Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD052219\
Data File : VD062503.D
Acq On : 22 May 2019 15:27
Operator : VA/AP
Sample : K2996-02
Misc : 5.95g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : P-2(0.5-1.0)

Quant Time: May 23 03:13:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	505881	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.20	114	701888	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	473564	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	214095	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	160181	29.58	ug/l	-0.03
Spiked Amount 50.000			Recovery = 59.16%			
35) Dibromofluoromethane	6.90	113	195256	30.84	ug/l	-0.04
Spiked Amount 50.000			Recovery = 61.68%			
50) Toluene-d8	10.40	98	319501	23.06	ug/l	-0.03
Spiked Amount 50.000			Recovery = 46.12%			
62) 4-Bromofluorobenzene	13.55	95	140145	23.12	ug/l	-0.02
Spiked Amount 50.000			Recovery = 46.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	546	Below Cal	#	42
11) Tert butyl alcohol	3.97	59	6276	25.109	ug/l #	76
13) Acrolein	3.16	56	4417	21.279	ug/l #	78
15) Acrylonitrile	4.21	53	3531	6.165	ug/l #	50
16) Acetone	3.17	43	19412	20.005	ug/l #	50
25) 2-Butanone	6.05	43	2006	1.976	ug/l #	56
29) Tetrahydrofuran	6.44	42	505	1.042	ug/l #	30
31) Cyclohexane	6.95	56	20254	3.961	ug/l #	61
36) 1,1-Dichloropropene	7.02	75	39470	5.882	ug/l #	47
38) Carbon Tetrachloride	7.02	117	50652	5.079	ug/l #	15
39) Methylcyclohexane	8.84	83	30379	5.489	ug/l	88
40) Benzene	7.44	78	29979	2.278	ug/l	94
43) Isopropyl Acetate	9.27	43	8415	2.433	ug/l #	43
47) Bromodichloromethane	9.38	83	17117	2.314	ug/l #	26
48) Methyl methacrylate	9.09	41	5183	2.227	ug/l #	29
51) 4-Methyl-2-Pentanone	10.35	43	22508	9.852	ug/l #	66
56) Ethyl methacrylate	11.09	69	14117	4.324	ug/l #	1
59) 2-Hexanone	11.47	43	21595	13.005	ug/l #	32
67) Ethyl Benzene	12.51	91	82267	5.245	ug/l	97
68) m/p-Xylenes	12.66	106	61218	10.872	ug/l	85
73) Isopropylbenzene	13.39	105	47744	3.538	ug/l	94
74) N-amyl acetate	13.28	43	6823	2.047	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	13.70	83	2778	1.141	ug/l #	54
78) n-propylbenzene	13.76	91	46924	3.002	ug/l	91
80) 1,3,5-Trimethylbenzene	13.92	105	25639	2.194	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.55	75	61429	86.372	ug/l #	20
84) 1,2,4-Trimethylbenzene	14.23	105	169353	14.144	ug/l	92
89) n-Butylbenzene	14.79	91	13729	1.162	ug/l	85
92) 1,2-Dibromo-3-Chloropropan	15.49	75	781	1.690	ug/l #	1
95) Naphthalene	16.12	128	44246	7.154	ug/l #	96

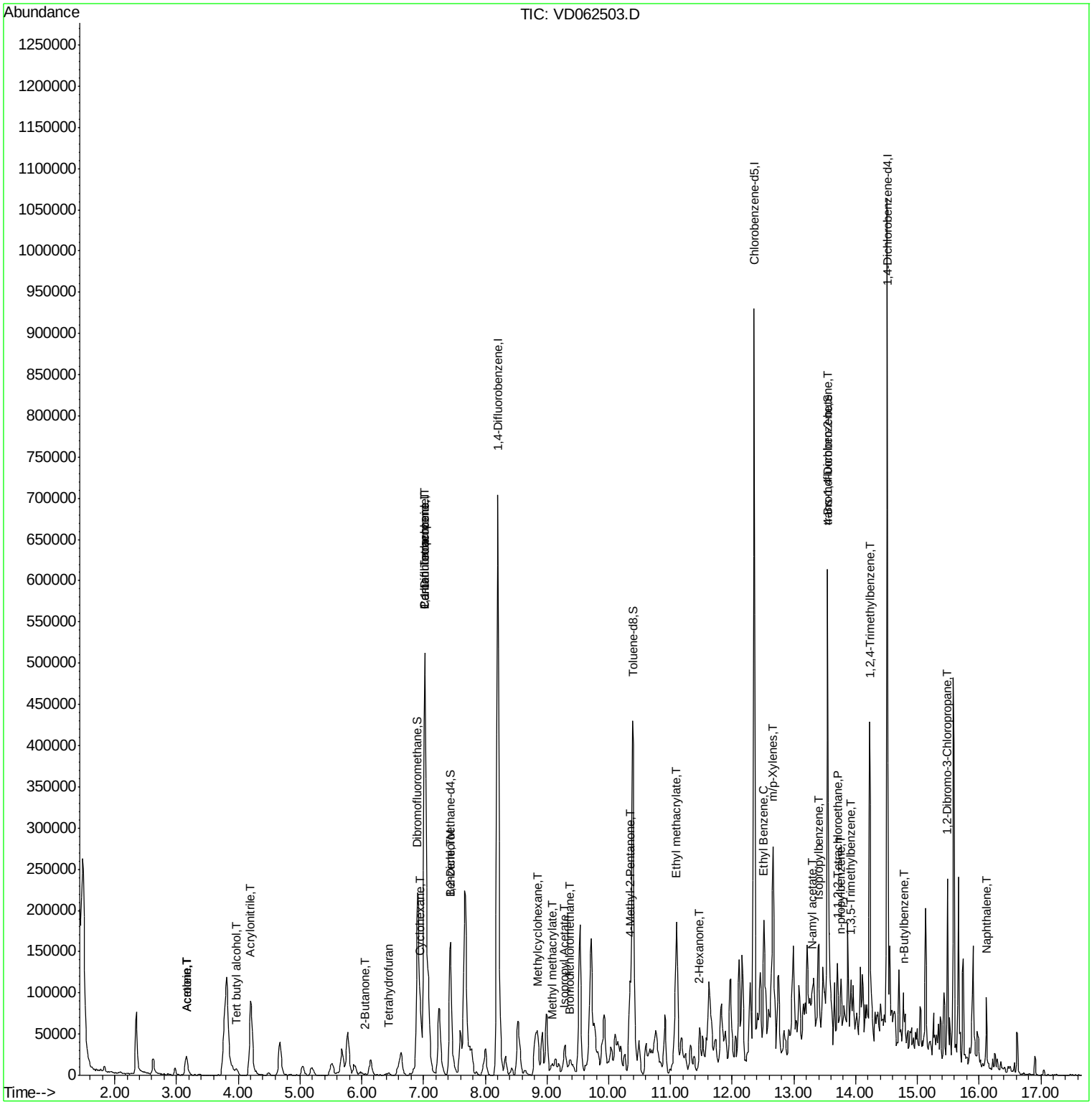
(#) = qualifier out of range (m) = manual integration (+) = signals summed

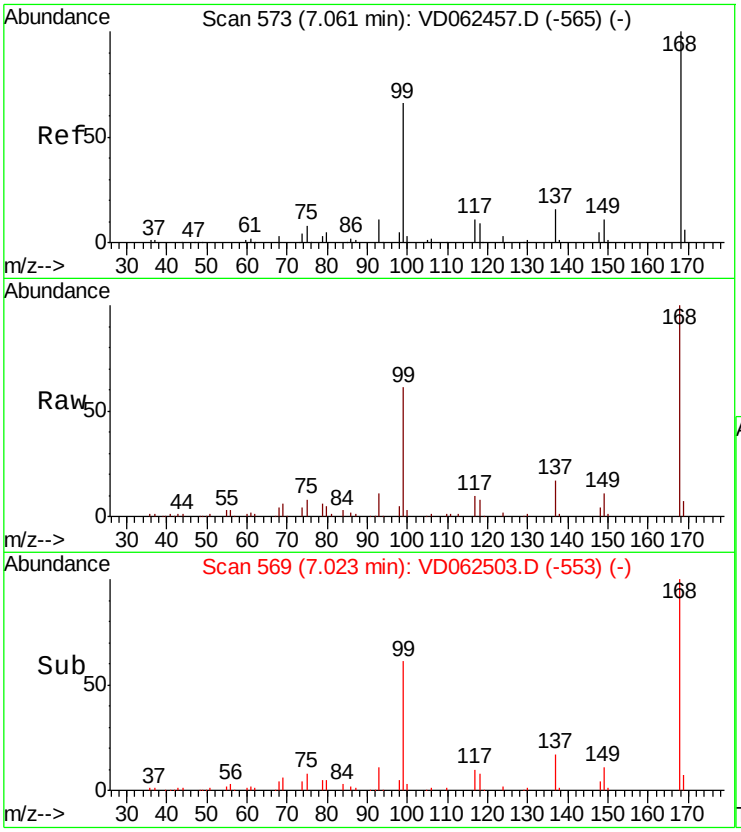
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD052219\
Data File : VD062503.D
Acq On : 22 May 2019 15:27
Operator : VA/AP
Sample : K2996-02
Misc : 5.95g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Quant Time: May 23 03:13:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration



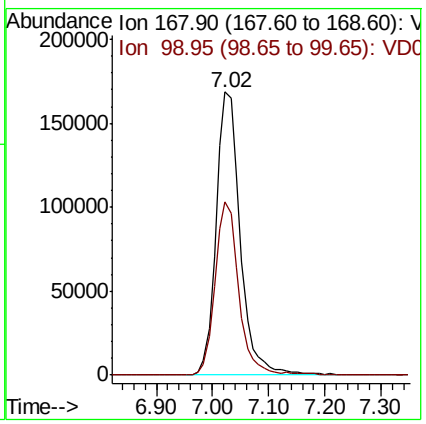


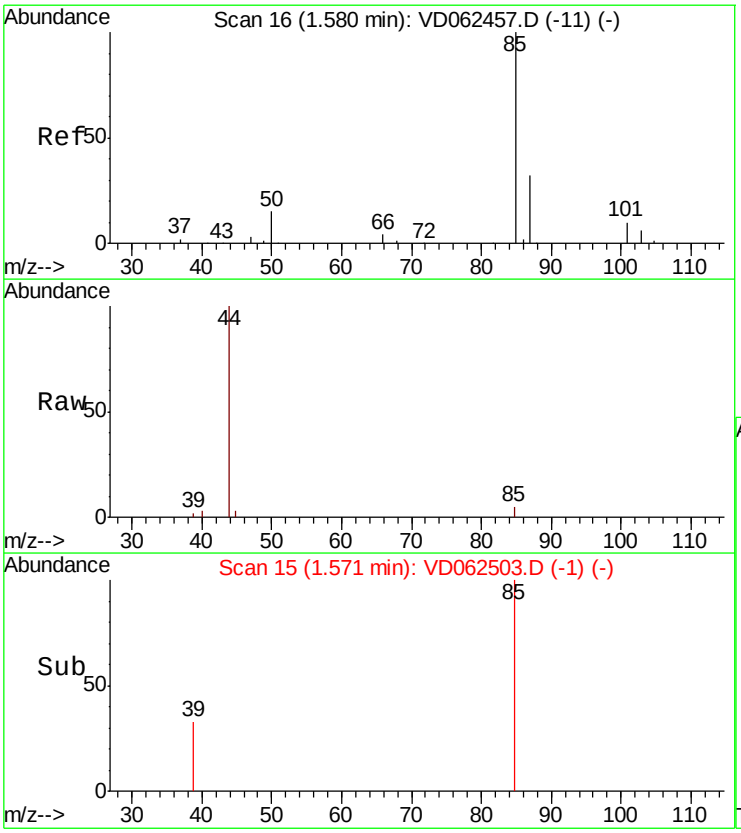
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.04 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion:168 Resp: 505881

Ion	Ratio	Lower	Upper
168	100		
99	61.3	46.5	69.7

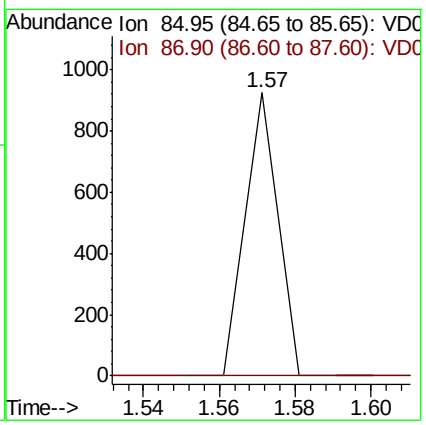


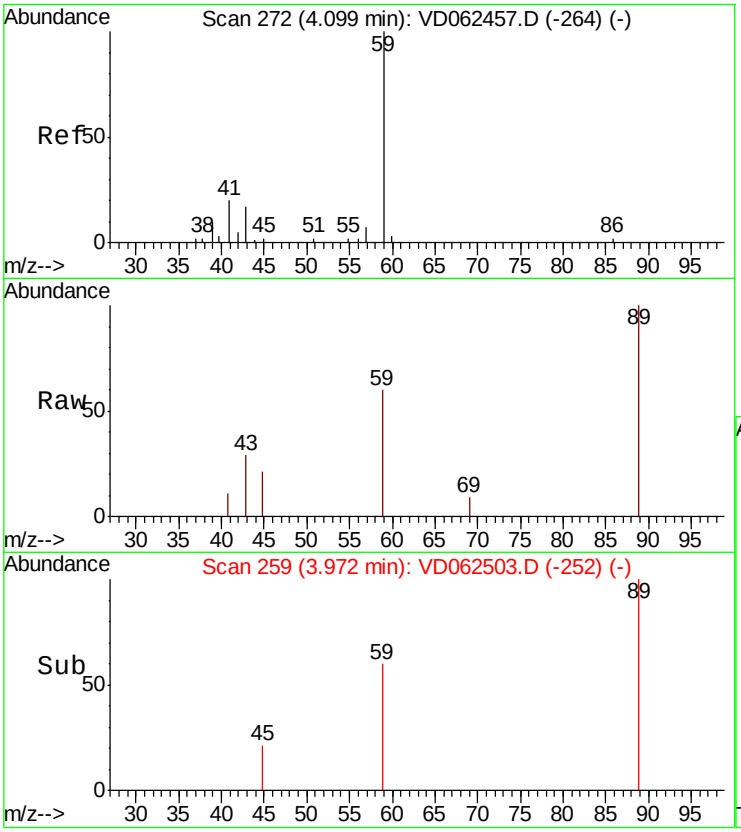


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.57 min Scan# 15
Delta R.T. -0.01 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 85 Resp: 546

