

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061470.D
 Acq On : 21 Jan 2019 13:33
 Operator : VA/AP
 Sample : VF0121SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 2:50:17 PM

Quant Time: Jan 22 06:49:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	191647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	339866	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	310217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	152528	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	121527	51.36	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.72%	
35) Dibromofluoromethane	4.11	113	140011	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.42%	
50) Toluene-d8	7.55	98	358312	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.41	95	170886	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	68788	18.268	ug/l	88
3) Chloromethane	1.09	50	58416	21.157	ug/l	100
4) Vinyl Chloride	1.15	62	53416	21.748	ug/l	97
5) Bromomethane	1.31	94	32553	20.325	ug/l	97
6) Chloroethane	1.39	64	21214	19.493	ug/l	92
7) Trichlorofluoromethane	1.46	101	88767	18.591	ug/l	95
8) Diethyl Ether	1.63	74	10678	17.453	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.83	101	48872	21.302	ug/l	95
10) Methyl Iodide	1.90	142	73305m	20.610	ug/l	
11) Tert butyl alcohol	2.56	59	9726	97.111	ug/l	98
12) 1,1-Dichloroethene	1.80	96	36101m	21.180	ug/l	
13) Acrolein	2.00	56	6399	81.447	ug/l	99
14) Allyl chloride	2.10	41	65086	35.618	ug/l	91
15) Acrylonitrile	2.94	53	27607	107.611	ug/l	100
16) Acetone	2.23	43	60216	126.858	ug/l	100
17) Carbon Disulfide	1.80	76	114472m	21.539	ug/l	
18) Methyl Acetate	2.34	43	18626	19.786	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	68410	17.904	ug/l	94
20) Methylene Chloride	2.18	84	52254m	31.790	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	39171	20.887	ug/l	98
22) Diisopropyl ether	2.80	45	133106	21.944	ug/l	98
23) Vinyl Acetate	3.19	43	269760	103.011	ug/l	99
24) 1,1-Dichloroethane	2.88	63	73521	19.312	ug/l	98
25) 2-Butanone	4.34	43	83331	105.568	ug/l	100
26) 2,2-Dichloropropane	3.60	77	46212	19.757	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	57283	20.692	ug/l	95
28) Bromochloromethane	3.71	49	38590	22.550	ug/l	84
29) Tetrahydrofuran	4.07	42	31132	91.593	ug/l	93
30) Chloroform	3.86	83	103269	20.100	ug/l	97
31) Cyclohexane	3.69	56	88123m	23.173	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	75201	19.962	ug/l	91
36) 1,1-Dichloropropene	4.28	75	76590	19.436	ug/l	97
37) Ethyl Acetate	4.10	43	26863	17.054	ug/l #	65
38) Carbon Tetrachloride	3.99	117	64203	18.637	ug/l	91

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	82723	19.371	ug/l	97
40) Benzene	4.63	78	170197	19.410	ug/l	97
41) Methacrylonitrile	4.74	41	16102	19.211	ug/l #	95
42) 1,2-Dichloroethane	4.95	62	52156	16.692	ug/l	97
43) Isopropyl Acetate	6.96	43	34850	17.628	ug/l #	78
44) Trichloroethene	5.50	130	51369	19.097	ug/l	96
45) 1,2-Dichloropropane	6.24	63	44669	19.410	ug/l	96
46) Dibromomethane	6.09	93	25475	16.648	ug/l	92
47) Bromodichloromethane	6.39	83	69047	18.237	ug/l	92
48) Methyl methacrylate	6.71	41	21859	16.466	ug/l	93
49) 1,4-Dioxane	6.71	88	4118	402.945	ug/l #	78
51) 4-Methyl-2-Pentanone	8.25	43	134648	92.645	ug/l	99
52) Toluene	7.62	92	106703	18.479	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	54327	18.071	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	70006	18.629	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	29204	17.810	ug/l	94
56) Ethyl methacrylate	8.62	69	32430	16.999	ug/l	92
57) 1,3-Dichloropropane	8.85	76	54925	17.871	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	17068	103.446	ug/l	91
59) 2-Hexanone	9.49	43	105436	104.035	ug/l	98
60) Dibromochloromethane	8.71	129	41395	17.268	ug/l	96
61) 1,2-Dibromoethane	8.98	107	31473	16.766	ug/l #	81
64) Tetrachloroethene	8.15	164	42786	18.341	ug/l	97
65) Chlorobenzene	9.80	112	121733	19.297	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	49635	19.751	ug/l	97
67) Ethyl Benzene	9.90	91	223697	19.408	ug/l	96
68) m/p-Xylenes	10.13	106	162388	39.172	ug/l	97
69) o-Xylene	10.71	106	90414	20.123	ug/l	90
70) Styrene	10.79	104	115849	18.837	ug/l	99
71) Bromoform	10.77	173	20792	18.414	ug/l #	95
73) Isopropylbenzene	11.12	105	259576	20.924	ug/l	97
74) N-amyl acetate	11.37	43	59564	20.305	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	42811	19.372	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	30680	19.320	ug/l	99
77) Bromobenzene	11.50	156	49395	18.854	ug/l	95
78) n-propylbenzene	11.60	91	311768	19.262	ug/l	99
79) 2-Chlorotoluene	11.71	91	180777	21.003	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	217464	21.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	12921m	18.718	ug/l	
82) 4-Chlorotoluene	11.90	91	170965	19.684	ug/l	100
83) tert-Butylbenzene	12.13	119	217329	20.974	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	209884	20.353	ug/l	96
85) sec-Butylbenzene	12.31	105	279518	19.864	ug/l	98
86) p-Isopropyltoluene	12.45	119	248336	21.498	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	105015	19.058	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	98384	19.873	ug/l	98
89) n-Butylbenzene	12.84	91	253013	21.238	ug/l	95
90) Hexachloroethane	12.92	117	56368	20.701	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	95629	19.512	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6343	16.182	ug/l	70

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	60488	17.618	ug/l	98
94) Hexachlorobutadiene	14.19	225	37860	17.771	ug/l	97
95) Naphthalene	14.46	128	100519	15.410	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	53741	16.909	ug/l	96

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

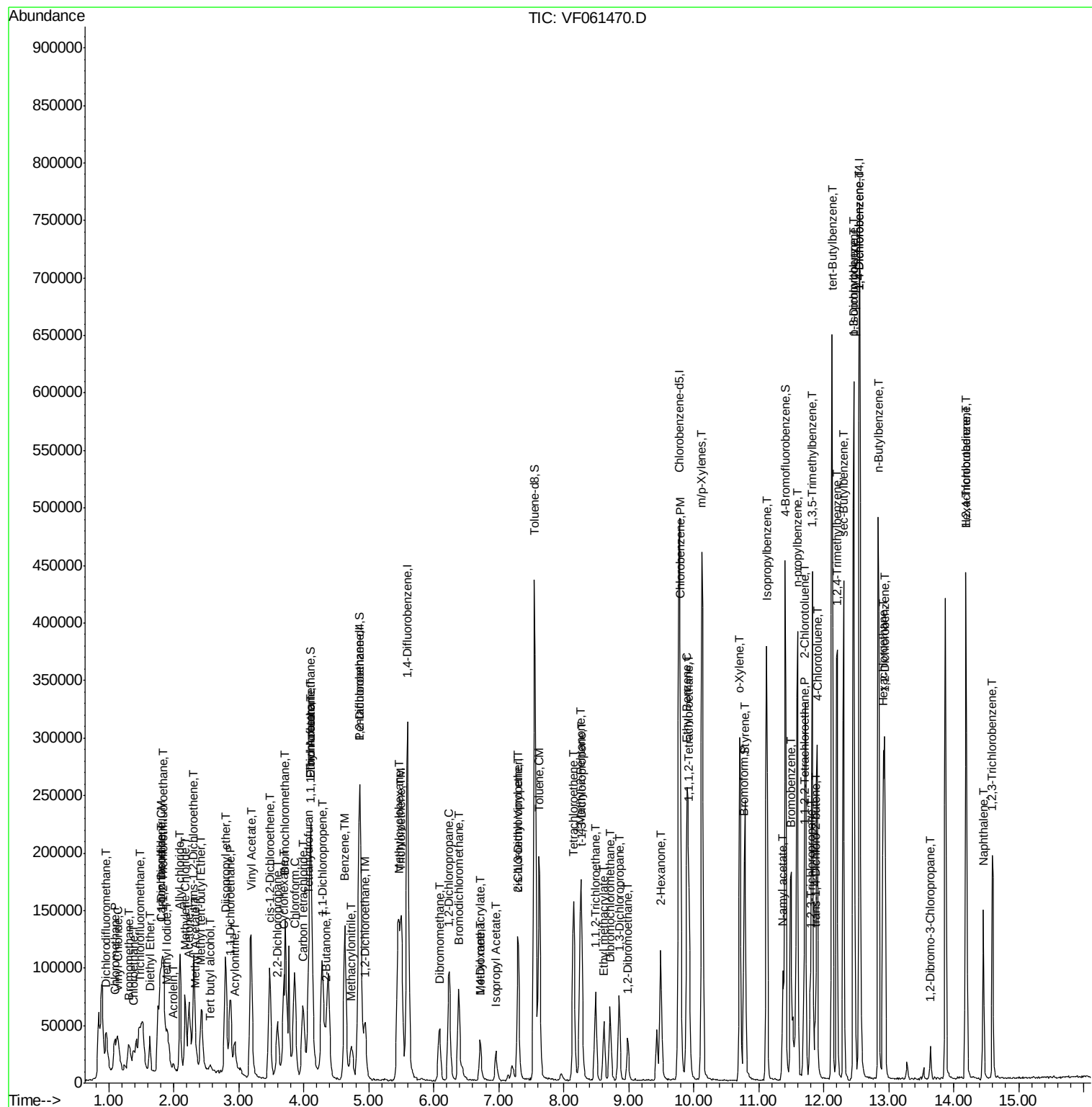
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012119\
Data File : VF061470.D
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Operator : VA/AP
Sample : VF0121SBS01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

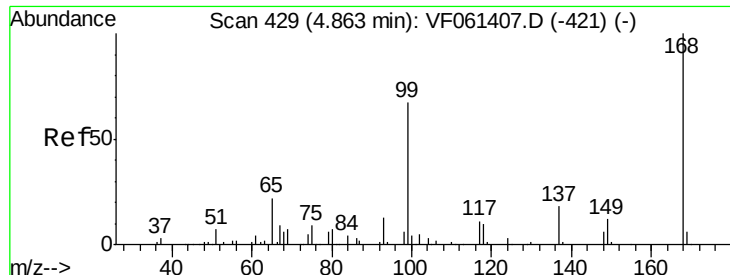
Instrument :
MSVOA_F
Client Sample Id :
VF0121SBS01

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion:168 Resp: 191647

Ion Ratio Lower Upper

168 100

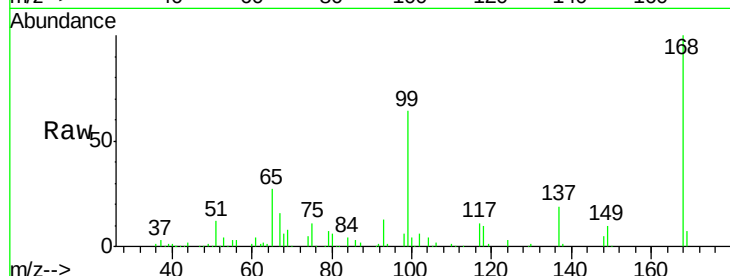
99 64.5 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

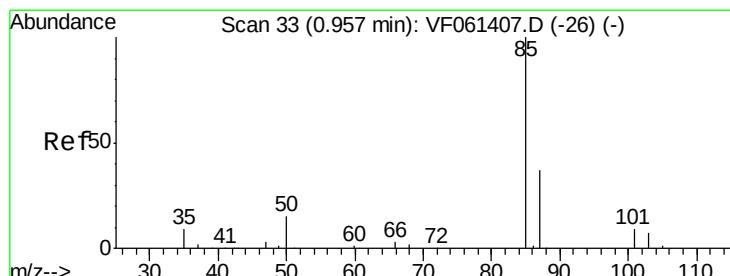
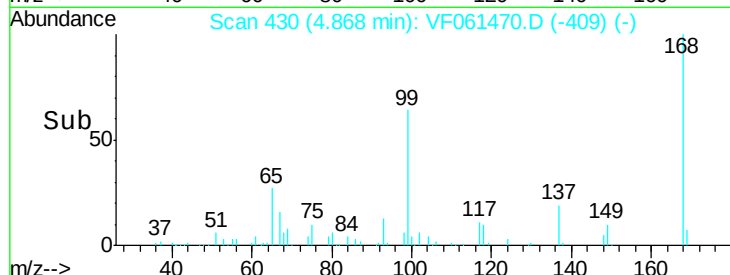
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 18.268 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061470.D

