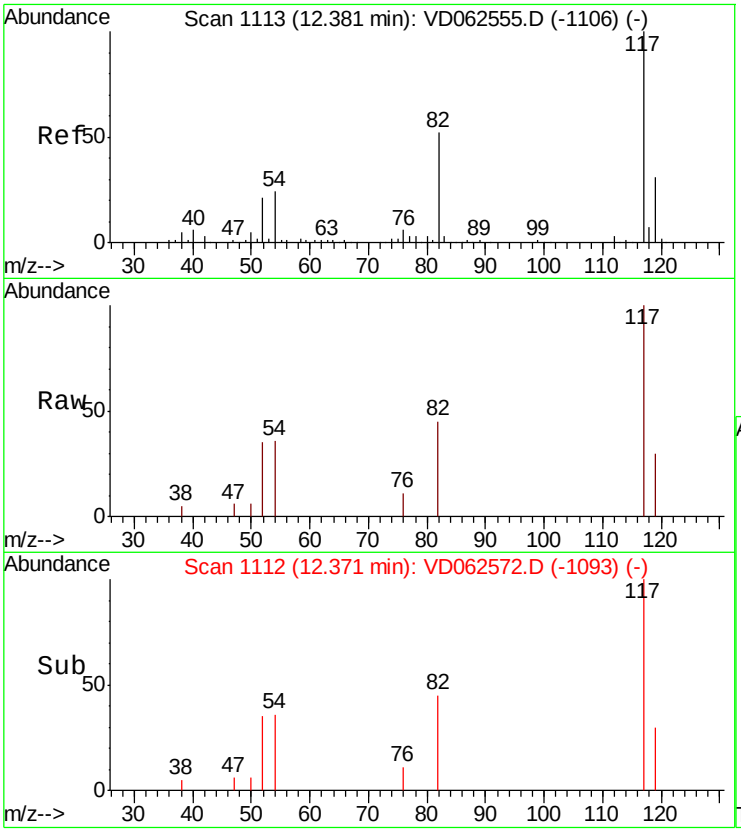


#62
4-Bromofluorobenzene
Concen: 47.601 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion: 95 Resp: 4190

Ion	Ratio	Lower	Upper
95	100		
174	79.4	0.0	160.2
176	72.4	0.0	148.0



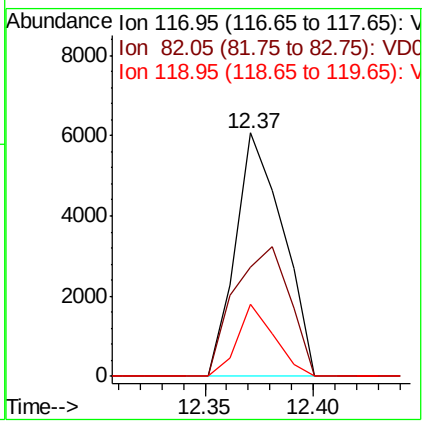


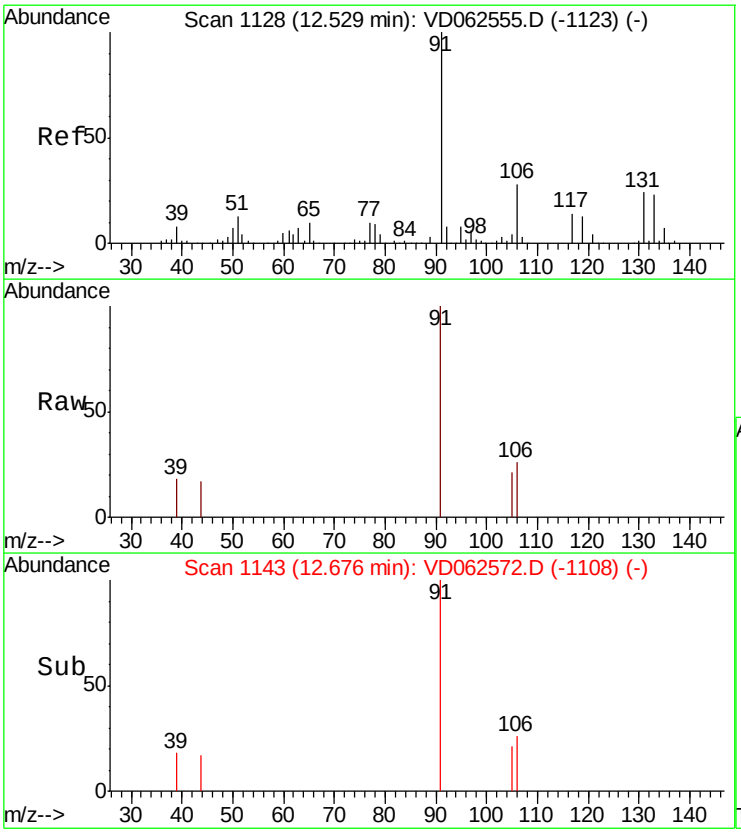
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument : MSVOA_D
ClientSampleId : 20190432-HR-12RE