Ion	Ratio	Lower	Upper
85	100		
87	0.0	16.2	48.6#



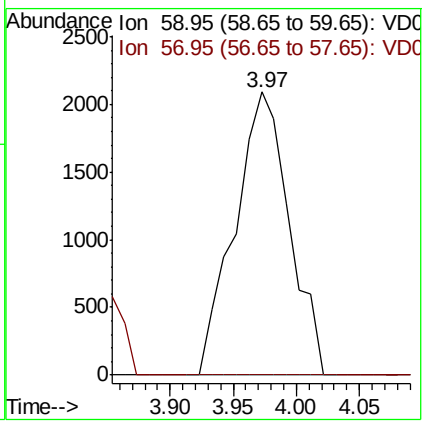


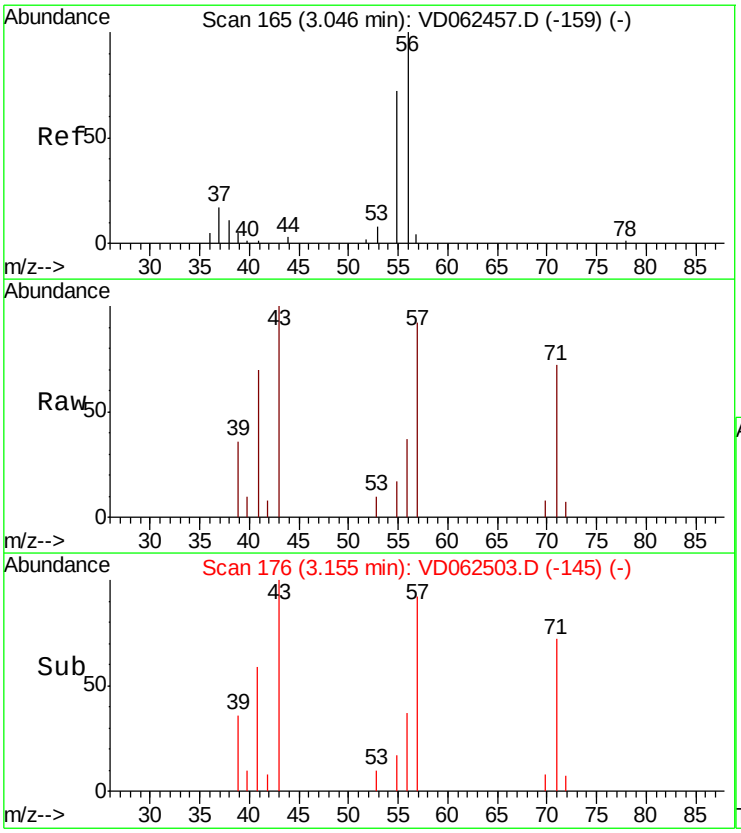
#11
Tert butyl alcohol
Concen: 25.109 ug/l
RT: 3.97 min Scan# 259
Delta R.T. -0.13 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion: 59 Resp: 6276

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.9	10.3#

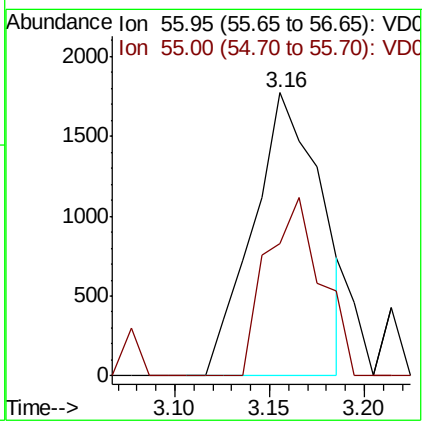


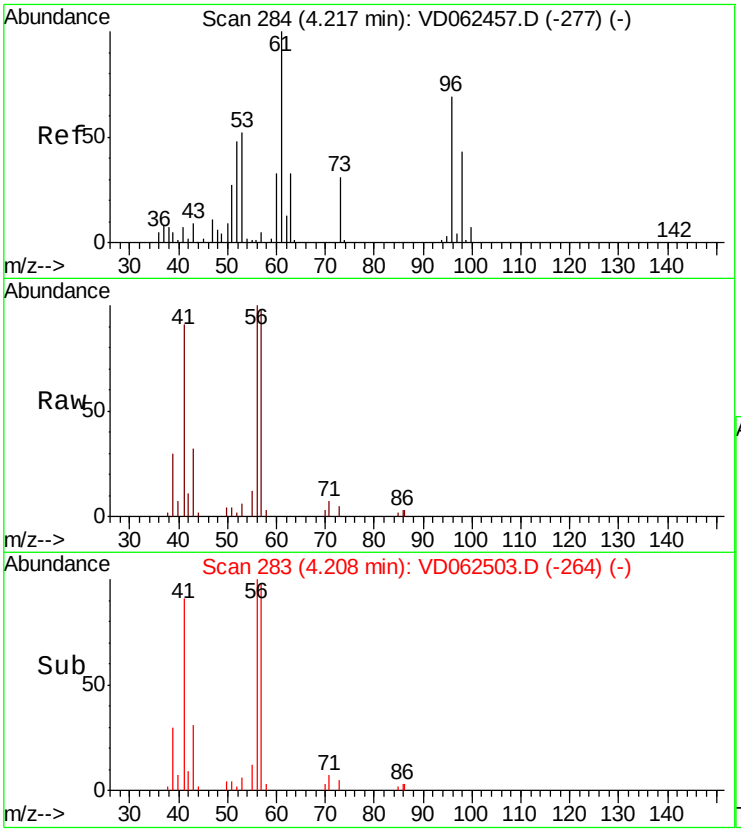


#13
Acrolein
Concen: 21.279 ug/l
RT: 3.16 min Scan# 176
Delta R.T. 0.11 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 56 Resp: 4417

Ion	Ratio	Lower	Upper
56	100		
55	46.9	51.4	77.2#



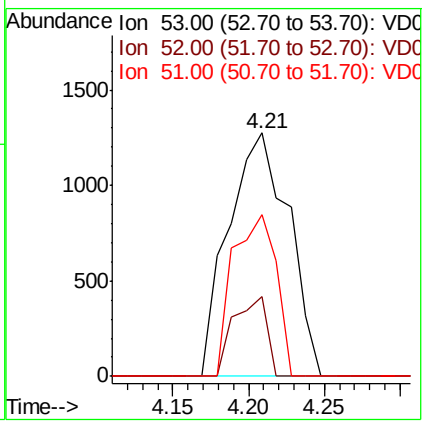


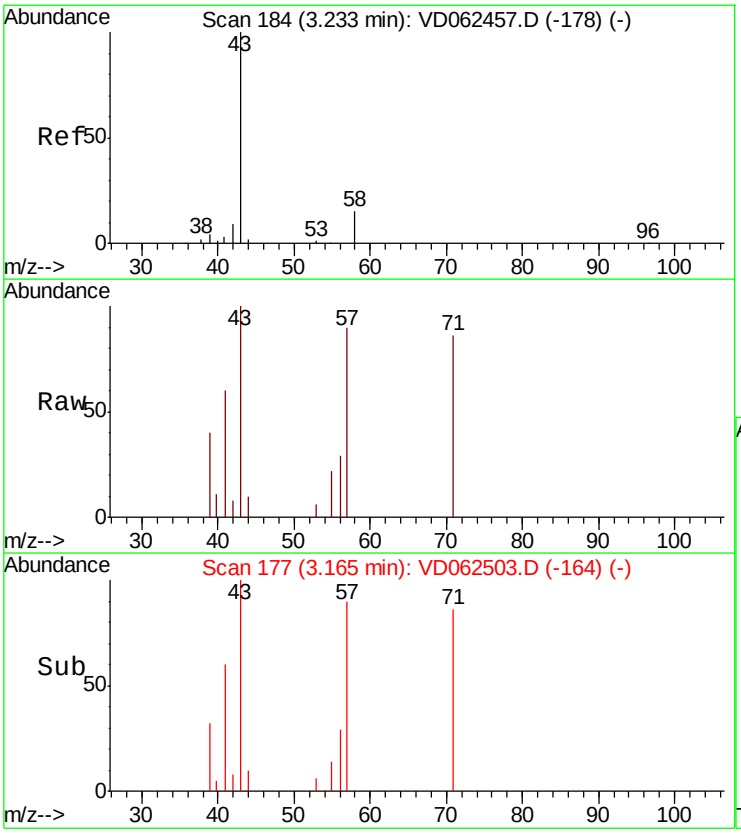
#15
Acrylonitrile
Concen: 6.165 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.01 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion: 53 Resp: 3531

Ion	Ratio	Lower	Upper
53	100		
52	33.0	65.0	97.4#
51	66.2	32.6	48.8#

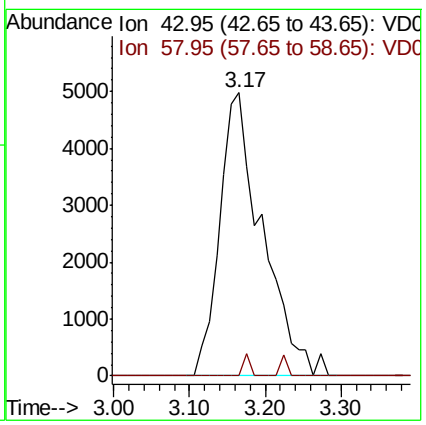


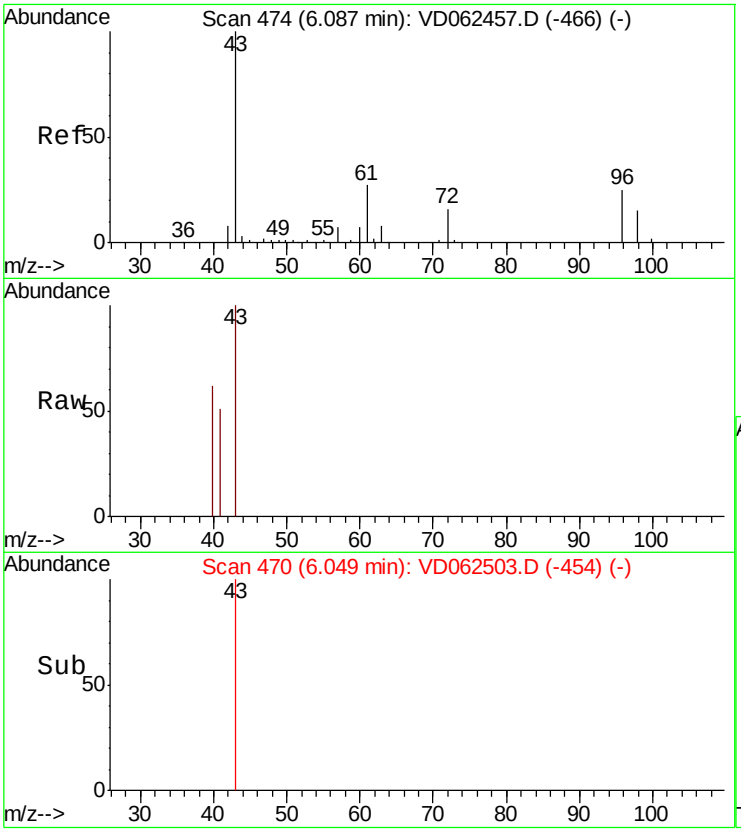


#16
Acetone
Concen: 20.005 ug/l
RT: 3.17 min Scan# 177
Delta R.T. -0.07 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 43 Resp: 19412

Ion	Ratio	Lower	Upper
43	100		
58	0.0	19.9	29.9#



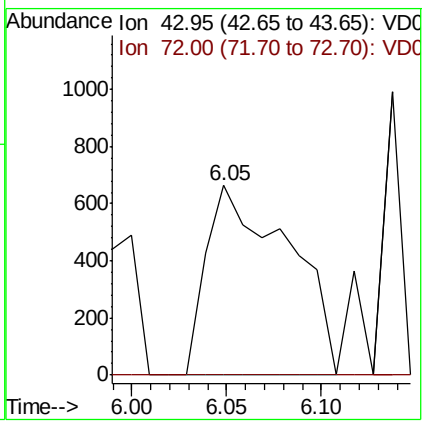


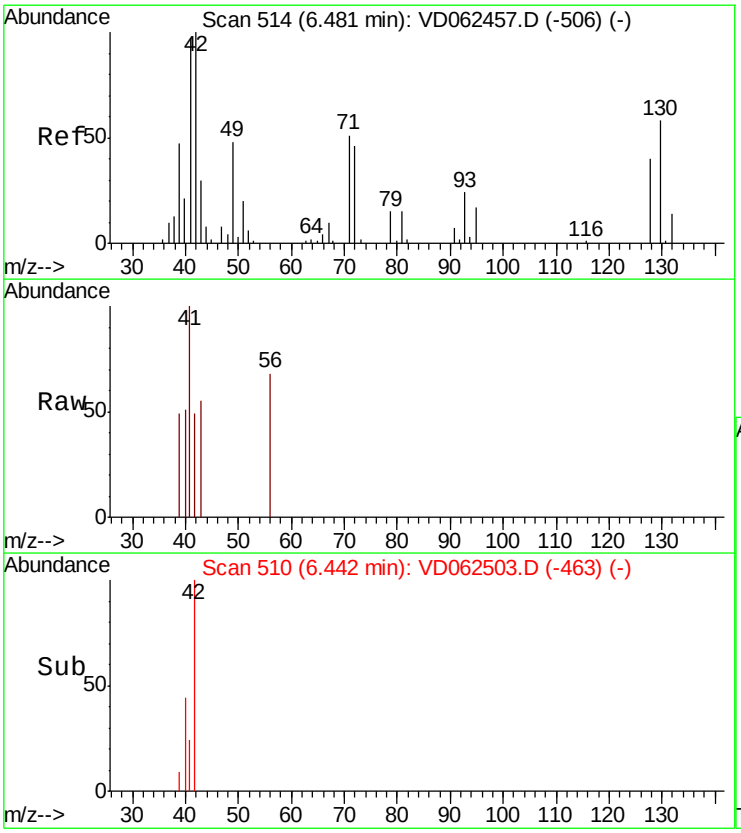
#25
2-Butanone
Concen: 1.976 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.04 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion: 43 Resp: 2006