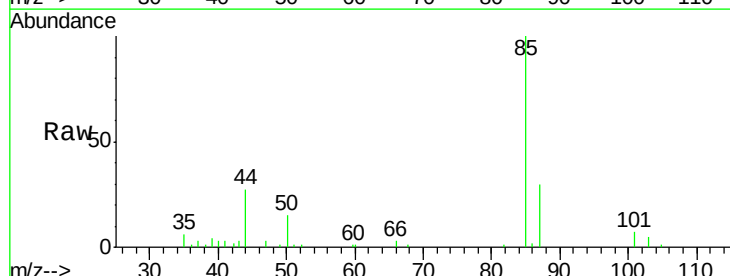
Acq: 21 Jan 2019 13:33

Tgt Ion: 85 Resp: 68788

Ion Ratio Lower Upper

85 100

87 29.6 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

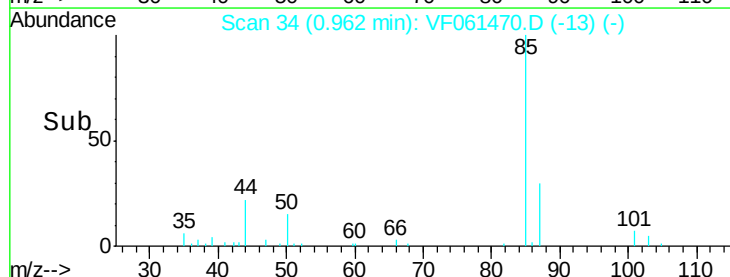
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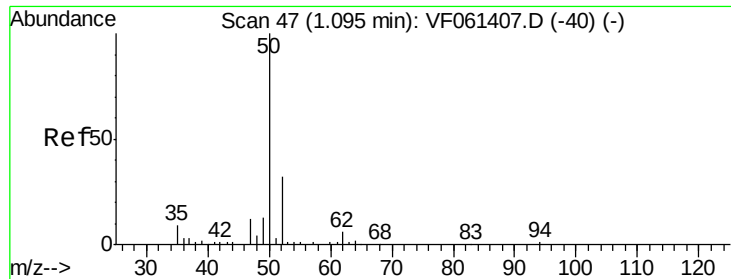
10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 21.157 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion: 50 Resp: 58416

Ion Ratio Lower Upper

50 100

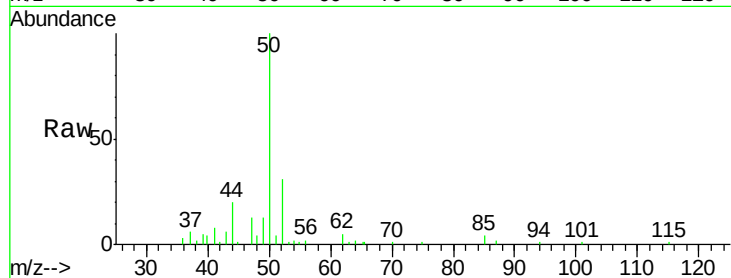
52 30.7 24.6 36.8

Manual Integrations

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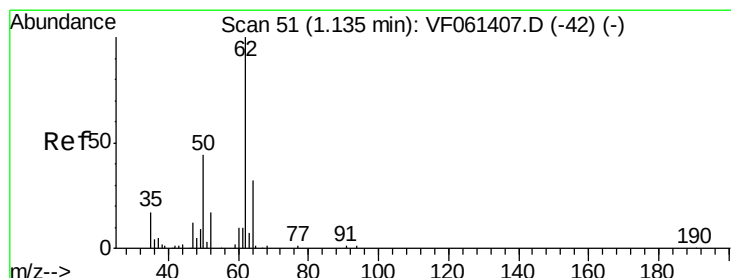
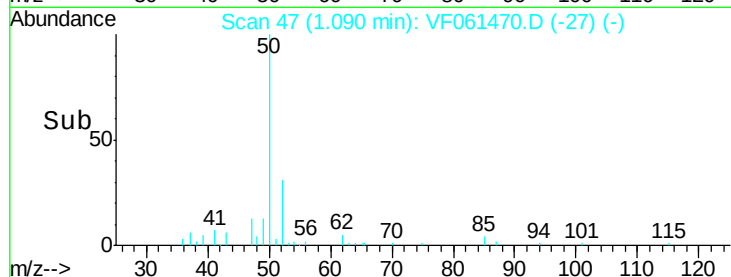
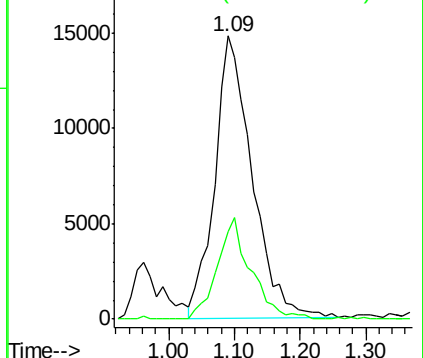
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.748 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF061470.D

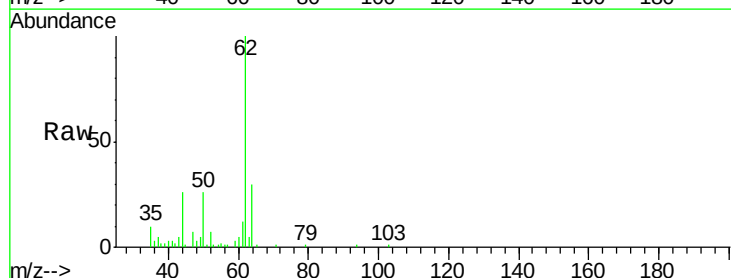
Acq: 21 Jan 2019 13:33

Tgt Ion: 62 Resp: 53416

Ion Ratio Lower Upper

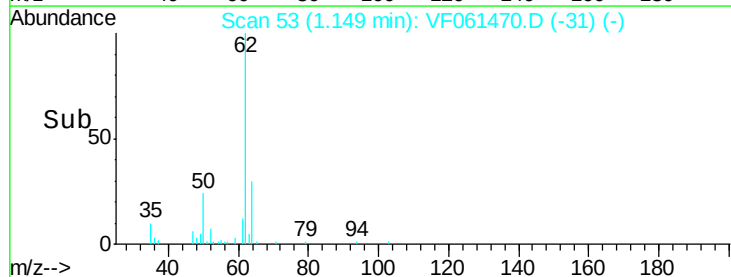
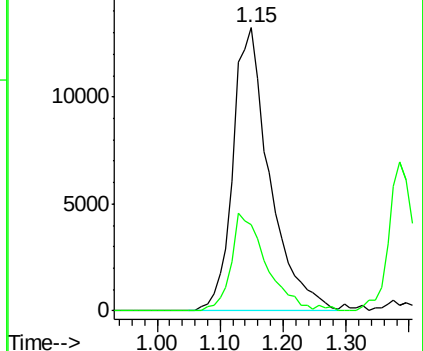
62 100

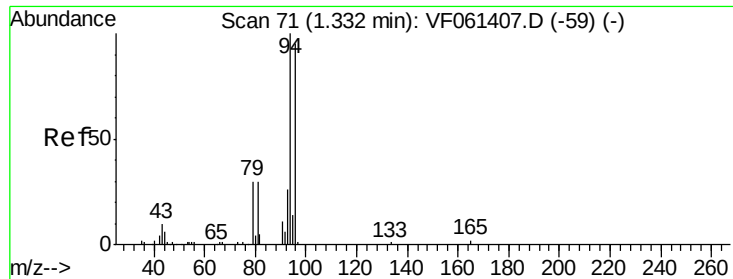
64 30.4 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.325 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion: 94 Resp: 32553

Ion Ratio Lower Upper

94 100

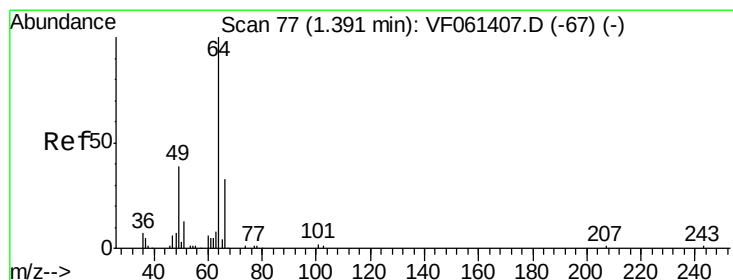
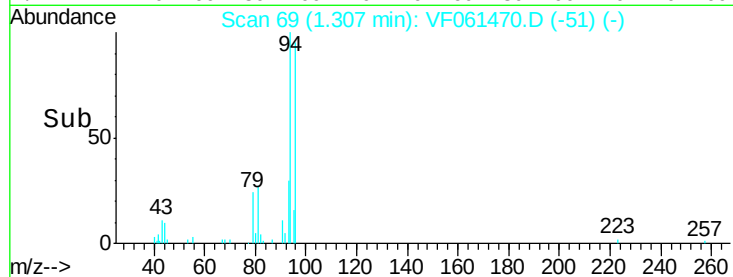
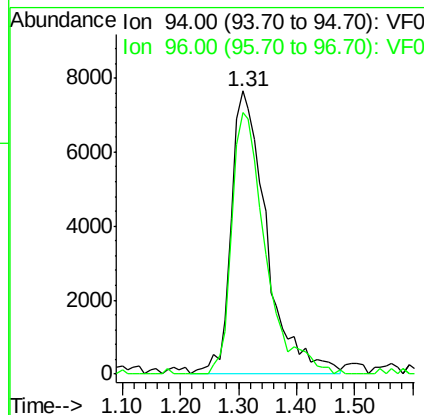
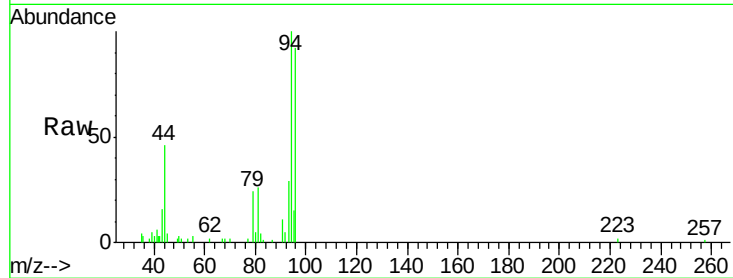
96 92.4 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 19.493 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061470.D

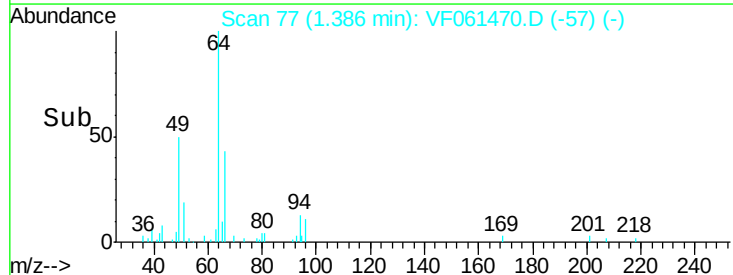
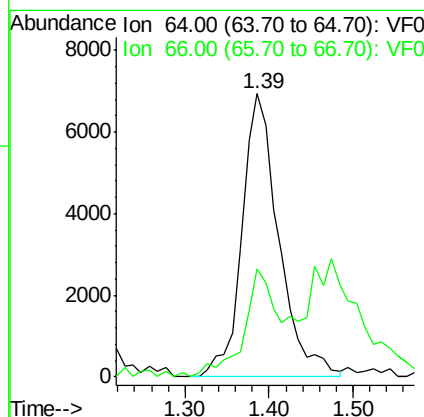
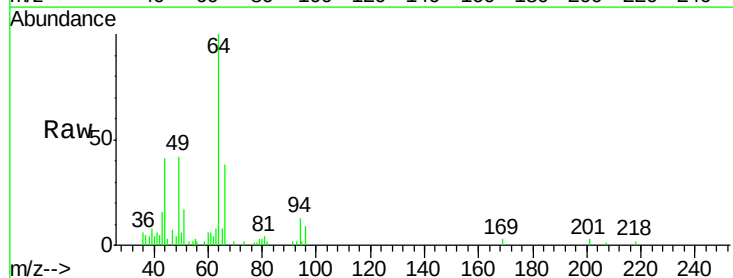
Acq: 21 Jan 2019 13:33

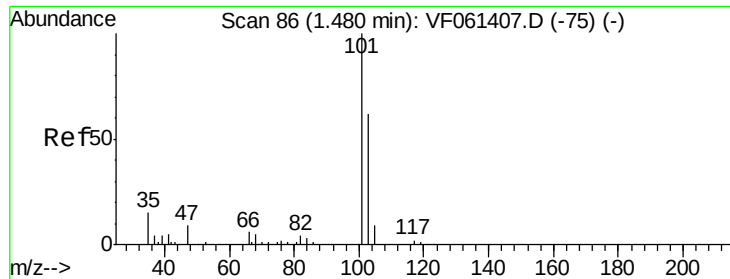
Tgt Ion: 64 Resp: 21214

Ion Ratio Lower Upper

64 100

66 38.1 26.6 40.0





#7

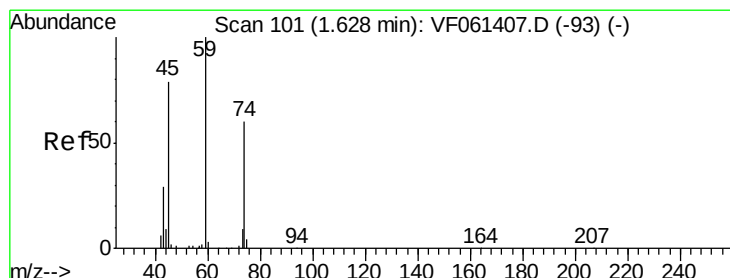
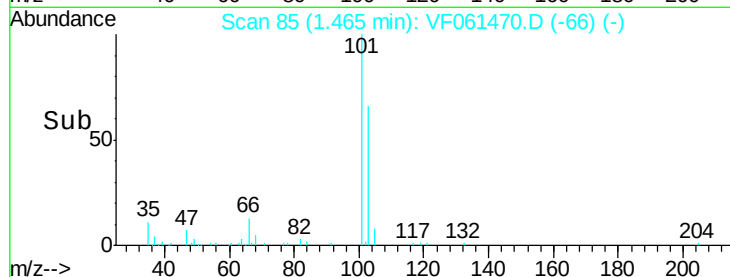
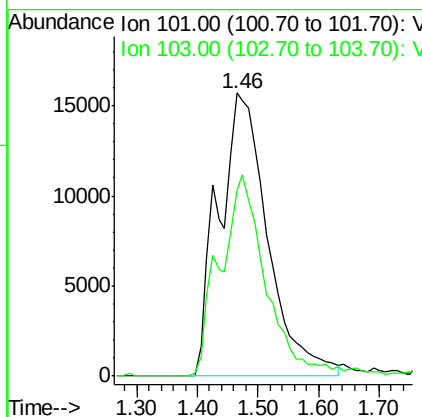
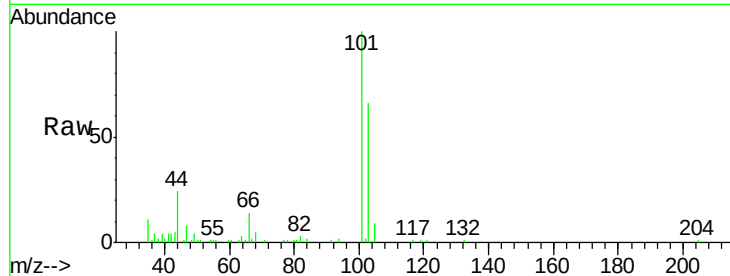
Trichlorofluoromethane
Concen: 18.591 ug/l
RT: 1.46 min Scan# 85
Delta R.T. -0.02 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
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ClientSampleId :
VF0121SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	49.7	74.5

