Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
Data File : VD063644.D
Acq On : 16 Aug 2019 18:04
Operator : JC/SY
Sample : K4389-06
Misc : 5.39g/5ml/MSVOA_D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Quant Time: Aug 17 06:02:52 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	7.04	168	17728	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	30530	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	20062	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	7361	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	16365	86.36	ug/l	-0.03
Spiked Amount 50.000			Recovery = 172.72%			
35) Dibromofluoromethane	6.91	113	14633	56.91	ug/l	-0.03
Spiked Amount 50.000			Recovery = 113.82%			
50) Toluene-d8	10.41	98	22587	39.96	ug/l	0.00
Spiked Amount 50.000			Recovery = 79.92%			
62) 4-Bromofluorobenzene	13.55	95	9096	35.50	ug/l	0.00
Spiked Amount 50.000			Recovery = 71.00%			
Target Compounds						Qvalue
3) Chloromethane	1.76	50	723	4.315	ug/l #	41
4) Vinyl Chloride	1.95	62	199	1.196	ug/l #	42
5) Bromomethane	2.13	94	3737	47.609	ug/l #	11
6) Chloroethane	2.14	64	458	6.021	ug/l #	42
7) Trichlorofluoromethane	2.37	101	403	1.235	ug/l #	17
8) Diethyl Ether	2.83	74	190	4.124	ug/l	79
12) 1,1-Dichloroethene	3.05	96	177	1.236	ug/l #	1
13) Acrolein	3.04	56	219	26.971	ug/l #	18
16) Acetone	3.22	43	12226	317.382	ug/l #	85
18) Methyl Acetate	3.62	43	195	2.673	ug/l #	57
20) Methylene Chloride	3.80	84	3193	19.169	ug/l #	79
21) trans-1,2-Dichloroethene	4.06	96	185	1.227	ug/l #	1
25) 2-Butanone	6.18	43	178	4.679	ug/l #	58
29) Tetrahydrofuran	6.45	42	622	35.086	ug/l #	35
31) Cyclohexane	7.02	56	224	1.309	ug/l #	4
36) 1,1-Dichloropropene	7.03	75	327	1.212	ug/l #	42
37) Ethyl Acetate	6.18	43	178	1.574	ug/l #	73
38) Carbon Tetrachloride	7.04	117	1998	4.912	ug/l #	13
39) Methylcyclohexane	8.85	83	253	1.102	ug/l #	11
41) Methacrylonitrile	6.46	41	454	3.188	ug/l #	37
43) Isopropyl Acetate	9.40	43	210	1.386	ug/l #	48
51) 4-Methyl-2-Pentanone	10.28	43	206	1.988	ug/l #	40
59) 2-Hexanone	11.52	43	216	2.864	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	3532	155.554	ug/l #	1
87) 1,3-Dichlorobenzene	14.53	146	235	1.015	ug/l #	35
88) 1,4-Dichlorobenzene	14.53	146	235	1.058	ug/l #	32
91) 1,2-Dichlorobenzene	14.80	146	443	2.256	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.95	180	201	1.391	ug/l #	10
94) Hexachlorobutadiene	16.02	225	229	2.079	ug/l #	19
95) Naphthalene	16.11	128	222	1.014	ug/l #	71

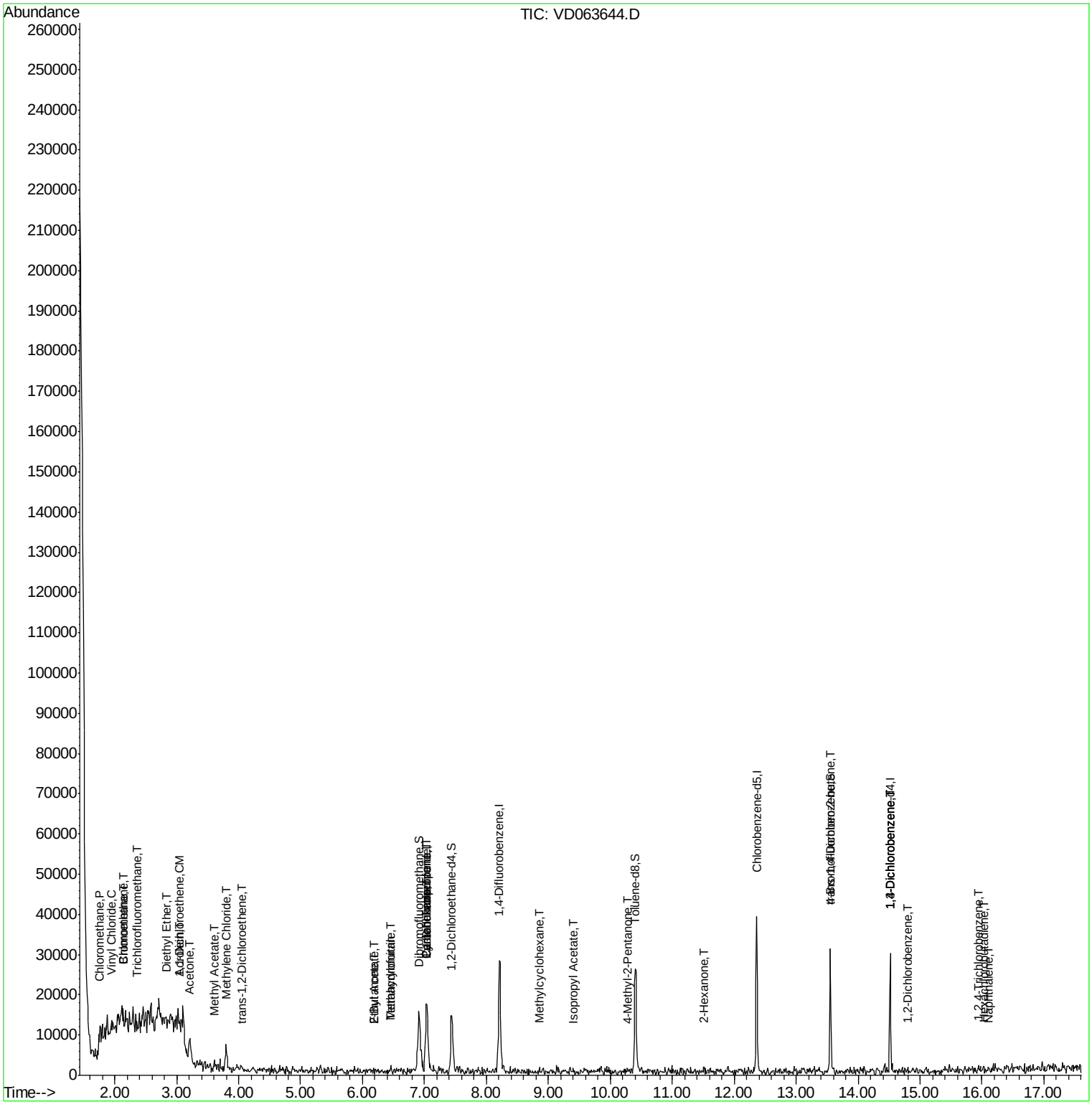
(#) = qualifier out of range (m) = manual integration (+) = signals summed

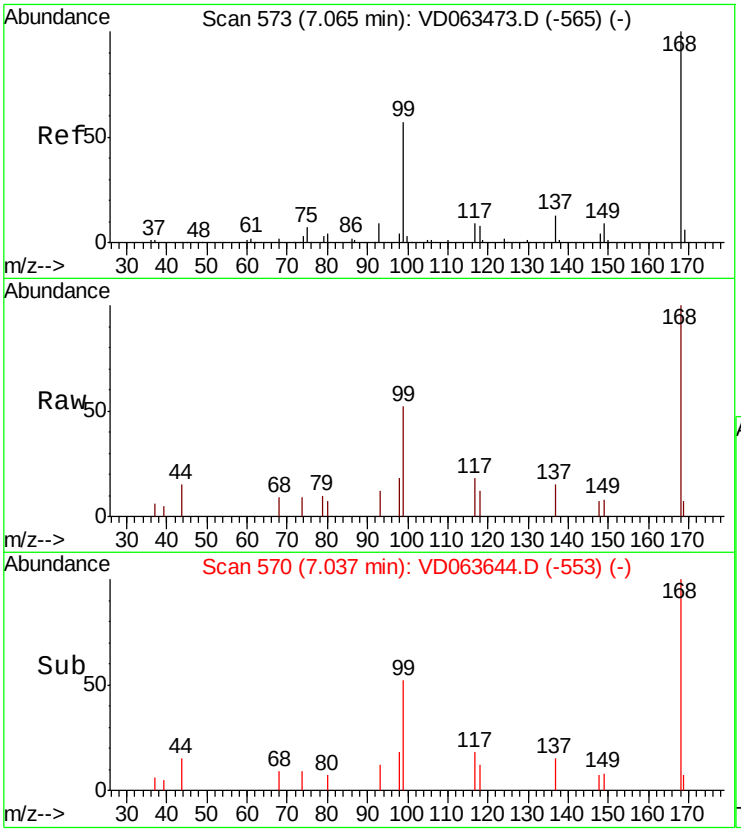
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
Data File : VD063644.D
Acq On : 16 Aug 2019 18:04
Operator : JC/SY
Sample : K4389-06
Misc : 5.39g/5ml/MSVOA_D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

Quant Time: Aug 17 06:02:52 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



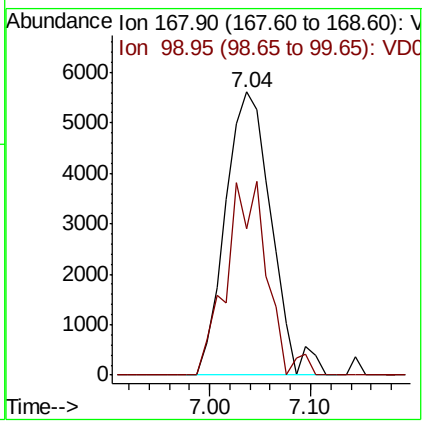


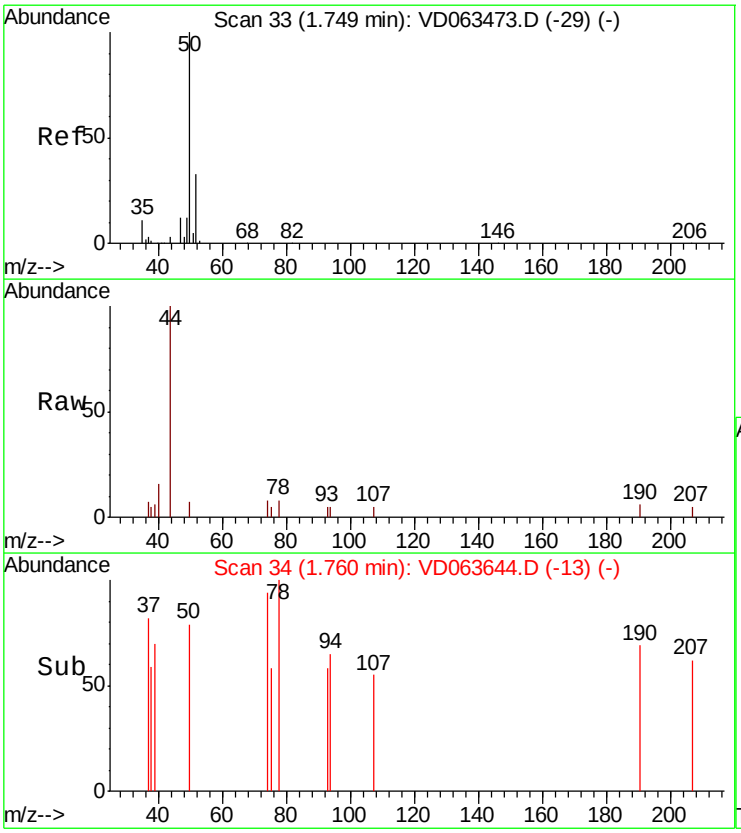
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

Tgt Ion:168 Resp: 17728

Ion	Ratio	Lower	Upper
168	100		
99	51.6	46.7	70.1

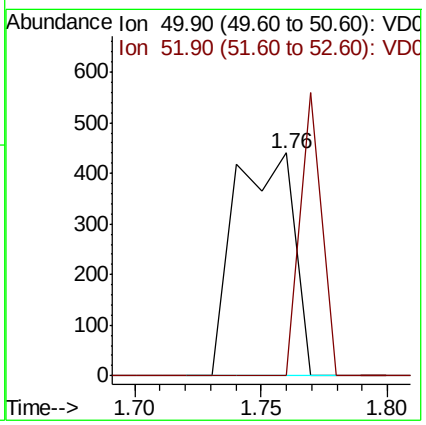


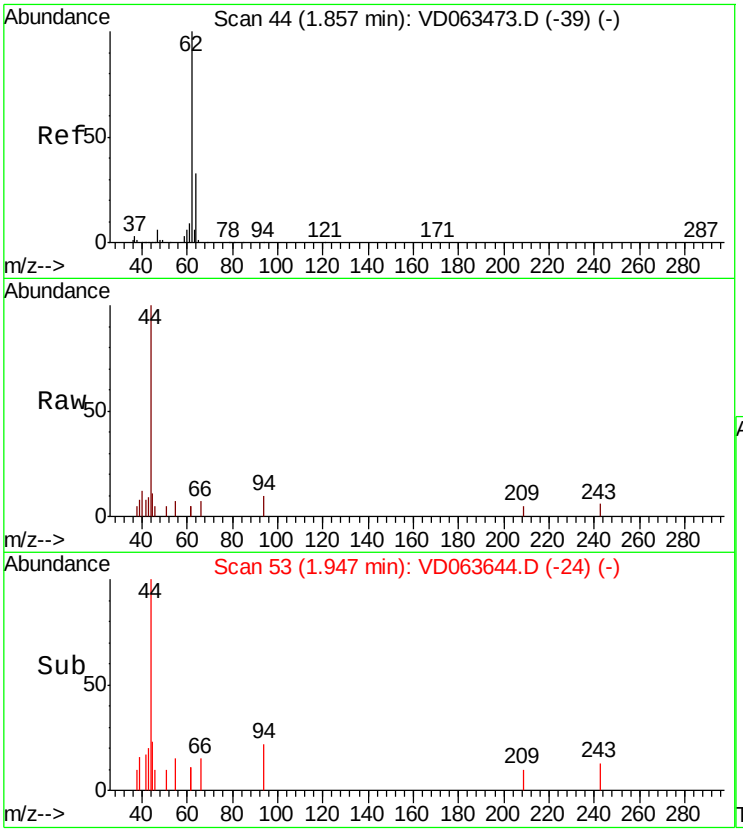


#3
Chloromethane
Concen: 4.315 ug/l
RT: 1.76 min Scan# 34
Delta R.T. 0.01 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 50 Resp: 723