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.4#

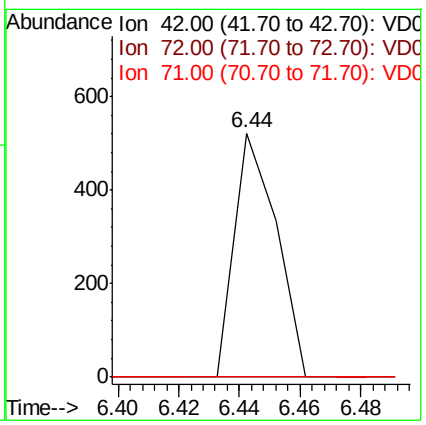


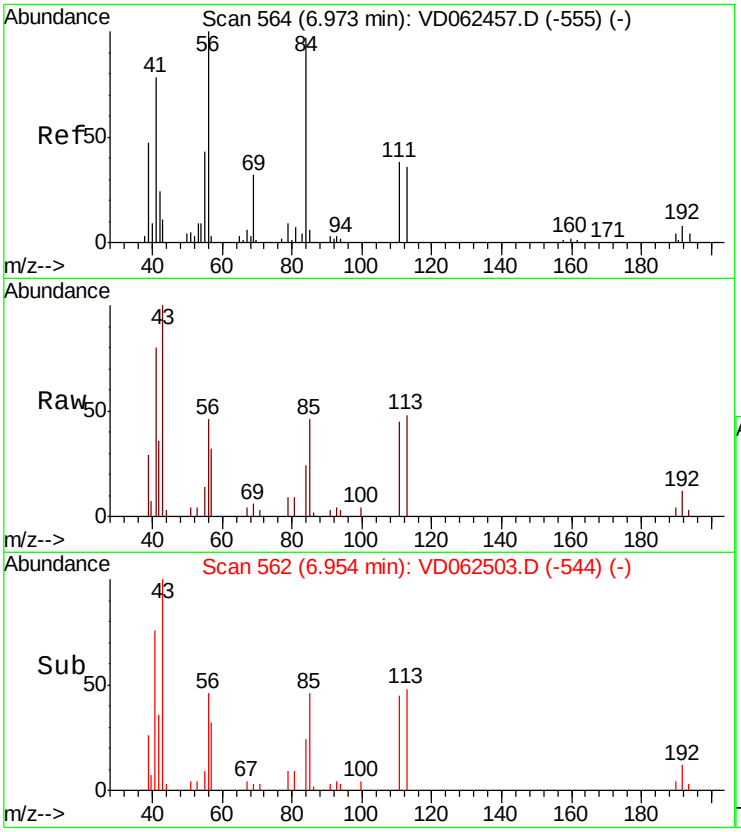


#29
Tetrahydrofuran
Concen: 1.042 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.04 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 42 Resp: 505

Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.8	56.6#
71	0.0	36.7	55.1#



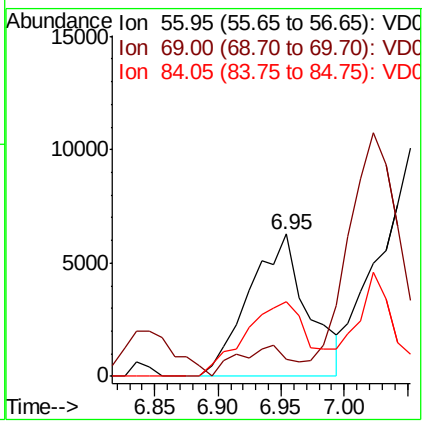


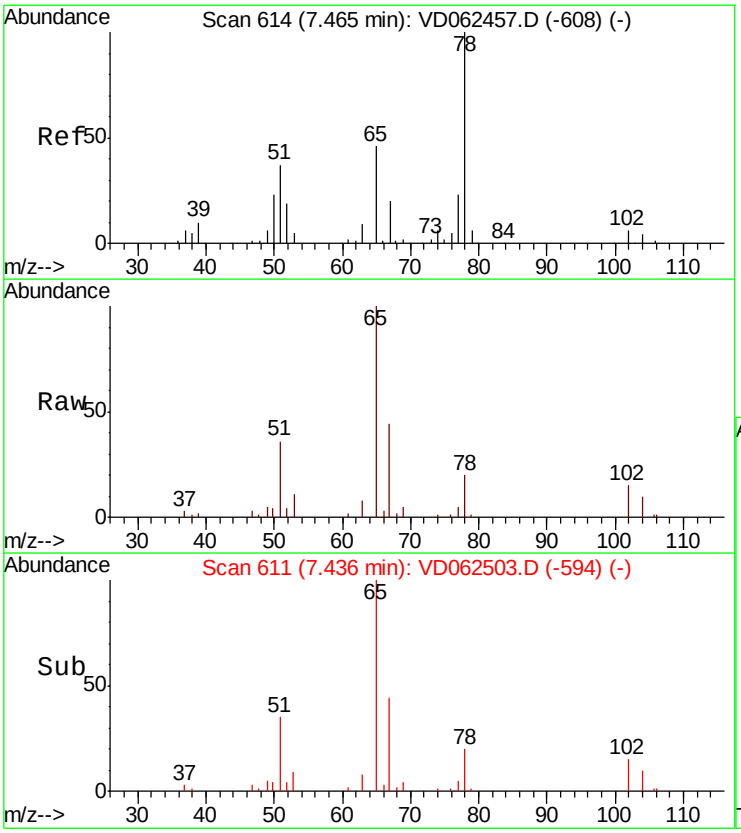
#31
Cyclohexane
Concen: 3.961 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument : MSVOA_D
ClientSampleId : P-2(0.5-1.0)

Tgt Ion: 56 Resp: 20254

Ion	Ratio	Lower	Upper
56	100		
69	12.1	25.8	38.6#
84	52.4	72.2	108.4#

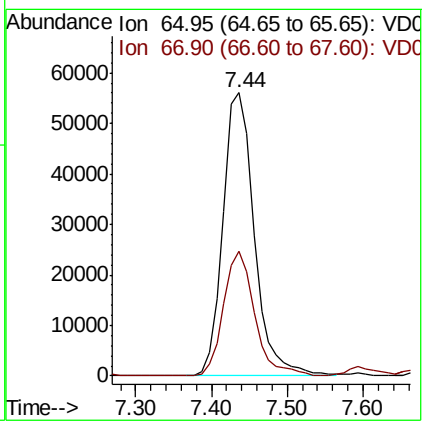


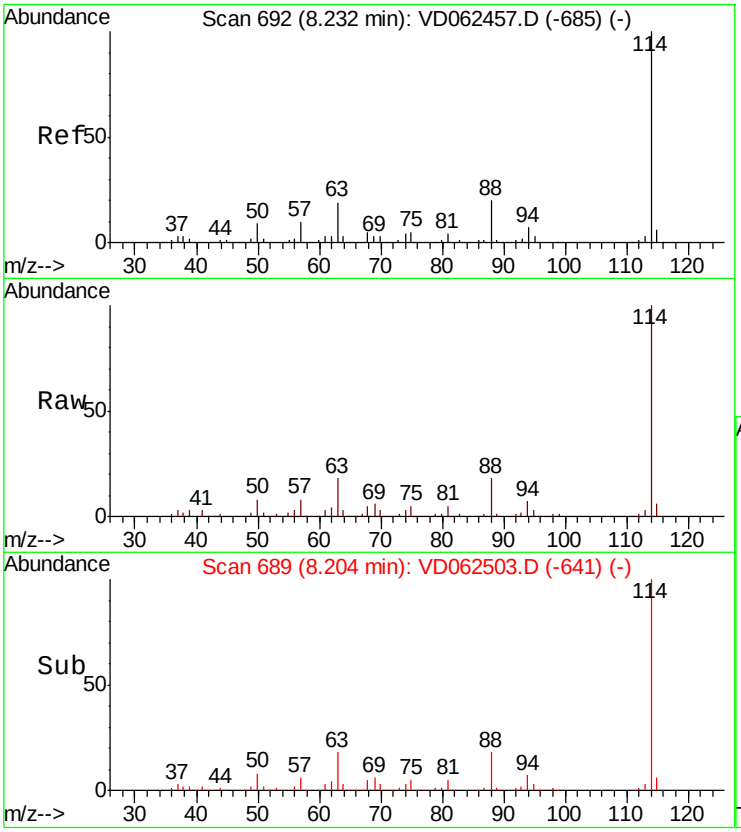


#33
1,2-Dichloroethane-d4
Concen: 29.580 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 65 Resp: 160181

Ion	Ratio	Lower	Upper
65	100		
67	44.2	0.0	98.0



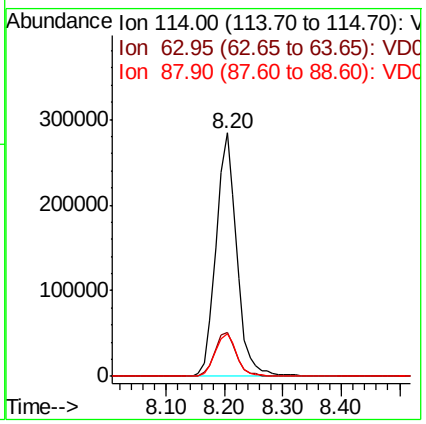


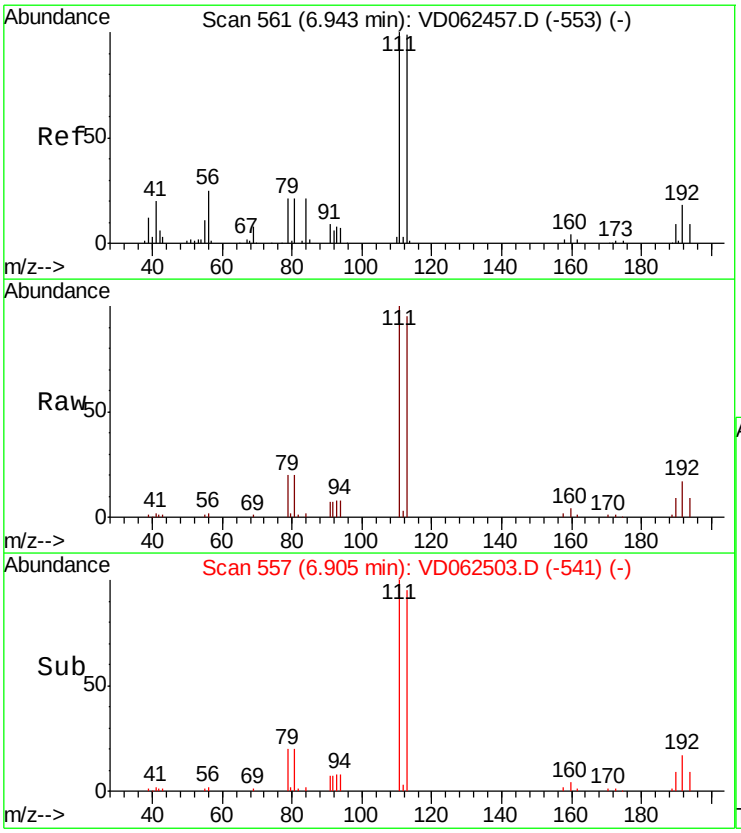
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.20 min Scan# 689
Delta R.T. -0.03 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion:114 Resp: 701888

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	32.4
88	17.6	0.0	33.6

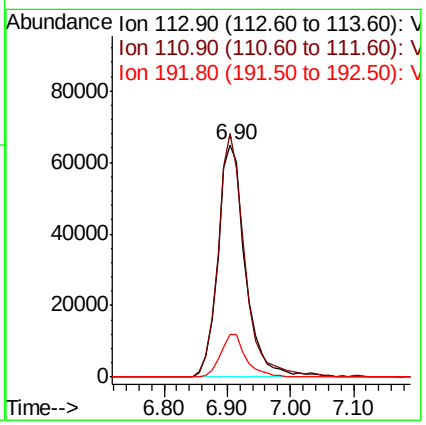


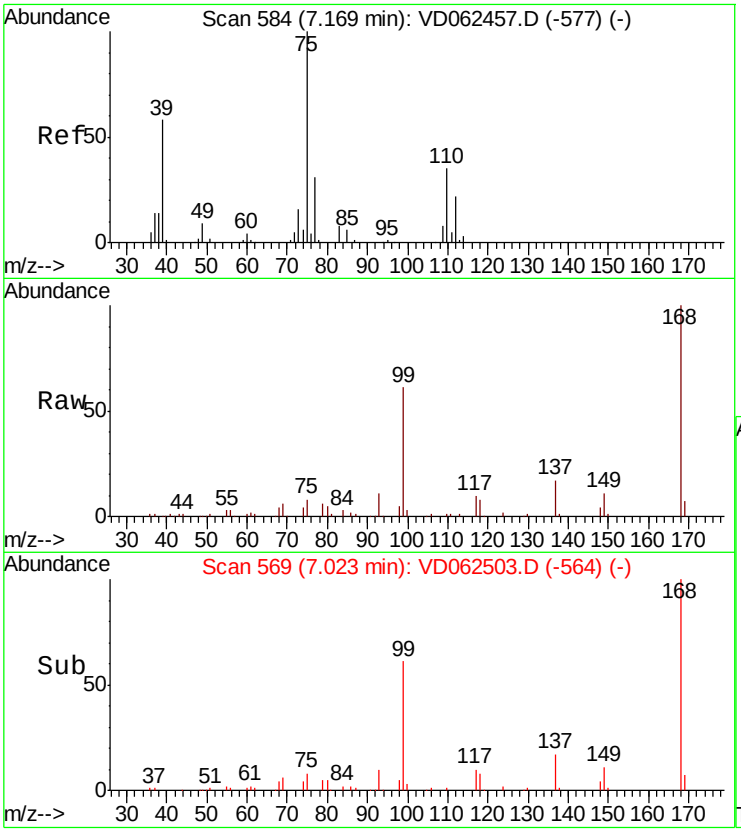


#35
Dibromofluoromethane
Concen: 30.837 ug/l
RT: 6.90 min Scan# 557
Delta R.T. -0.04 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion:113 Resp: 195256

