Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111119\
Data File : VD064189.D
Acq On : 11 Nov 2019 20:37
Operator : VA/SY
Sample : K5786-02
Misc : 4.89G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId :

Quant Time: Nov 12 02:51:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.98	168	504416	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.87	114	874526	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.65	117	901808	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	489168	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.33	65	292115	70.41	ug/l		0.00
Spiked Amount 50.000			Recovery = 140.82%				
35) Dibromofluoromethane	7.92	113	280541	55.89	ug/l		0.00
Spiked Amount 50.000			Recovery = 111.78%				
50) Toluene-d8	10.34	98	1064457	56.21	ug/l		0.00
Spiked Amount 50.000			Recovery = 112.42%				
62) 4-Bromofluorobenzene	12.64	95	434091	66.19	ug/l		0.00
Spiked Amount 50.000			Recovery = 132.38%				
Target Compounds							Qvalue
10) Methyl Iodide	4.29	142	991	2.219	ug/l	#	81
11) Tert butyl alcohol	5.24	59	20454	70.590	ug/l		94
13) Acrolein	3.92	56	451	1.840	ug/l	#	15
16) Acetone	4.17	43	417126	424.431	ug/l		99
18) Methyl Acetate	4.72	43	9161	3.337	ug/l	#	74
20) Methylene Chloride	4.97	84	12084	2.434	ug/l	#	74
25) 2-Butanone	7.23	43	6196	4.880	ug/l	#	85
31) Cyclohexane	7.99	56	9760	1.199	ug/l	#	1
36) 1,1-Dichloropropene	7.98	75	34843	4.317	ug/l	#	49
38) Carbon Tetrachloride	7.98	117	46394	5.372	ug/l	#	16
40) Benzene	8.35	78	25276	1.146	ug/l		99
49) 1,4-Dioxane	9.18	88	138	3.998	ug/l	#	1
52) Toluene	10.40	92	15602	1.076	ug/l		98
67) Ethyl Benzene	11.75	91	1306578	39.389	ug/l		99
68) m/p-Xylenes	11.86	106	204391	16.075	ug/l		99
69) o-Xylene	12.18	106	109469	9.283	ug/l		95
73) Isopropylbenzene	12.48	105	108434	3.020	ug/l		100
76) 1,2,3-Trichloropropane	12.64	75	229413	58.225	ug/l	#	100
79) 2-Chlorotoluene	12.89	91	80872	3.492	ug/l	#	40
80) 1,3,5-Trimethylbenzene	12.97	105	51612	1.749	ug/l		94
81) trans-1,4-Dichloro-2-buten	12.64	75	229413	115.658	ug/l	#	10
84) 1,2,4-Trimethylbenzene	13.27	105	139225	4.780	ug/l		100
85) sec-Butylbenzene	13.27	105	139225	3.985	ug/l	#	55
89) n-Butylbenzene	13.78	91	123542	4.117	ug/l	#	41
95) Naphthalene	15.41	128	678722	39.163	ug/l		99

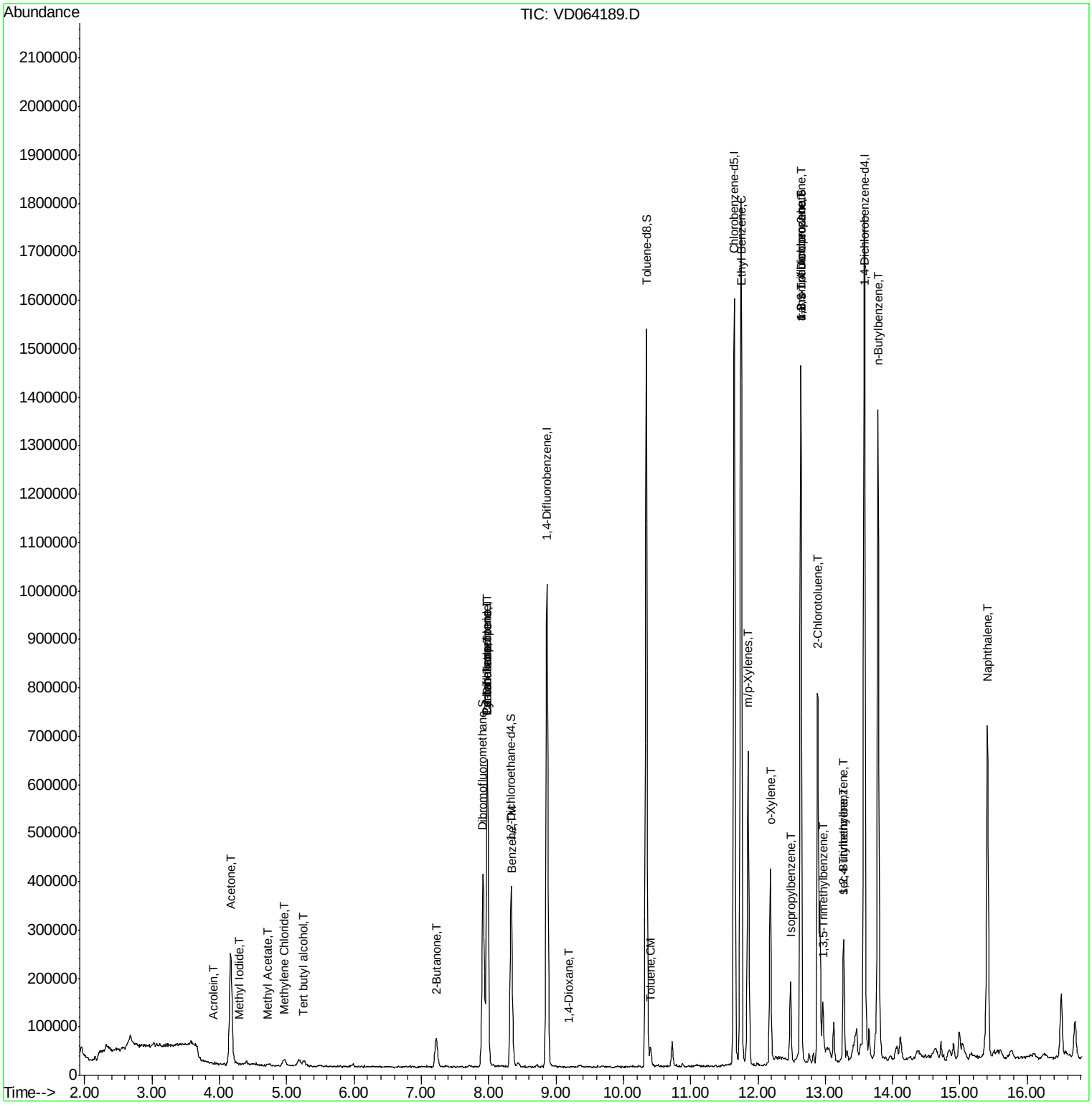
(#) = qualifier out of range (m) = manual integration (+) = signals summed

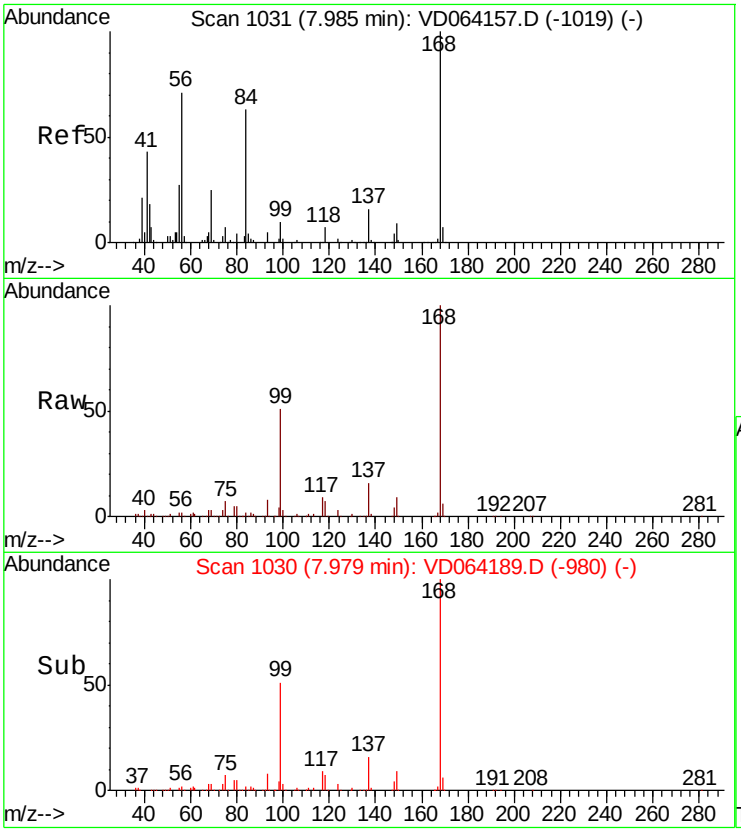
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
Data File : VD064189.D
Acq On : 11 Nov 2019 20:37
Operator : VA/SY
Sample : K5786-02
Misc : 4.89G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 12 02:51:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration



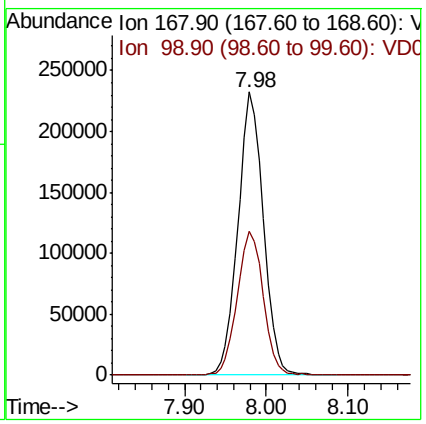


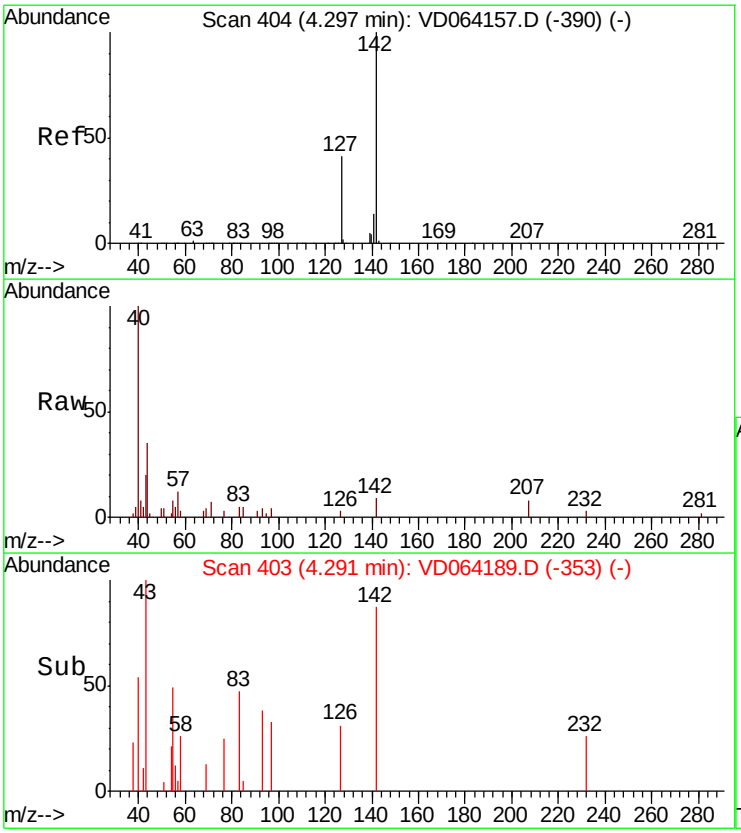
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 504416