Tgt Ion:117 Resp: 9254

Ion	Ratio	Lower	Upper
117	100		
82	45.0	41.4	62.2
119	29.9	24.9	37.3

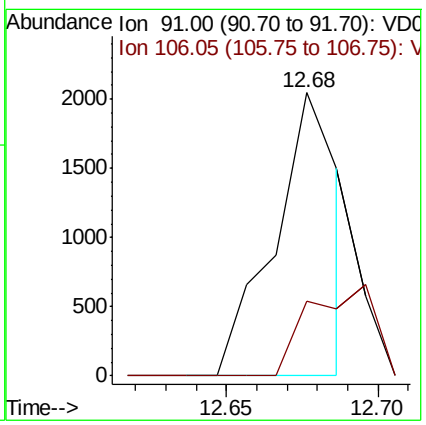


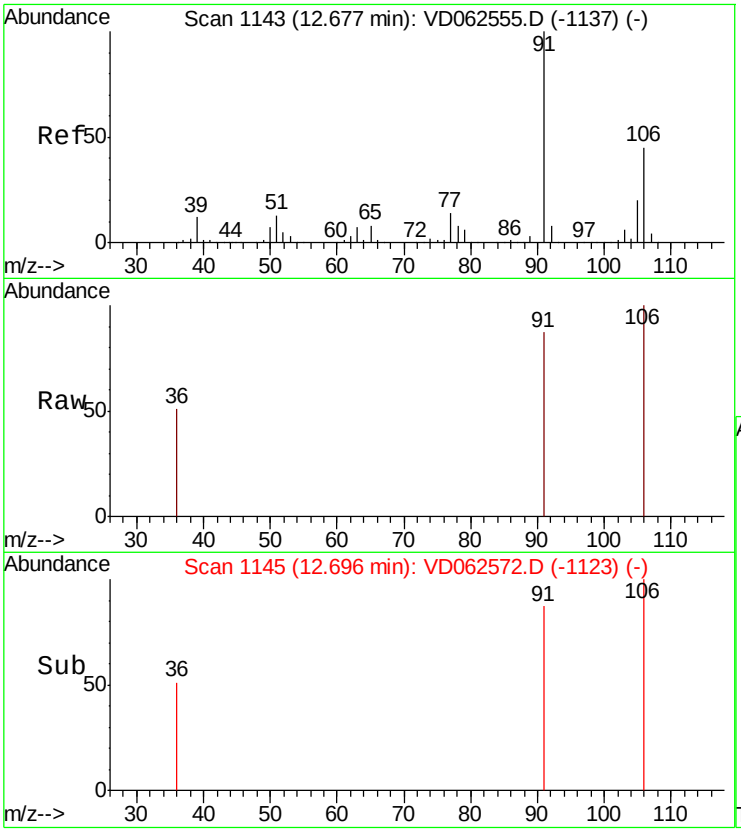


#67
Ethyl Benzene
Concen: 9.095 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.15 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion: 91 Resp: 3004

