Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051319\
Data File : VF062557.D
Acq On : 13 May 2019 22:27
Operator : FY/SY
Sample : K2642-03
Misc : 5.76g/5mL/MSVOA_F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : OK-03-050919

Quant Time: May 14 07:05:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	210951	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	323667	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	169039	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	49772	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	102485	51.41	ug/l	0.03
Spiked Amount 50.000			Recovery = 102.82%			
35) Dibromofluoromethane	4.33	113	112545	43.65	ug/l	0.03
Spiked Amount 50.000			Recovery = 87.30%			
50) Toluene-d8	7.73	98	164410	26.34	ug/l	0.03
Spiked Amount 50.000			Recovery = 52.68%			
62) 4-Bromofluorobenzene	11.51	95	42717	15.17	ug/l	0.02
Spiked Amount 50.000			Recovery = 30.34%			
Target Compounds						Qvalue
5) Bromomethane	1.42	94	644	Below Cal		86
8) Diethyl Ether	1.72	74	1536	3.046	ug/l	46
11) Tert butyl alcohol	2.69	59	325	2.884	ug/l #	70
13) Acrolein	2.10	56	437	Below Cal	#	22
15) Acrylonitrile	3.09	53	590	2.764	ug/l #	17
16) Acetone	2.36	43	6018	14.922	ug/l #	81
18) Methyl Acetate	2.49	43	1883	Below Cal	#	76
20) Methylene Chloride	2.37	84	4683	3.210	ug/l #	62
25) 2-Butanone	4.55	43	1847	3.645	ug/l #	1
29) Tetrahydrofuran	4.30	42	407	1.748	ug/l #	79
37) Ethyl Acetate	4.36	43	836	Below Cal	#	73
38) Carbon Tetrachloride	4.20	117	72	Below Cal	#	14
40) Benzene	4.84	78	87113	14.228	ug/l	96
49) 1,4-Dioxane	6.89	88	66	Below Cal	#	29
51) 4-Methyl-2-Pentanone	8.43	43	1755	1.831	ug/l #	70
52) Toluene	7.80	92	92608	24.518	ug/l	97
67) Ethyl Benzene	10.05	91	18607	3.799	ug/l	99
68) m/p-Xylenes	10.27	106	51073	28.264	ug/l	99
69) o-Xylene	10.83	106	43809	22.436	ug/l	97
70) Styrene	10.91	104	43544	14.880	ug/l	100
73) Isopropylbenzene	11.23	105	10431	3.535	ug/l	89
74) N-amyl acetate	11.51	43	1094	1.727	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.75	83	984	2.130	ug/l #	1
78) n-propylbenzene	11.68	91	13515	4.302	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	114113	44.123	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.96	75	183	1.381	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.28	105	342295	135.245	ug/l	99
85) sec-Butylbenzene	12.37	105	12232	3.697	ug/l	93
86) p-Isopropyltoluene	12.50	119	34590	11.253	ug/l	88
89) n-Butylbenzene	12.90	91	33421	12.221	ug/l #	37
90) Hexachloroethane	13.07	117	46058	60.013	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.66	75	356	3.440	ug/l #	1
95) Naphthalene	14.50	128	2444853	1324.407	ug/l #	97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051319\
Data File : VF062557.D
Acq On : 13 May 2019 22:27
Operator : FY/SY
Sample : K2642-03
Misc : 5.76g/5mL/MSVOA_F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : OK-03-050919

Quant Time: May 14 07:05:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

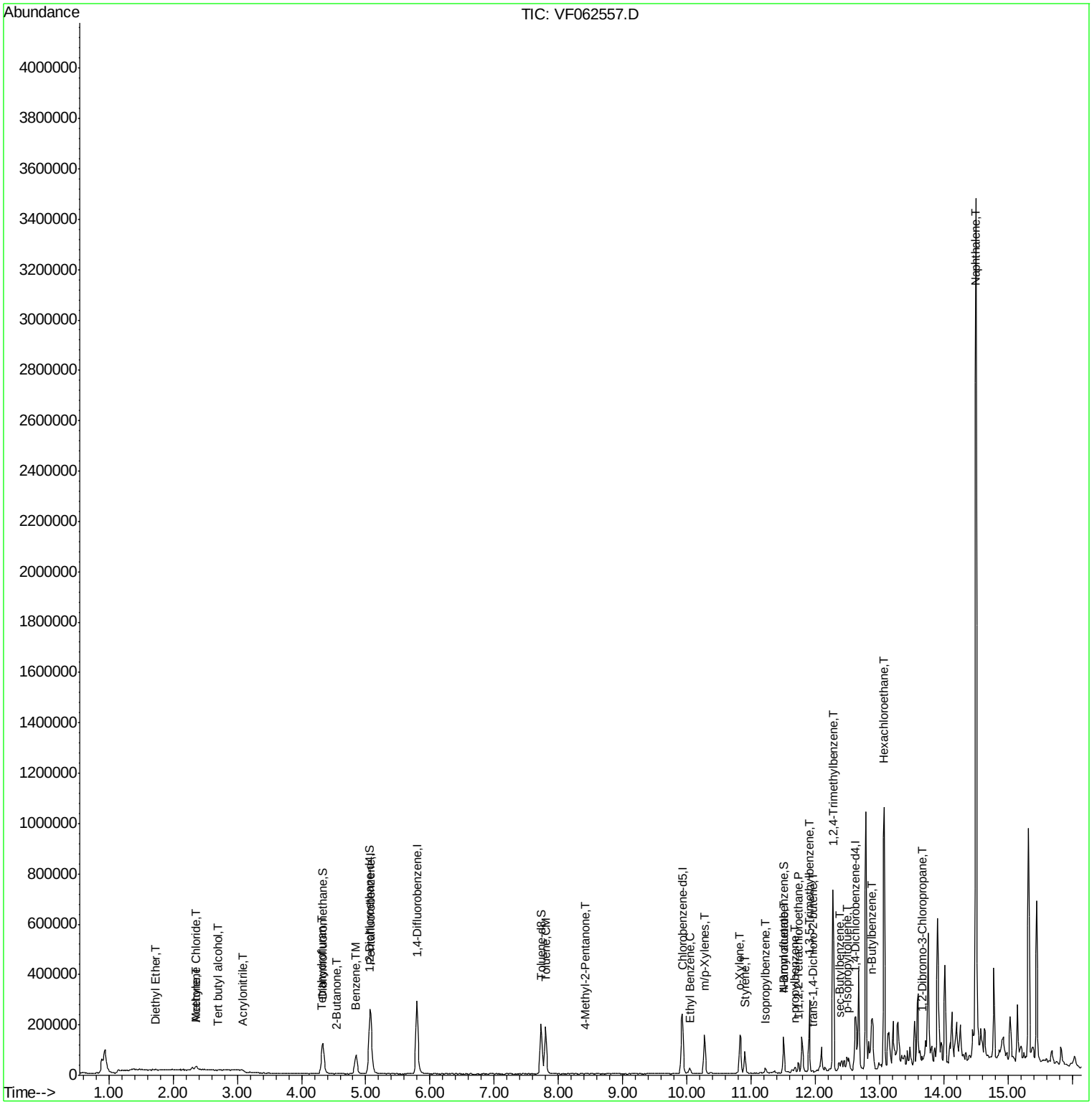
(#) = qualifier out of range (m) = manual integration (+) = signals summed

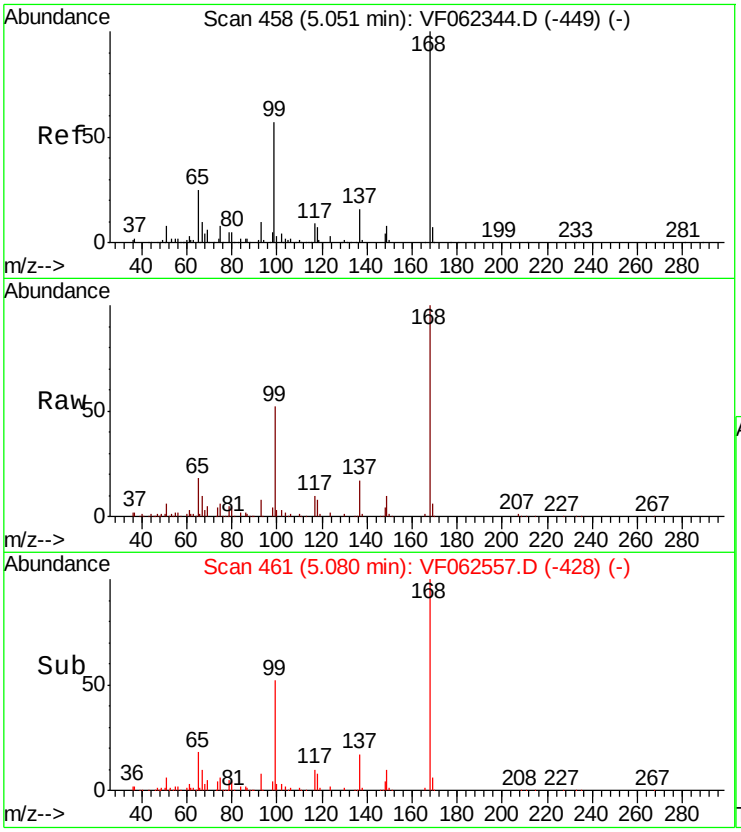
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051319\
Data File : VF062557.D
Acq On : 13 May 2019 22:27
Operator : FY/SY
Sample : K2642-03
Misc : 5.76g/5mL/MSVOA_F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Quant Time: May 14 07:05:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration



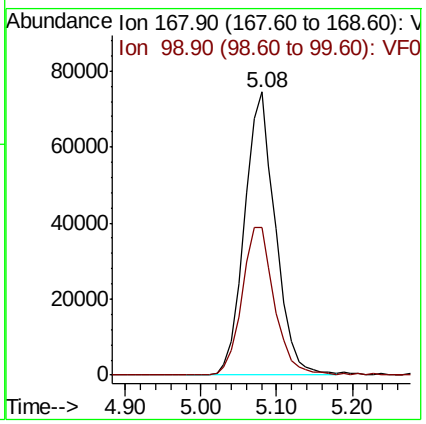


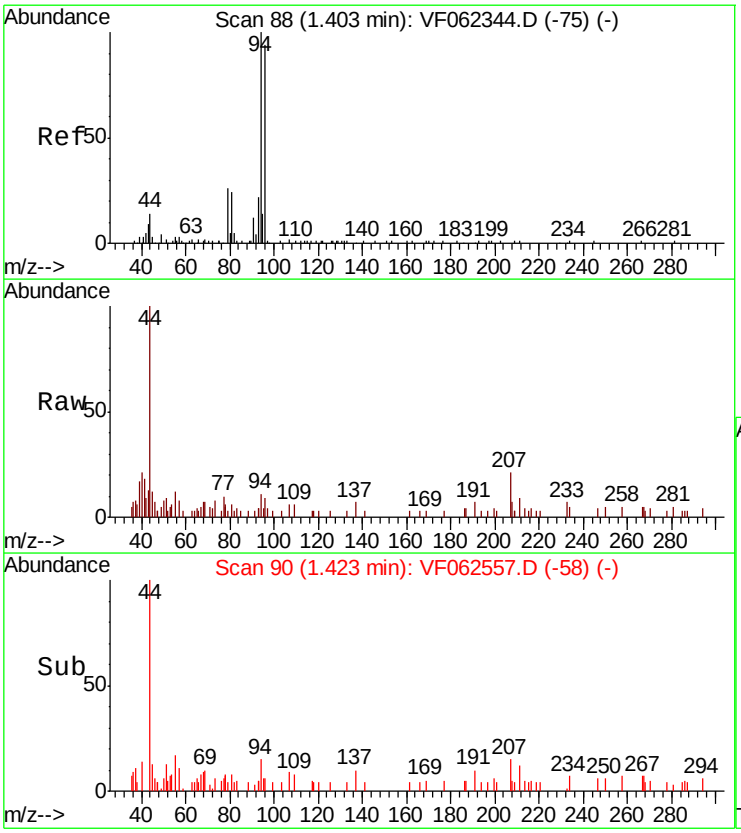
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.08 min Scan# 461
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion:168 Resp: 210951

Ion	Ratio	Lower	Upper
168	100		
99	52.1	45.9	68.9

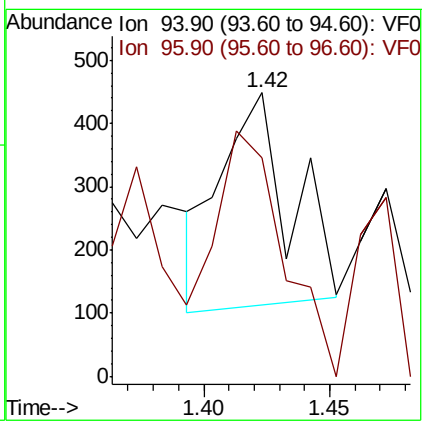


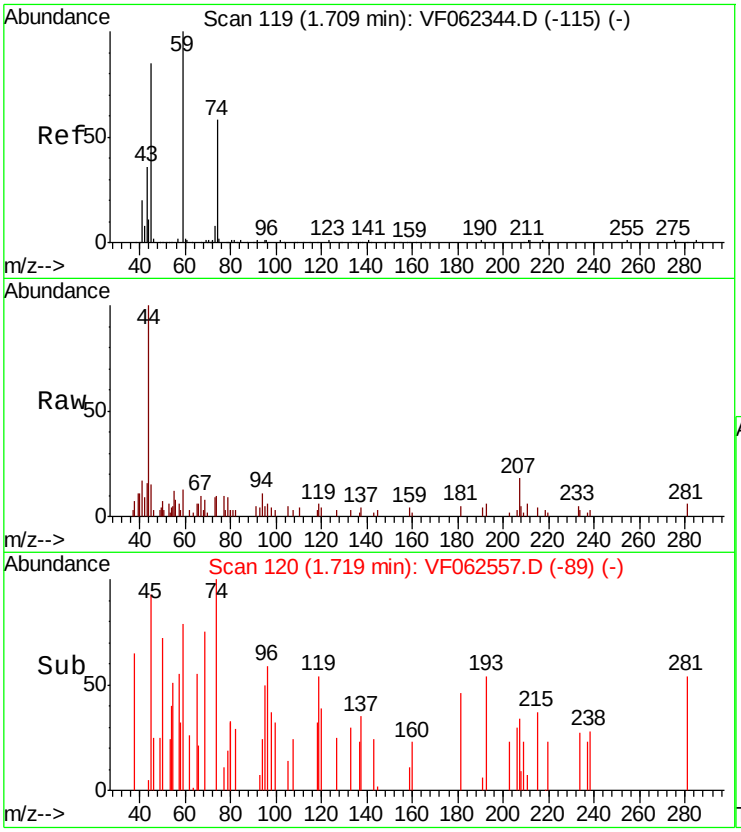


#5
Bromomethane
Concen: Below Cal
RT: 1.42 min Scan# 90
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion: 94 Resp: 644