Ion	Ratio	Lower	Upper
168	100		
99	50.8	41.6	62.4

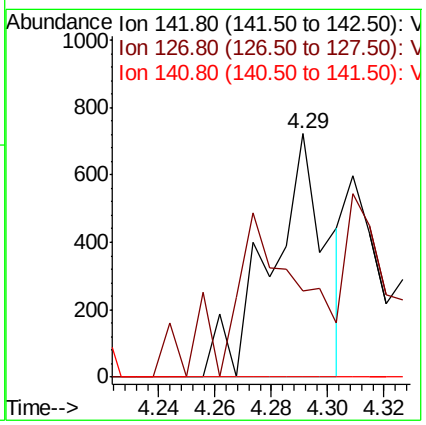


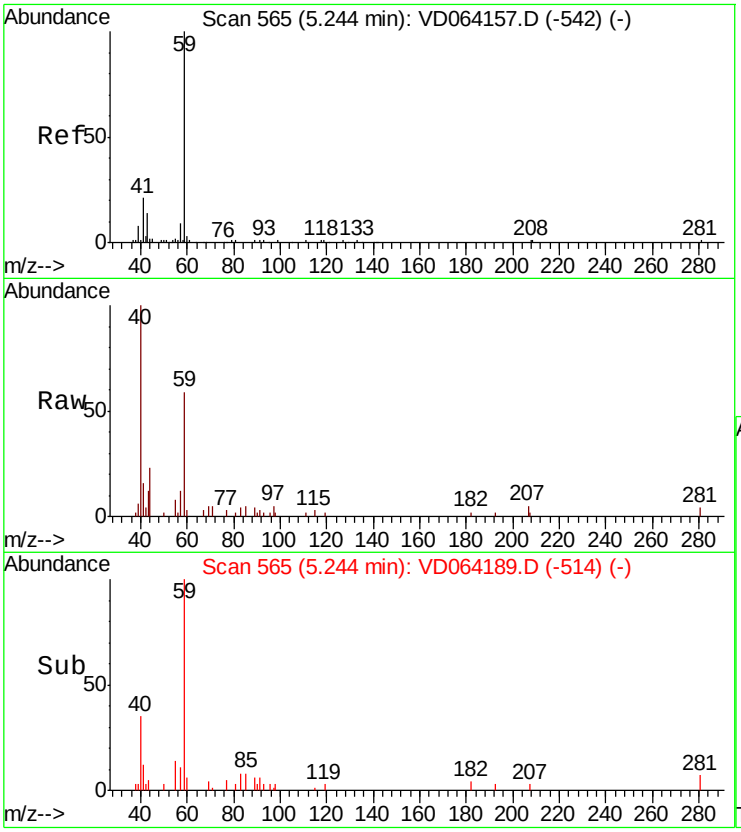


#10
Methyl Iodide
Concen: 2.219 ug/l
RT: 4.29 min Scan# 403
Delta R.T. -0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion:142 Resp: 991

Ion	Ratio	Lower	Upper
142	100		
127	52.3	34.4	51.6#
141	0.0	11.2	16.8#



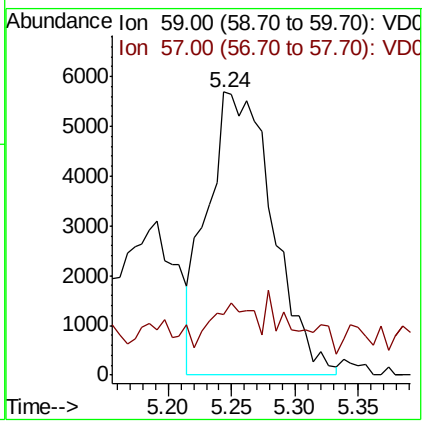


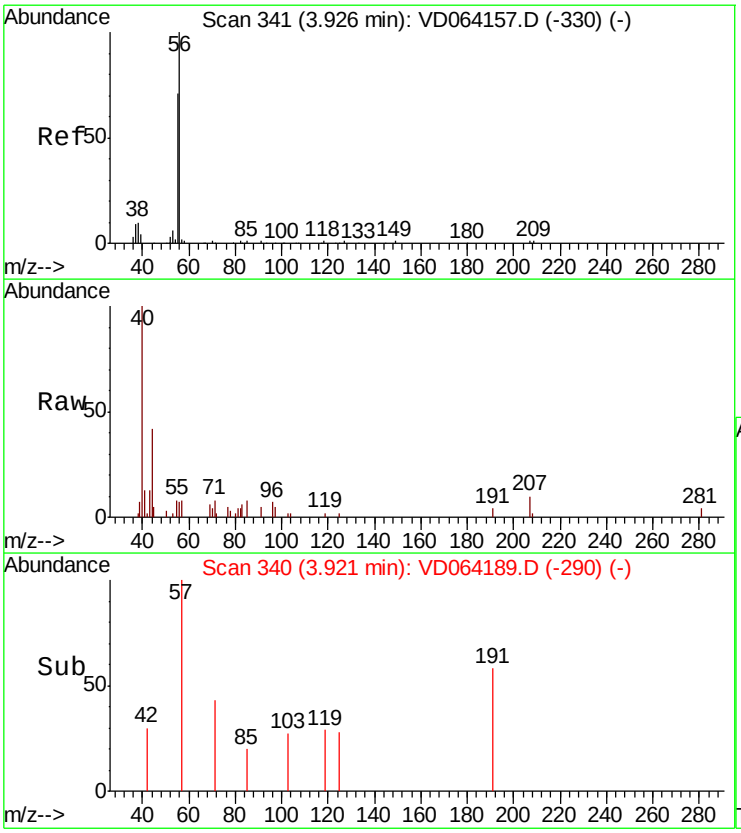
#11
Tert butyl alcohol
Concen: 70.590 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 59 Resp: 20454

Ion	Ratio	Lower	Upper
59	100		
57	9.5	9.4	14.2

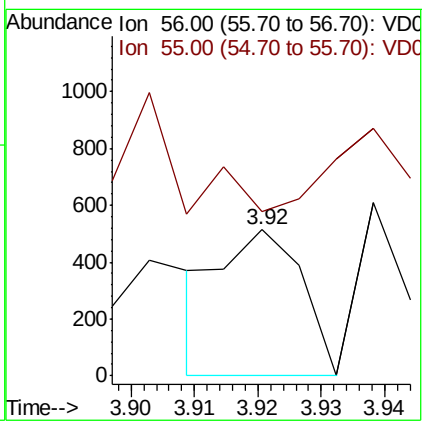


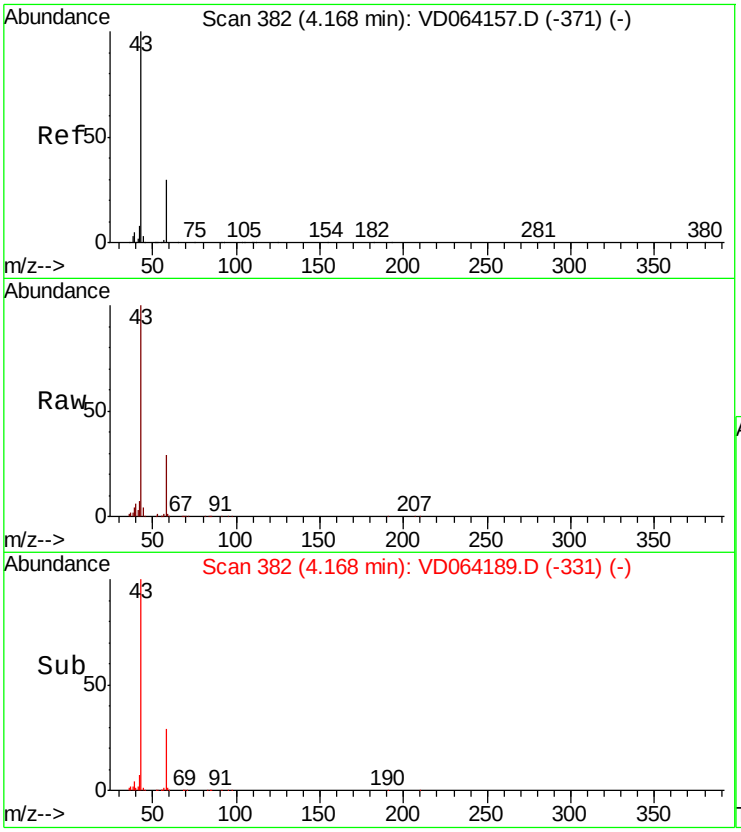


#13
Acrolein
Concen: 1.840 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 56 Resp: 451

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.1	84.1#



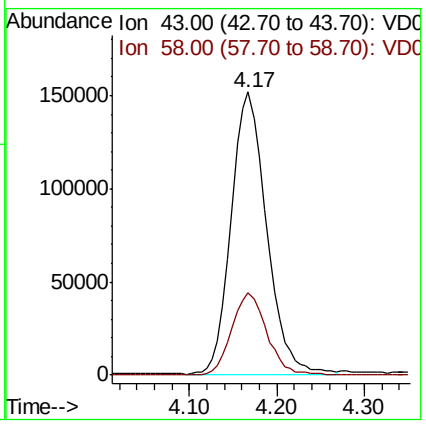


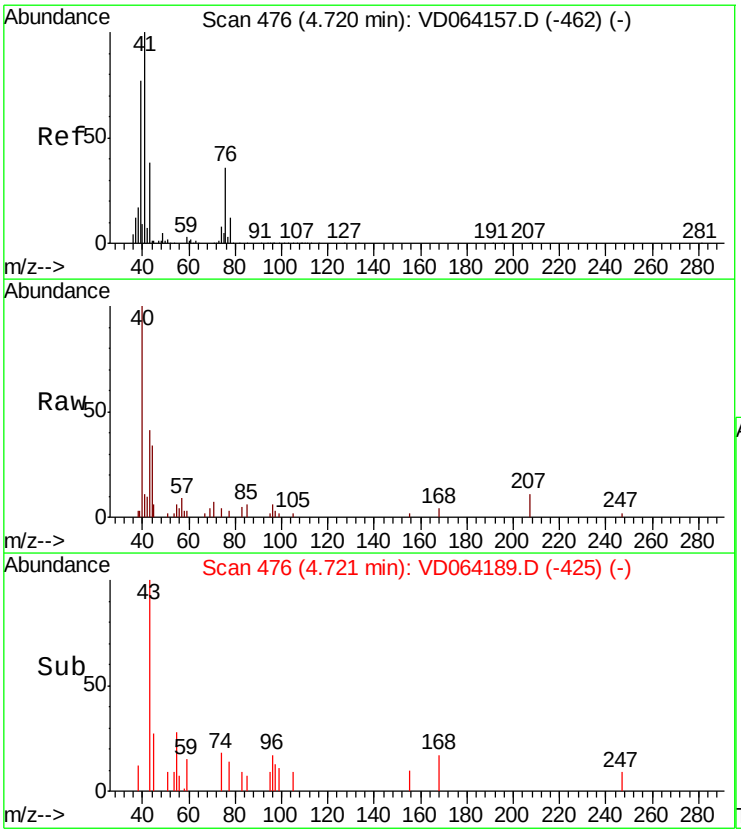
#16
Acetone
Concen: 424.431 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 417126

Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.1	36.1

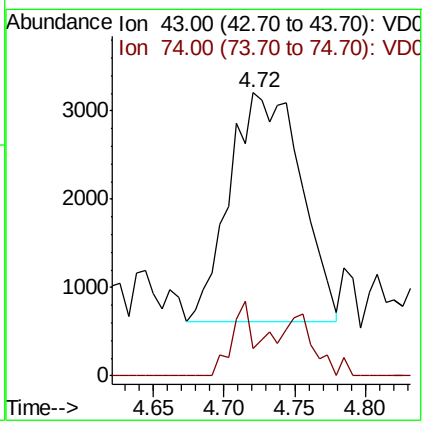


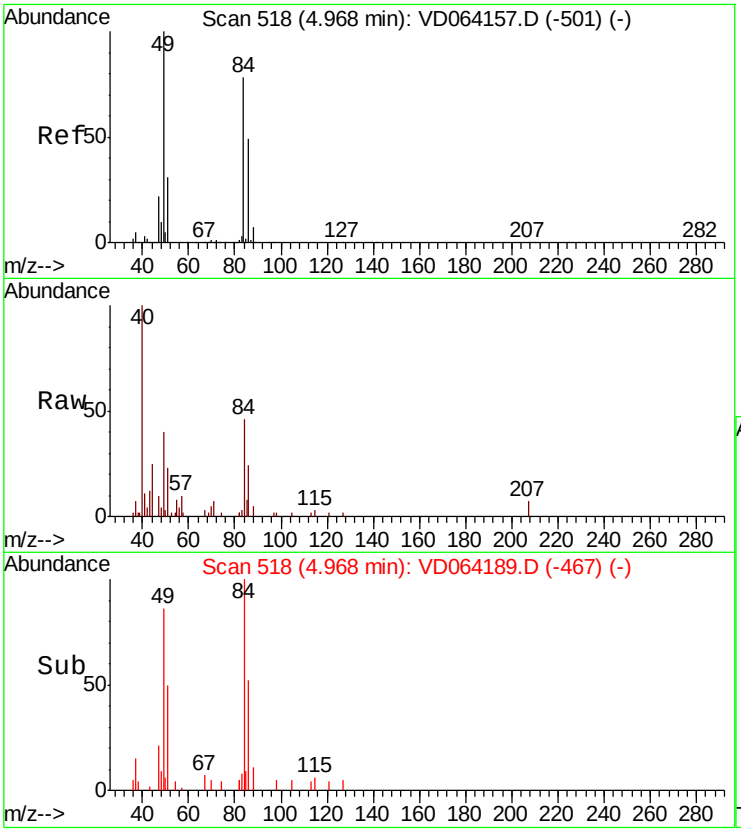


#18
Methyl Acetate
Concen: 3.337 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 43 Resp: 9161