Manual Integrations
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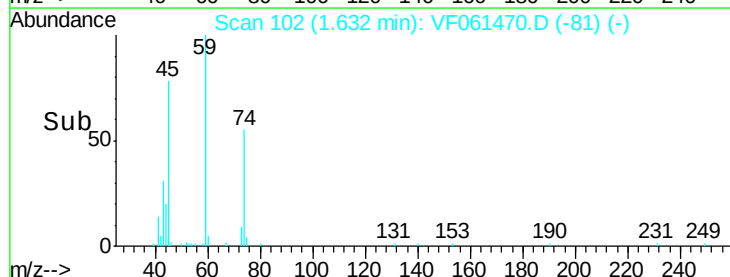
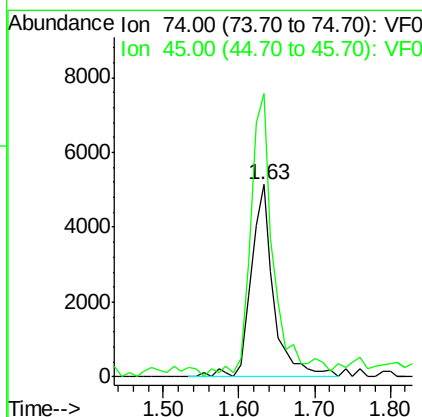
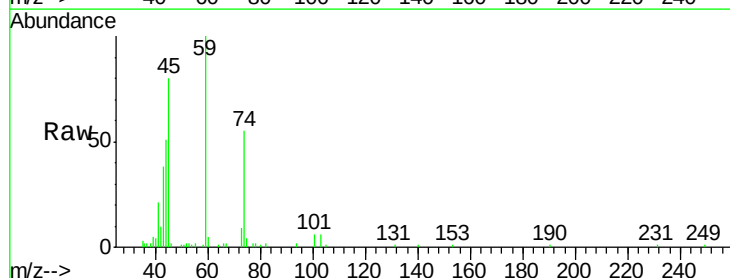
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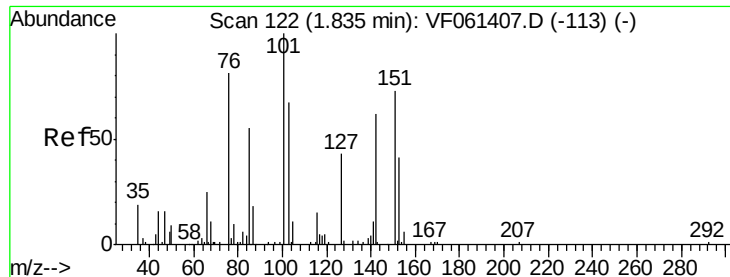


#8

Diethyl Ether
Concen: 17.453 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	147.3	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.302 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

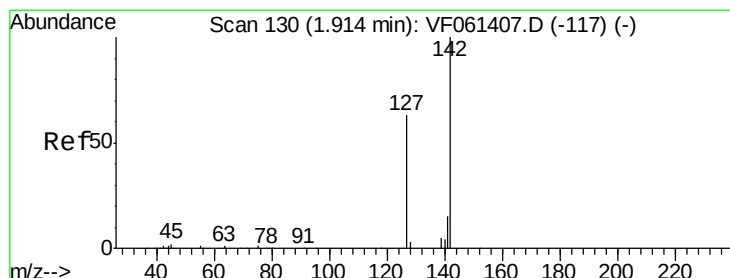
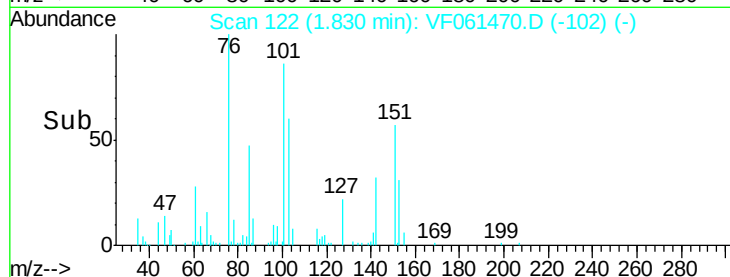
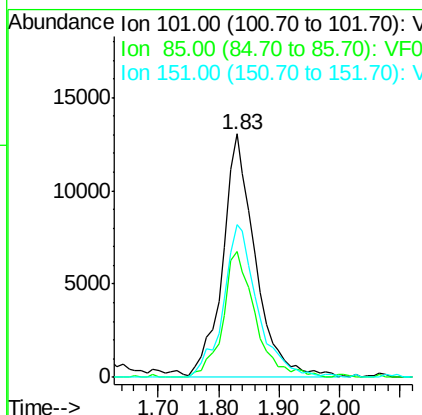
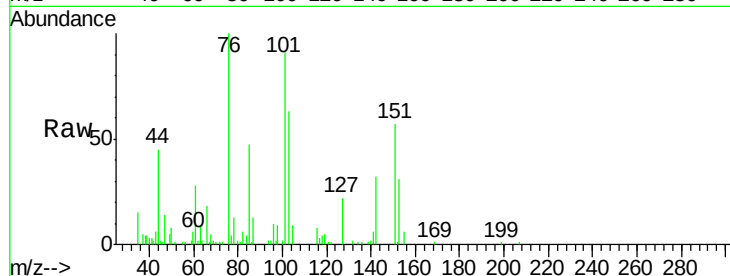
ClientSampleId :

VF0121SBS01

Tot Ion:	101	Resp:	48872
Ion Ratio	Lower	Upper	
101	100		
85	51.8	41.9	62.9
151	63.0	55.1	82.7

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#10

Methyl Iodide

Concen: 20.610 ug/l m

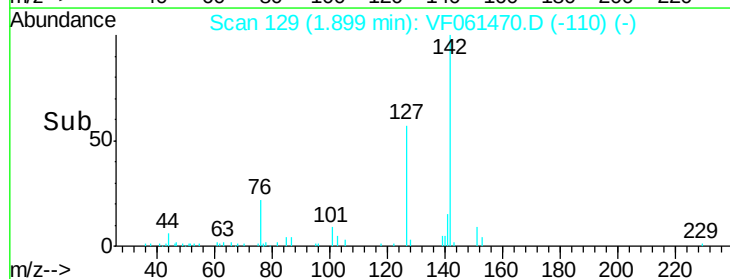
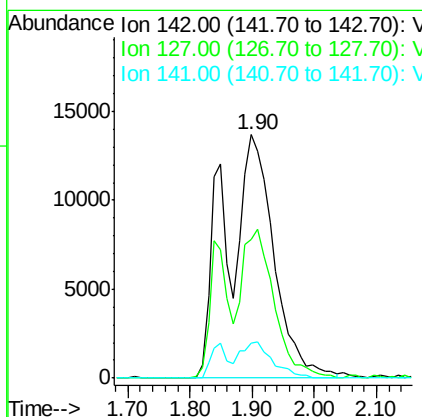
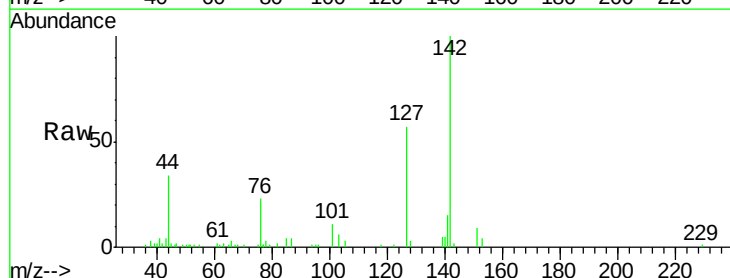
RT: 1.90 min Scan# 129

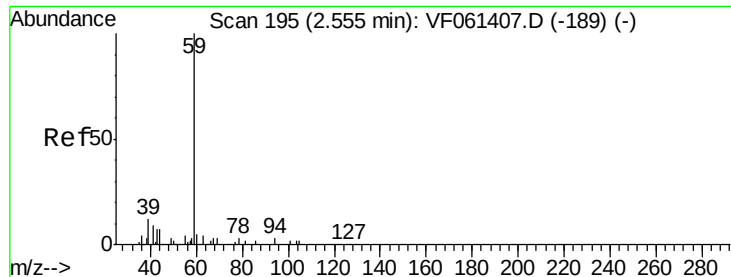
Delta R.T. -0.02 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:	142	Resp:	73305
Ion Ratio	Lower	Upper	
142	100		
127	57.0	50.7	76.1
141	14.5	11.8	17.6





#11

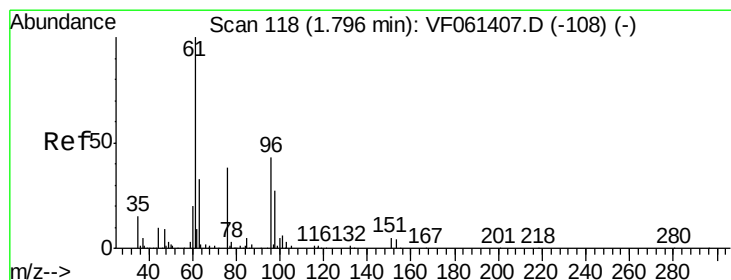
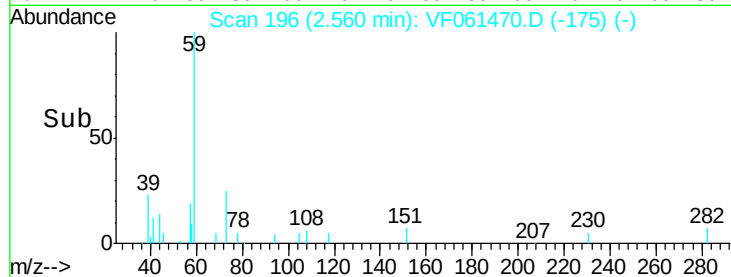
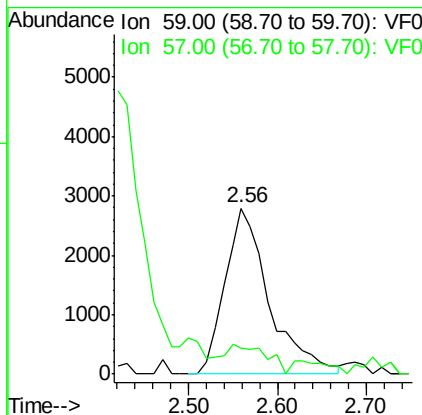
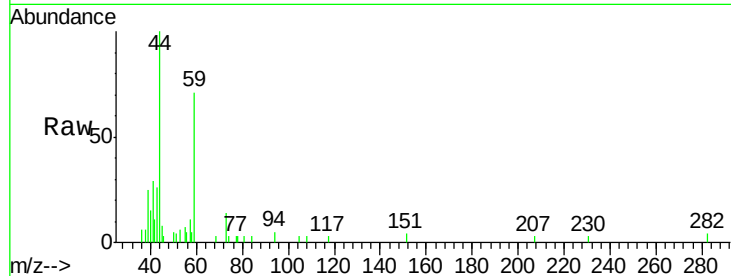
Tert butyl alcohol
Concen: 97.111 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	15.6	11.9	17.9

