Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\

Quantitation Report (QT Reviewed)

Data File : VF062452.D
Acq On : 11 May 2019 10:42
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

Quant Time: May 12 04:03:15 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	352422	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	5.78	114	450501	50.00	ug/l		0.00
63) Chlorobenzene-d5	9.92	117	410972	50.00	ug/l		0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	242849	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.04	65	175145	52.59	ug/l		0.02
Spiked Amount 50.000			Recovery = 105.18%				
35) Dibromofluoromethane	4.31	113	192190	53.55	ug/l		0.00
Spiked Amount 50.000			Recovery = 107.10%				
50) Toluene-d8	7.71	98	476003	54.79	ug/l		0.00
Spiked Amount 50.000			Recovery = 109.58%				
62) 4-Bromofluorobenzene	11.50	95	210511	53.71	ug/l		0.00
Spiked Amount 50.000			Recovery = 107.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.01	85	180496	44.253	ug/l		94
3) Chloromethane	1.15	50	115831	43.059	ug/l		92
4) Vinyl Chloride	1.19	62	119486	44.532	ug/l		95
5) Bromomethane	1.38	94	102865	50.850	ug/l		97
6) Chloroethane	1.44	64	64939	48.139	ug/l		100
7) Trichlorofluoromethane	1.55	101	297717	53.478	ug/l		98
8) Diethyl Ether	1.71	74	41358	49.098	ug/l		93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	163607	51.476	ug/l		99
10) Methyl Iodide	1.99	142	272370	52.002	ug/l		100
11) Tert butyl alcohol	2.69	59	43397	230.550	ug/l		98
12) 1,1-Dichloroethene	1.87	96	127194	47.074	ug/l		93
13) Acrolein	2.10	56	35480	310.008	ug/l	#	82
14) Allyl chloride	2.20	41	181809m	76.172	ug/l		
15) Acrylonitrile	3.09	53	92142	258.419	ug/l		96
16) Acetone	2.35	43	224038	332.528	ug/l		94
17) Carbon Disulfide	1.91	76	265857	45.125	ug/l		97
18) Methyl Acetate	2.47	43	59867	48.639	ug/l		97
19) Methyl tert-butyl Ether	2.55	73	283414	50.813	ug/l		99
20) Methylene Chloride	2.29	84	119870m	49.175	ug/l		
21) trans-1,2-Dichloroethene	2.43	96	123879	48.121	ug/l		93
22) Diisopropyl ether	2.94	45	385182	51.635	ug/l		99
23) Vinyl Acetate	3.36	43	820929	246.914	ug/l		98
24) 1,1-Dichloroethane	3.02	63	242571	53.803	ug/l		99
25) 2-Butanone	4.53	43	219505	259.327	ug/l		99
26) 2,2-Dichloropropane	3.78	77	162861	64.685	ug/l		97
27) cis-1,2-Dichloroethene	3.65	96	165557	51.448	ug/l		97
28) Bromochloromethane	3.91	49	105354	51.525	ug/l		98
29) Tetrahydrofuran	4.27	42	84907	218.258	ug/l		99
30) Chloroform	4.06	83	326304	53.571	ug/l		98
31) Cyclohexane	3.89	56	169288	47.042	ug/l		93
32) 1,1,1-Trichloroethane	4.30	97	283605	54.327	ug/l		98
36) 1,1-Dichloropropene	4.48	75	205560	53.117	ug/l		99
37) Ethyl Acetate	4.30	43	84014	56.427	ug/l	#	94
38) Carbon Tetrachloride	4.19	117	254556m	64.206	ug/l		

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\

Quantitation Report (QT Reviewed)

Data File : VF062452.D
Acq On : 11 May 2019 10:42
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

Quant Time: May 12 04:03:15 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)
39) Methylcyclohexane	5.64	83	203574	52.451	ug/l		96
40) Benzene	4.83	78	451946	53.033	ug/l		93
41) Methacrylonitrile	4.94	41	46749	50.379	ug/l		96
42) 1,2-Dichloroethane	5.14	62	200960	56.383	ug/l		100
43) Isopropyl Acetate	7.12	43	89324	50.745	ug/l	#	99
44) Trichloroethene	5.69	130	169854	54.258	ug/l		98
45) 1,2-Dichloropropane	6.42	63	105239	54.521	ug/l		98
46) Dibromomethane	6.26	93	89494	55.920	ug/l		95
47) Bromodichloromethane	6.56	83	226395	56.581	ug/l		97
48) Methyl methacrylate	6.88	41	66390	53.370	ug/l		95
49) 1,4-Dioxane	6.87	88	13115	1025.439	ug/l		98
51) 4-Methyl-2-Pentanone	8.40	43	381454	285.986	ug/l		98
52) Toluene	7.78	92	296404	56.380	ug/l		97
53) t-1,3-Dichloropropene	8.43	75	176668	58.378	ug/l		98
54) cis-1,3-Dichloropropene	7.47	75	209616	59.515	ug/l		99
55) 1,1,2-Trichloroethane	8.64	97	94936	56.885	ug/l		91
56) Ethyl methacrylate	8.76	69	86944	49.352	ug/l		97
57) 1,3-Dichloropropane	9.00	76	142245	56.426	ug/l		99
58) 2-Chloroethyl Vinyl ether	7.46	63	113197	213.721	ug/l		99
59) 2-Hexanone	9.62	43	266242	288.618	ug/l		98
60) Dibromochloromethane	8.87	129	157990	57.881	ug/l		100
61) 1,2-Dibromoethane	9.13	107	106957	54.528	ug/l		97
64) Tetrachloroethene	8.31	164	163781	49.089	ug/l		99
65) Chlorobenzene	9.94	112	369822	54.387	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.07	131	173314	50.525	ug/l		98
67) Ethyl Benzene	10.04	91	625879	52.564	ug/l		99
68) m/p-Xylenes	10.27	106	443956	101.054	ug/l		98
69) o-Xylene	10.82	106	256222	53.973	ug/l		97
70) Styrene	10.90	104	357103	50.192	ug/l		100
71) Bromoform	10.89	173	94961	50.530	ug/l	#	97
73) Isopropylbenzene	11.22	105	759444	52.750	ug/l		100
74) N-amyl acetate	11.45	43	151406	48.985	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.77	83	117044	51.922	ug/l		98
76) 1,2,3-Trichloropropane	11.87	75	92626	53.858	ug/l	#	100
77) Bromobenzene	11.59	156	199674	52.845	ug/l		99
78) n-propylbenzene	11.67	91	797548	52.033	ug/l		99
79) 2-Chlorotoluene	11.80	91	502297	52.701	ug/l		100
80) 1,3,5-Trimethylbenzene	11.90	105	672634	53.304	ug/l		99
81) trans-1,4-Dichloro-2-buten	11.94	75	30792m	47.632	ug/l		
82) 4-Chlorotoluene	11.98	91	489590	52.009	ug/l		99
83) tert-Butylbenzene	12.20	119	692396	52.210	ug/l		98
84) 1,2,4-Trimethylbenzene	12.28	105	642667	52.042	ug/l		98
85) sec-Butylbenzene	12.37	105	862951	53.460	ug/l		99
86) p-Isopropyltoluene	12.52	119	768240	51.225	ug/l		99
87) 1,3-Dichlorobenzene	12.54	146	348170	50.454	ug/l		98
88) 1,4-Dichlorobenzene	12.63	146	351060	52.709	ug/l		99
89) n-Butylbenzene	12.90	91	694739	52.068	ug/l		99
90) Hexachloroethane	12.98	117	188871	50.437	ug/l		95
91) 1,2-Dichlorobenzene	13.00	146	345706	51.758	ug/l		100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	24279	48.076	ug/l		97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\

Quantitation Report (QT Reviewed)

Data File : VF062452.D
Acq On : 11 May 2019 10:42
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

Quant Time: May 12 04:03:15 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)
93) 1,2,4-Trichlorobenzene	14.24	180	316651	52.854	ug/l	97
94) Hexachlorobutadiene	14.23	225	232103	51.979	ug/l	98
95) Naphthalene	14.49	128	475588	52.802	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	307240	52.935	ug/l	99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\

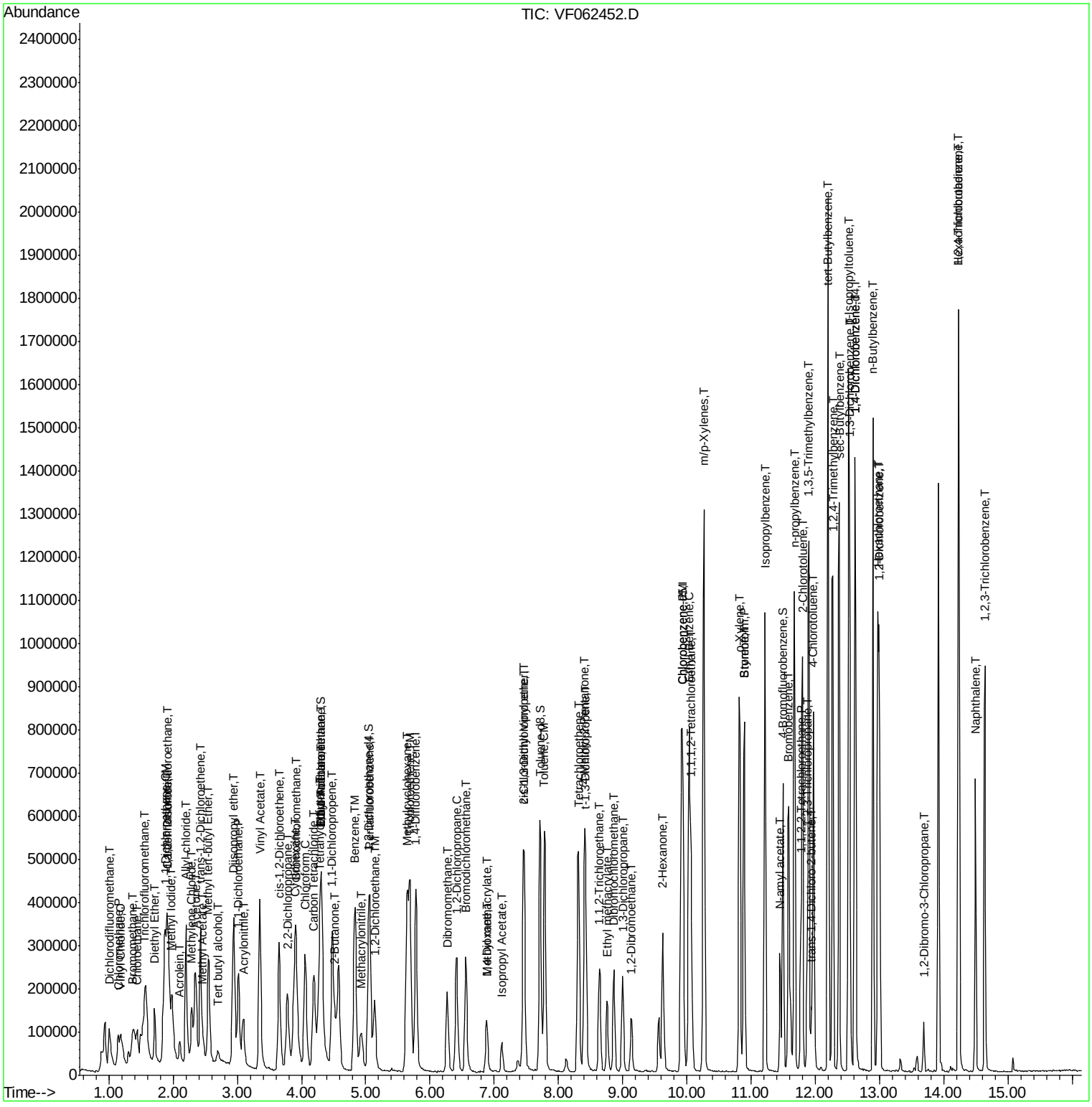
Quantitation Report (QT Reviewed)

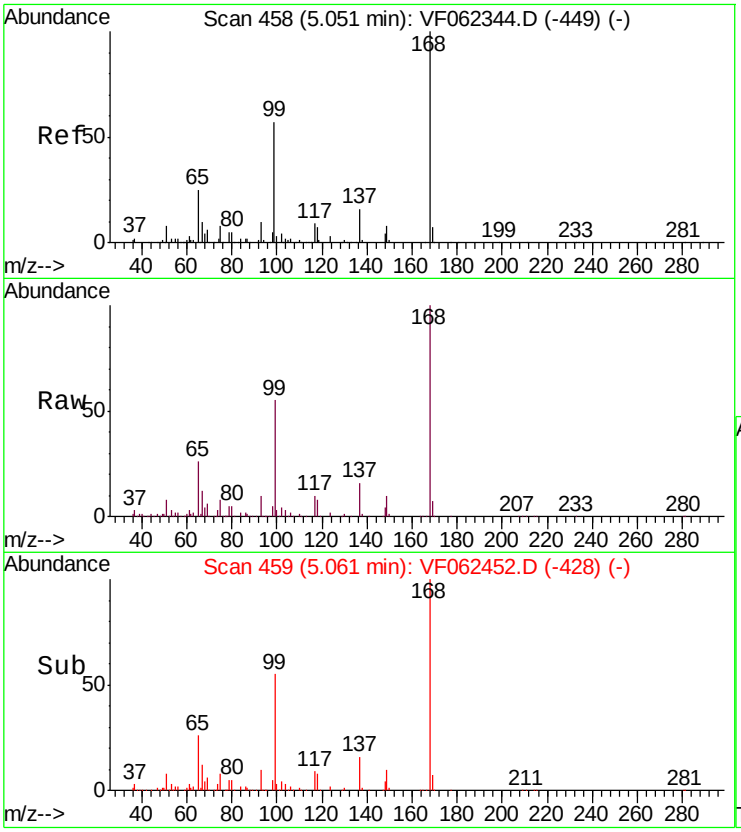
Data File : VF062452.D
Acq On : 11 May 2019 10:42
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 04:03:15 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

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

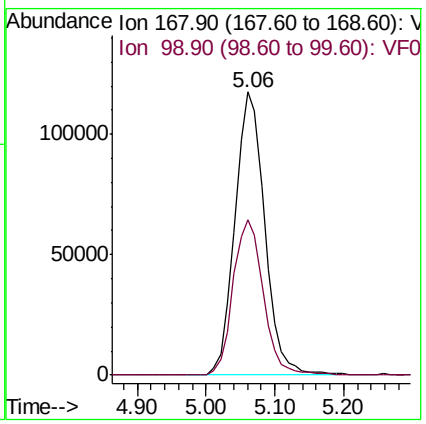




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.06 min Scan# 459
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

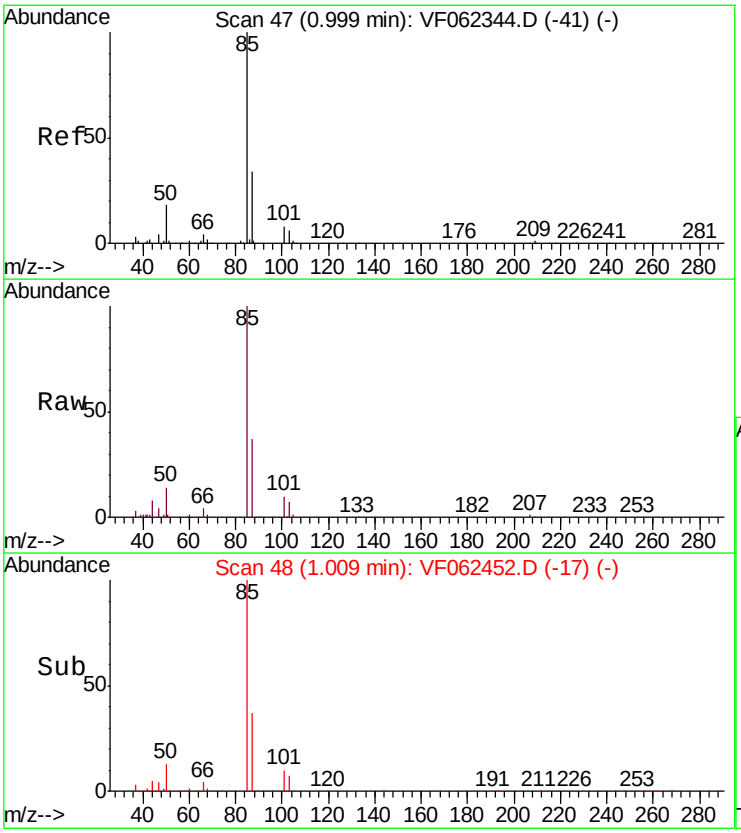
Tgt Ion:168 Resp: 352422

Ion	Ratio	Lower	Upper
168	100		
99	55.0	45.9	68.9



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

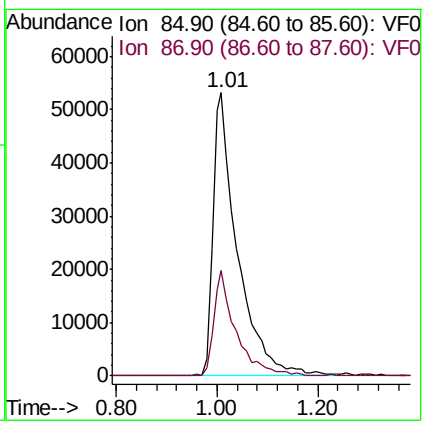
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

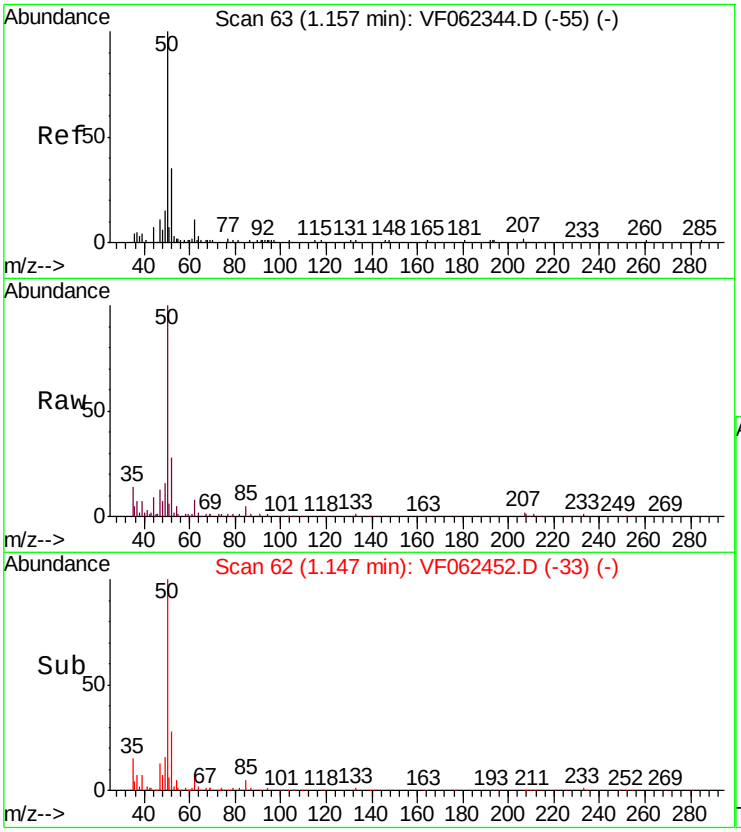


#2
Dichlorodifluoromethane
Concen: 44.253 ug/l
RT: 1.01 min Scan# 48
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 85 Resp: 180496

Ion	Ratio	Lower	Upper
85	100		
87	37.2	16.8	50.4

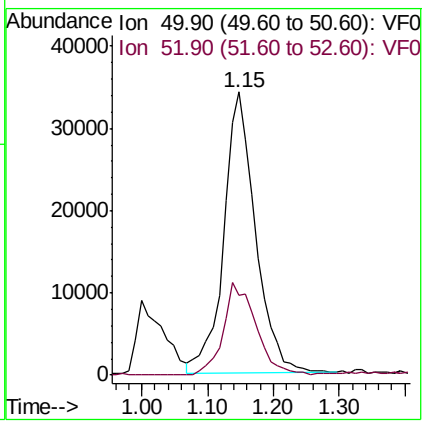




#3
Chloromethane
Concen: 43.059 ug/l
RT: 1.15 min Scan# 62
Delta R.T. -0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

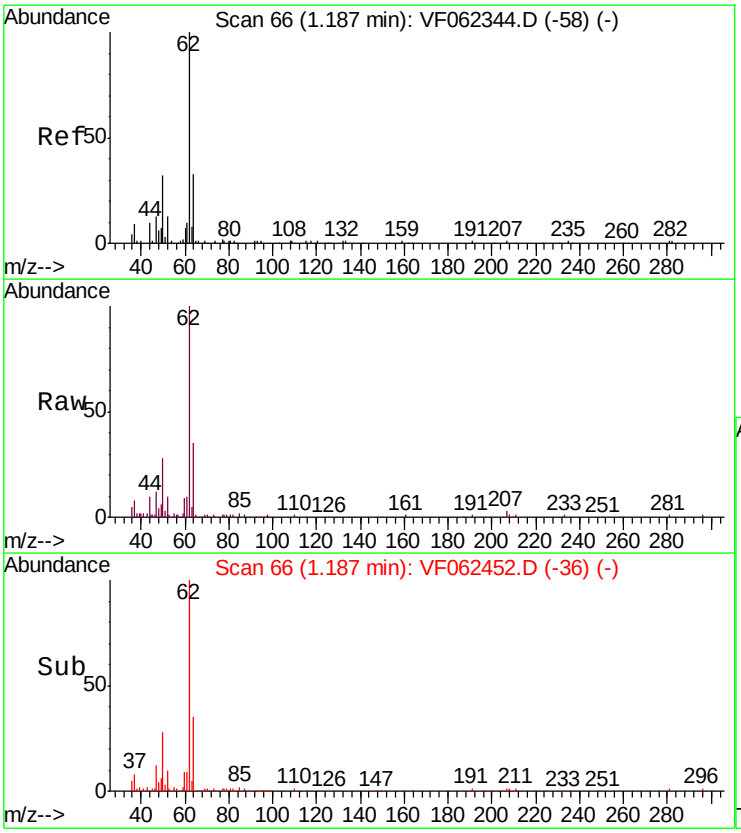
Tgt Ion: 50 Resp: 115831

Ion	Ratio	Lower	Upper
50	100		
52	28.0	26.1	39.1



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

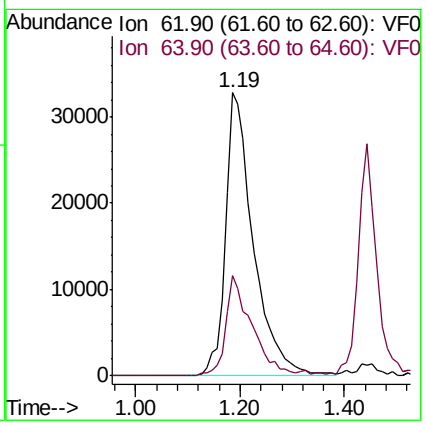
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