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.6	40.0#



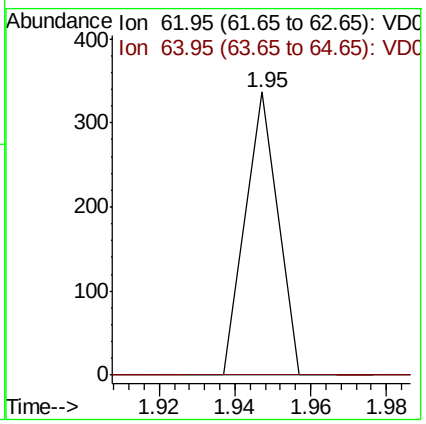


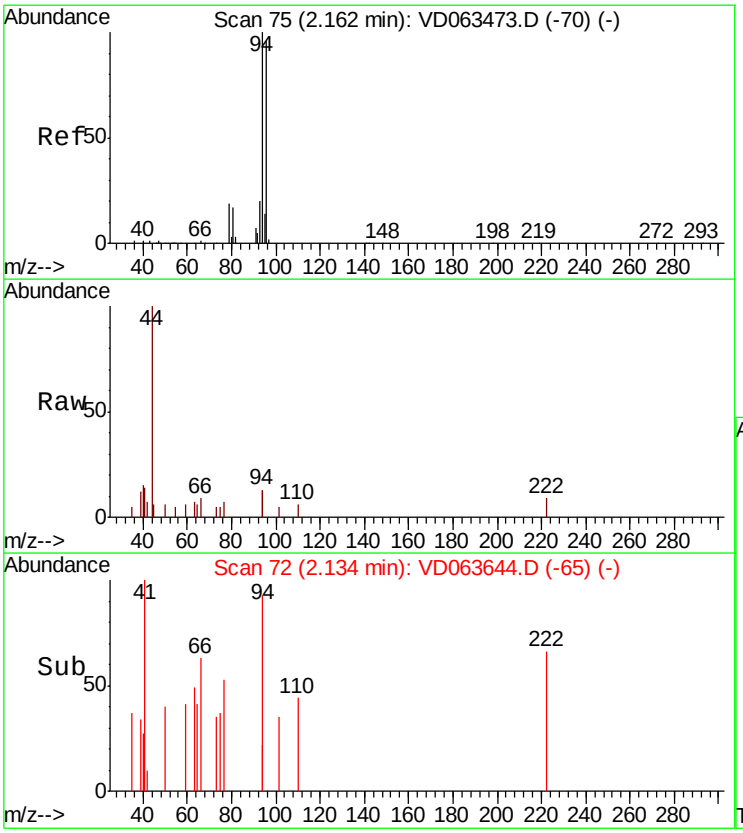
#4
Vinyl Chloride
Concen: 1.196 ug/l
RT: 1.95 min Scan# 53
Delta R.T. 0.09 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

Tgt Ion: 62 Resp: 199

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.4	39.6#

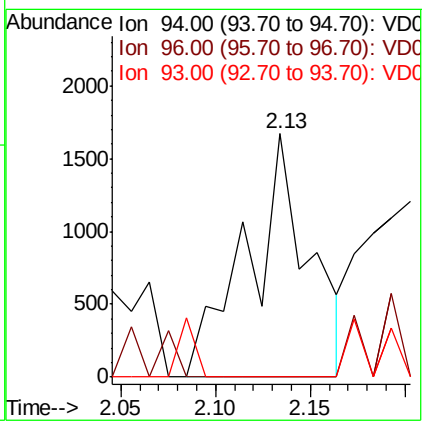


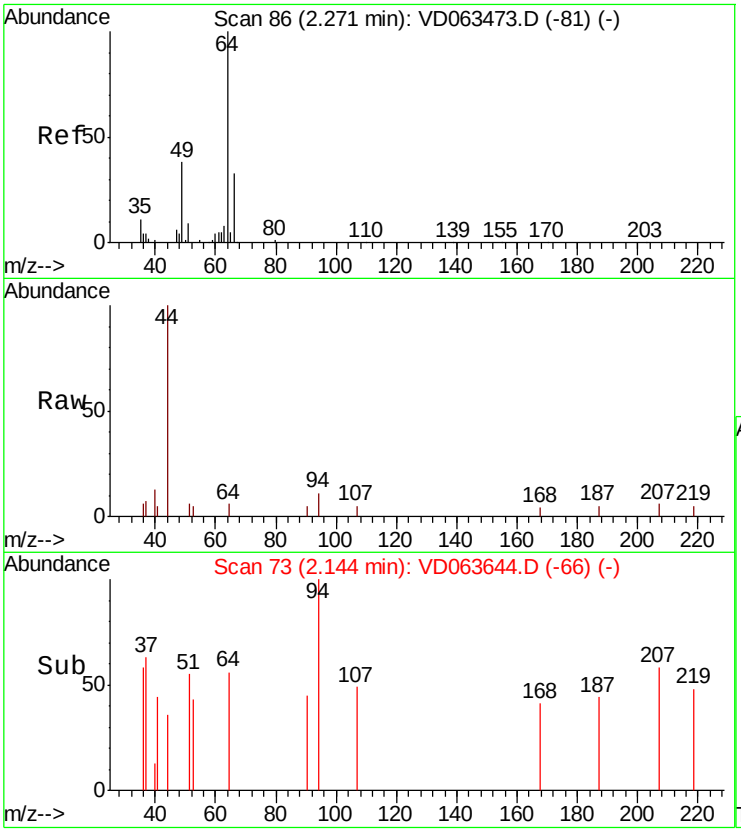


#5
Bromomethane
Concen: 47.609 ug/l
RT: 2.13 min Scan# 72
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 94 Resp: 3737

Ion	Ratio	Lower	Upper
94	100		
96	0.0	76.5	114.7#
93	0.0	15.8	23.8#



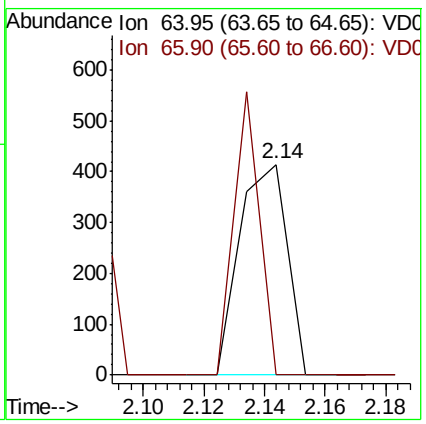


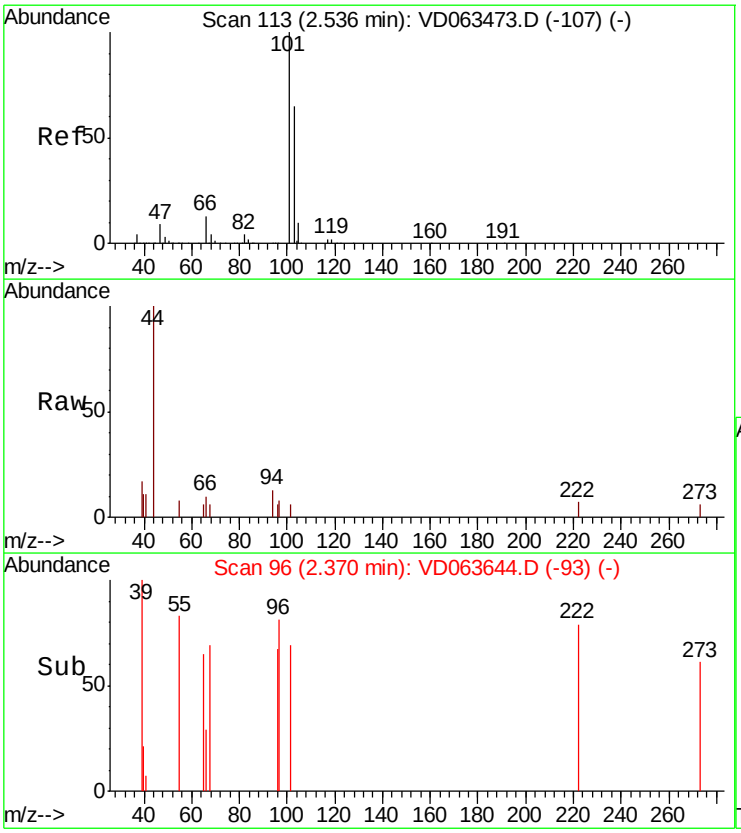
#6
Chloroethane
Concen: 6.021 ug/l
RT: 2.14 min Scan# 73
Delta R.T. -0.13 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

Tgt Ion: 64 Resp: 458

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.3	39.5#

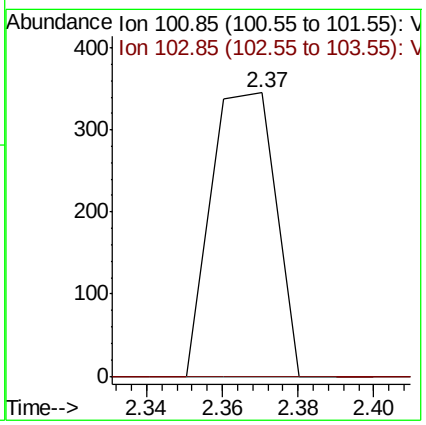


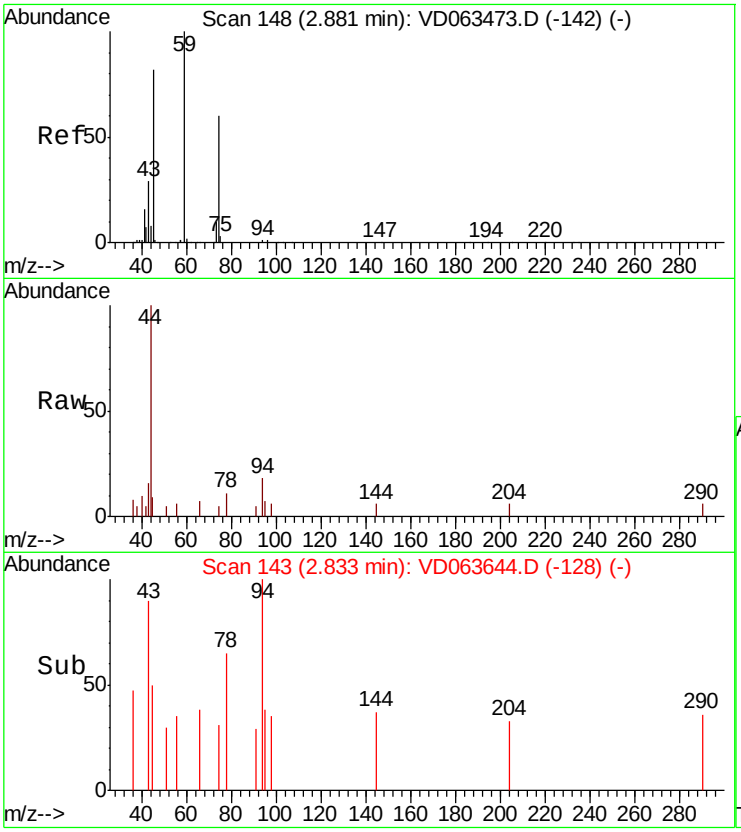


#7
Trichlorofluoromethane
Concen: 1.235 ug/l
RT: 2.37 min Scan# 96
Delta R.T. -0.17 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion:101 Resp: 403

Ion	Ratio	Lower	Upper
101	100		
103	0.0	52.2	78.4#



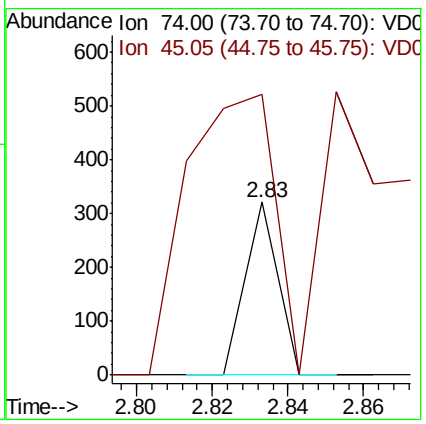


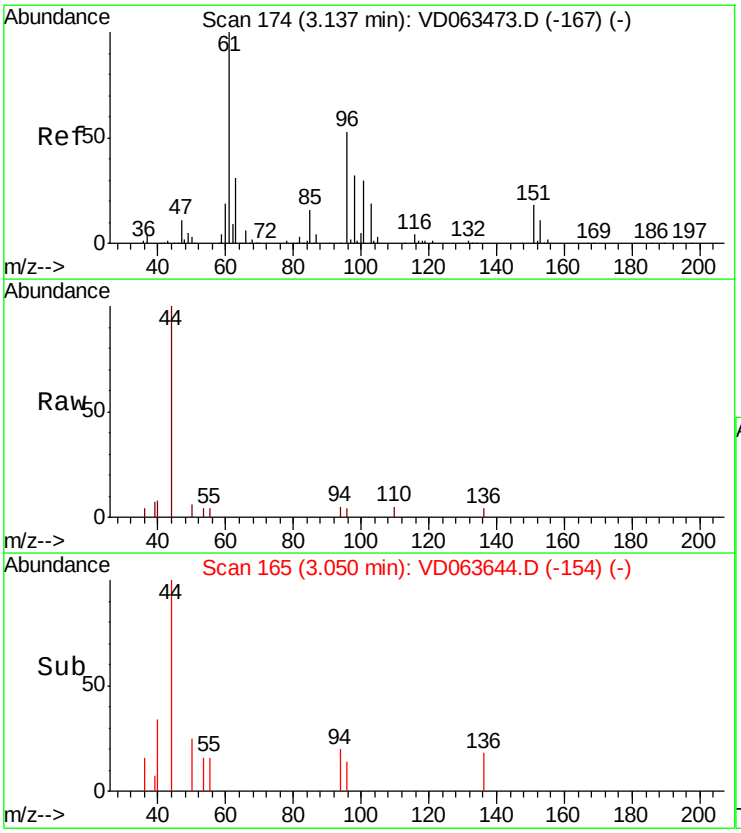
#8
Diethyl Ether
Concen: 4.124 ug/l
RT: 2.83 min Scan# 143
Delta R.T. -0.05 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion: 74 Resp: 190