Ion	Ratio	Lower	Upper
91	100		
106	26.5	22.2	33.2



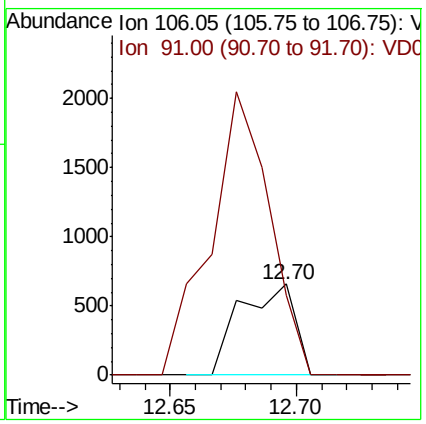


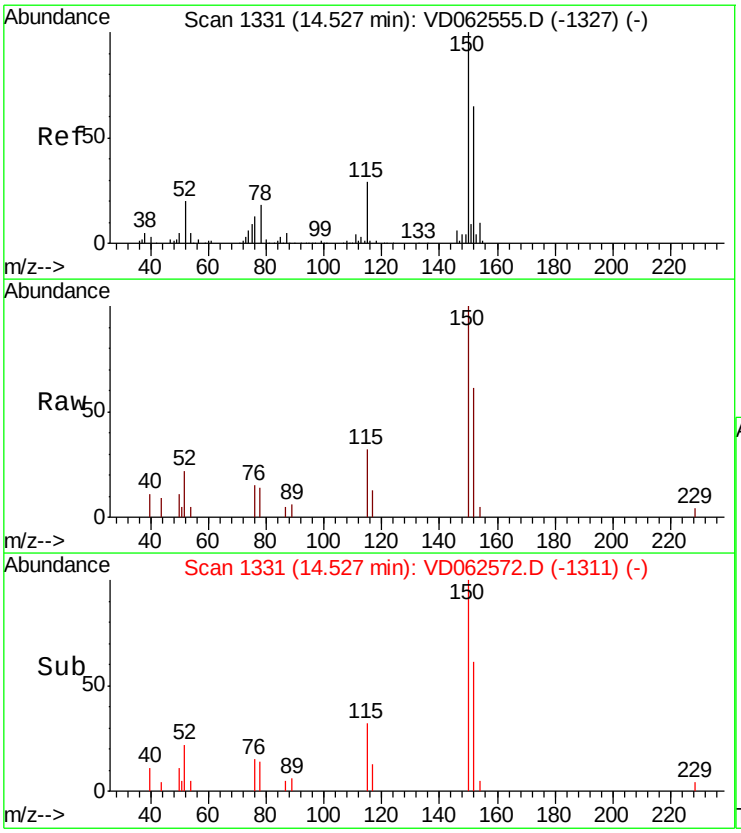
#68
m/p-Xylenes
Concen: 8.717 ug/l
RT: 12.70 min Scan# 1145
Delta R.T. 0.02 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion:106 Resp: 996