Ion	Ratio	Lower	Upper
94	100		
96	107.8	75.4	113.2



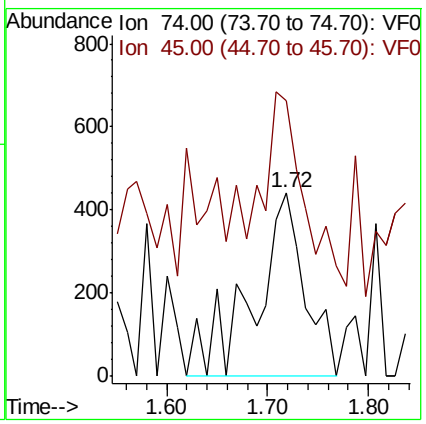


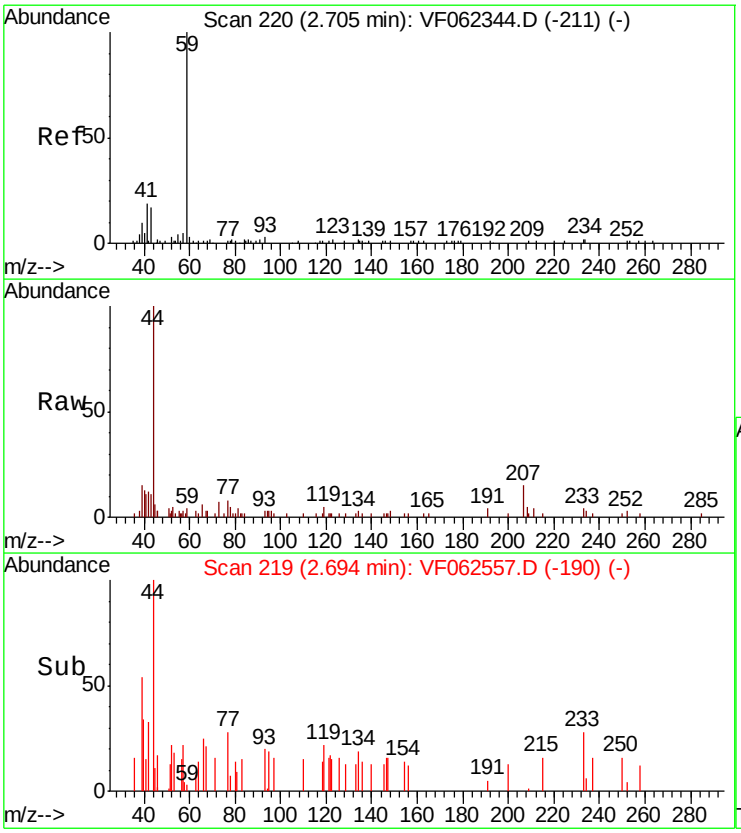
#8
Diethyl Ether
Concen: 3.046 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 74 Resp: 1536

Ion	Ratio	Lower	Upper
74	100		
45	79.8	73.9	221.6

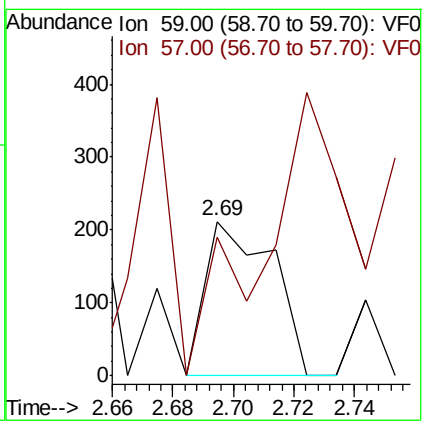


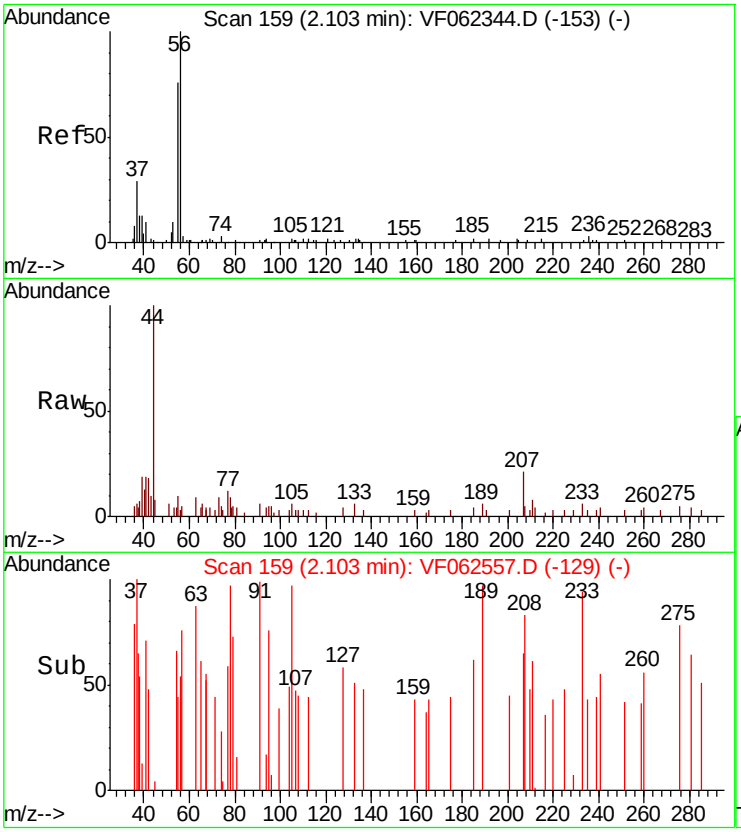


#11
Tert butyl alcohol
Concen: 2.884 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion: 59 Resp: 325

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#



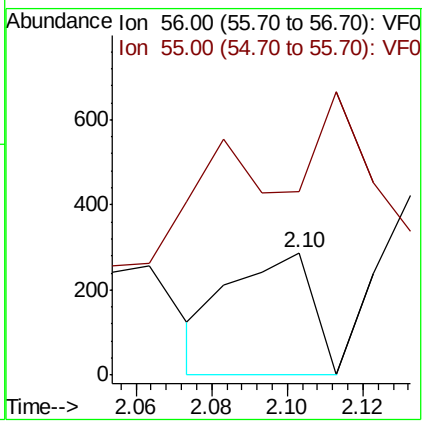


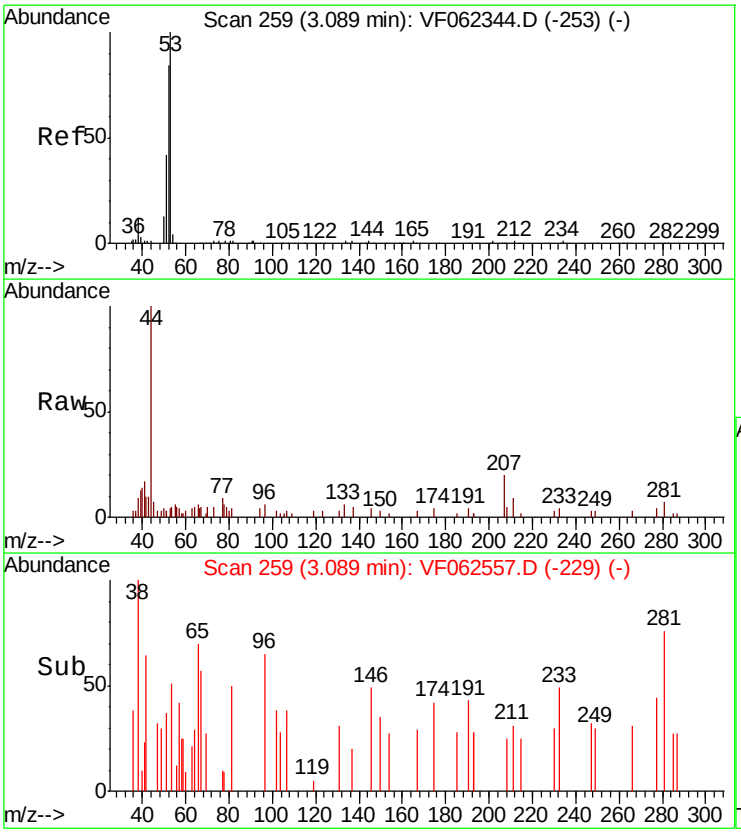
#13
Acrolein
Concen: Below Cal
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 56 Resp: 437

Ion	Ratio	Lower	Upper
56	100		
55	138.4	58.4	87.6#

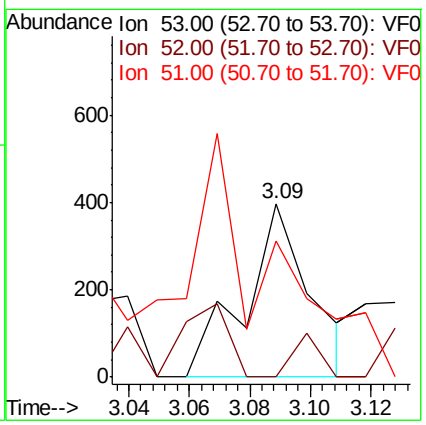


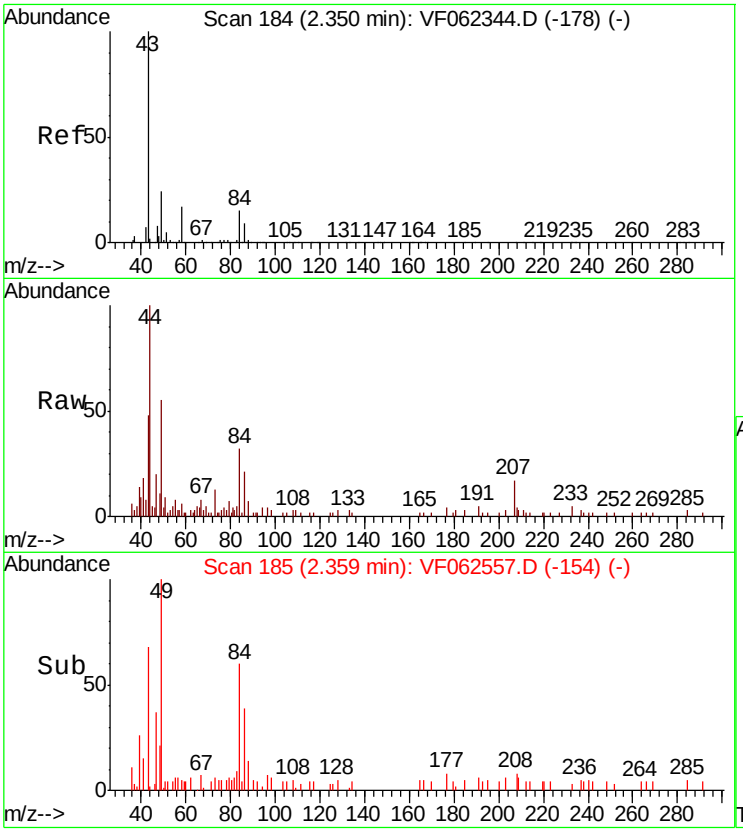


#15
Acrylonitrile
Concen: 2.764 ug/l
RT: 3.09 min Scan# 259
Delta R.T. -0.00 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion: 53 Resp: 590

Ion	Ratio	Lower	Upper
53	100		
52	10.2	77.2	115.8#
51	0.0	40.6	61.0#



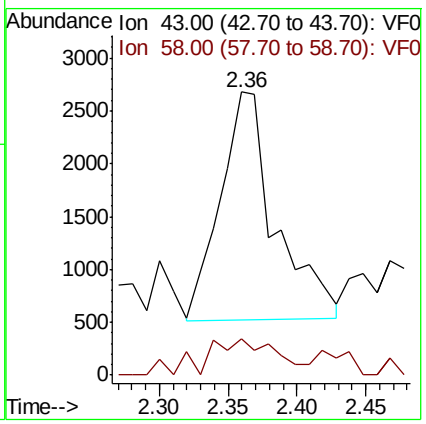


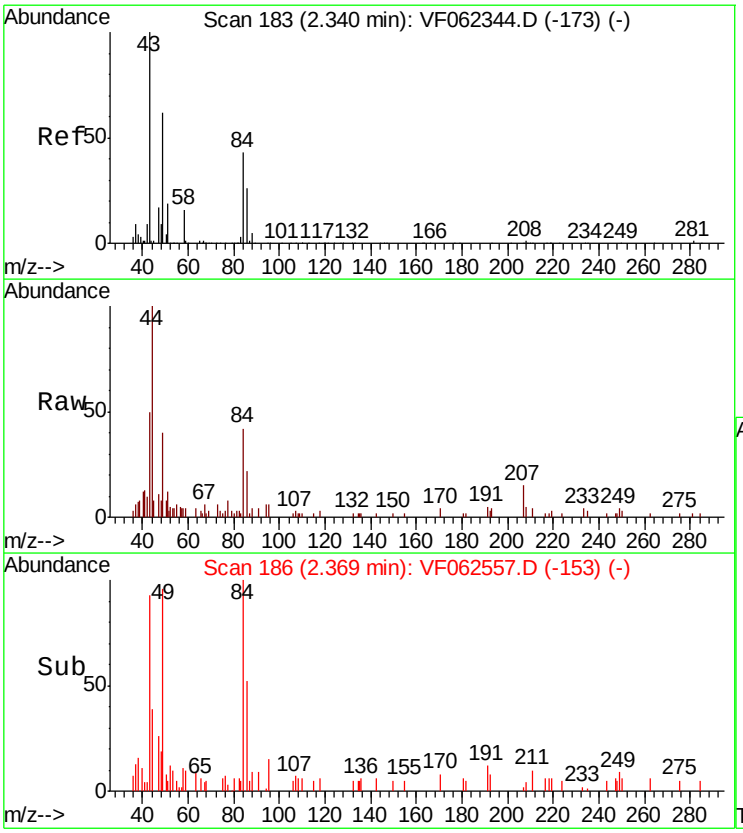
#16
Acetone
Concen: 14.922 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument : MSVOA_F
ClientSampleId : OK-03-050919