Ion	Ratio	Lower	Upper
74	100		
45	162.3	68.5	205.5

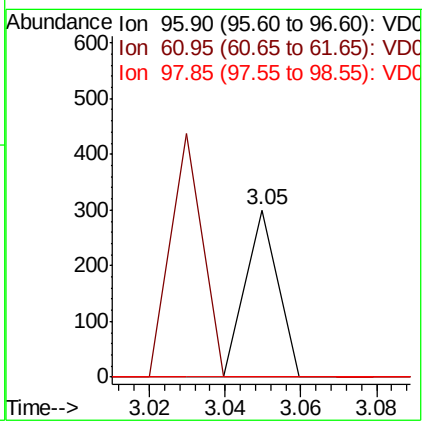


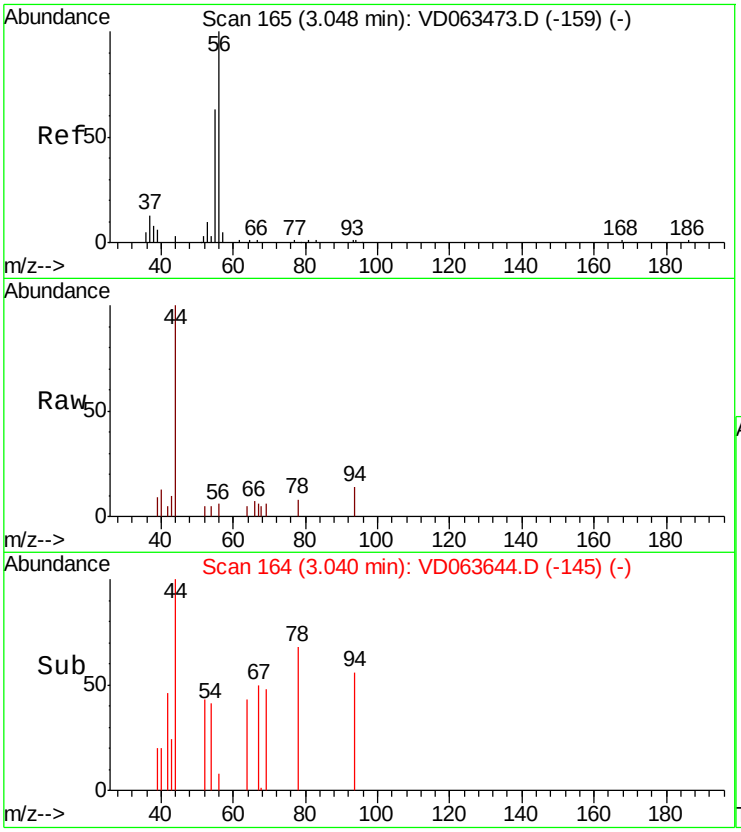


#12
1,1-Dichloroethene
Concen: 1.236 ug/l
RT: 3.05 min Scan# 165
Delta R.T. -0.09 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 96 Resp: 177

Ion	Ratio	Lower	Upper
96	100		
61	0.0	151.7	227.5#
98	0.0	48.4	72.6#



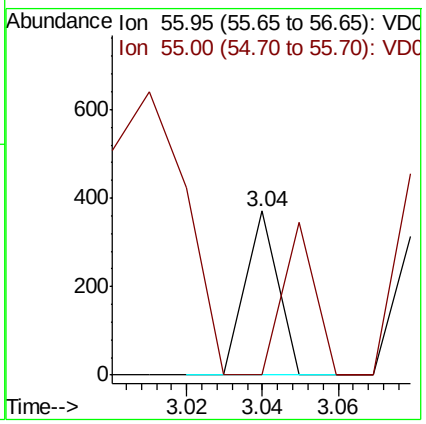


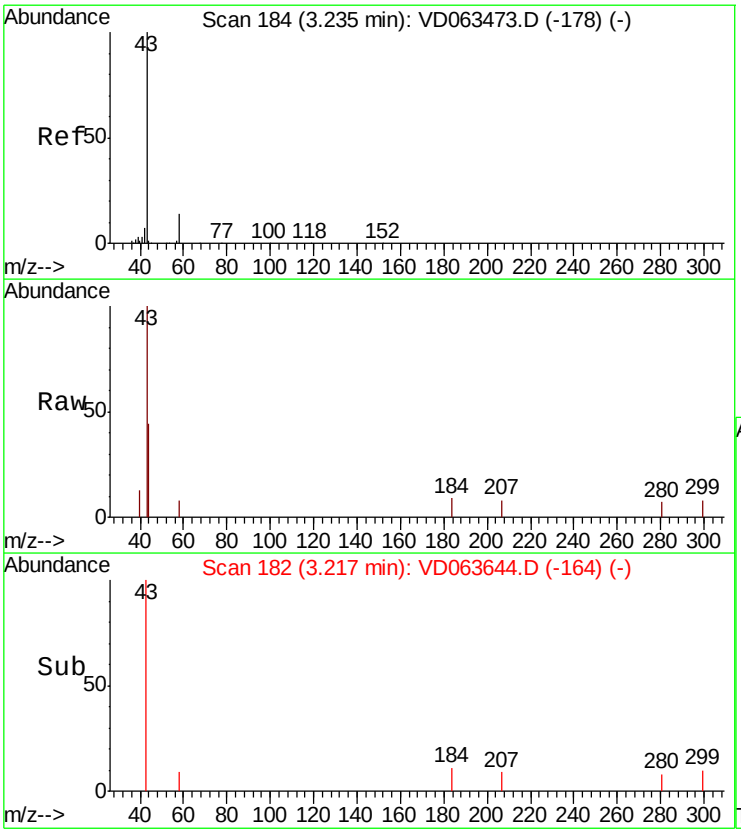
#13
Acrolein
Concen: 26.971 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.01 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion: 56 Resp: 219

Ion	Ratio	Lower	Upper
56	100		
55	0.0	51.3	76.9#

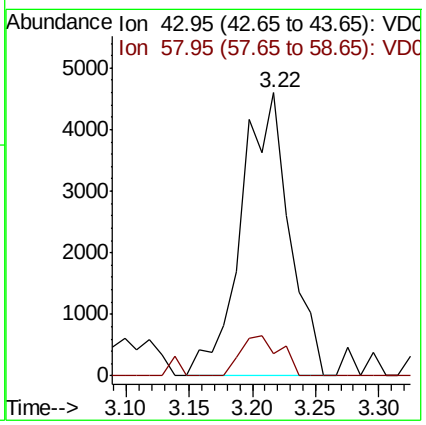


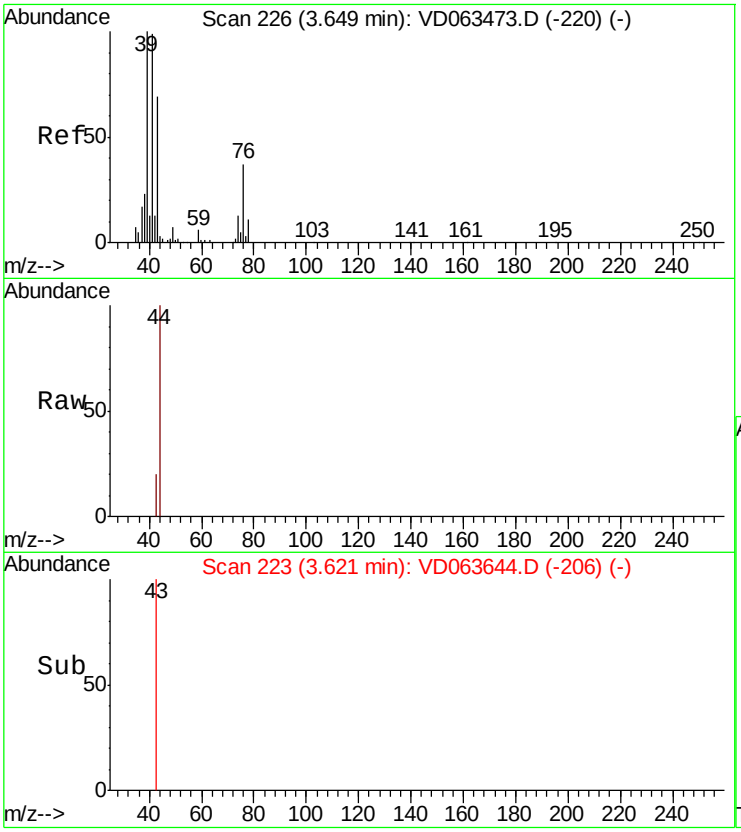


#16
Acetone
Concen: 317.382 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 43 Resp: 12226

Ion	Ratio	Lower	Upper
43	100		
58	8.0	11.4	17.2#



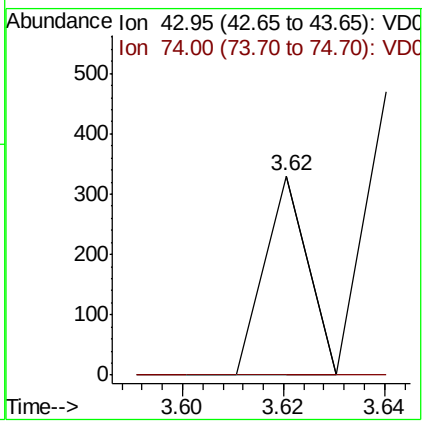


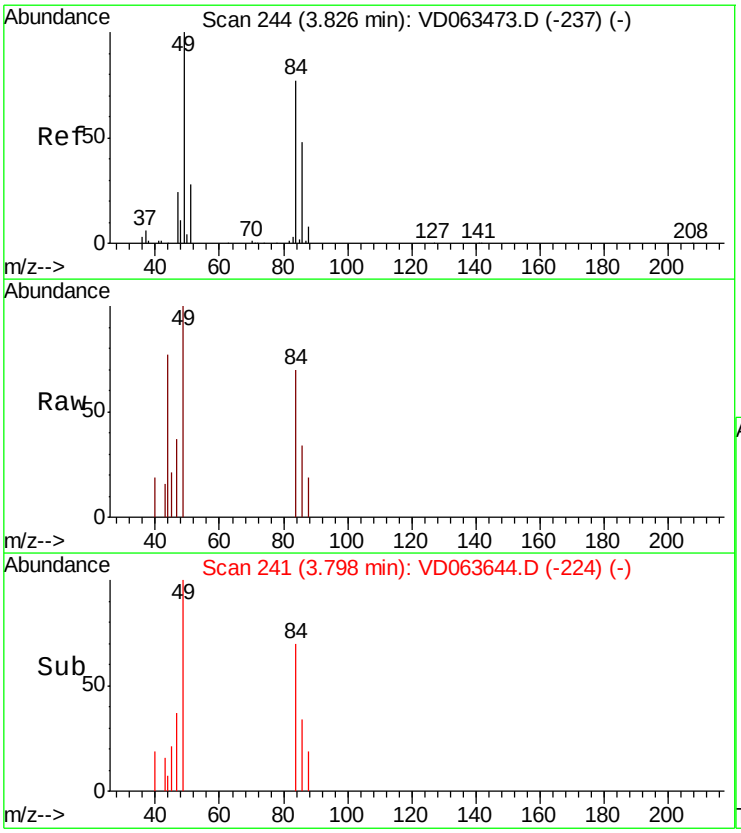
#18
Methyl Acetate
Concen: 2.673 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion: 43 Resp: 195

Ion	Ratio	Lower	Upper
43	100		
74	0.0	15.4	23.2#

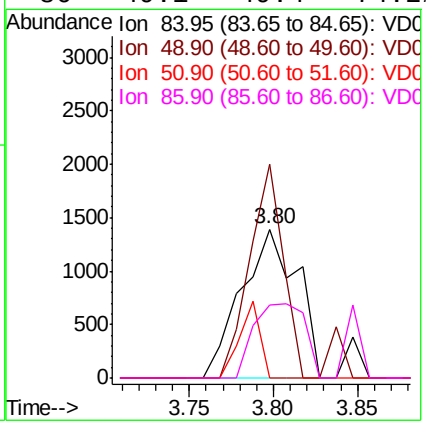


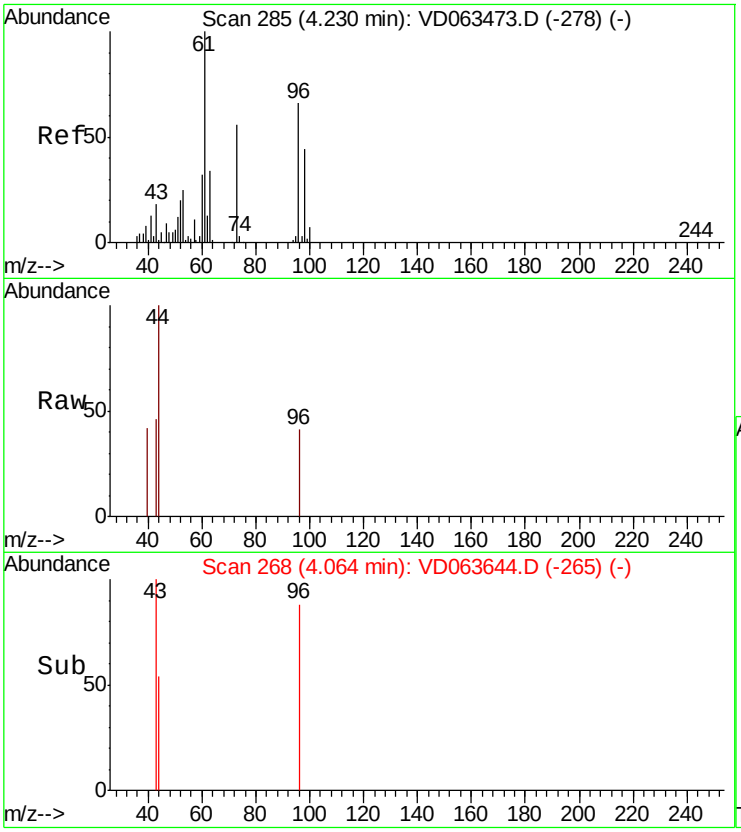


#20
Methylene Chloride
Concen: 19.169 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 84 Resp: 3193