Ion	Ratio	Lower	Upper
106	100		
91	87.4	178.9	268.3#

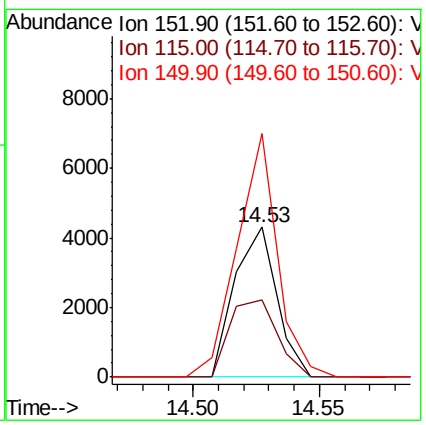


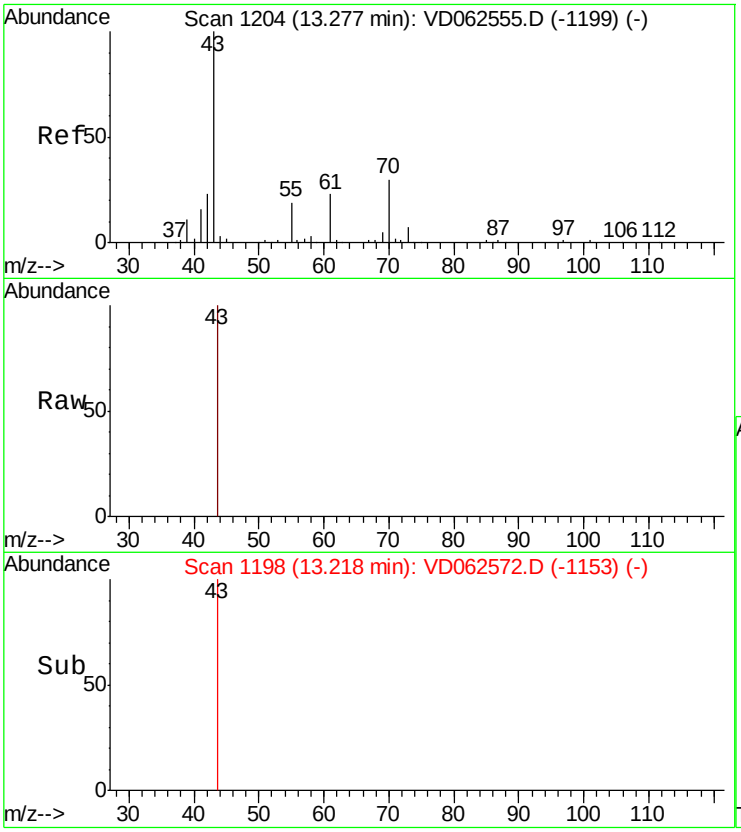


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion:152 Resp: 4981

Ion	Ratio	Lower	Upper
152	100		
115	51.3	28.4	85.3
150	162.7	0.0	310.4



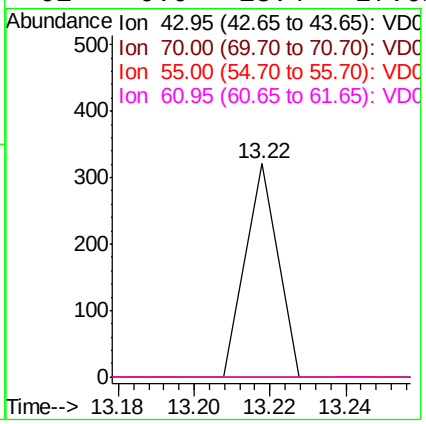


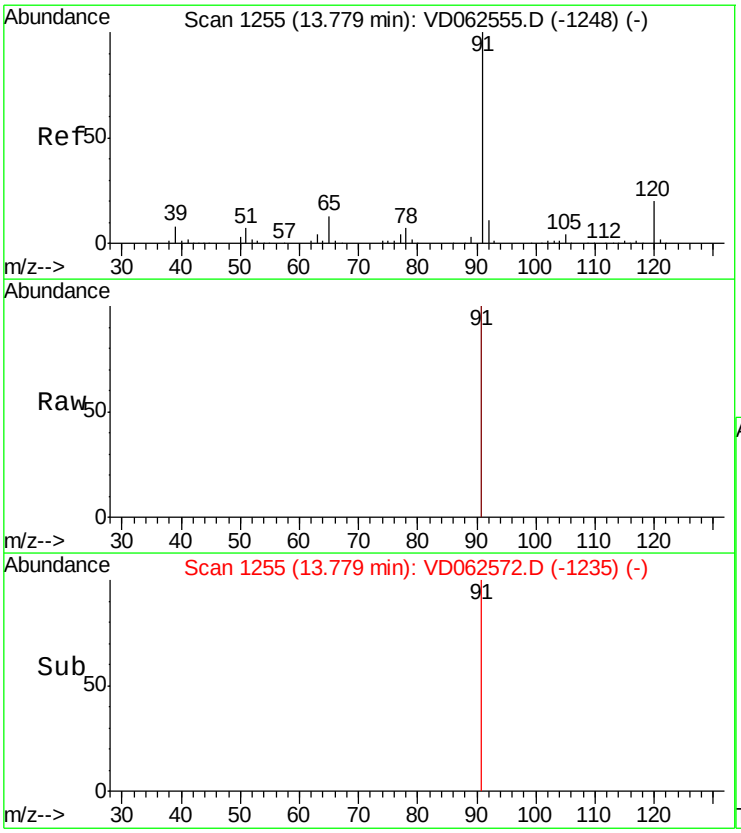
#74
N-amyl acetate
Concen: 2.269 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. -0.06 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument : MSVOA_D
ClientSampleId : 20190432-HR-12RE

