Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\
Data File : VF062456.D
Acq On : 11 May 2019 13:24
Operator : FY/SY
Sample : K2754-02
Misc : 6.63g/5mL/MSVOA_F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId :

Quant Time: May 12 03:45:49 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	5.06	168	324026	50.00 ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	425329	50.00 ug/l	0.01
63) Chlorobenzene-d5	9.91	117	340765	50.00 ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	211765	50.00 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.03	65	148592	48.52 ug/l	0.01
Spiked Amount 50.000			Recovery = 97.04%		
35) Dibromofluoromethane	4.31	113	161812	47.75 ug/l	0.01
Spiked Amount 50.000			Recovery = 95.50%		
50) Toluene-d8	7.72	98	342708	41.78 ug/l	0.01
Spiked Amount 50.000			Recovery = 83.56%		
62) 4-Bromofluorobenzene	11.50	95	164175	44.36 ug/l	0.01
Spiked Amount 50.000			Recovery = 88.72%		
Target Compounds					Qvalue
5) Bromomethane	1.38	94	214	Below Cal	90
11) Tert butyl alcohol	2.70	59	915	5.287 ug/l #	52
13) Acrolein	2.12	56	455	Below Cal #	17
15) Acrylonitrile	3.10	53	687	2.096 ug/l #	52
16) Acetone	2.35	43	13604	21.961 ug/l #	81
18) Methyl Acetate	2.45	43	1644	Below Cal	94
20) Methylene Chloride	2.33	84	15523	6.926 ug/l #	89
25) 2-Butanone	4.53	43	2097	2.695 ug/l #	60
29) Tetrahydrofuran	4.30	42	816	2.281 ug/l #	36
37) Ethyl Acetate	4.30	43	607	Below Cal #	1
38) Carbon Tetrachloride	4.20	117	71	Below Cal #	14
39) Methylcyclohexane	5.79	83	7197	1.964 ug/l #	41
41) Methacrylonitrile	5.00	41	999	1.140 ug/l #	18
43) Isopropyl Acetate	7.13	43	2654	1.597 ug/l #	57
49) 1,4-Dioxane	6.89	88	91	Below Cal #	35
51) 4-Methyl-2-Pentanone	8.41	43	7132	5.663 ug/l	91
56) Ethyl methacrylate	8.76	69	2140	1.287 ug/l #	69
59) 2-Hexanone	9.63	43	7014	8.053 ug/l	90
74) N-amyl acetate	11.45	43	7114	2.639 ug/l #	76
81) trans-1,4-Dichloro-2-buten	11.96	75	945	1.676 ug/l #	5
95) Naphthalene	14.50	128	13256	1.688 ug/l #	95

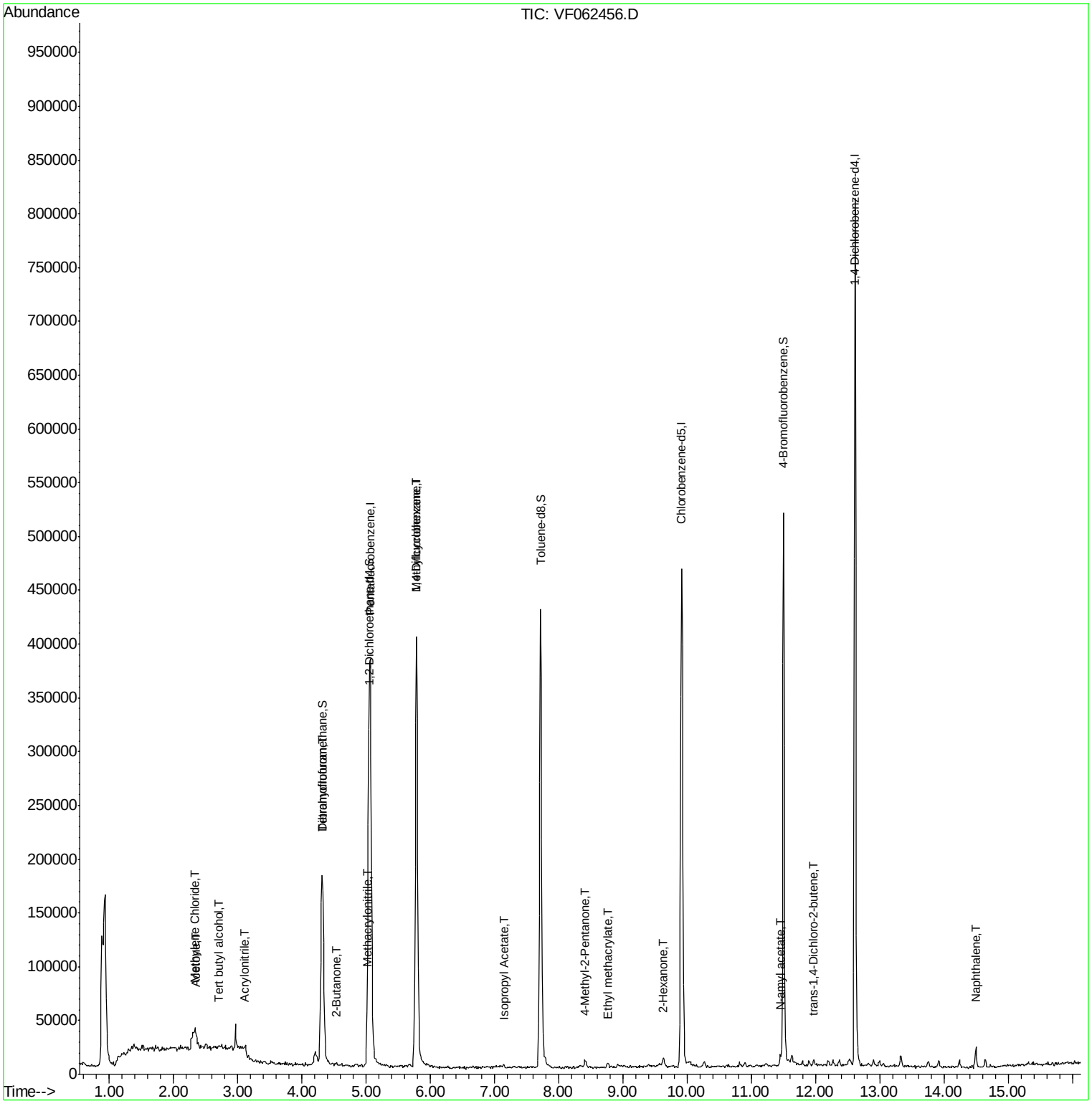
(#) = qualifier out of range (m) = manual integration (+) = signals summed

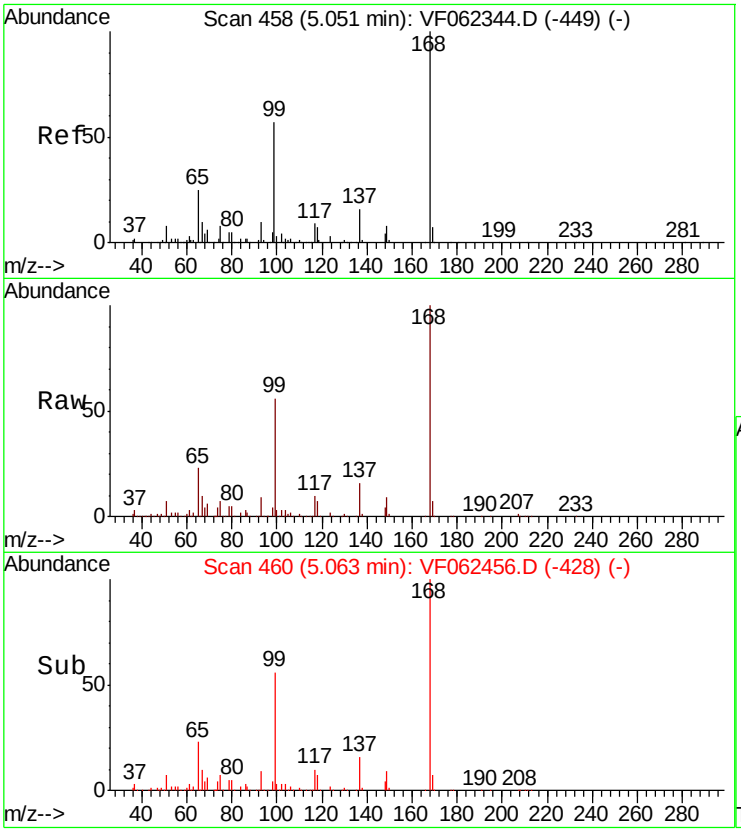
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\
Data File : VF062456.D
Acq On : 11 May 2019 13:24
Operator : FY/SY
Sample : K2754-02
Misc : 6.63g/5mL/MSVOA_F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: May 12 03:45:49 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



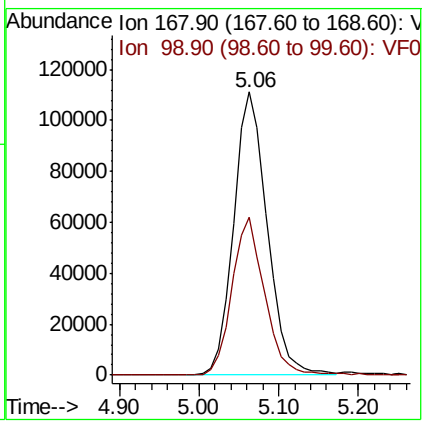


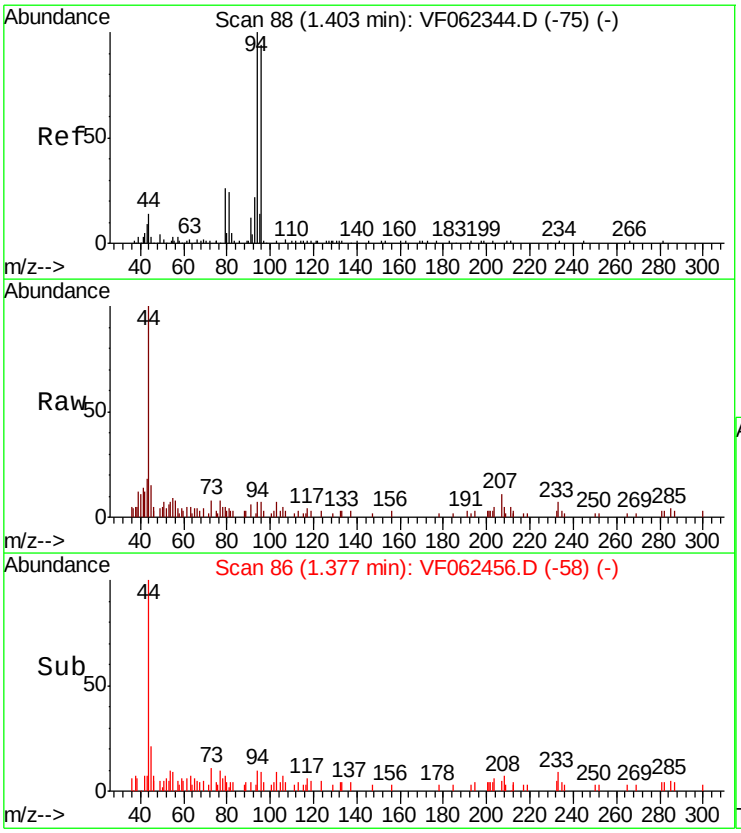
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.06 min Scan# 460
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 324026