Ion	Ratio	Lower	Upper
43	100		
74	10.3	18.4	27.6#



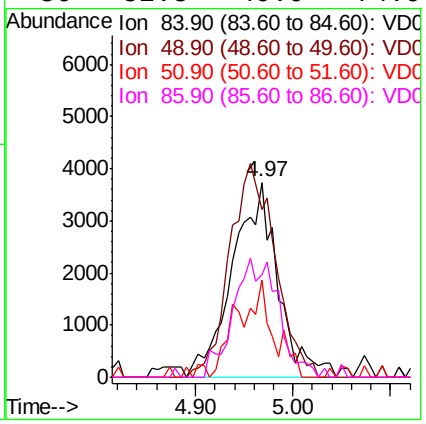


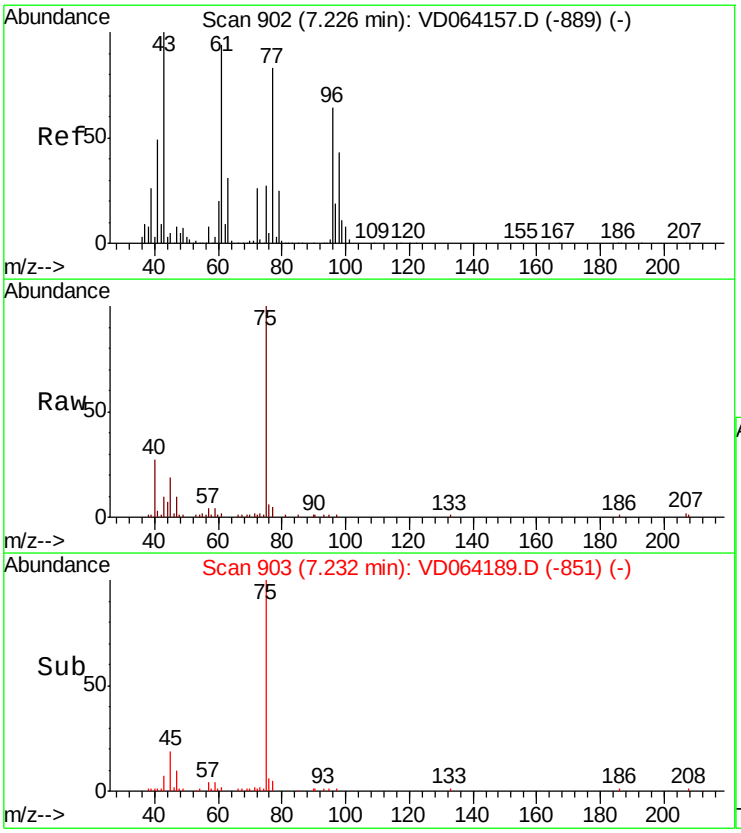
#20
Methylene Chloride
Concen: 2.434 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 84 Resp: 12084

Ion	Ratio	Lower	Upper
84	100		
49	86.3	102.1	153.1#
51	50.1	32.2	48.2#
86	52.3	49.9	74.9

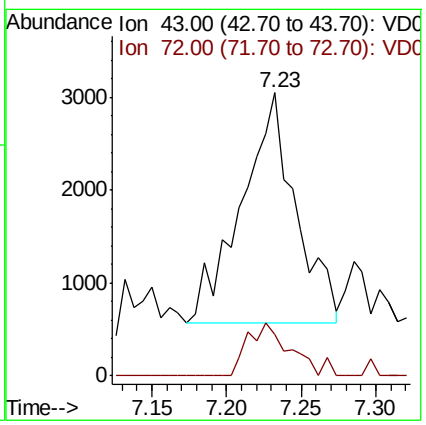


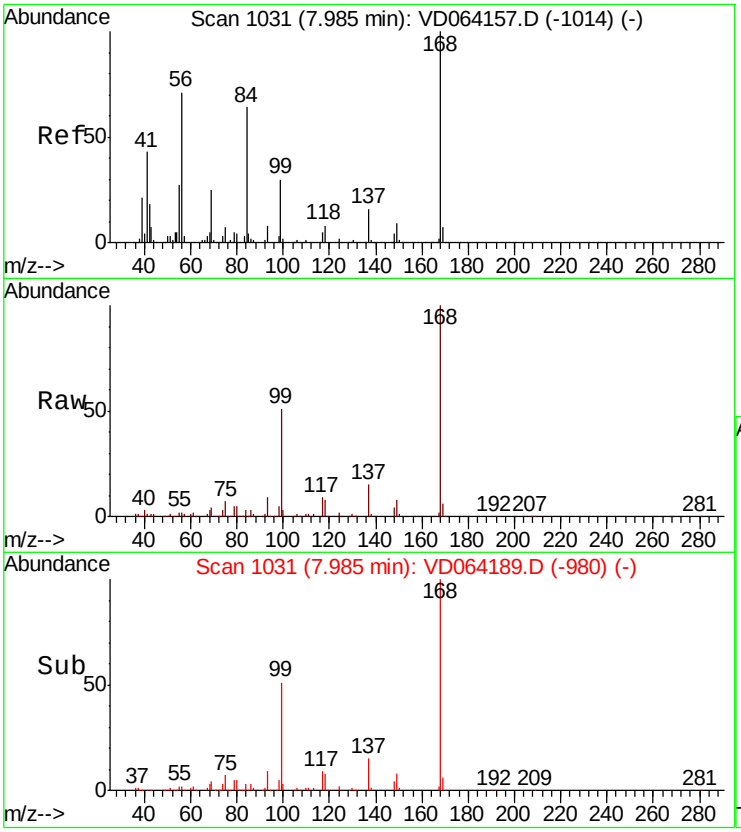


#25
2-Butanone
Concen: 4.880 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 43 Resp: 6196

Ion	Ratio	Lower	Upper
43	100		
72	18.1	20.6	30.8#



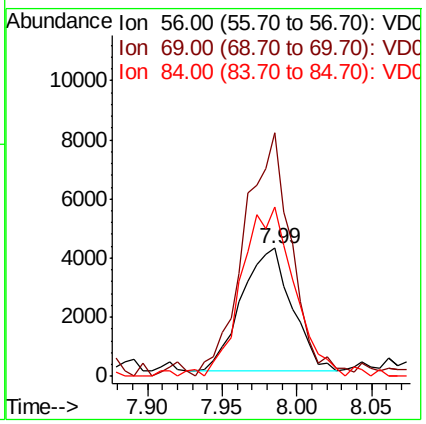


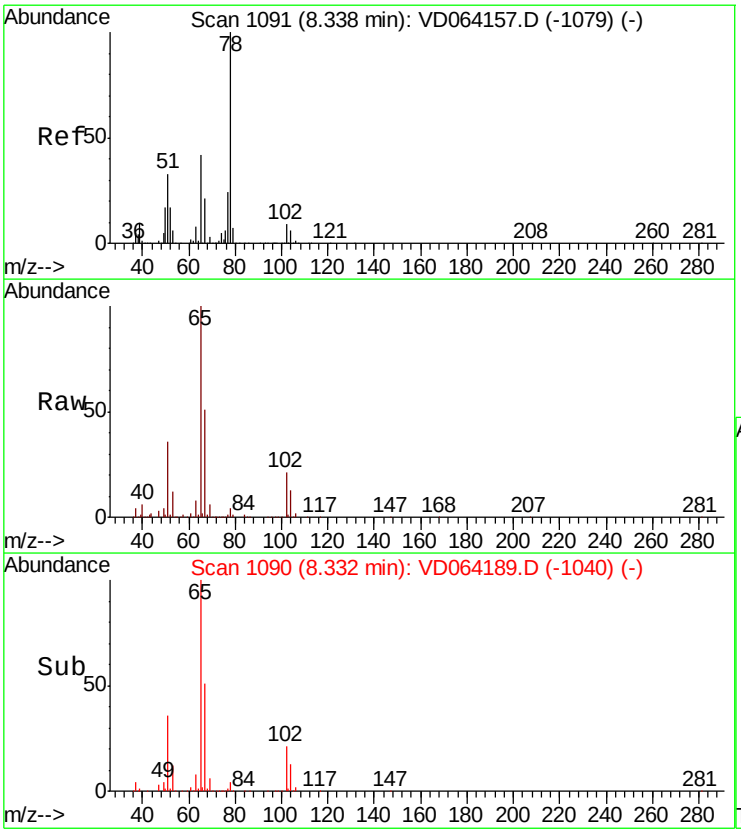
#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 9760

Ion	Ratio	Lower	Upper
56	100		
69	193.6	28.2	42.4#
84	137.1	71.8	107.6#

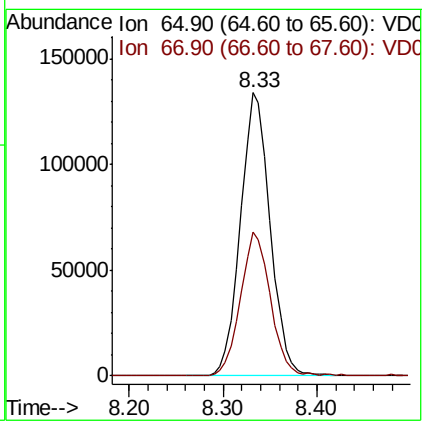


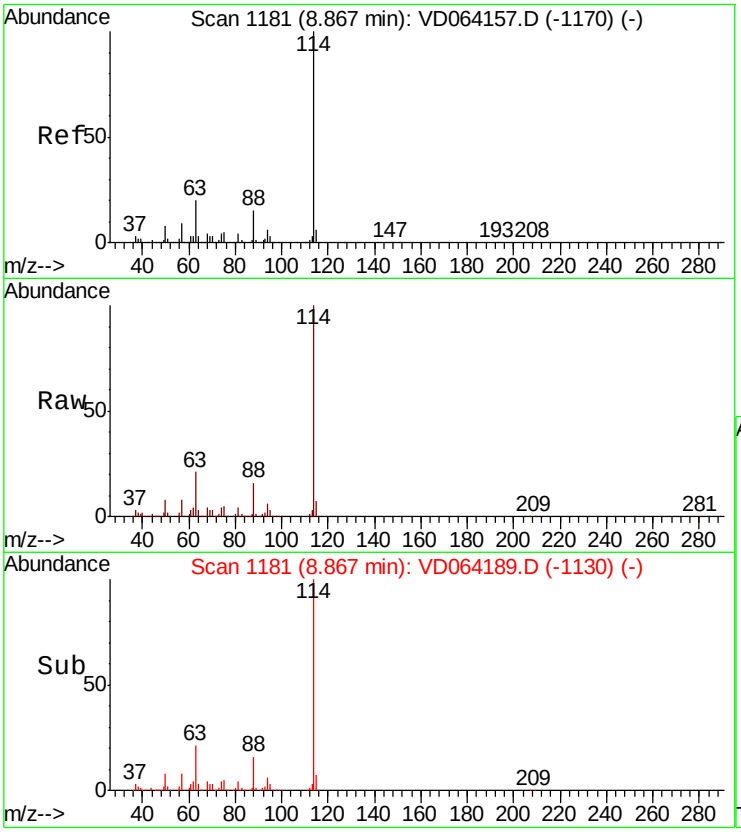


#33
1,2-Dichloroethane-d4
Concen: 70.414 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 65 Resp: 292115