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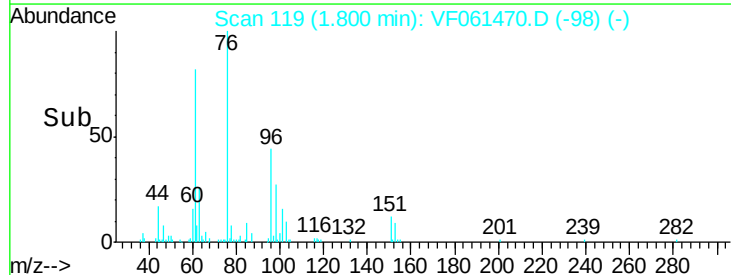
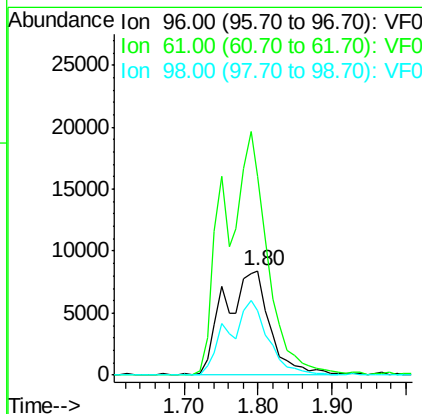
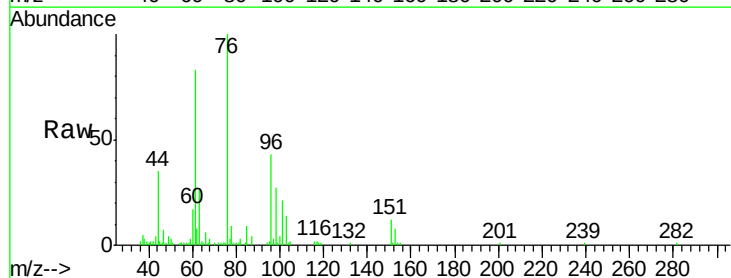
MMDadoda
1/22/2019 2:50:17 PM

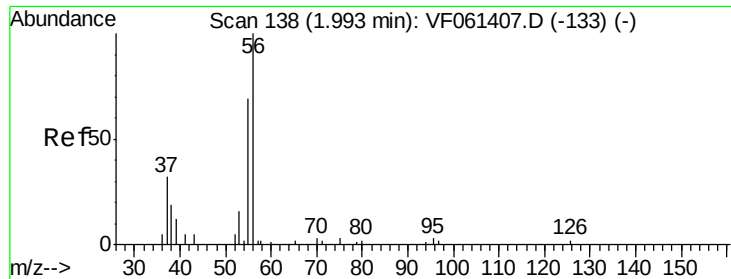


#12

1,1-Dichloroethene
Concen: 21.180 ug/l m
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	190.3	186.9	280.3
98	98	61.8	53.0	79.4





#13

Acrolein

Concen: 81.447 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tot Ion: 56 Resp: 6399

Ion Ratio Lower Upper

56 100

55 70.8 57.5 86.3

Instrument :

MSVOA_F

ClientSampleId :

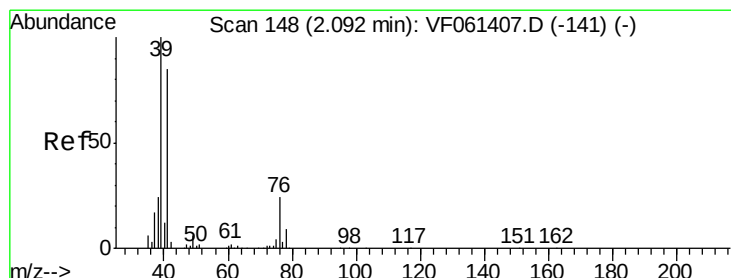
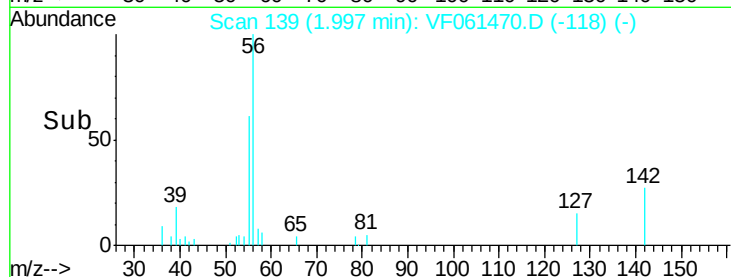
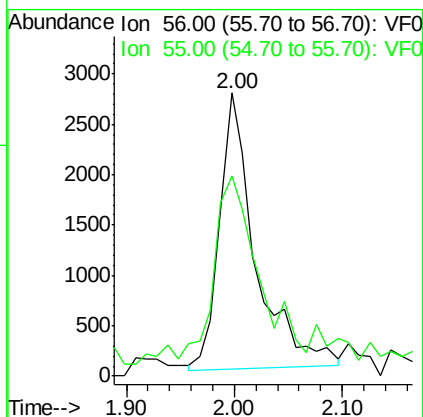
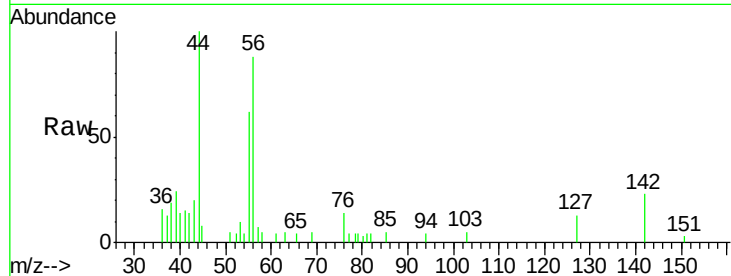
VF0121SBS01

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#14

Allyl chloride

Concen: 35.618 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

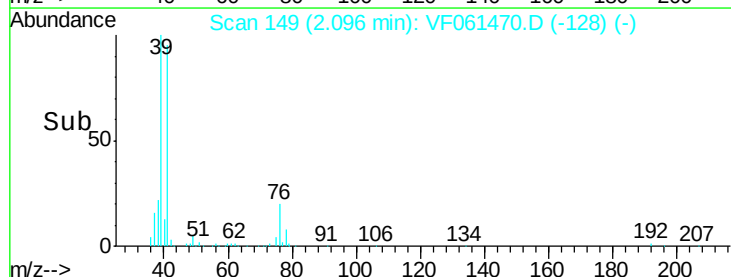
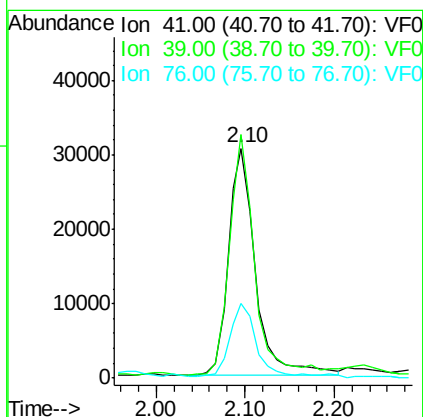
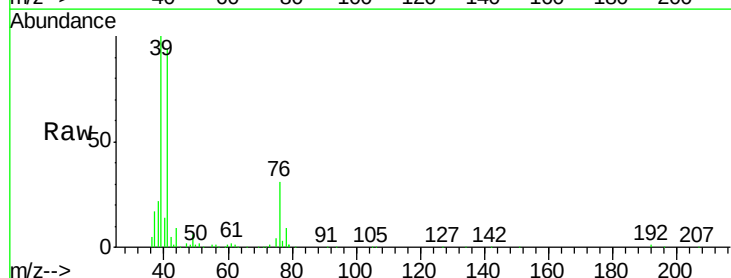
Tgt Ion: 41 Resp: 65086

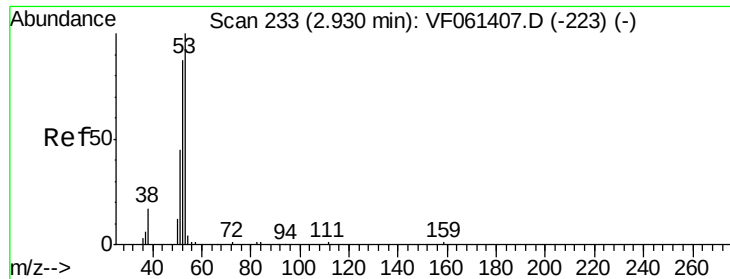
Ion Ratio Lower Upper

41 100

39 105.9 94.6 141.8

76 32.3 25.9 38.9





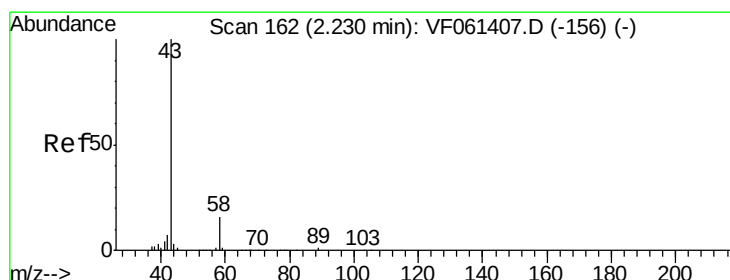
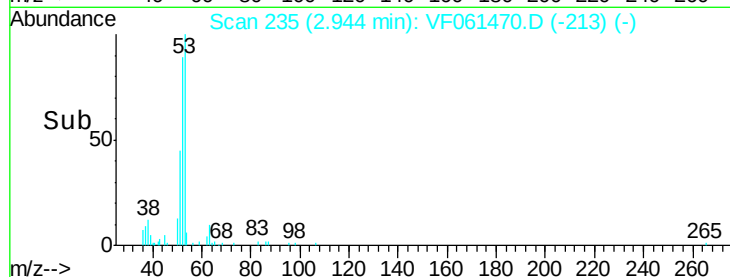
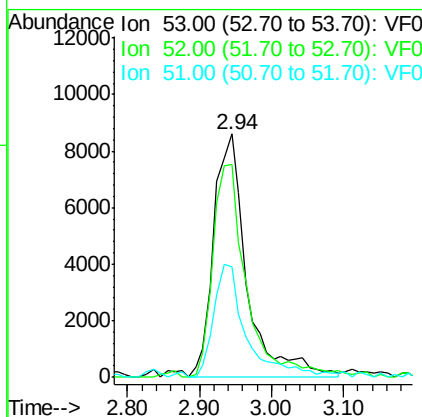
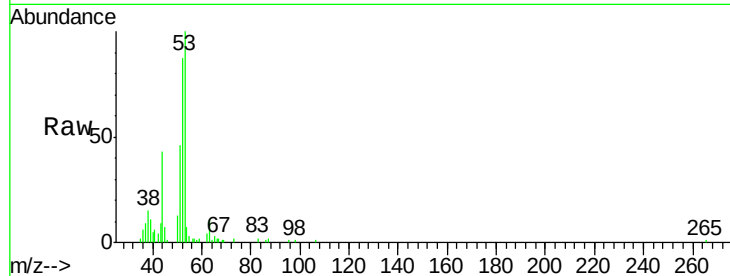
#15
 Acrylonitrile
 Concen: 107.611 ug/l
 RT: 2.94 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	87.3	69.6	104.4	
51	45.6	36.8	55.2	

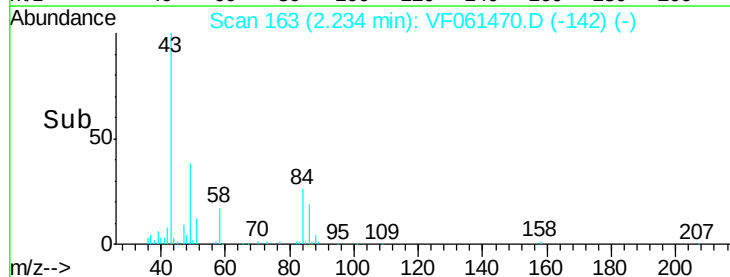
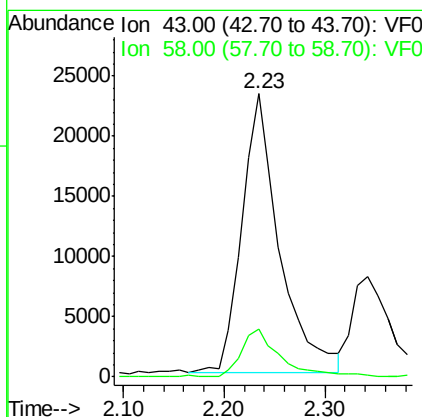
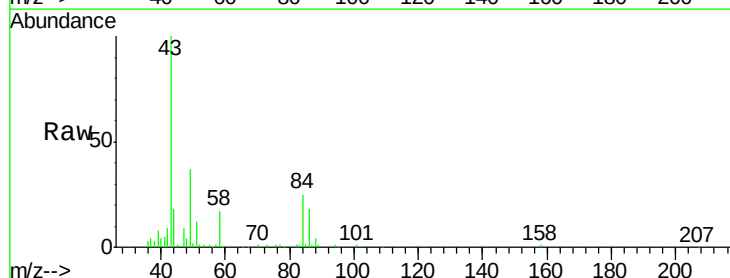
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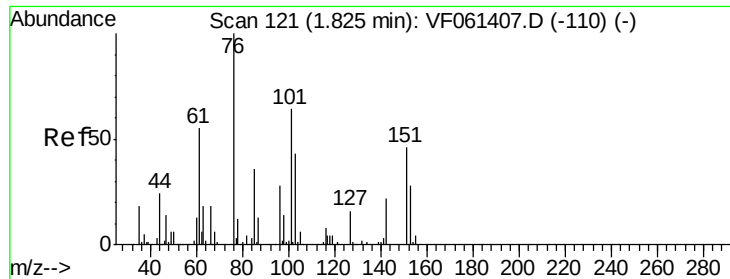
MMDadoda
 1/22/2019 2:50:17 PM



#16
 Acetone
 Concen: 126.858 ug/l
 RT: 2.23 min Scan# 163
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	16.7	13.3	19.9	