Tgt Ion: 43 Resp: 190

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#

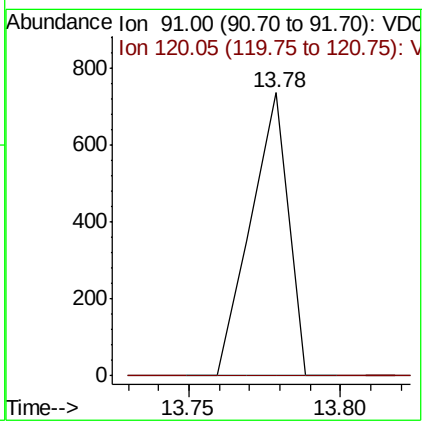


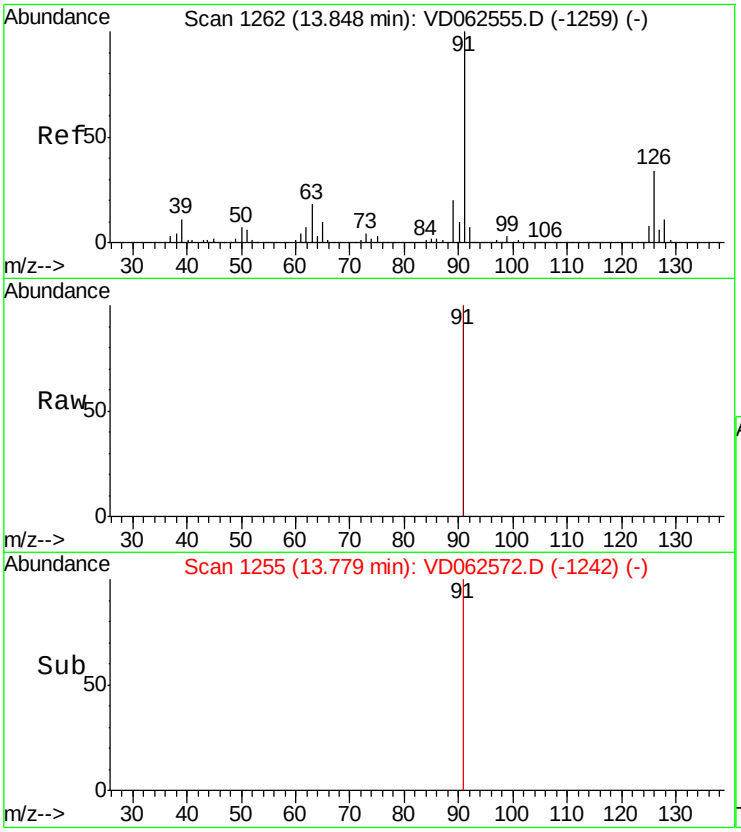


#78
n-propylbenzene
Concen: 1.696 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion: 91 Resp: 642

Ion	Ratio	Lower	Upper
91	100		
120	0.0	10.0	29.8#



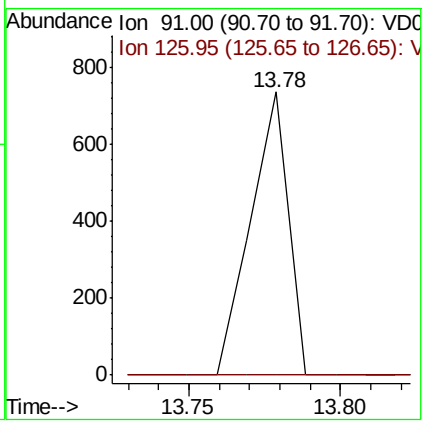


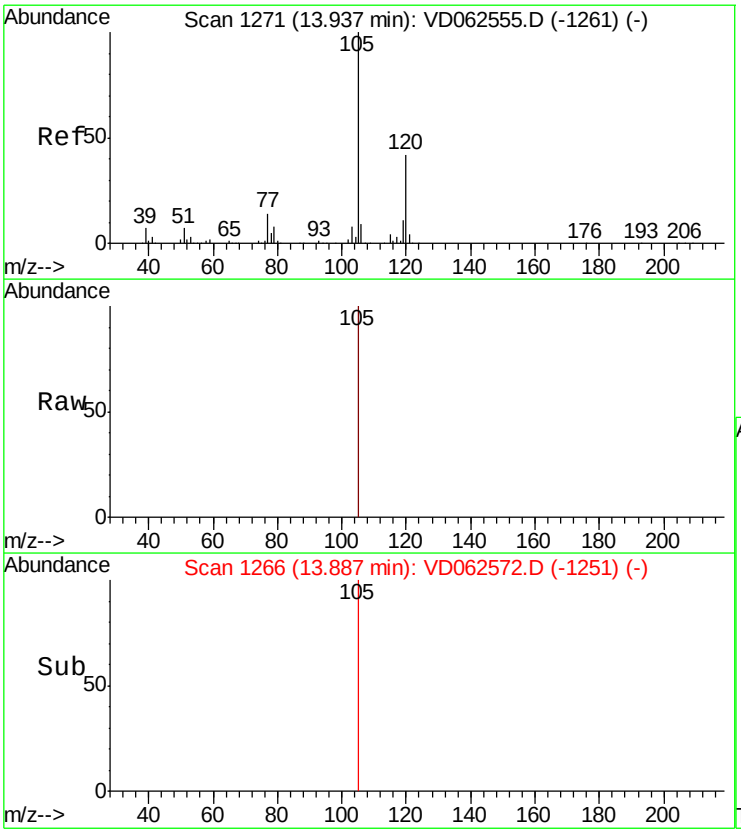
#79
2-Chlorotoluene
Concen: 2.925 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.07 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion: 91 Resp: 642