Ion	Ratio	Lower	Upper
168	100		
99	55.8	45.9	68.9

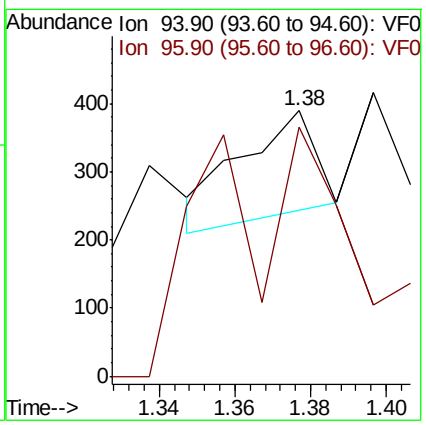


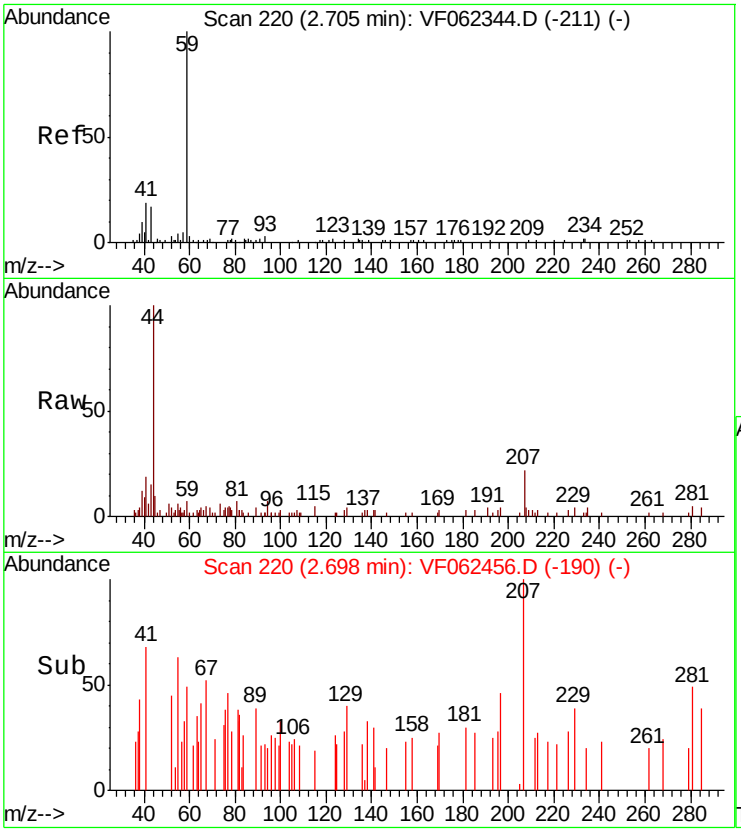


#5
Bromomethane
Concen: Below Cal
RT: 1.38 min Scan# 86
Delta R.T. -0.03 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 94 Resp: 214

Ion	Ratio	Lower	Upper
94	100		
96	84.6	75.4	113.2



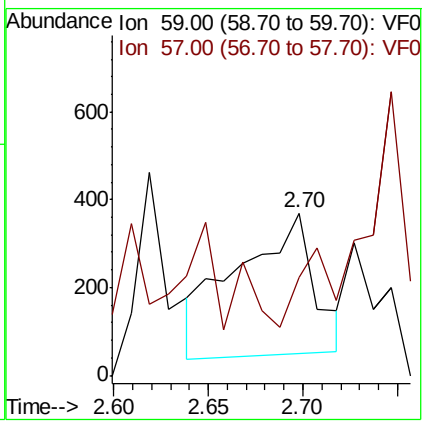


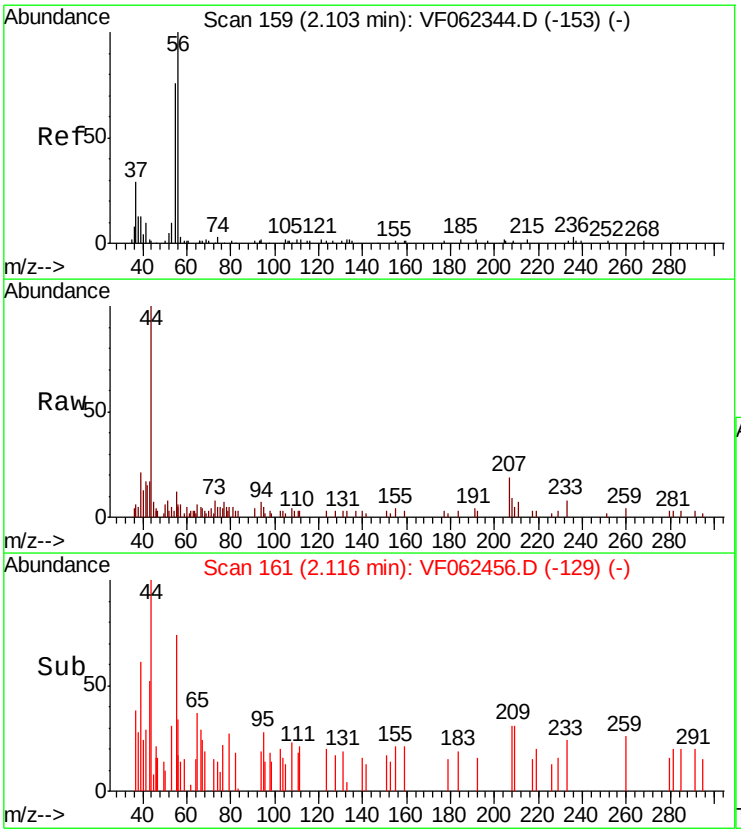
#11
Tert butyl alcohol
Concen: 5.287 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 59 Resp: 915

Ion	Ratio	Lower	Upper
59	100		
57	30.1	9.3	13.9#

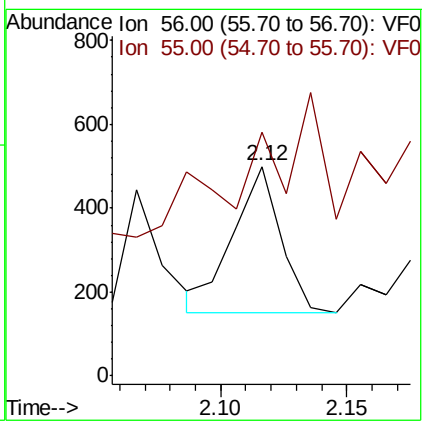


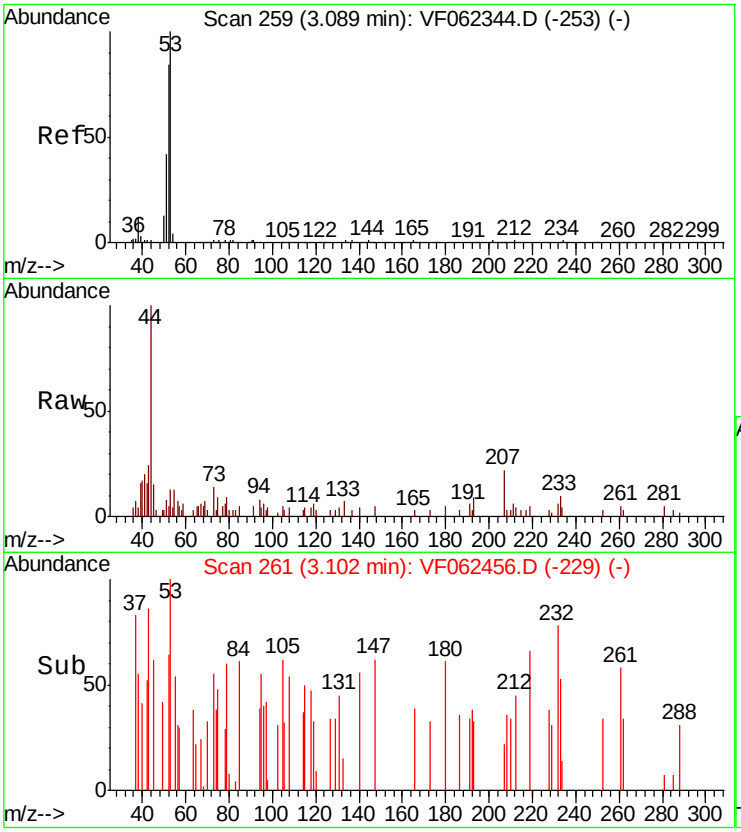


#13
Acrolein
Concen: Below Cal
RT: 2.12 min Scan# 161
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 56 Resp: 455

Ion	Ratio	Lower	Upper
56	100		
55	142.6	58.4	87.6#



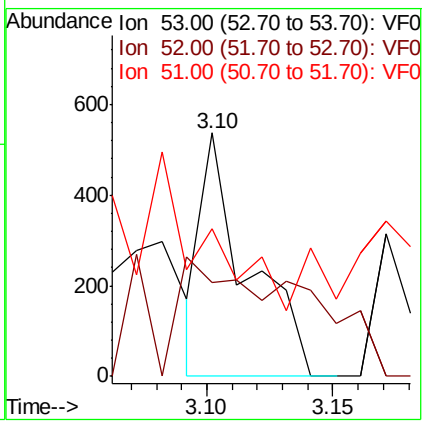


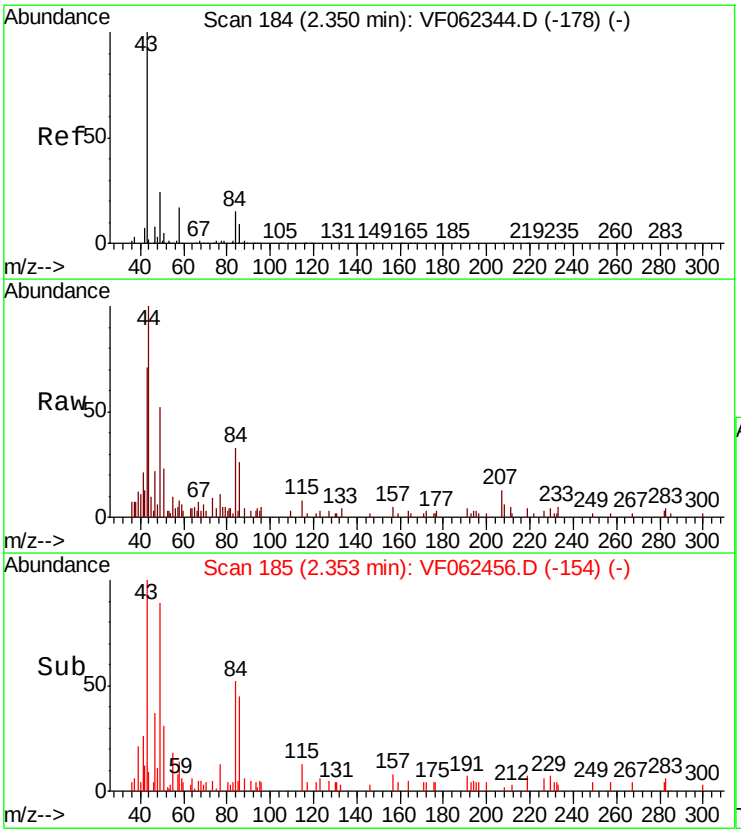
#15
Acrylonitrile
Concen: 2.096 ug/l
RT: 3.10 min Scan# 261
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 53 Resp: 687