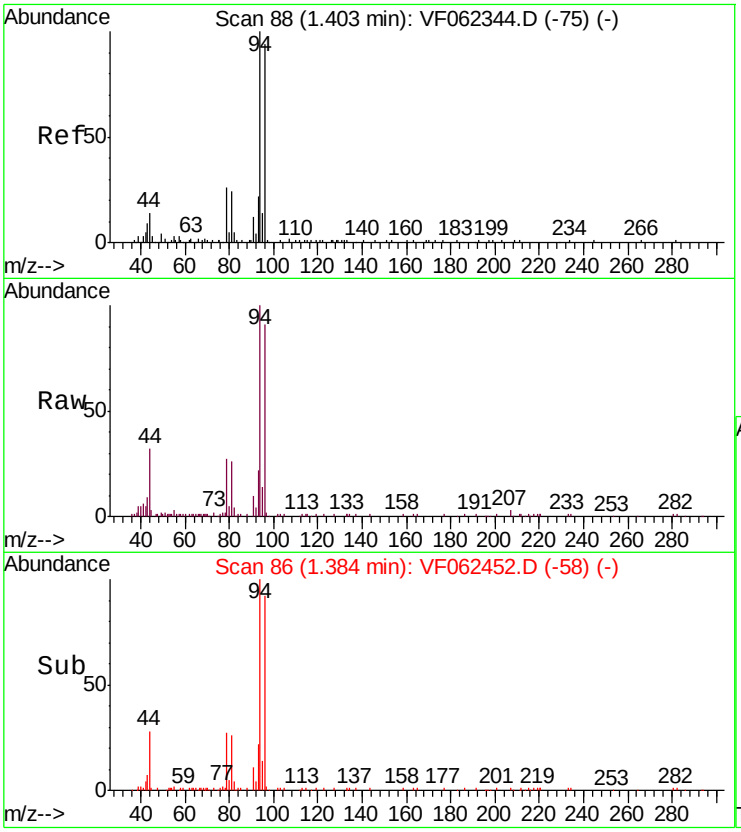


#4
Vinyl Chloride
Concen: 44.532 ug/l
RT: 1.19 min Scan# 66
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 62 Resp: 119486

Ion	Ratio	Lower	Upper
62	100		
64	35.4	26.1	39.1

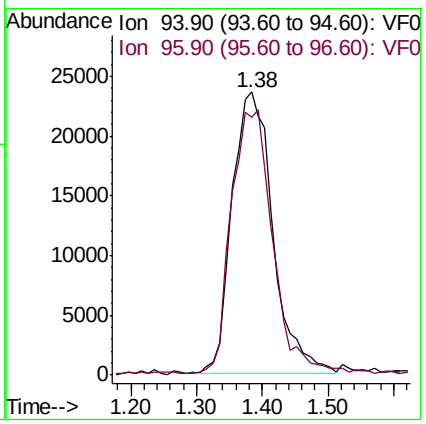




#5
Bromomethane
Concen: 50.850 ug/l
RT: 1.38 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

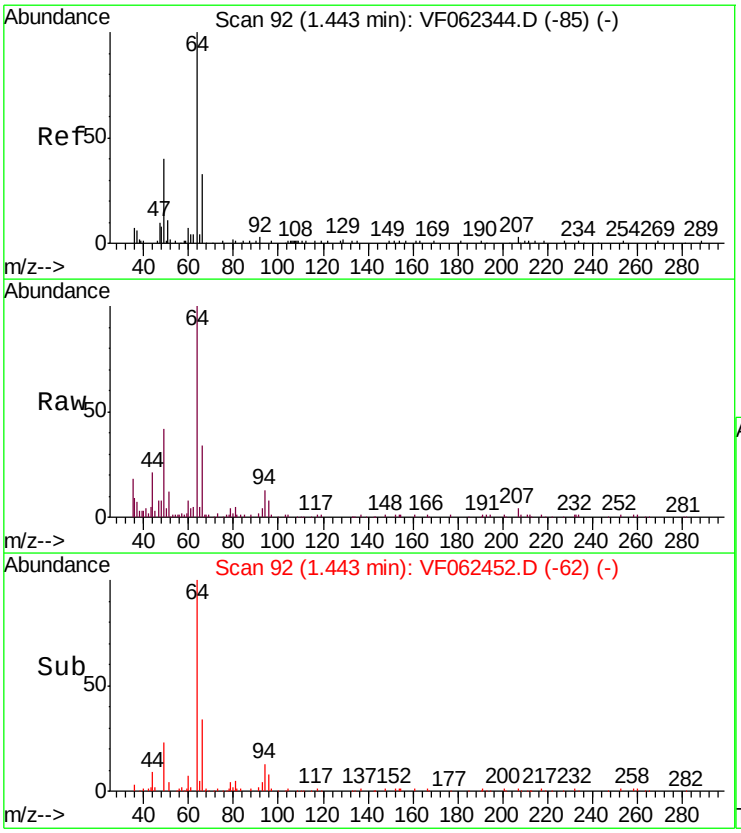
Tgt Ion: 94 Resp: 102865

Ion	Ratio	Lower	Upper
94	100		
96	91.6	75.4	113.2



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

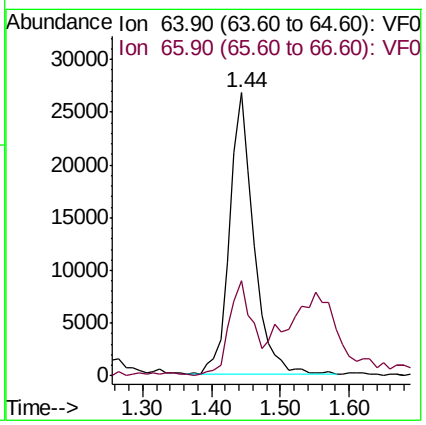
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

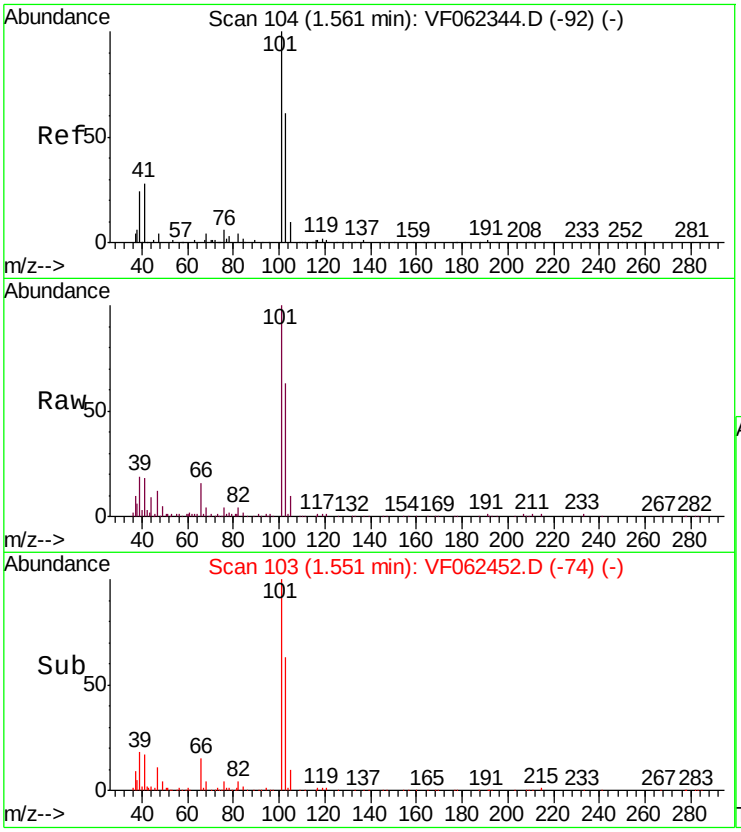


#6
Chloroethane
Concen: 48.139 ug/l
RT: 1.44 min Scan# 92
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 64 Resp: 64939

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.6	39.8

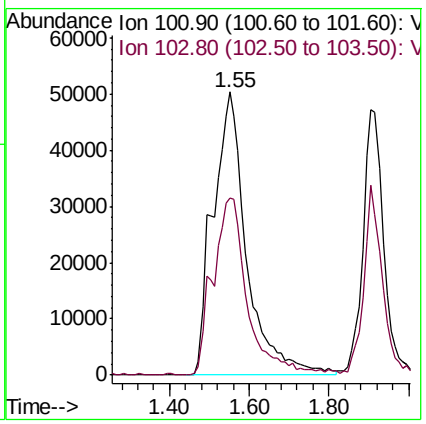




#7
Trichlorofluoromethane
Concen: 53.478 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

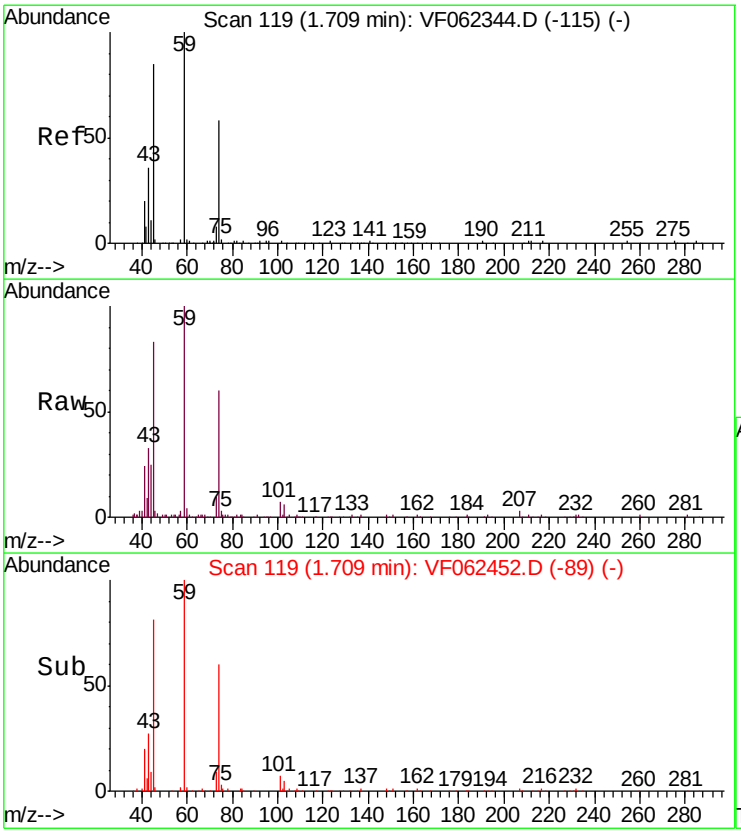
Tgt Ion:101 Resp: 297717

Ion	Ratio	Lower	Upper
101	100		
103	62.4	48.5	72.7



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

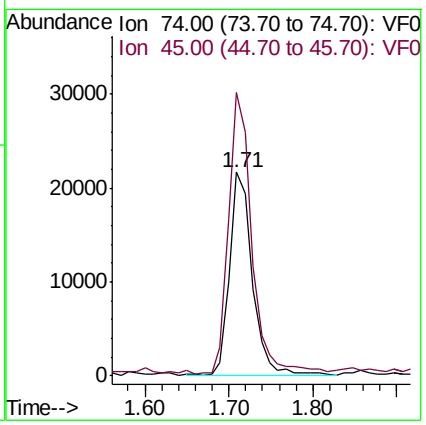
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

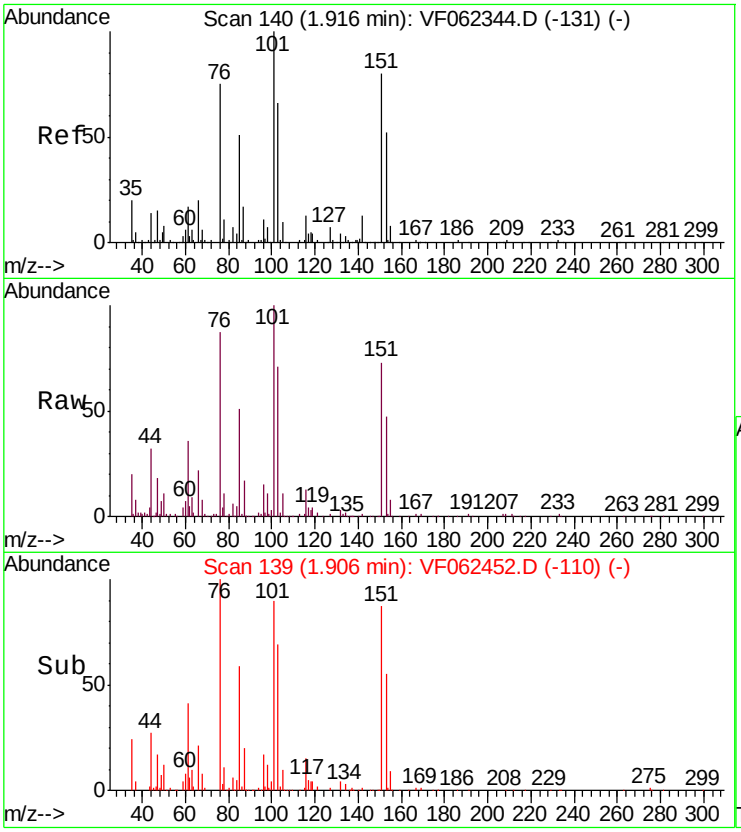


#8
Diethyl Ether
Concen: 49.098 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 74 Resp: 41358

Ion	Ratio	Lower	Upper
74	100		
45	139.4	73.9	221.6





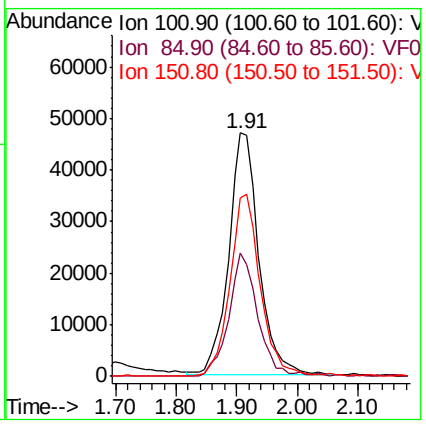
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.476 ug/l
RT: 1.91 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

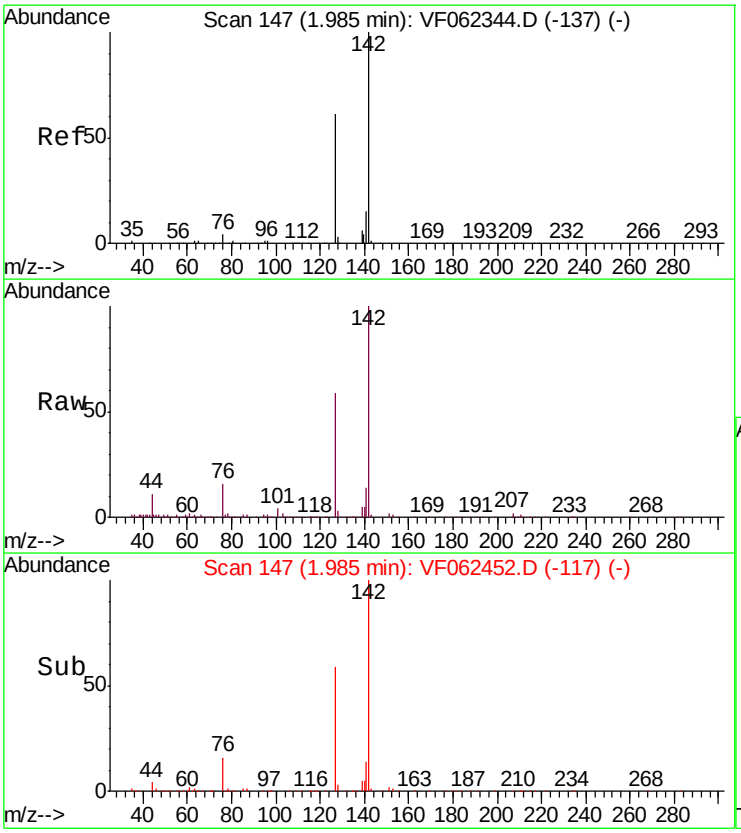
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

Tgt Ion:101 Resp: 163607

Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.5	59.3
151	75.4	59.9	89.9

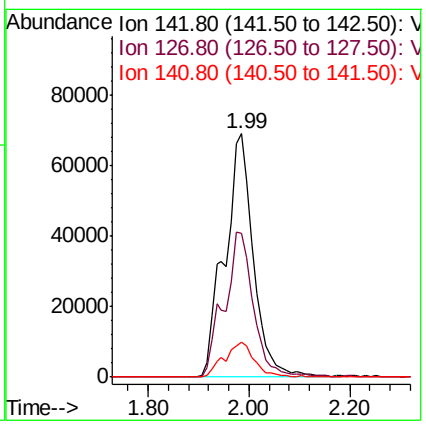


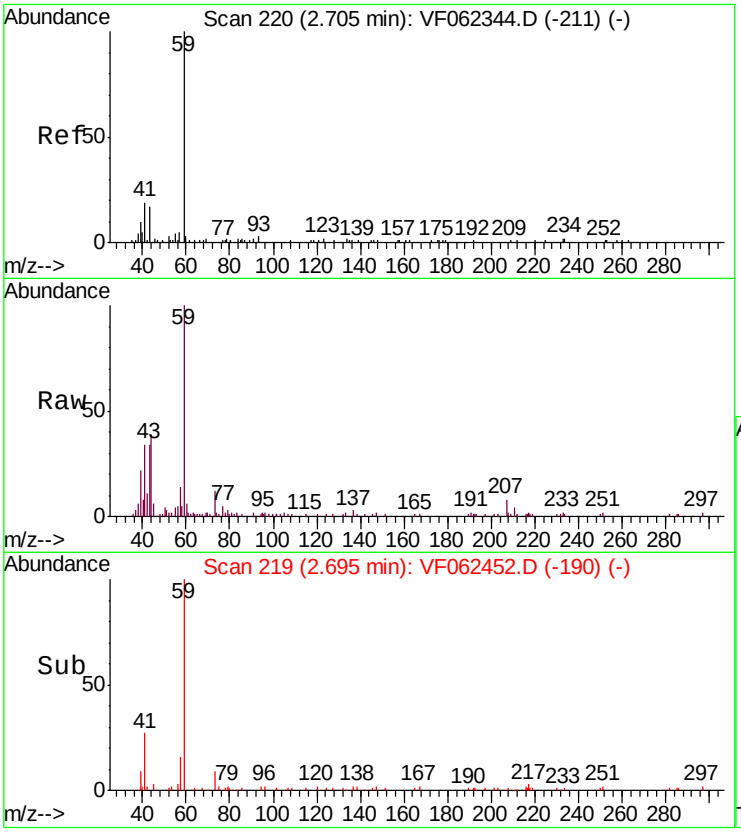


#10
Methyl Iodide
Concen: 52.002 ug/l
RT: 1.99 min Scan# 147
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion:142 Resp: 272370

Ion	Ratio	Lower	Upper
142	100		
127	60.8	48.4	72.6
141	15.0	12.2	18.4

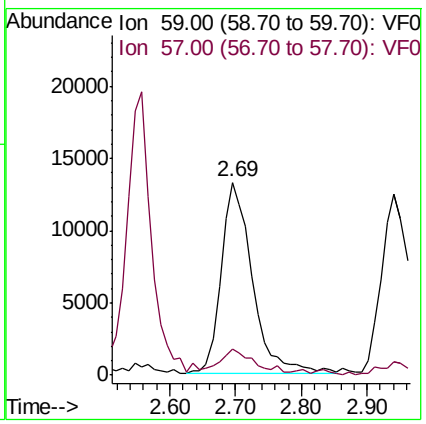




#11
Tert butyl alcohol
Concen: 230.550 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

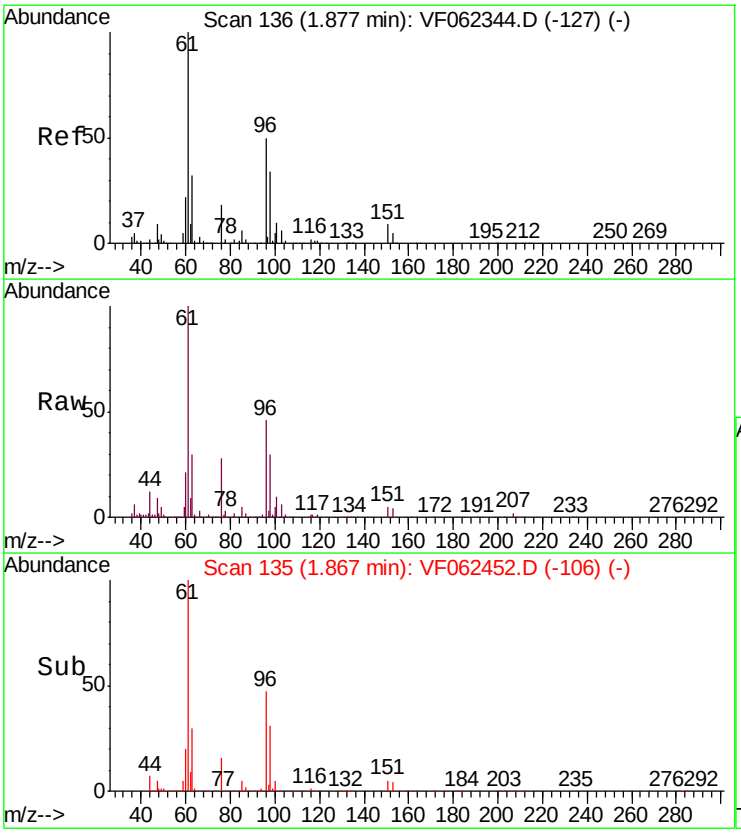
Tgt Ion: 59 Resp: 43397

Ion	Ratio	Lower	Upper
59	100		
57	12.5	9.3	13.9



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

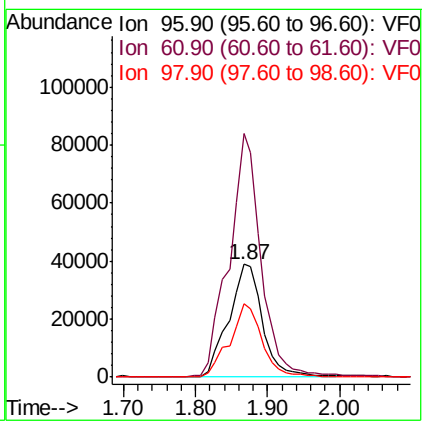
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

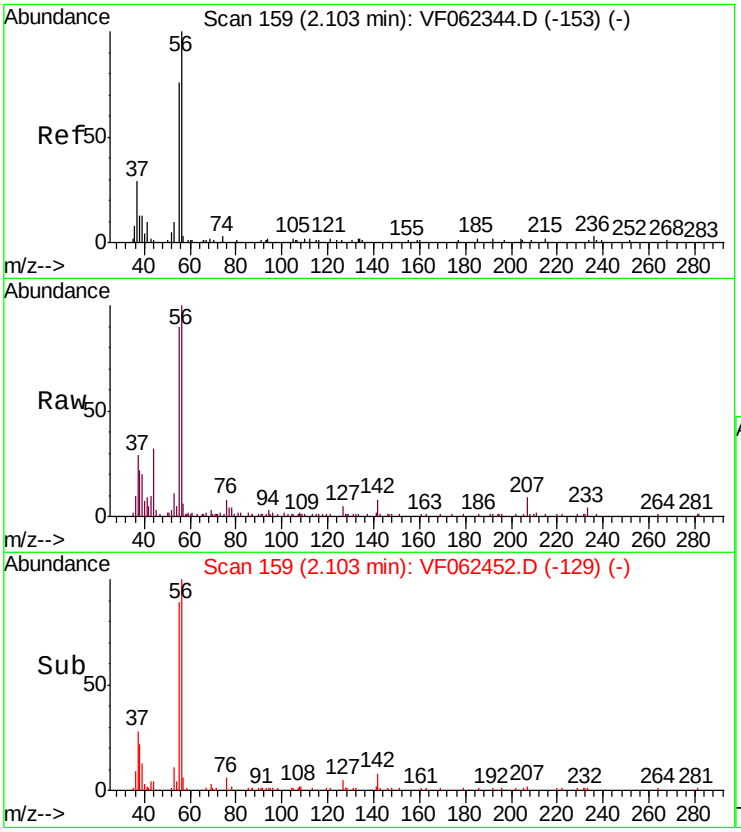


#12
1,1-Dichloroethene
Concen: 47.074 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 96 Resp: 127194