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.7	50.1#

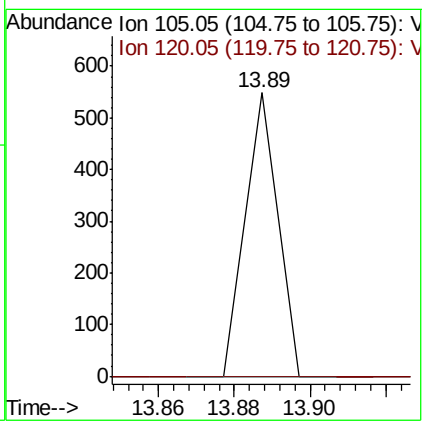


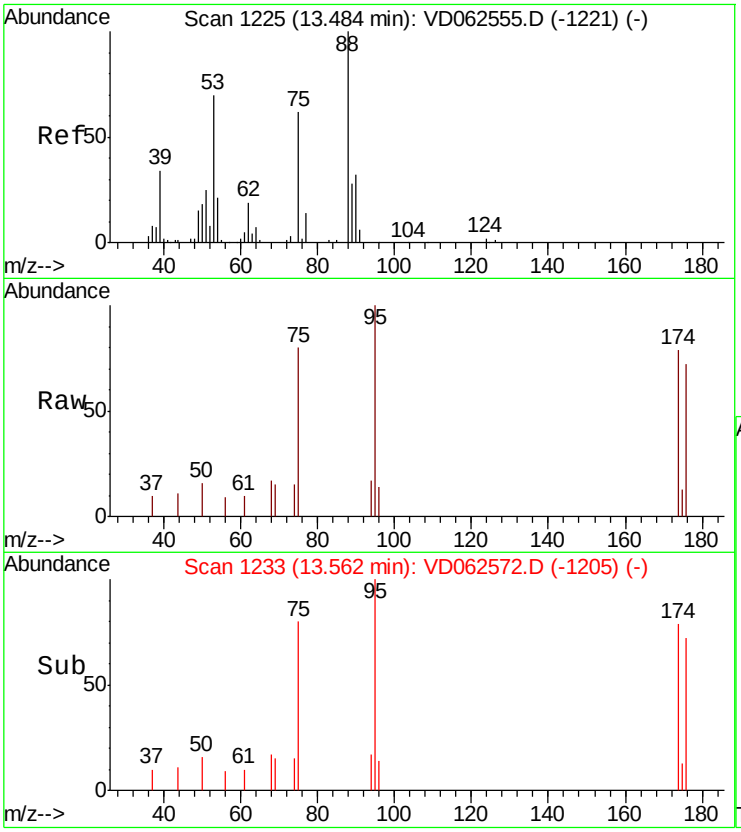


#80
1,3,5-Trimethylbenzene
Concen: 1.155 ug/l
RT: 13.89 min Scan# 1266
Delta R.T. -0.05 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion:105 Resp: 324

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.8	62.5#



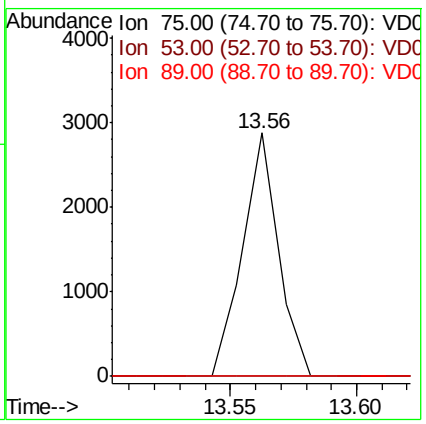


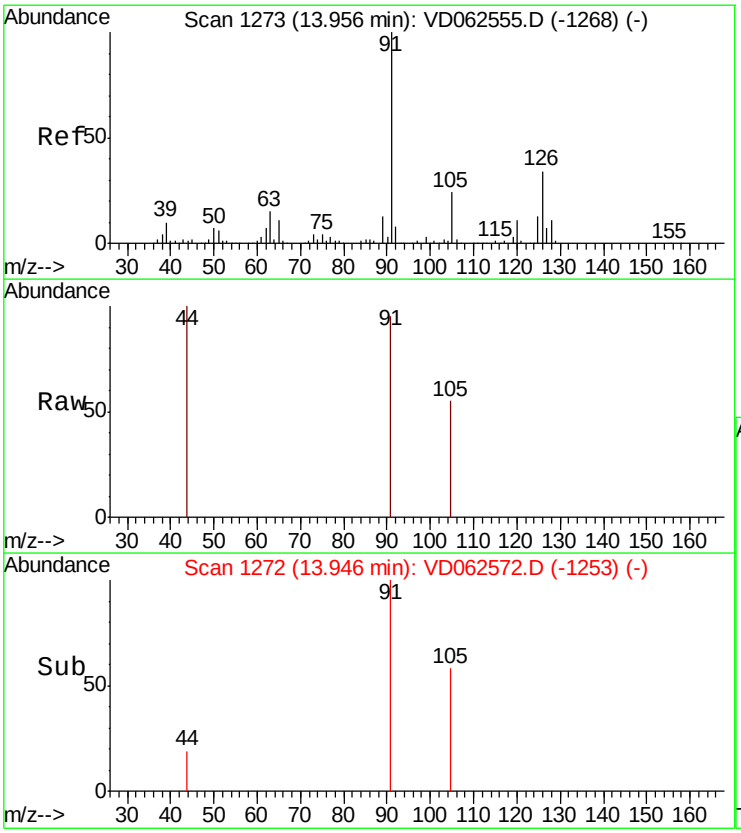
#81
trans-1,4-Dichloro-2-butene
Concen: 165.800 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion: 75 Resp: 2839