Ion	Ratio	Lower	Upper
53	100		
52	130.6	77.2	115.8#
51	0.0	40.6	61.0#

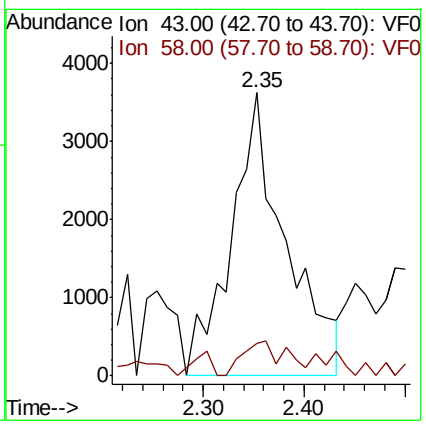


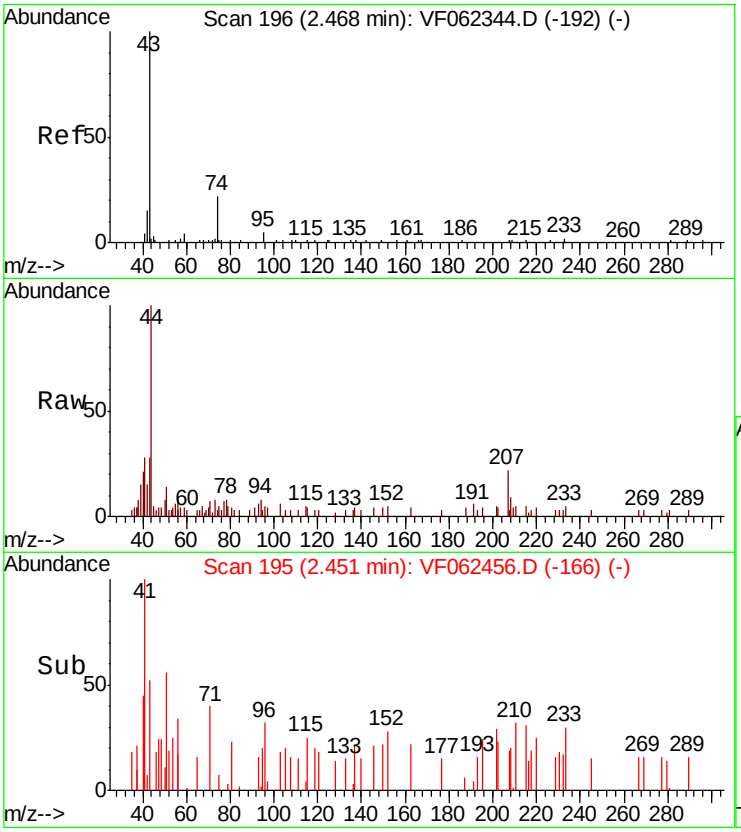


#16
Acetone
Concen: 21.961 ug/l
RT: 2.35 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 43 Resp: 13604

Ion	Ratio	Lower	Upper
43	100		
58	8.3	13.1	19.7#



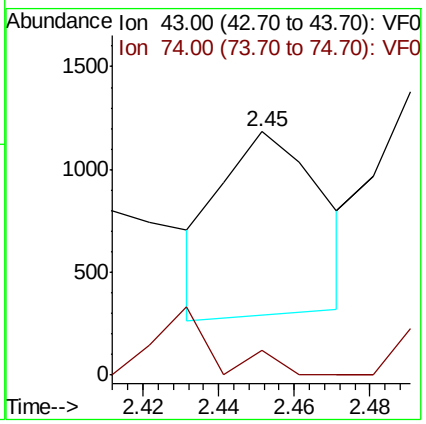


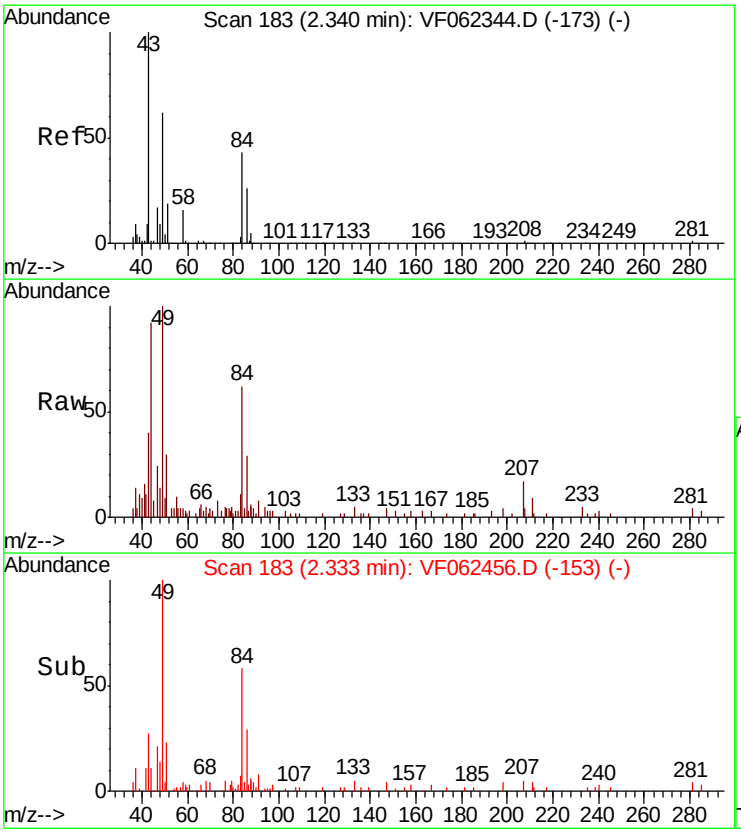
#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 1644

Ion	Ratio	Lower	Upper
43	100		
74	21.6	15.0	22.4

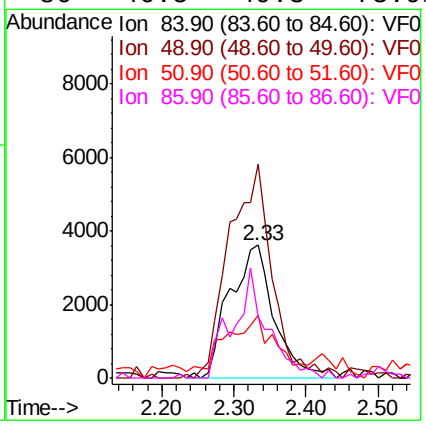


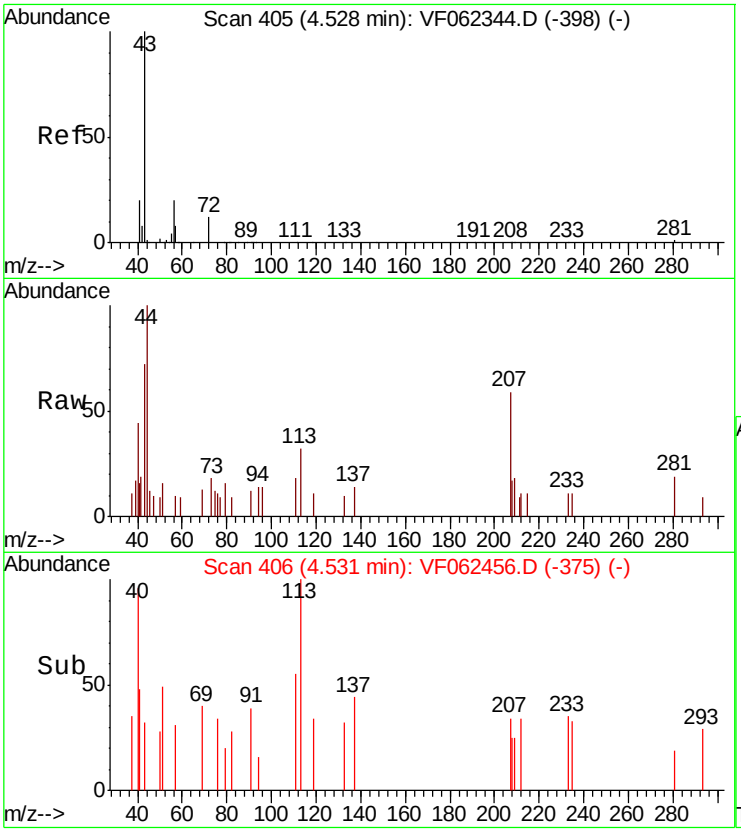


#20
Methylene Chloride
Concen: 6.926 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 84 Resp: 15523

Ion	Ratio	Lower	Upper
84	100		
49	157.6	117.5	176.3
51	42.6	37.0	55.4
86	46.5	49.3	73.9#



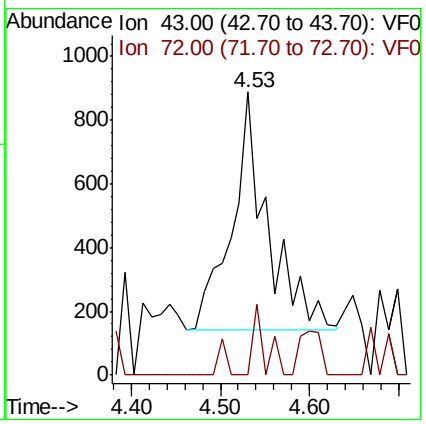


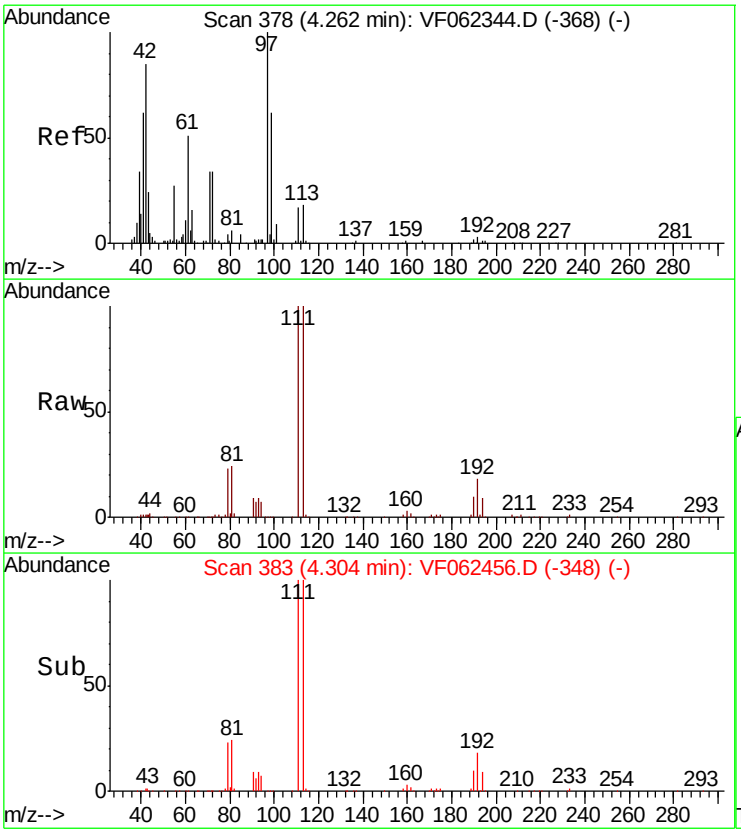
#25
2-Butanone
Concen: 2.695 ug/l
RT: 4.53 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 2097