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.4



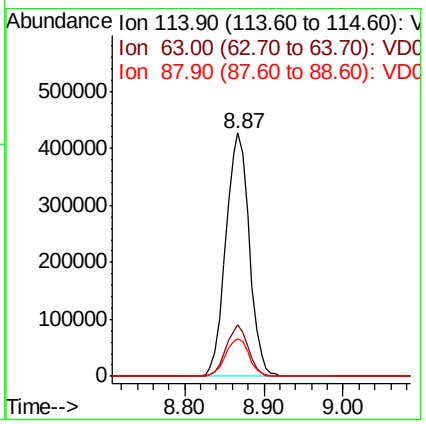


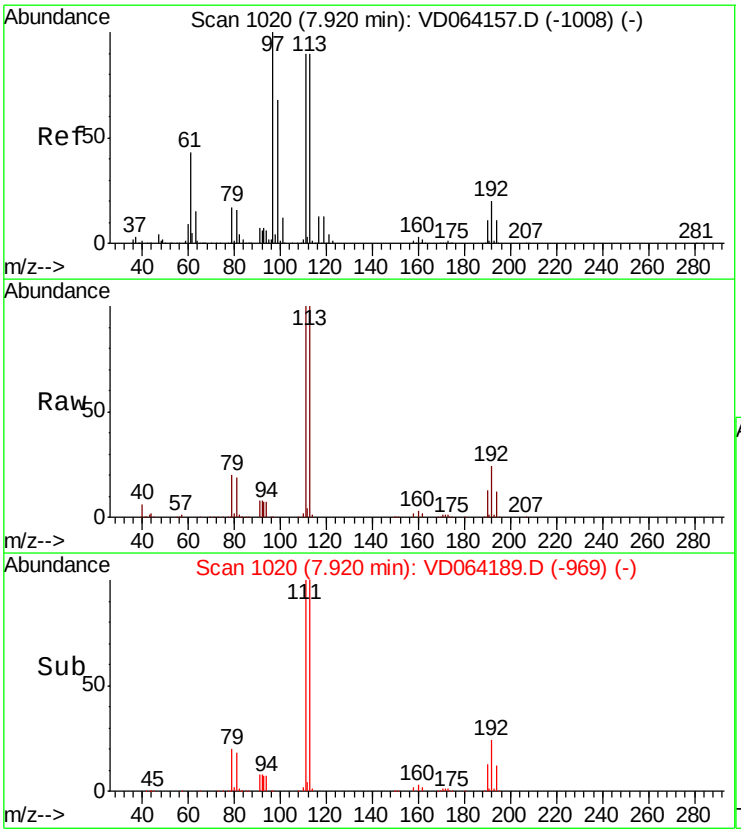
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion:114 Resp: 874526

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.0
88	15.5	0.0	30.2

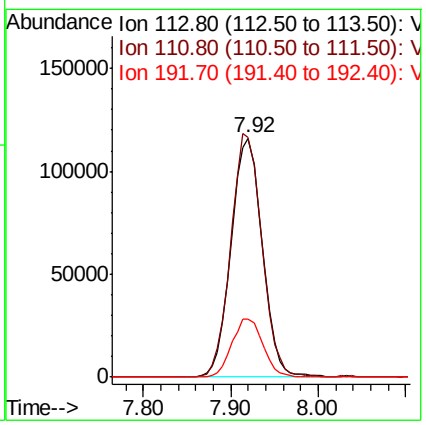


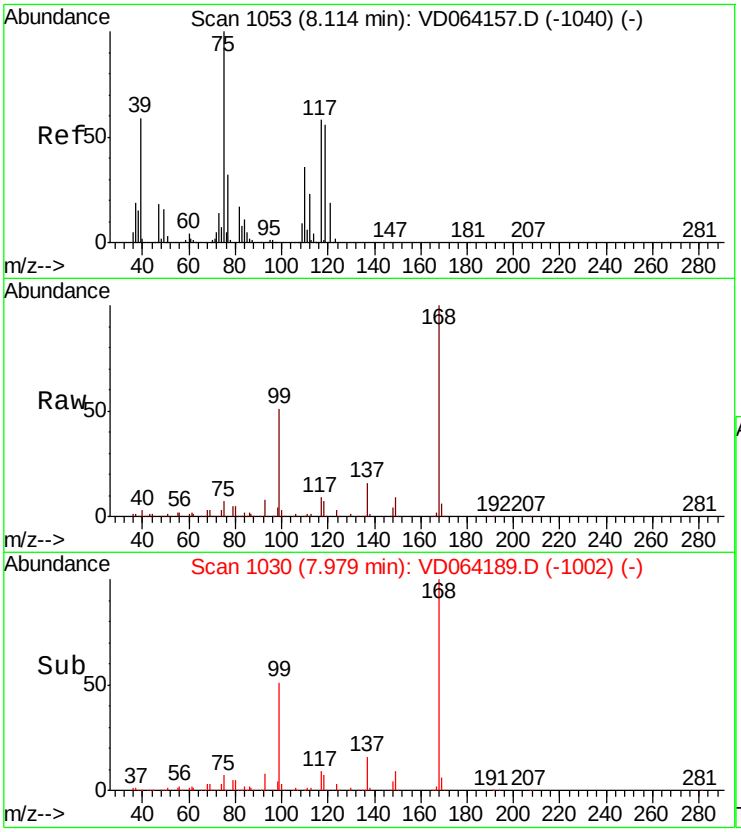


#35
Dibromofluoromethane
Concen: 55.886 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion:113 Resp: 280541

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.5	122.3
192	24.4	18.8	28.2



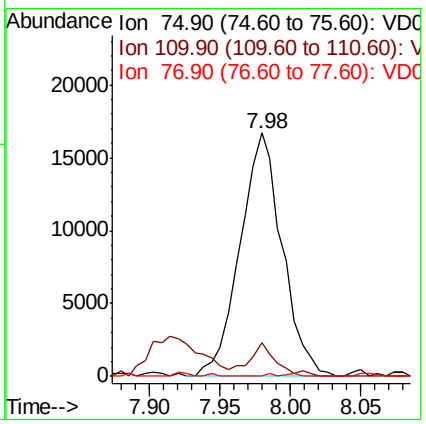


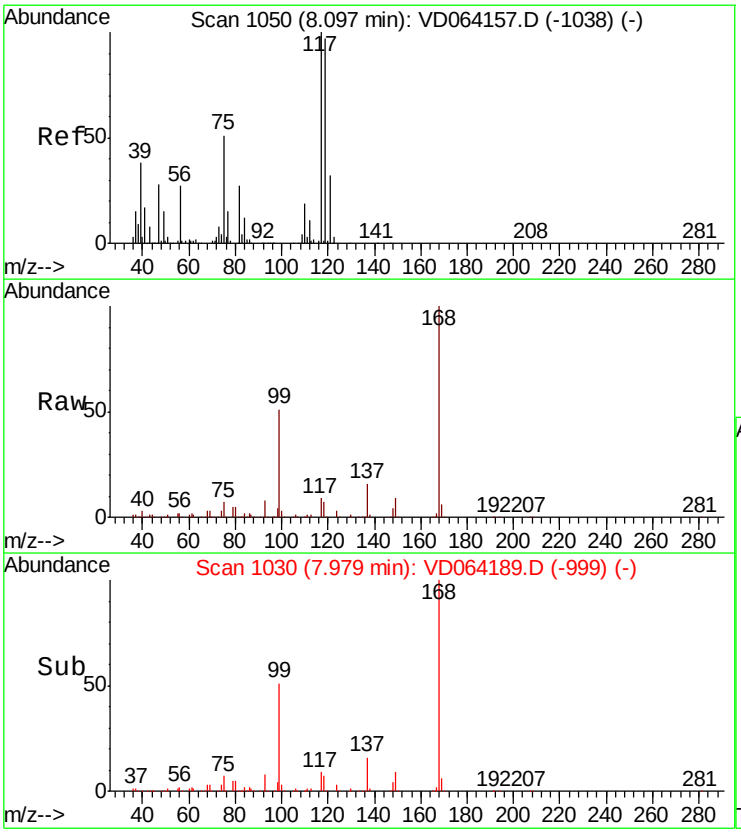
#36
1,1-Dichloropropene
Concen: 4.317 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 34843

Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.3	54.9#
77	0.0	25.0	37.6#

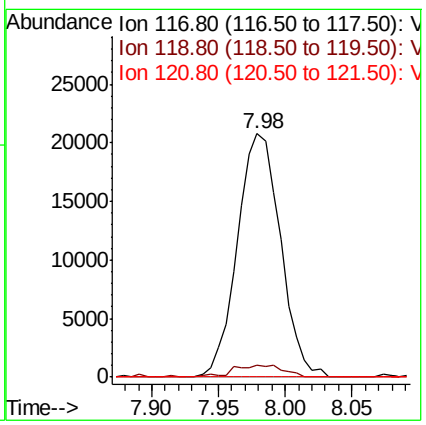


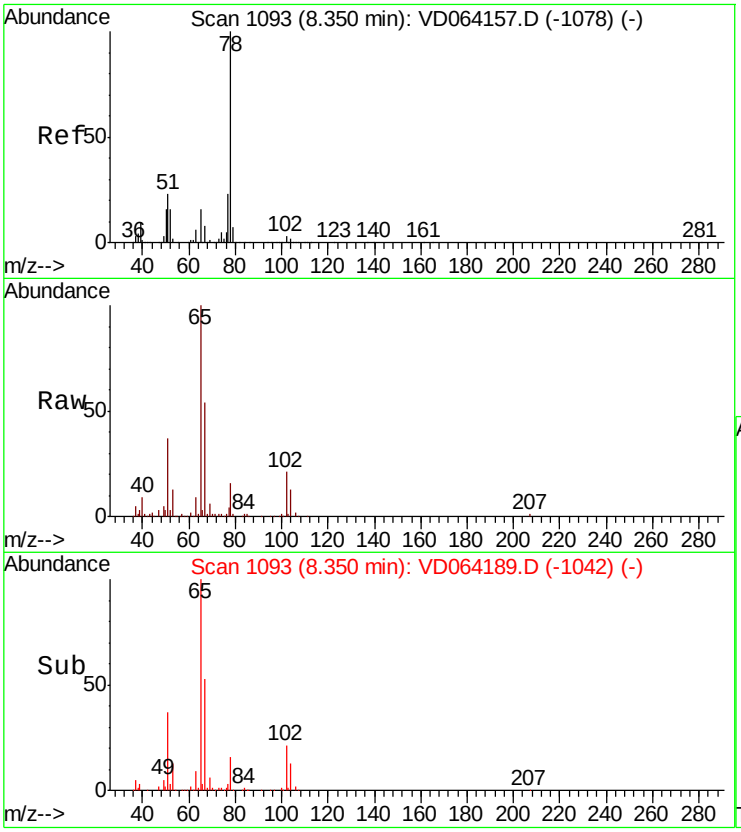


#38
Carbon Tetrachloride
Concen: 5.372 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion:117 Resp: 46394

Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.2	115.8#
121	0.0	25.5	38.3#