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

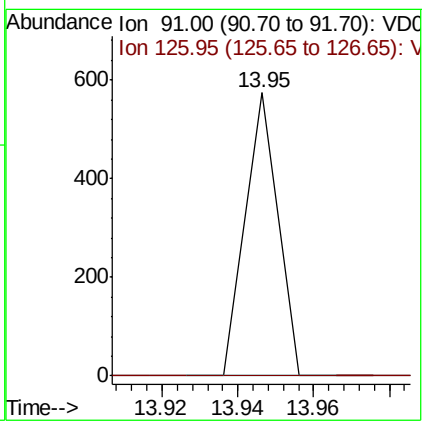


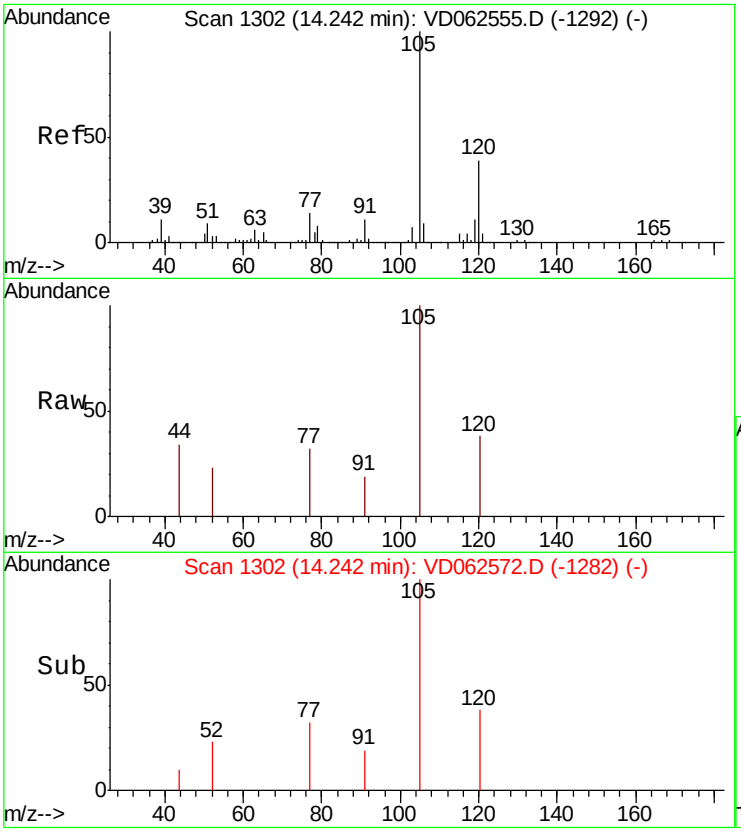


#82
4-Chlorotoluene
Concen: 1.290 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion: 91 Resp: 339