Ion	Ratio	Lower	Upper
113	100		
111	104.9	78.5	117.7
192	18.3	13.0	19.4



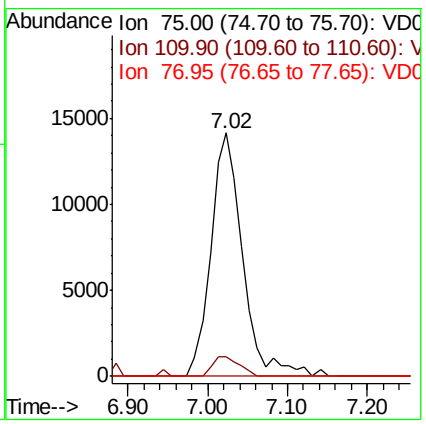


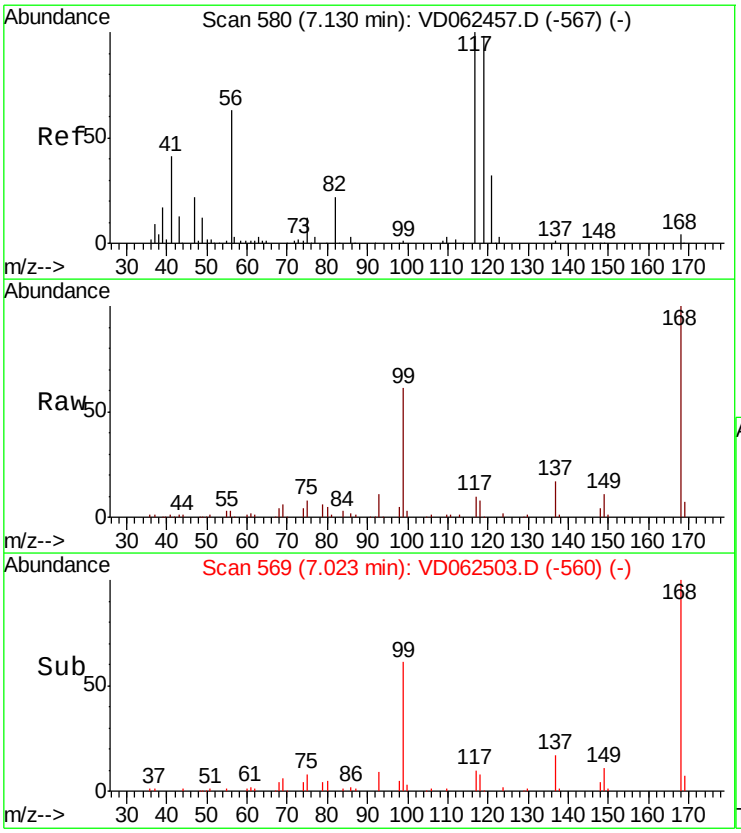
#36
1,1-Dichloropropene
Concen: 5.882 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.15 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion: 75 Resp: 39470

Ion	Ratio	Lower	Upper
75	100		
110	7.9	19.1	57.1#
77	0.0	25.6	38.4#

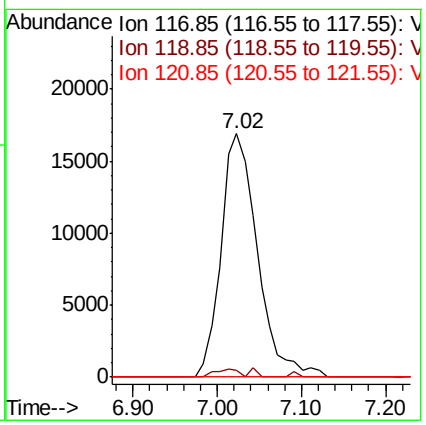


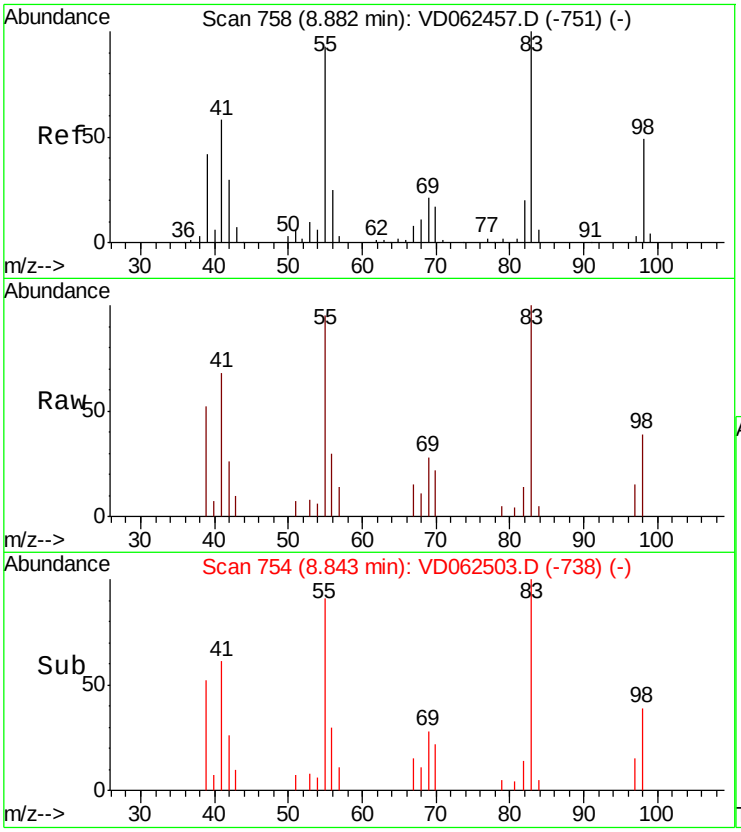


#38
Carbon Tetrachloride
Concen: 5.079 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.11 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion:117 Resp: 50652

Ion	Ratio	Lower	Upper
117	100		
119	2.8	75.8	113.8#
121	0.0	25.9	38.9#



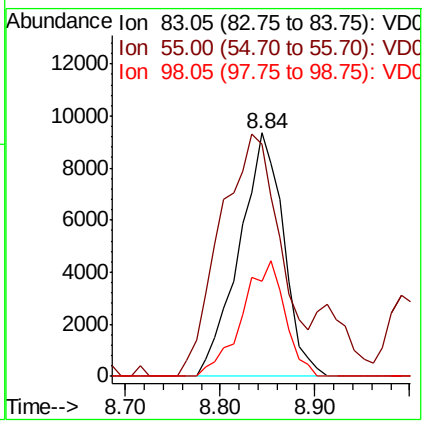


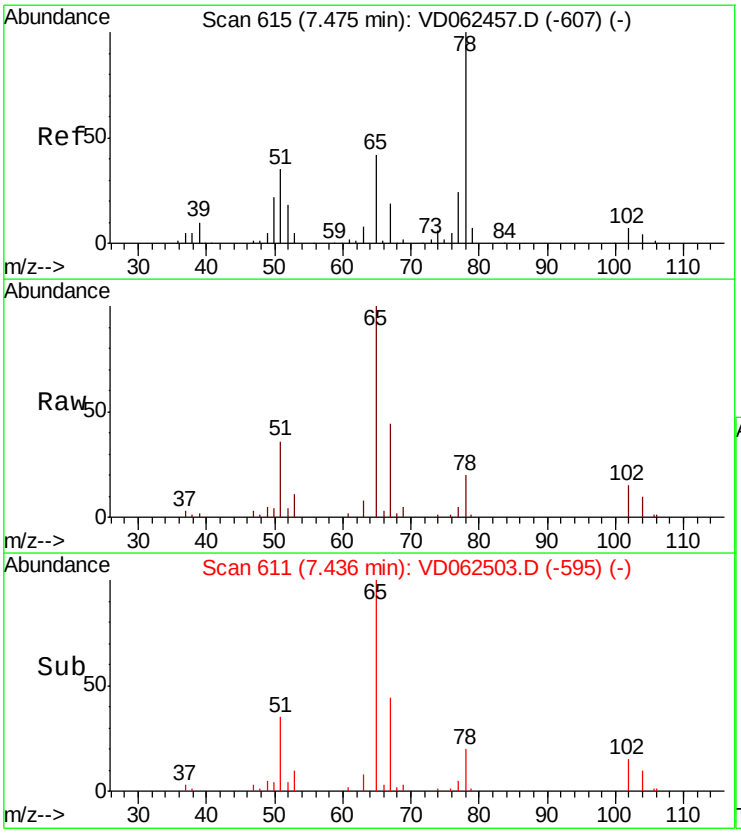
#39
Methylcyclohexane
Concen: 5.489 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.04 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion: 83 Resp: 30379

Ion	Ratio	Lower	Upper
83	100		
55	95.3	68.2	102.4
98	39.1	38.2	57.4

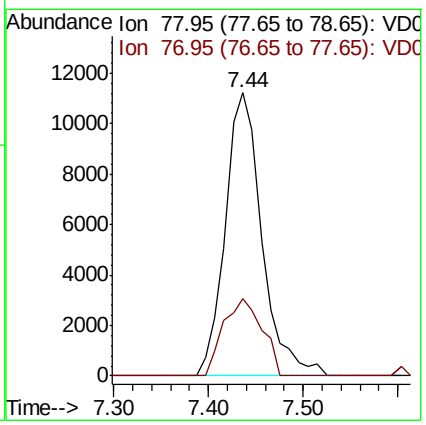


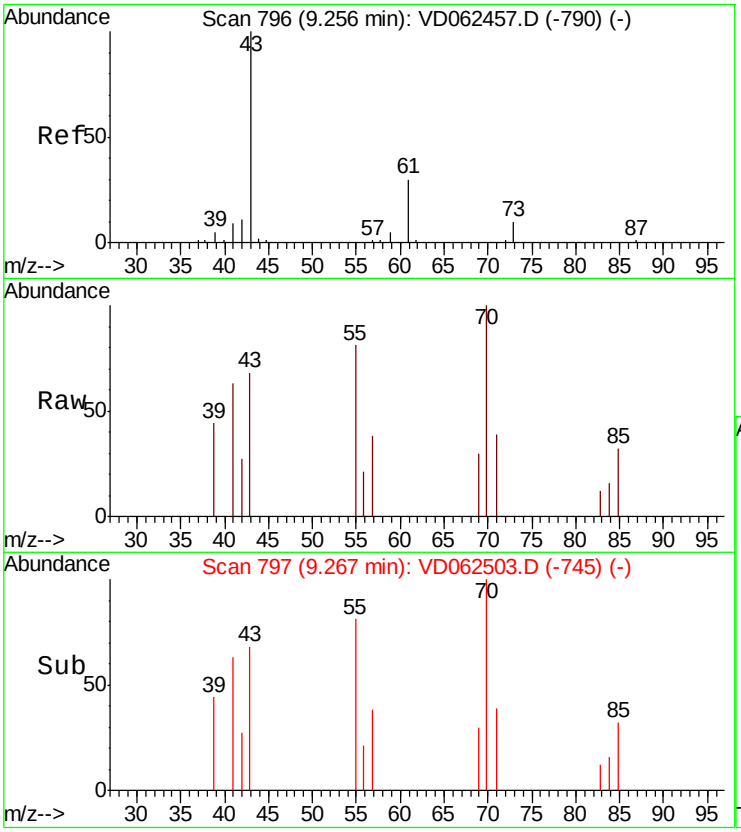


#40
Benzene
Concen: 2.278 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.04 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 78 Resp: 29979

Ion	Ratio	Lower	Upper
78	100		
77	27.5	19.7	29.5



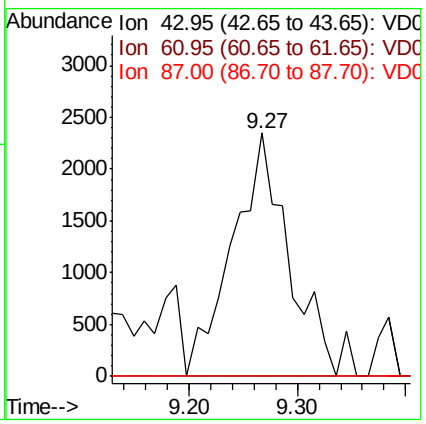


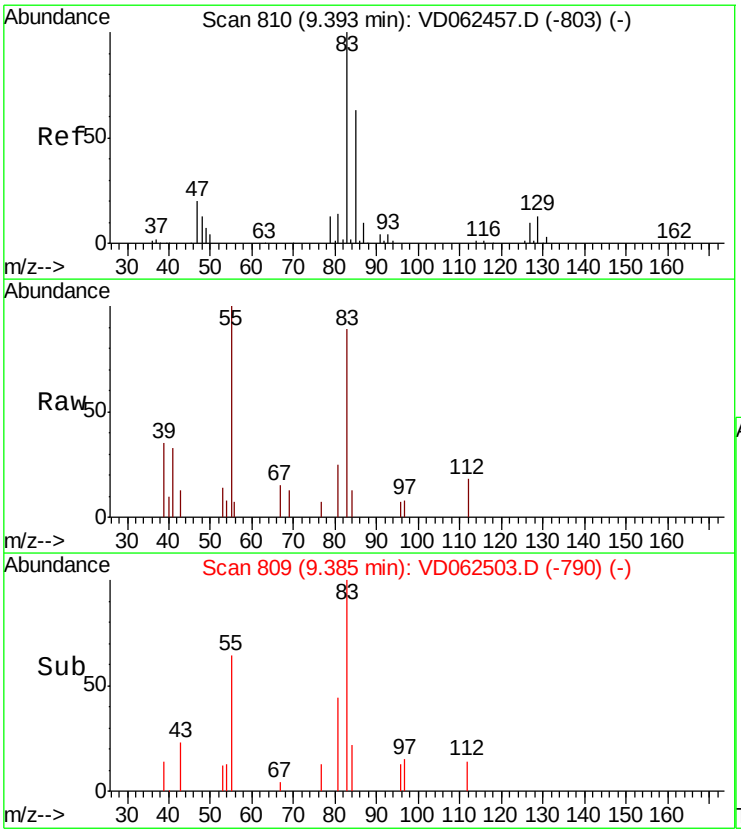
#43
Isopropyl Acetate
Concen: 2.433 ug/l
RT: 9.27 min Scan# 797
Delta R.T. 0.01 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument : MSVOA_D
ClientSampleId : P-2(0.5-1.0)