Tgt Ion: 43 Resp: 6018

Ion	Ratio	Lower	Upper
43	100		
58	8.3	13.1	19.7#

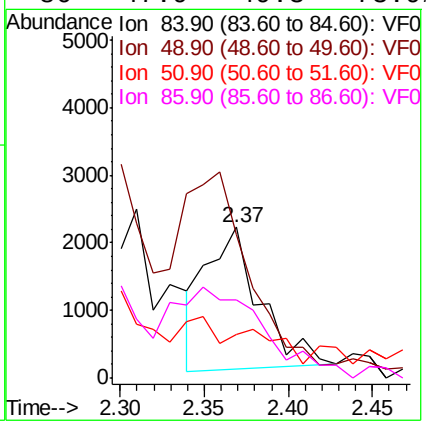


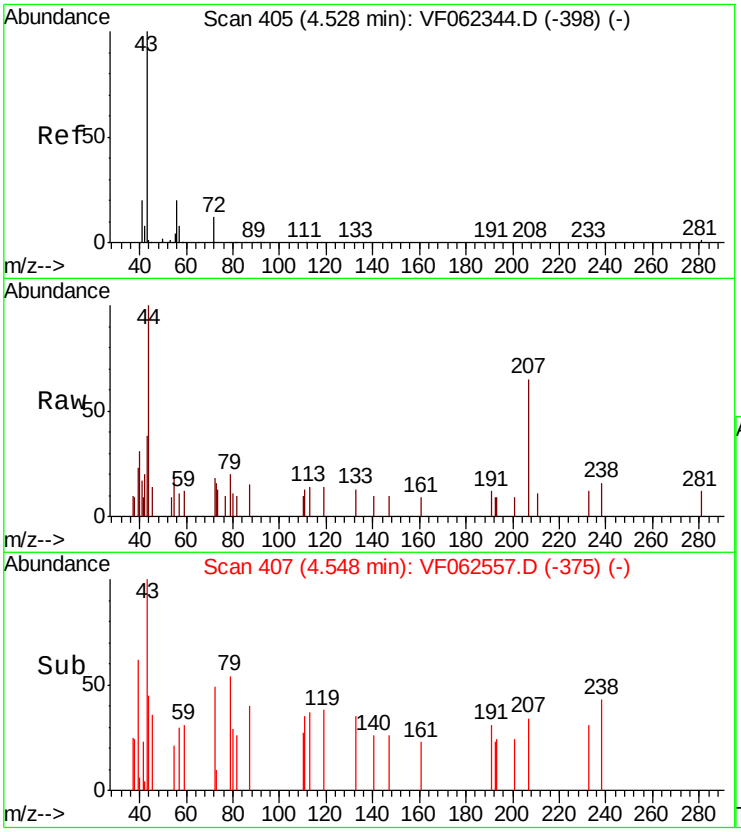


#20
Methylene Chloride
Concen: 3.210 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion: 84 Resp: 4683

Ion	Ratio	Lower	Upper
84	100		
49	94.7	117.5	176.3#
51	9.5	37.0	55.4#
86	47.9	49.3	73.9#



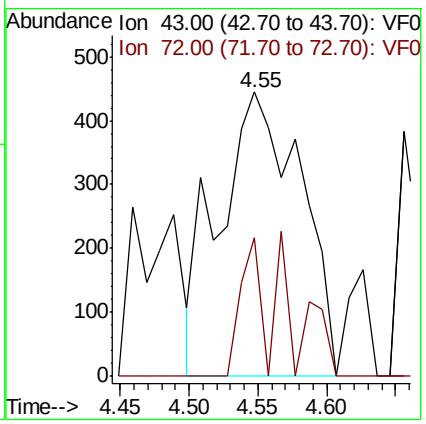


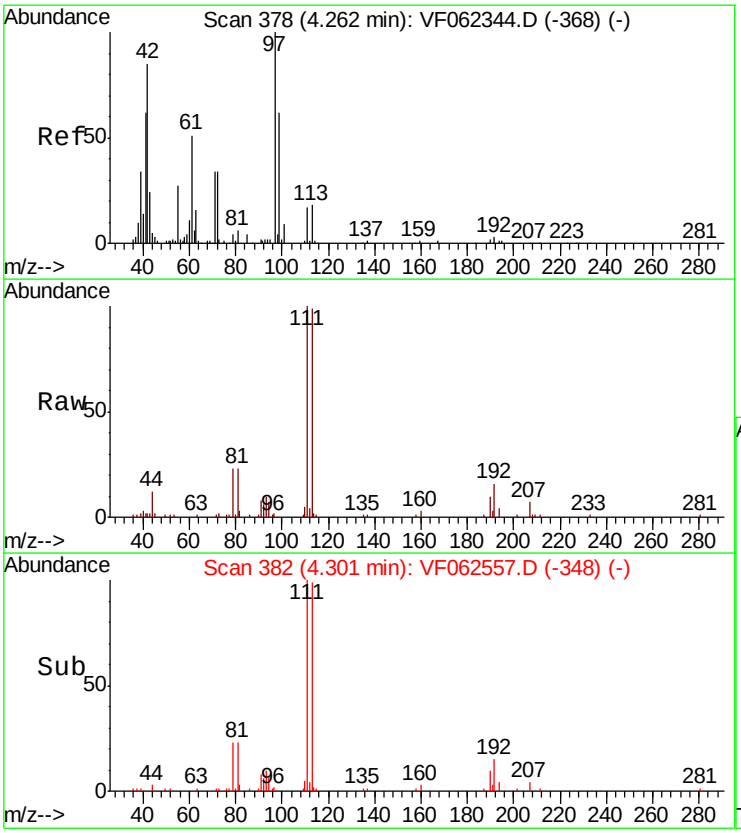
#25
2-Butanone
Concen: 3.645 ug/l
RT: 4.55 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 43 Resp: 1847

Ion	Ratio	Lower	Upper
43	100		
72	89.7	14.2	21.4#

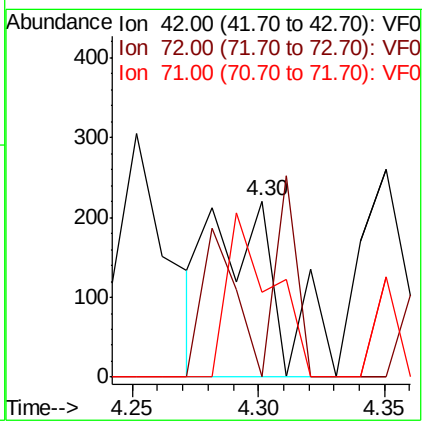


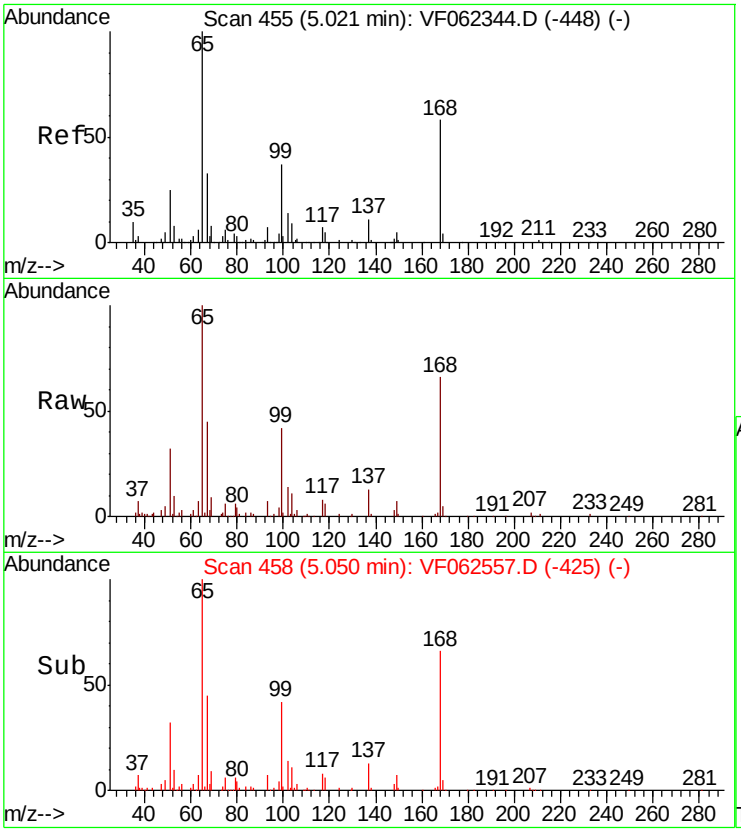


#29
Tetrahydrofuran
Concen: 1.748 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.04 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion: 42 Resp: 407

Ion	Ratio	Lower	Upper
42	100		
72	36.9	31.4	47.0
71	63.4	31.7	47.5#



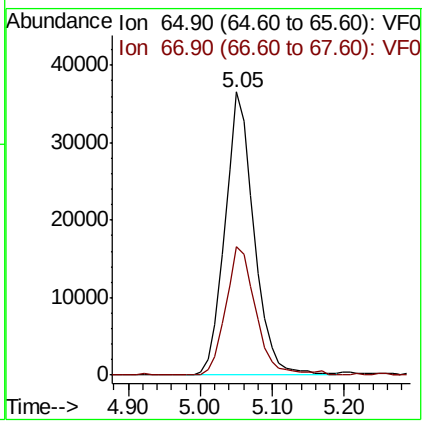


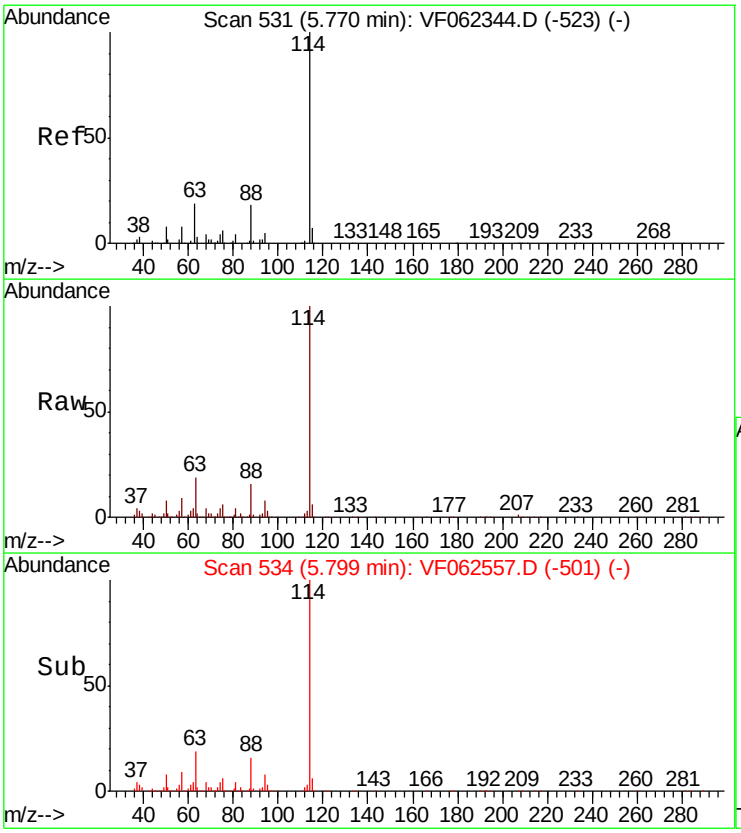
#33
1,2-Dichloroethane-d4
Concen: 51.408 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 65 Resp: 102485

Ion	Ratio	Lower	Upper
65	100		
67	46.3	0.0	85.8

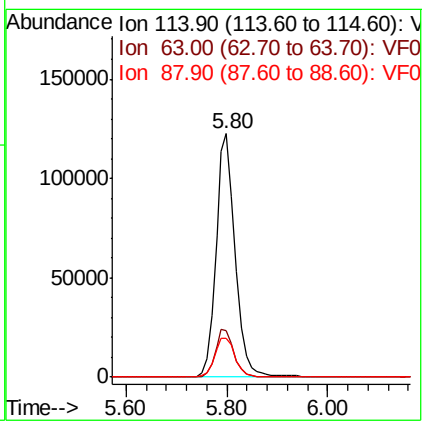


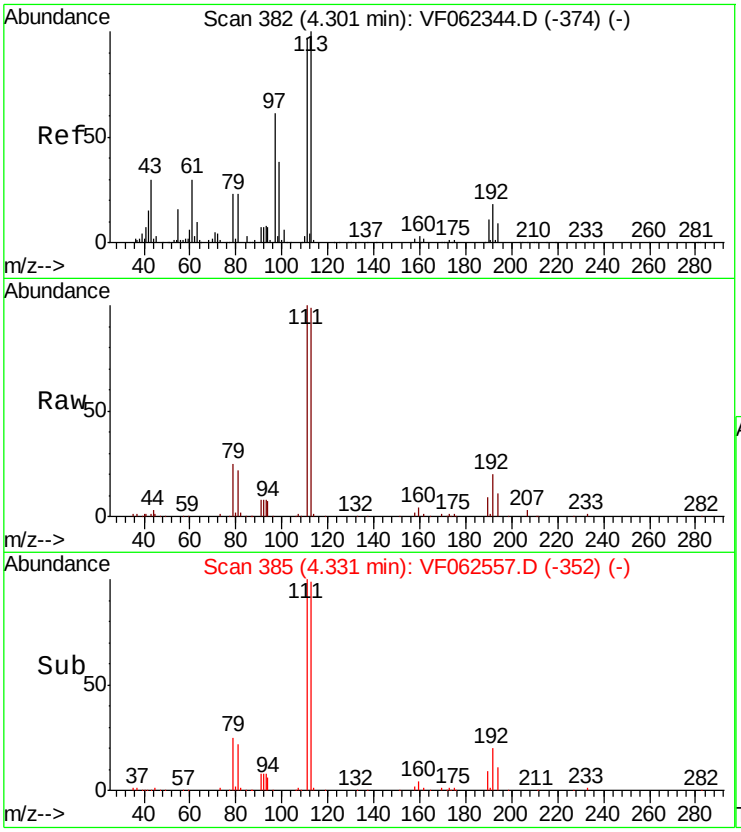


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion:114 Resp: 323667

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	37.4
88	16.1	0.0	36.4



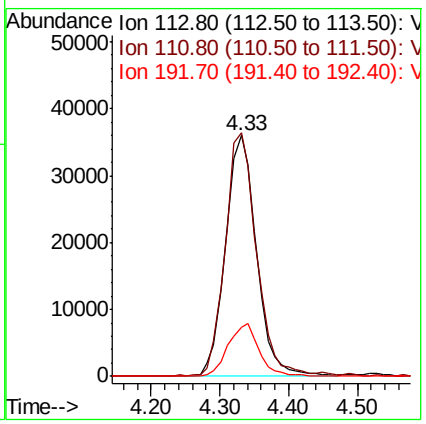


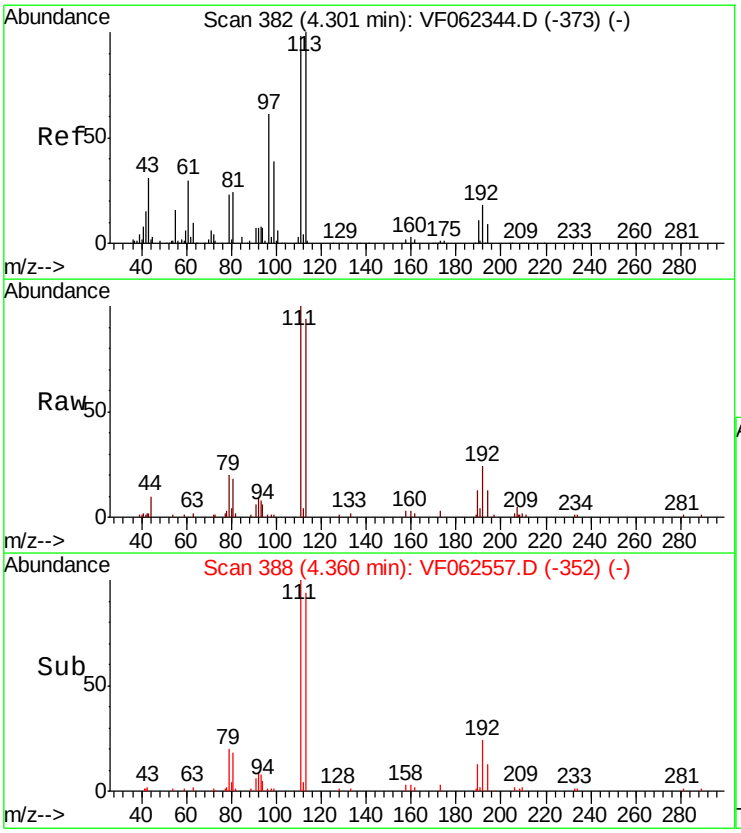
#35
Dibromofluoromethane
Concen: 43.646 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion:113 Resp: 112545

Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.4	119.0
192	21.5	16.0	24.0

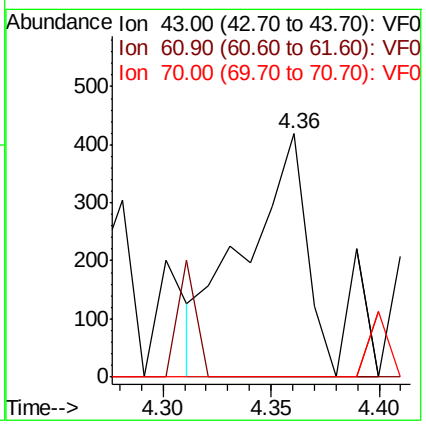


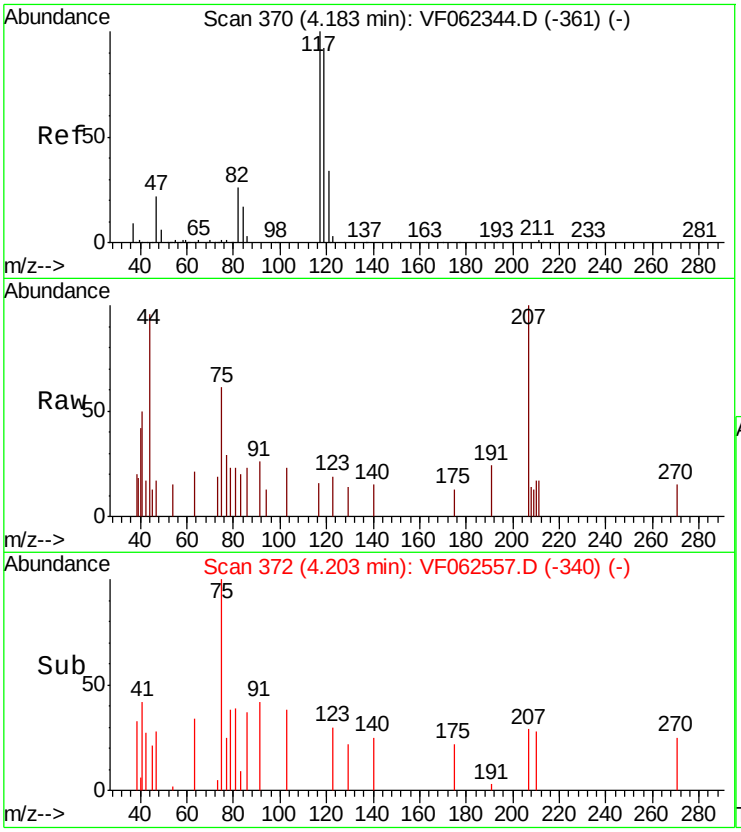


#37
Ethyl Acetate
Concen: Below Cal
RT: 4.36 min Scan# 388
Delta R.T. 0.06 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion: 43 Resp: 836

Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	0.0	8.2	12.2#



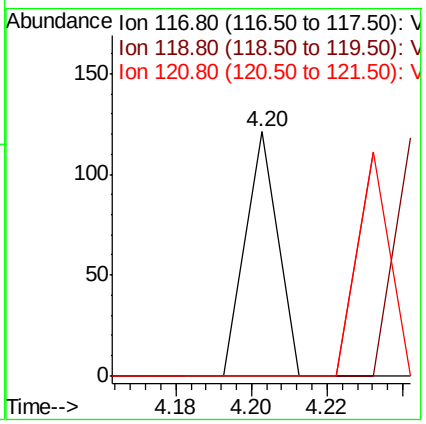


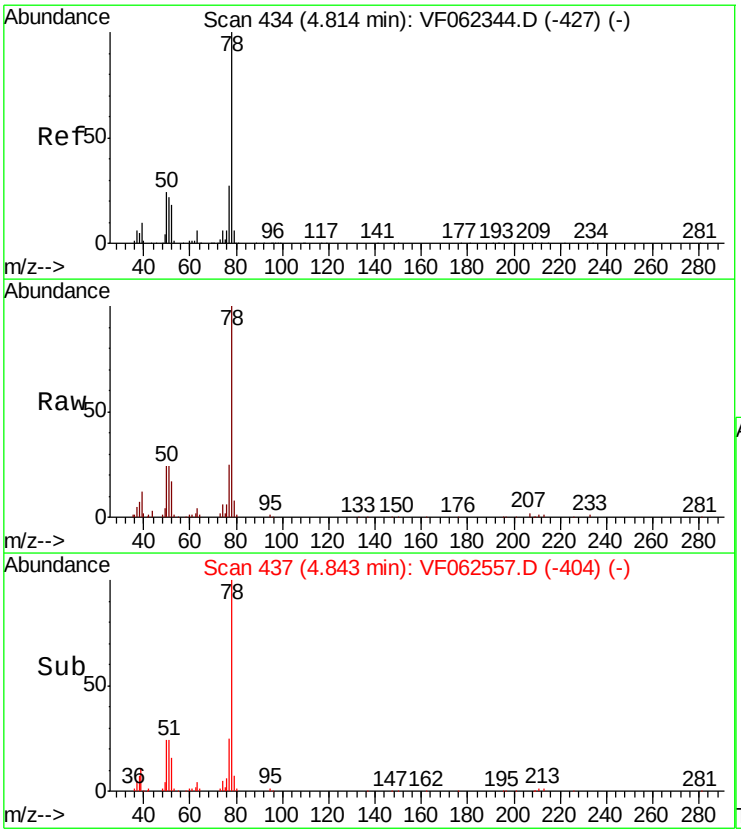
#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.20 min Scan# 372
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument : MSVOA_F
ClientSampleId : OK-03-050919

Tgt Ion:117 Resp: 72

Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.4	110.2#
121	0.0	27.4	41.0#

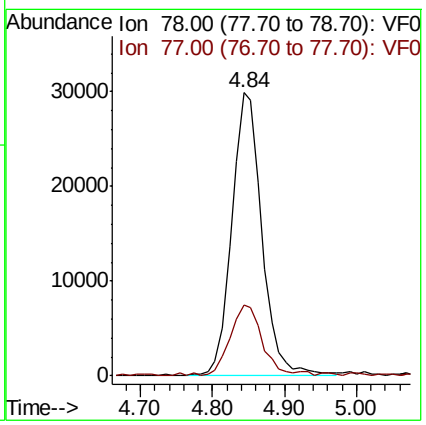


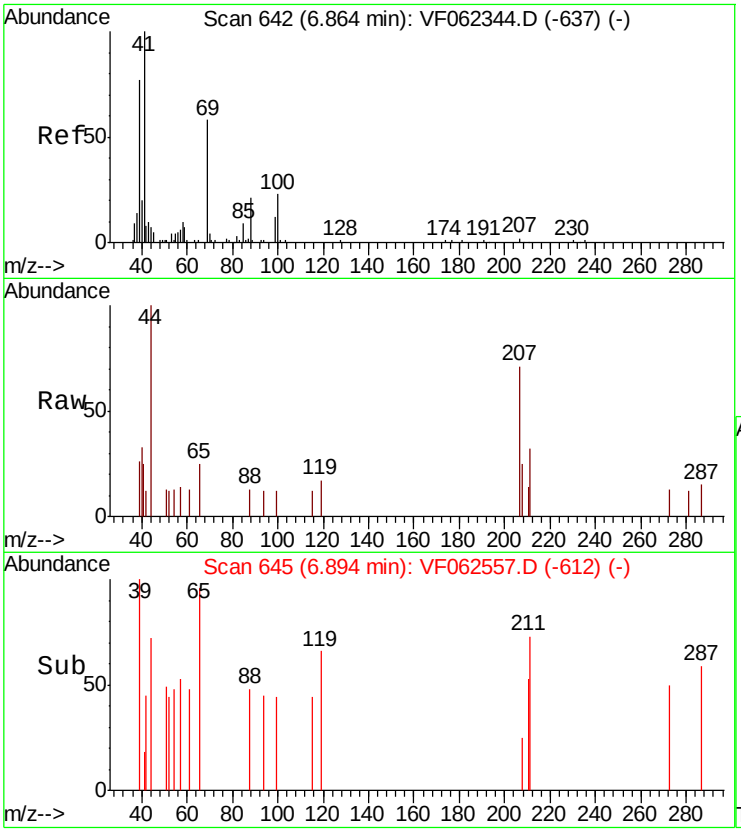


#40
Benzene
Concen: 14.228 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion: 78 Resp: 87113

Ion	Ratio	Lower	Upper
78	100		
77	24.9	21.6	32.4



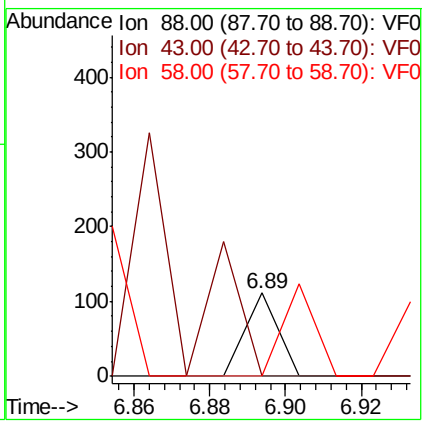


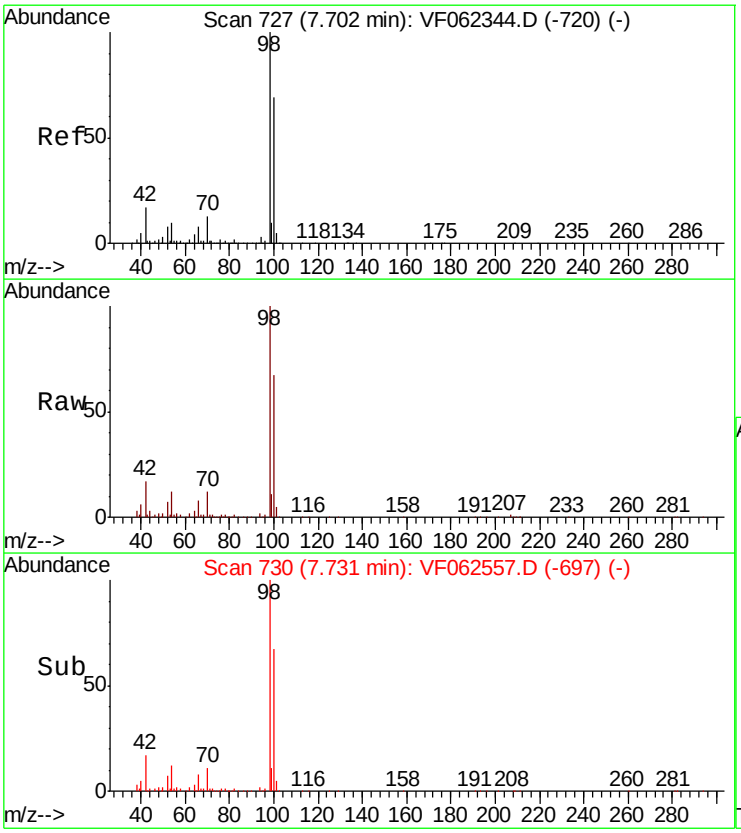
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 88 Resp: 66

Ion	Ratio	Lower	Upper
88	100		
43	0.0	55.6	83.4#
58	110.6	52.8	79.2#

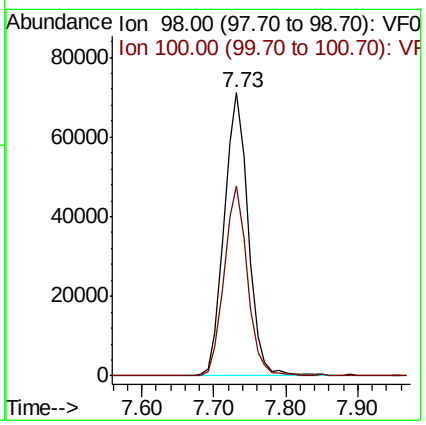


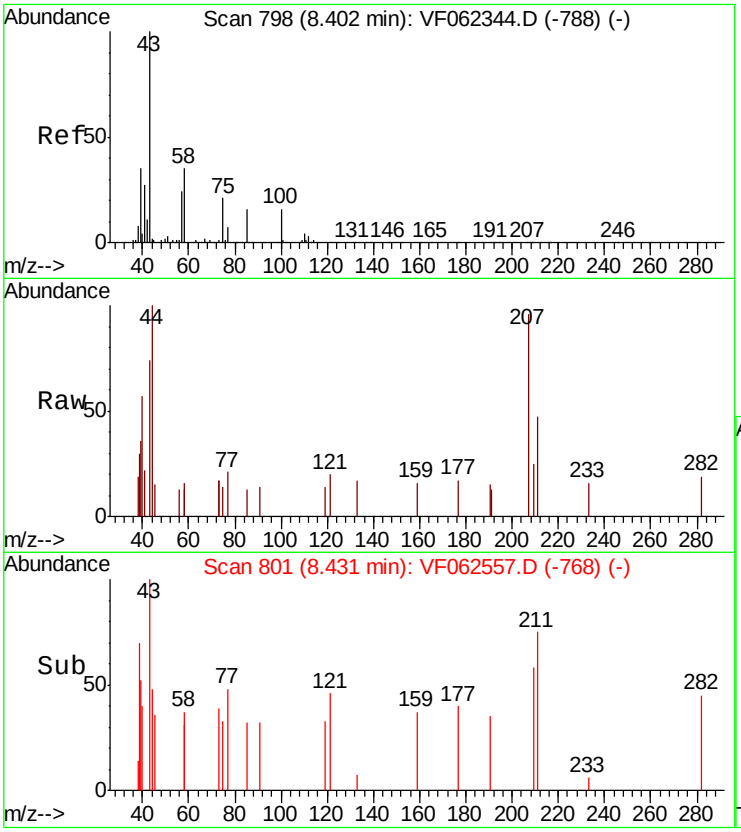


#50
Toluene-d8
Concen: 26.340 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion: 98 Resp: 164410

Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.3	79.9



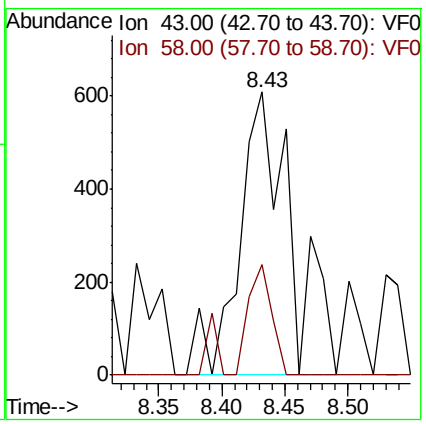


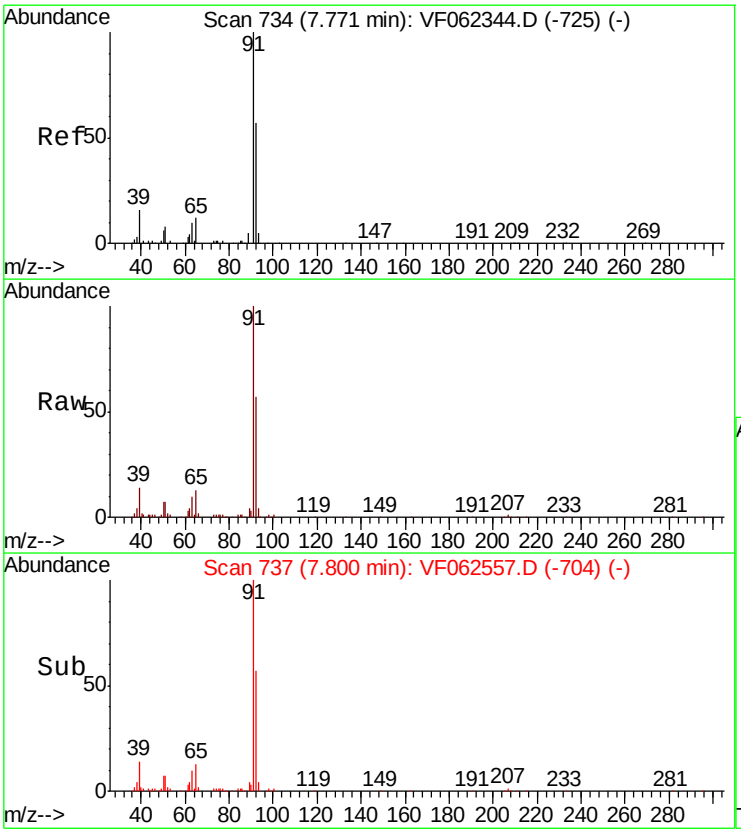
#51
4-Methyl-2-Pentanone
Concen: 1.831 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument : MSVOA_F
ClientSampleId : OK-03-050919

Tgt Ion: 43 Resp: 1755

Ion	Ratio	Lower	Upper
43	100		
58	17.6	27.8	41.6#

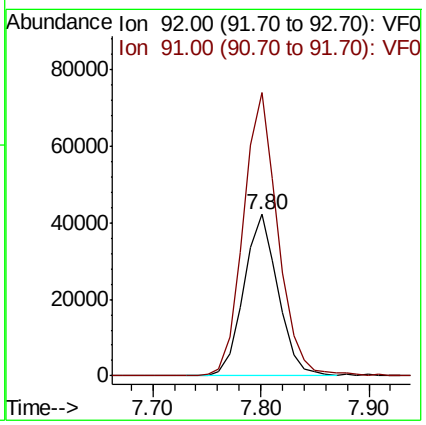


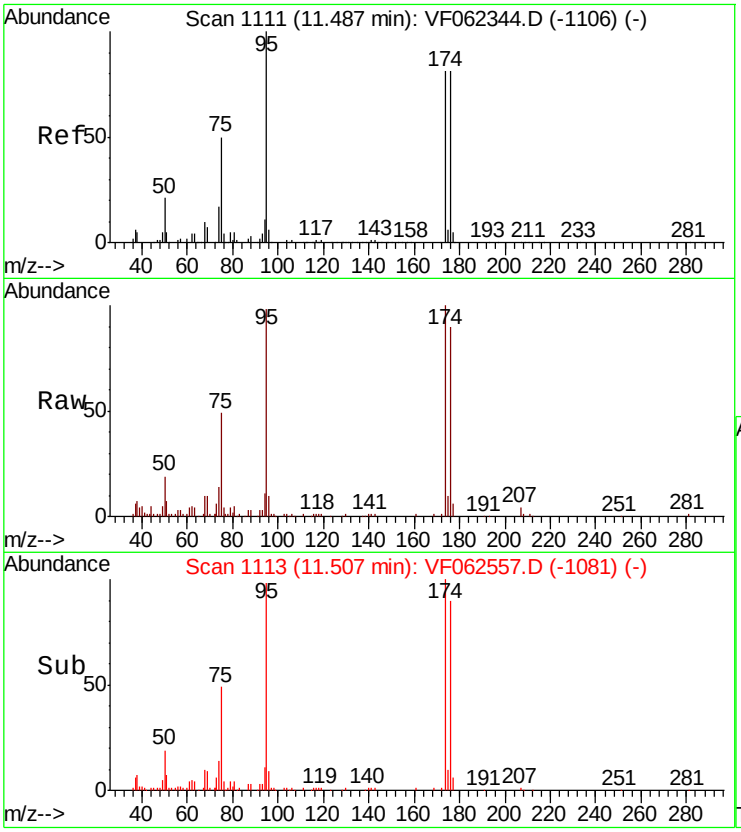


#52
Toluene
Concen: 24.518 ug/l
RT: 7.80 min Scan# 737
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion: 92 Resp: 92608

Ion	Ratio	Lower	Upper
92	100		
91	177.3	138.7	208.1



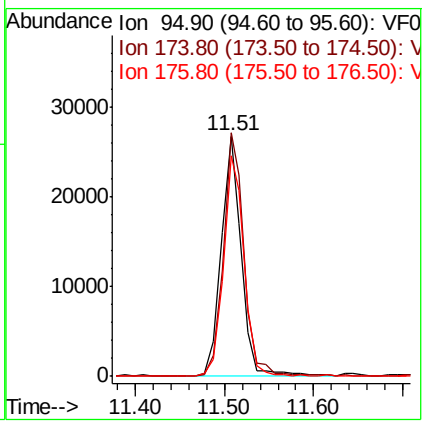


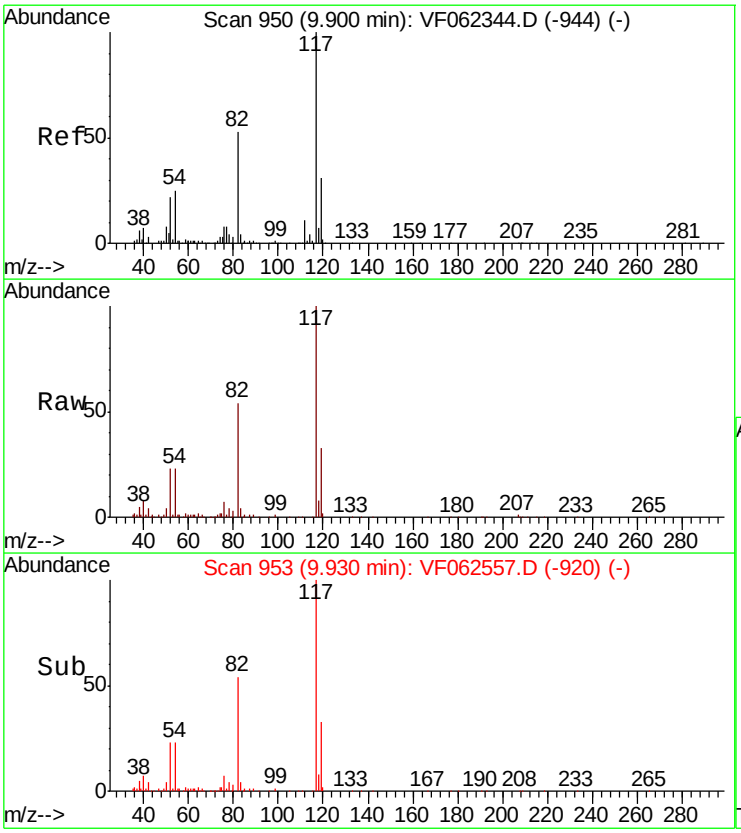
#62
4-Bromofluorobenzene
Concen: 15.169 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 95 Resp: 42717

Ion	Ratio	Lower	Upper
95	100		
174	104.5	0.0	191.8
176	93.7	0.0	193.2

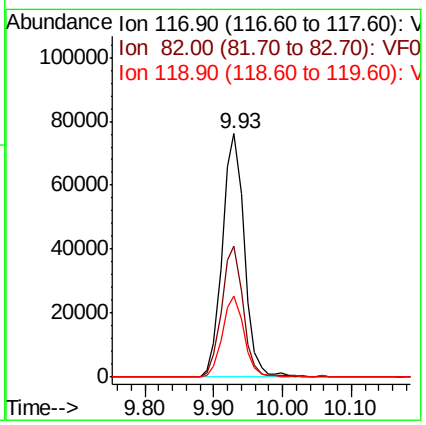


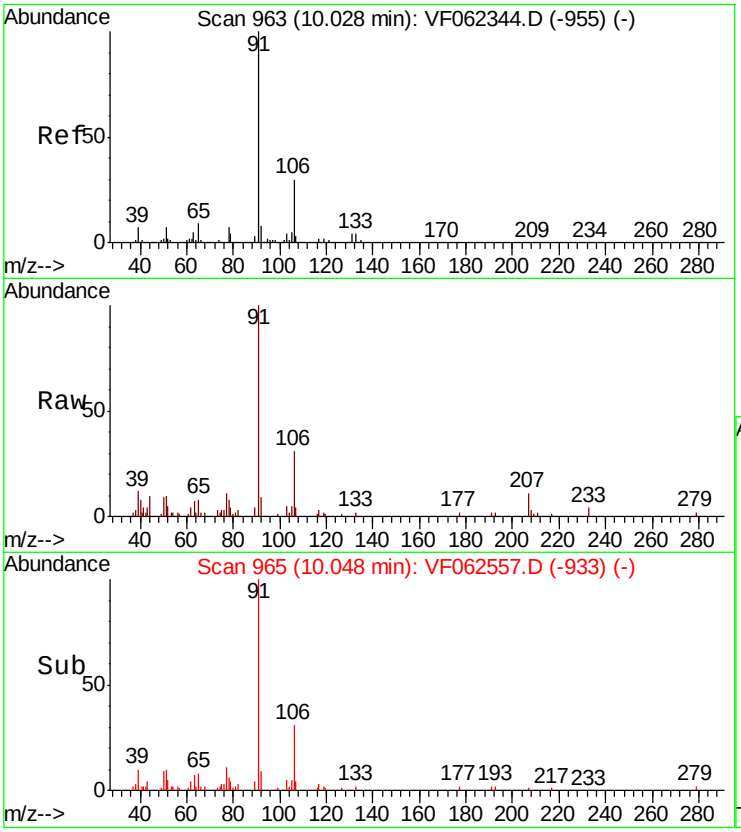


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion:117 Resp: 169039

Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.2	63.2
119	33.4	25.0	37.4



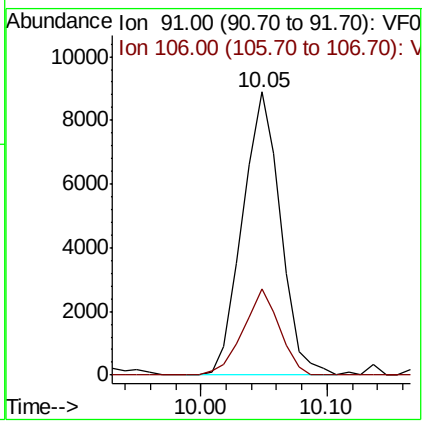


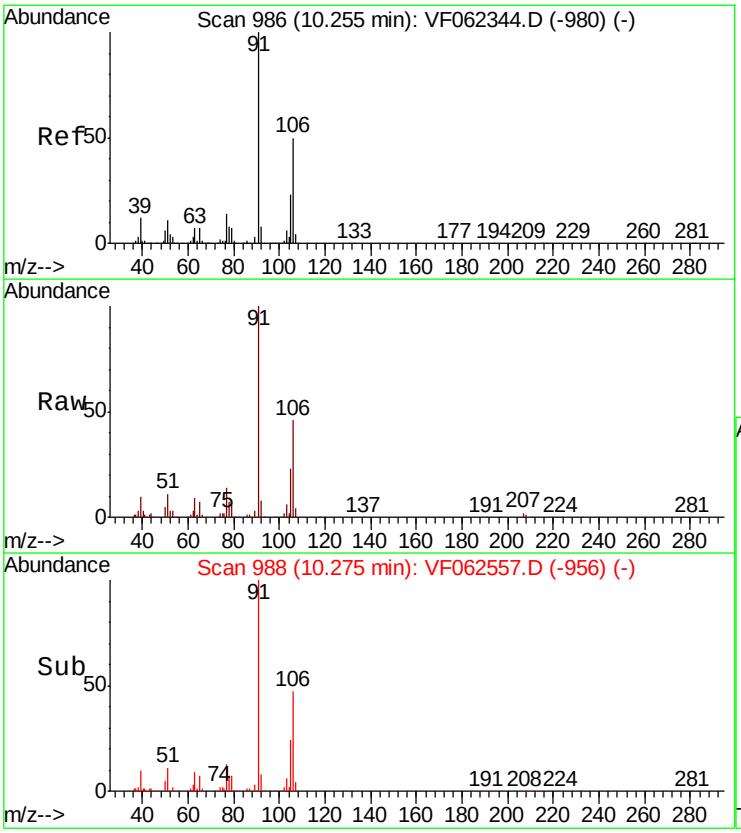
#67
Ethyl Benzene
Concen: 3.799 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument : MSVOA_F
ClientSampleId : OK-03-050919