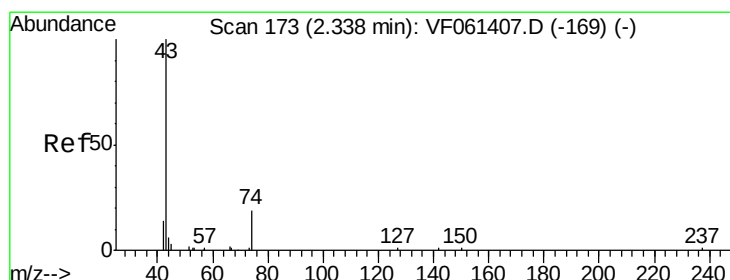
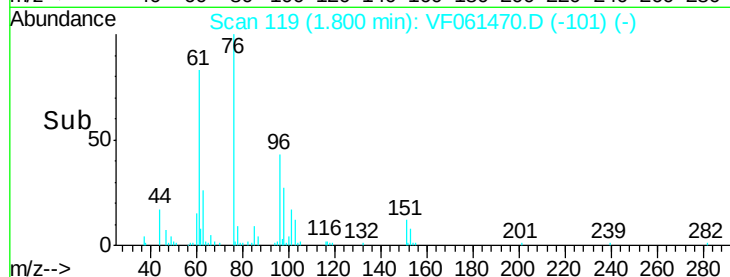
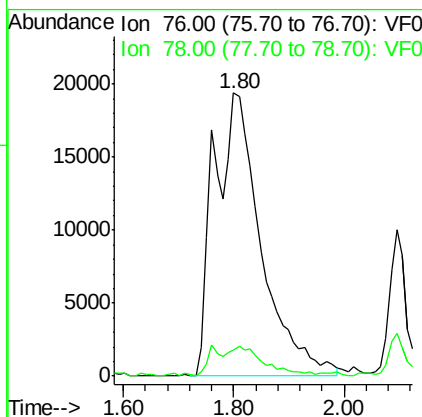
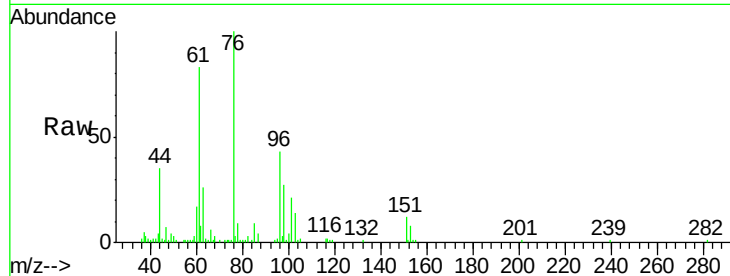
#17
Carbon Disulfide
Concen: 21.539 ug/l m
RT: 1.80 min Scan# 119
Delta R.T. -0.03 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion: 76 Resp: 114472
Ion Ratio Lower Upper
76 100
78 9.1 9.6 14.4#

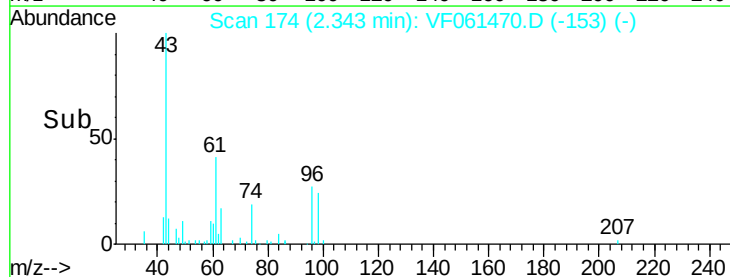
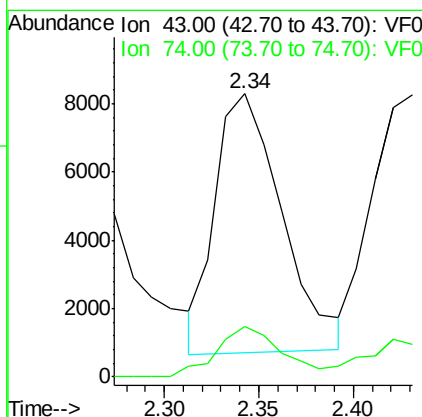
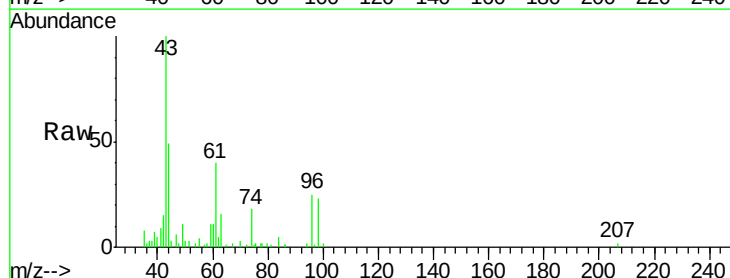
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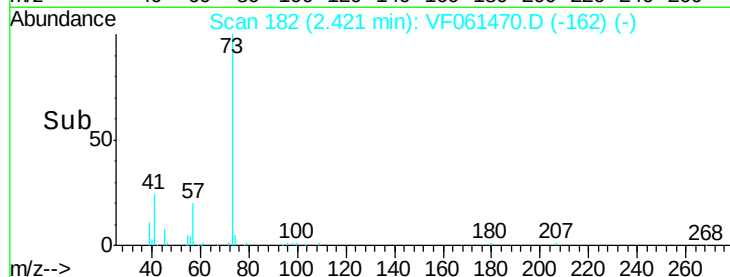
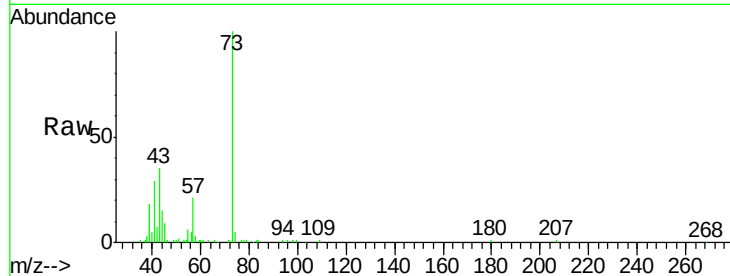
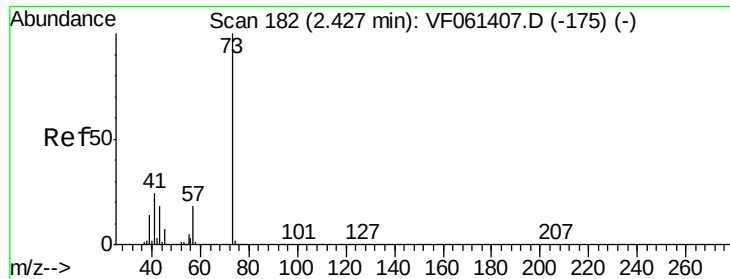
MMDadoda
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#18
Methyl Acetate
Concen: 19.786 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion: 43 Resp: 18626
Ion Ratio Lower Upper
43 100
74 17.9 13.4 20.0





#19

Methyl tert-butyl Ether

Concen: 17.904 ug/l

RT: 2.42 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tot Ion: 73 Resp: 68410

Ion Ratio Lower Upper

73 100

57 21.2 14.8 22.2

Instrument :

MSVOA_F

ClientSampleId :

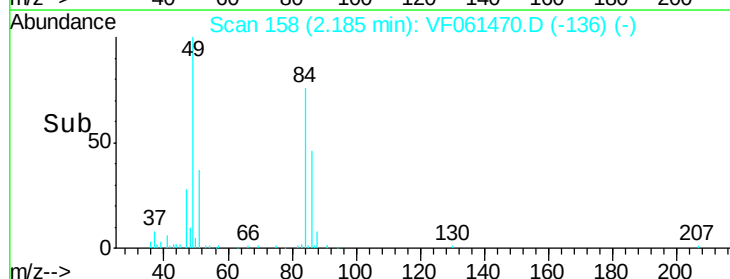
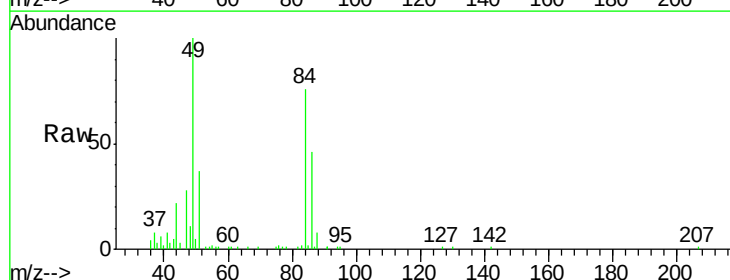
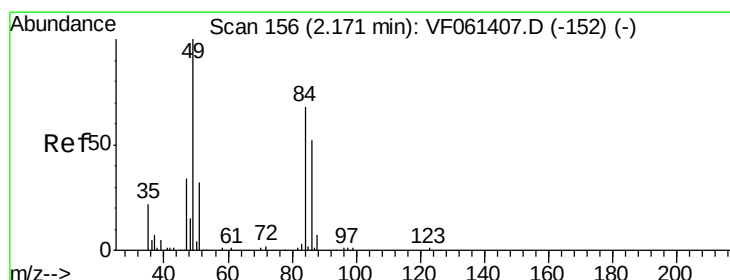
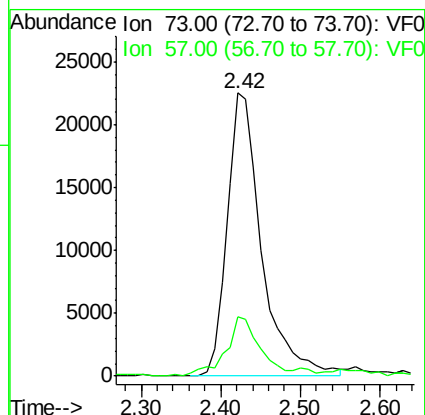
VF0121SBS01

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#20

Methylene Chloride

Concen: 31.790 ug/l m

RT: 2.18 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion: 84 Resp: 52254

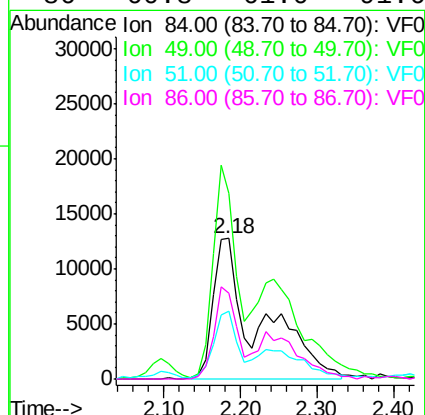
Ion Ratio Lower Upper

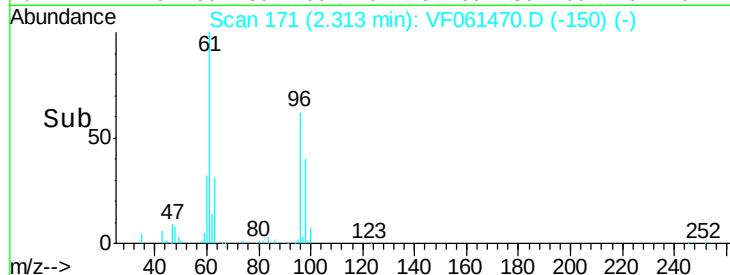
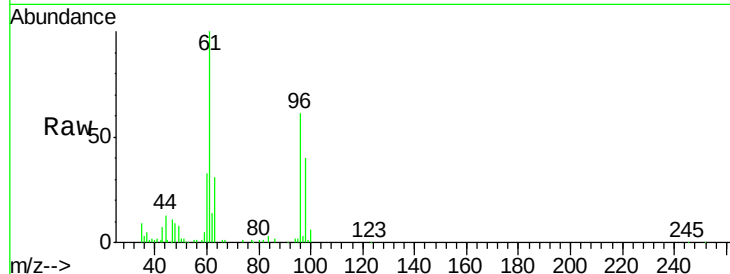
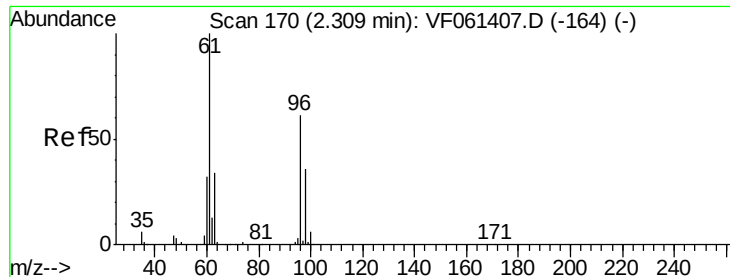
84 100