Tgt Ion: 43 Resp: 8415

Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.1	37.7#
87	0.0	0.0	0.0

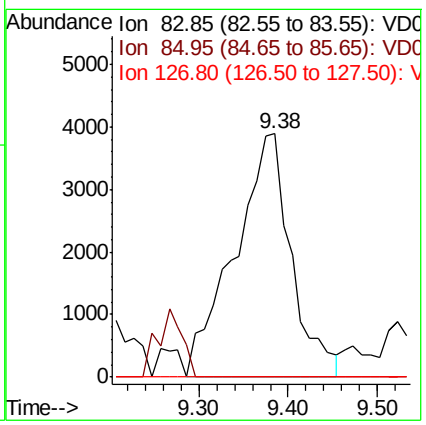


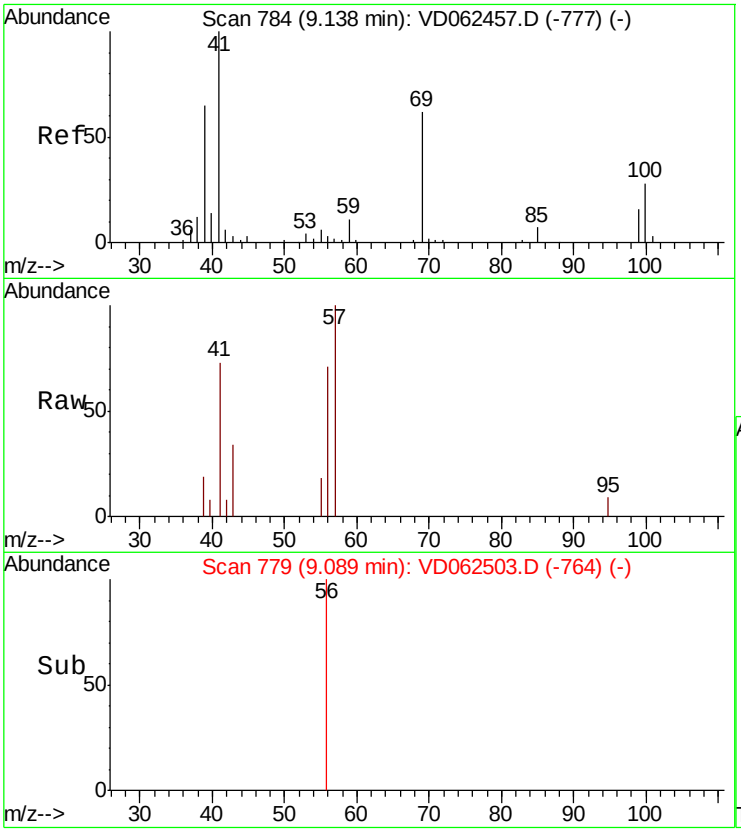


#47
Bromodichloromethane
Concen: 2.314 ug/l
RT: 9.38 min Scan# 809
Delta R.T. -0.01 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 83 Resp: 17117

Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.9	76.3#
127	0.0	8.1	12.1#



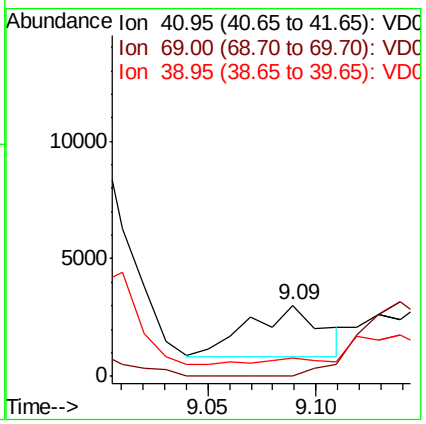


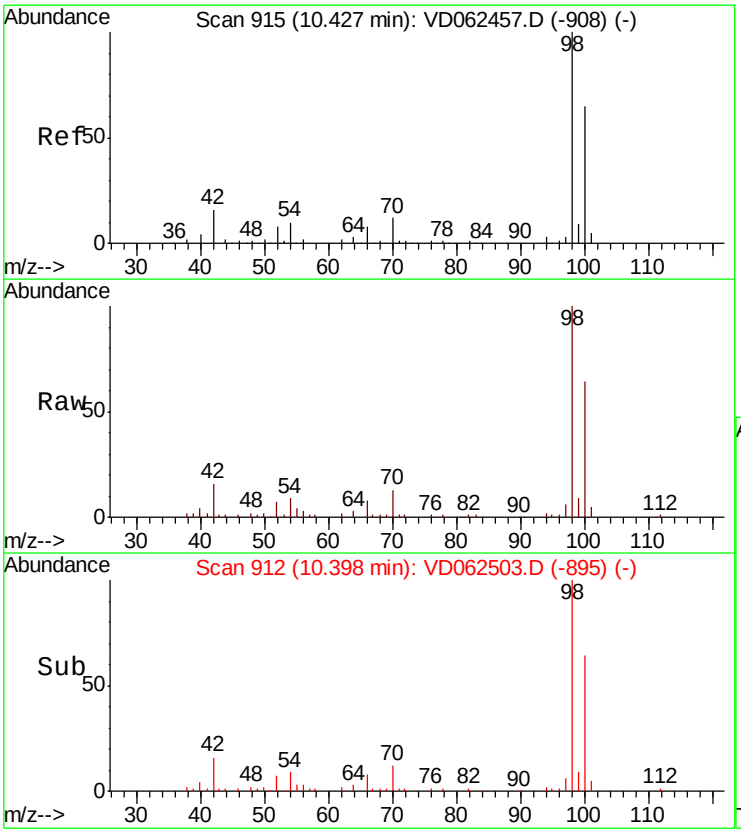
#48
Methyl methacrylate
Concen: 2.227 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.05 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument : MSVOA_D
ClientSampleId : P-2(0.5-1.0)

Tgt Ion: 41 Resp: 5183

Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.2	96.2#
39	25.8	46.8	70.2#

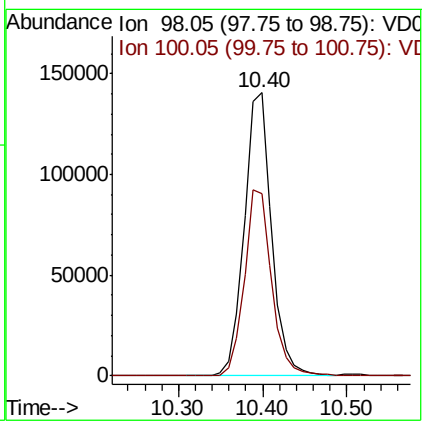


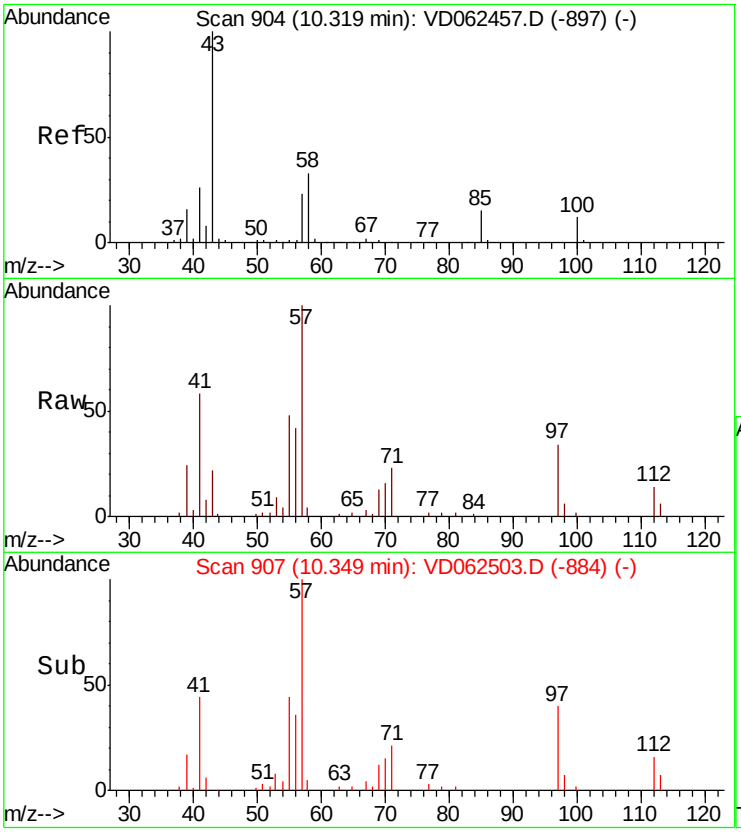


#50
Toluene-d8
Concen: 23.058 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.03 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 98 Resp: 319501

Ion	Ratio	Lower	Upper
98	100		
100	64.4	53.8	80.8



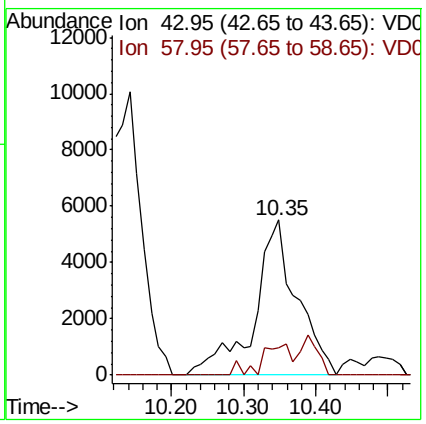


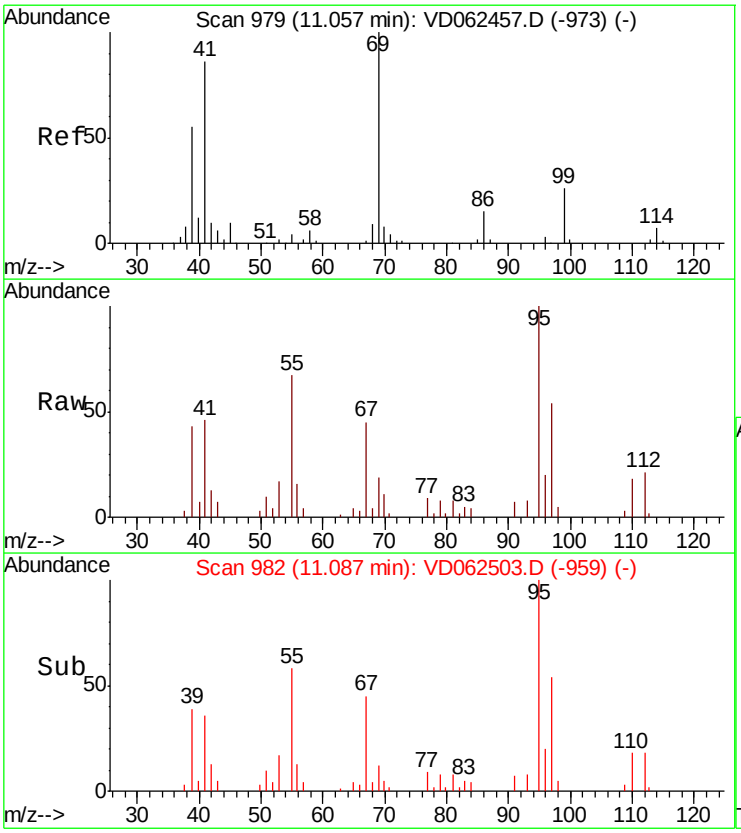
#51
4-Methyl-2-Pentanone
Concen: 9.852 ug/l
RT: 10.35 min Scan# 907
Delta R.T. 0.03 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument : MSVOA_D
ClientSampleId : P-2(0.5-1.0)

Tgt Ion: 43 Resp: 22508

Ion	Ratio	Lower	Upper
43	100		
58	17.7	30.4	45.6#

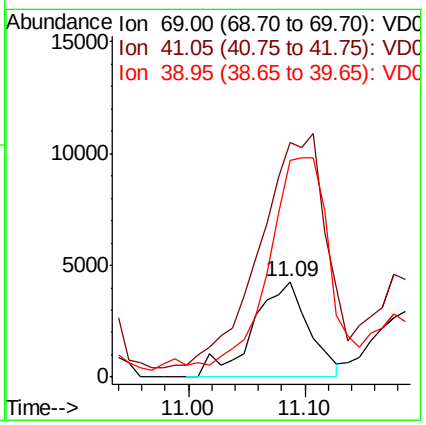


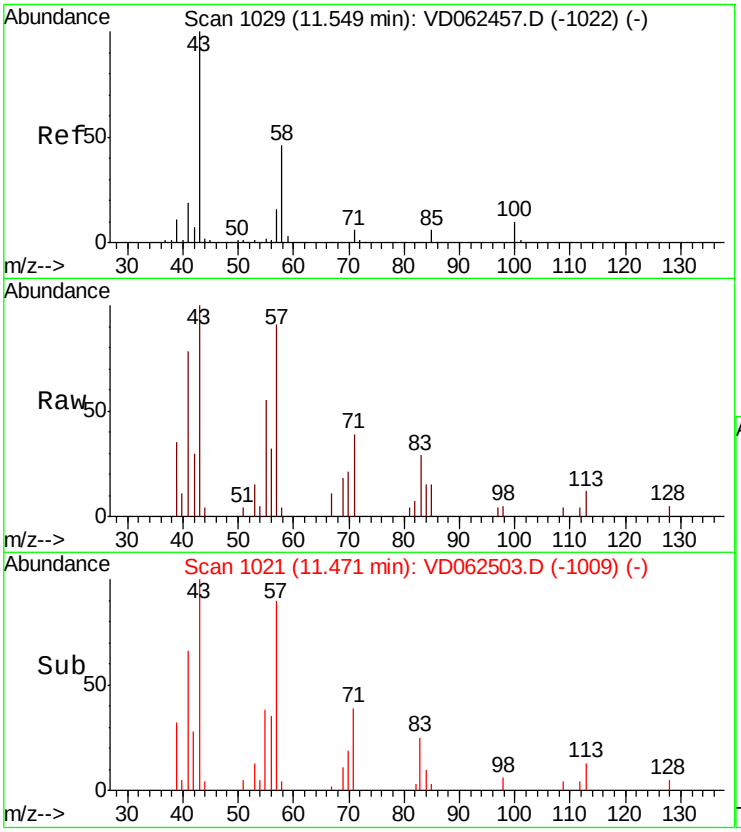


#56
Ethyl methacrylate
Concen: 4.324 ug/l
RT: 11.09 min Scan# 982
Delta R.T. 0.03 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 69 Resp: 14117