Tgt Ion: 91 Resp: 18607

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.1	36.1

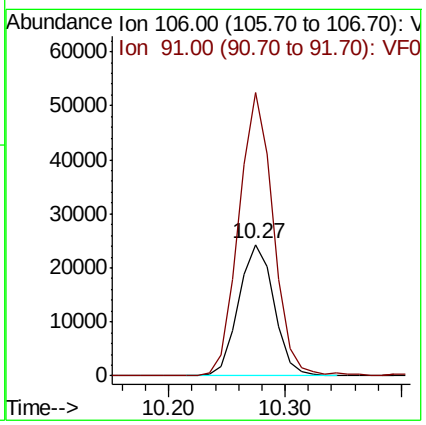


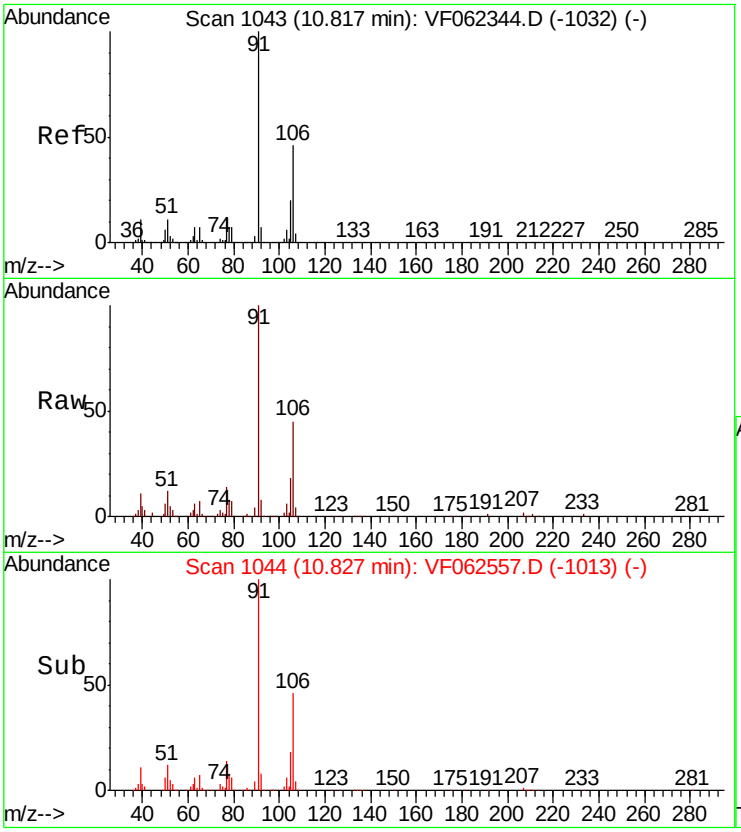


#68
m/p-Xylenes
Concen: 28.264 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion:106 Resp: 51073

Ion	Ratio	Lower	Upper
106	100		
91	211.0	167.4	251.2



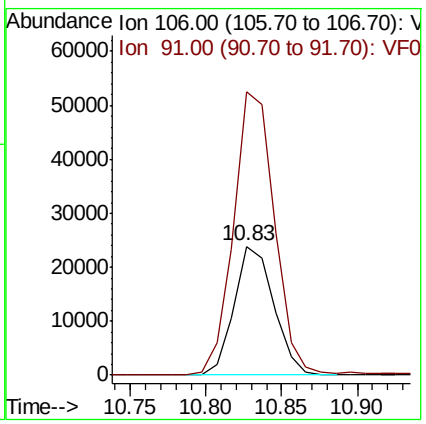


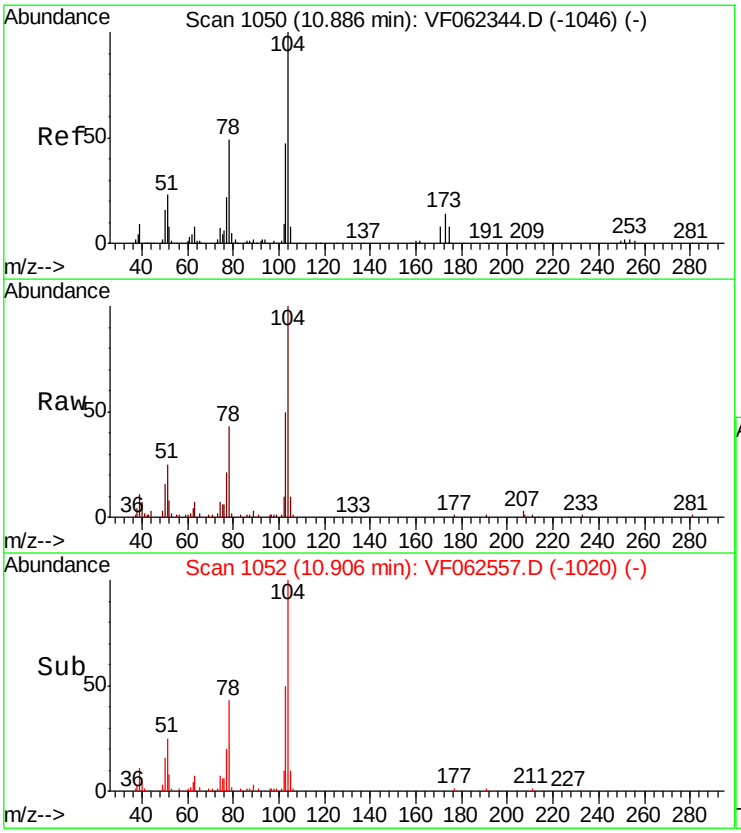
#69
o-Xylene
Concen: 22.436 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion:106 Resp: 43809

Ion	Ratio	Lower	Upper
106	100		
91	228.2	111.3	333.8

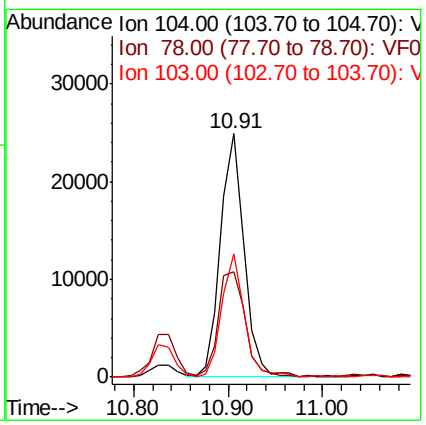


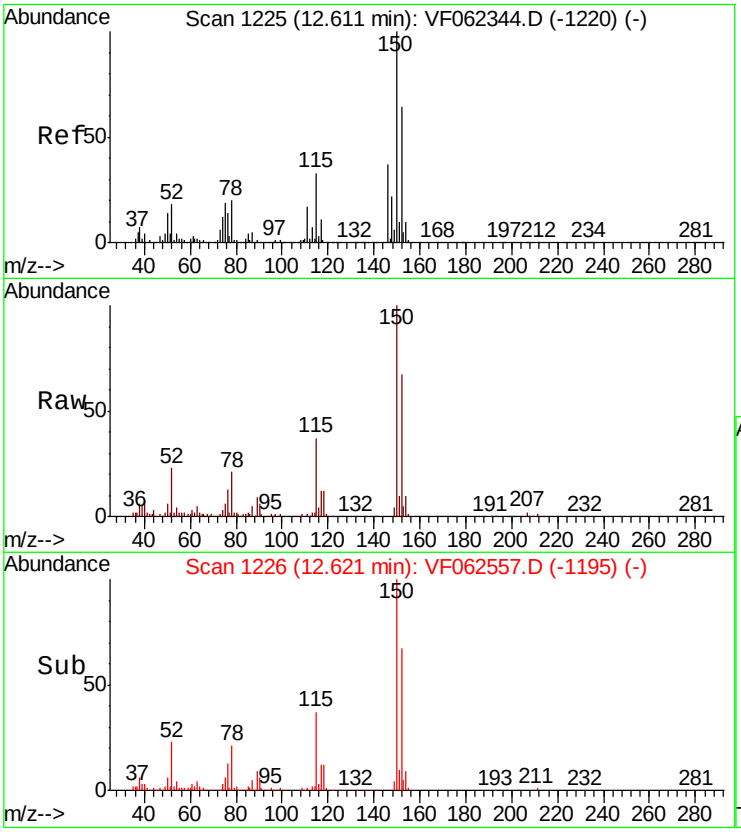


#70
Styrene
Concen: 14.880 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion:104 Resp: 43544

Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.5	59.3
103	48.4	38.4	57.6



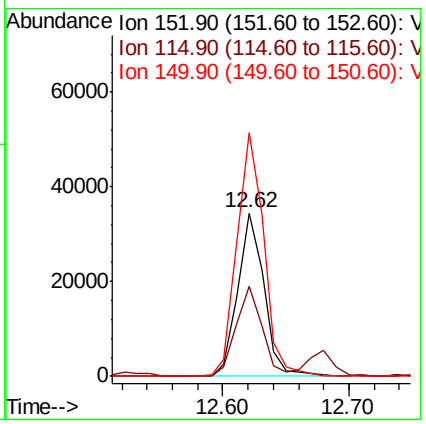


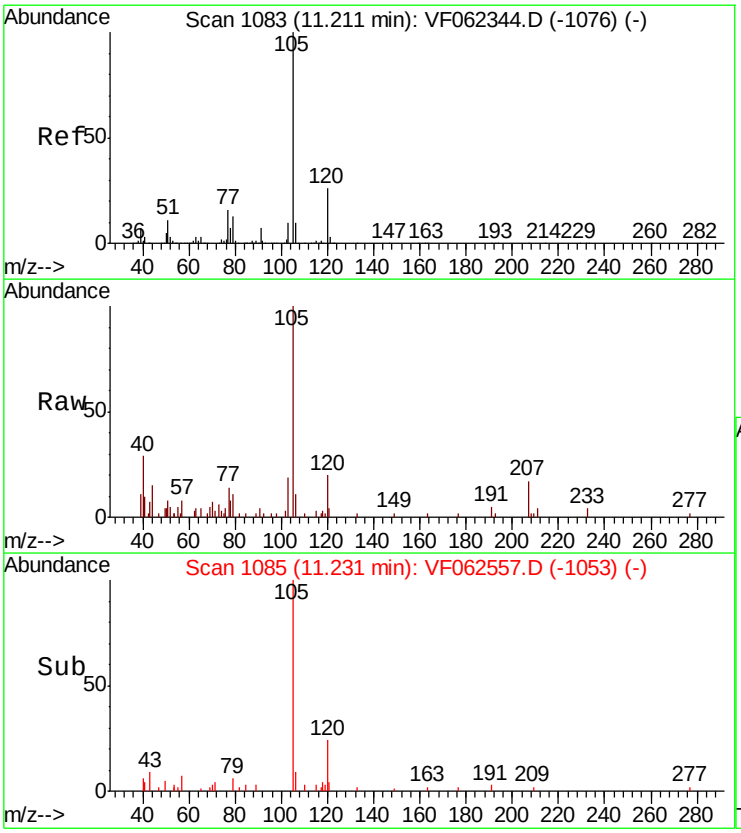
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion:152 Resp: 49772

Ion	Ratio	Lower	Upper
152	100		
115	54.4	26.4	79.2
150	152.8	0.0	335.0

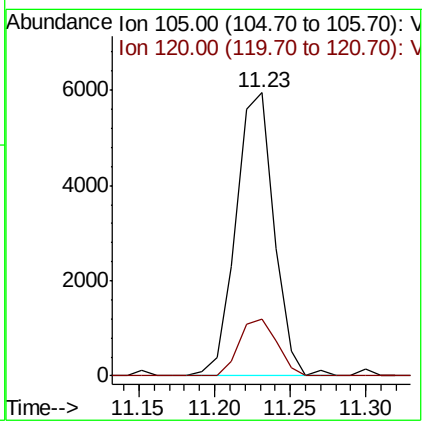


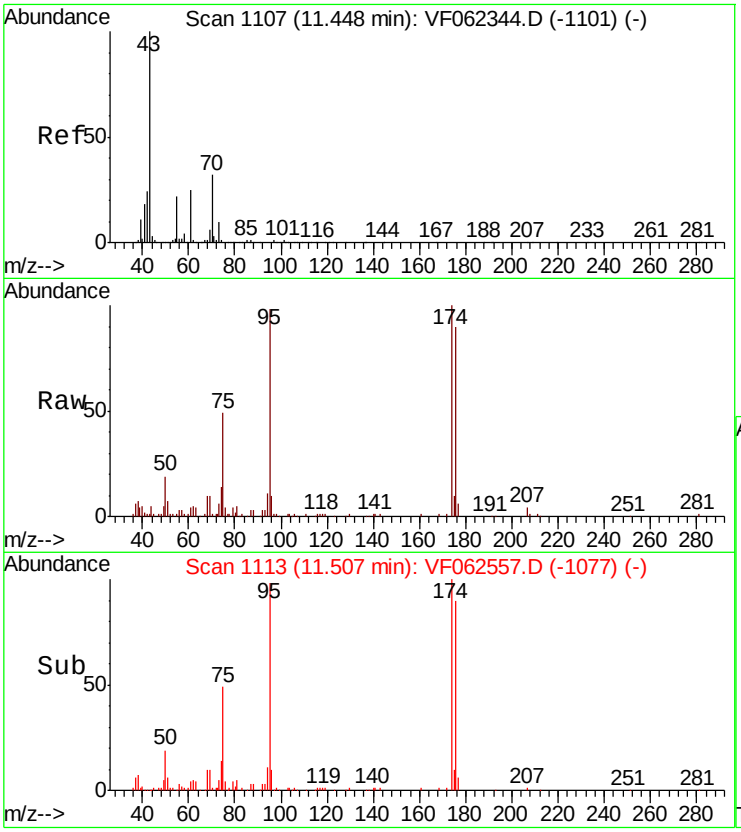


#73
Isopropylbenzene
Concen: 3.535 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion:105 Resp: 10431

Ion	Ratio	Lower	Upper
105	100		
120	19.9	12.7	38.0



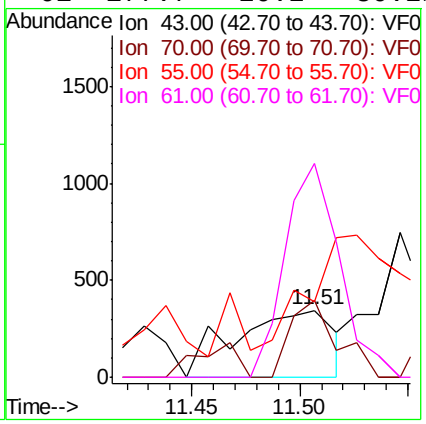


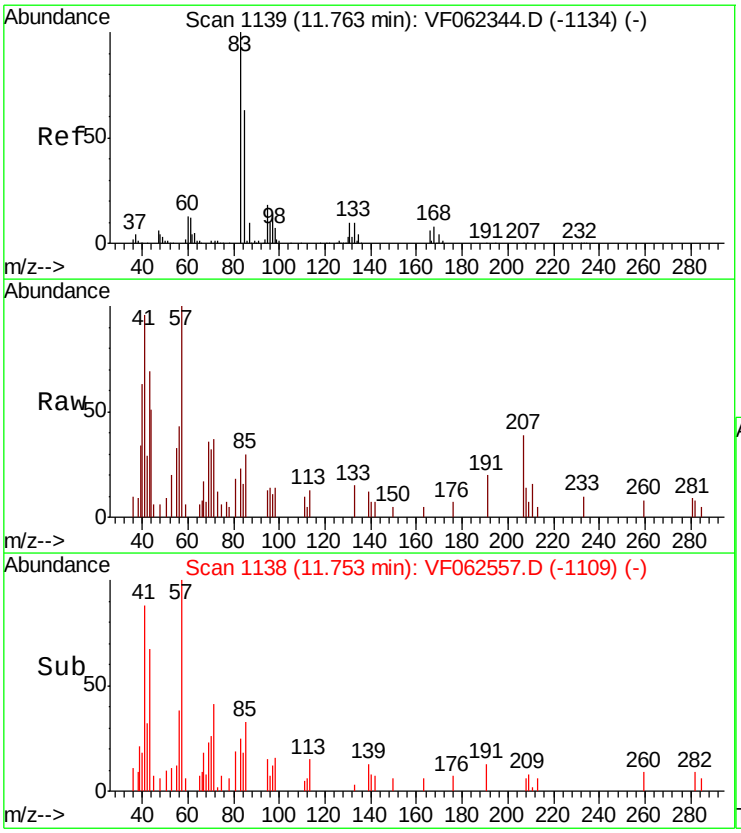
#74
N-amyl acetate
Concen: 1.727 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.06 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument : MSVOA_F
ClientSampleId : OK-03-050919