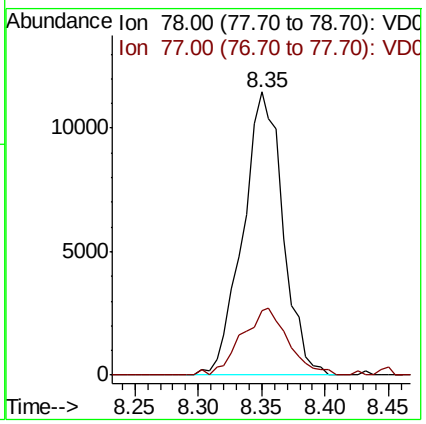


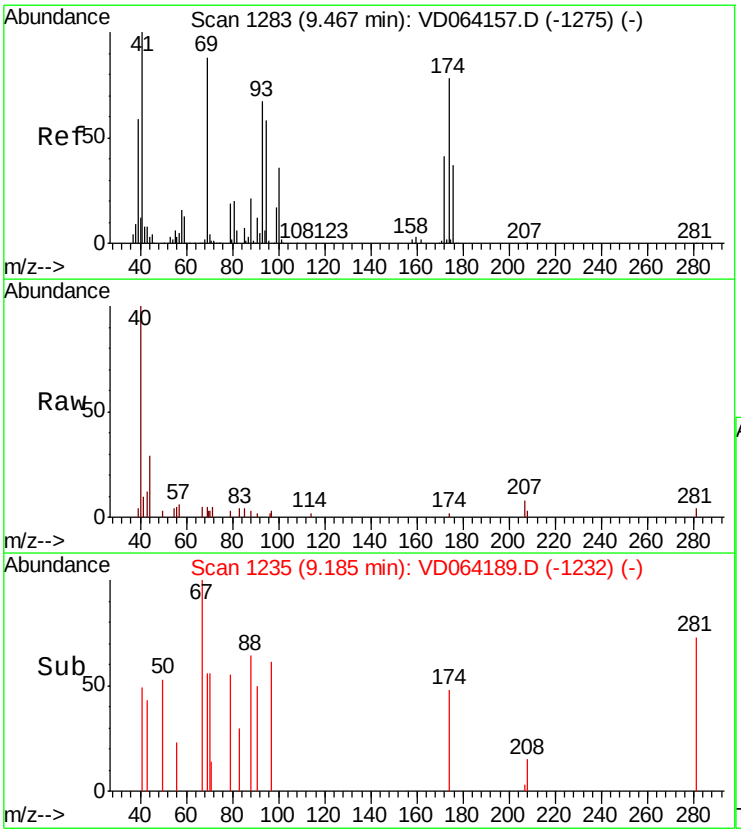
#40
Benzene
Concen: 1.146 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 78 Resp: 25276

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.6	28.0

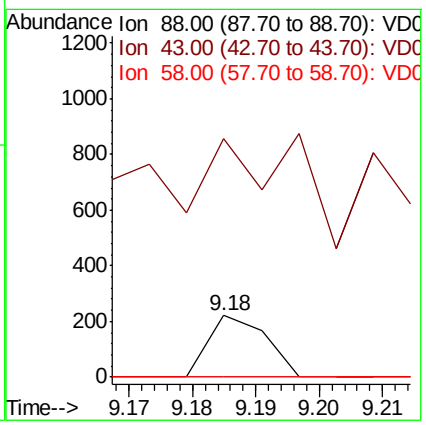


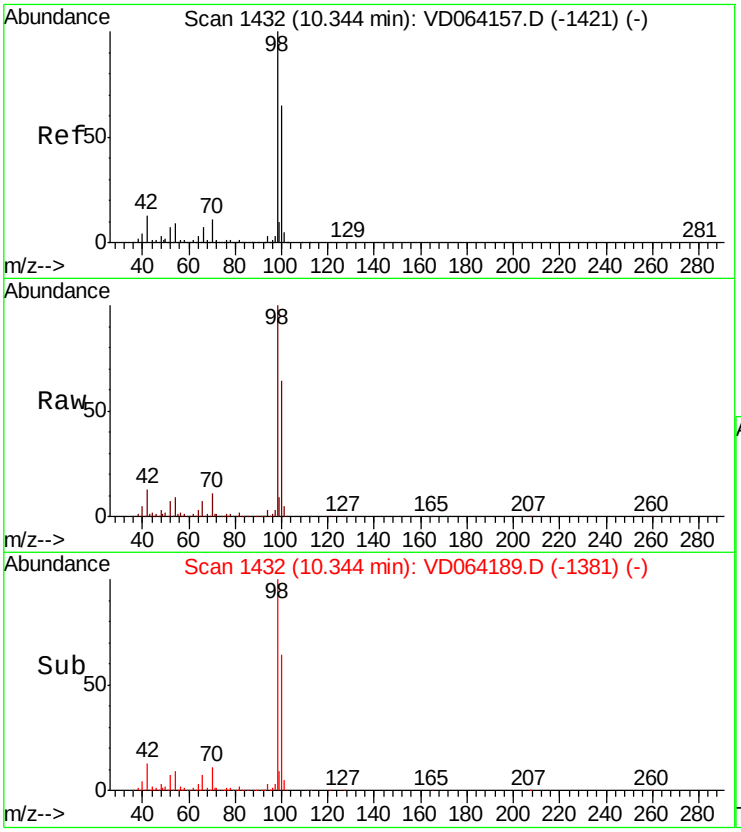


#49
1,4-Dioxane
Concen: 3.998 ug/l
RT: 9.18 min Scan# 1235
Delta R.T. -0.28 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 88 Resp: 138

Ion	Ratio	Lower	Upper
88	100		
43	262.3	29.8	44.8#
58	0.0	58.1	87.1#



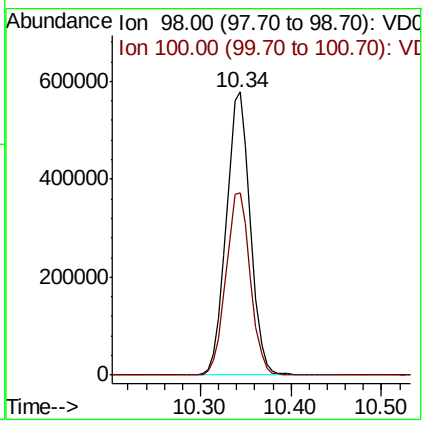


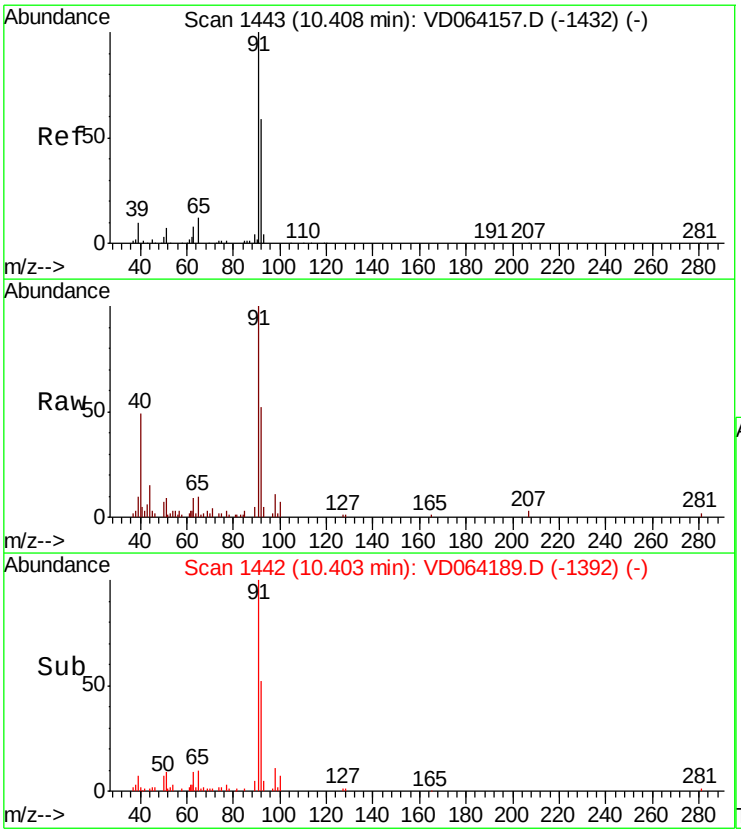
#50
Toluene-d8
Concen: 56.210 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 98 Resp: 1064457

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8

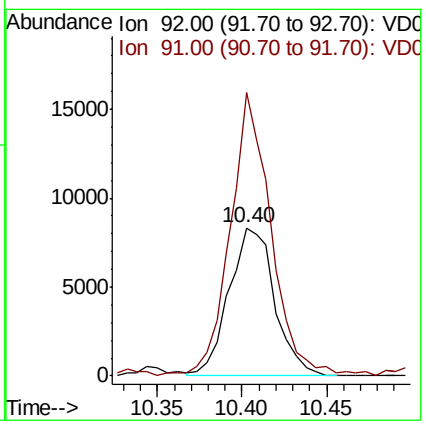


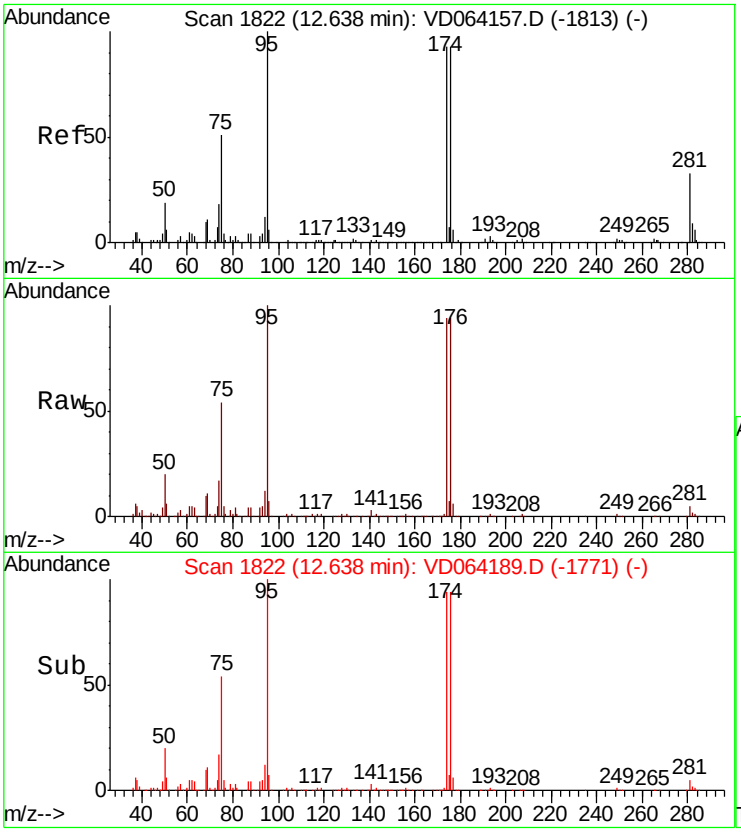


#52
Toluene
Concen: 1.076 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 92 Resp: 15602

Ion	Ratio	Lower	Upper
92	100		
91	172.9	136.4	204.6



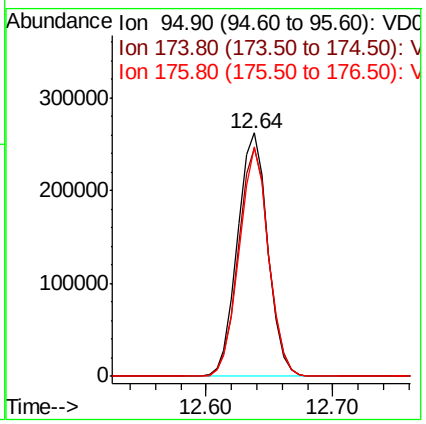


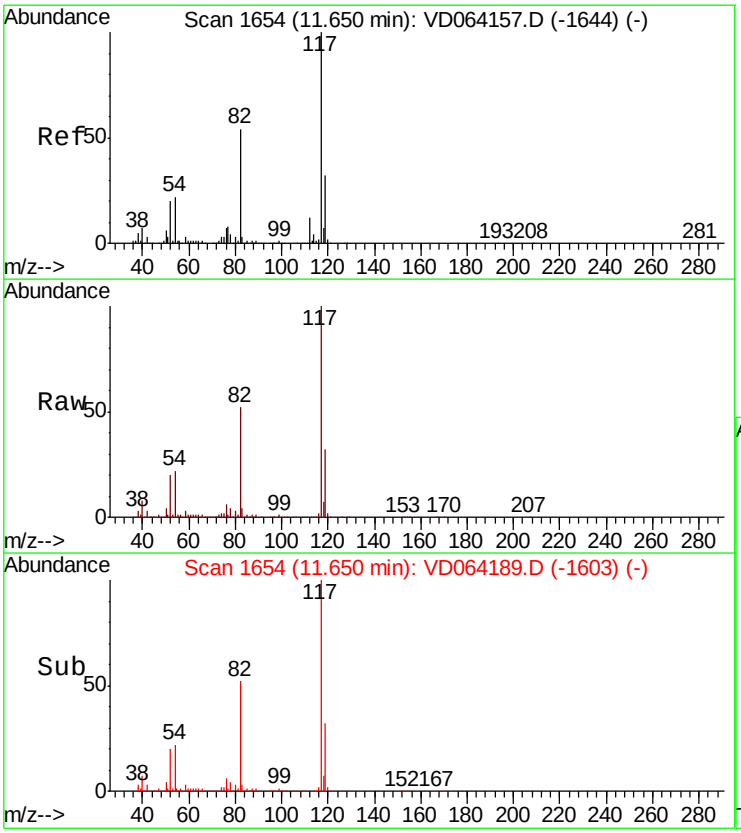
#62
4-Bromofluorobenzene
Concen: 66.191 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 95 Resp: 434091

Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	183.6
176	91.2	0.0	180.2

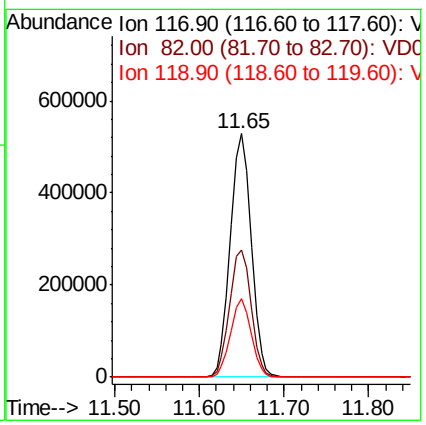


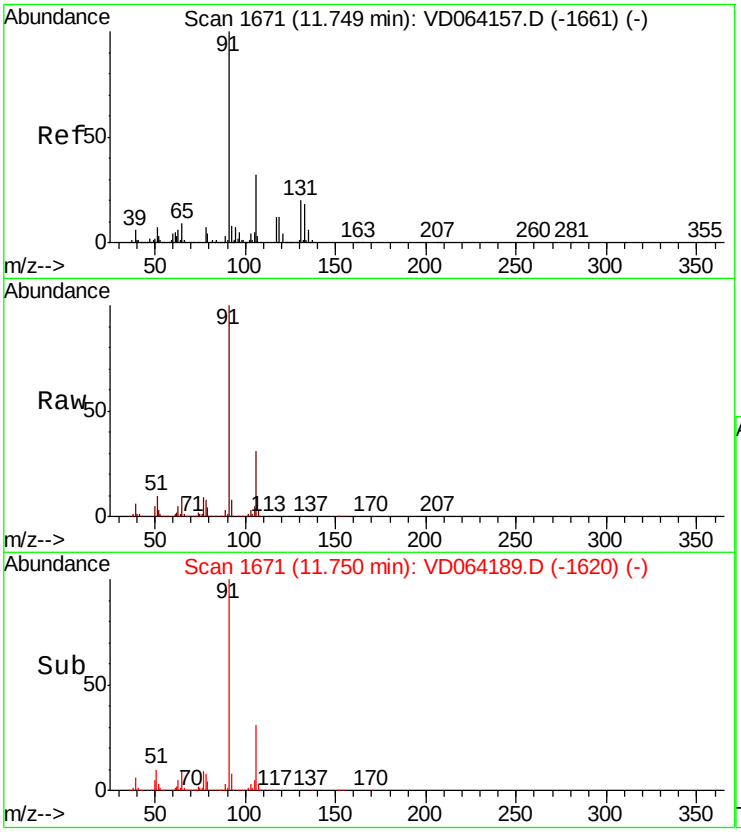


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion:117 Resp: 901808

Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.8	64.2
119	32.0	25.6	38.4



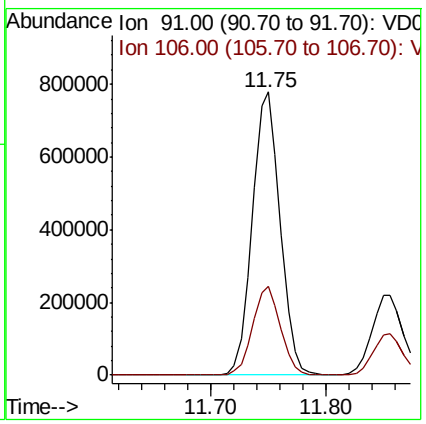


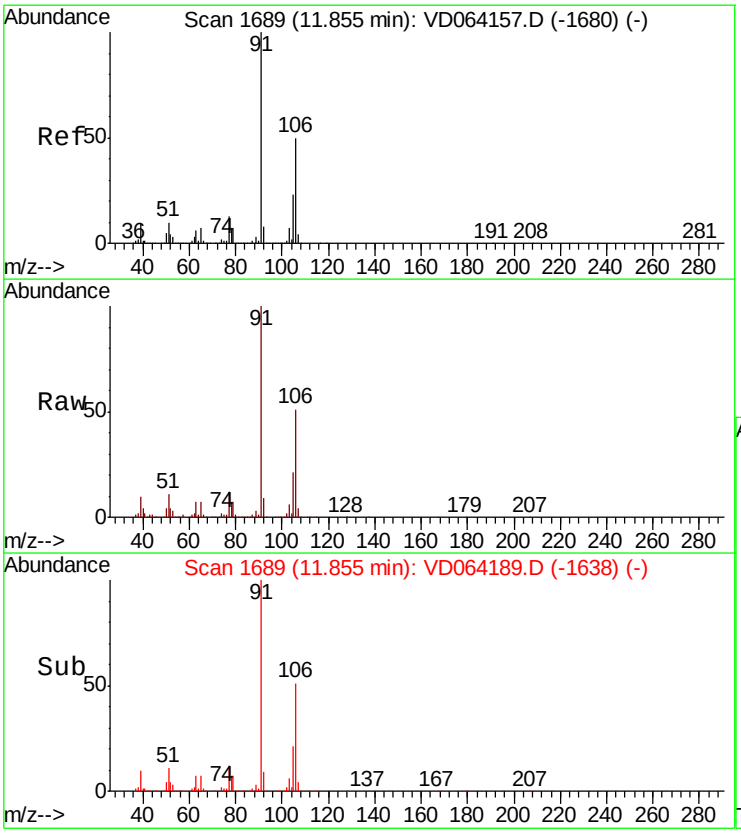
#67
Ethyl Benzene
Concen: 39.389 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 1306578

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.5	38.3

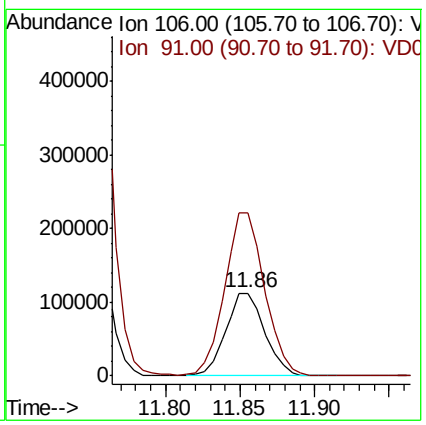


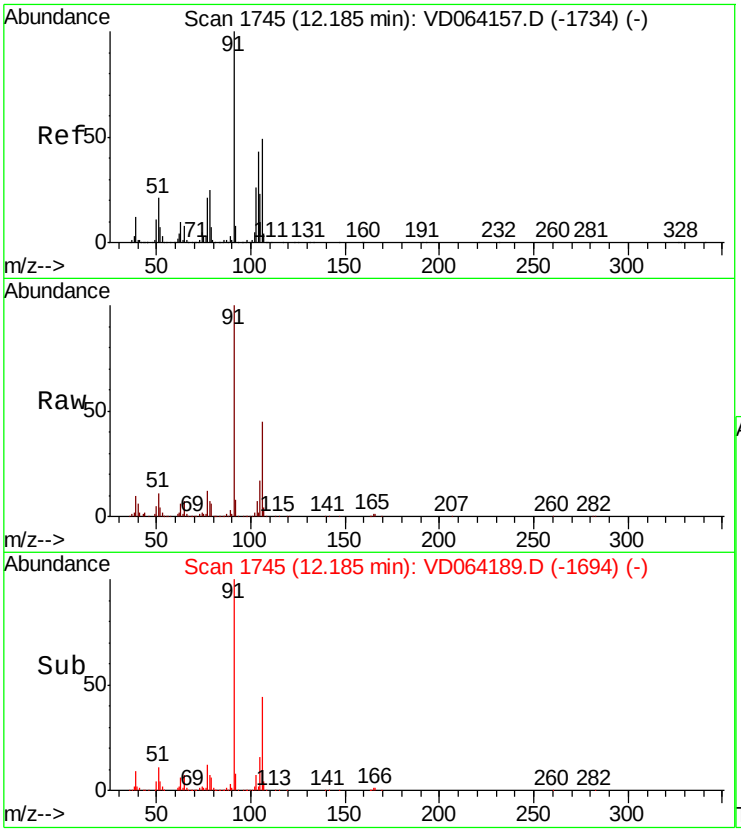


#68
m/p-Xylenes
Concen: 16.075 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion:106 Resp: 204391

Ion	Ratio	Lower	Upper
106	100		
91	201.7	160.3	240.5



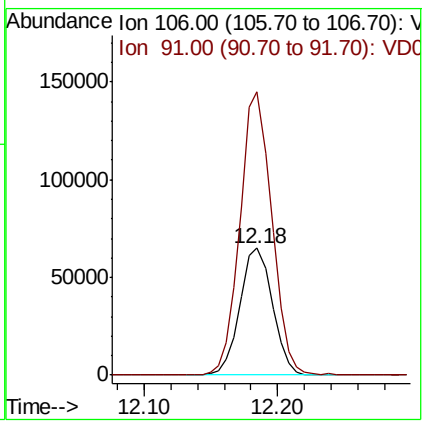


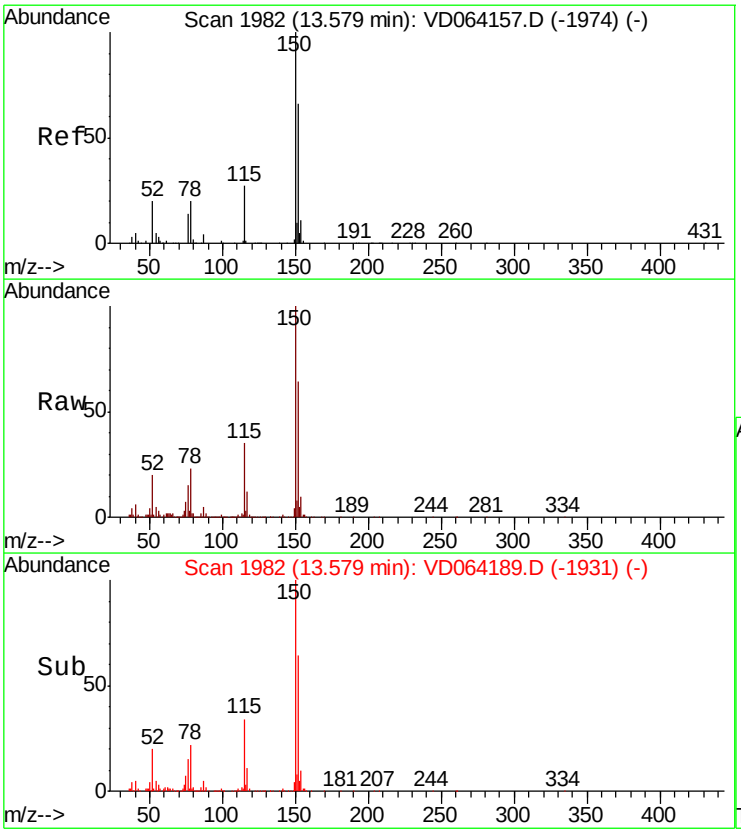
#69
o-Xylene
Concen: 9.283 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:106 Resp: 109469