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.2	21.4#

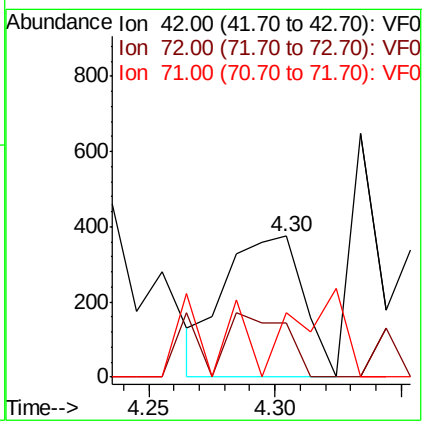


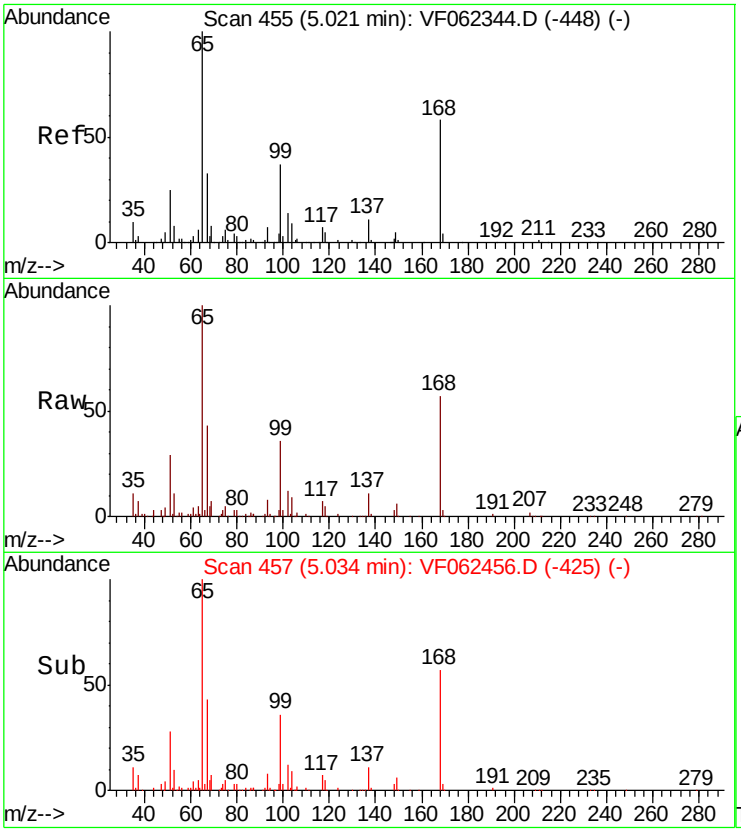


#29
Tetrahydrofuran
Concen: 2.281 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.04 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 42 Resp: 816

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	0.0	31.7	47.5#



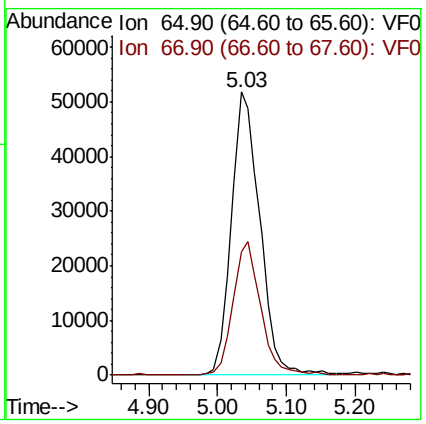


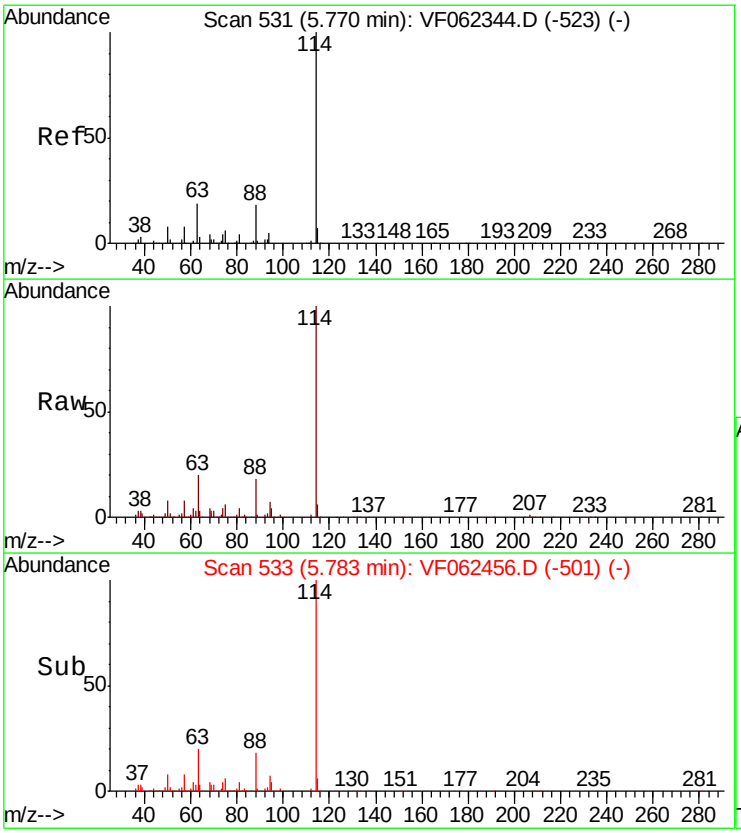
#33
1,2-Dichloroethane-d4
Concen: 48.525 ug/l
RT: 5.03 min Scan# 457
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 65 Resp: 148592

Ion	Ratio	Lower	Upper
65	100		
67	45.9	0.0	85.8

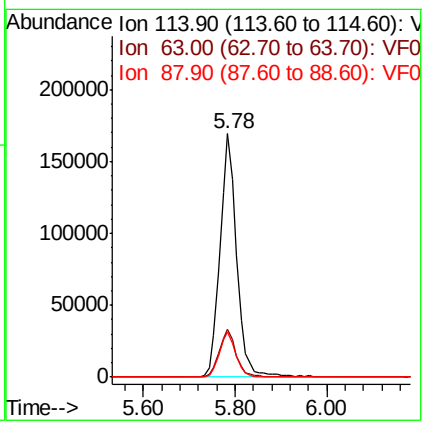


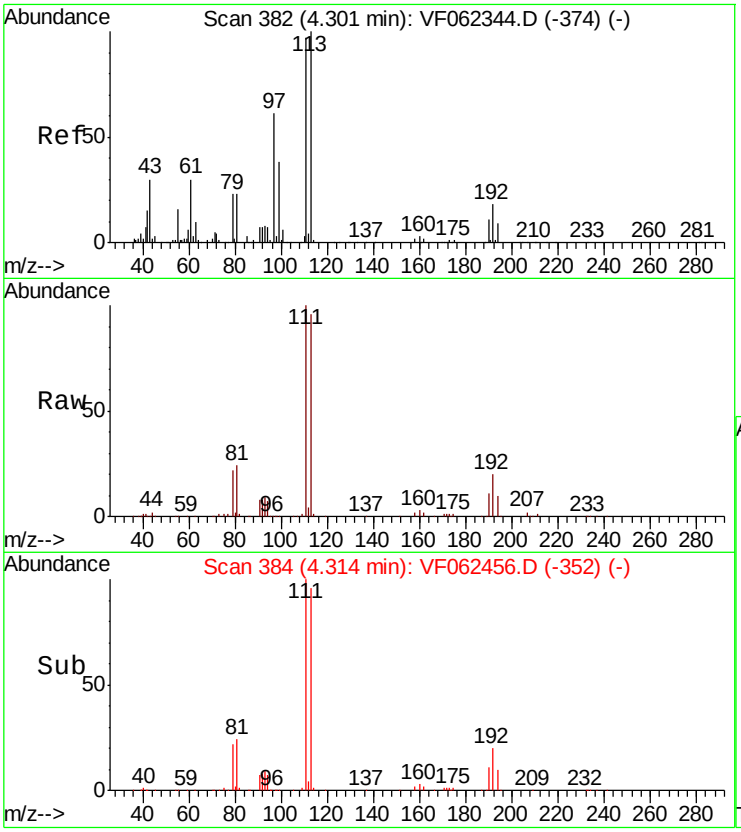


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 533
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion:114 Resp: 425329

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	37.4
88	18.5	0.0	36.4



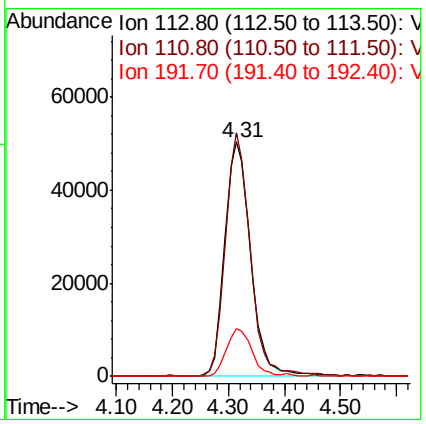


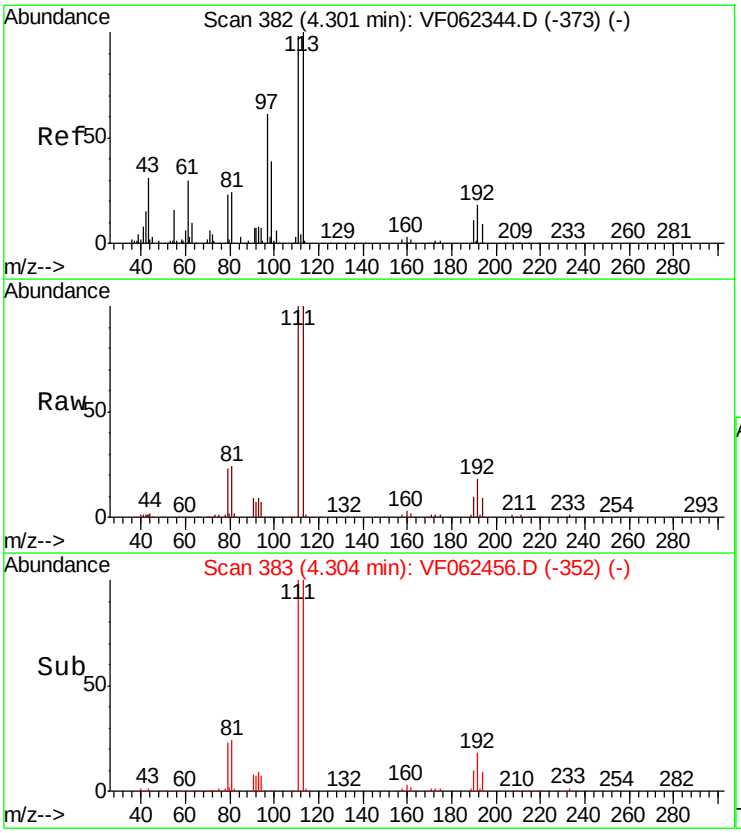
#35
Dibromofluoromethane
Concen: 47.753 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:113 Resp: 161812