Ion	Ratio	Lower	Upper
96	100		
61	216.5	163.2	244.8
98	65.3	55.2	82.8

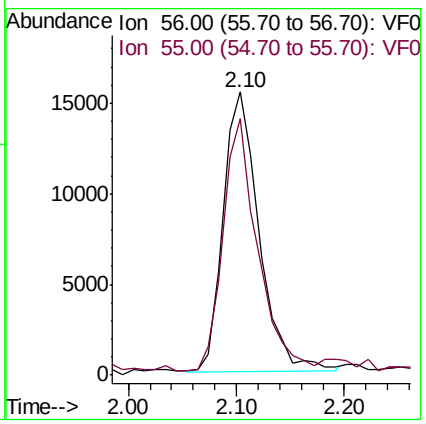




#13
Acrolein
Concen: 310.008 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

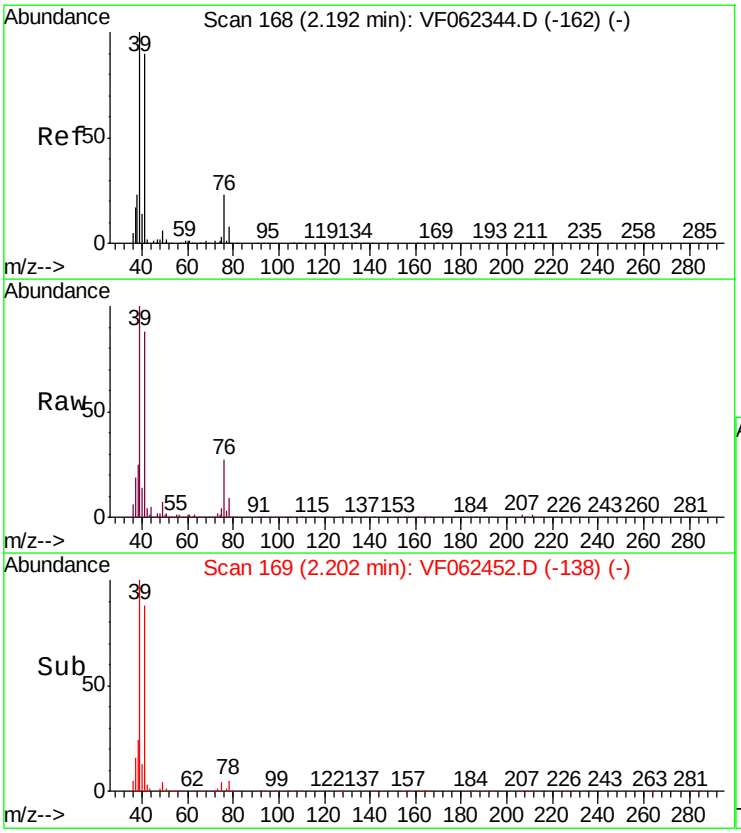
Tgt Ion: 56 Resp: 35480

Ion	Ratio	Lower	Upper
56	100		
55	87.7	58.4	87.6#



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

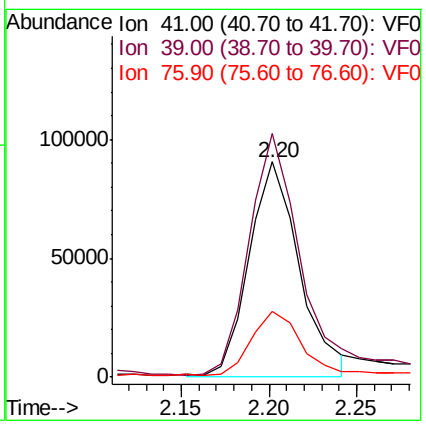
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

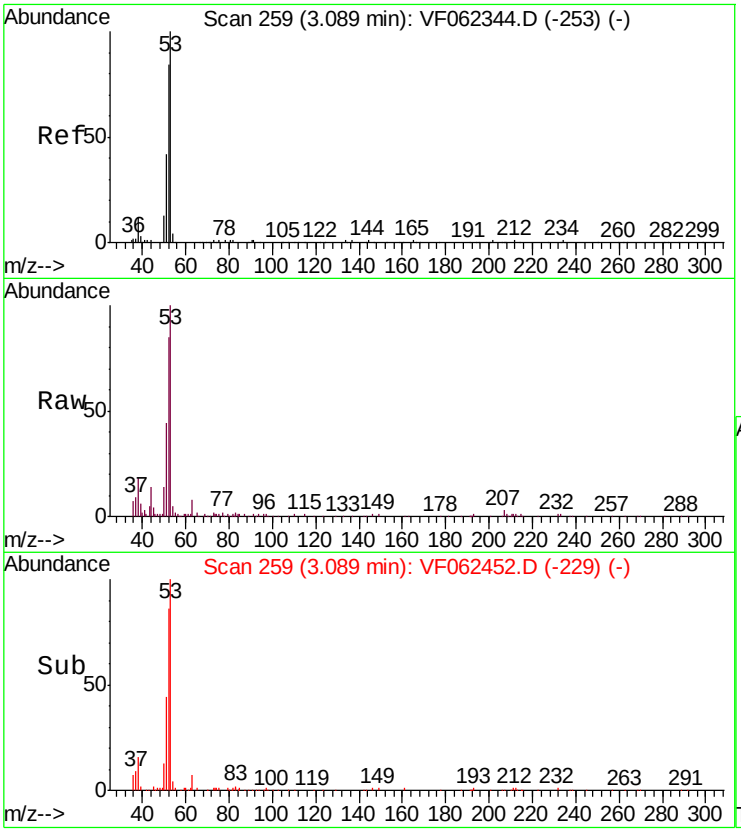


#14
Allyl chloride
Concen: 76.172 ug/l m
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 41 Resp: 181809

Ion	Ratio	Lower	Upper
41	100		
39	121.6	90.8	136.2
76	33.4	22.2	33.4#

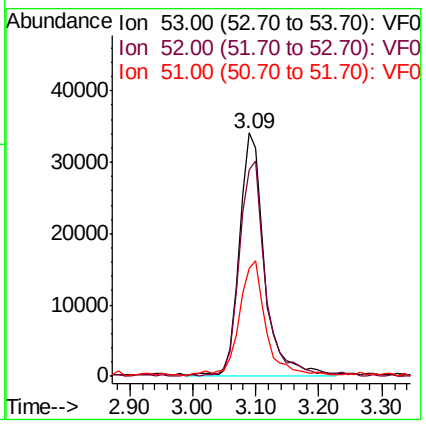




#15
Acrylonitrile
Concen: 258.419 ug/l
RT: 3.09 min Scan# 259
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

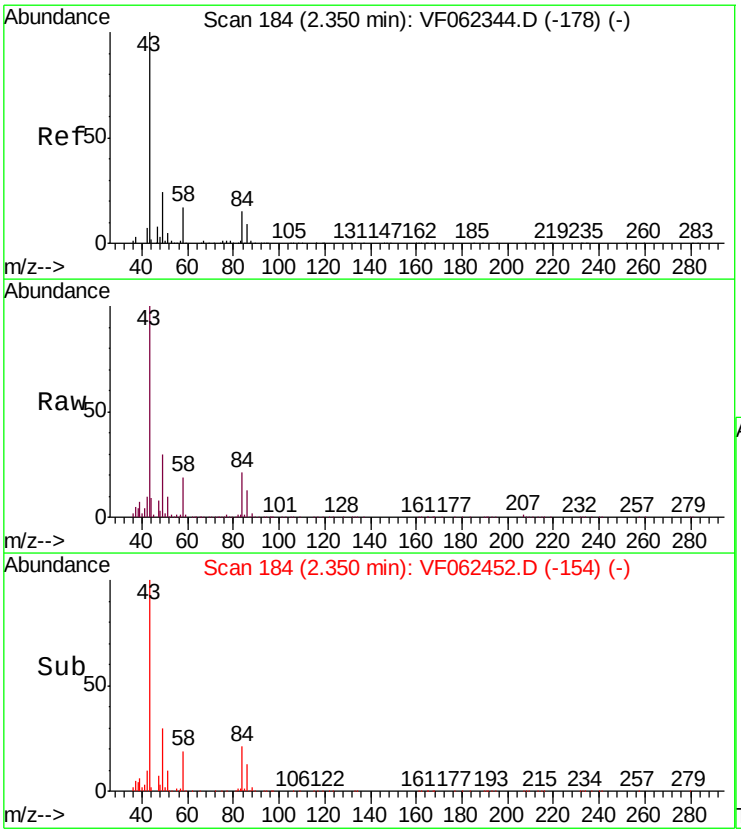
Tgt Ion: 53 Resp: 92142

Ion	Ratio	Lower	Upper
53	100		
52	92.4	77.2	115.8
51	48.2	40.6	61.0



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

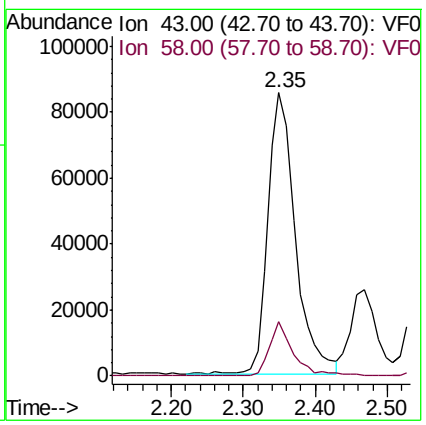
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

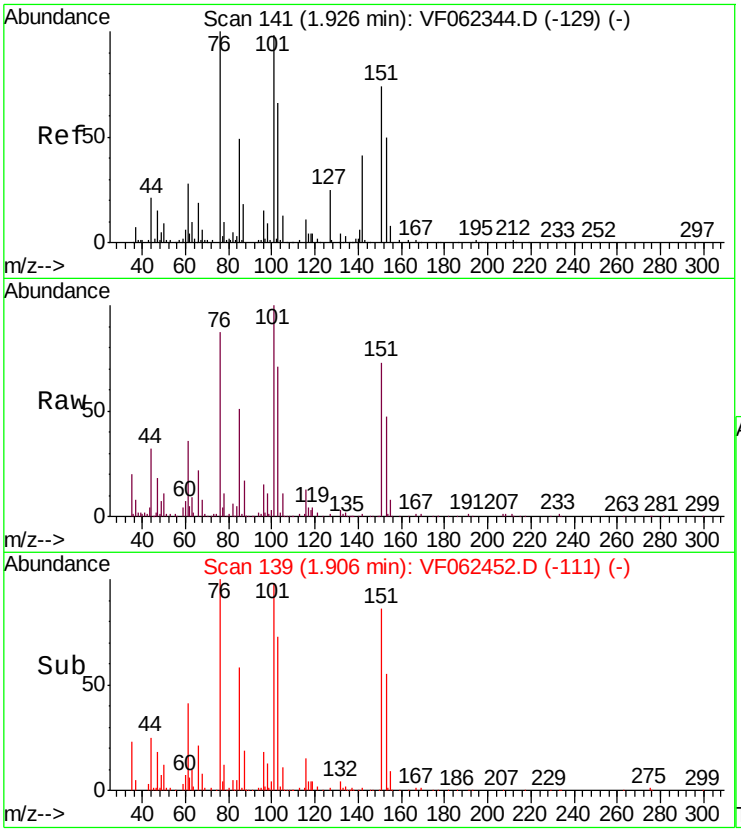


#16
Acetone
Concen: 332.528 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 43 Resp: 224038

Ion	Ratio	Lower	Upper
43	100		
58	19.0	13.1	19.7

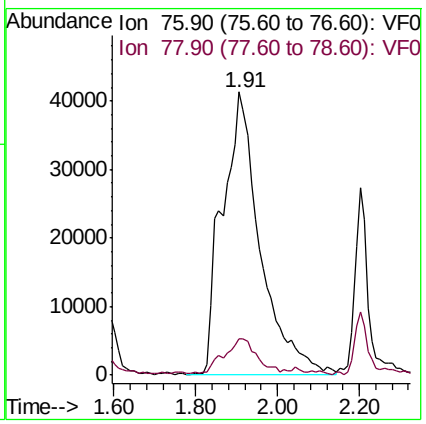




#17
Carbon Disulfide
Concen: 45.125 ug/l
RT: 1.91 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

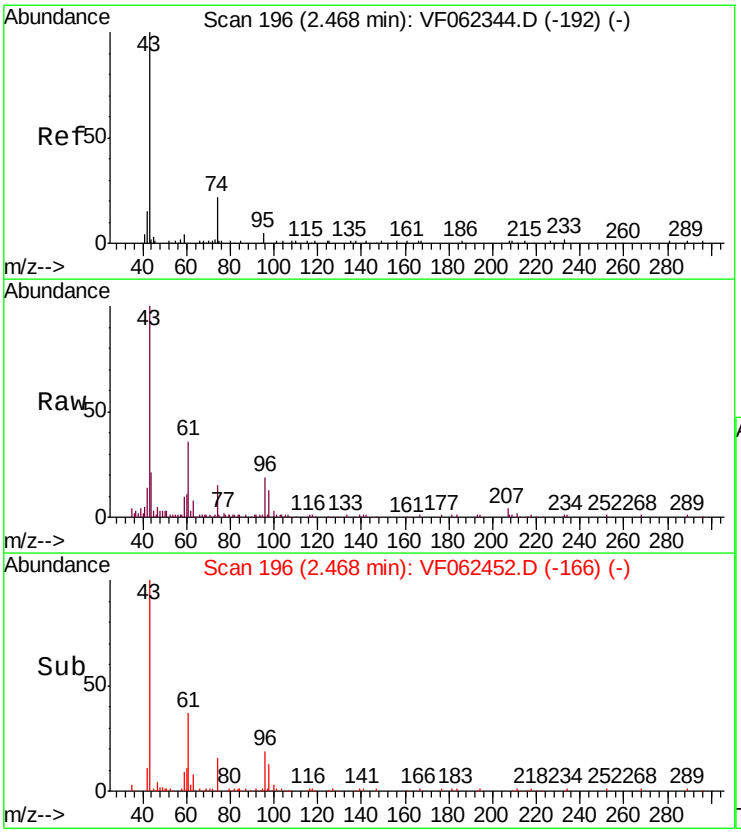
Tgt Ion: 76 Resp: 265857

Ion	Ratio	Lower	Upper
76	100		
78	12.2	9.0	13.4



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

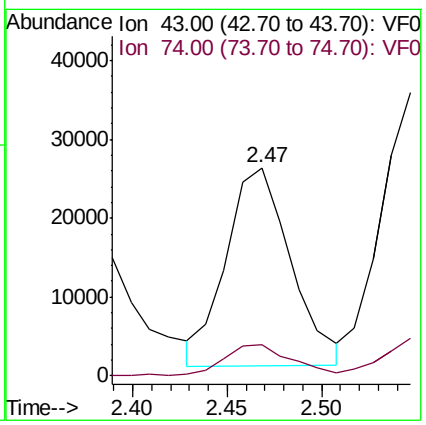
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

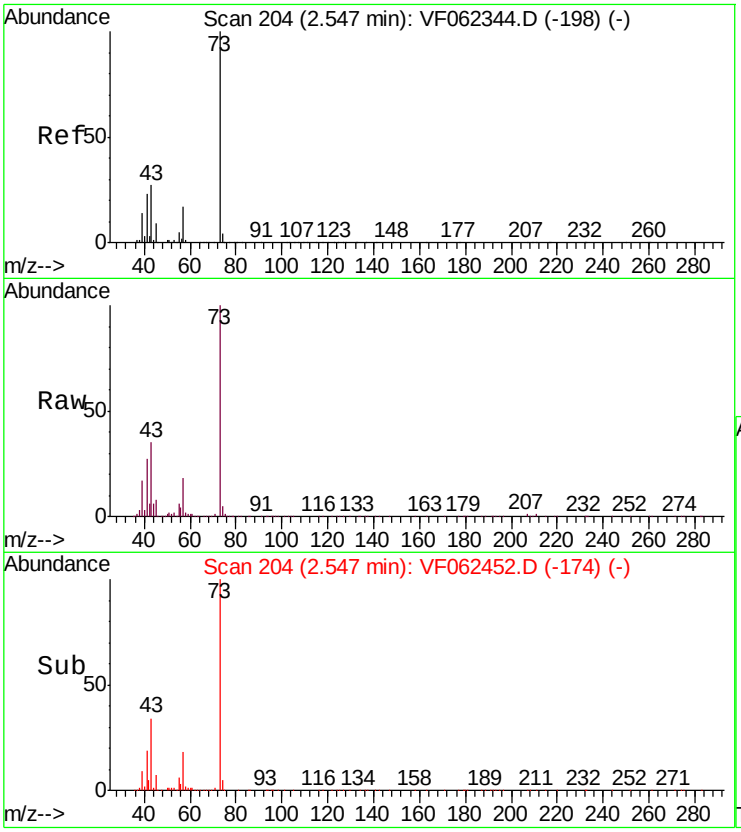


#18
Methyl Acetate
Concen: 48.639 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 43 Resp: 59867

Ion	Ratio	Lower	Upper
43	100		
74	17.2	15.0	22.4





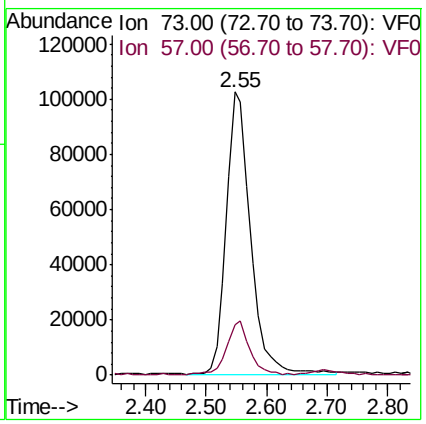
#19
Methyl tert-butyl Ether
Concen: 50.813 ug/l
RT: 2.55 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

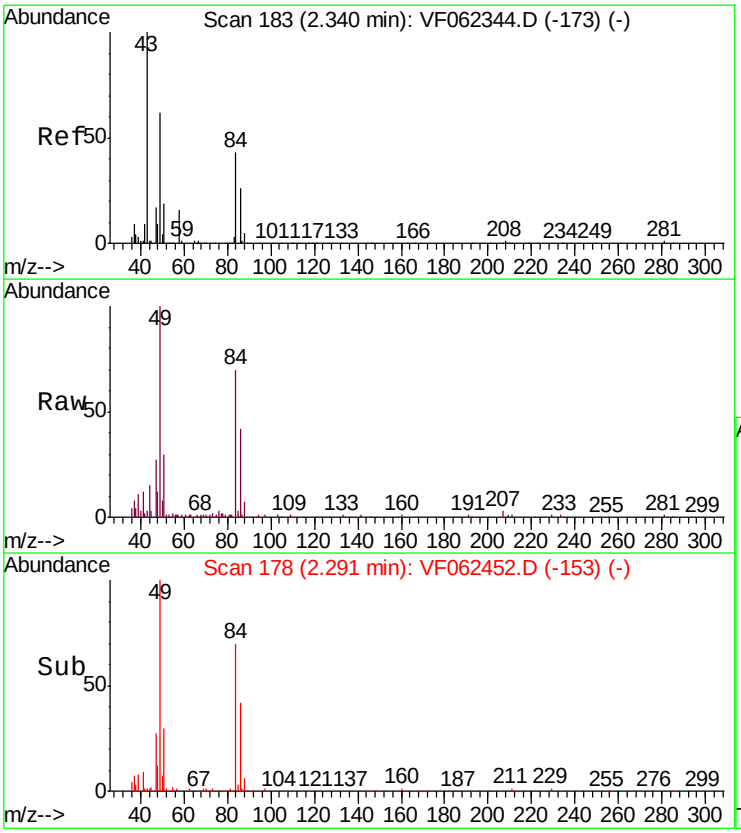
Tgt Ion: 73 Resp: 283414

Ion	Ratio	Lower	Upper
73	100		
57	17.7	13.7	20.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

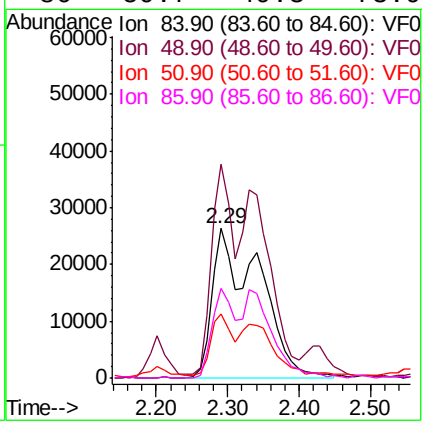


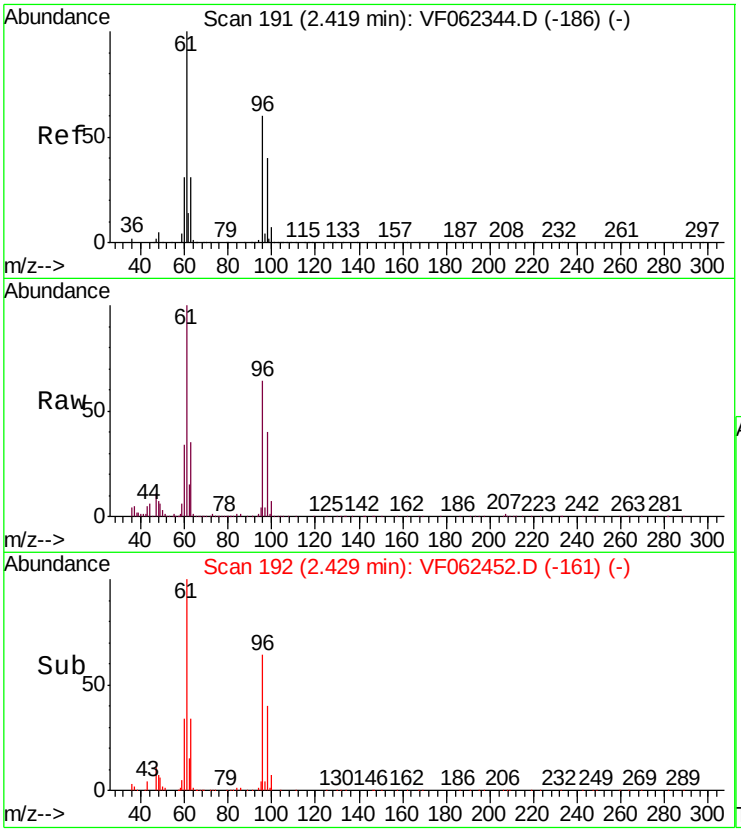


#20
Methylene Chloride
Concen: 49.175 ug/l m
RT: 2.29 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 84 Resp: 119870

Ion	Ratio	Lower	Upper
84	100		
49	142.9	117.5	176.3
51	43.1	37.0	55.4
86	59.7	49.3	73.9

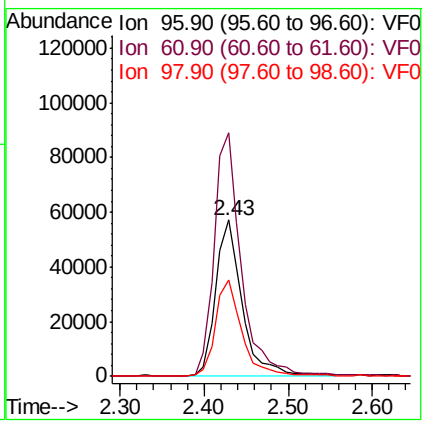




#21
trans-1,2-Dichloroethene
Concen: 48.121 ug/l
RT: 2.43 min Scan# 192
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