Ion	Ratio	Lower	Upper
106	100		
91	218.1	105.1	315.3

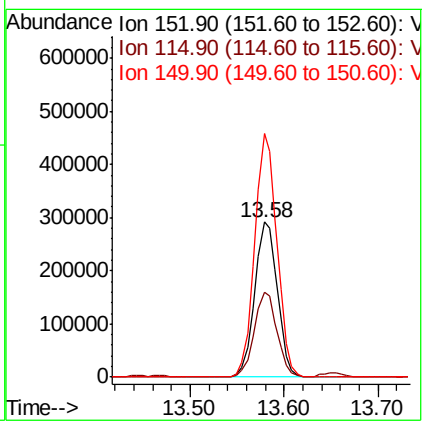


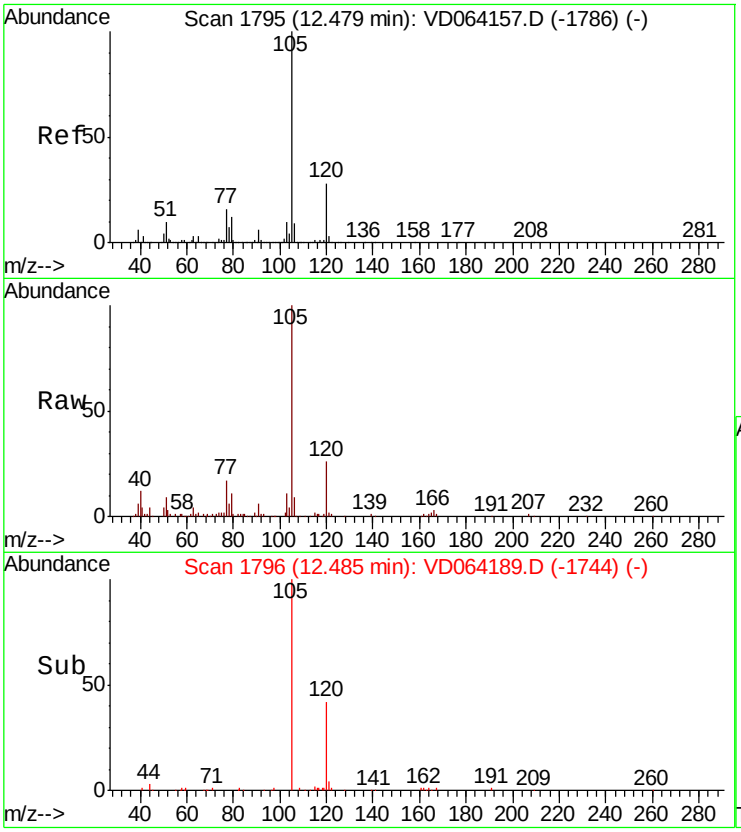


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion:152 Resp: 489168

Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.4	82.2
150	152.7	0.0	351.6



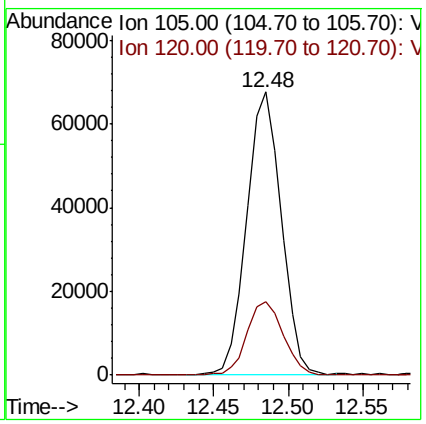


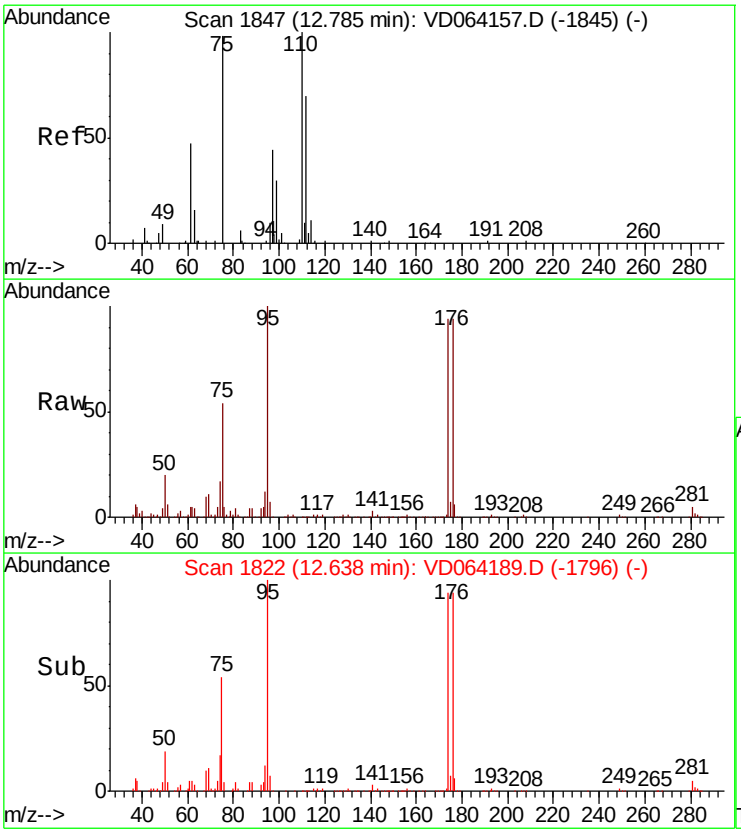
#73
Isopropylbenzene
Concen: 3.020 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 108434

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.8

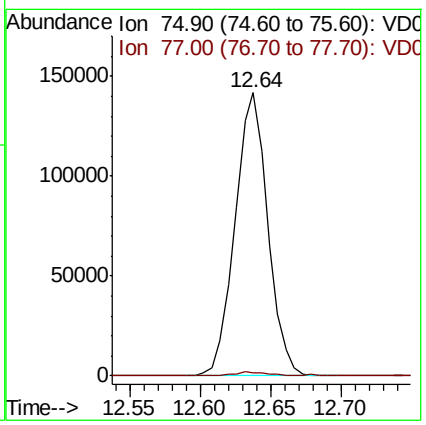


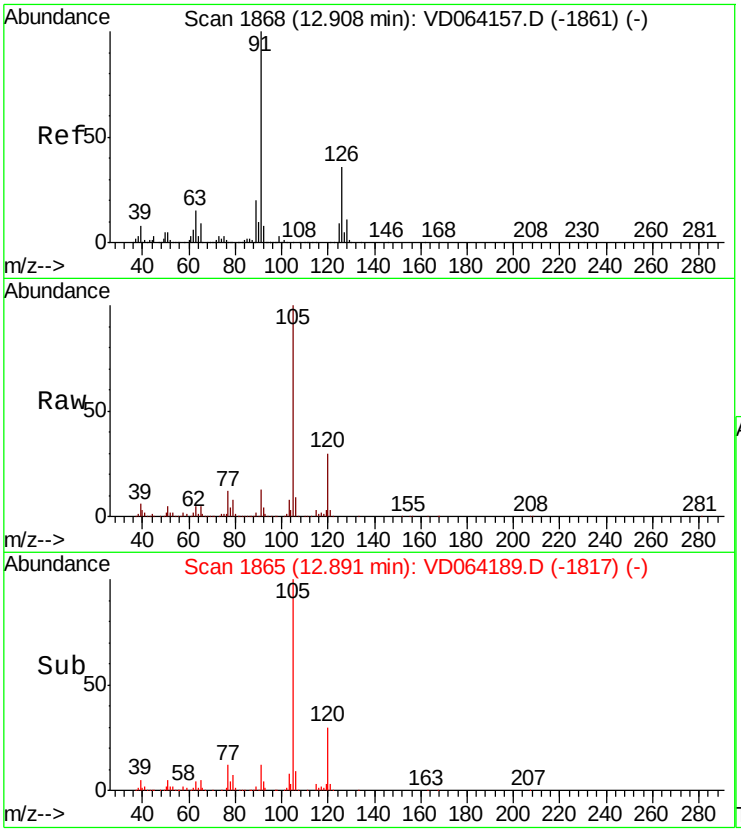


#76
1,2,3-Trichloropropane
Concen: 58.225 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 75 Resp: 229413

Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#



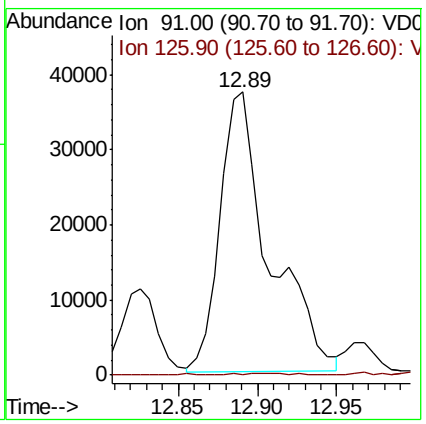


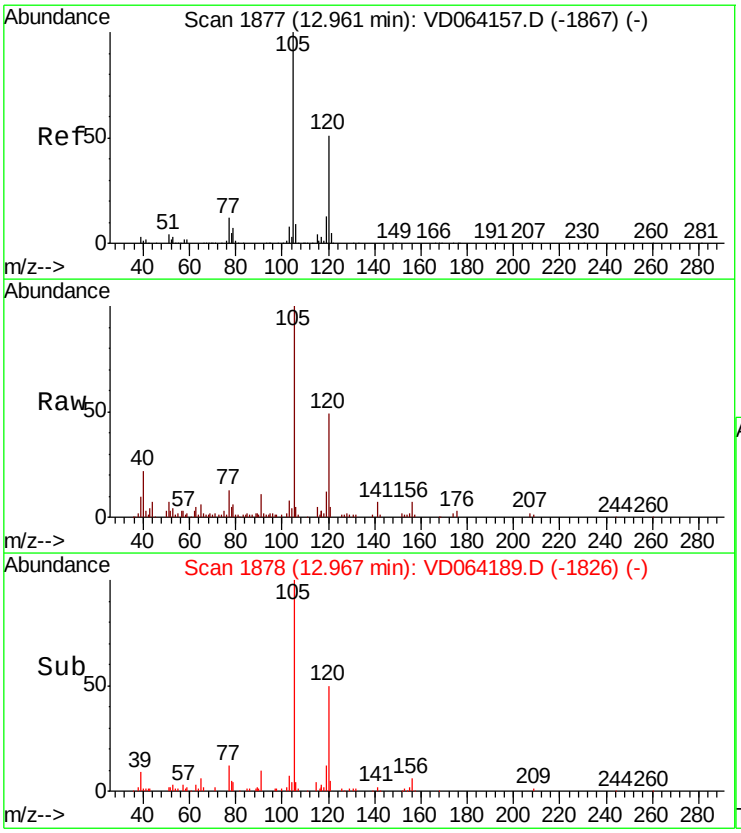
#79
2-Chlorotoluene
Concen: 3.492 ug/l
RT: 12.89 min Scan# 1865
Delta R.T. -0.02 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 80872

Ion	Ratio	Lower	Upper
91	100		
126	0.6	17.7	53.1#

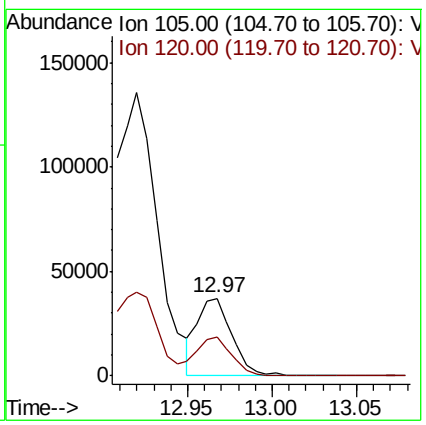


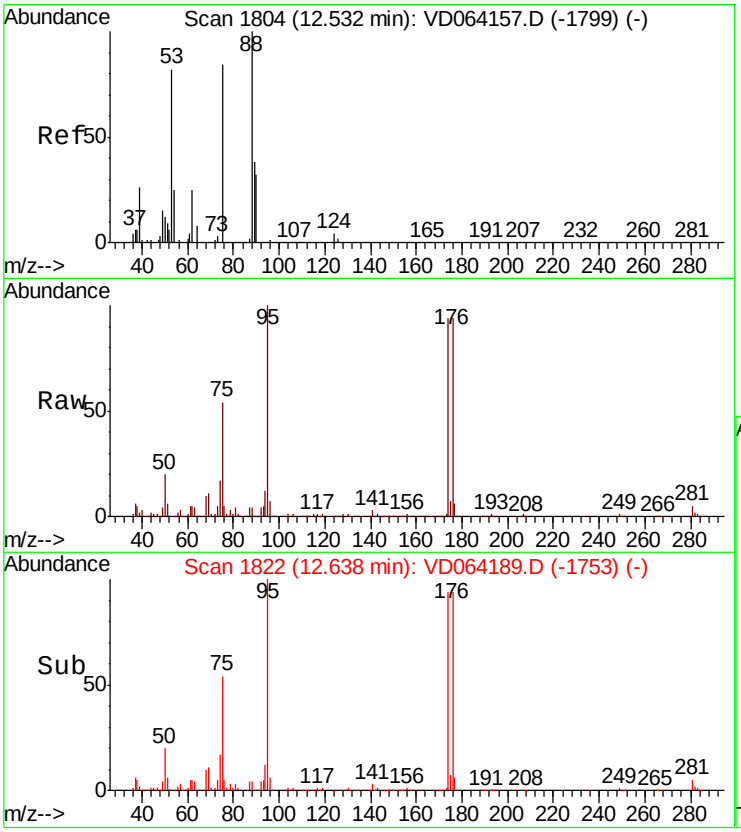


#80
1,3,5-Trimethylbenzene
Concen: 1.749 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion:105 Resp: 51612