Ion	Ratio	Lower	Upper
69	100		
41	246.3	56.3	84.5#
39	227.7	29.4	44.2#



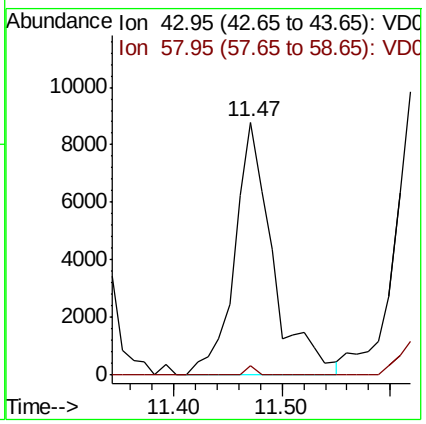


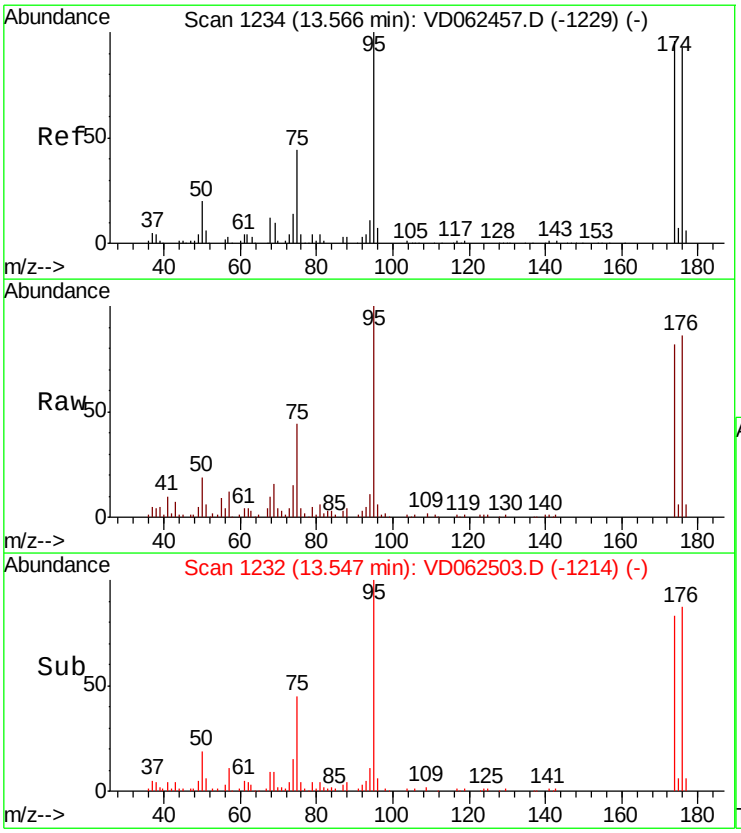
#59
2-Hexanone
Concen: 13.005 ug/l
RT: 11.47 min Scan# 1021
Delta R.T. -0.08 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion: 43 Resp: 21595

Ion	Ratio	Lower	Upper
43	100		
58	3.6	25.4	76.4#

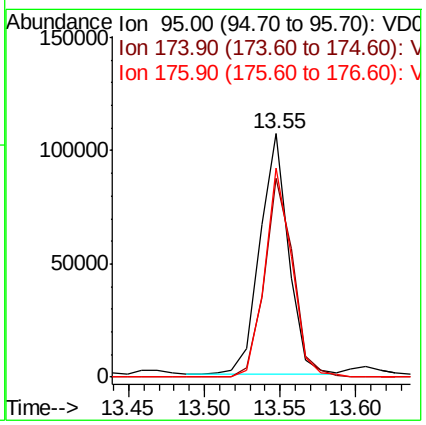


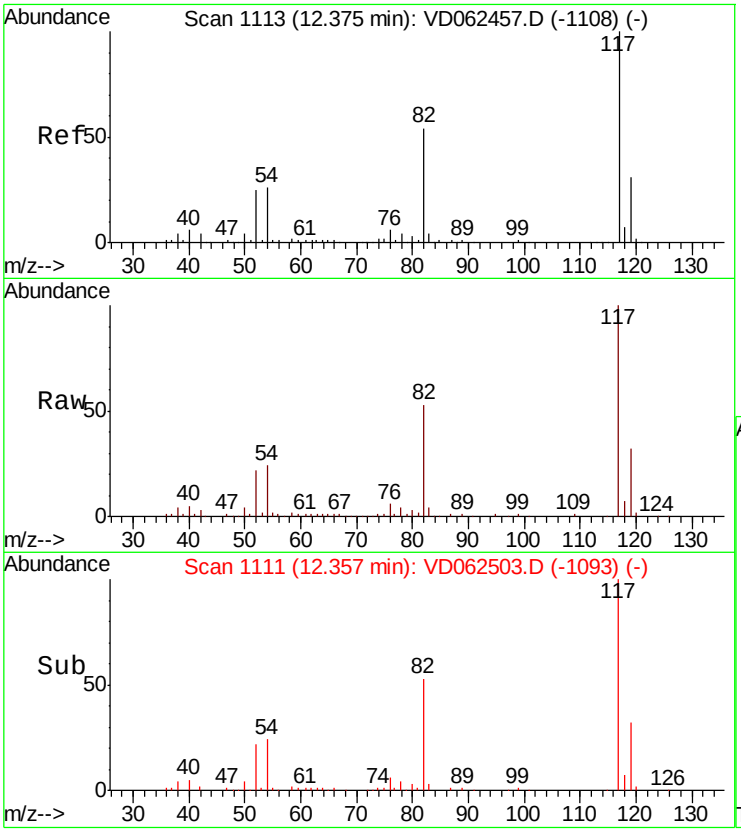


#62
4-Bromofluorobenzene
Concen: 23.121 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 95 Resp: 140145

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	181.8
176	85.7	0.0	174.4



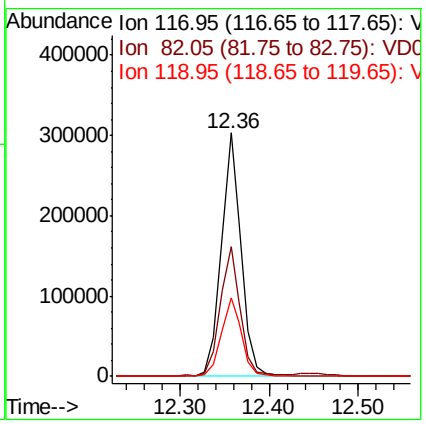


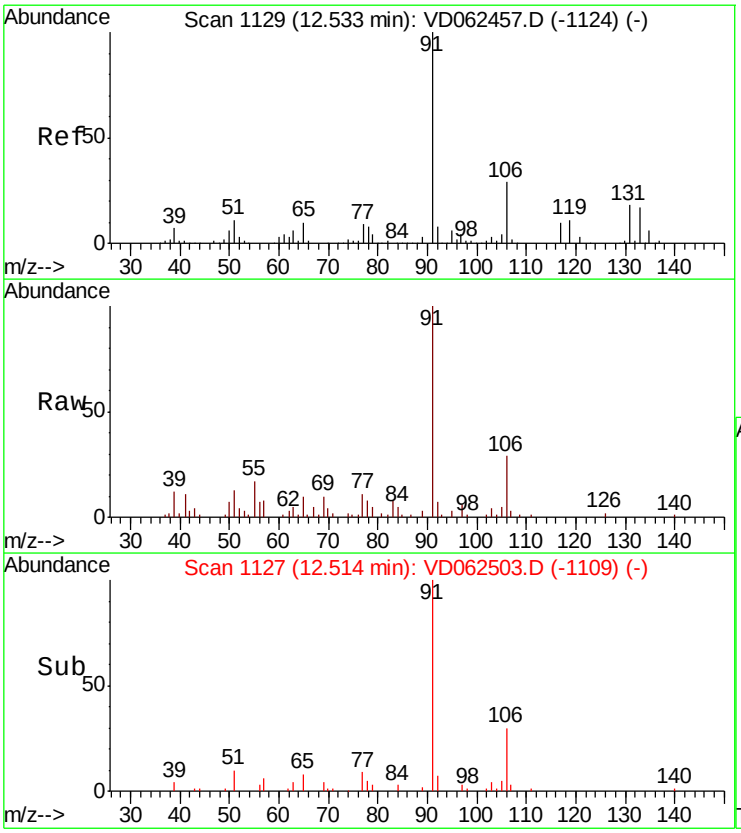
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion:117 Resp: 473564

Ion	Ratio	Lower	Upper
117	100		
82	53.2	36.2	54.2
119	32.2	26.2	39.4

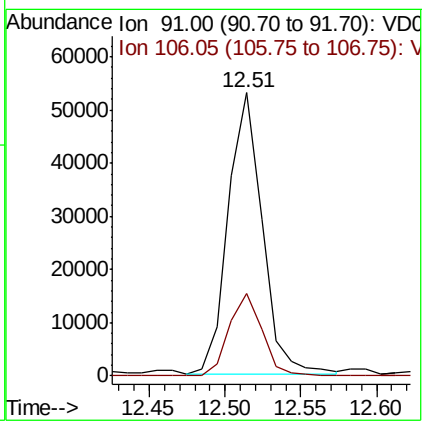


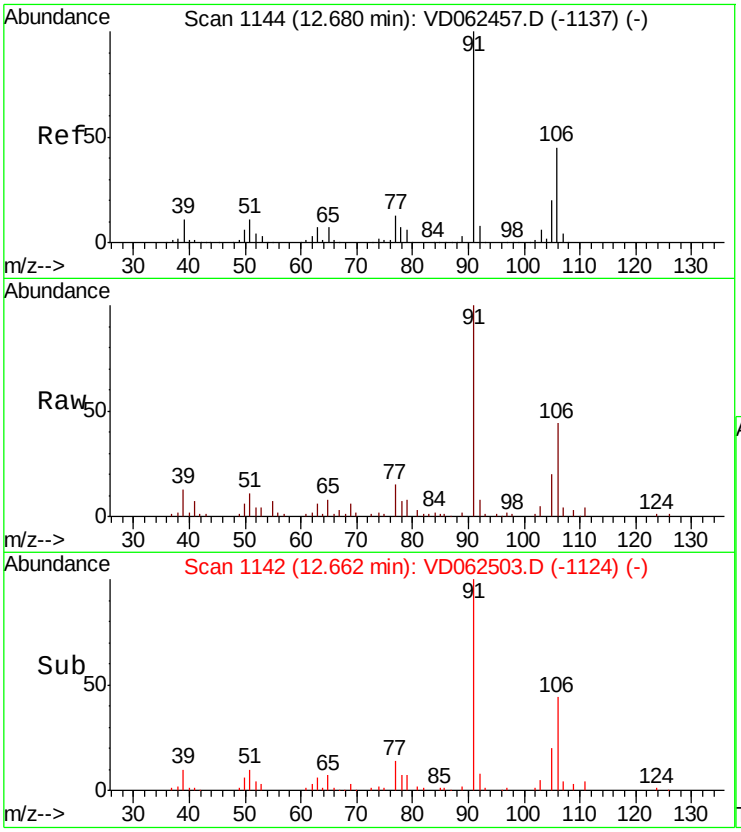


#67
Ethyl Benzene
Concen: 5.245 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 91 Resp: 82267

Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.7	37.1



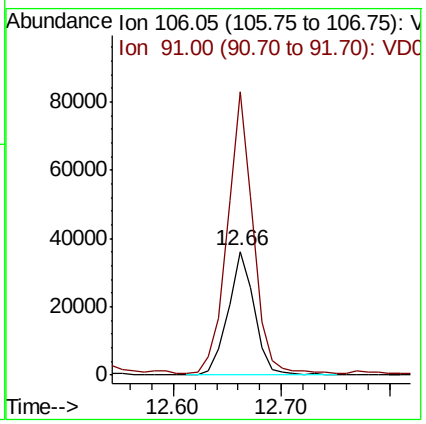


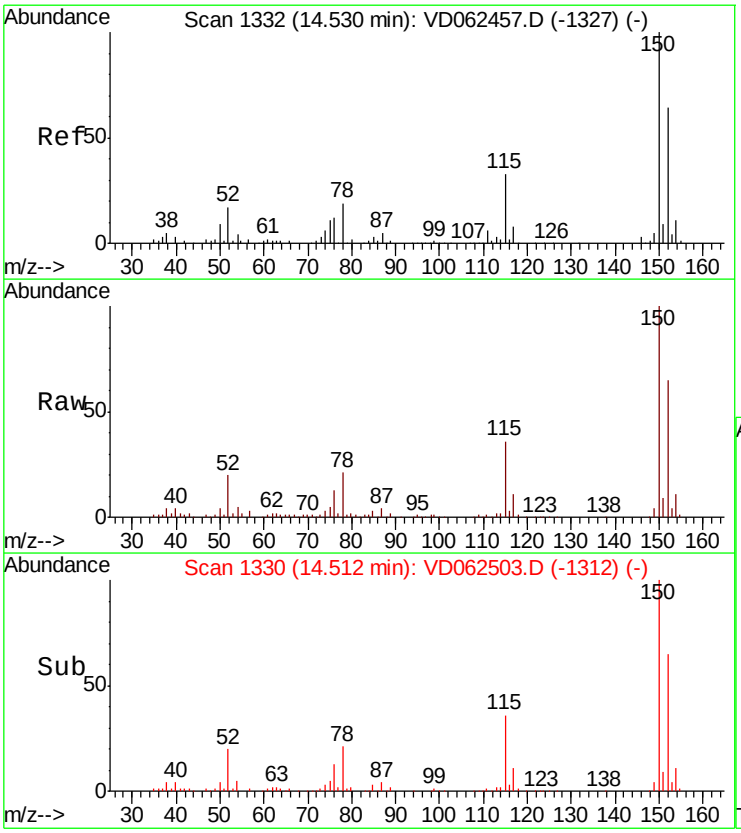
#68
m/p-Xylenes
Concen: 10.872 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument : MSVOA_D
ClientSampleId : P-2(0.5-1.0)