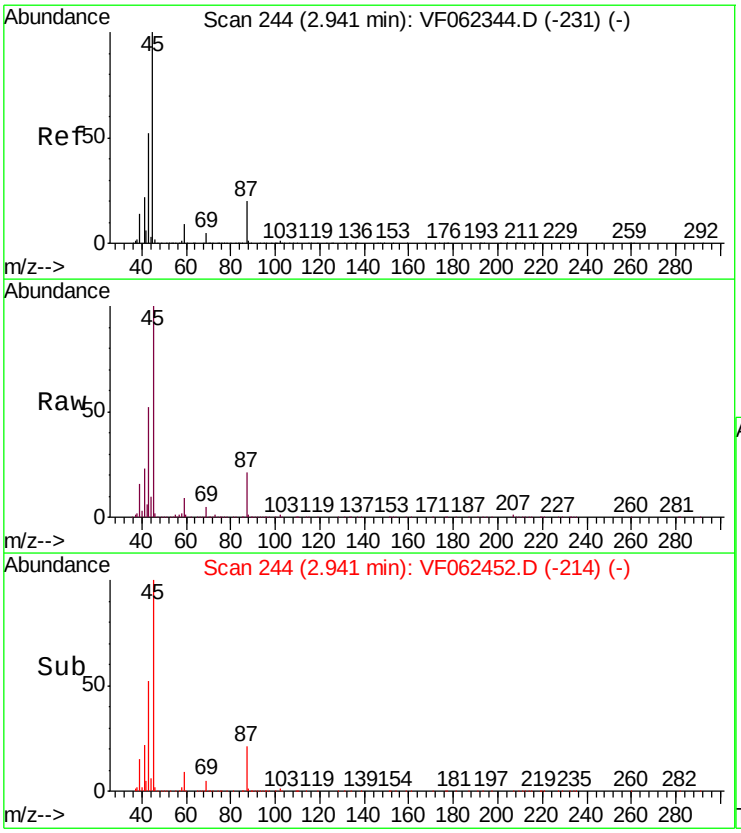
Tgt Ion: 96 Resp: 123879

Ion	Ratio	Lower	Upper
96	100		
61	155.8	133.2	199.8
98	62.0	53.1	79.7



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

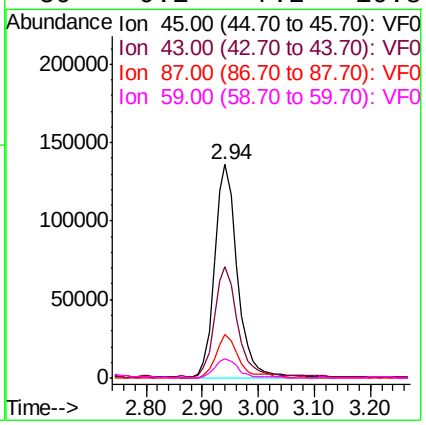
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

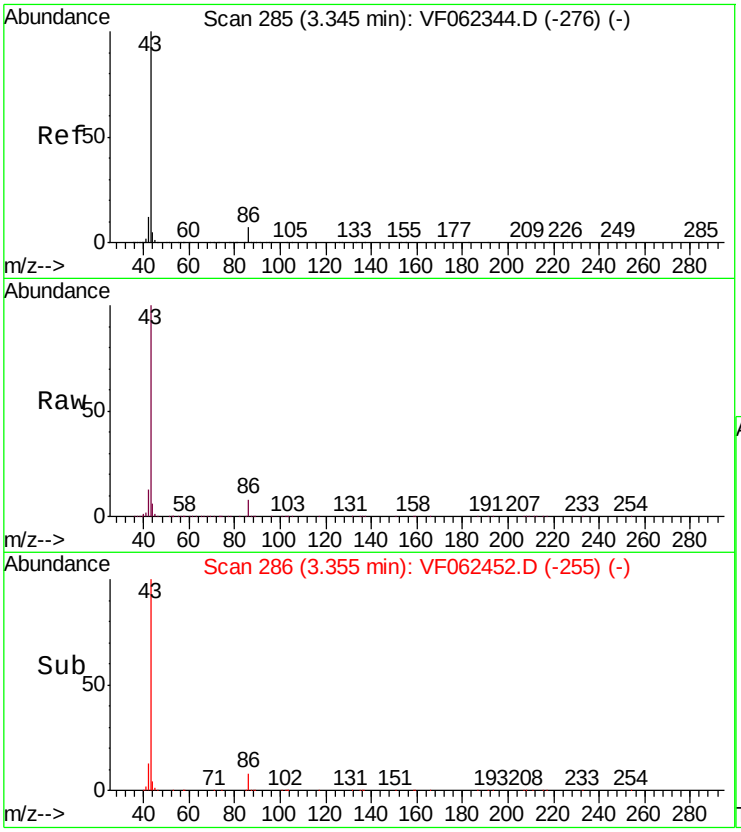


#22
Diisopropyl ether
Concen: 51.635 ug/l
RT: 2.94 min Scan# 244
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 45 Resp: 385182

Ion	Ratio	Lower	Upper
45	100		
43	51.6	41.4	62.0
87	20.6	15.8	23.6
59	9.1	7.2	10.8

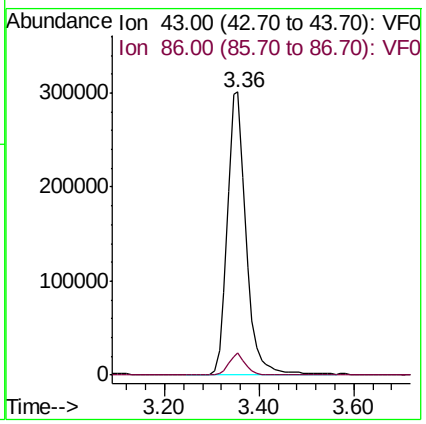




#23
Vinyl Acetate
Concen: 246.914 ug/l
RT: 3.36 min Scan# 286
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

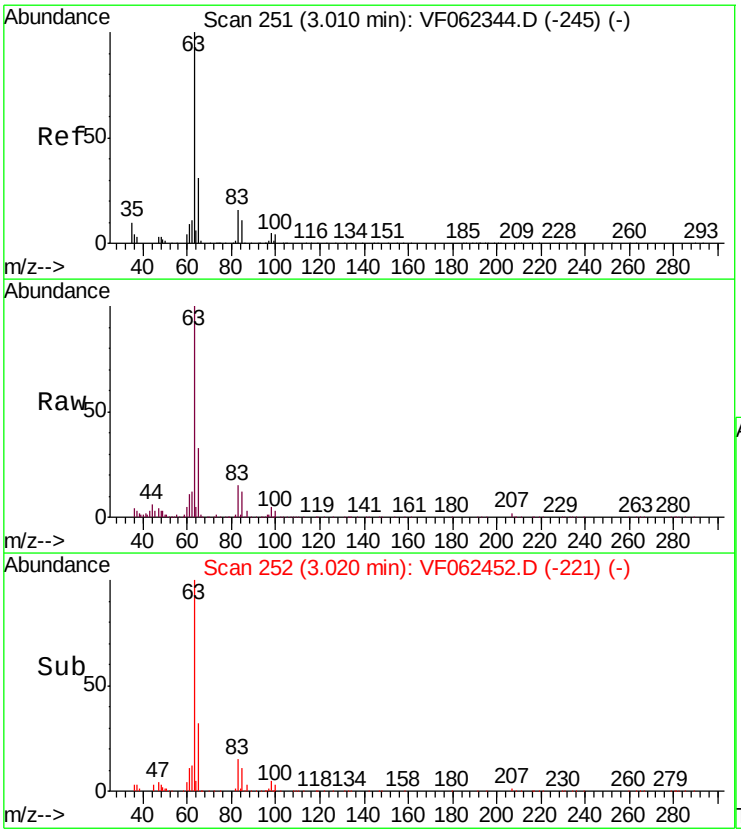
Tgt Ion: 43 Resp: 820929

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.7	8.5



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

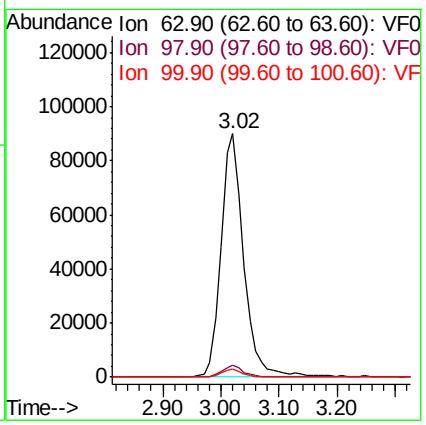
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

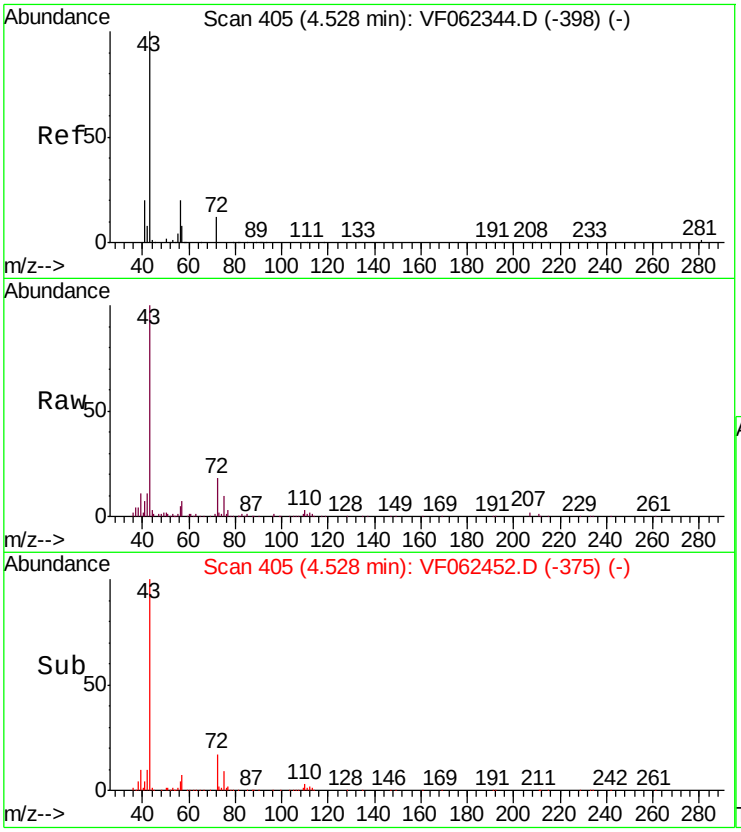


#24
1,1-Dichloroethane
Concen: 53.803 ug/l
RT: 3.02 min Scan# 252
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 63 Resp: 242571

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.6	8.0
100	3.2	1.8	5.4

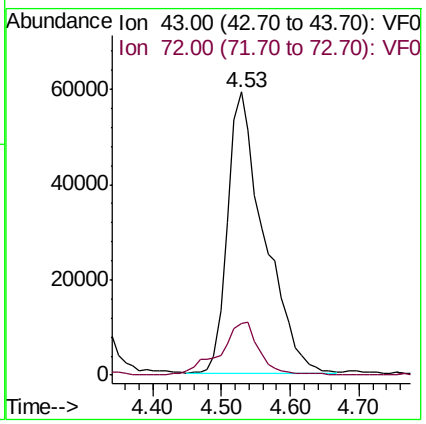




#25
2-Butanone
Concen: 259.327 ug/l
RT: 4.53 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

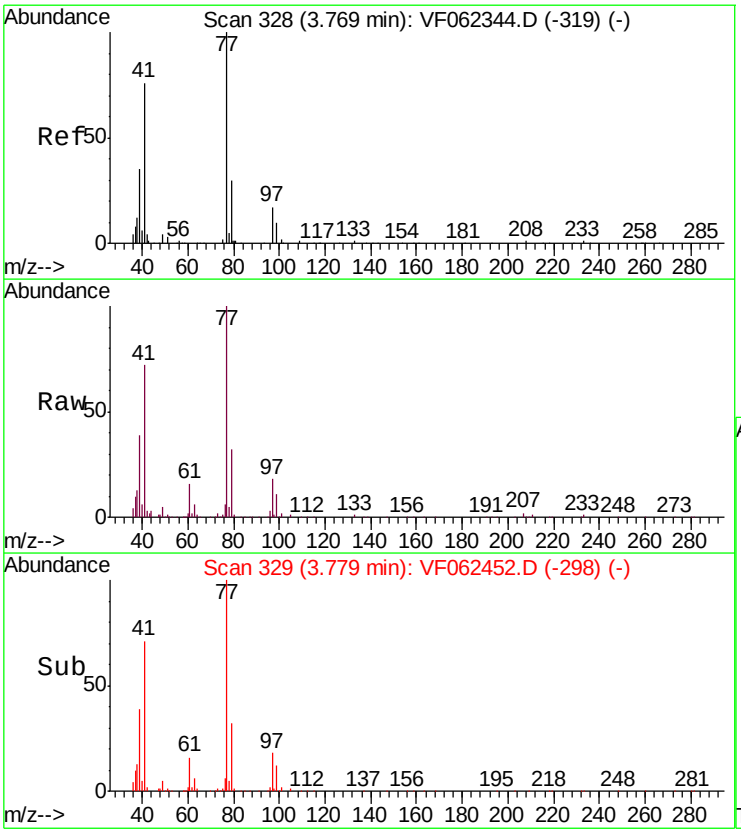
Tgt Ion: 43 Resp: 219505

Ion	Ratio	Lower	Upper
43	100		
72	18.3	14.2	21.4



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

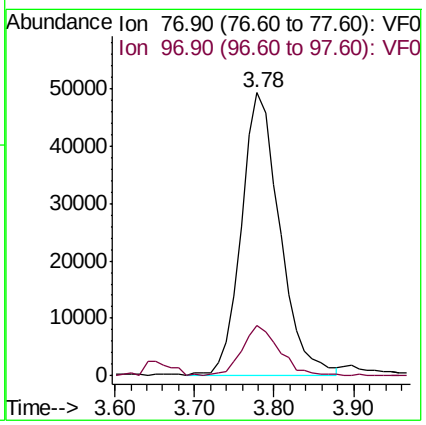
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

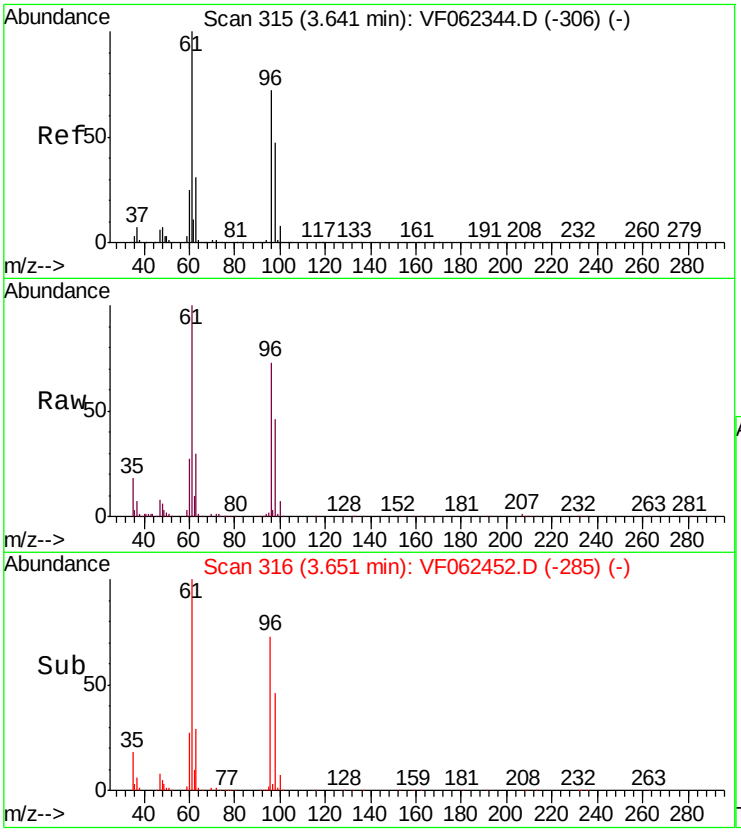


#26
2,2-Dichloropropane
Concen: 64.685 ug/l
RT: 3.78 min Scan# 329
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 77 Resp: 162861

Ion	Ratio	Lower	Upper
77	100		
97	17.5	9.5	28.5

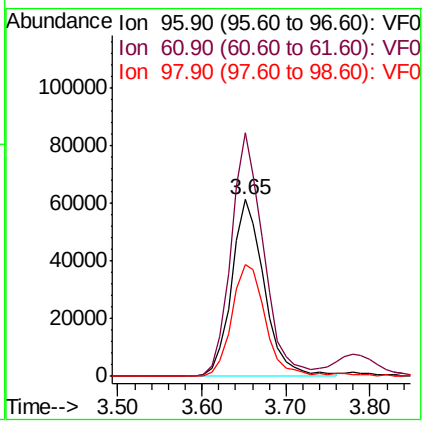




#27
cis-1,2-Dichloroethene
Concen: 51.448 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

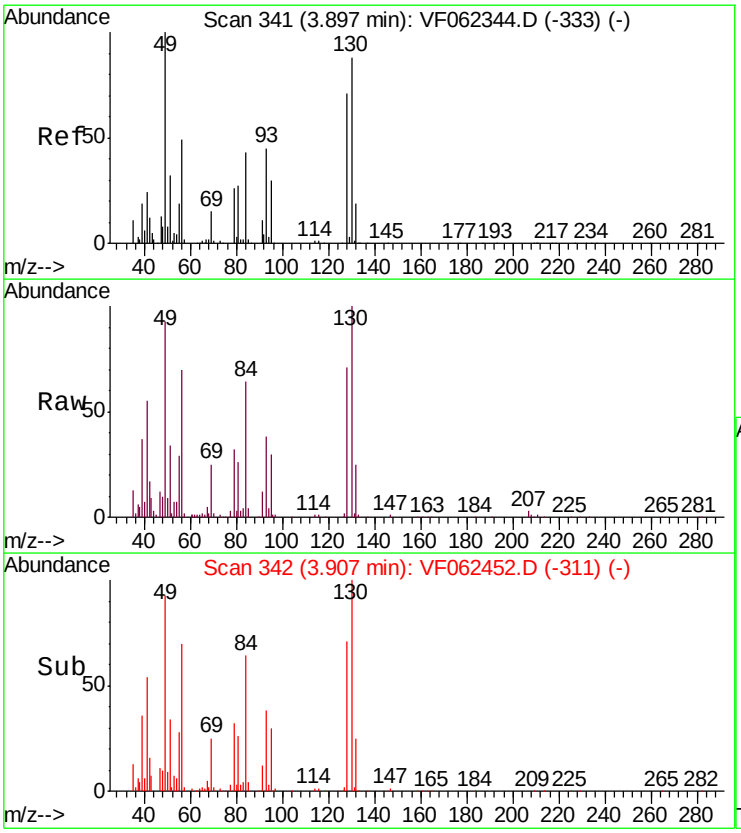
Tgt Ion: 96 Resp: 165557

Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	263.0
98	64.7	0.0	130.8



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

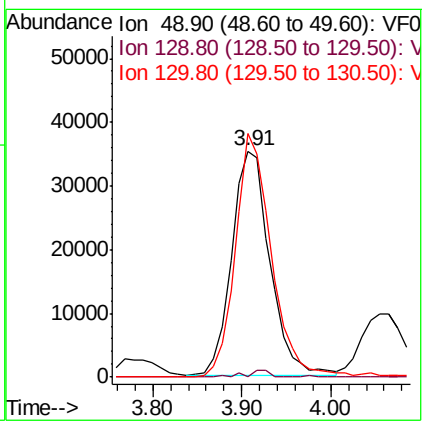
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

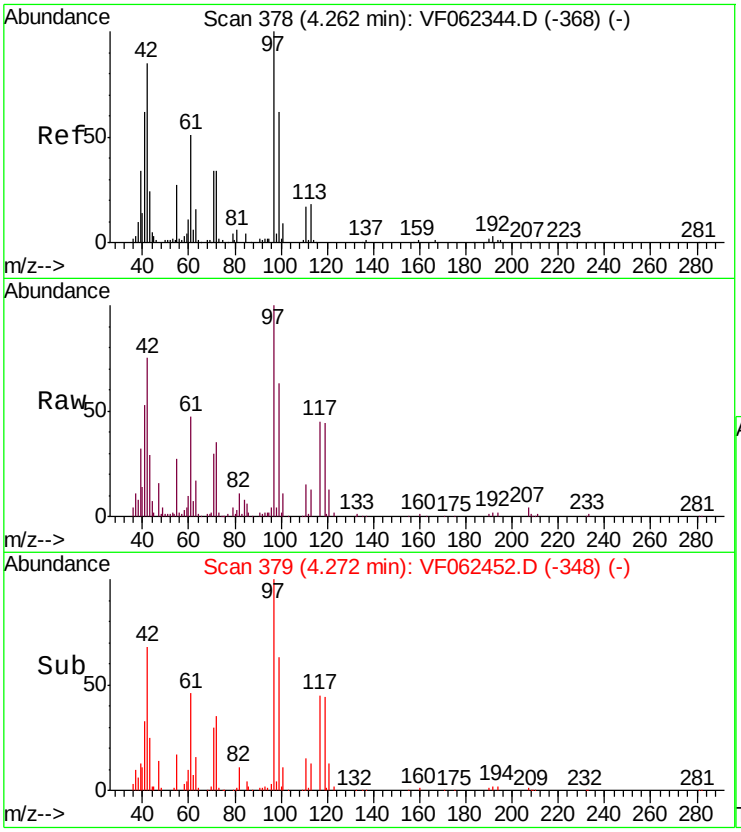


#28
Bromochloromethane
Concen: 51.525 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 49 Resp: 105354

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.2
130	101.5	79.4	119.0

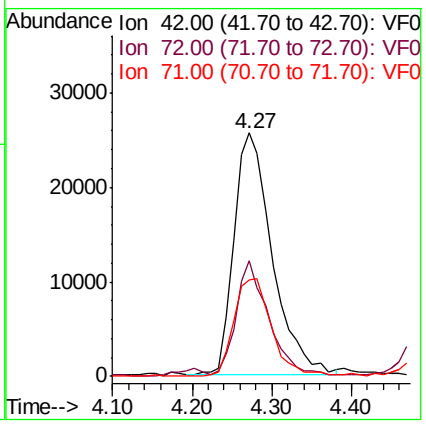




#29
Tetrahydrofuran
Concen: 218.258 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

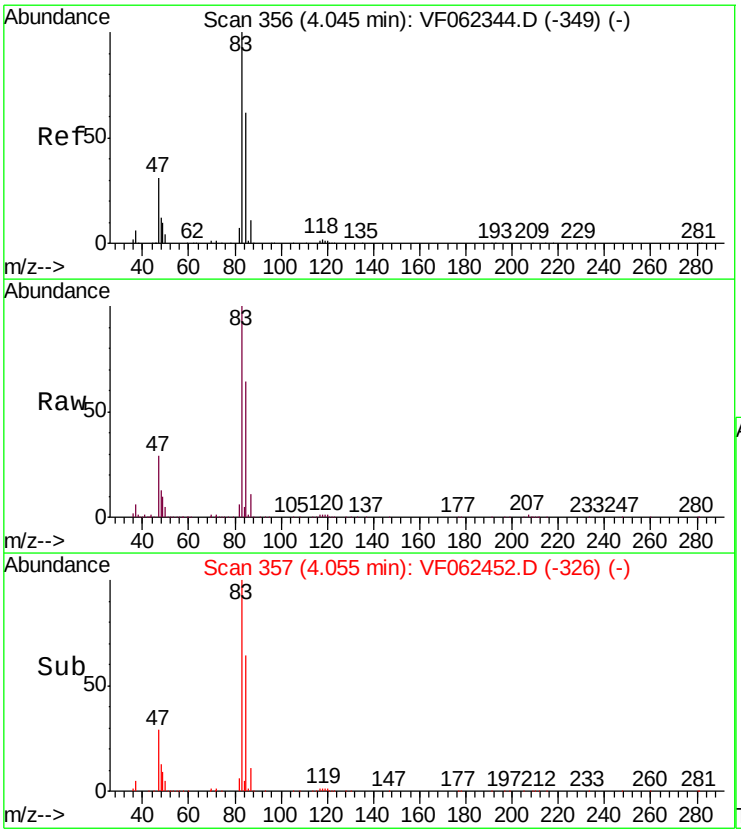
Tgt Ion: 42 Resp: 84907

Ion	Ratio	Lower	Upper
42	100		
72	40.5	31.4	47.0
71	40.0	31.7	47.5



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

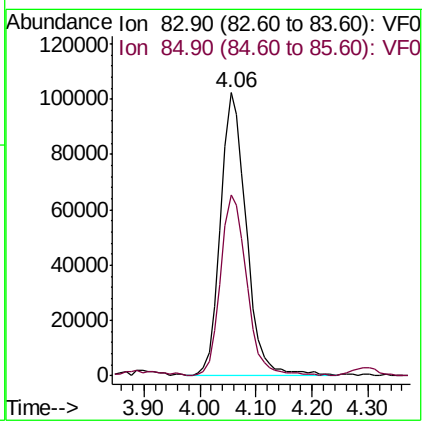
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