Ion	Ratio	Lower	Upper
105	100		
120	55.0	25.4	76.4



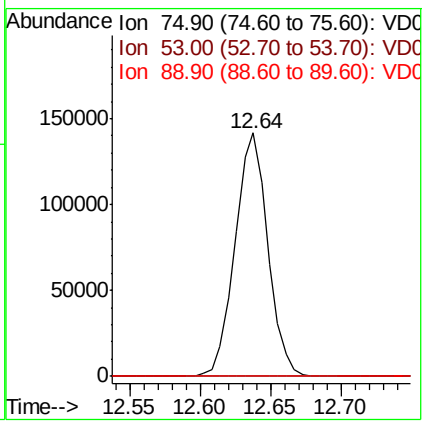


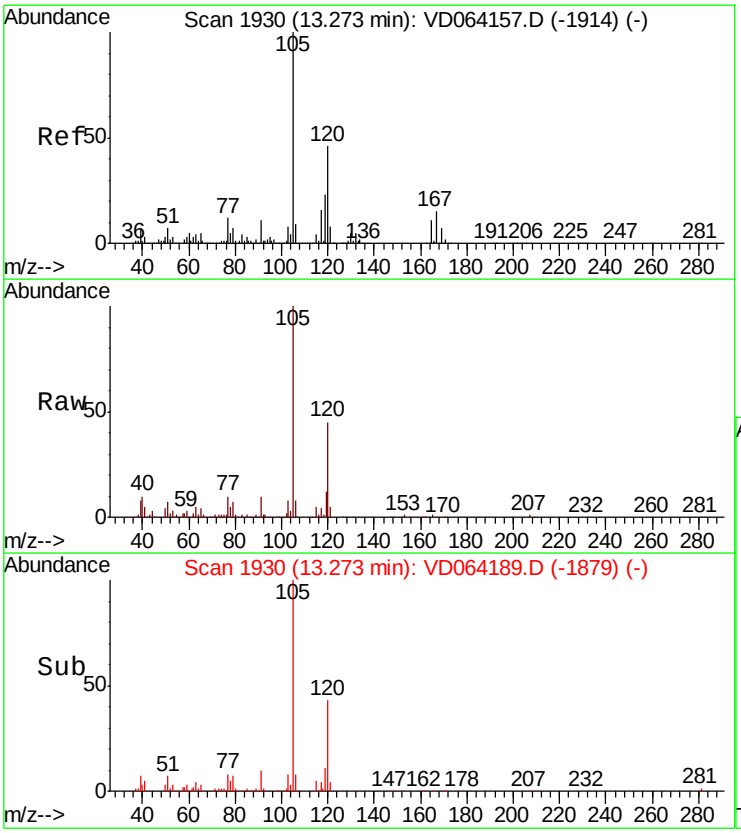
#81
trans-1,4-Dichloro-2-butene
Concen: 115.658 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument : MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 229413

Ion	Ratio	Lower	Upper
75	100		
53	0.0	79.4	119.0#
89	0.1	36.6	55.0#

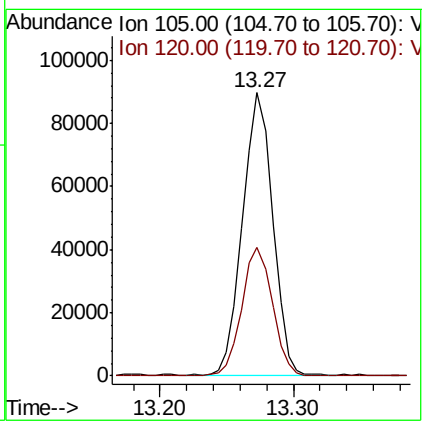


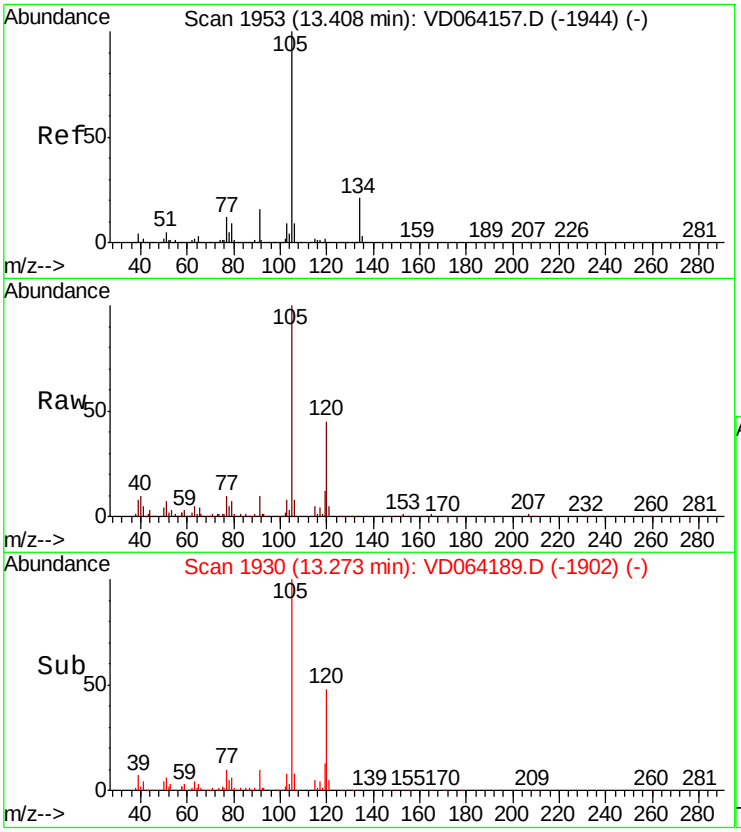


#84
1,2,4-Trimethylbenzene
Concen: 4.780 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion:105 Resp: 139225

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.3	69.8



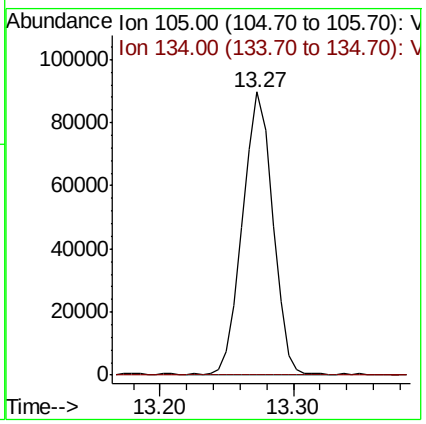


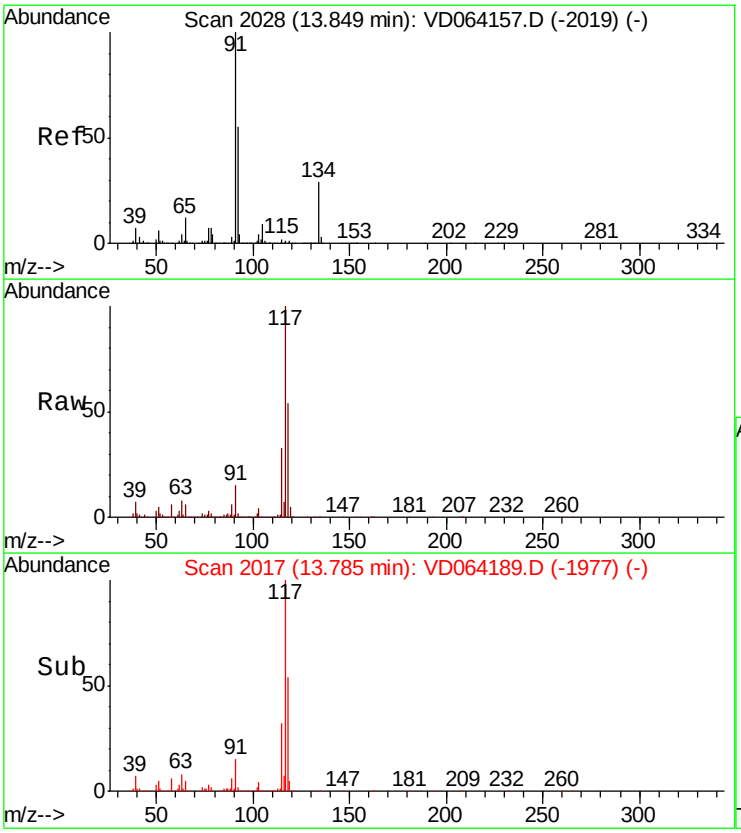
#85
sec-Butylbenzene
Concen: 3.985 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.14 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 139225

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.7	31.9#

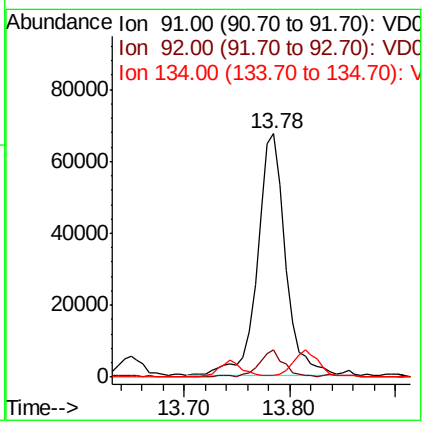


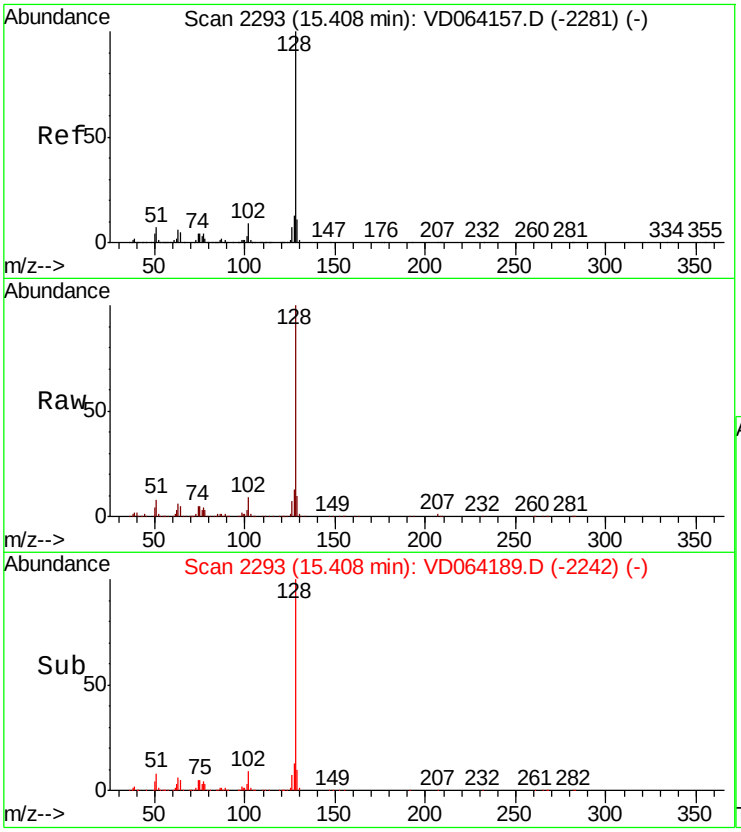


#89
n-Butylbenzene
Concen: 4.117 ug/l
RT: 13.78 min Scan# 2017
Delta R.T. -0.06 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Tgt Ion: 91 Resp: 123542

Ion	Ratio	Lower	Upper
91	100		
92	9.5	27.3	81.8#
134	0.0	14.1	42.4#





#95
Naphthalene
Concen: 39.163 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064189.D
Acq: 11 Nov 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 678722

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.1	8.6	13.0