Tgt Ion: 43 Resp: 1094

Ion	Ratio	Lower	Upper
43	100		
70	55.9	26.5	39.7#
55	242.8	17.8	26.6#
61	177.7	20.2	30.2#

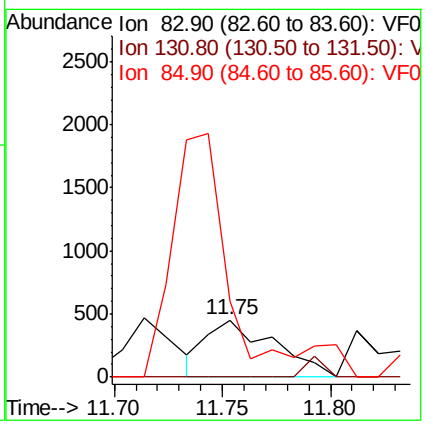


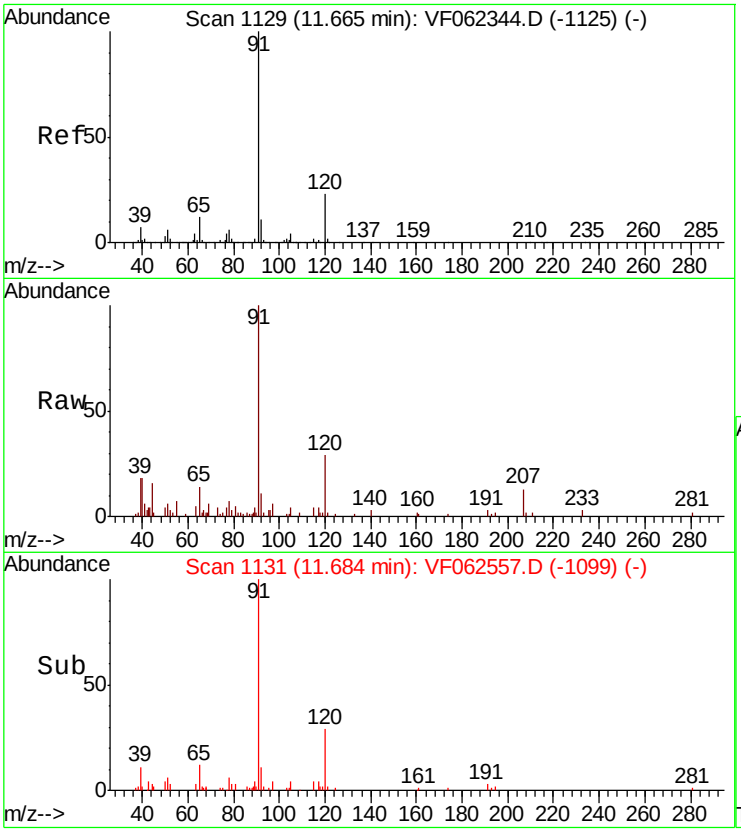


#75
1,1,2,2-Tetrachloroethane
Concen: 2.130 ug/l
RT: 11.75 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion: 83 Resp: 984

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.8	17.4#
85	340.1	35.3	105.7#



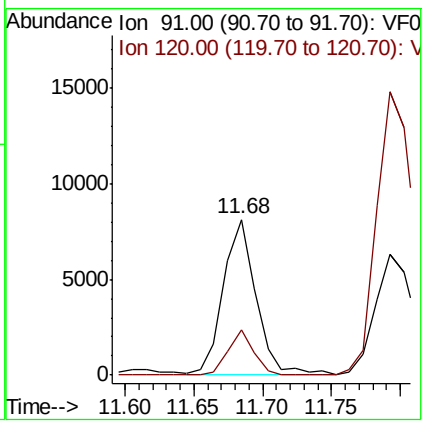


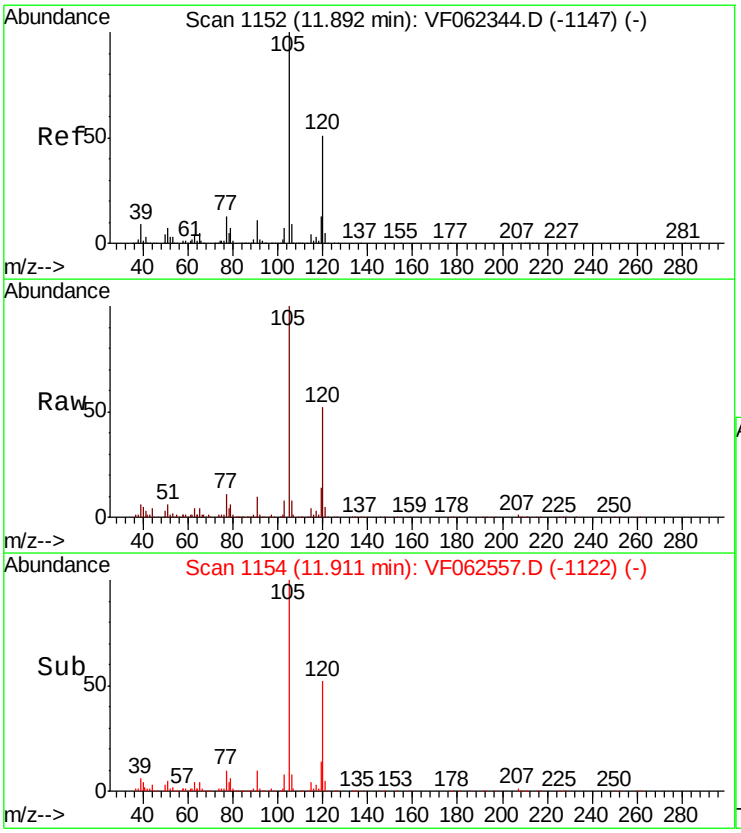
#78
n-propylbenzene
Concen: 4.302 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 91 Resp: 13515

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.9	35.5

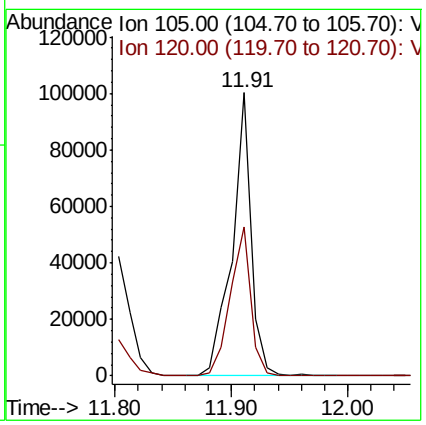


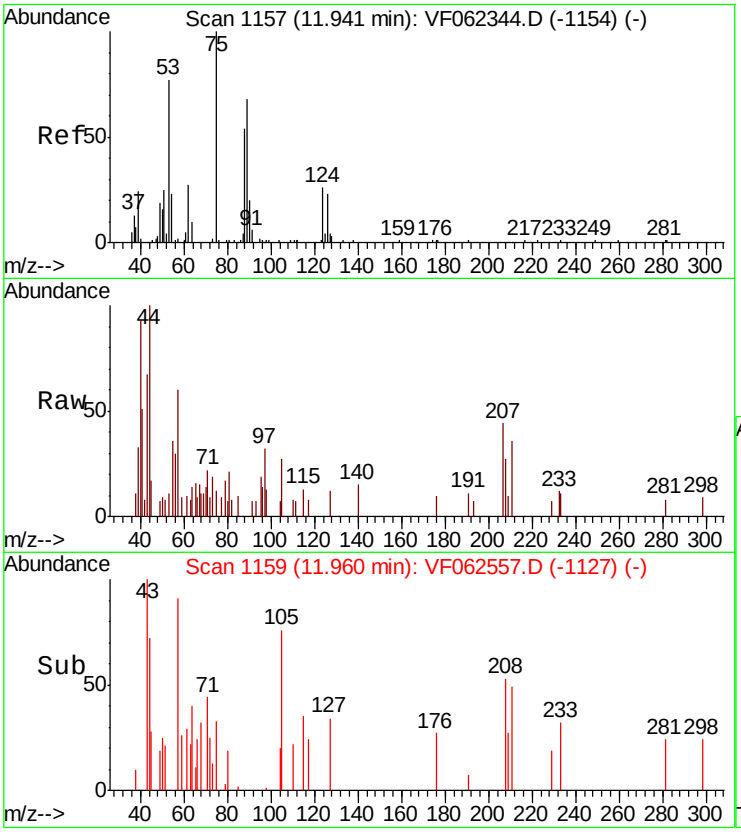


#80
1,3,5-Trimethylbenzene
Concen: 44.123 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion:105 Resp: 114113

Ion	Ratio	Lower	Upper
105	100		
120	56.5	24.6	74.0



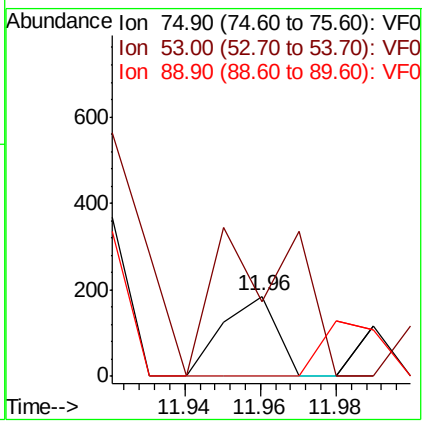


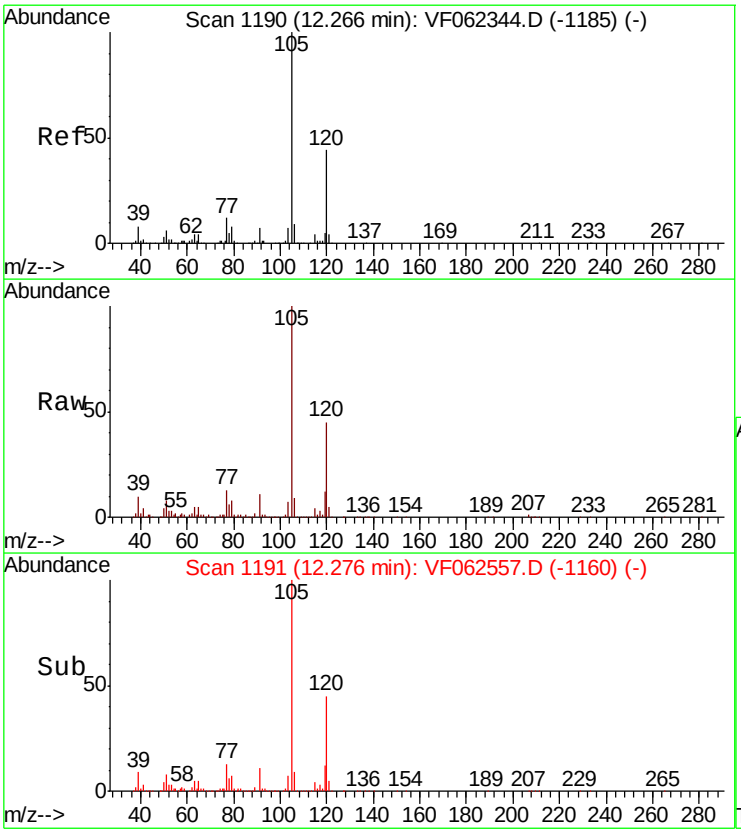
#81
trans-1,4-Dichloro-2-butene
Concen: 1.381 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 75 Resp: 183

Ion	Ratio	Lower	Upper
75	100		
53	275.4	71.9	107.9#
89	0.0	0.0	0.0

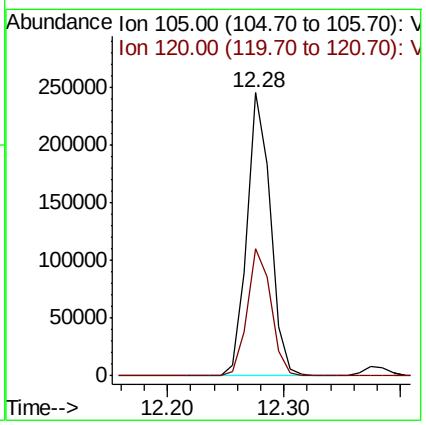


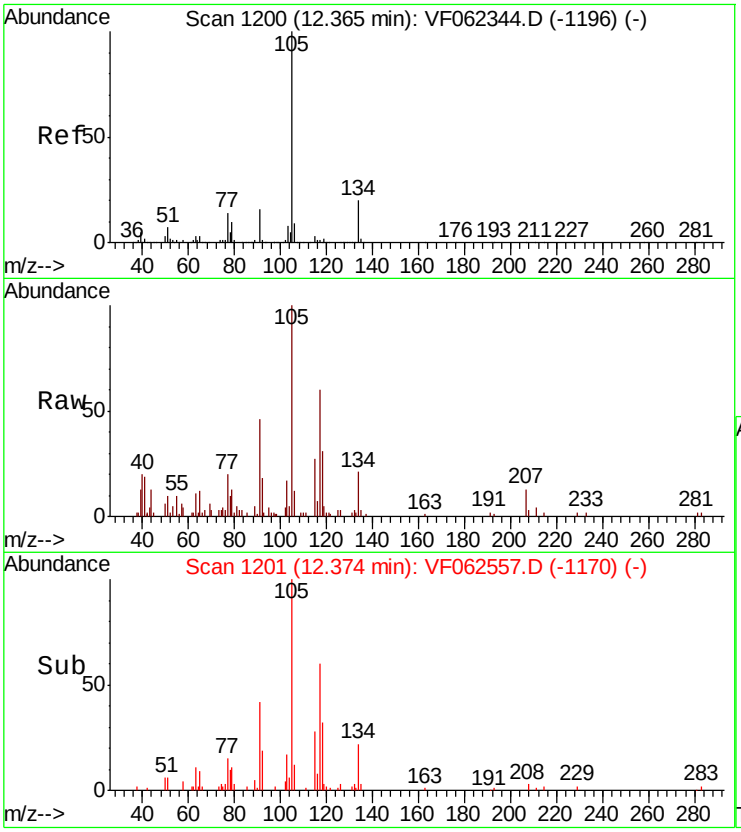


#84
1,2,4-Trimethylbenzene
Concen: 135.245 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. 0.01 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion:105 Resp: 342295