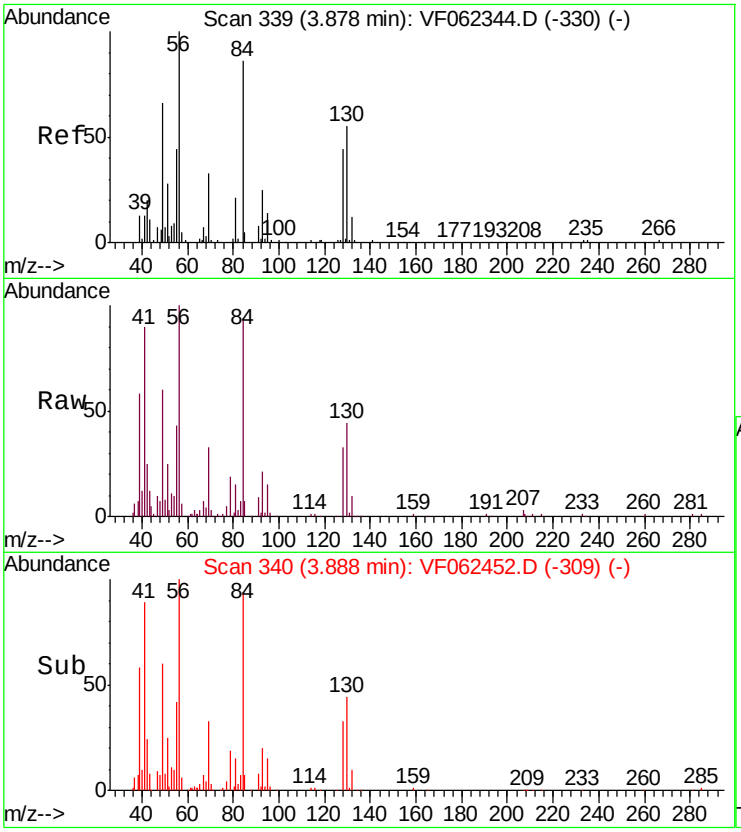


#30
Chloroform
Concen: 53.571 ug/l
RT: 4.06 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 83 Resp: 326304

Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.6	74.4

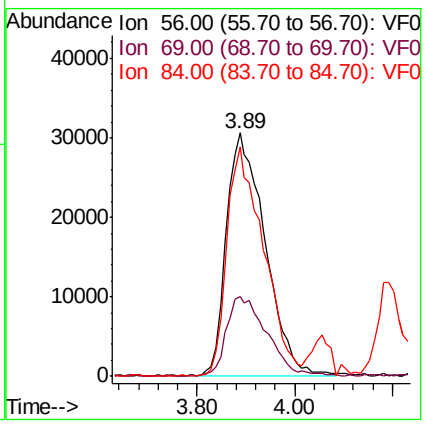




#31
Cyclohexane
Concen: 47.042 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

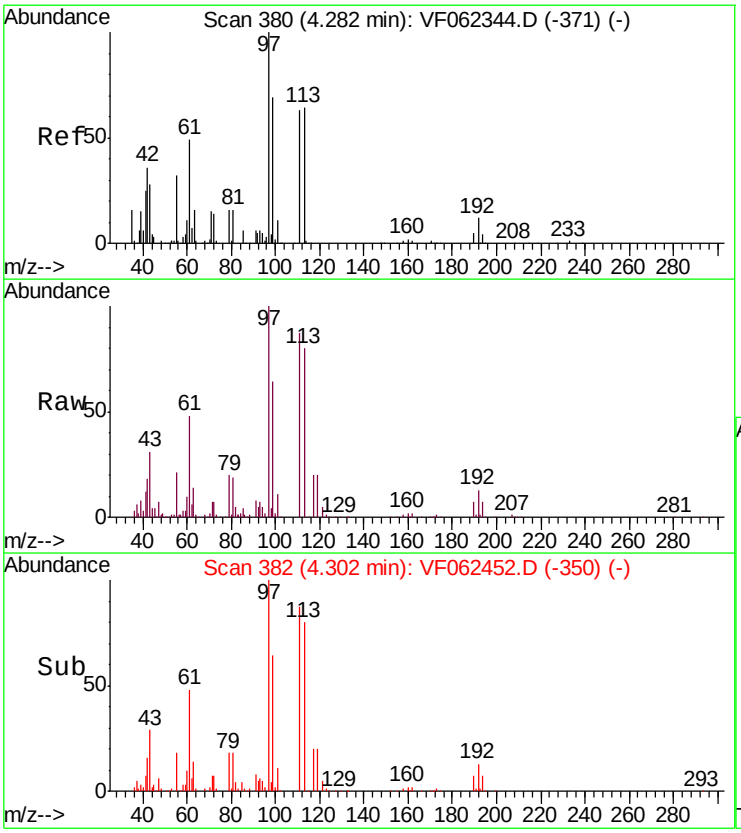
Tgt Ion: 56 Resp: 169288

Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.4	39.6
84	94.2	69.0	103.6



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

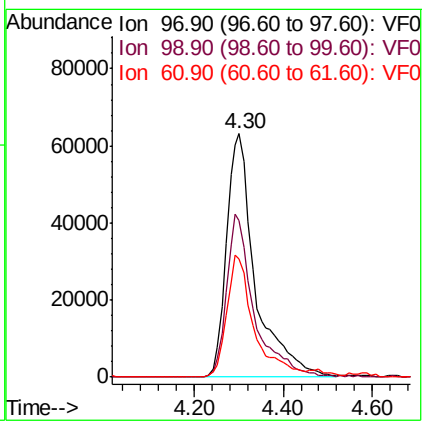
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

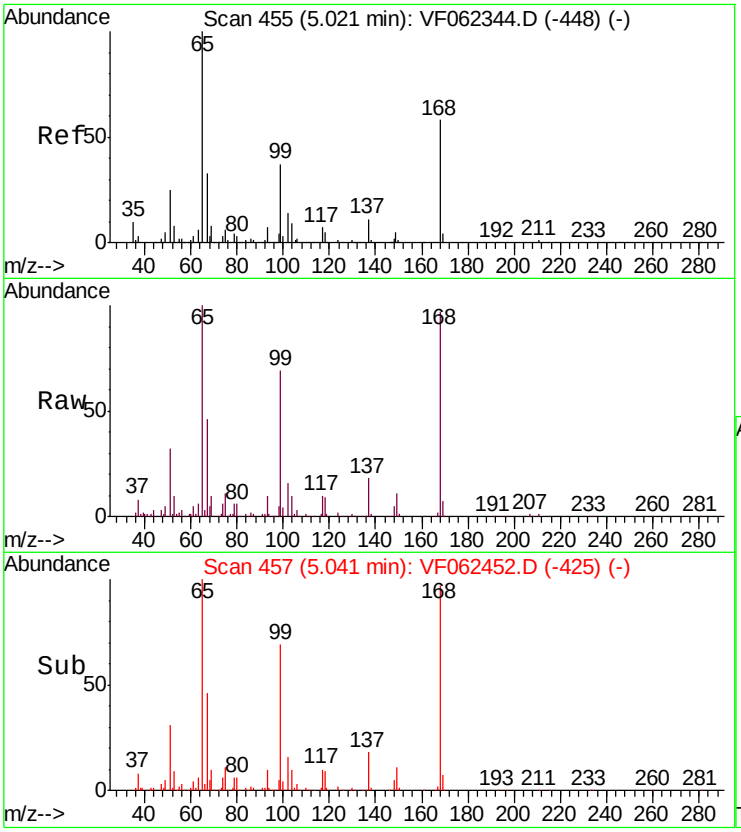


#32
1,1,1-Trichloroethane
Concen: 54.327 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 97 Resp: 283605

Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.6	78.8
61	47.7	39.4	59.0

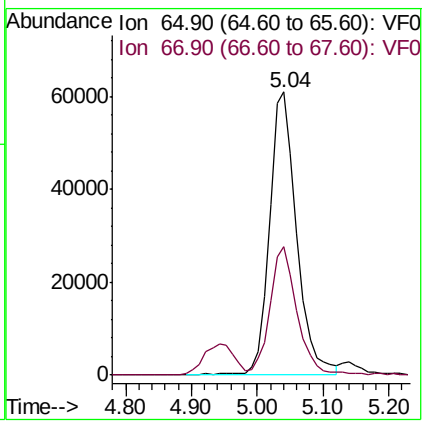




#33
1,2-Dichloroethane-d4
Concen: 52.588 ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.02 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

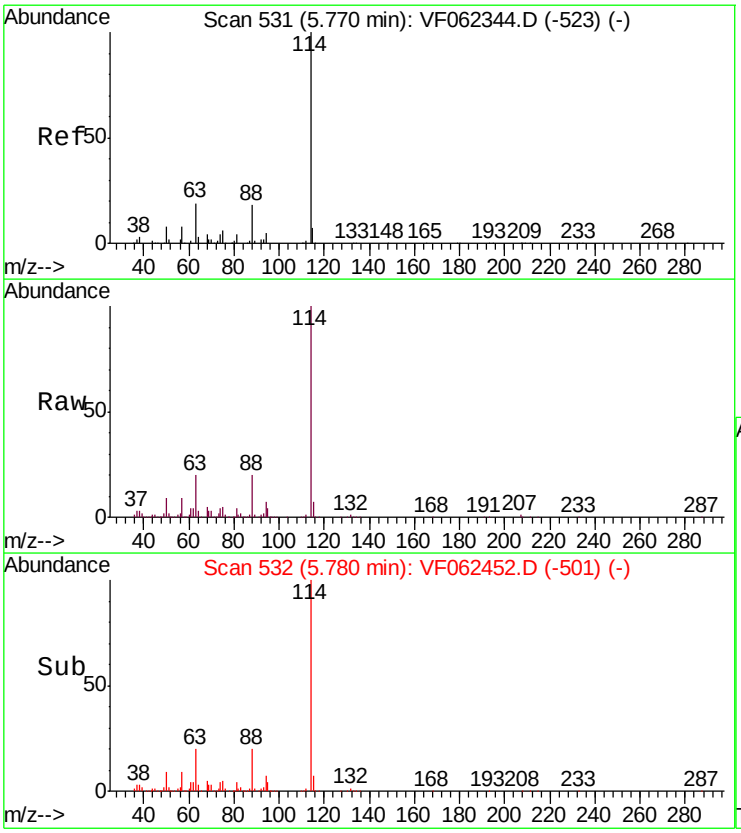
Tgt Ion: 65 Resp: 175145

Ion	Ratio	Lower	Upper
65	100		
67	44.3	0.0	85.8



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

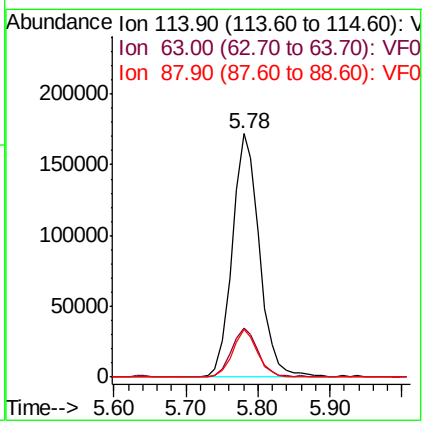
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

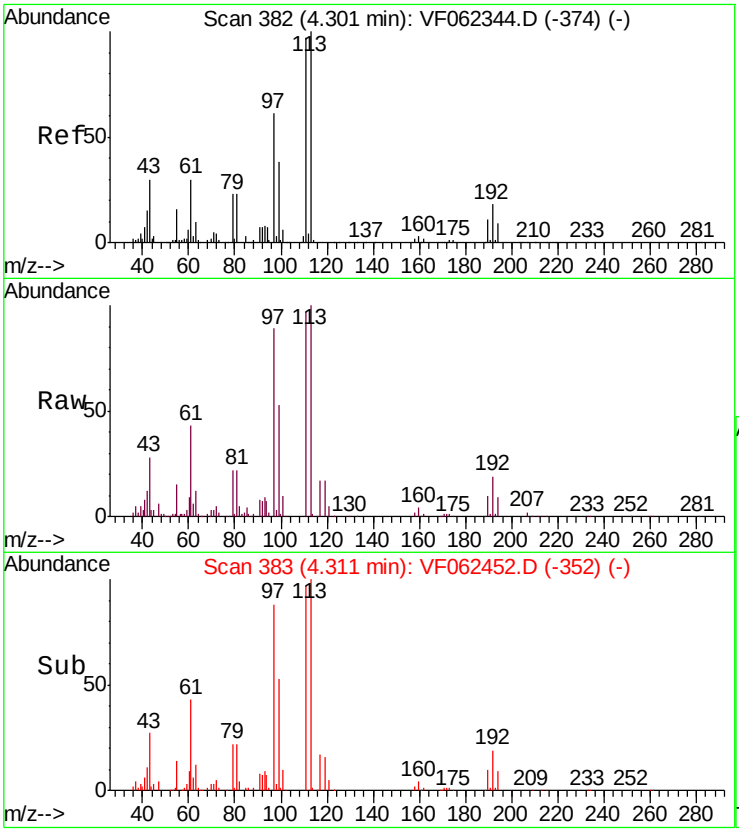


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 532
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion:114 Resp: 450501

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	37.4
88	19.9	0.0	36.4

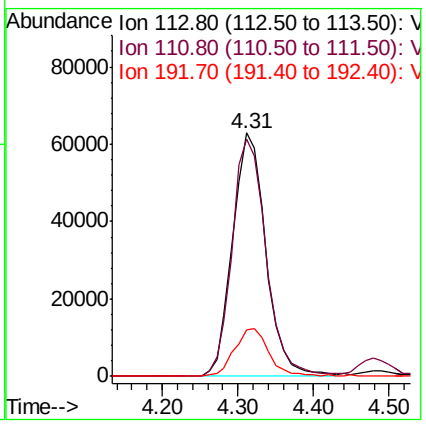




#35
Dibromofluoromethane
Concen: 53.549 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

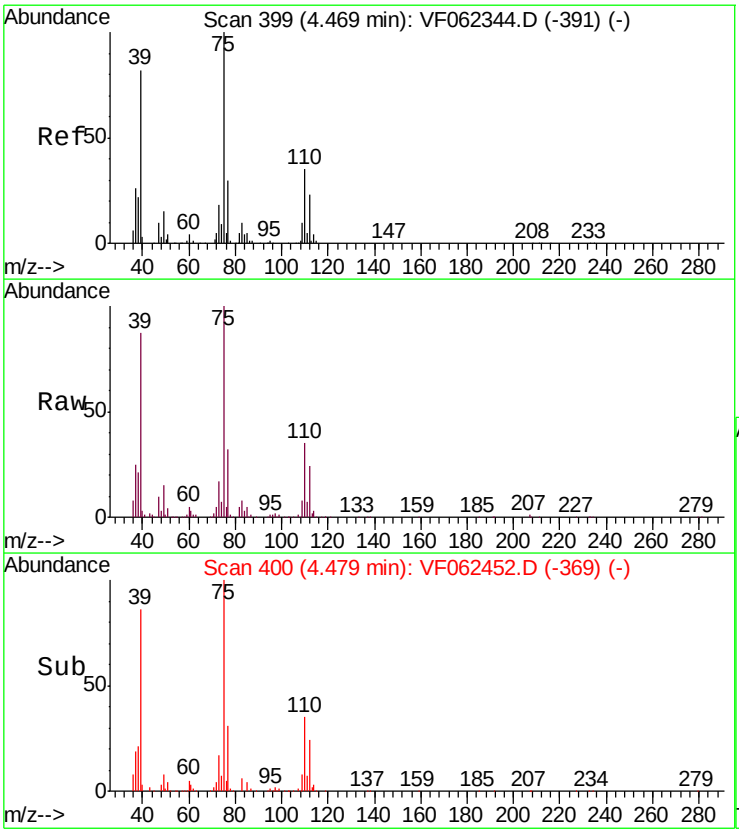
Tgt Ion:113 Resp: 192190

Ion	Ratio	Lower	Upper
113	100		
111	99.3	79.4	119.0
192	20.6	16.0	24.0



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

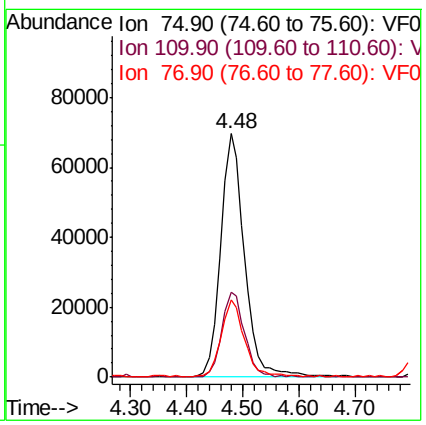
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

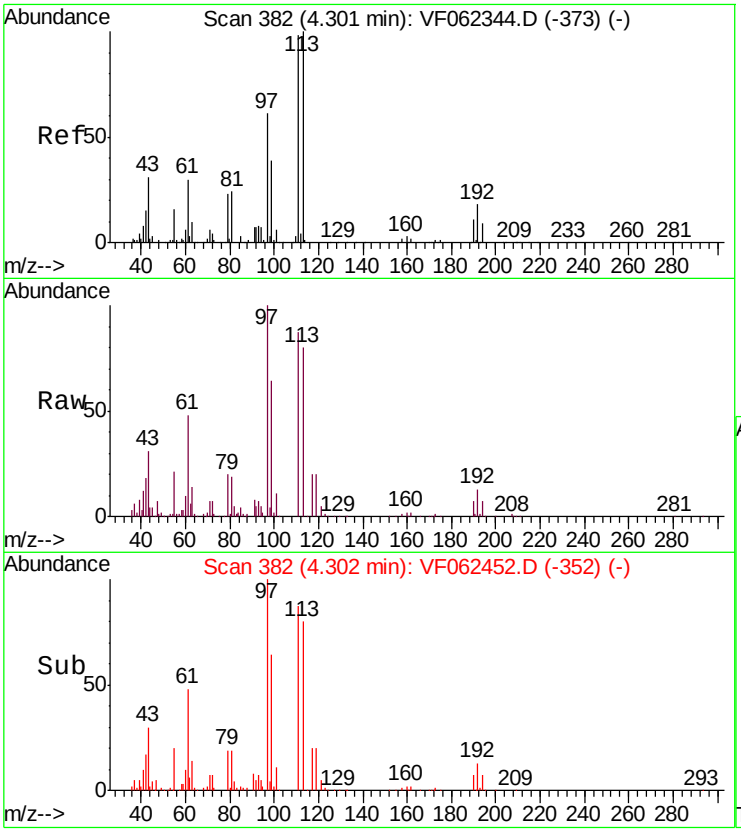


#36
1,1-Dichloropropene
Concen: 53.117 ug/l
RT: 4.48 min Scan# 400
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 75 Resp: 205560

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.2	51.5
77	30.5	25.2	37.8

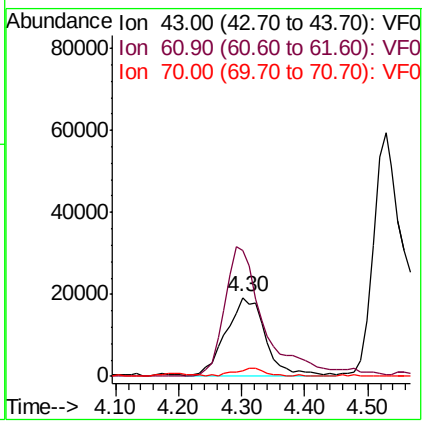




#37
Ethyl Acetate
Concen: 56.427 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

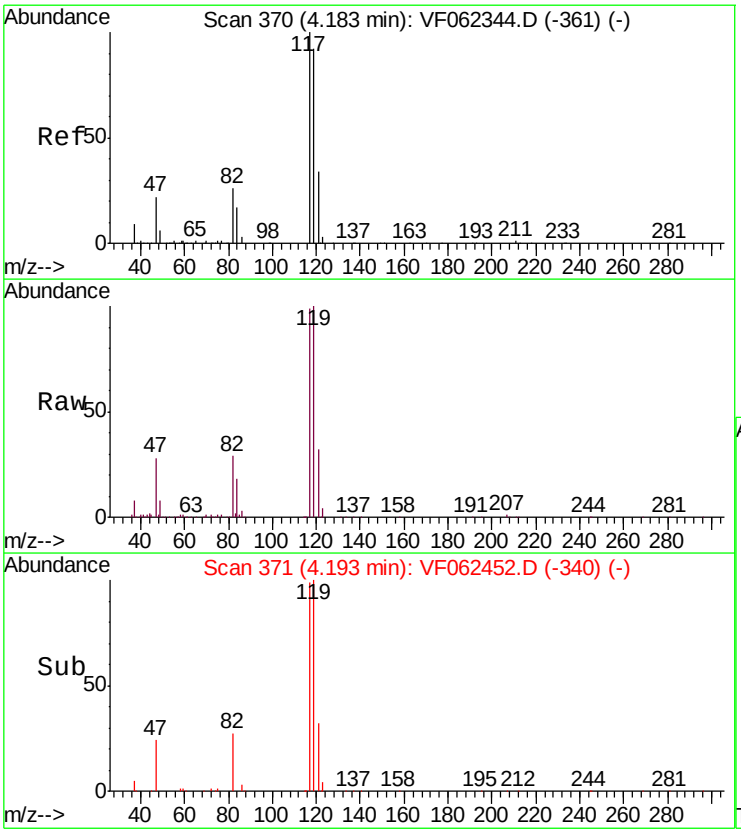
Tgt Ion: 43 Resp: 84014

Ion	Ratio	Lower	Upper
43	100		
61	161.2	0.0	0.0#
70	8.0	8.2	12.2#



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

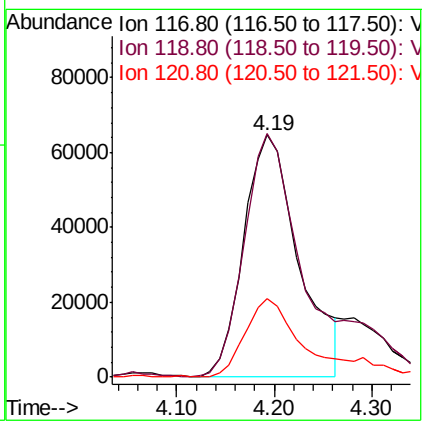
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