Ion	Ratio	Lower	Upper
84	100		
49	143.7	103.4	155.2
51	0.0	28.5	42.7#
86	49.1	49.4	74.2#



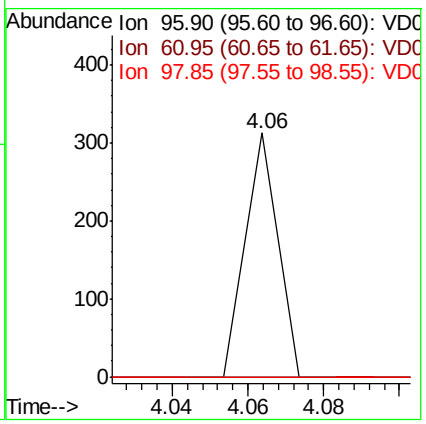


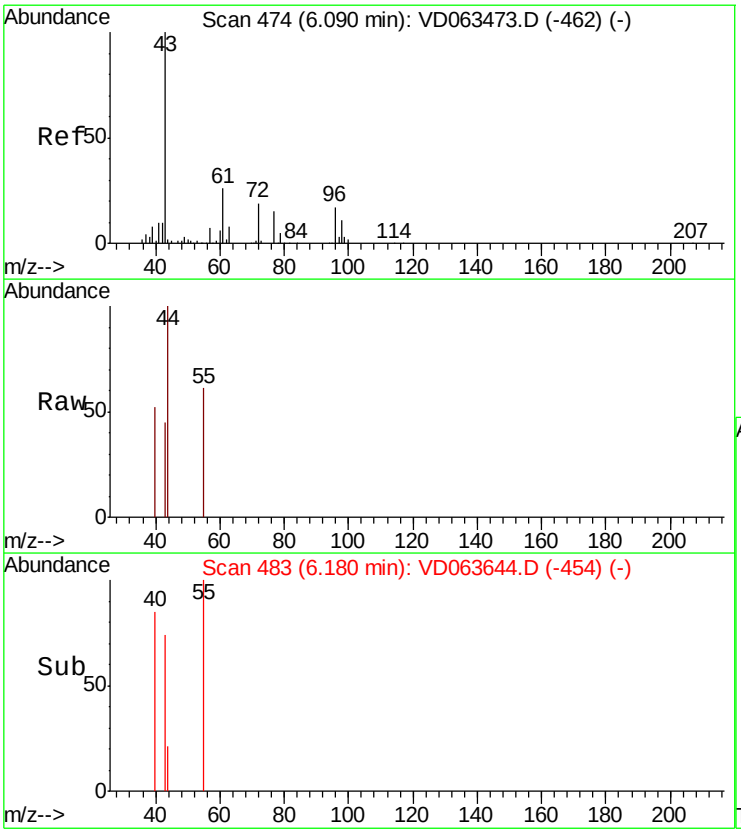
#21
trans-1,2-Dichloroethene
Concen: 1.227 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.17 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion: 96 Resp: 185

Ion	Ratio	Lower	Upper
96	100		
61	0.0	121.7	182.5#
98	0.0	54.2	81.2#

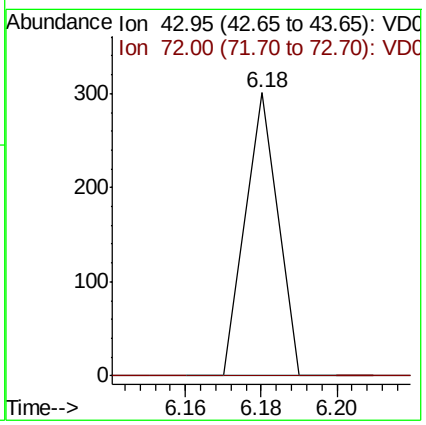


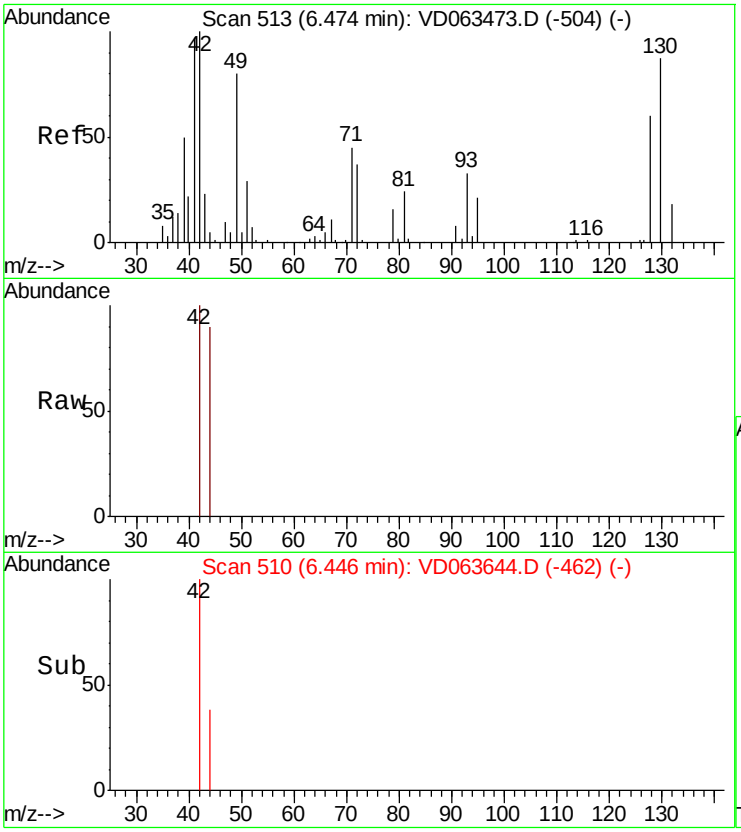


#25
2-Butanone
Concen: 4.679 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.09 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 43 Resp: 178

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.1	22.7#



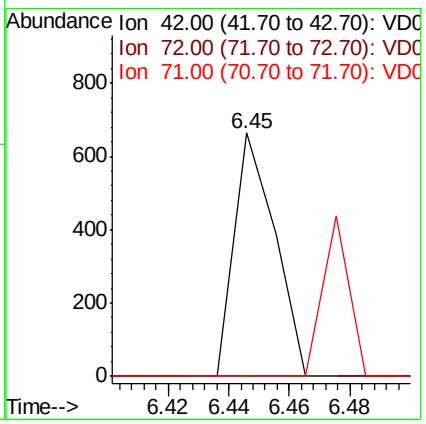


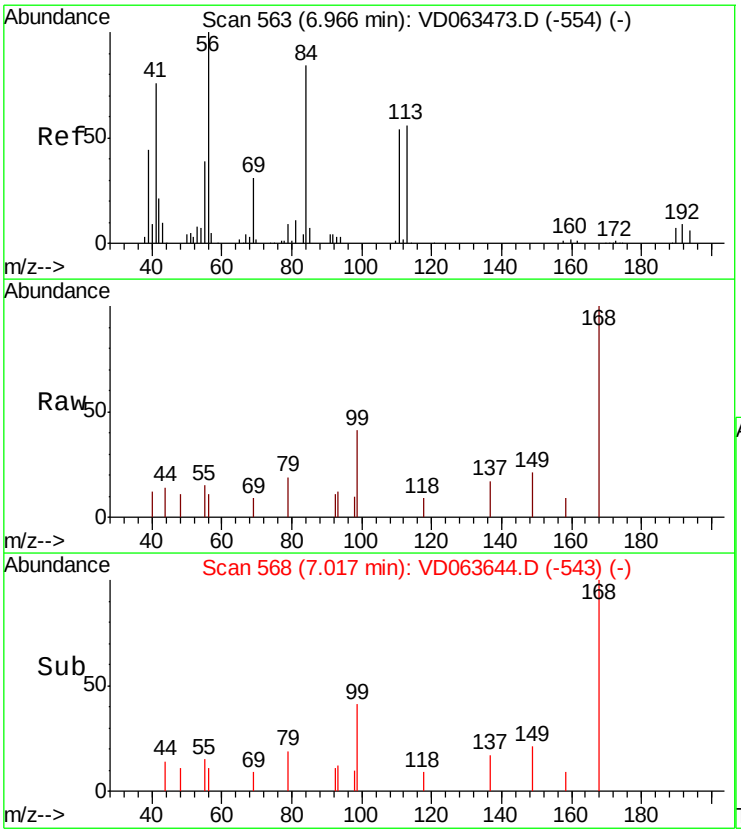
#29
Tetrahydrofuran
Concen: 35.086 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

Tgt Ion: 42 Resp: 622

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.5	47.3#
71	0.0	33.8	50.8#

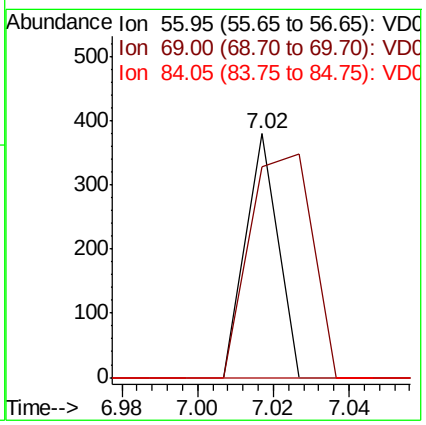


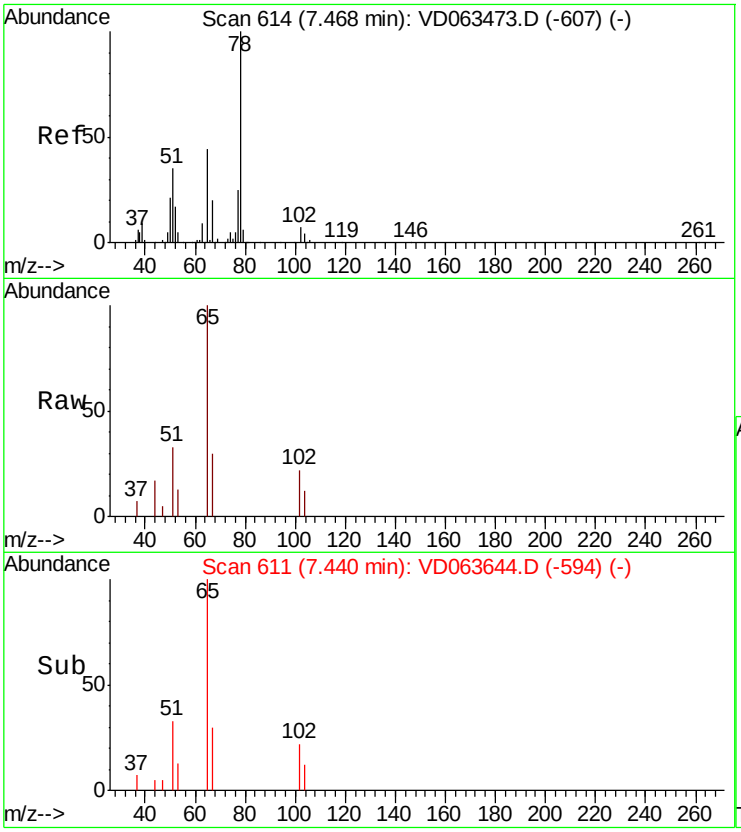


#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.05 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 56 Resp: 224

Ion	Ratio	Lower	Upper
56	100		
69	86.3	25.0	37.6#
84	0.0	69.7	104.5#



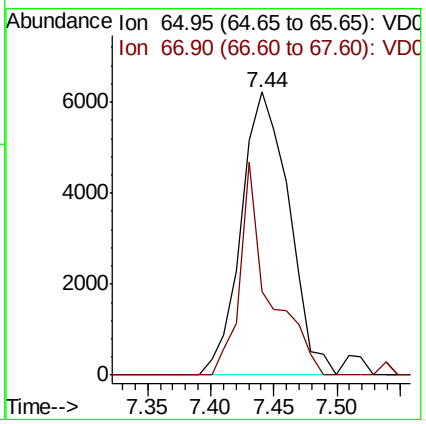


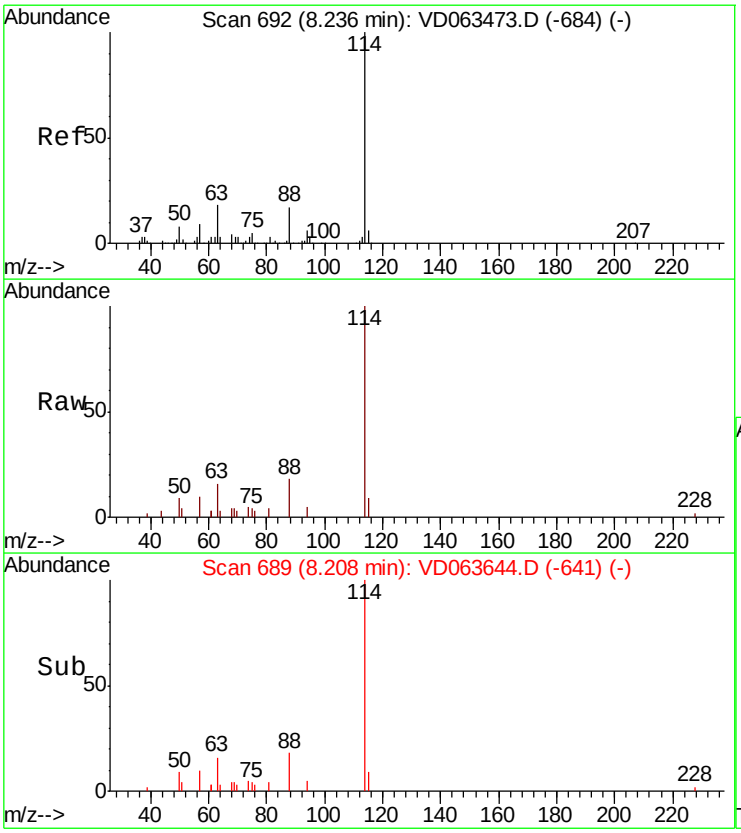
#33
1,2-Dichloroethane-d4
Concen: 86.359 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion: 65 Resp: 16365