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.9	50.7#



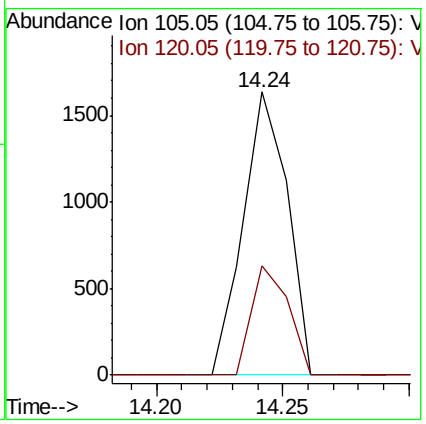


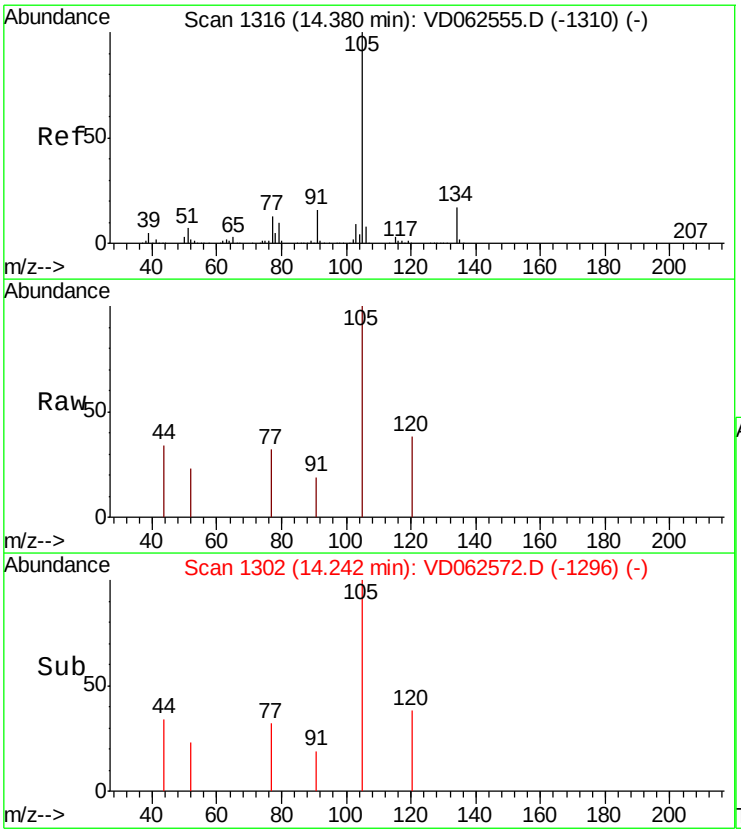
#84
1,2,4-Trimethylbenzene
Concen: 7.002 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion:105 Resp: 2002

Ion	Ratio	Lower	Upper
105	100		
120	38.5	19.6	58.8

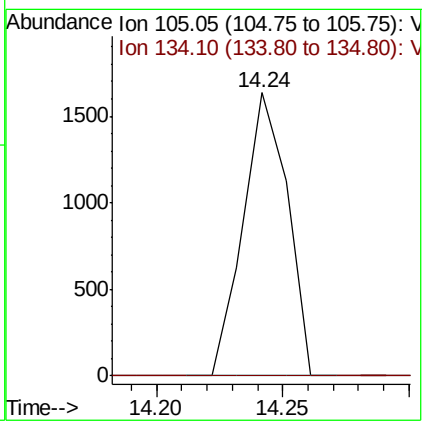


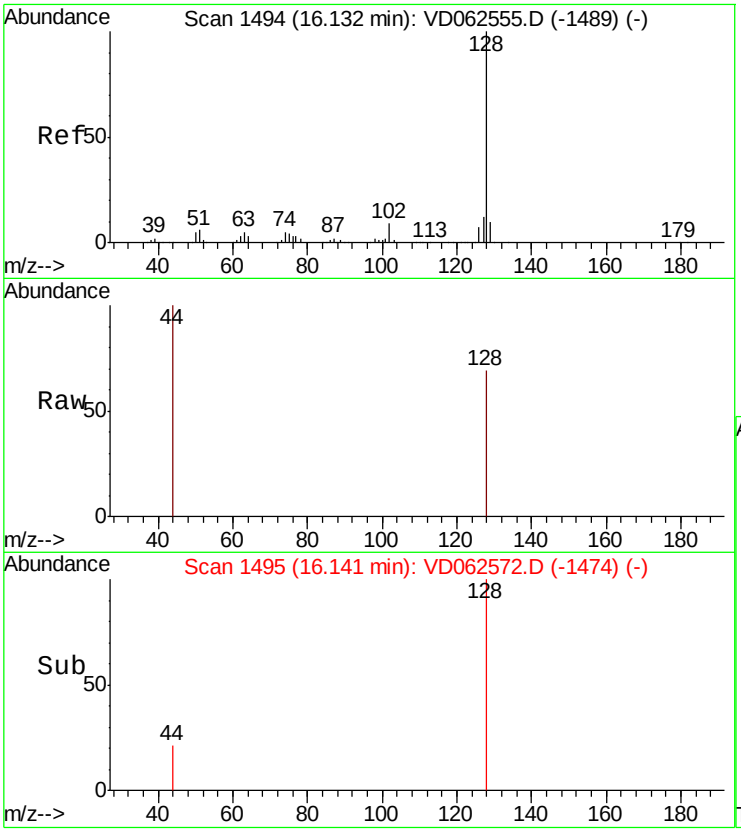


#85
sec-Butylbenzene
Concen: 6.036 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.14 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Tgt Ion:105 Resp: 2002

Ion	Ratio	Lower	Upper
105	100		
134	0.0	8.7	26.1#





#95
Naphthalene
Concen: 4.106 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD062572.D
Acq: 31 May 2019 19:03

Instrument :
MSVOA_D
ClientSampleId :
20190432-HR-12RE

Tgt Ion:128 Resp: 587

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