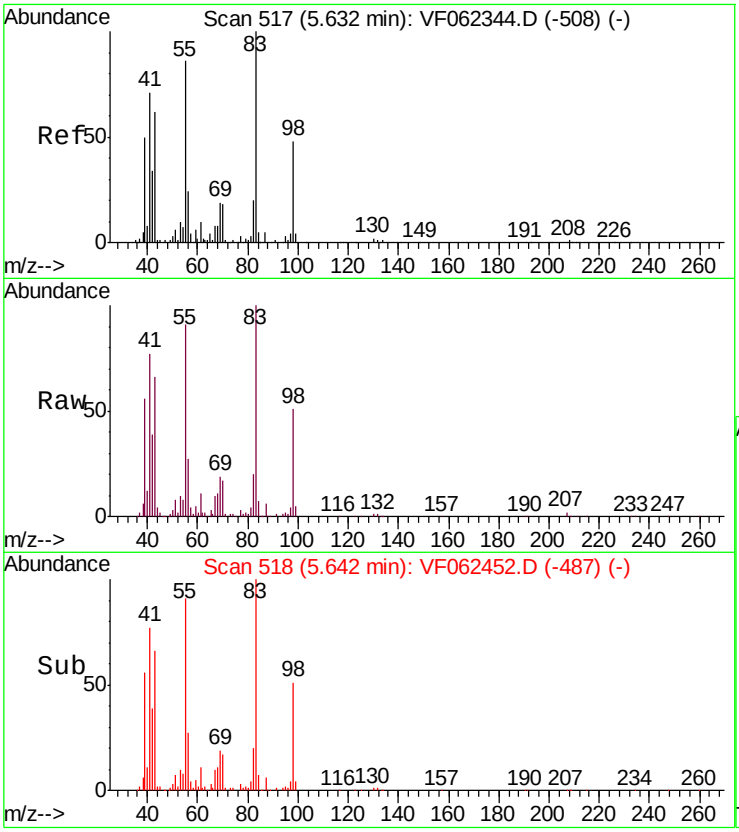


#38
Carbon Tetrachloride
Concen: 64.206 ug/l m
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion:117 Resp: 254556

Ion	Ratio	Lower	Upper
117	100		
119	100.7	73.4	110.2
121	32.3	27.4	41.0

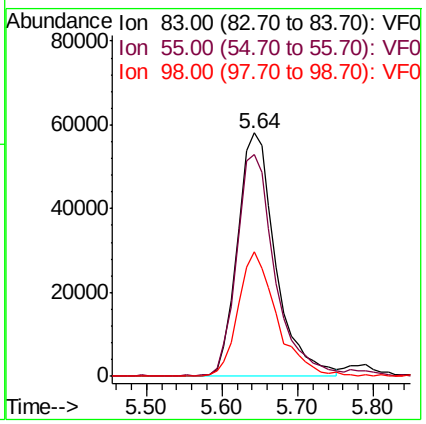




#39
Methylcyclohexane
Concen: 52.451 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

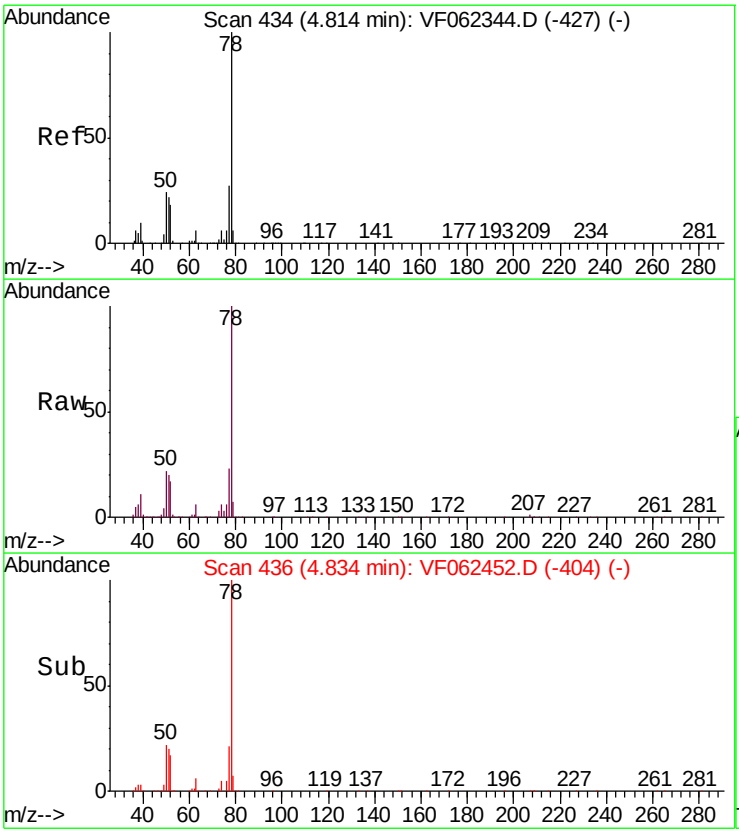
Tgt Ion: 83 Resp: 203574

Ion	Ratio	Lower	Upper
83	100		
55	90.4	69.0	103.6
98	51.2	38.6	58.0



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

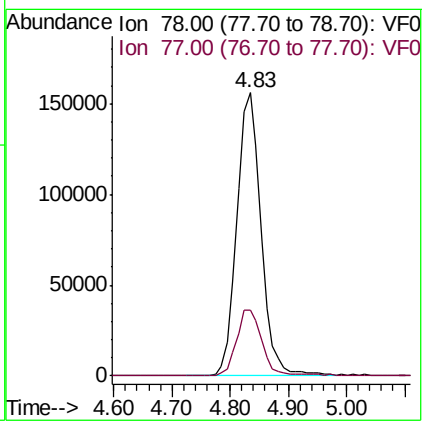
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

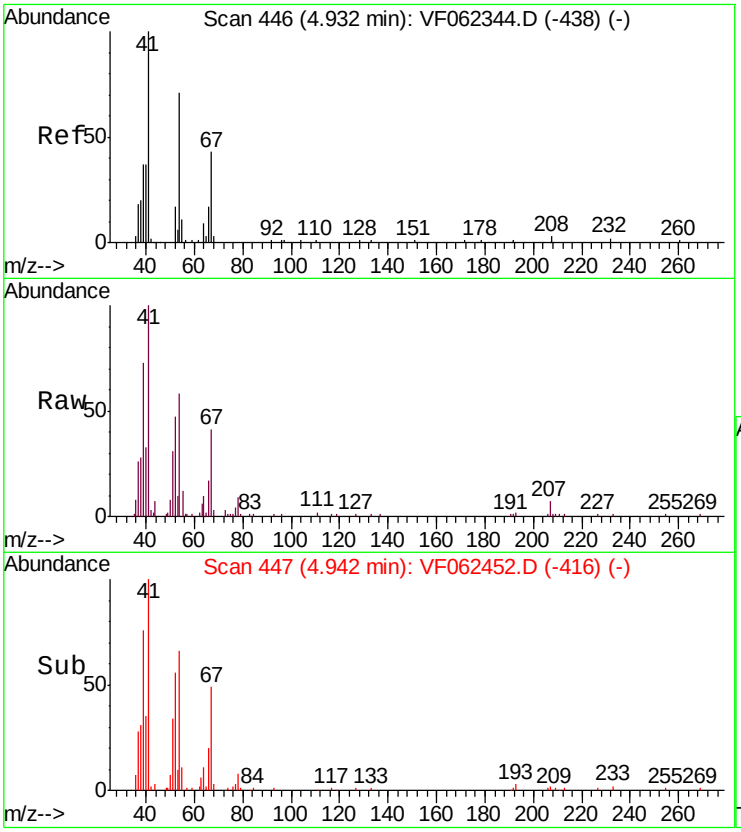


#40
Benzene
Concen: 53.033 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 78 Resp: 451946

Ion	Ratio	Lower	Upper
78	100		
77	23.2	21.6	32.4

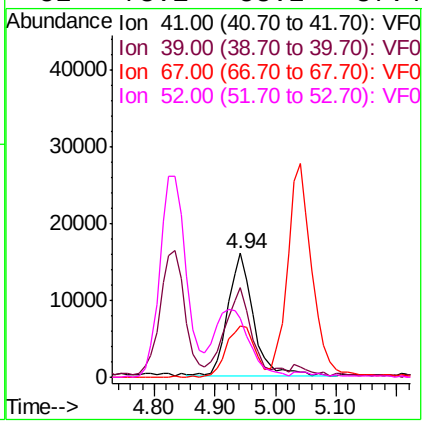




#41
Methacrylonitrile
Concen: 50.379 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

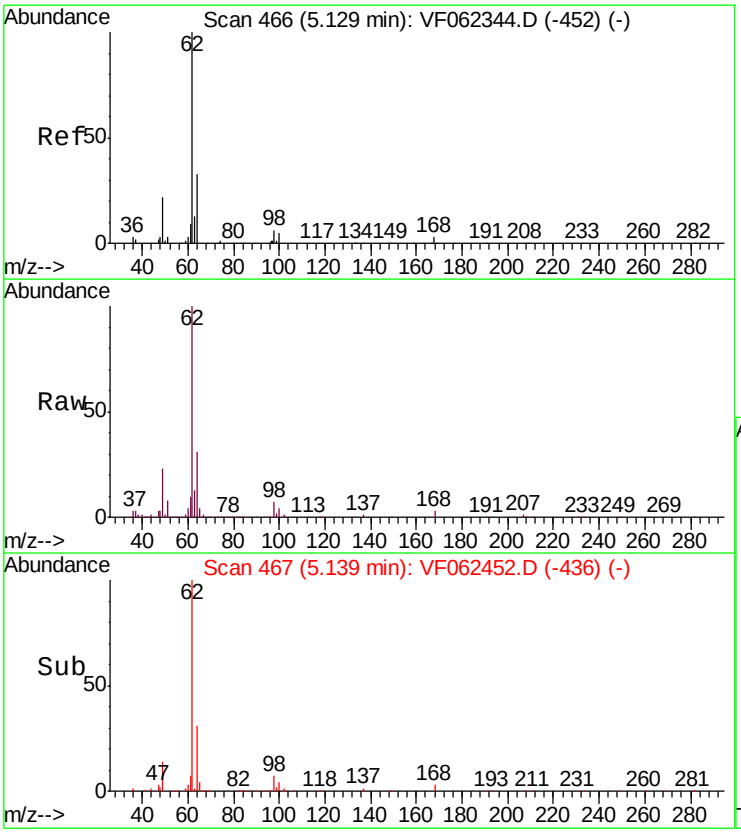
Tgt Ion: 41 Resp: 46749

Ion	Ratio	Lower	Upper
41	100		
39	74.1	54.3	81.5
67	45.6	37.8	56.8
52	73.1	58.2	87.4



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

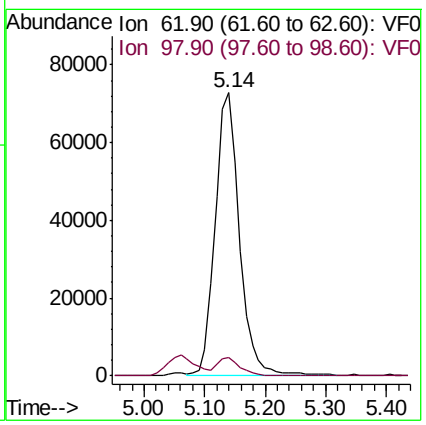
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

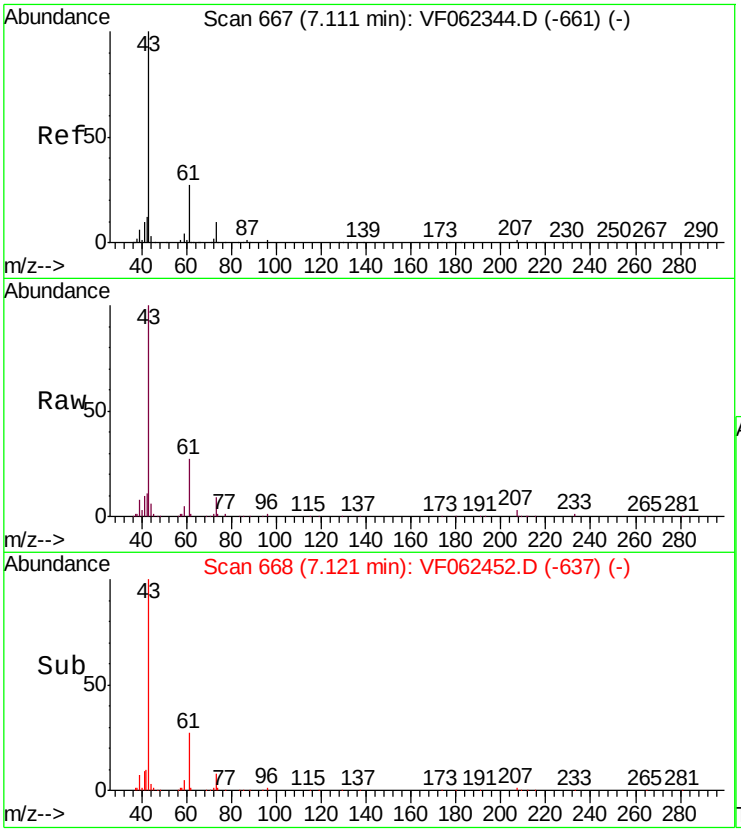


#42
1,2-Dichloroethane
Concen: 56.383 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 62 Resp: 200960

Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	12.4

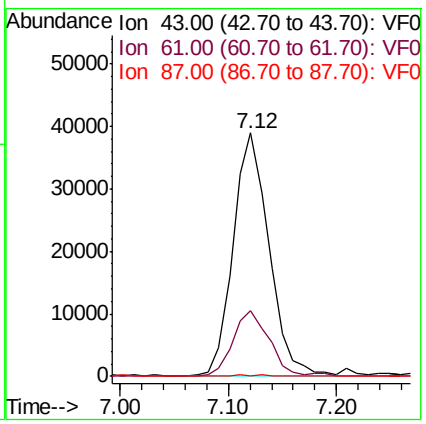




#43
Isopropyl Acetate
Concen: 50.745 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

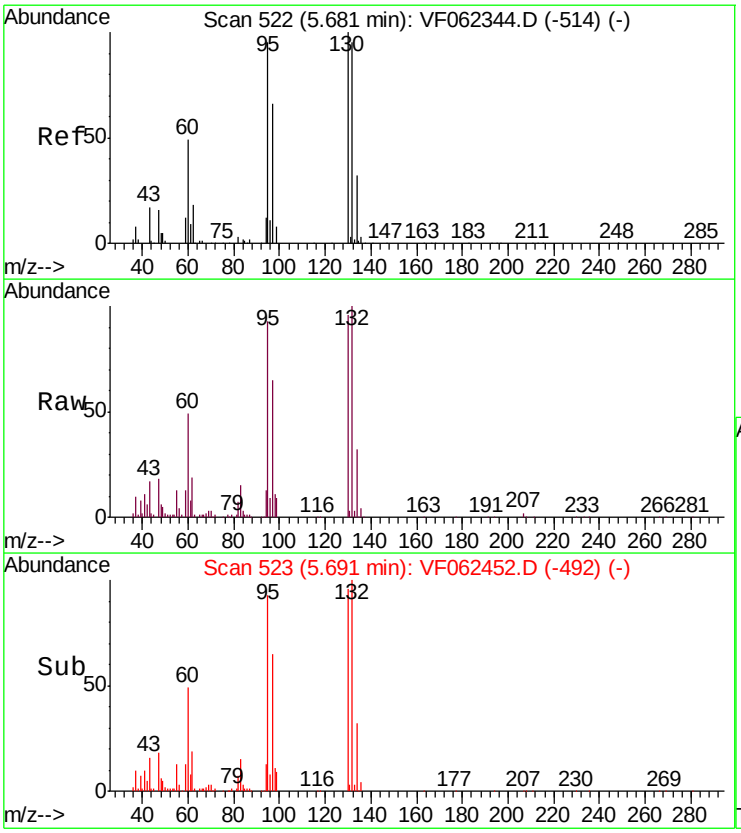
Tgt Ion: 43 Resp: 89324

Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.8	34.2
87	0.3	0.6	1.0#



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

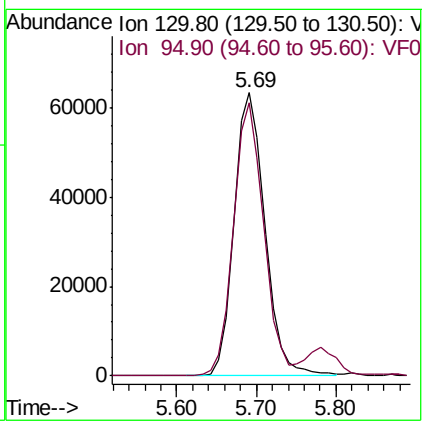
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

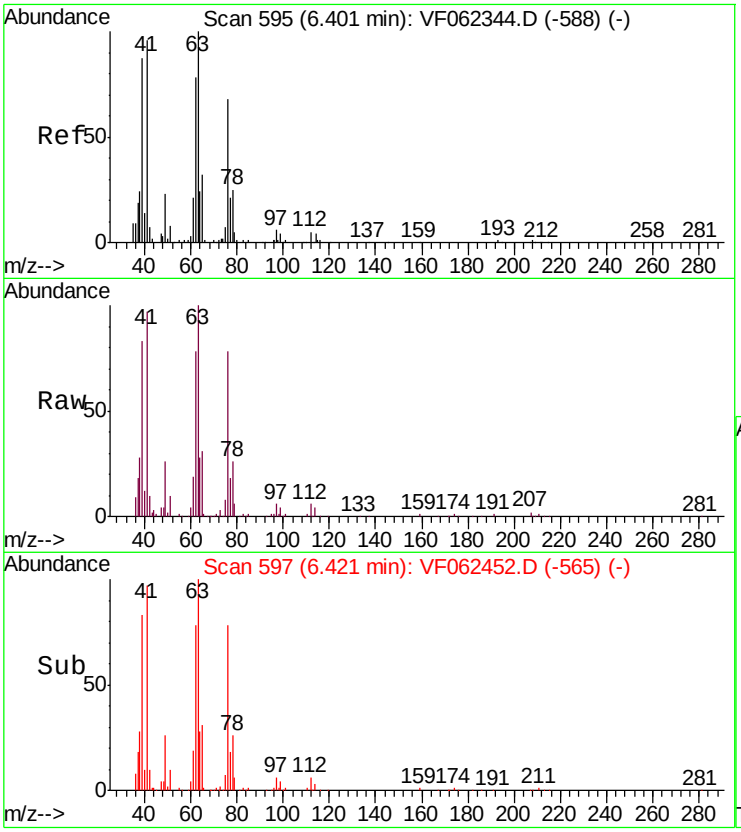


#44
Trichloroethene
Concen: 54.258 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion:130 Resp: 169854

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	189.0

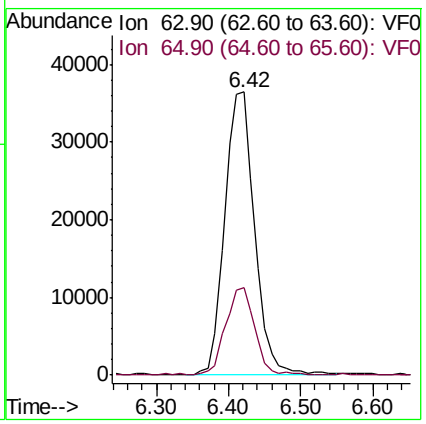




#45
1,2-Dichloropropane
Concen: 54.521 ug/l
RT: 6.42 min Scan# 597
Delta R.T. 0.02 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

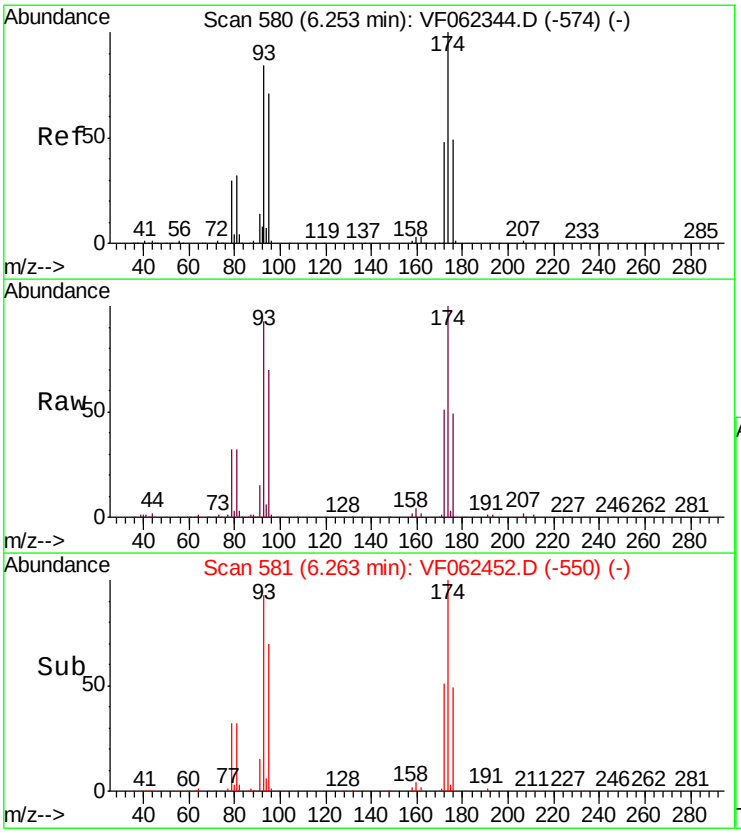
Tgt Ion: 63 Resp: 105239

Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.6	38.4



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

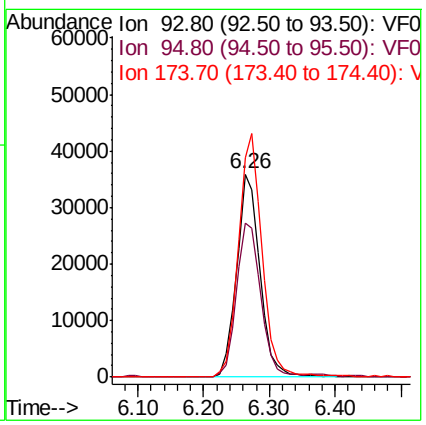
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

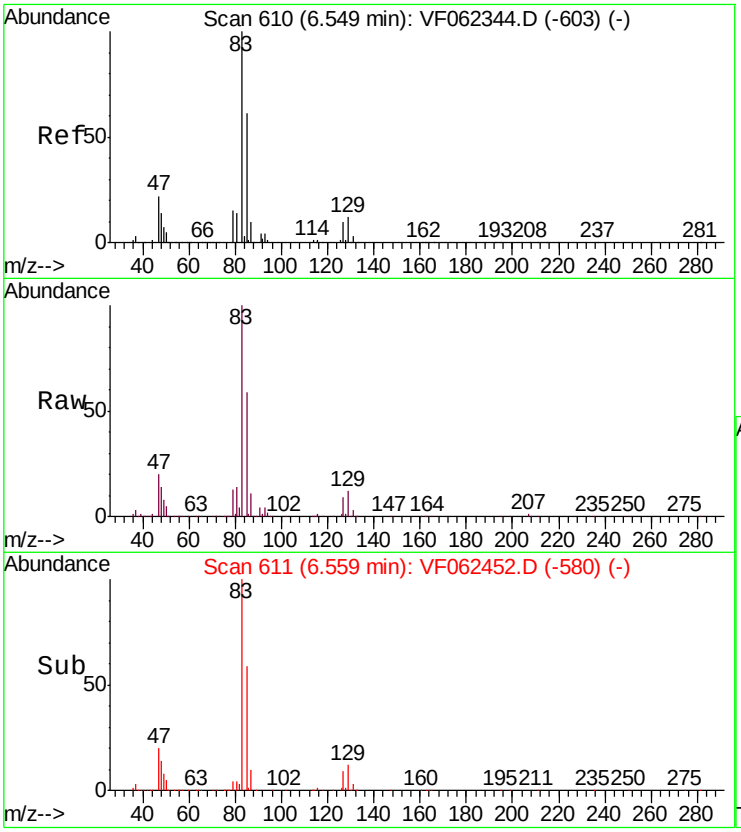


#46
Dibromomethane
Concen: 55.920 ug/l
RT: 6.26 min Scan# 581
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 93 Resp: 89494

Ion	Ratio	Lower	Upper
93	100		
95	79.1	68.4	102.6
174	121.3	99.6	149.4

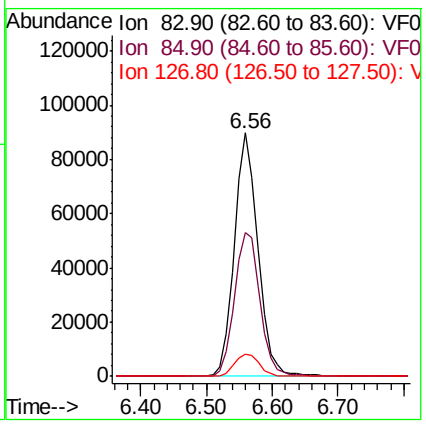




#47
Bromodichloromethane
Concen: 56.581 ug/l
RT: 6.56 min Scan# 611
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