Ion	Ratio	Lower	Upper
65	100		
67	29.8	0.0	89.2

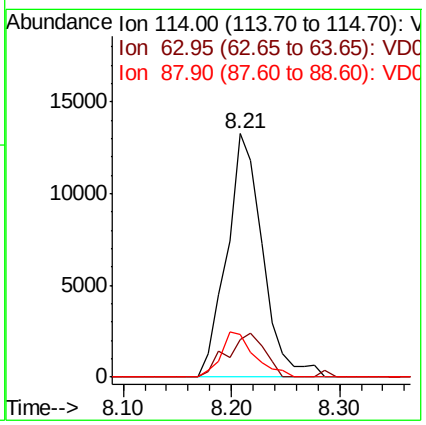


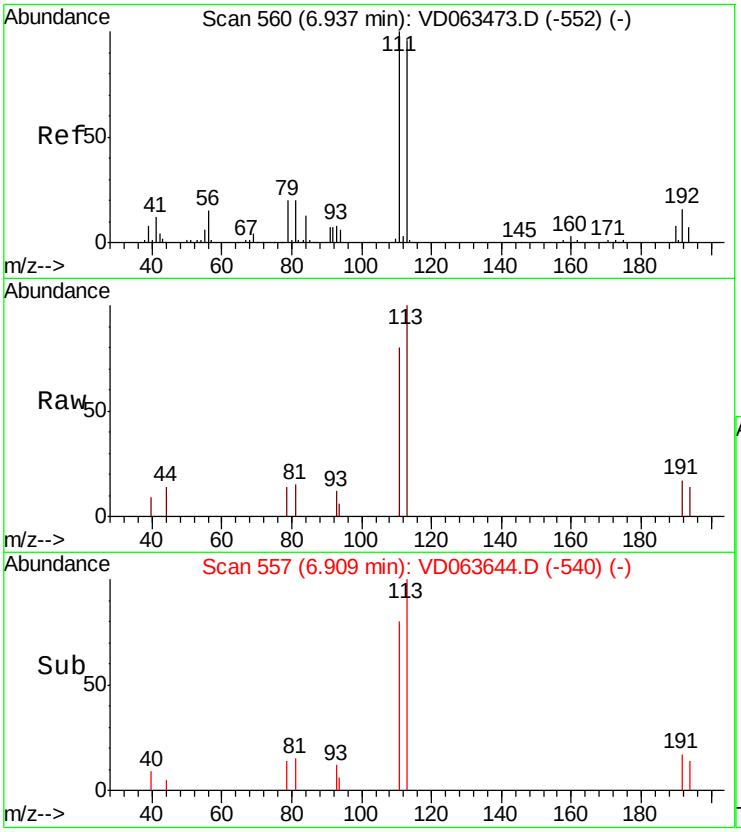


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.21 min Scan# 689
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion:114 Resp: 30530

Ion	Ratio	Lower	Upper
114	100		
63	15.6	0.0	36.2
88	17.8	0.0	35.0



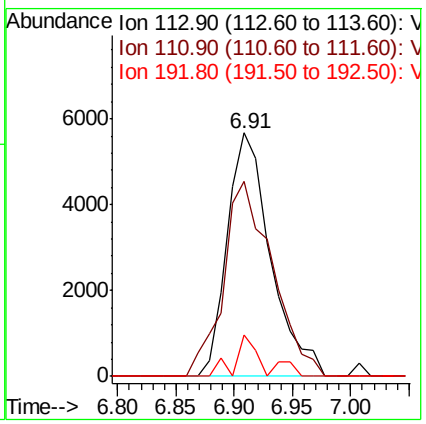


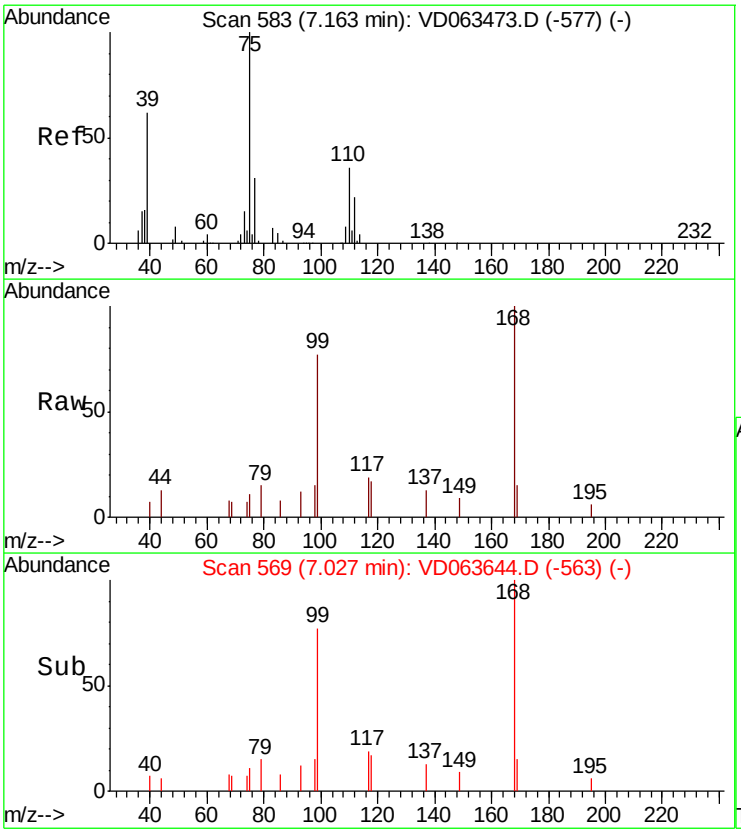
#35
Dibromofluoromethane
Concen: 56.910 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion:113 Resp: 14633

Ion	Ratio	Lower	Upper
113	100		
111	80.1	83.1	124.7#
192	16.9	13.1	19.7

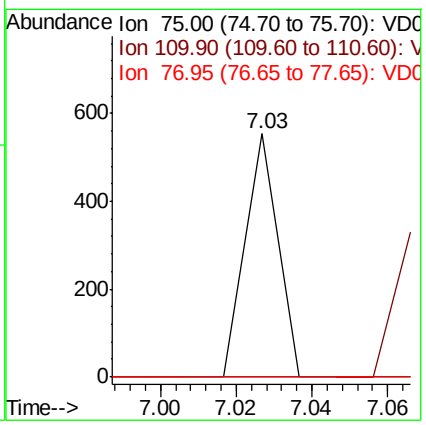


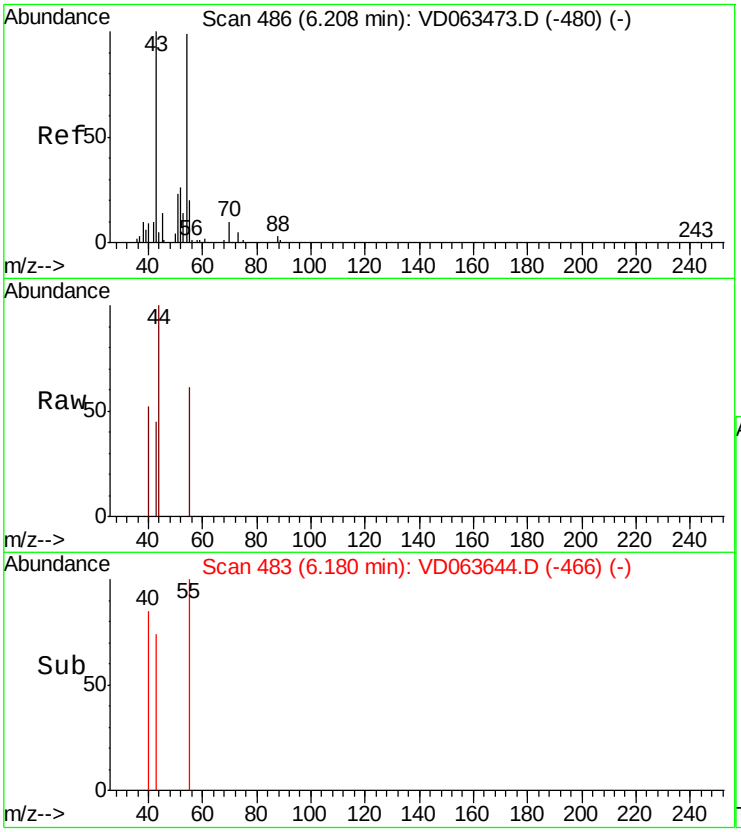


#36
1,1-Dichloropropene
Concen: 1.212 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.14 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 75 Resp: 327

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



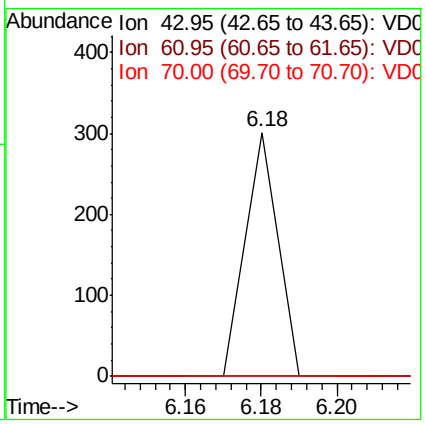


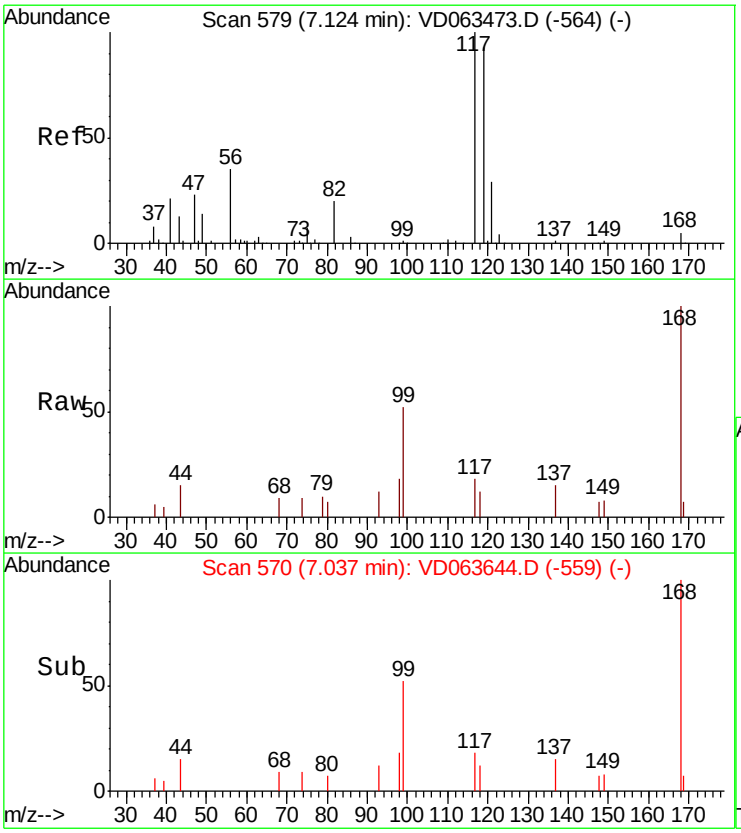
#37
Ethyl Acetate
Concen: 1.574 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion: 43 Resp: 178

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

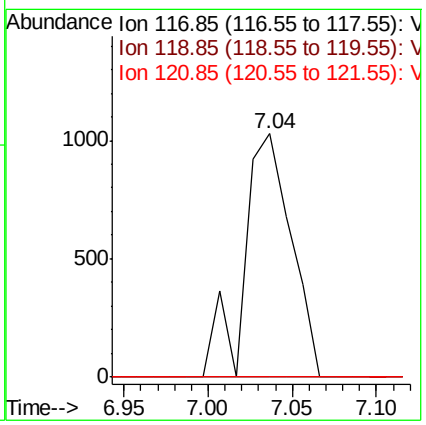


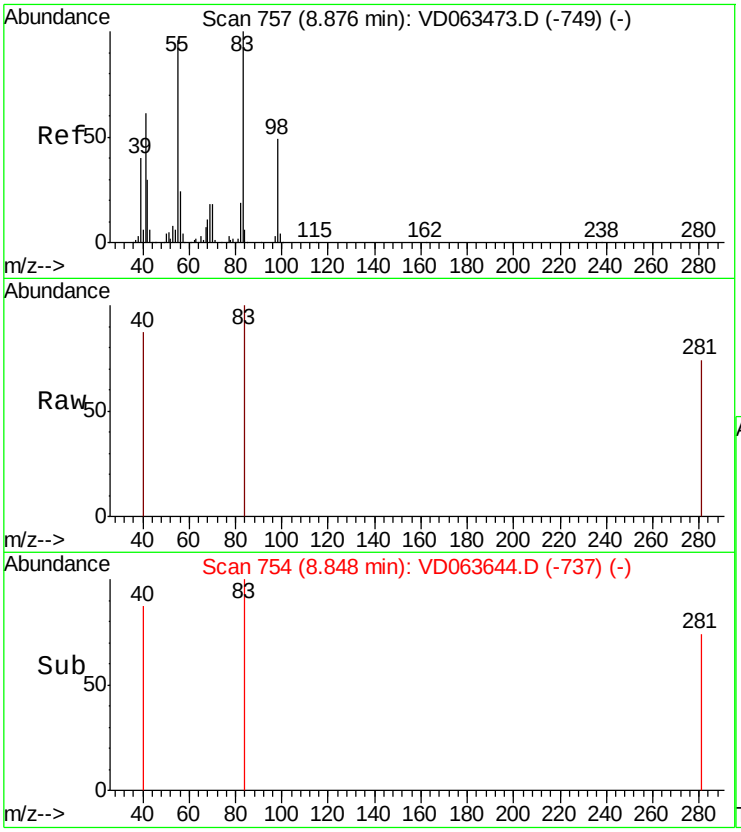


#38
Carbon Tetrachloride
Concen: 4.912 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion:117 Resp: 1998