49 132.1 120.0 180.0

51 48.4 38.6 58.0

86 60.8 61.0 91.6#





#21

trans-1,2-Dichloroethene

Concen: 20.887 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061470.D

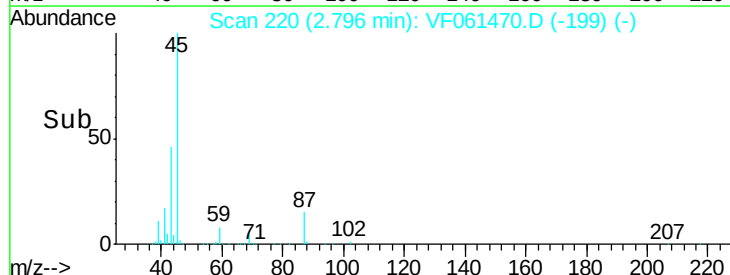
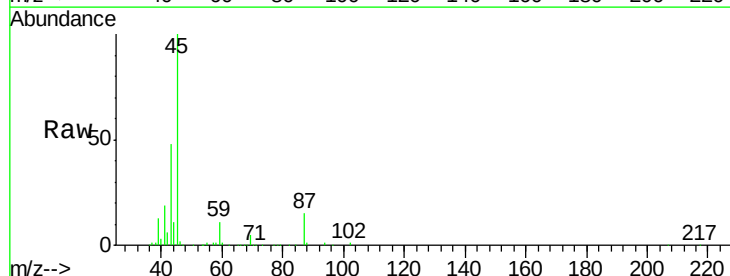
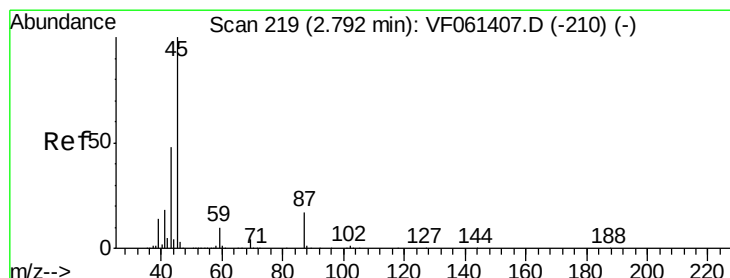
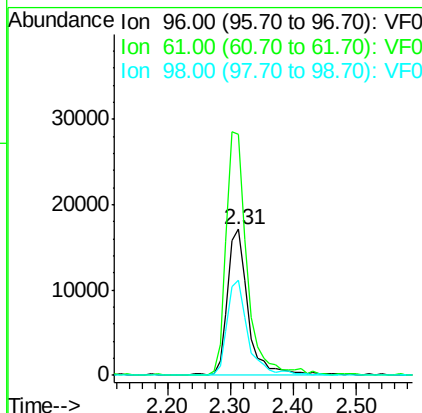
Acq: 21 Jan 2019 13:33

Tot Ion:	96	Resp:	39171
Ion	Ratio	Lower	Upper
96	100		
61	164.8	131.8	197.8
98	65.4	47.4	71.0

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

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#22

Diisopropyl ether

Concen: 21.944 ug/l

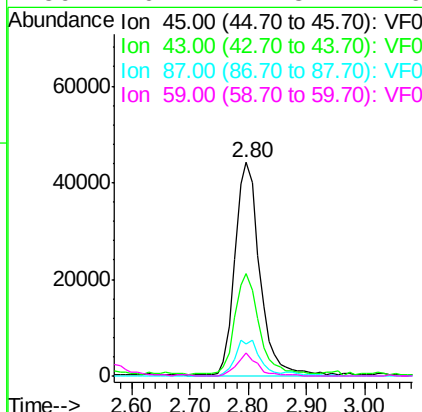
RT: 2.80 min Scan# 220

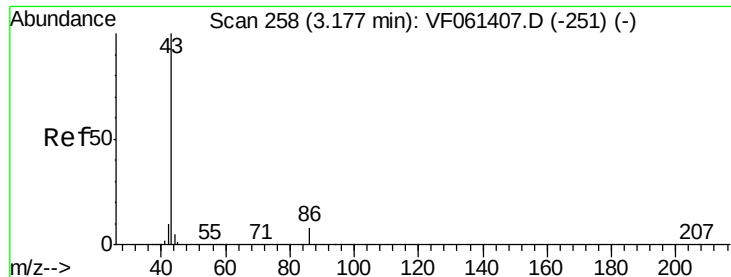
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:	45	Resp:	133106
Ion	Ratio	Lower	Upper
45	100		
43	47.9	39.0	58.6
87	15.2	13.9	20.9
59	10.7	7.8	11.6





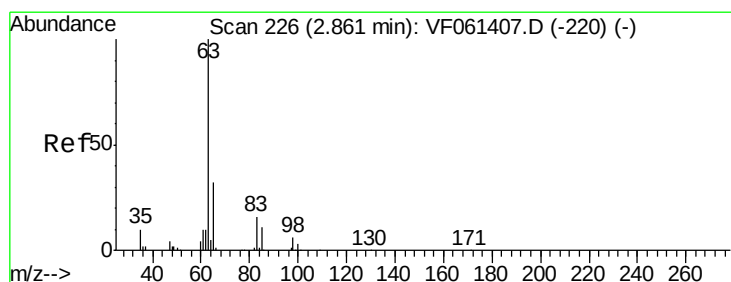
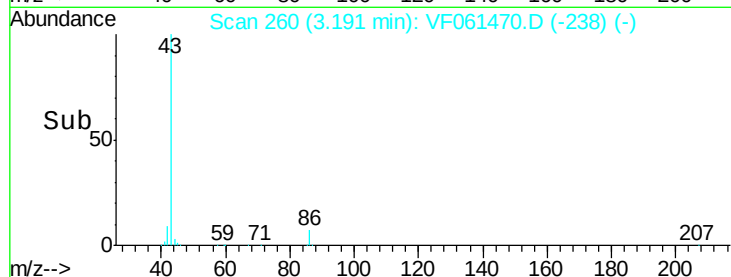
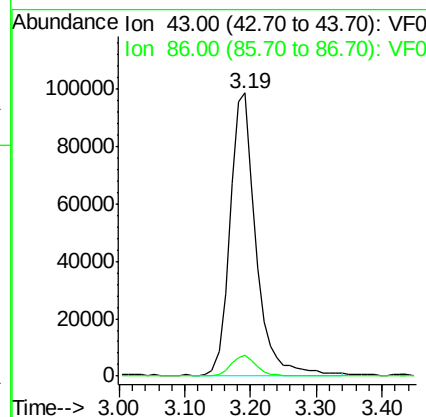
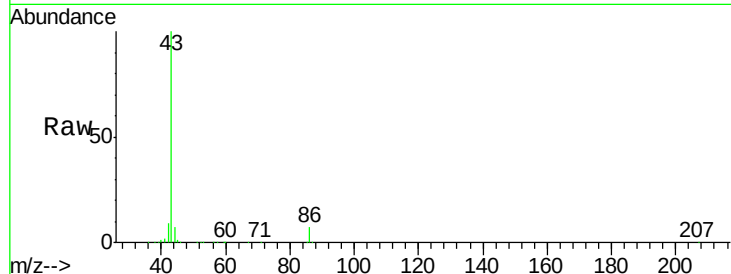
#23
 Vinyl Acetate
 Concen: 103.011 ug/l
 RT: 3.19 min Scan# 260
 Delta R.T. 0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.2	9.4

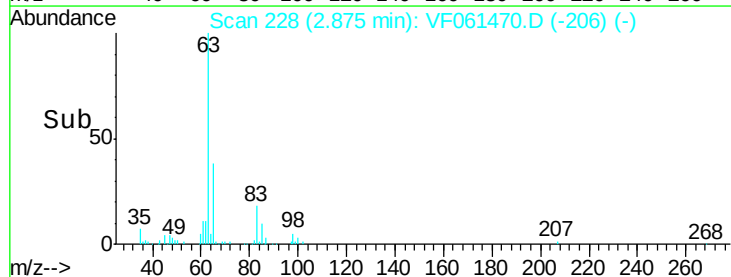
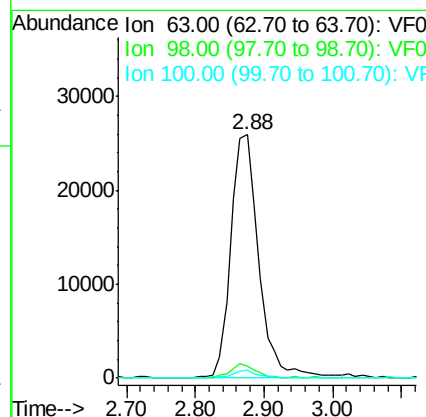
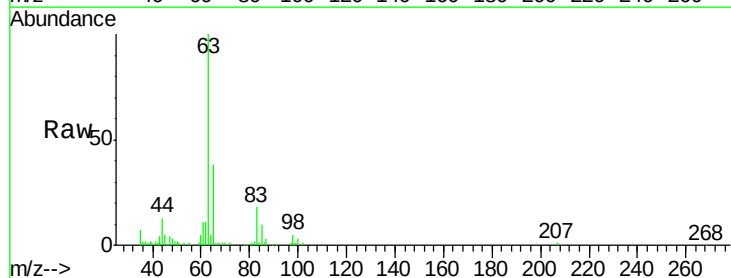
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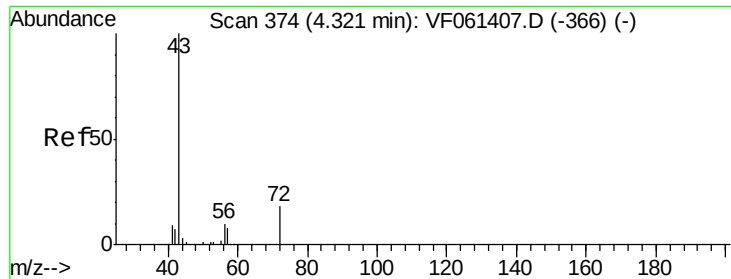
MMDadoda
 1/22/2019 2:50:17 PM



#24
 1,1-Dichloroethane
 Concen: 19.312 ug/l
 RT: 2.88 min Scan# 228
 Delta R.T. 0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.9	8.8
100	3.2	1.6	4.8





#25

2-Butanone

Concen: 105.568 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion: 43 Resp: 83331

Ion Ratio Lower Upper

43 100

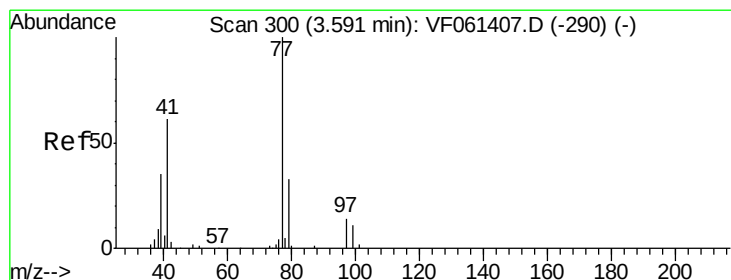
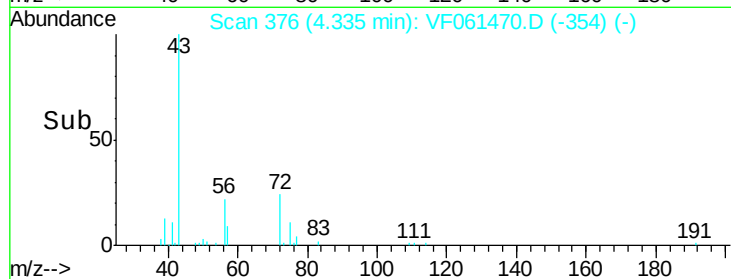
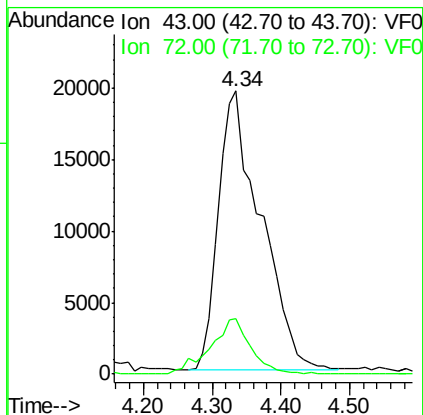
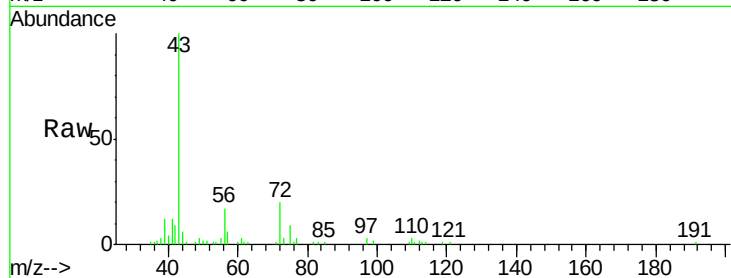
72 19.6 15.8 23.6

Manual Integrations

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1/22/2019 2:50:17 PM



#26

2,2-Dichloropropane

Concen: 19.757 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061470.D

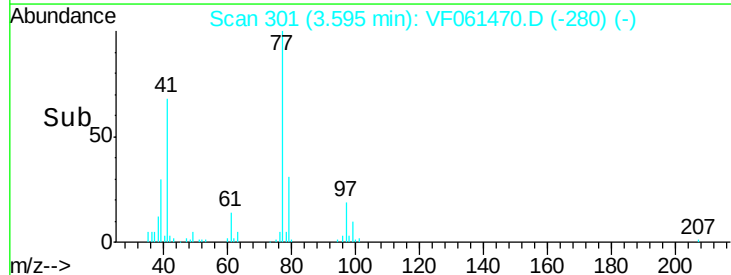
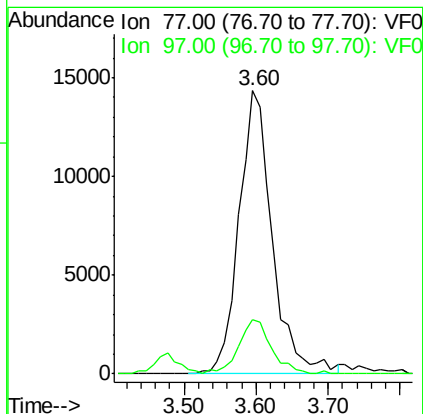
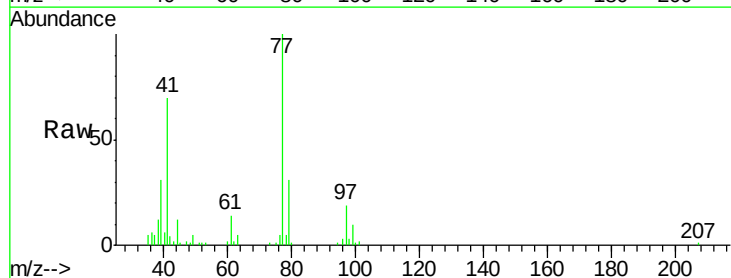
Acq: 21 Jan 2019 13:33