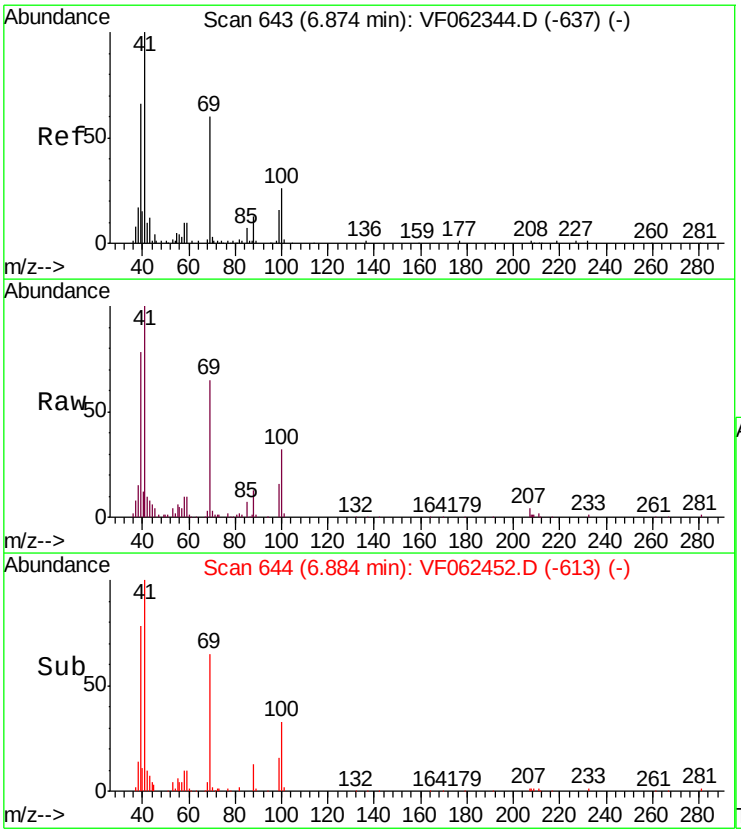
Tgt Ion: 83 Resp: 226395

Ion	Ratio	Lower	Upper
83	100		
85	59.1	49.1	73.7
127	9.0	7.8	11.8



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

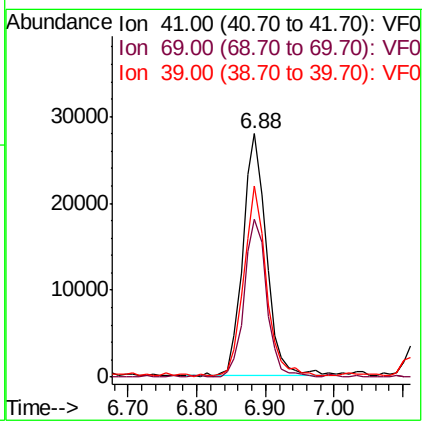
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

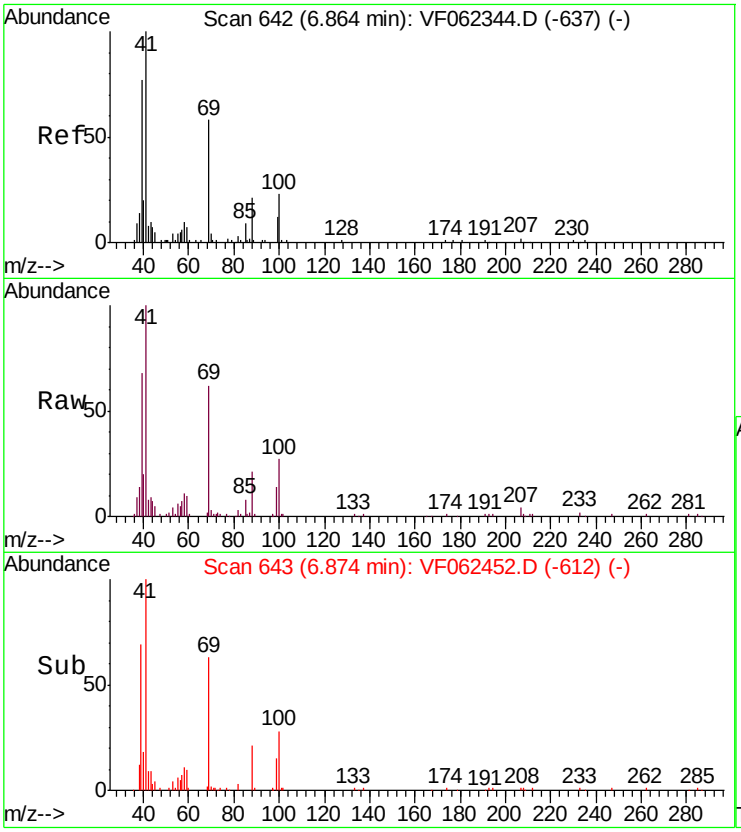


#48
Methyl methacrylate
Concen: 53.370 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 41 Resp: 66390

Ion	Ratio	Lower	Upper
41	100		
69	62.0	48.6	72.8
39	77.0	56.1	84.1

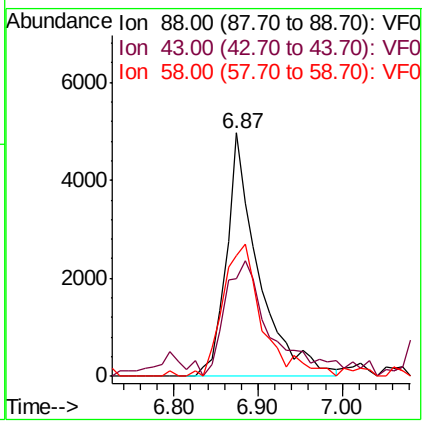




#49
1,4-Dioxane
Concen: 1025.439 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

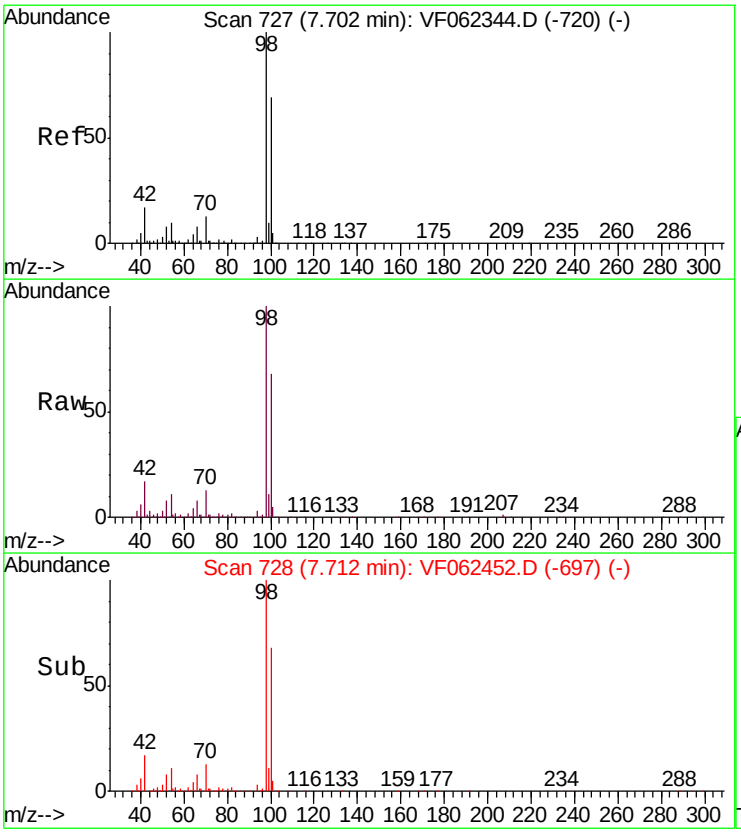
Tgt Ion: 88 Resp: 13115

Ion	Ratio	Lower	Upper
88	100		
43	68.2	55.6	83.4
58	67.3	52.8	79.2



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

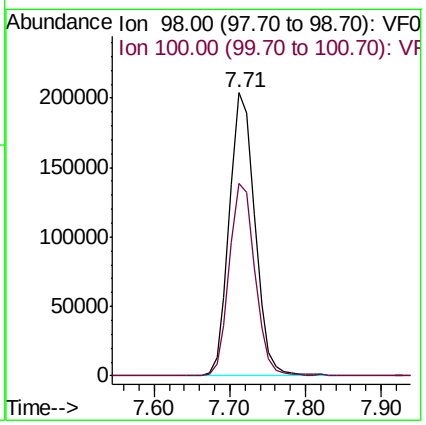
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

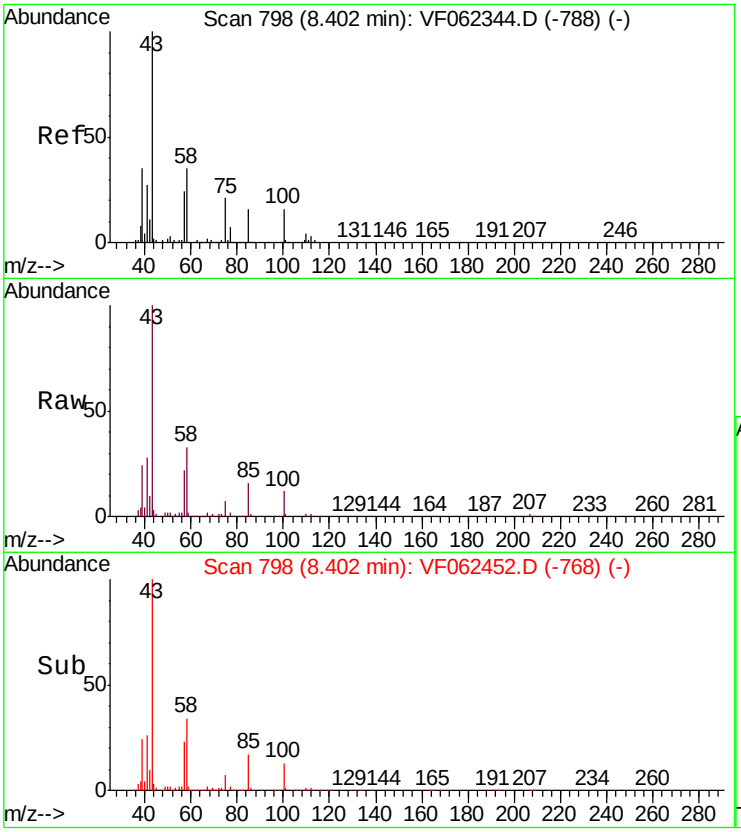


#50
Toluene-d8
Concen: 54.789 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 98 Resp: 476003

Ion	Ratio	Lower	Upper
98	100		
100	68.2	53.3	79.9





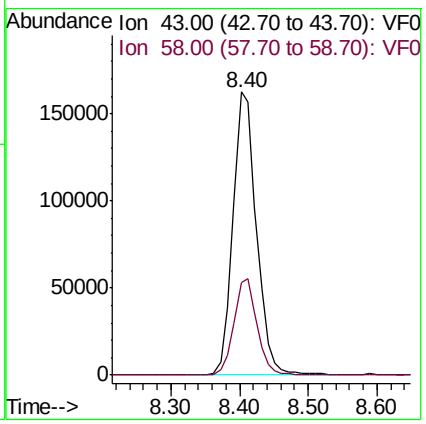
#51
4-Methyl-2-Pentanone
Concen: 285.986 ug/l
RT: 8.40 min Scan# 798
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

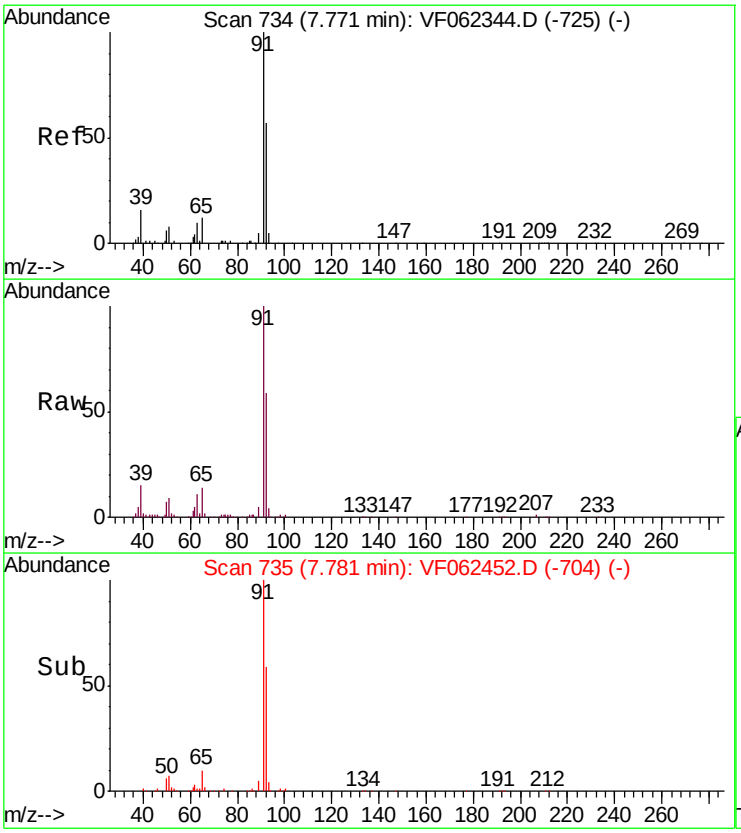
Tgt Ion: 43 Resp: 381454

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.8	41.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

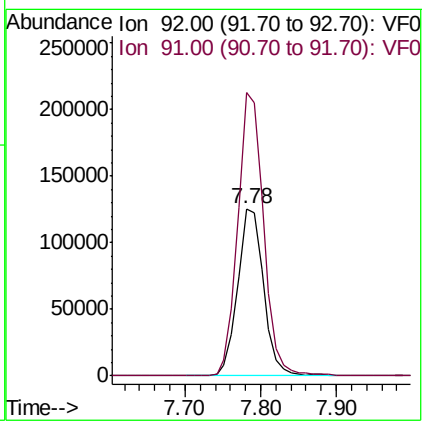


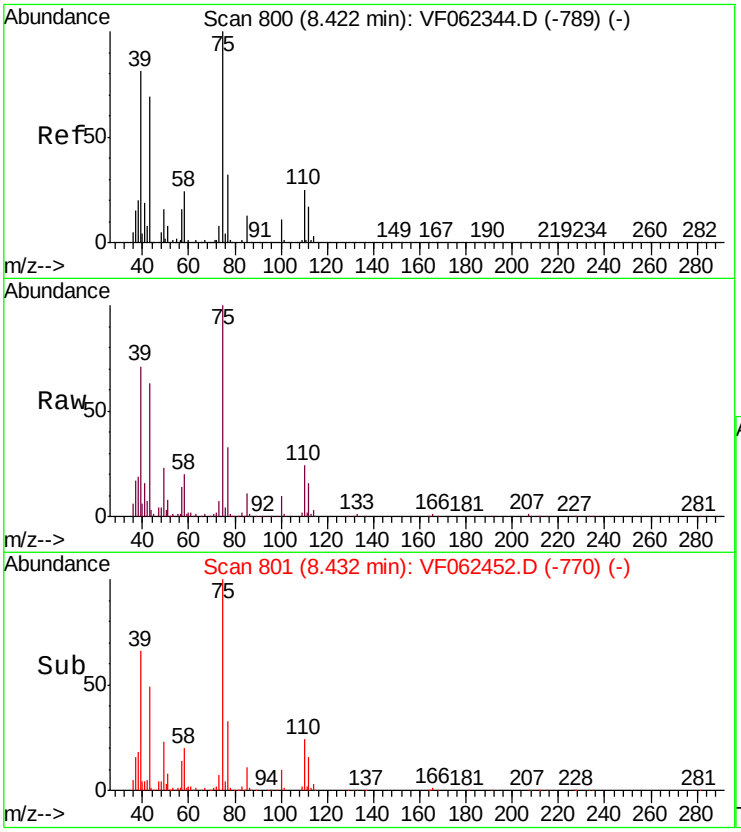


#52
Toluene
Concen: 56.380 ug/l
RT: 7.78 min Scan# 735
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 92 Resp: 296404

Ion	Ratio	Lower	Upper
92	100		
91	169.2	138.7	208.1





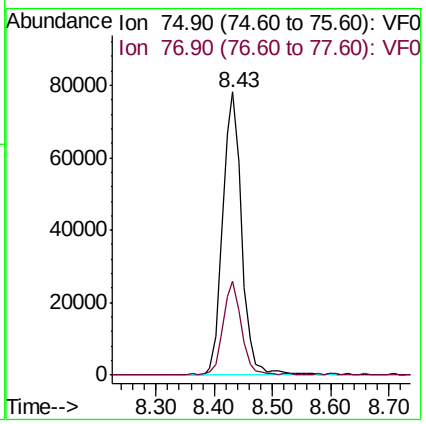
#53
t-1,3-Dichloropropene
Concen: 58.378 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

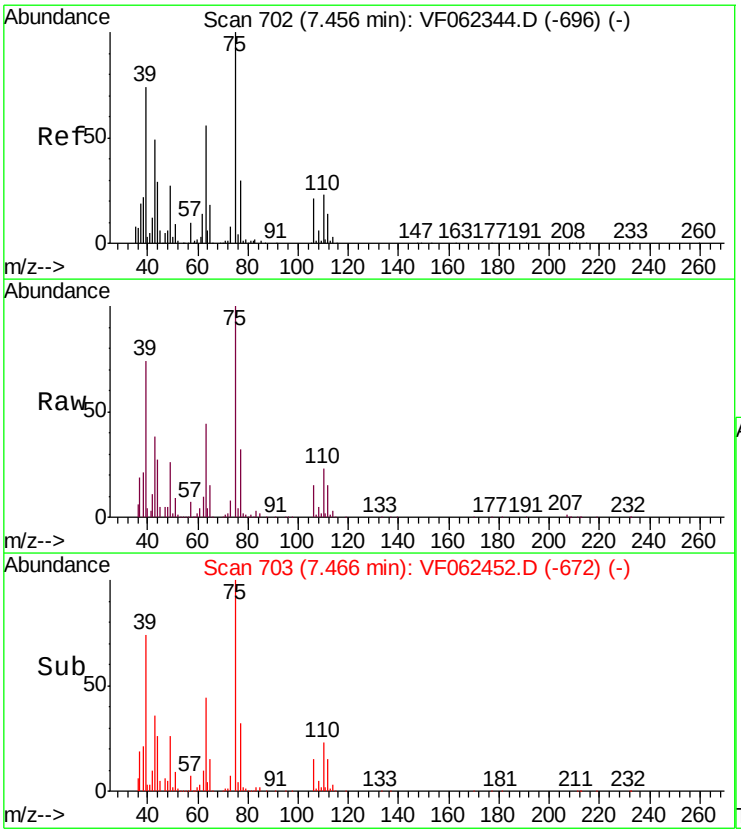
Tgt Ion: 75 Resp: 176668

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

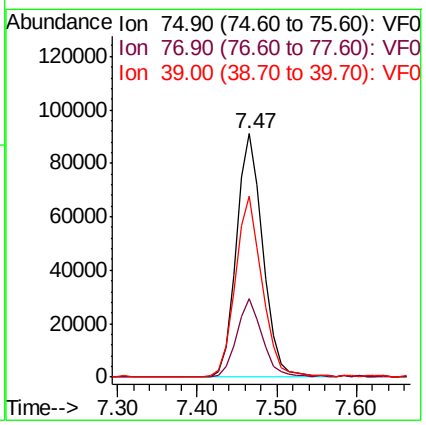


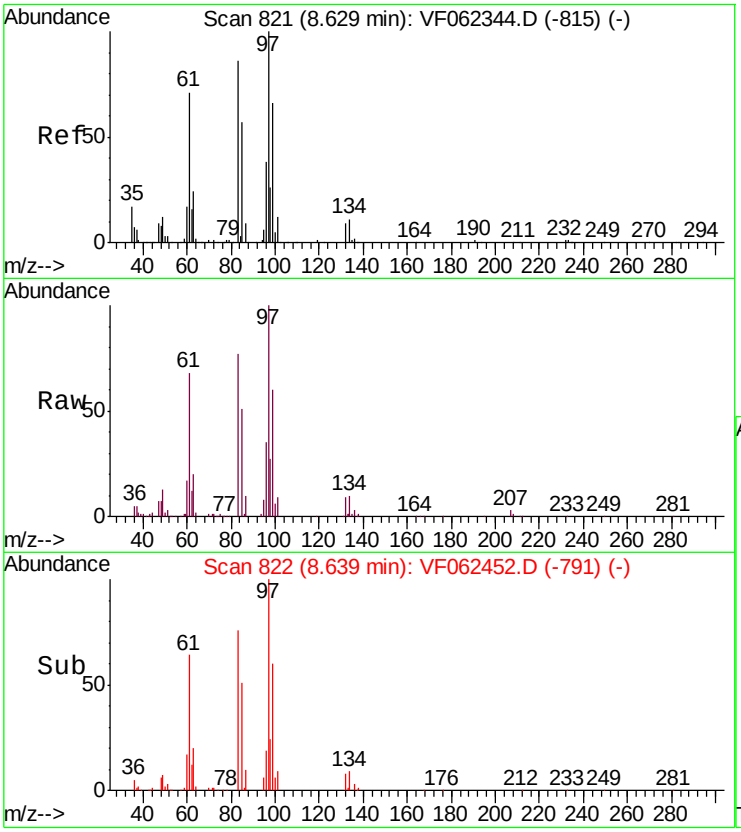


#54
cis-1,3-Dichloropropene
Concen: 59.515 ug/l
RT: 7.47 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 75 Resp: 209616

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.0	36.0
39	74.0	58.7	88.1

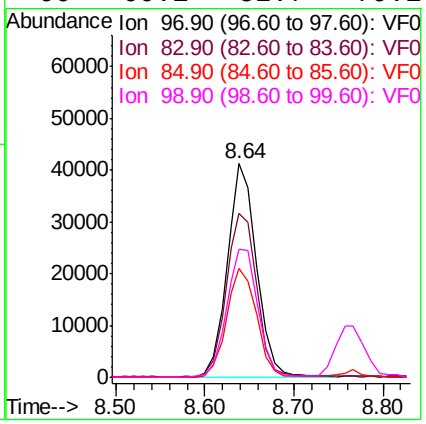




#55
1,1,2-Trichloroethane
Concen: 56.885 ug/l
RT: 8.64 min Scan# 822
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

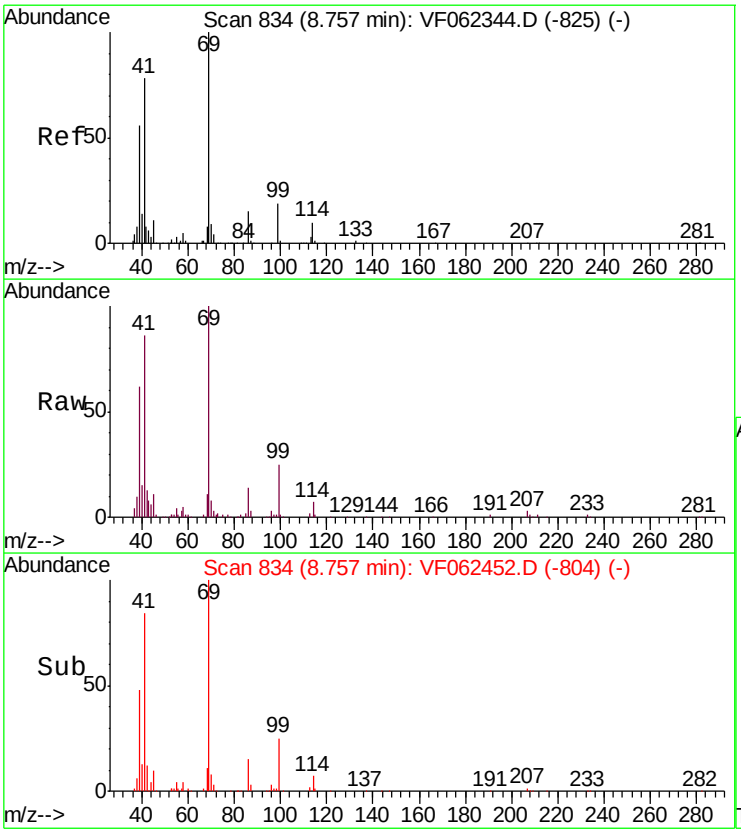
Tgt Ion: 97 Resp: 94936

Ion	Ratio	Lower	Upper
97	100		
83	76.1	68.5	102.7
85	50.8	45.4	68.2
99	60.1	52.7	79.1