Ion	Ratio	Lower	Upper
113	100		
111	100.0	79.4	119.0
192	19.8	16.0	24.0

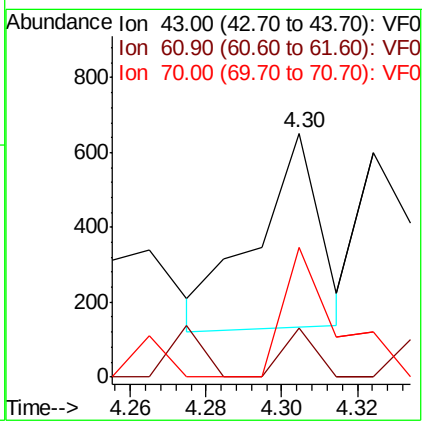


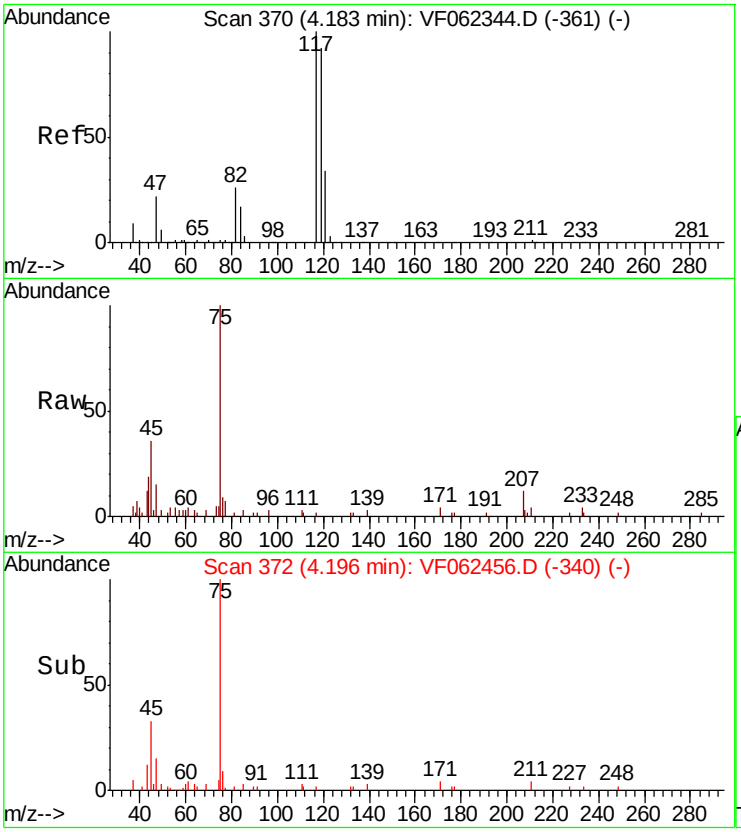


#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 43 Resp: 607

Ion	Ratio	Lower	Upper
43	100		
61	12.5	0.0	0.0#
70	56.0	8.2	12.2#



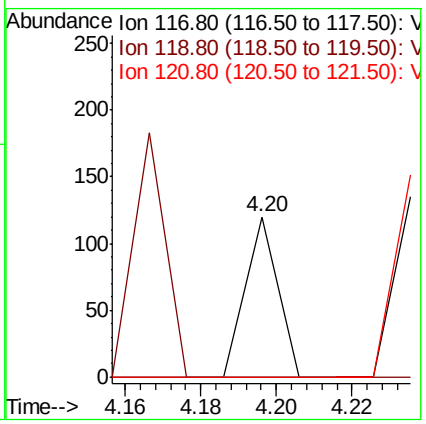


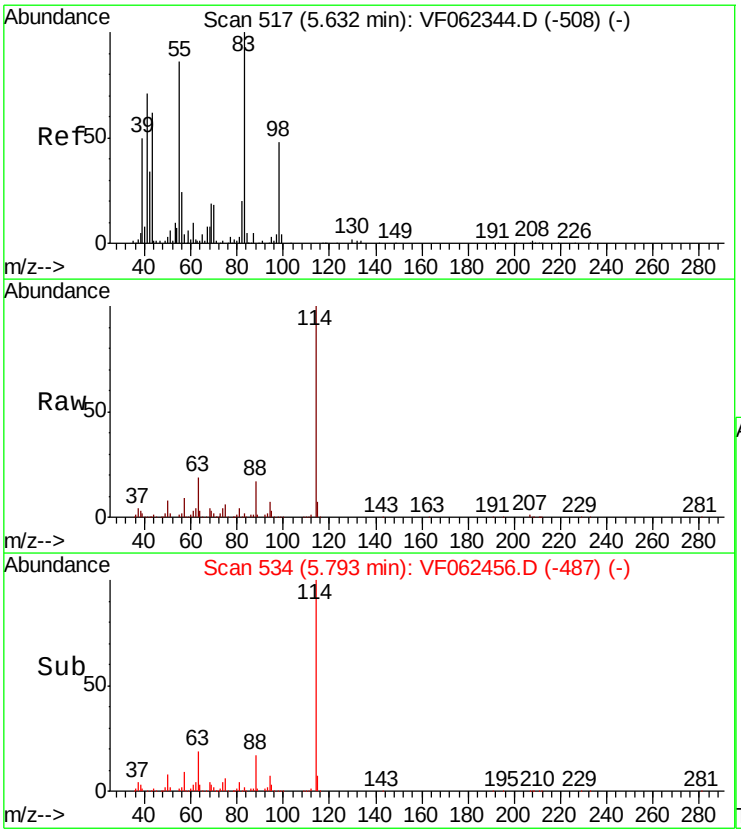
#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 71

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

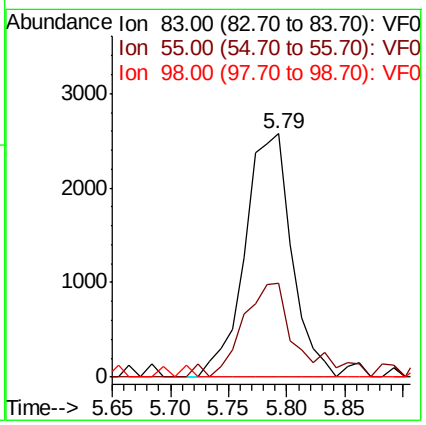


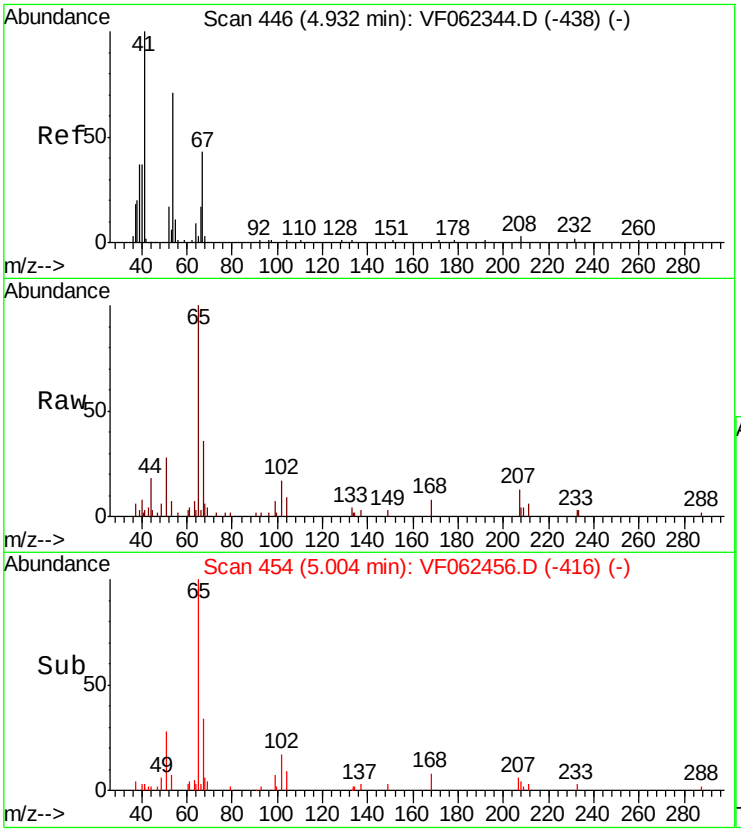


#39
Methylcyclohexane
Concen: 1.964 ug/l
RT: 5.79 min Scan# 534
Delta R.T. 0.16 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 83 Resp: 7197