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



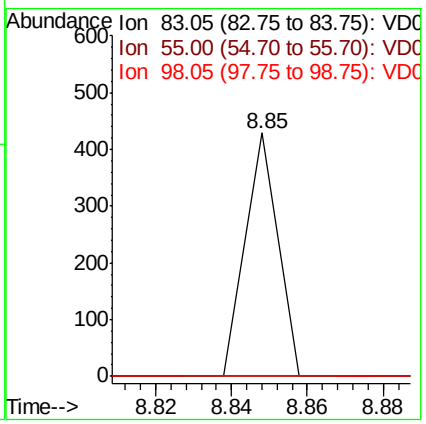


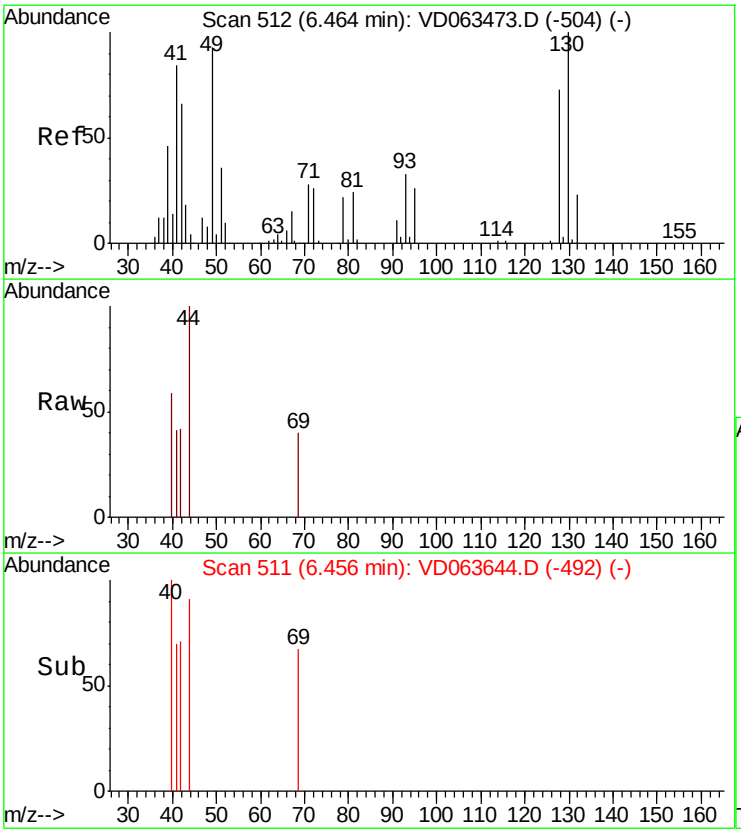
#39
Methylcyclohexane
Concen: 1.102 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion: 83 Resp: 253

Ion	Ratio	Lower	Upper
83	100		
55	0.0	76.6	114.8#
98	0.0	39.4	59.0#

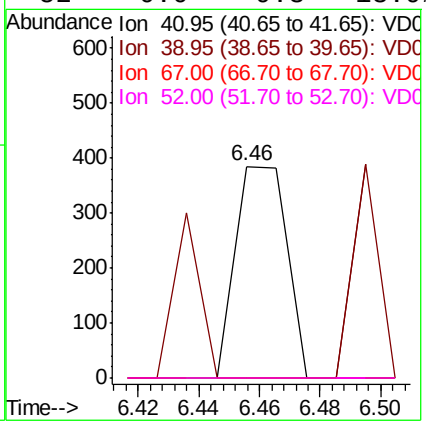


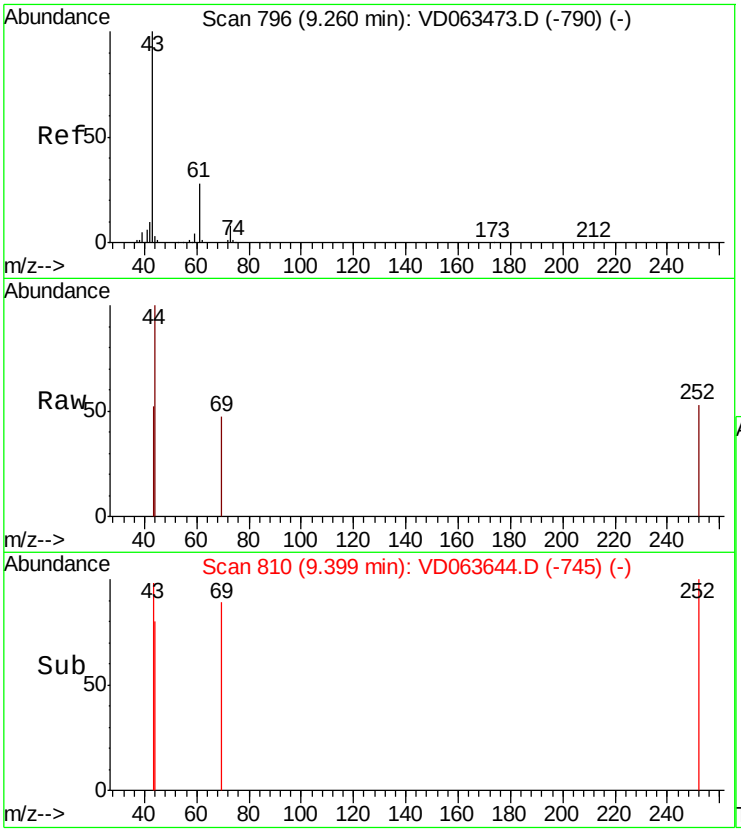


#41
Methacrylonitrile
Concen: 3.188 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 41 Resp: 454

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



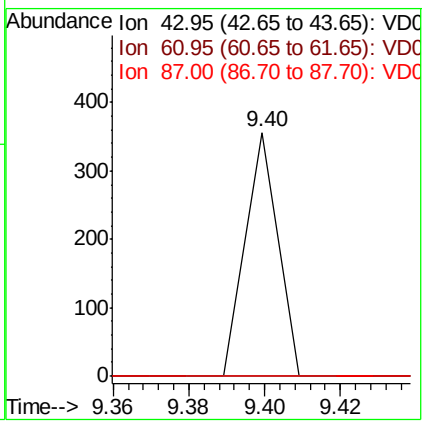


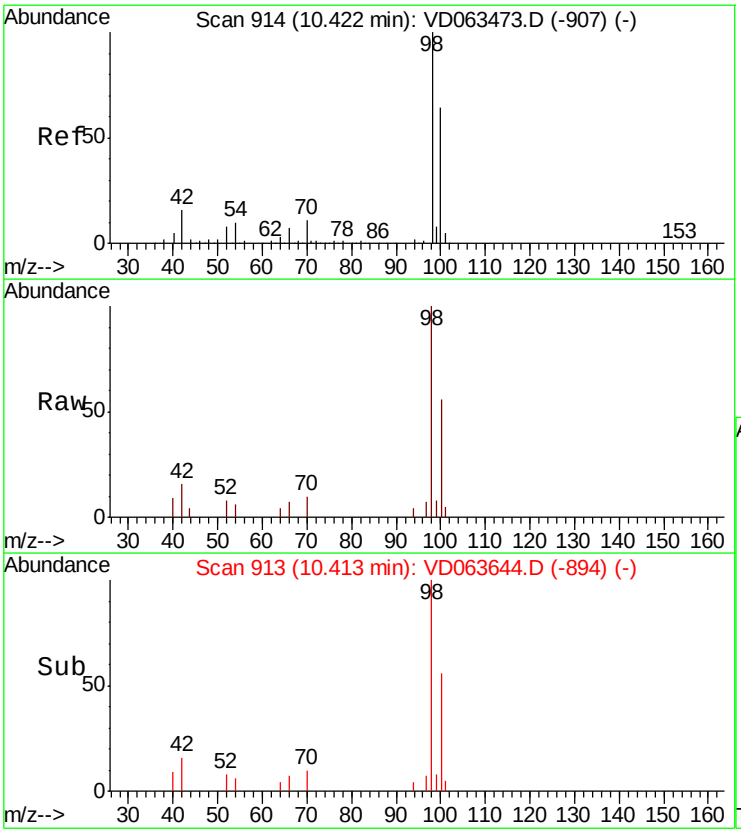
#43
Isopropyl Acetate
Concen: 1.386 ug/l
RT: 9.40 min Scan# 810
Delta R.T. 0.14 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion: 43 Resp: 210

Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.2	33.2#
87	0.0	0.2	0.4#

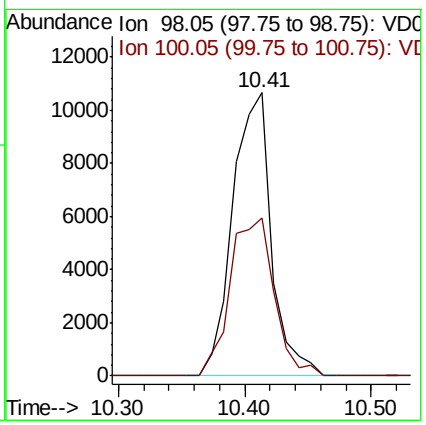


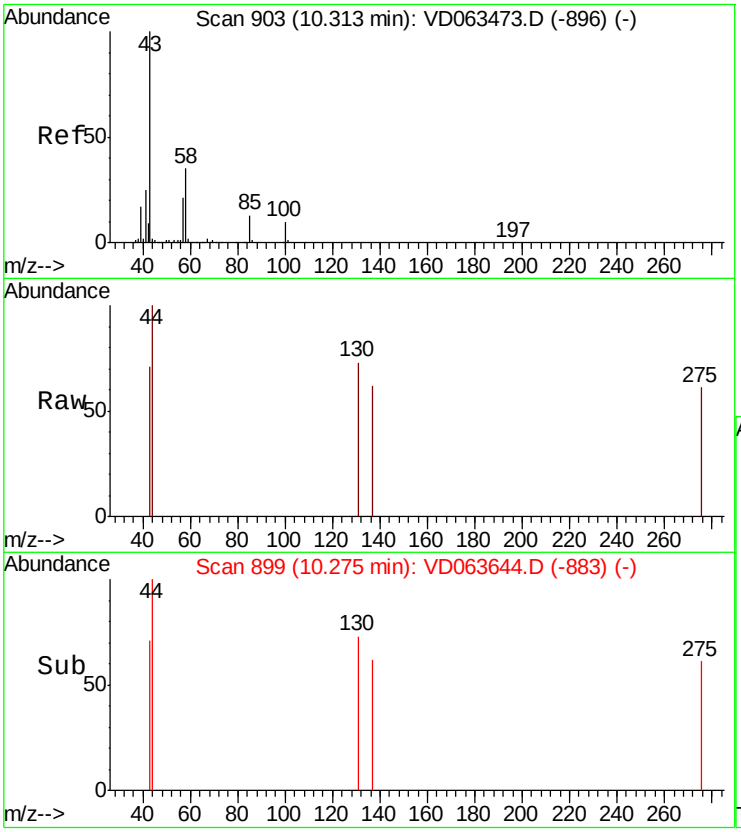


#50
Toluene-d8
Concen: 39.956 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 98 Resp: 22587

Ion	Ratio	Lower	Upper
98	100		
100	55.6	51.7	77.5



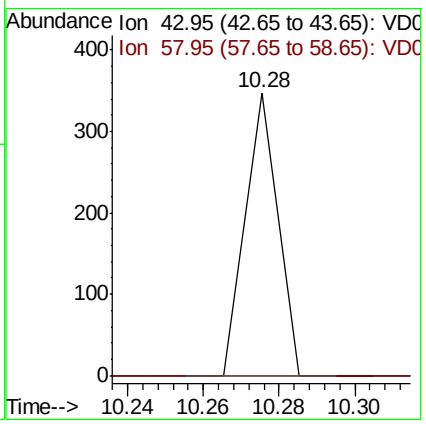


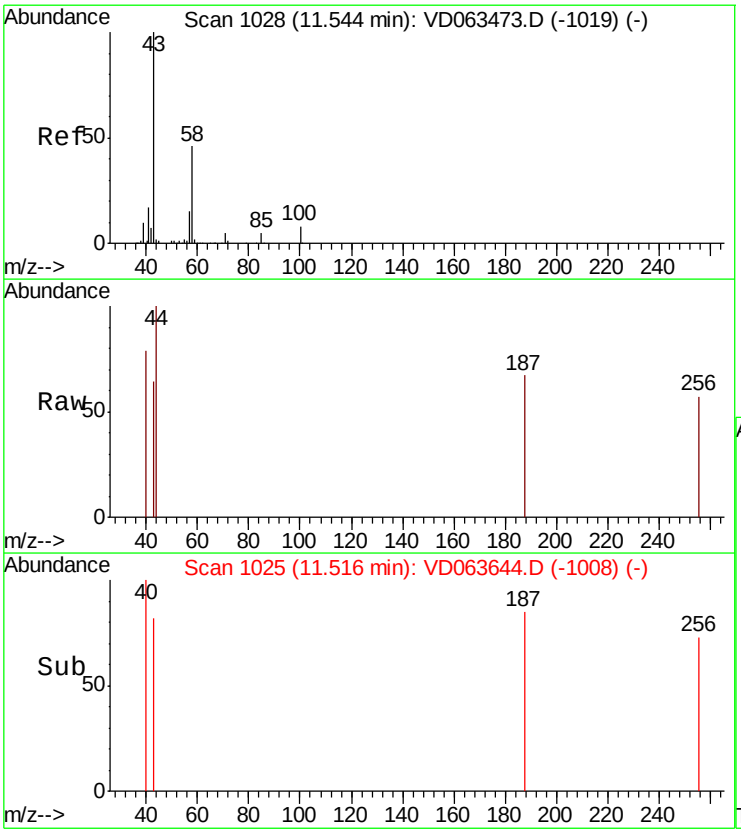
#51
4-Methyl-2-Pentanone
Concen: 1.988 ug/l
RT: 10.28 min Scan# 899
Delta R.T. -0.04 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion: 43 Resp: 206