Tgt Ion:106 Resp: 61218

Ion	Ratio	Lower	Upper
106	100		
91	228.5	164.0	246.0

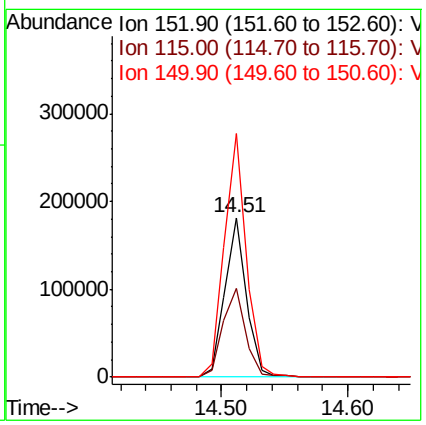


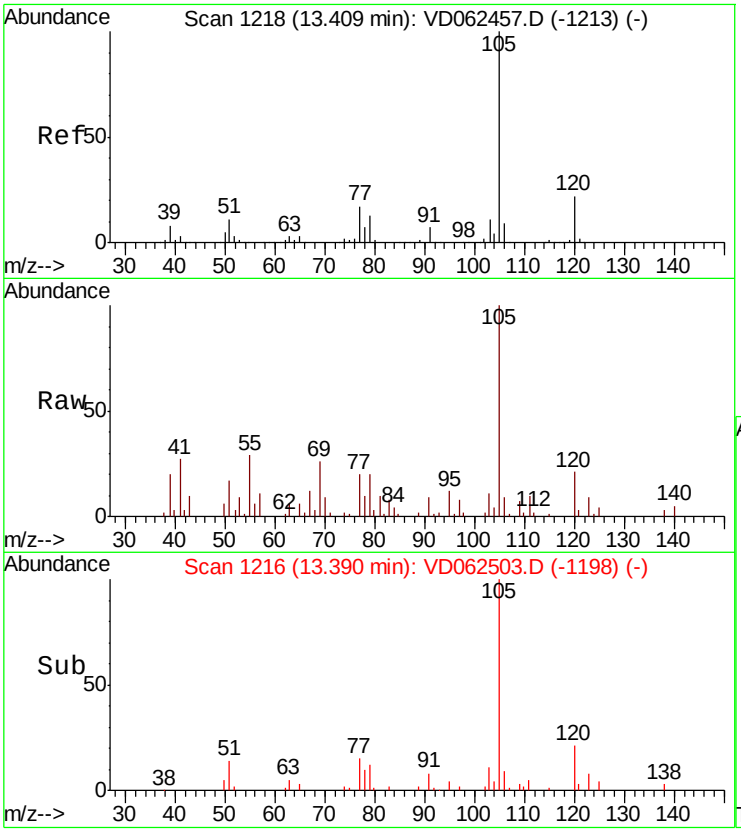


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion:152 Resp: 214095

Ion	Ratio	Lower	Upper
152	100		
115	55.7	30.9	92.7
150	152.9	0.0	314.8



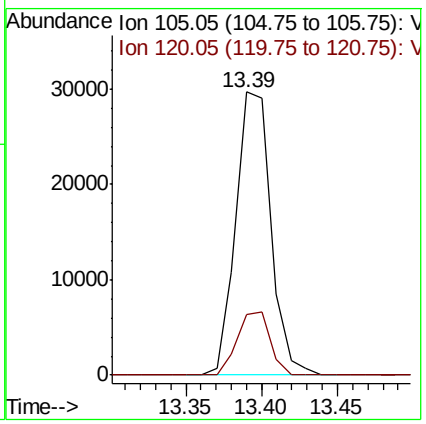


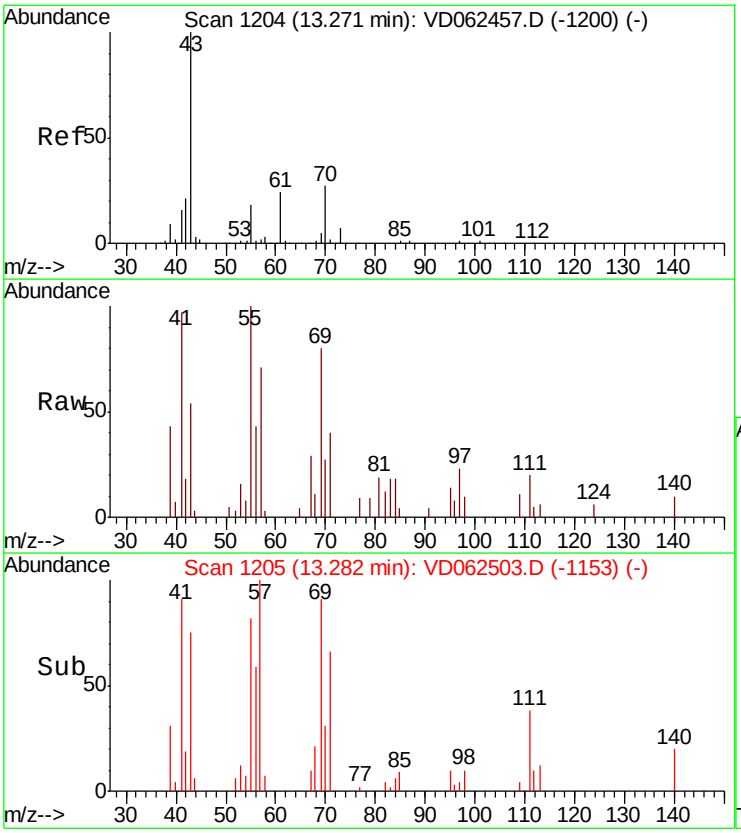
#73
Isopropylbenzene
Concen: 3.538 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument : MSVOA_D
ClientSampleId : P-2(0.5-1.0)

Tgt Ion:105 Resp: 47744

Ion	Ratio	Lower	Upper
105	100		
120	21.2	12.0	36.1

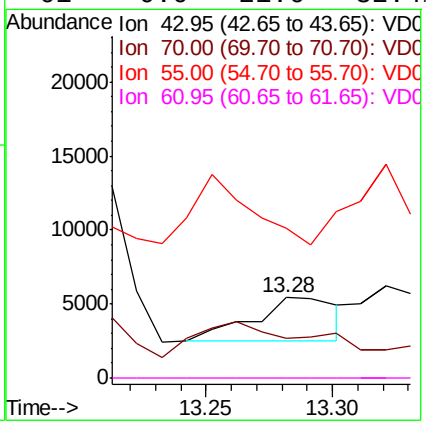


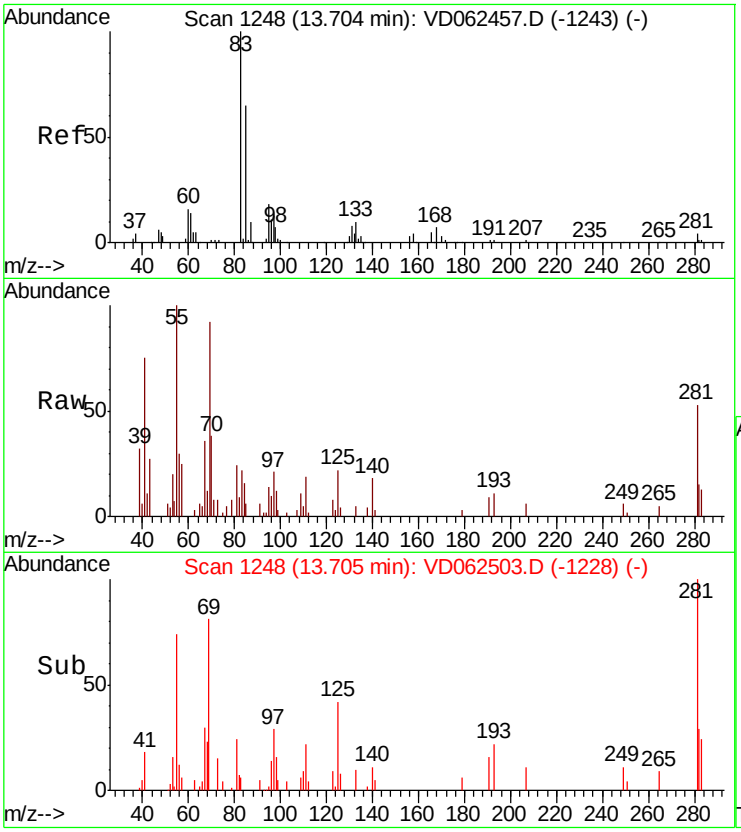


#74
N-amyl acetate
Concen: 2.047 ug/l
RT: 13.28 min Scan# 1205
Delta R.T. 0.01 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 43 Resp: 6823

Ion	Ratio	Lower	Upper
43	100		
70	49.5	24.2	36.4#
55	186.3	16.0	24.0#
61	0.0	21.6	32.4#



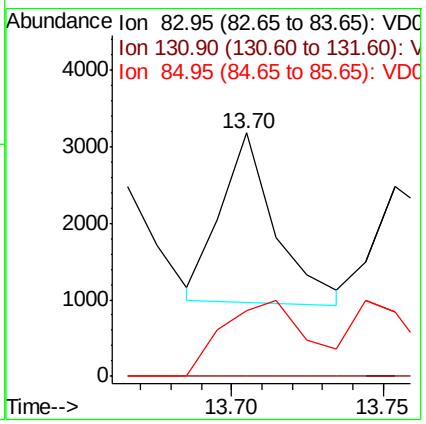


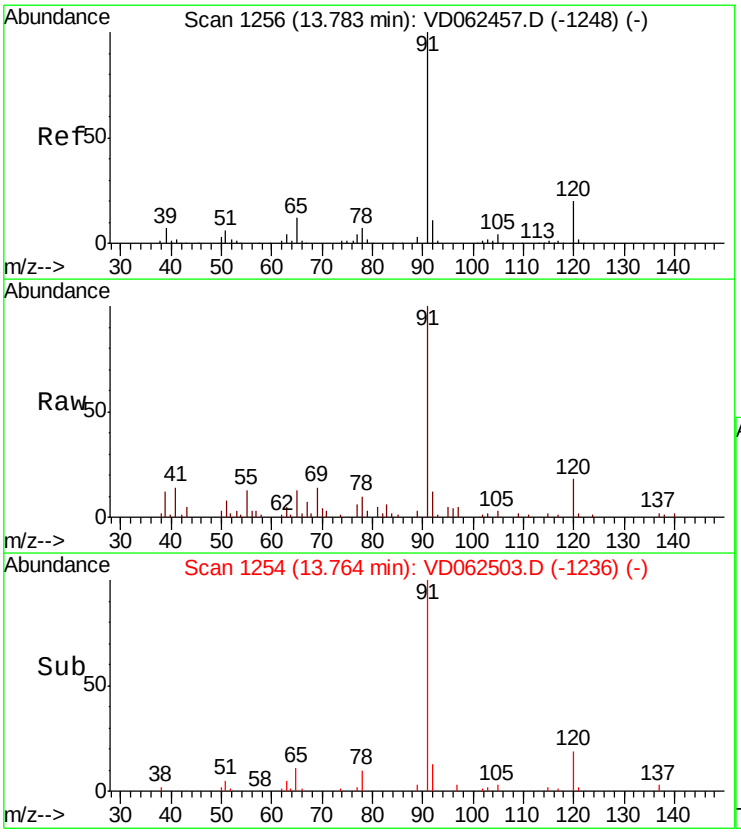
#75
1,1,2,2-Tetrachloroethane
Concen: 1.141 ug/l
RT: 13.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion: 83 Resp: 2778

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	26.9	32.6	97.7#

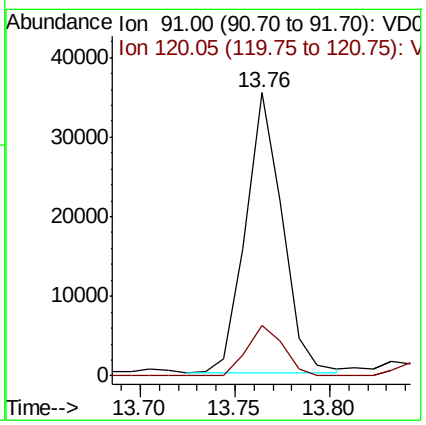


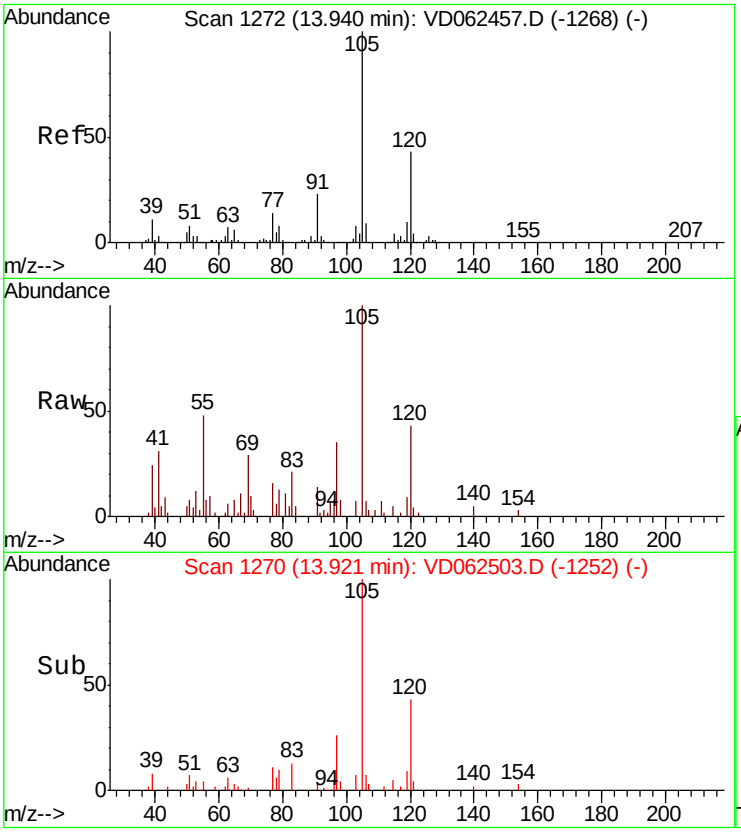


#78
n-propylbenzene
Concen: 3.002 ug/l
RT: 13.76 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 91 Resp: 46924