Ion	Ratio	Lower	Upper
83	100		
55	38.4	69.0	103.6#
98	0.0	38.6	58.0#



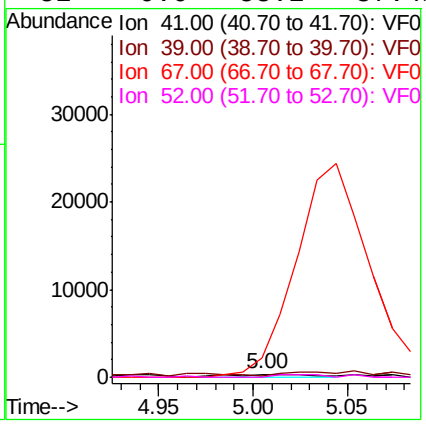


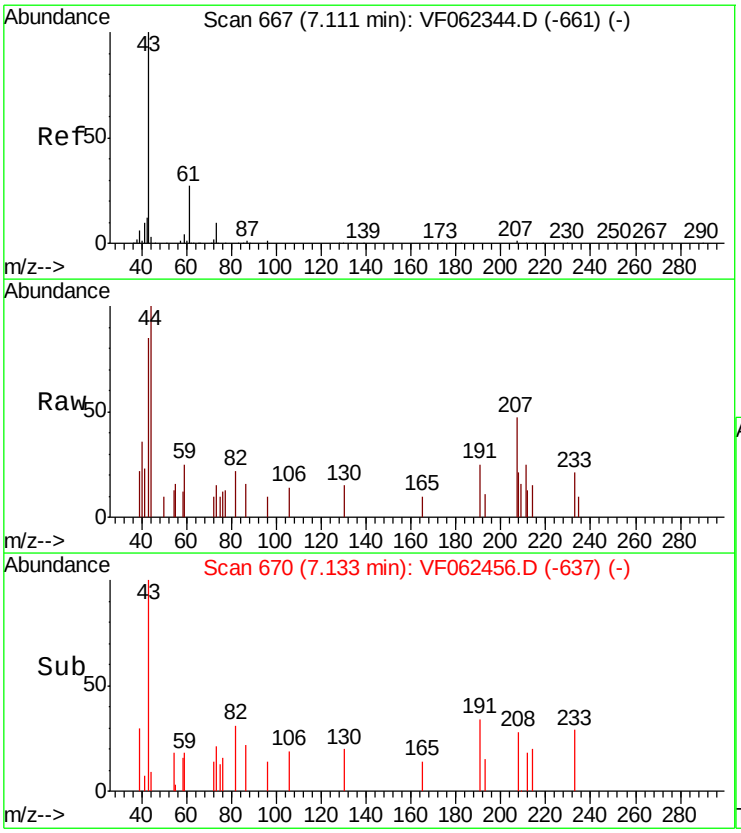
#41
Methacrylonitrile
Concen: 1.140 ug/l
RT: 5.00 min Scan# 454
Delta R.T. 0.07 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 41 Resp: 999

Ion	Ratio	Lower	Upper
41	100		
39	0.0	54.3	81.5#
67	0.0	37.8	56.8#
52	0.0	58.2	87.4#

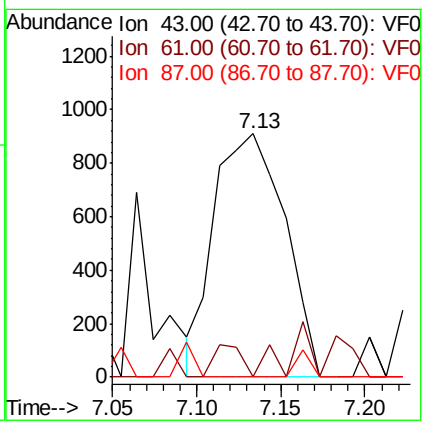


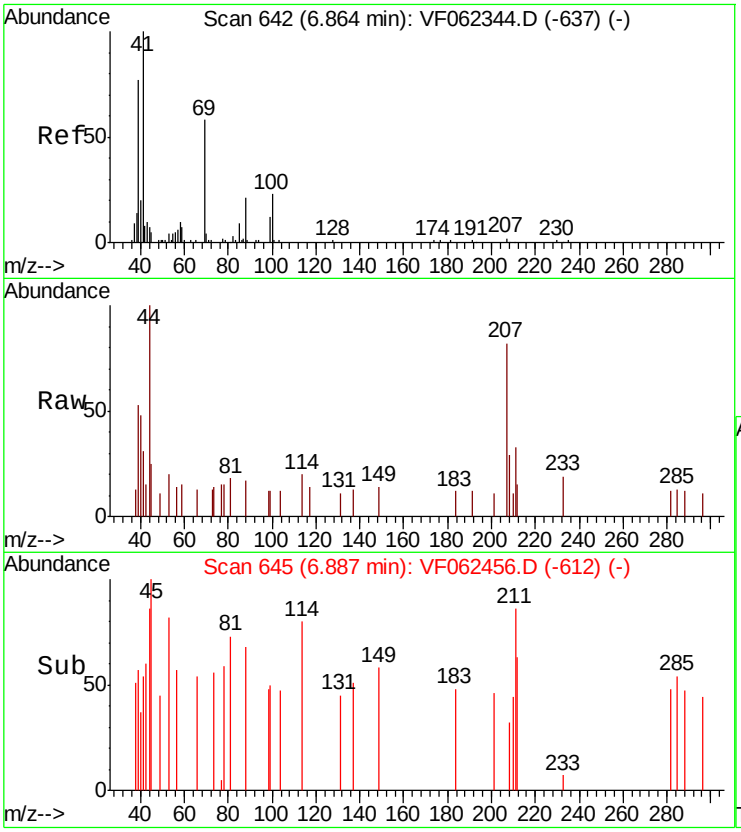


#43
Isopropyl Acetate
Concen: 1.597 ug/l
RT: 7.13 min Scan# 670
Delta R.T. 0.02 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 43 Resp: 2654

Ion	Ratio	Lower	Upper
43	100		
61	5.2	22.8	34.2#
87	0.0	0.6	1.0#



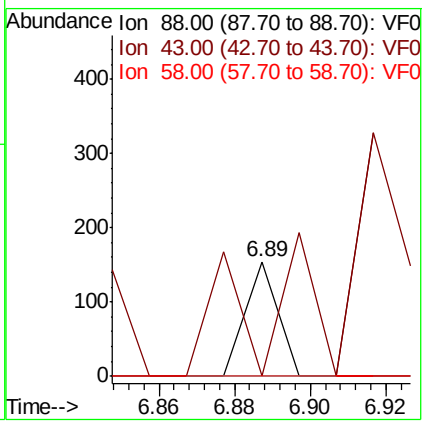


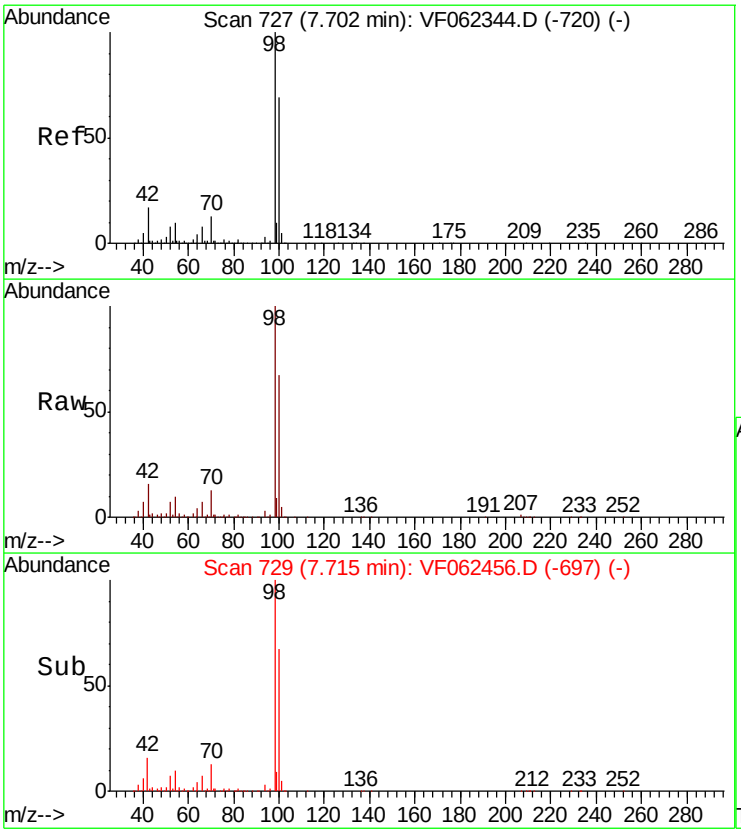
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.89 min Scan# 645
Delta R.T. 0.02 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 88 Resp: 91

Ion	Ratio	Lower	Upper
88	100		
43	108.8	55.6	83.4#
58	0.0	52.8	79.2#

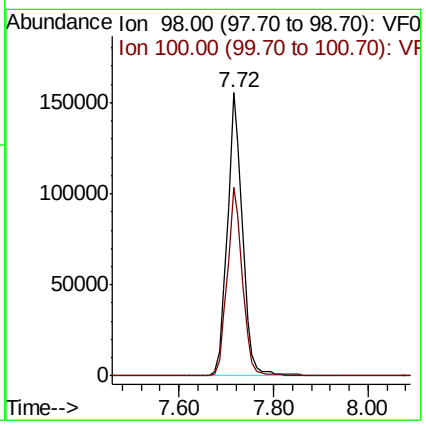


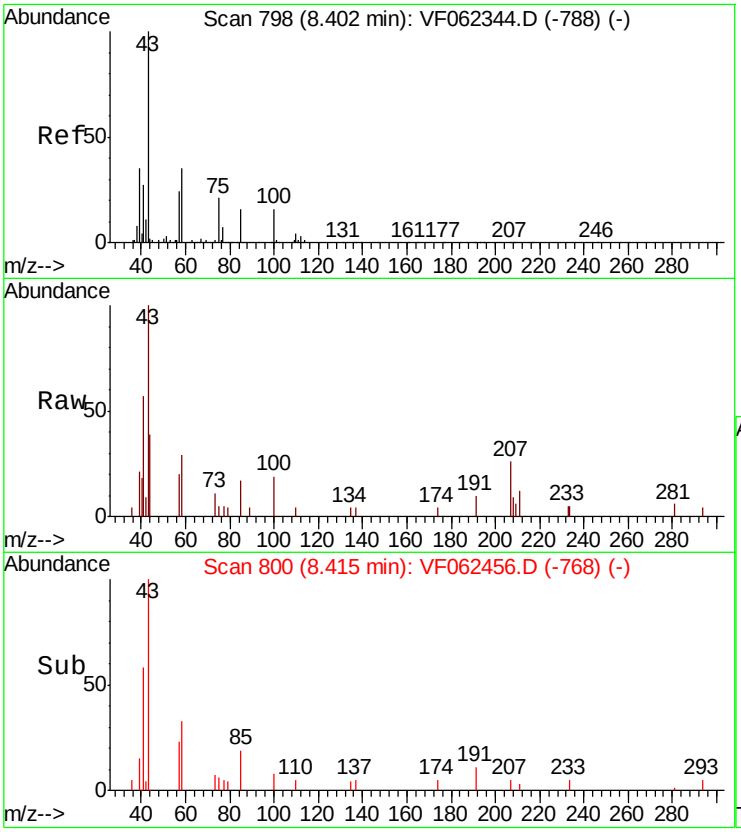


#50
Toluene-d8
Concen: 41.781 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 98 Resp: 342708