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.0	42.0#

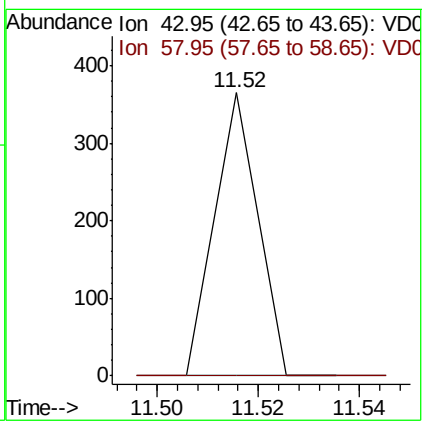


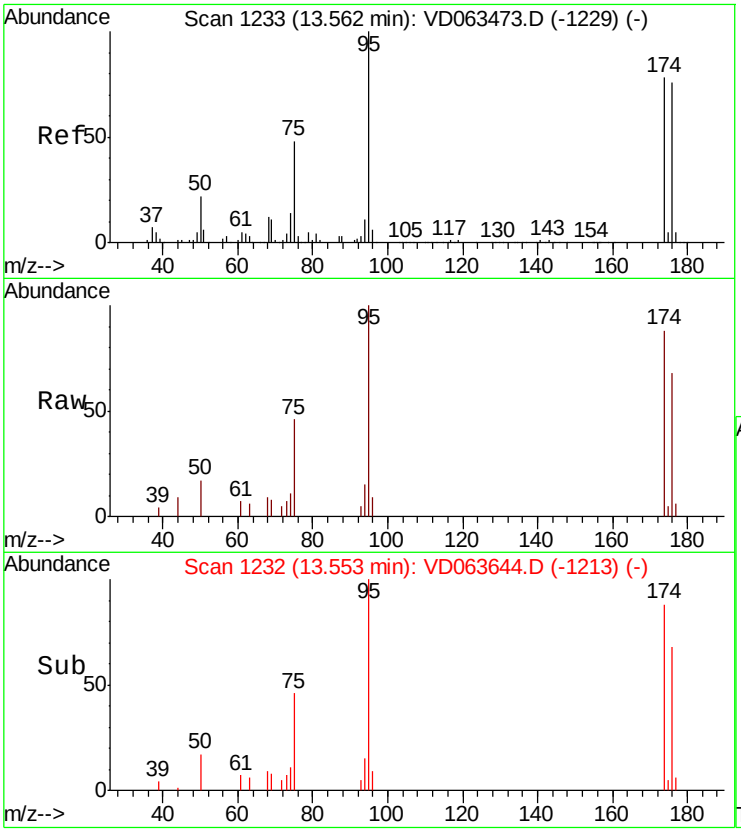


#59
2-Hexanone
Concen: 2.864 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 43 Resp: 216

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.1	69.2#



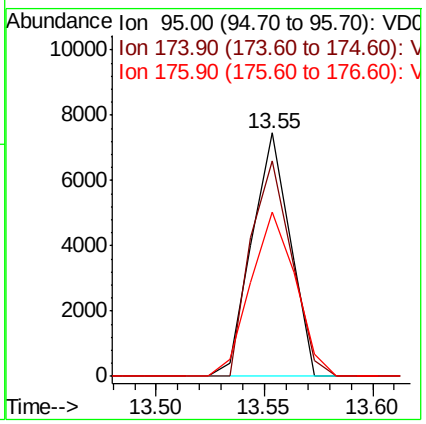


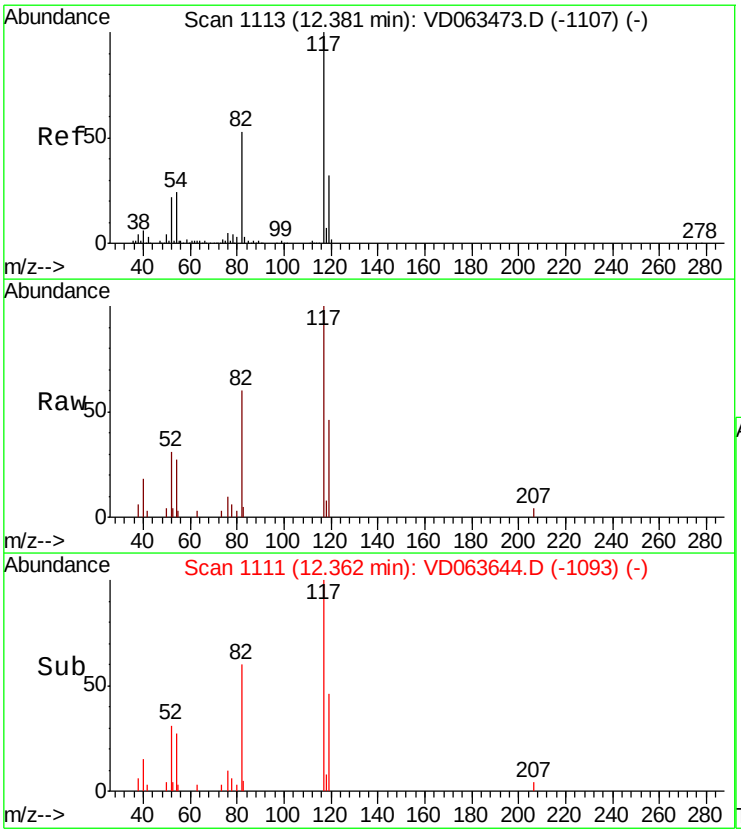
#62
4-Bromofluorobenzene
Concen: 35.501 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

Tgt Ion: 95 Resp: 9096

Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	155.4
176	67.7	0.0	152.4

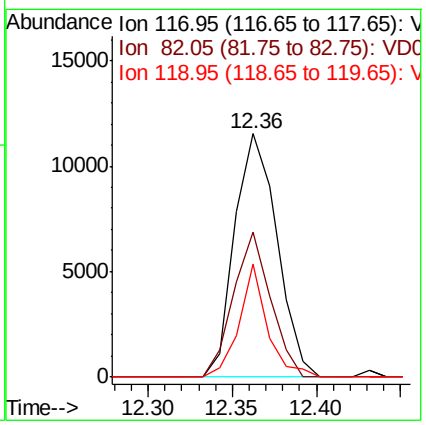


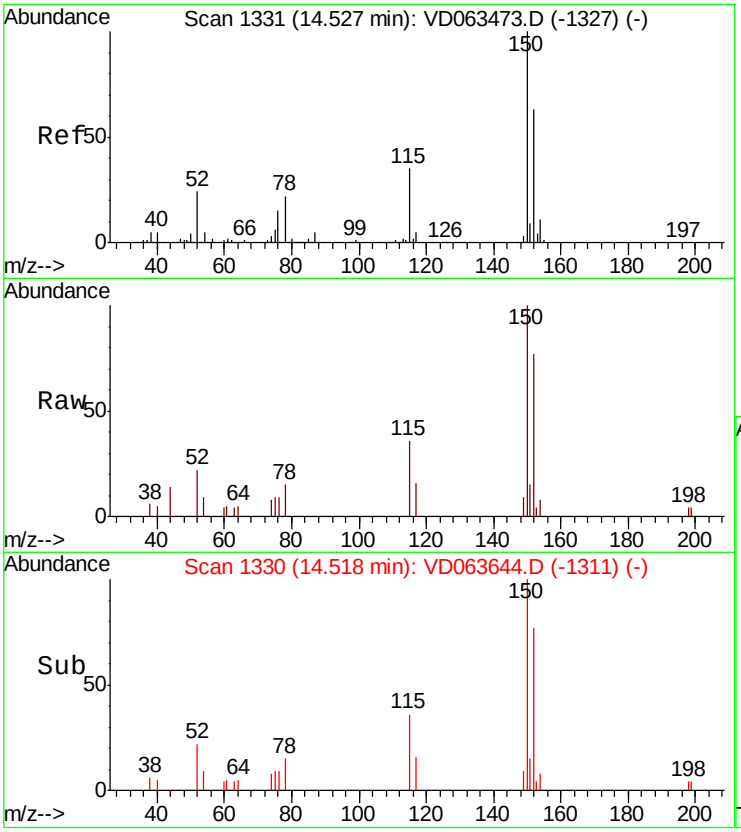


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion:117 Resp: 20062

Ion	Ratio	Lower	Upper
117	100		
82	59.6	42.0	63.0
119	46.4	25.4	38.0#



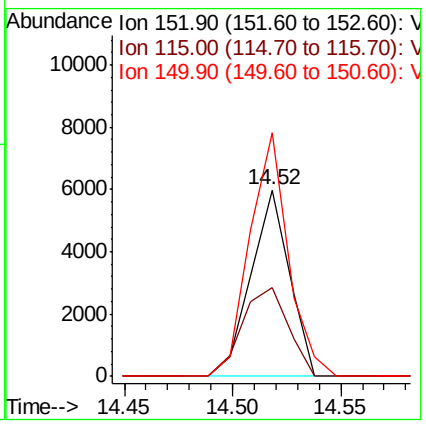


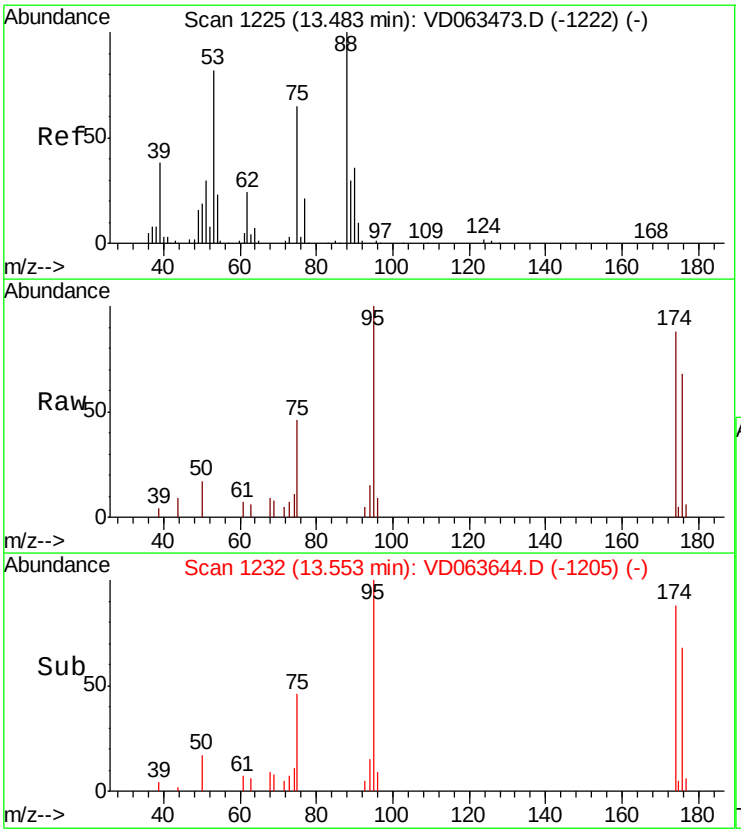
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

Tgt Ion:152 Resp: 7361

Ion	Ratio	Lower	Upper
152	100		
115	47.3	30.9	92.7
150	130.6	0.0	318.6

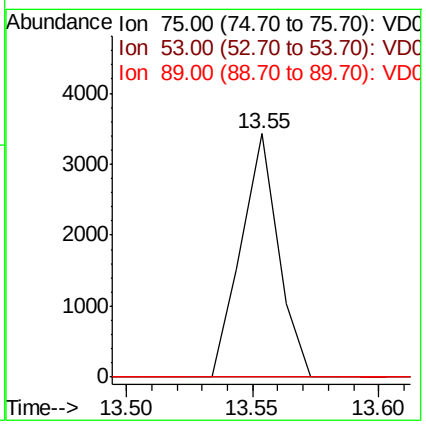


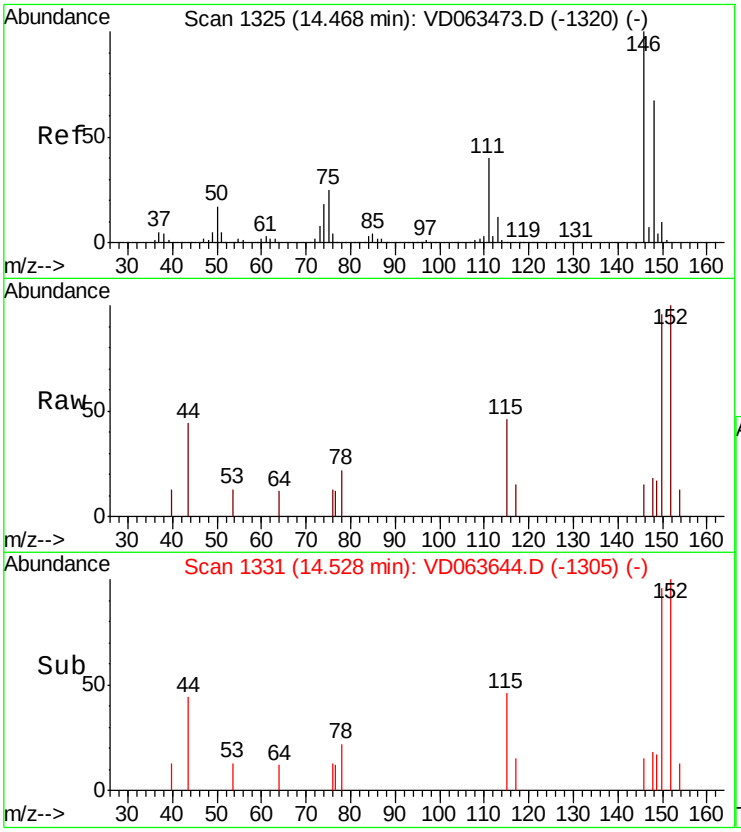


#81
trans-1,4-Dichloro-2-butene
Concen: 155.554 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 75 Resp: 3532