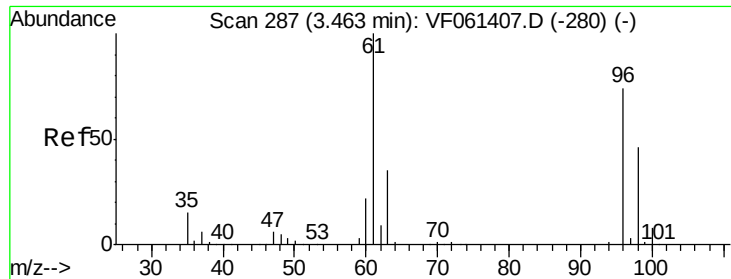
Tgt Ion: 77 Resp: 46212

Ion Ratio Lower Upper

77 100

97 19.3 8.5 25.5





#27

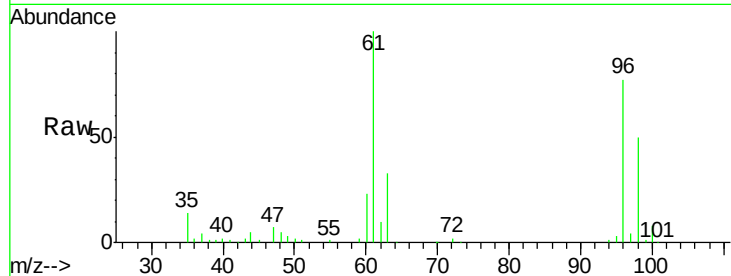
cis-1,2-Dichloroethene
Concen: 20.692 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

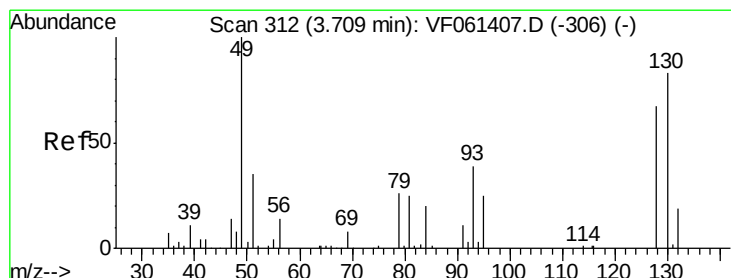
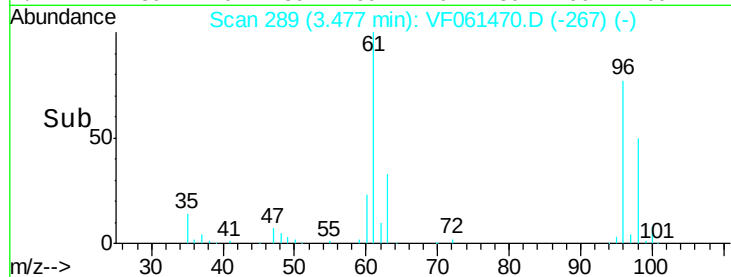
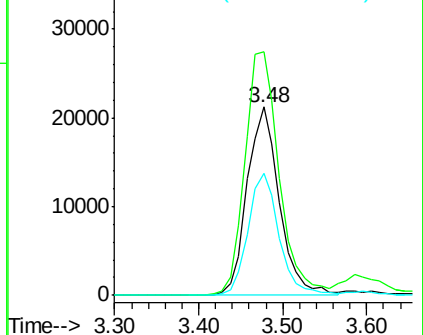
Tot Ion	Ratio	Resp	Lower	Upper
96	100	57283		
61	129.5		0.0	270.2
98	65.2		0.0	124.0

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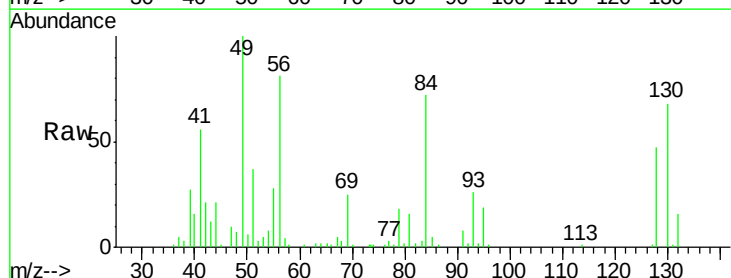
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



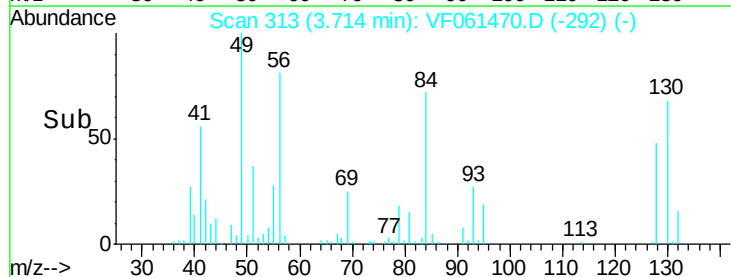
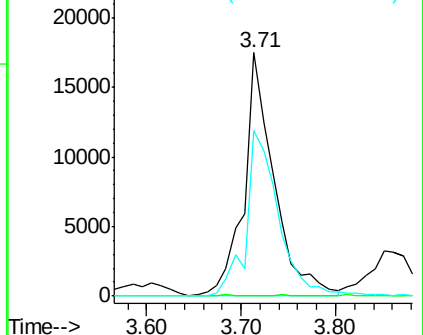
#28

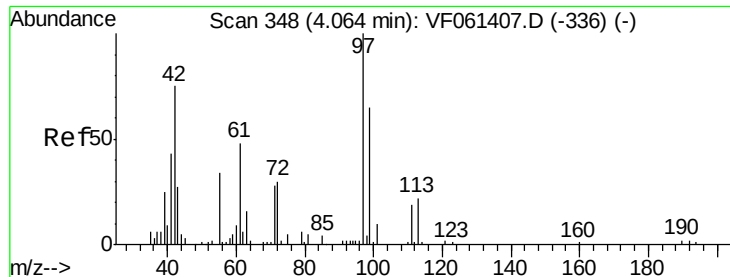
Bromochloromethane
Concen: 22.550 ug/l
RT: 3.71 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	38590		
129	0.0		0.0	0.0
130	67.7		65.4	98.2



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 91.593 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

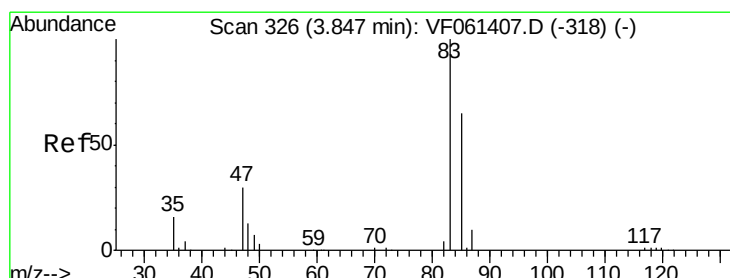
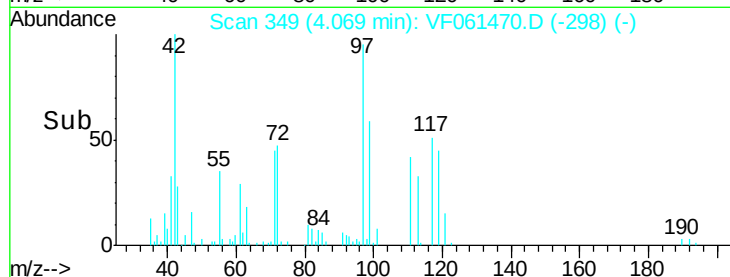
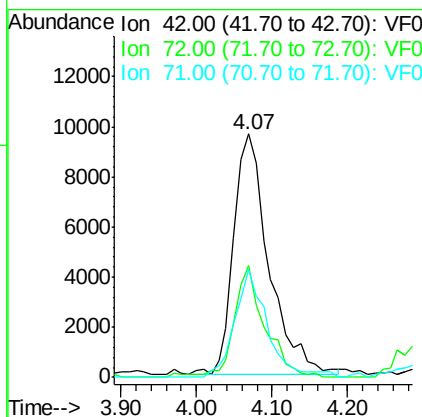
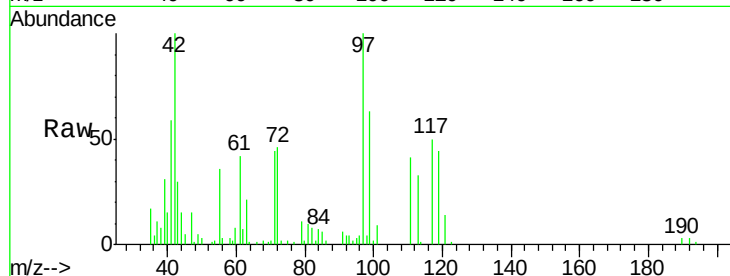
ClientSampleId :

VF0121SBS01

Tot Ion:	42	Resp:	31132
Ion	Ratio	Lower	Upper
42	100		
72	39.7	28.9	43.3
71	41.3	29.6	44.4

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1/22/2019 2:50:17 PM



#30

Chloroform

Concen: 20.100 ug/l

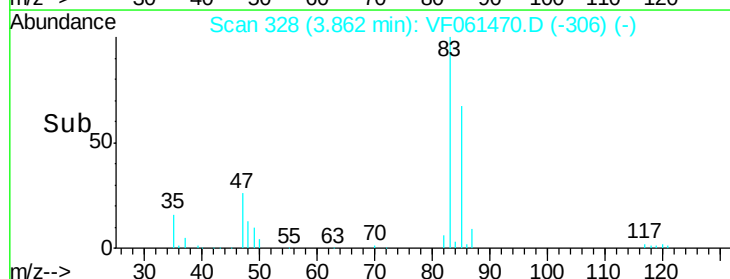
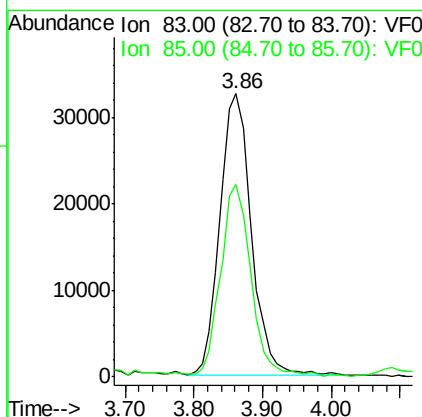
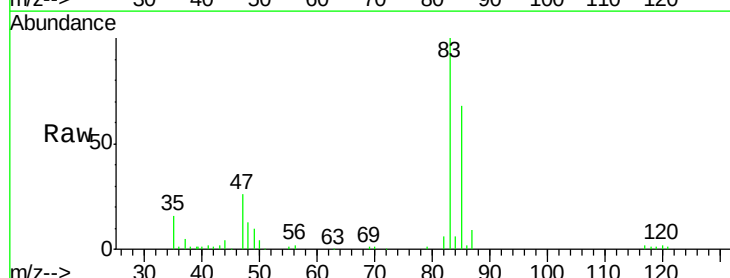
RT: 3.86 min Scan# 328

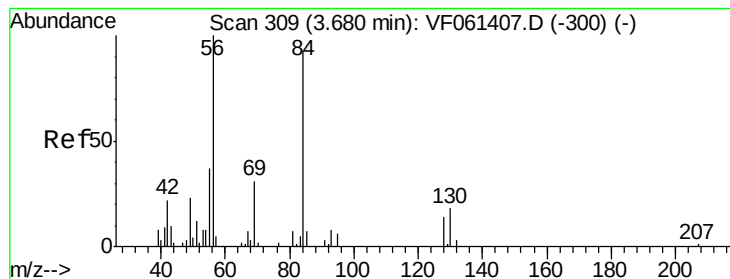
Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:	83	Resp:	103269
Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.7	79.1