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.3	79.9



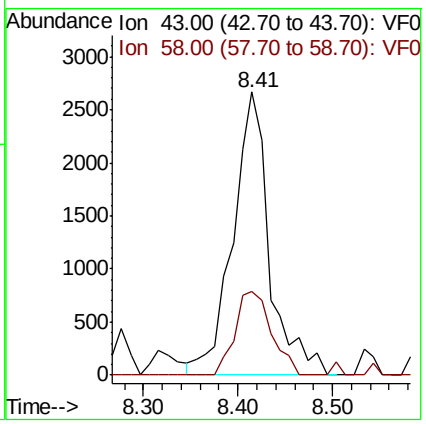


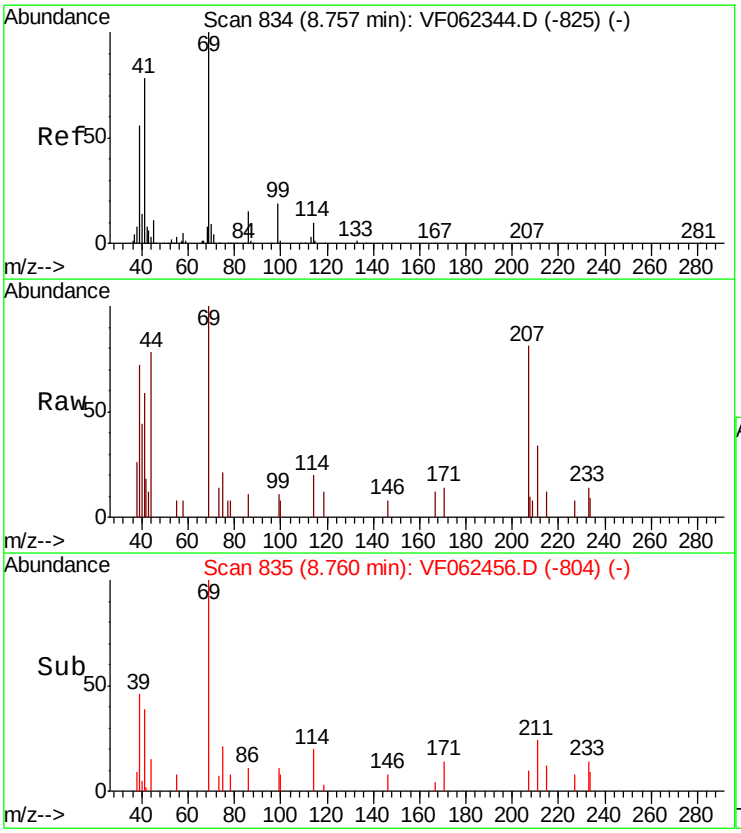
#51
4-Methyl-2-Pentanone
Concen: 5.663 ug/l
RT: 8.41 min Scan# 800
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 7132

Ion	Ratio	Lower	Upper
43	100		
58	29.3	27.8	41.6

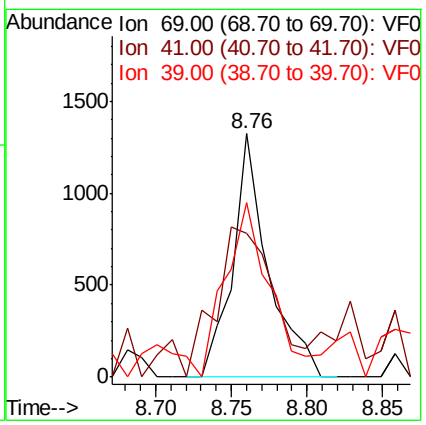


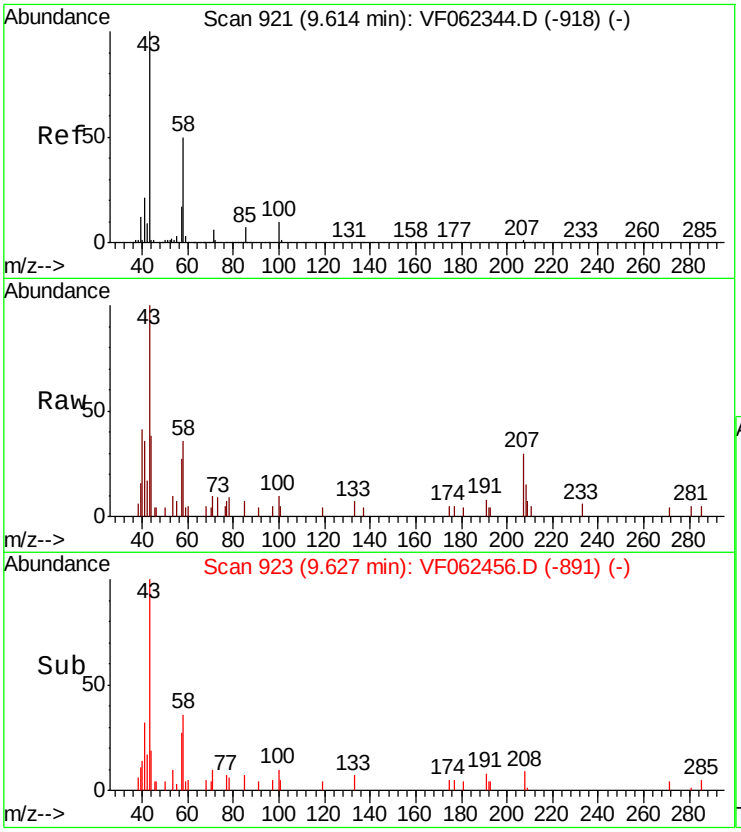


#56
Ethyl methacrylate
Concen: 1.287 ug/l
RT: 8.76 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 69 Resp: 2140

Ion	Ratio	Lower	Upper
69	100		
41	107.6	66.3	99.5#
39	90.2	50.1	75.1#



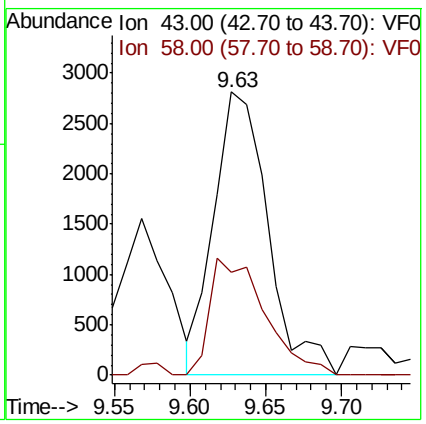


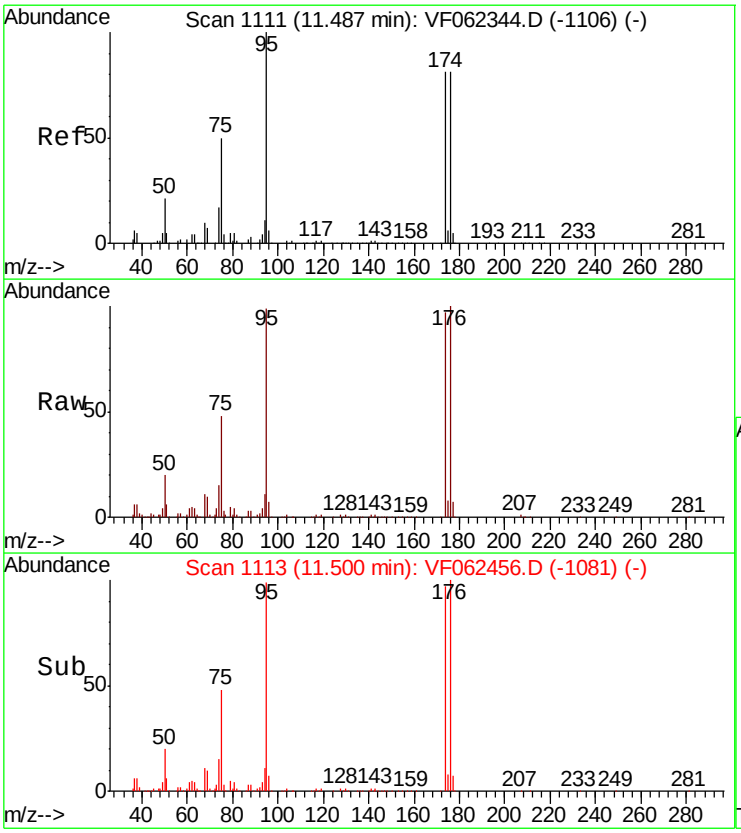
#59
2-Hexanone
Concen: 8.053 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 7014

Ion	Ratio	Lower	Upper
43	100		
58	42.0	24.3	73.0

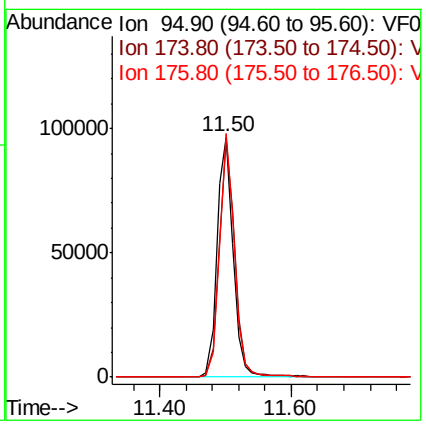


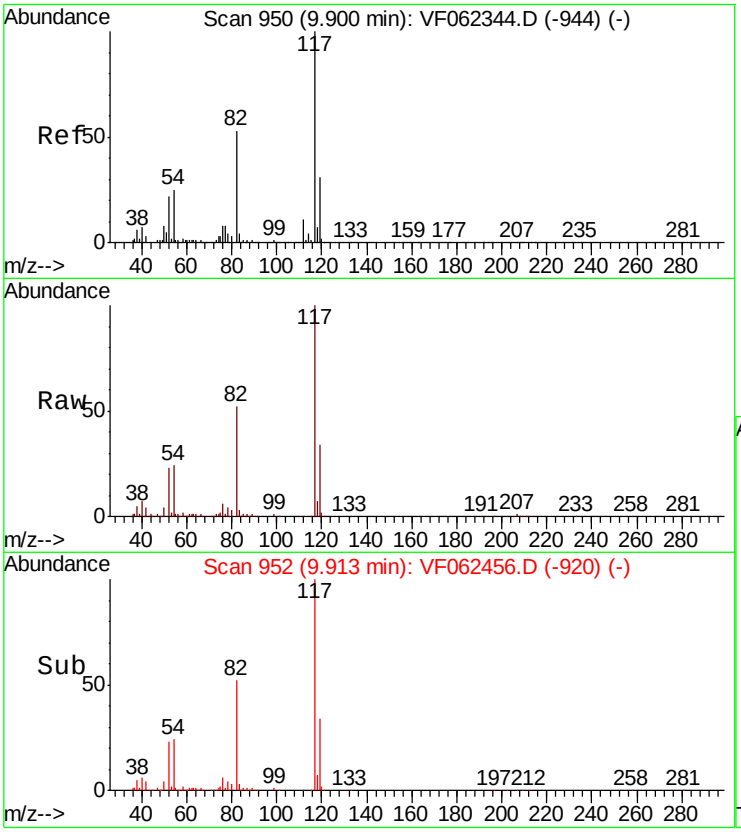


#62
4-Bromofluorobenzene
Concen: 44.364 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 95 Resp: 164175

Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	191.8
176	94.6	0.0	193.2



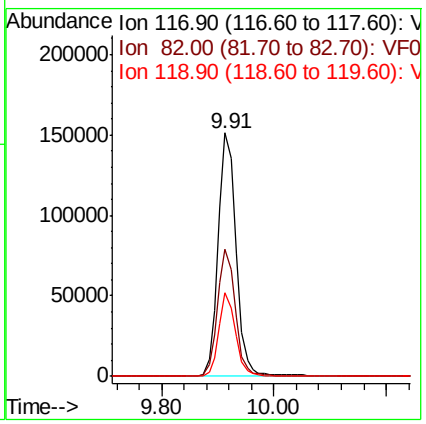


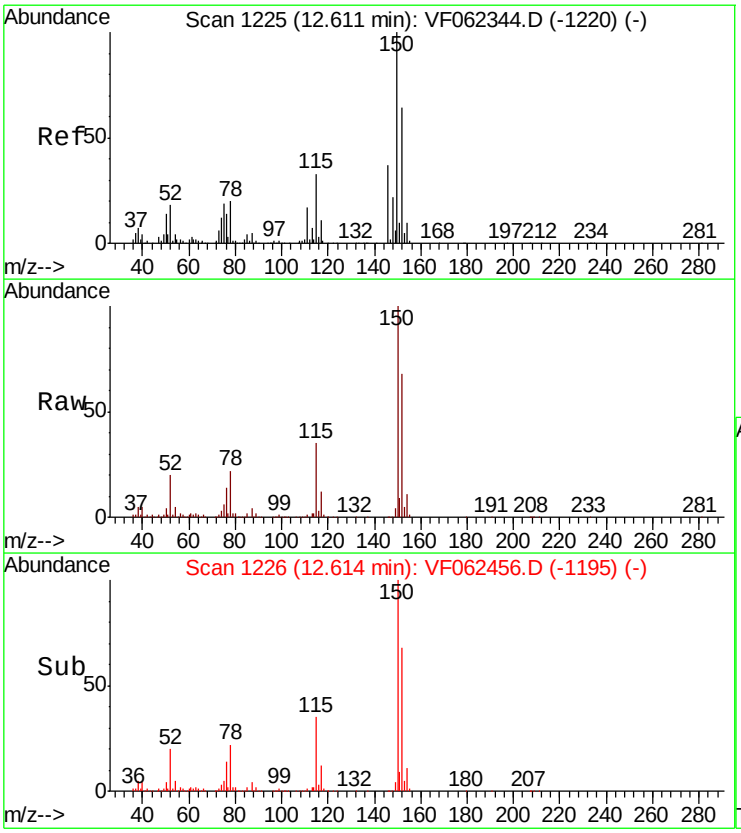
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion:117 Resp: 340765

Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.2	63.2
119	34.2	25.0	37.4

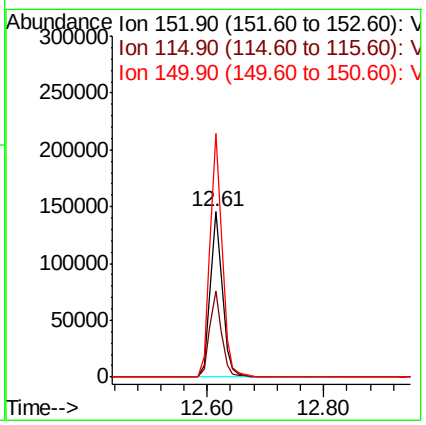


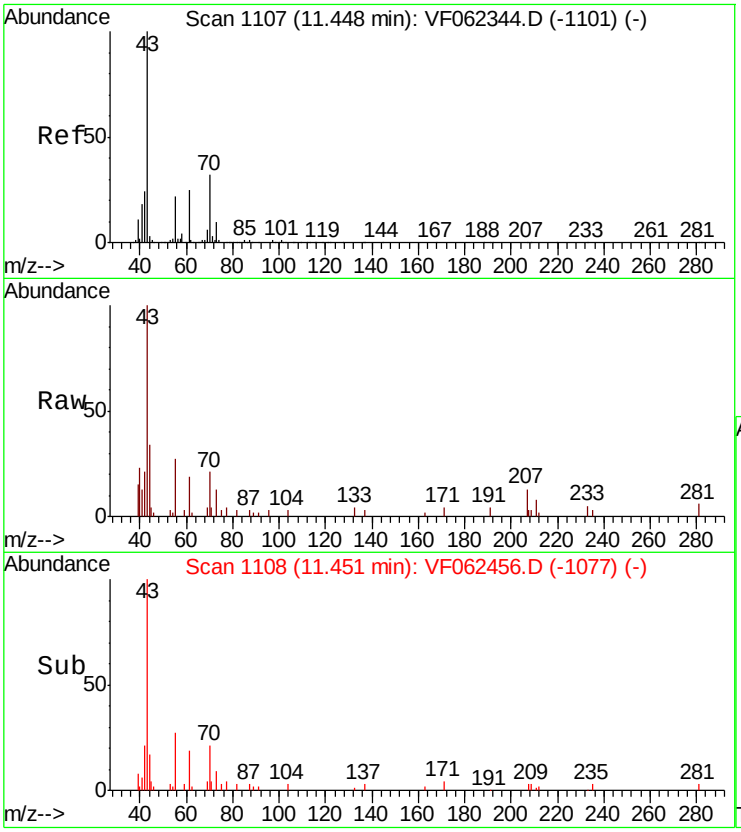


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion:152 Resp: 211765

Ion	Ratio	Lower	Upper
152	100		
115	51.7	26.4	79.2
150	148.3	0.0	335.0



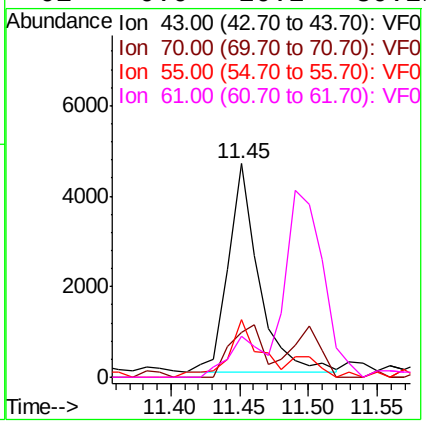


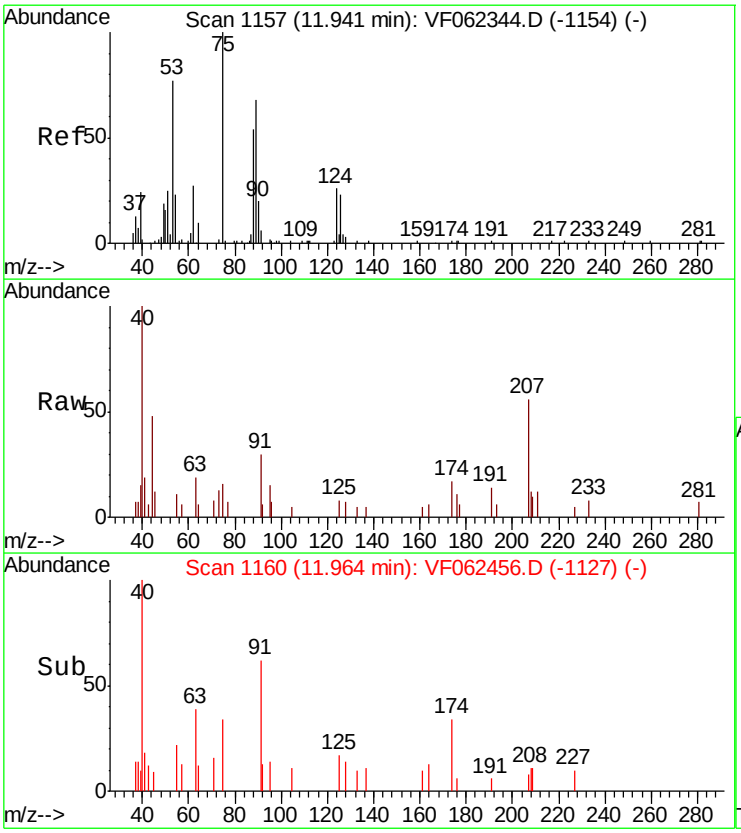
#74
N-amyl acetate
Concen: 2.639 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument : MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 7114

Ion	Ratio	Lower	Upper
43	100		
70	25.9	26.5	39.7#
55	27.5	17.8	26.6#
61	0.0	20.2	30.2#

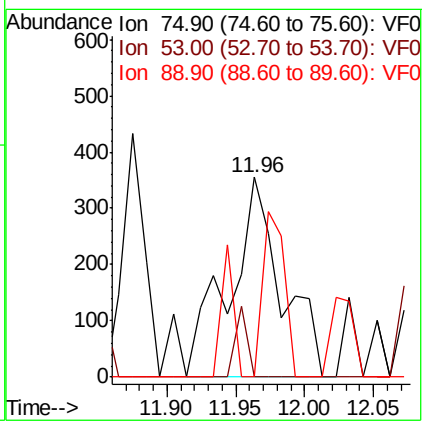


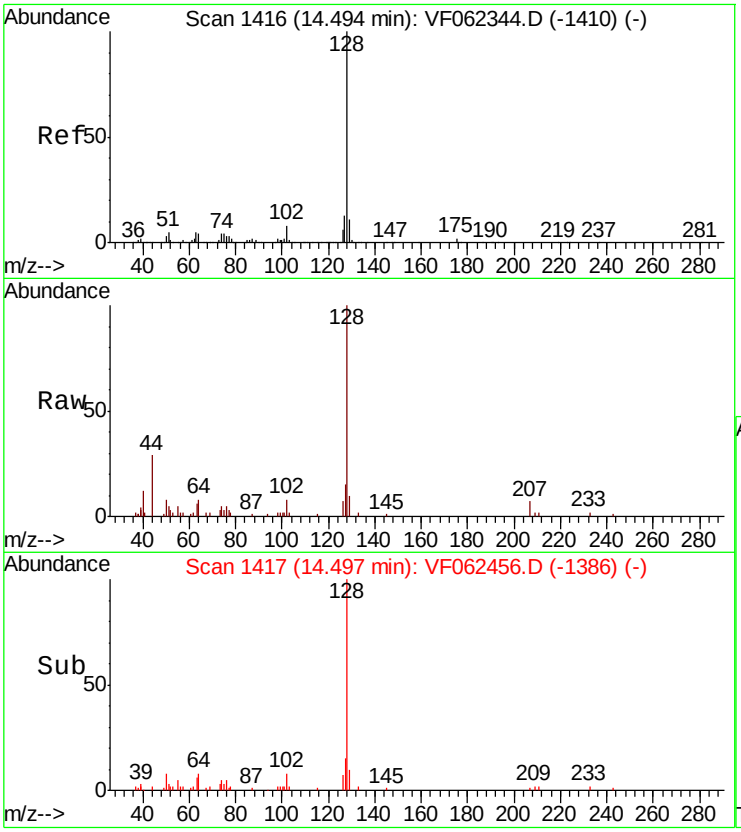


#81
trans-1,4-Dichloro-2-butene
Concen: 1.676 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. 0.02 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Tgt Ion: 75 Resp: 945

Ion	Ratio	Lower	Upper
75	100		
53	0.0	71.9	107.9#
89	34.1	0.0	0.0#





#95
Naphthalene
Concen: 1.688 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062456.D
Acq: 11 May 2019 13:24

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 13256

Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.5	15.7#
129	11.9	8.6	12.8