Ion	Ratio	Lower	Upper
91	100		
120	17.8	11.1	33.1



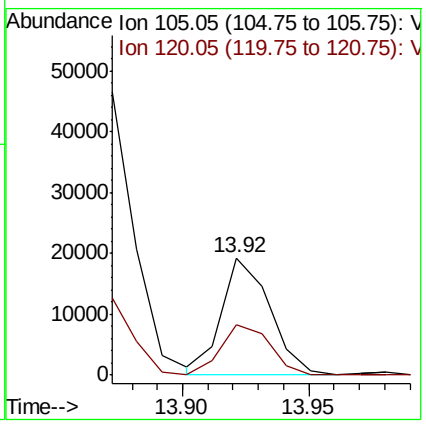


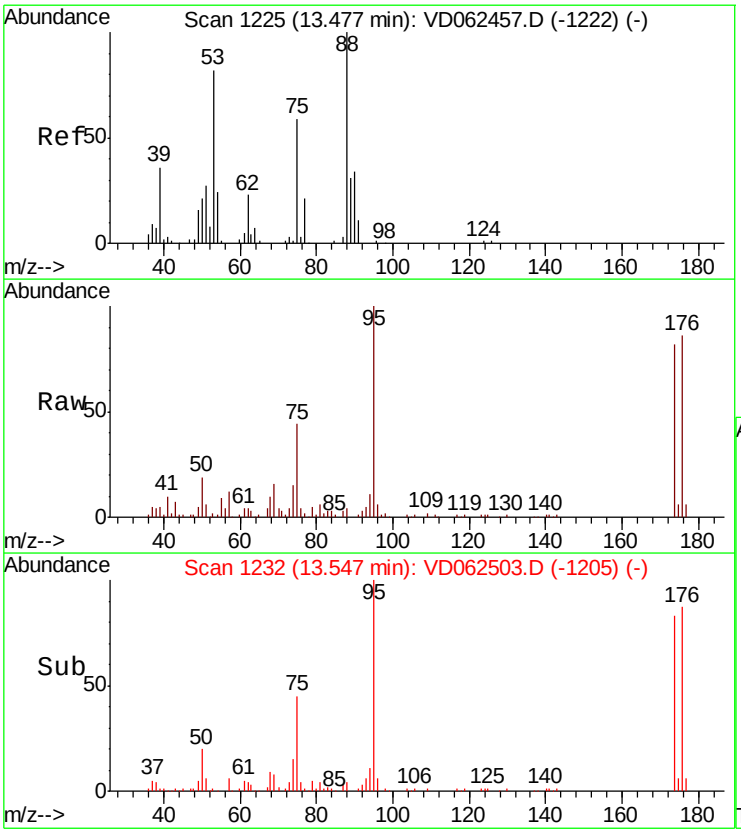
#80
1,3,5-Trimethylbenzene
Concen: 2.194 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion:105 Resp: 25639

Ion	Ratio	Lower	Upper
105	100		
120	42.8	24.0	72.0

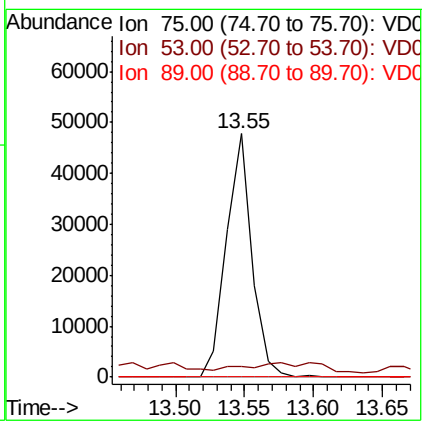


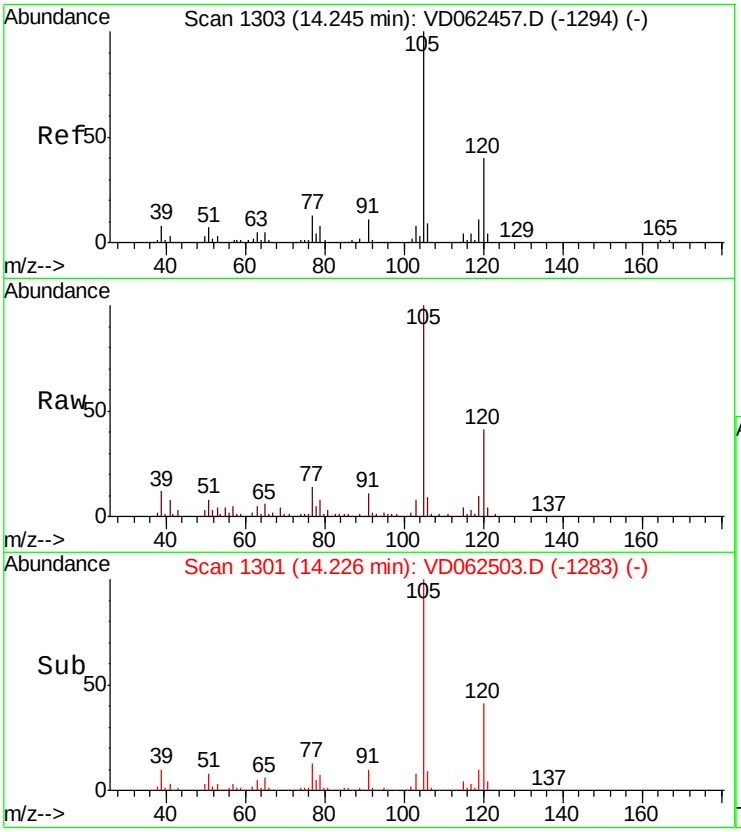


#81
trans-1,4-Dichloro-2-butene
Concen: 86.372 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 75 Resp: 61429

Ion	Ratio	Lower	Upper
75	100		
53	4.6	65.8	98.8#
89	0.0	35.0	52.6#



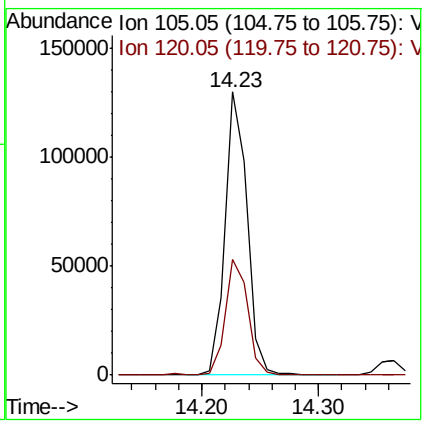


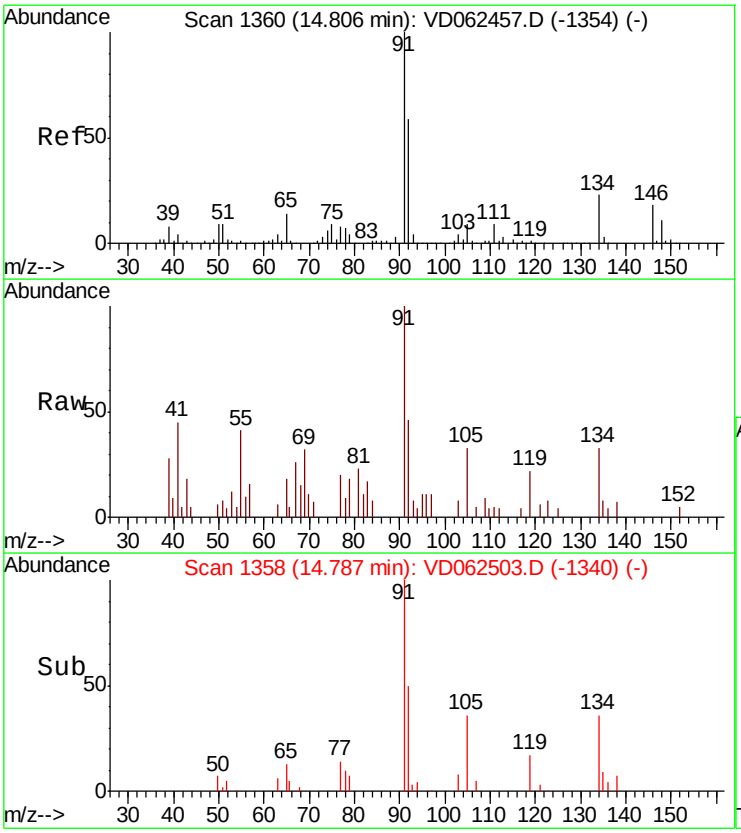
#84
1,2,4-Trimethylbenzene
Concen: 14.144 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion:105 Resp: 169353

Ion	Ratio	Lower	Upper
105	100		
120	40.7	23.1	69.2

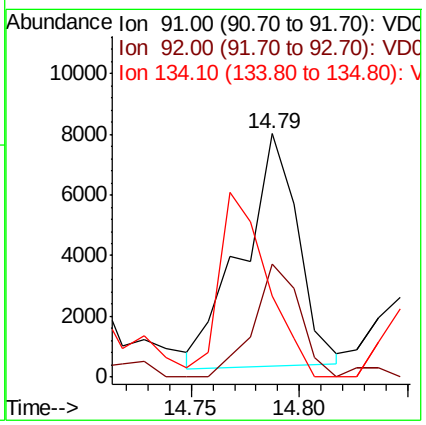


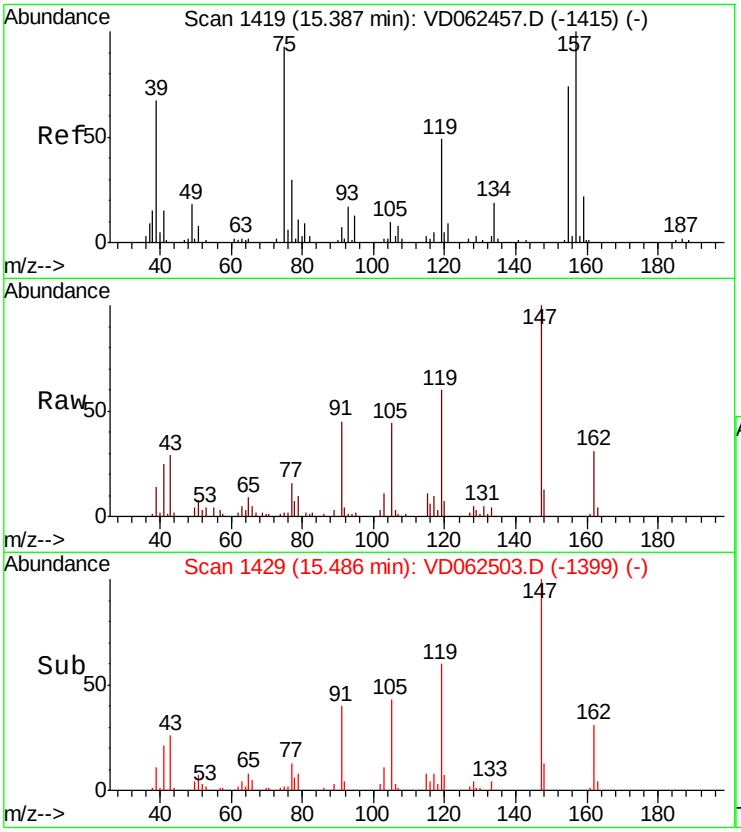


#89
n-Butylbenzene
Concen: 1.162 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion: 91 Resp: 13729

Ion	Ratio	Lower	Upper
91	100		
92	46.5	30.3	91.0
134	33.1	14.5	43.6



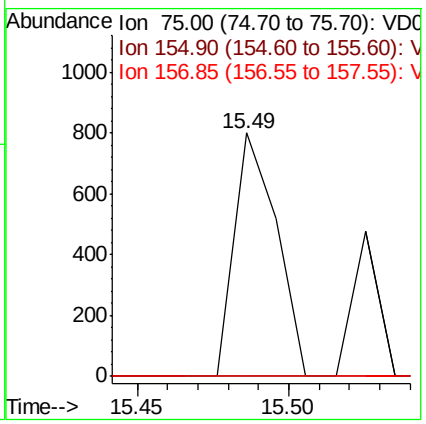


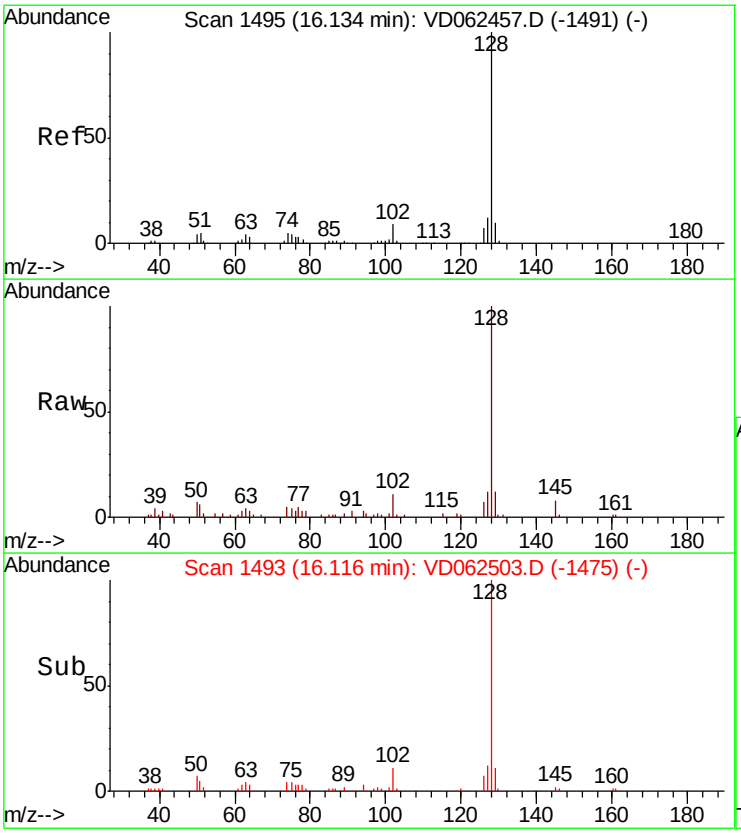
#92
1,2-Dibromo-3-Chloropropane
Concen: 1.690 ug/l
RT: 15.49 min Scan# 1429
Delta R.T. 0.10 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)

Tgt Ion: 75 Resp: 781

Ion	Ratio	Lower	Upper
75	100		
155	0.0	55.3	165.8#
157	0.0	67.8	203.2#





#95
Naphthalene
Concen: 7.154 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VD062503.D
Acq: 22 May 2019 15:27

Tgt Ion:128 Resp: 44246

Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.8	14.8
129	13.6	8.8	13.2#