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



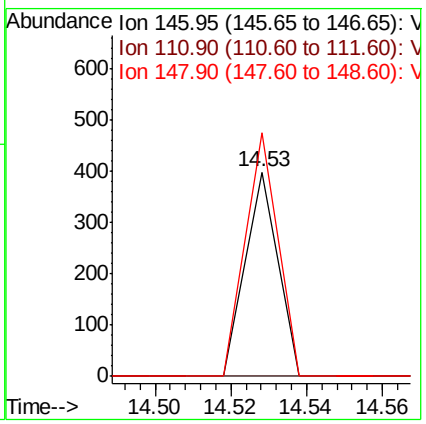


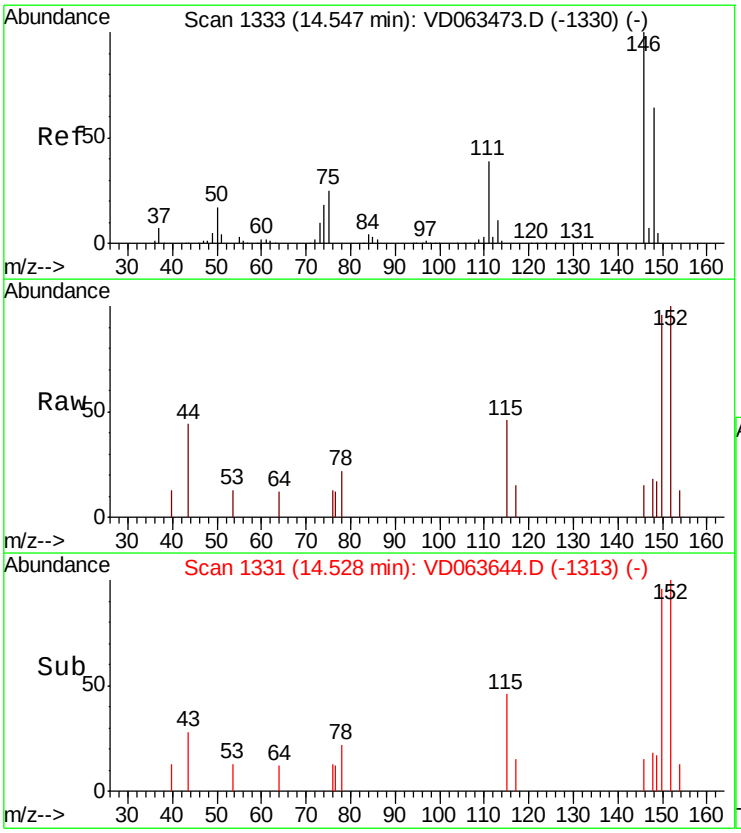
#87
1,3-Dichlorobenzene
Concen: 1.015 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.06 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument : MSVOA_D
ClientSampleId : T4-F(0)

Tgt Ion:146 Resp: 235

Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.0	60.0#
148	119.1	33.6	100.6#

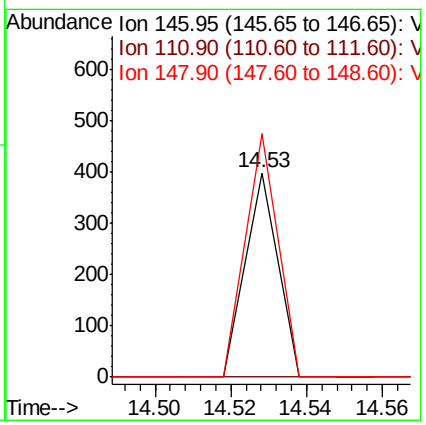


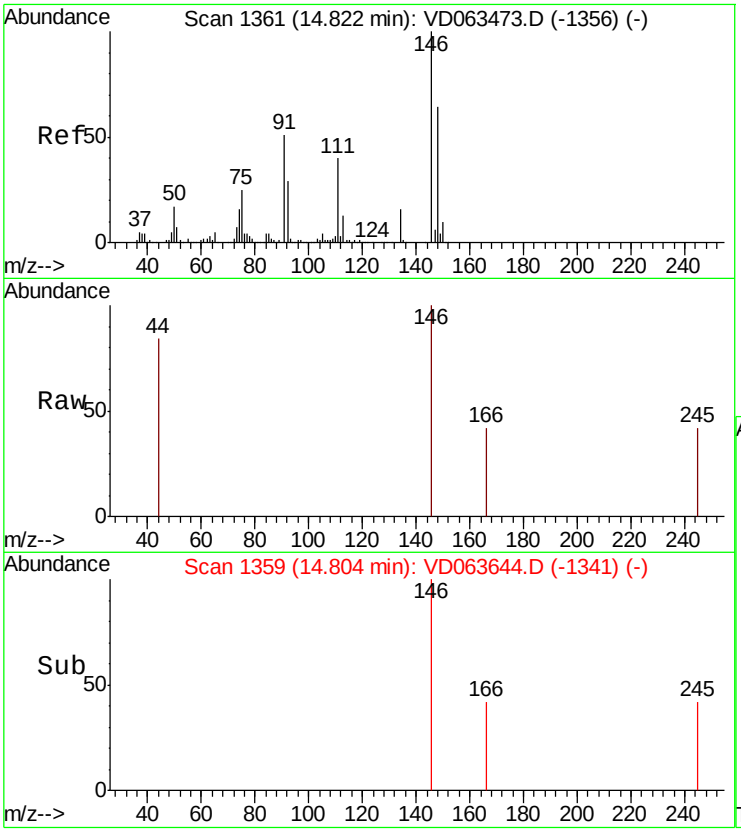


#88
1,4-Dichlorobenzene
Concen: 1.058 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. -0.02 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion:146 Resp: 235

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.7	59.0#
148	119.1	32.1	96.3#



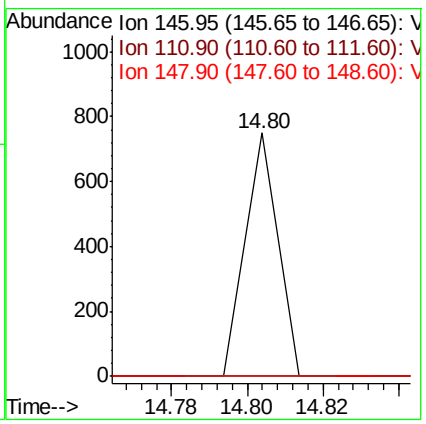


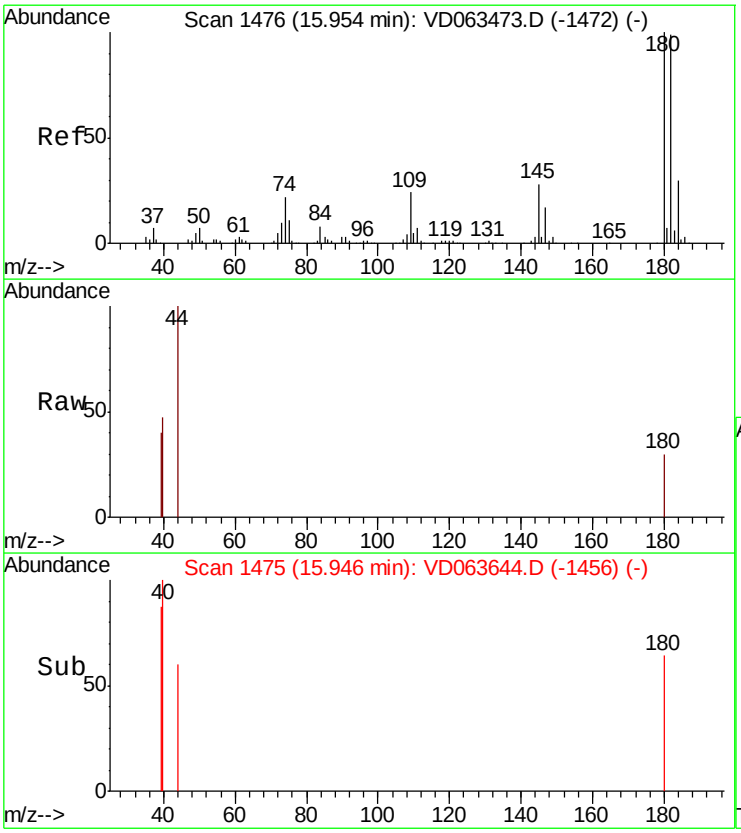
#91
1,2-Dichlorobenzene
Concen: 2.256 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

Tgt Ion:146 Resp: 443

Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.2	60.6#
148	0.0	32.1	96.5#

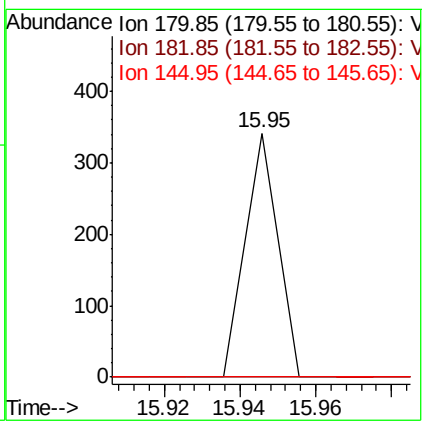


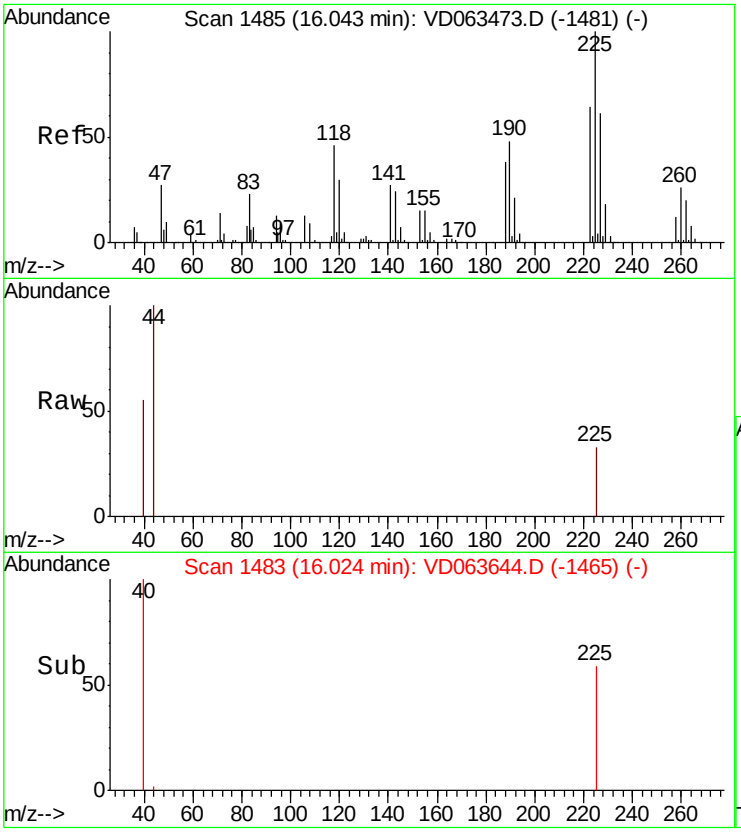


#93
1,2,4-Trichlorobenzene
Concen: 1.391 ug/l
RT: 15.95 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion:180 Resp: 201

Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.7	149.1#
145	0.0	14.1	42.2#



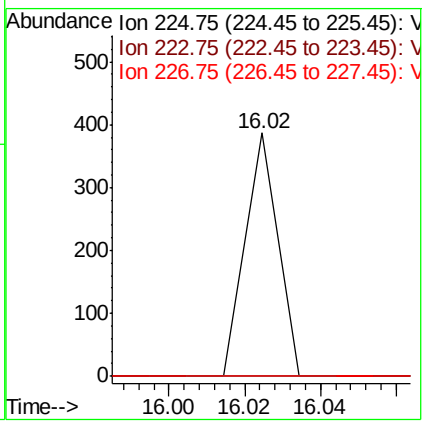


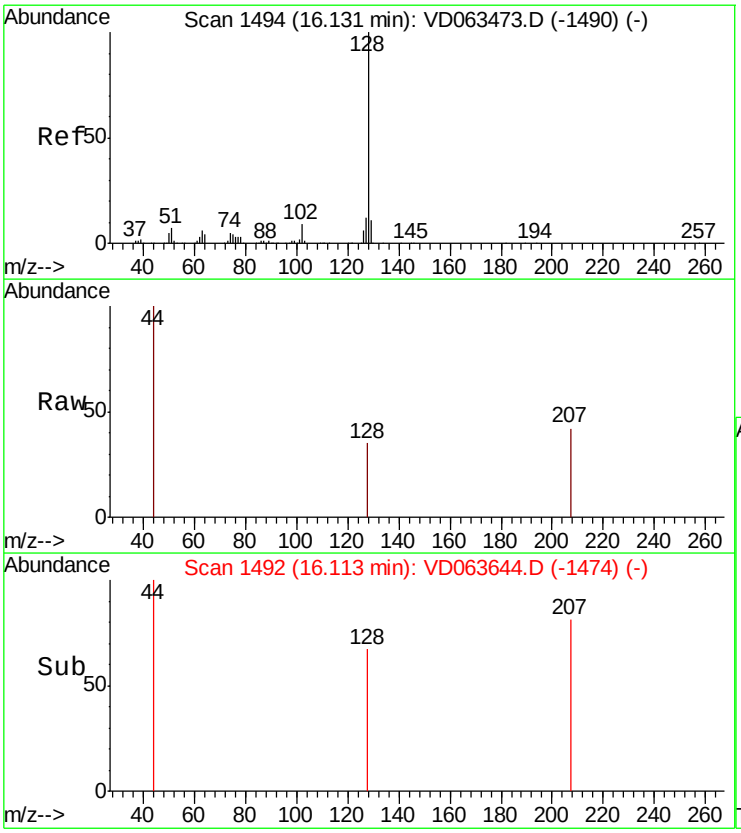
#94
Hexachlorobutadiene
Concen: 2.079 ug/l
RT: 16.02 min Scan# 1483
Delta R.T. -0.02 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

Tgt Ion:225 Resp: 229

Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.9	95.5#
227	0.0	30.7	92.1#





#95
Naphthalene
Concen: 1.014 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.02 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion:128 Resp: 222

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