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

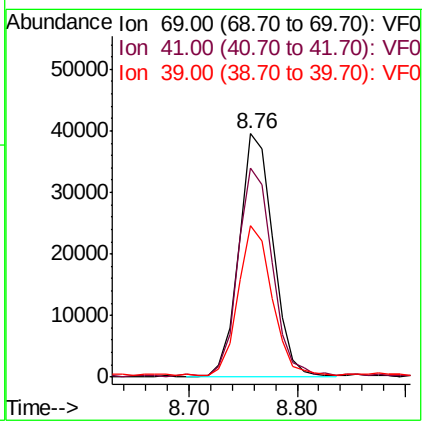
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

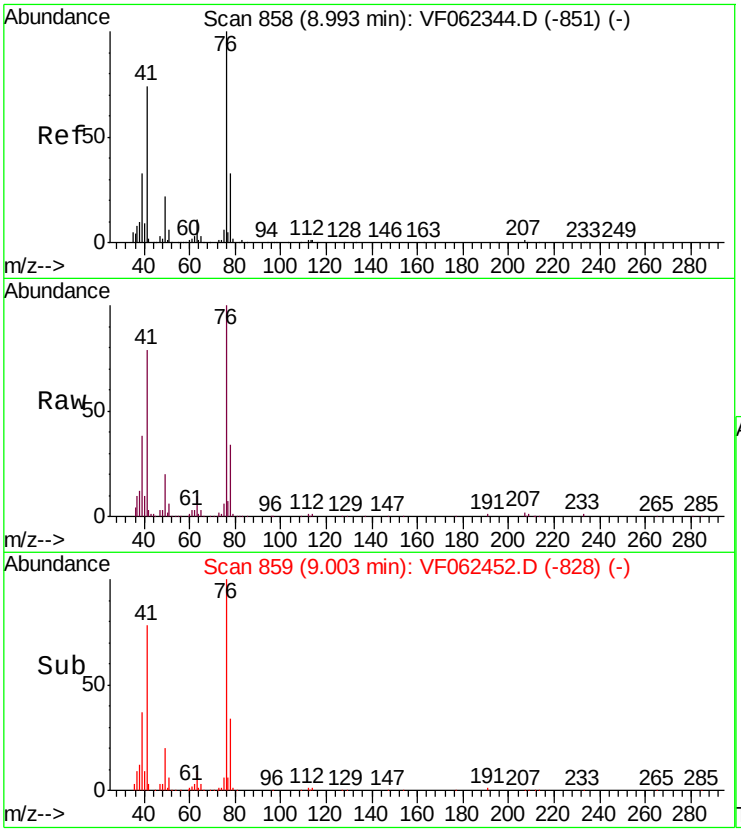


#56
Ethyl methacrylate
Concen: 49.352 ug/l
RT: 8.76 min Scan# 834
Delta R.T. 0.00 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 69 Resp: 86944

Ion	Ratio	Lower	Upper
69	100		
41	86.2	66.3	99.5
39	61.1	50.1	75.1

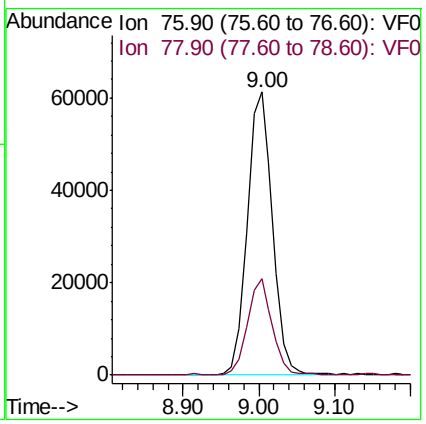




#57
1,3-Dichloropropane
Concen: 56.426 ug/l
RT: 9.00 min Scan# 859
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

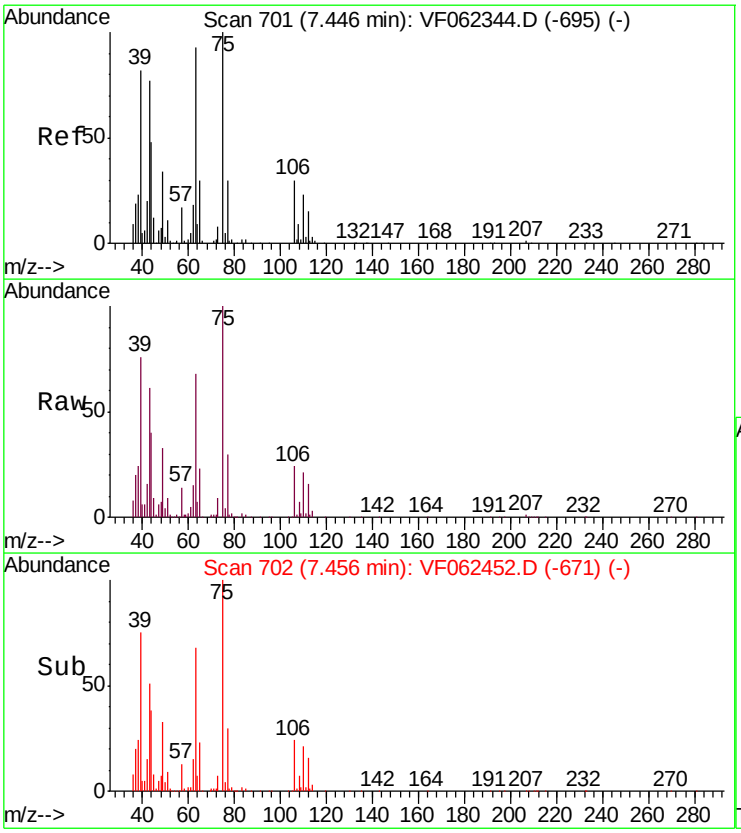
Tgt Ion: 76 Resp: 142245

Ion	Ratio	Lower	Upper
76	100		
78	33.8	26.4	39.6



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

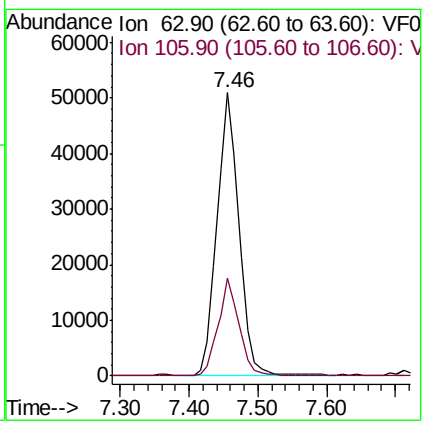
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

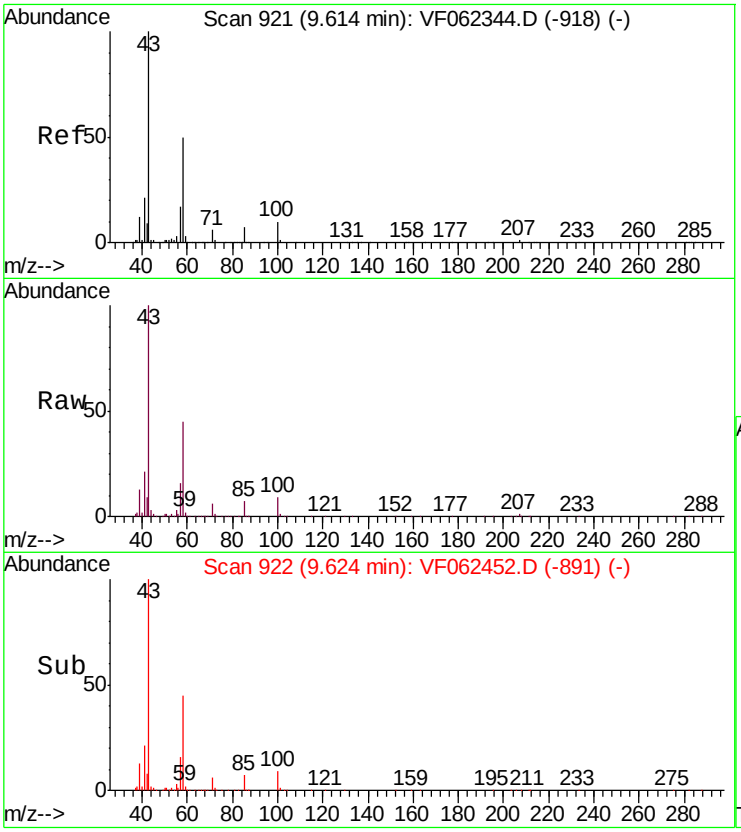


#58
2-Chloroethyl Vinyl ether
Concen: 213.721 ug/l
RT: 7.46 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 63 Resp: 113197

Ion	Ratio	Lower	Upper
63	100		
106	32.8	25.8	38.8

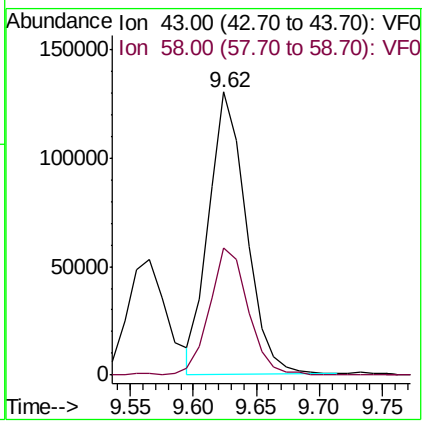




#59
2-Hexanone
Concen: 288.618 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

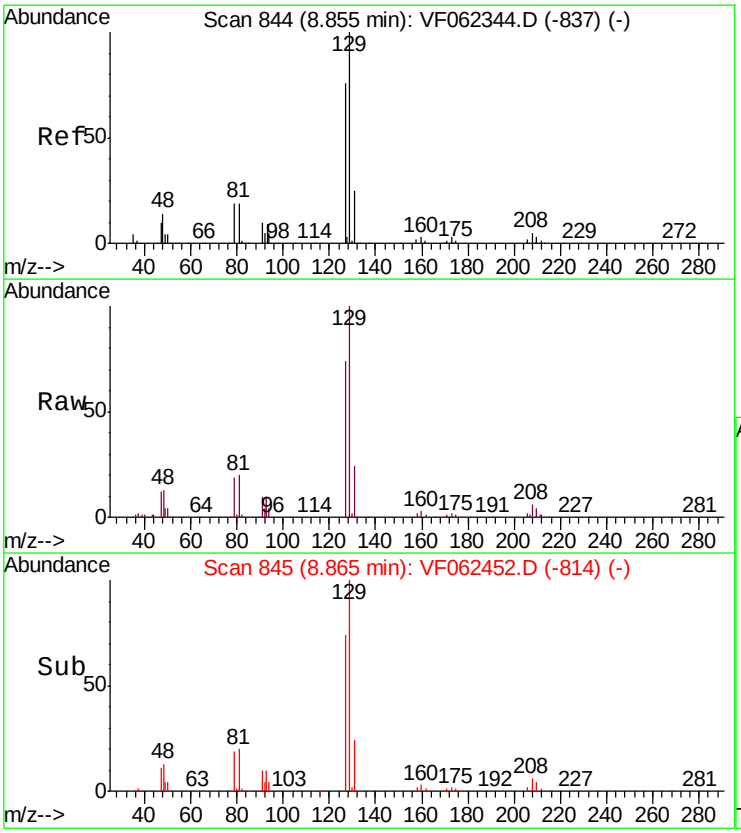
Tgt Ion: 43 Resp: 266242

Ion	Ratio	Lower	Upper
43	100		
58	47.4	24.3	73.0



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

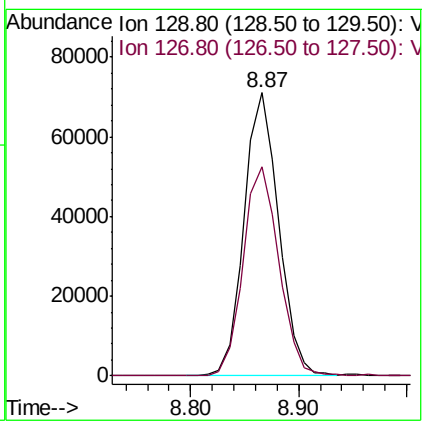
Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

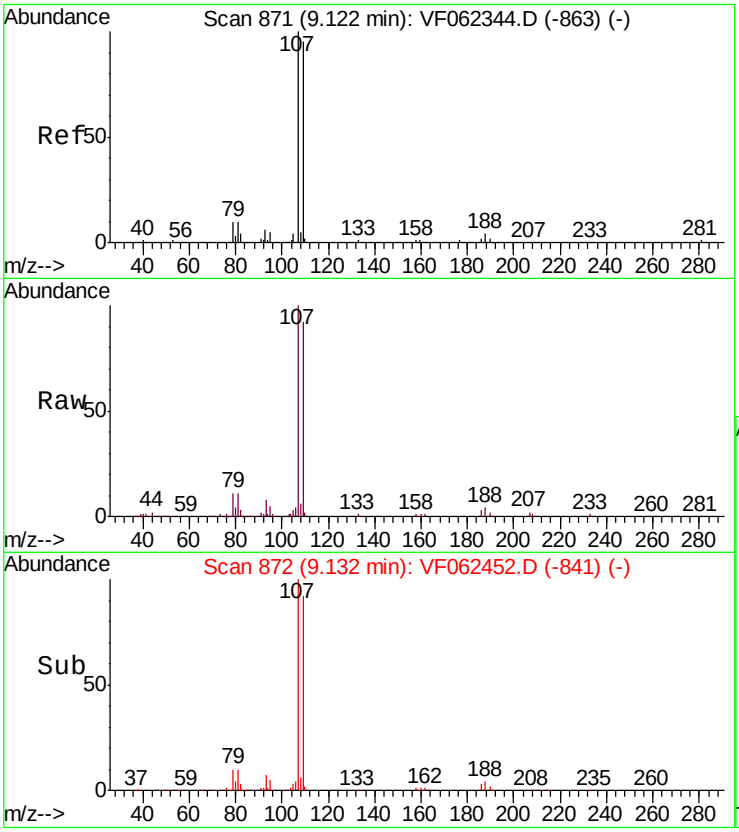


#60
Dibromochloromethane
Concen: 57.881 ug/l
RT: 8.87 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion:129 Resp: 157990

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3





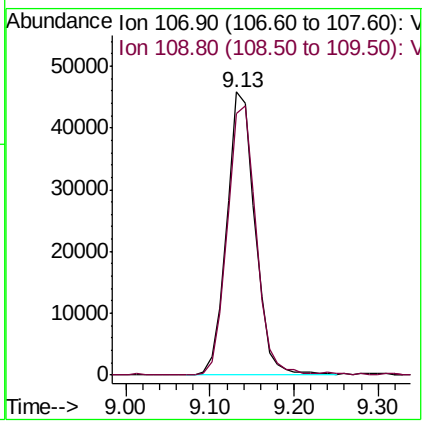
#61
1,2-Dibromoethane
Concen: 54.528 ug/l
RT: 9.13 min Scan# 872
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

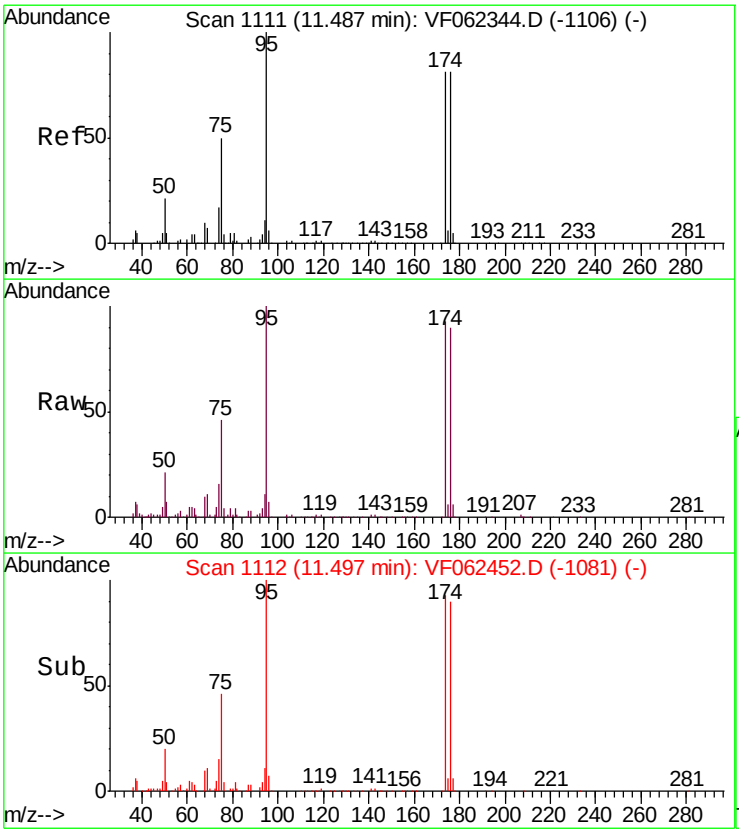
Tgt Ion:107 Resp: 106957

Ion	Ratio	Lower	Upper
107	100		
109	97.0	75.2	112.8

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM

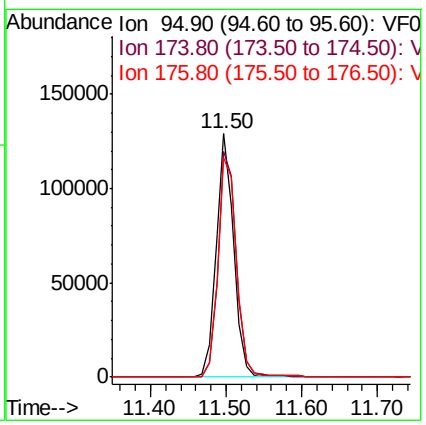


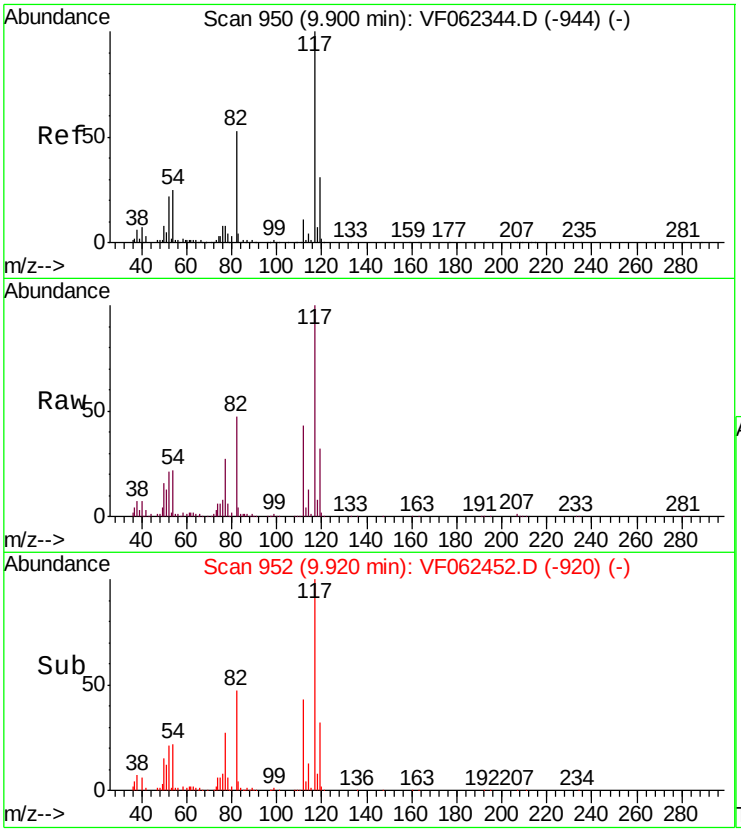


#62
4-Bromofluorobenzene
Concen: 53.707 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion: 95 Resp: 210511

Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	191.8
176	95.8	0.0	193.2

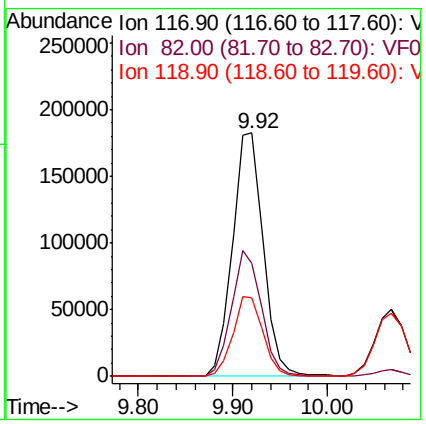




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

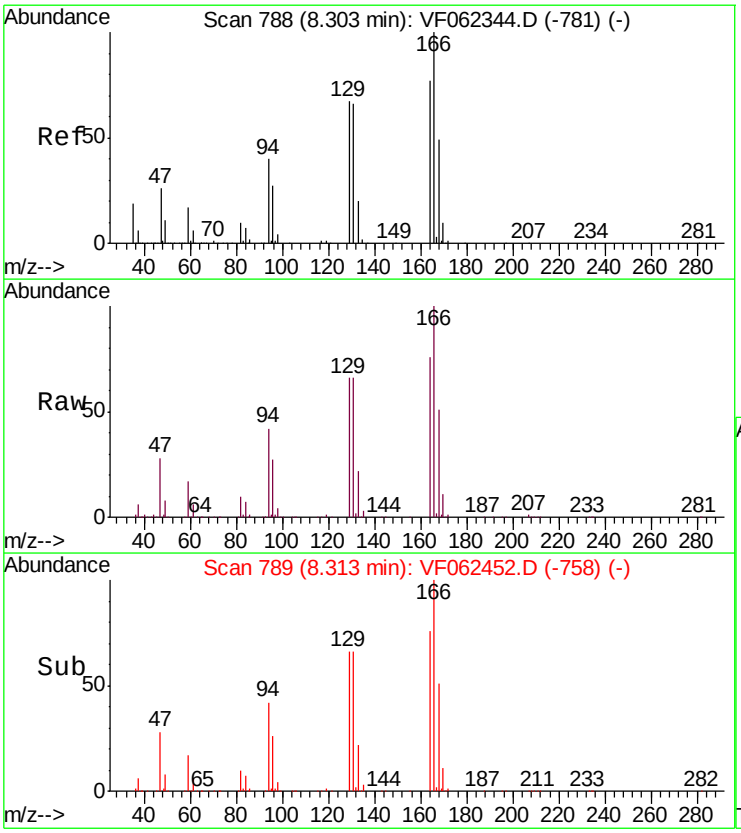
Tgt Ion:117 Resp: 410972

Ion	Ratio	Lower	Upper
117	100		
82	46.6	42.2	63.2
119	32.4	25.0	37.4



Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/12/2019 12:04:22 PM



#64
Tetrachloroethene
Concen: 49.089 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062452.D
Acq: 11 May 2019 10:42

Tgt Ion:164 Resp: 163781

Ion	Ratio	Lower	Upper
164	100		
166	131.7	104.2	156.4
129	87.5	69.6	104.4
131	87.4	68.8	103.2