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.7



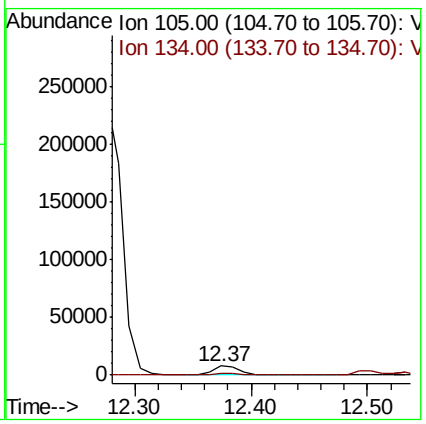


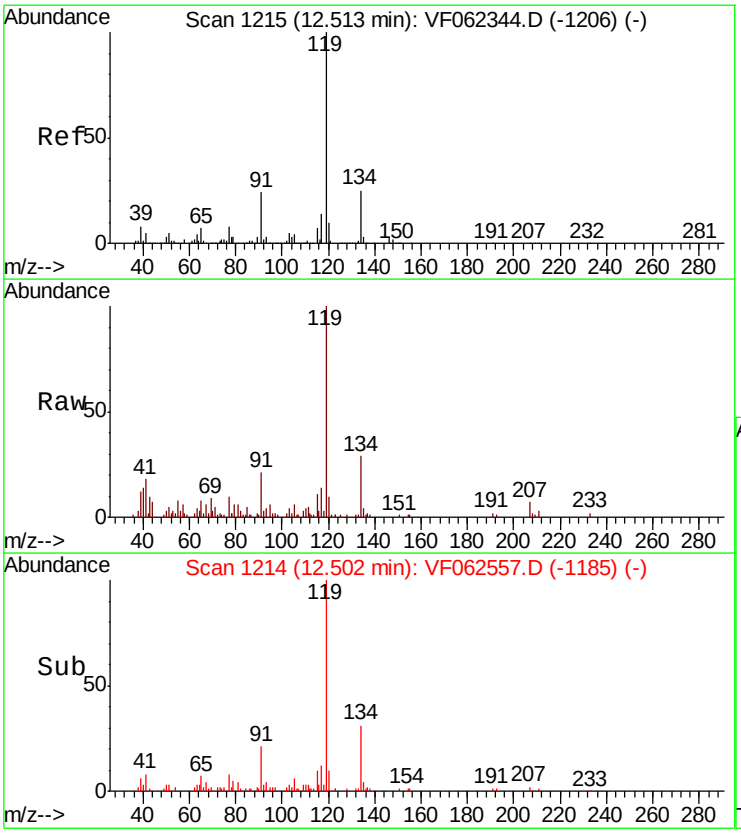
#85
sec-Butylbenzene
Concen: 3.697 ug/l
RT: 12.37 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion:105 Resp: 12232

Ion	Ratio	Lower	Upper
105	100		
134	23.1	9.8	29.5

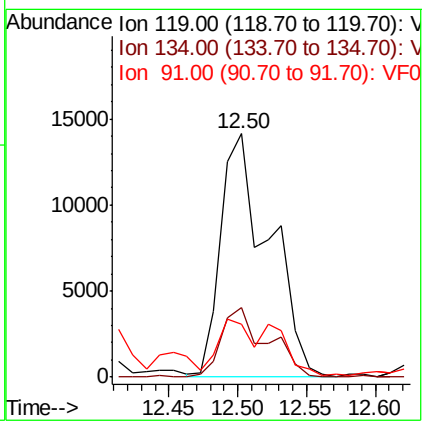


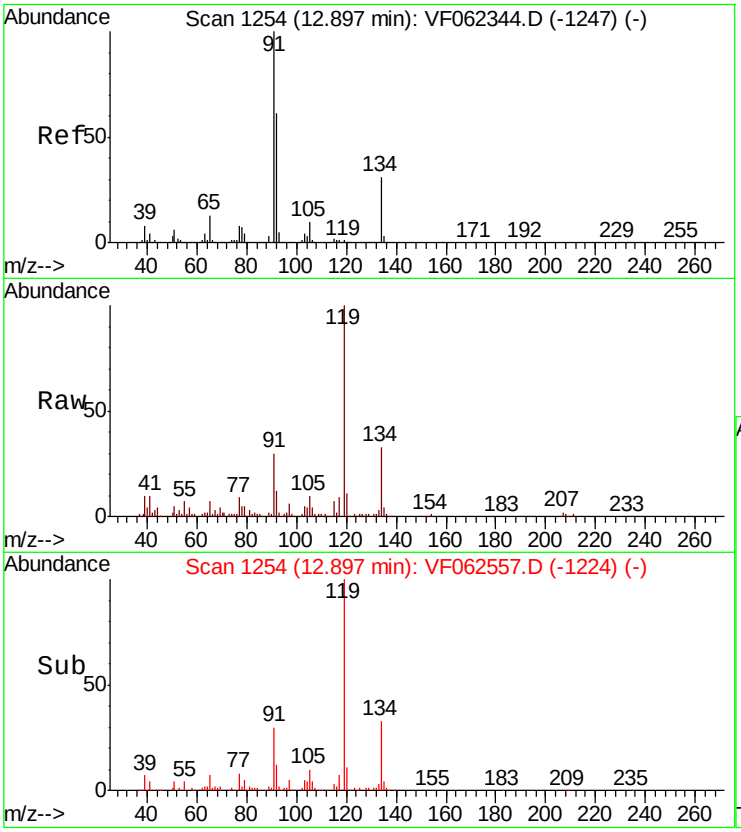


#86
p-Isopropyltoluene
Concen: 11.253 ug/l
RT: 12.50 min Scan# 1214
Delta R.T. -0.01 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion:119 Resp: 34590

Ion	Ratio	Lower	Upper
119	100		
134	26.9	12.9	38.7
91	13.4	12.3	36.8



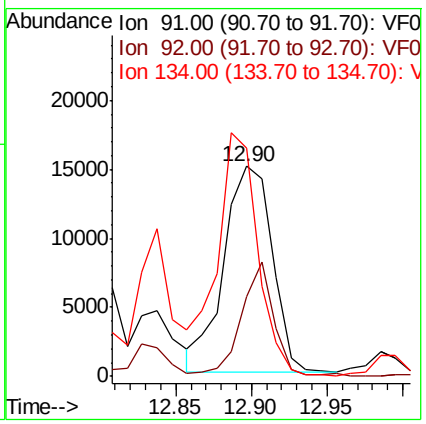


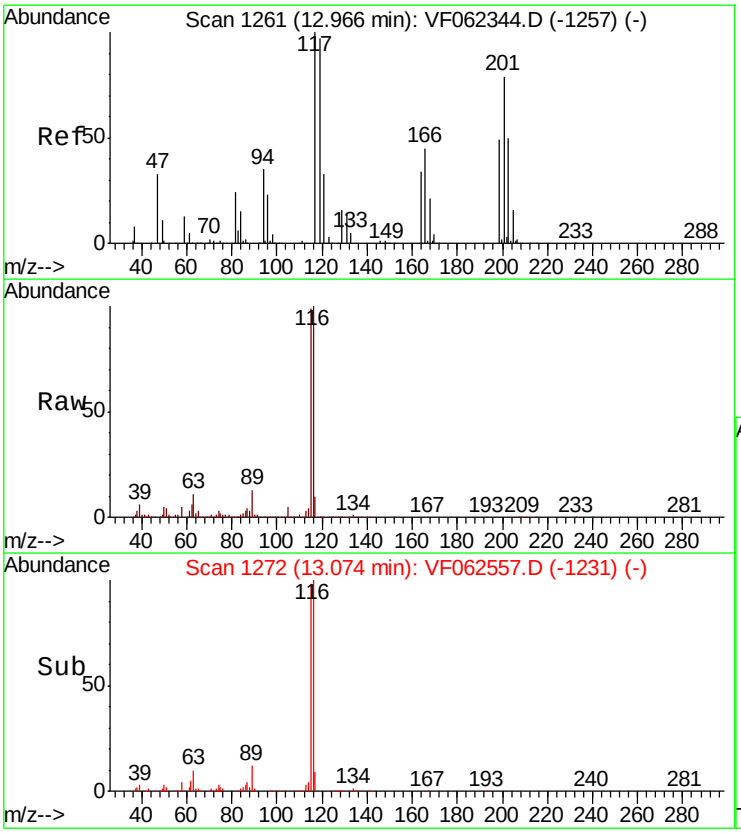
#89
n-Butylbenzene
Concen: 12.221 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument : MSVOA_F
ClientSampleId : OK-03-050919

Tgt Ion: 91 Resp: 33421

Ion	Ratio	Lower	Upper
91	100		
92	37.3	30.0	90.0
134	99.1	14.1	42.4#

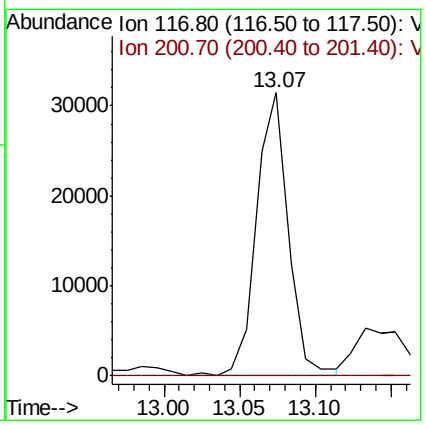


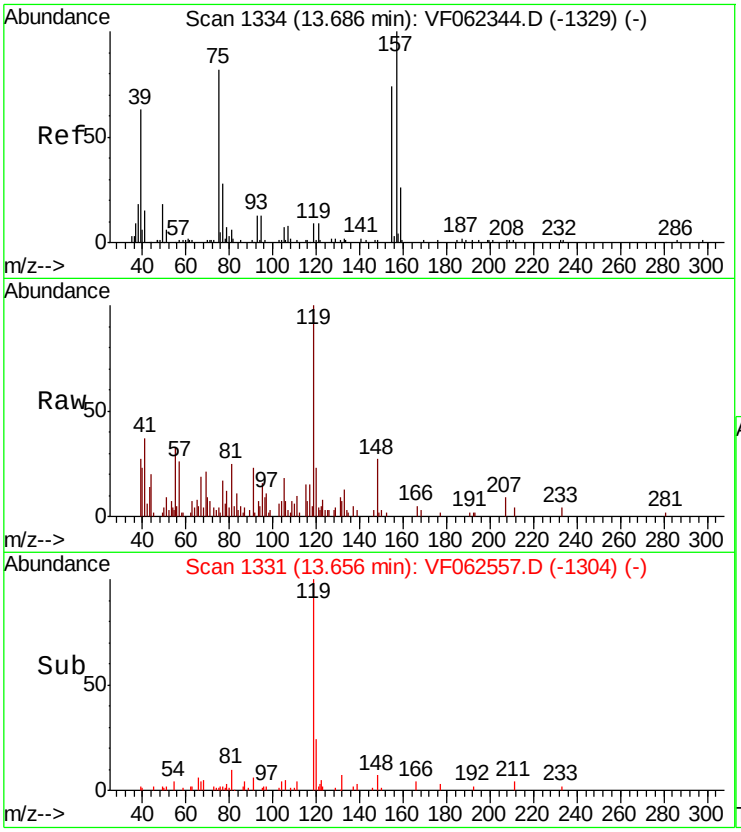


#90
Hexachloroethane
Concen: 60.013 ug/l
RT: 13.07 min Scan# 1272
Delta R.T. 0.11 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion:117 Resp: 46058

Ion	Ratio	Lower	Upper
117	100		
201	0.0	46.2	138.5#



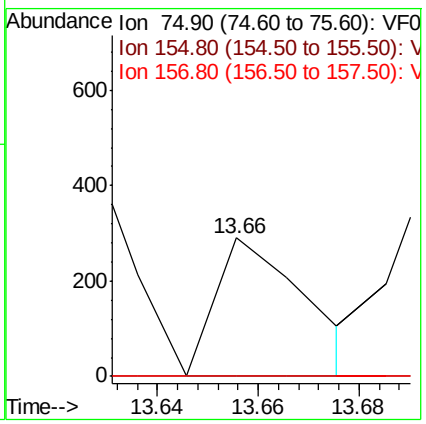


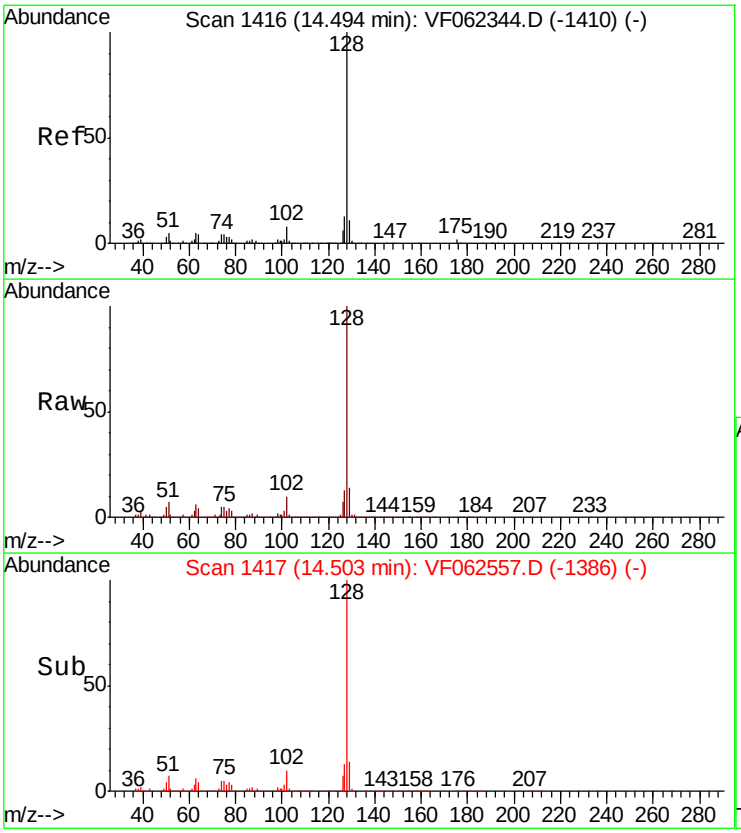
#92
1,2-Dibromo-3-Chloropropane
Concen: 3.440 ug/l
RT: 13.66 min Scan# 1331
Delta R.T. -0.03 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Instrument :
MSVOA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 75 Resp: 356

Ion	Ratio	Lower	Upper
75	100		
155	0.0	51.8	155.4#
157	0.0	67.3	201.8#





#95
Naphthalene
Concen: 1324.407 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062557.D
Acq: 13 May 2019 22:27

Tgt Ion:128 Resp: 2444853

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	13.4	8.6	12.8#