#31

Cyclohexane

Concen: 23.173 ug/l m

RT: 3.69 min Scan# 311

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

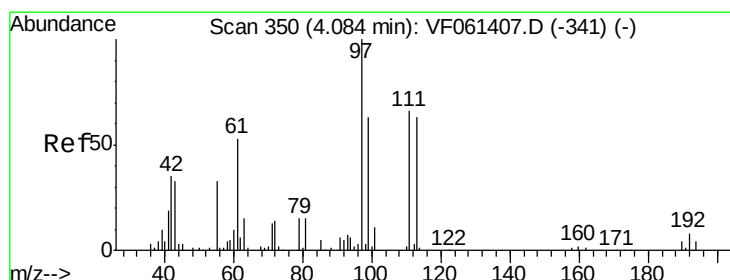
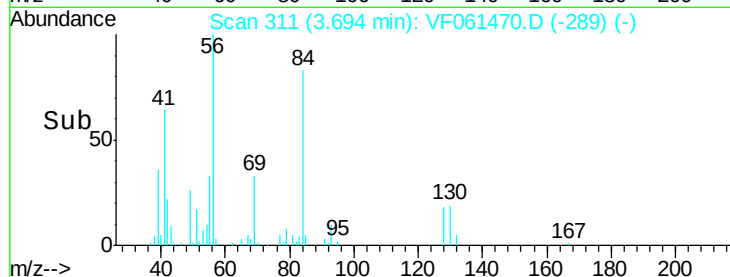
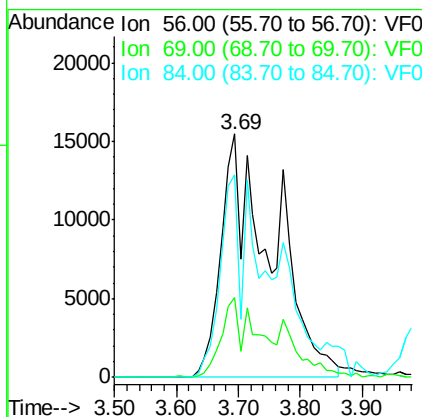
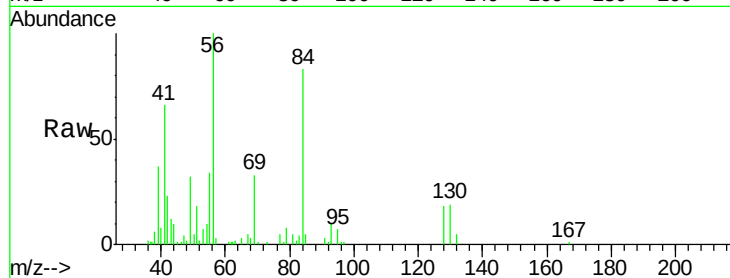
ClientSampleId :

VF0121SBS01

Tot Ion:	56	Resp:	88123
Ion	Ratio	Lower	Upper
56	100		
69	32.9	24.6	36.8
84	83.1	74.2	111.2

Manual Integrations
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1/22/2019 2:50:17 PM



#32

1,1,1-Trichloroethane

Concen: 19.962 ug/l

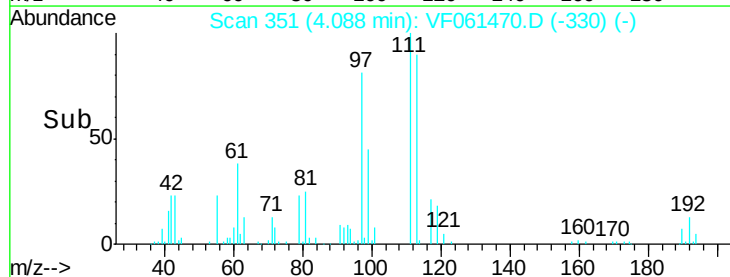
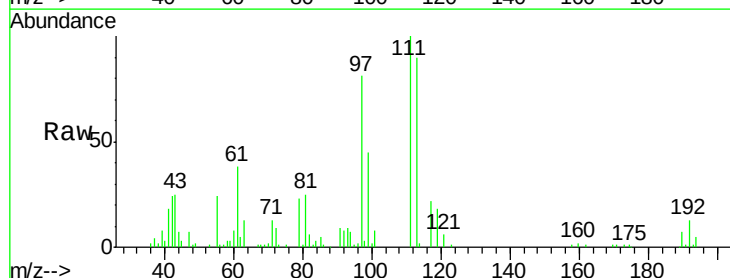
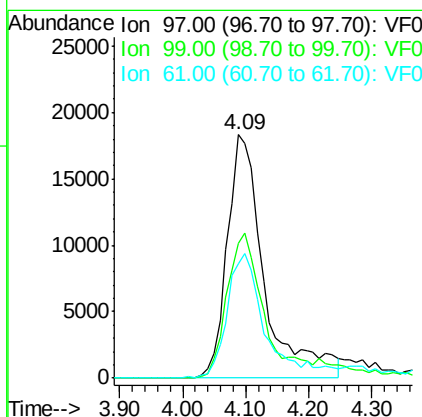
RT: 4.09 min Scan# 351

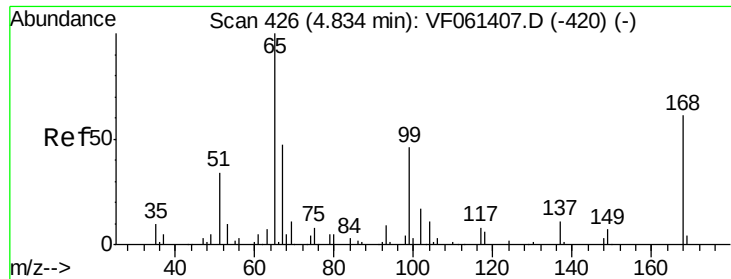
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:	97	Resp:	75201
Ion	Ratio	Lower	Upper
97	100		
99	55.6	50.1	75.1
61	47.0	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 51.361 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061470.D

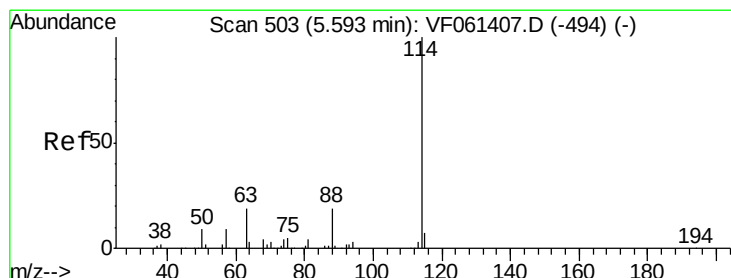
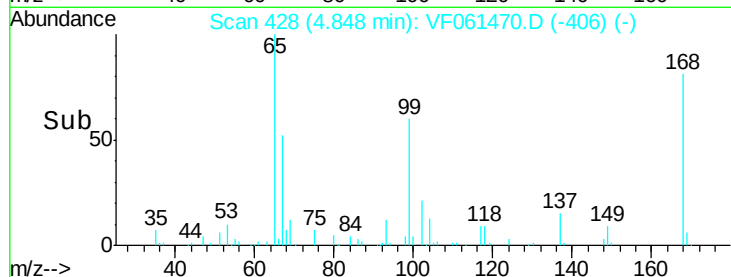
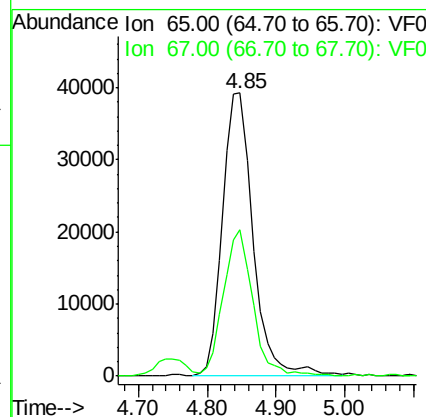
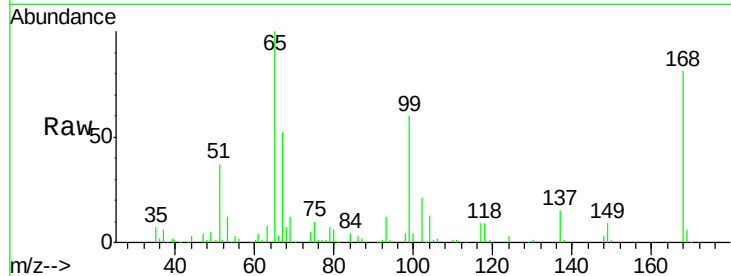
Acq: 21 Jan 2019 13:33

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121527		
67	51.8	0.0	99.8	

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

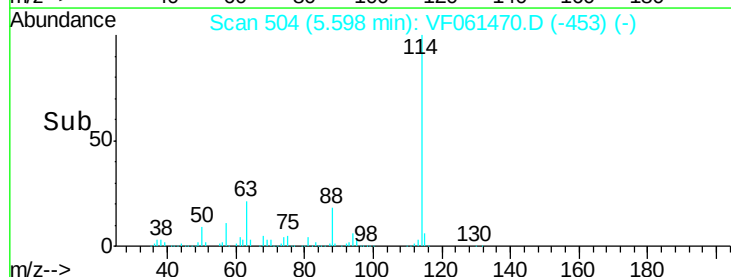
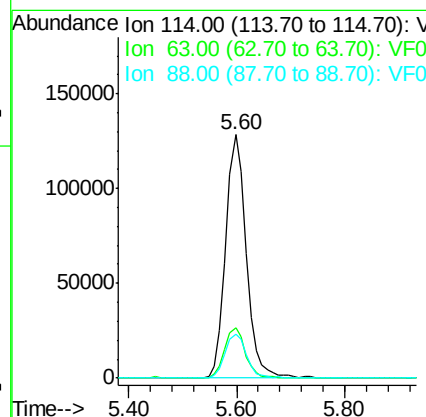
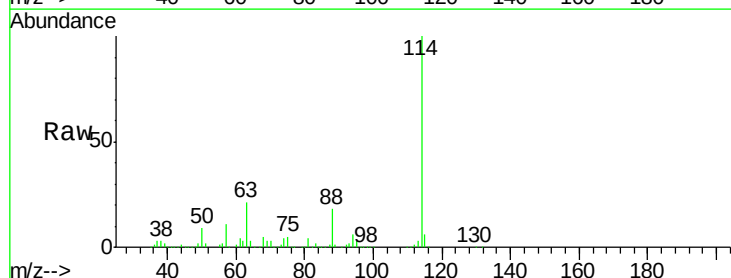
RT: 5.60 min Scan# 504

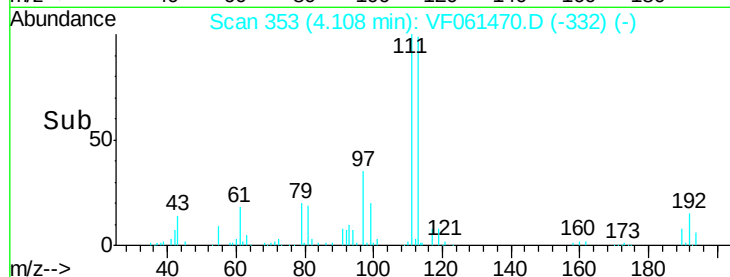
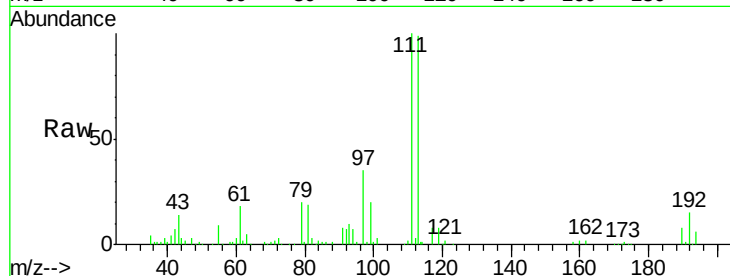
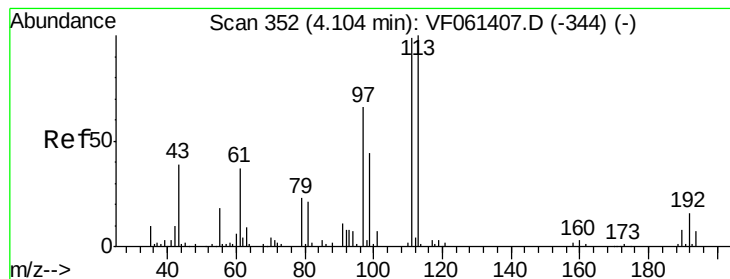
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339866		
63	20.7	0.0	39.0	
88	18.2	0.0	37.4	





#35

Dibromofluoromethane

Concen: 52.207 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061470.D

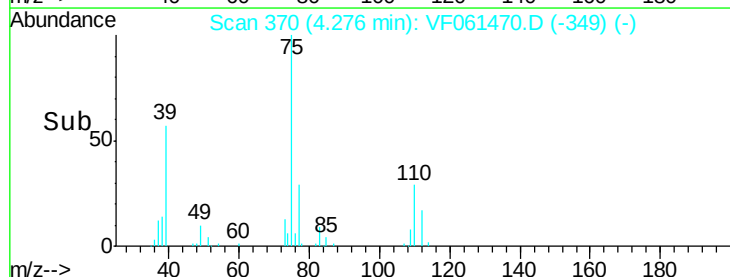
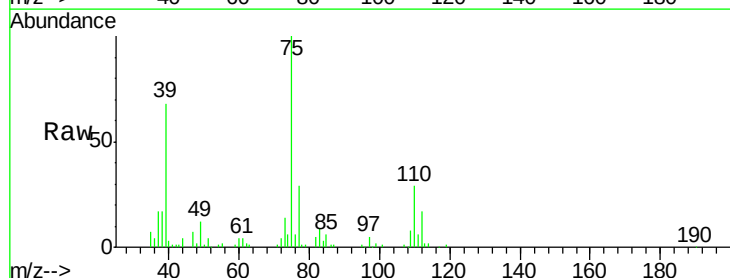
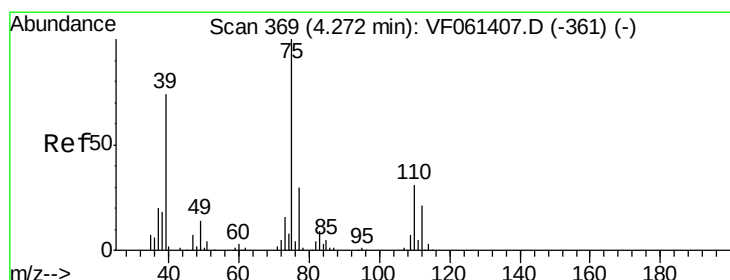
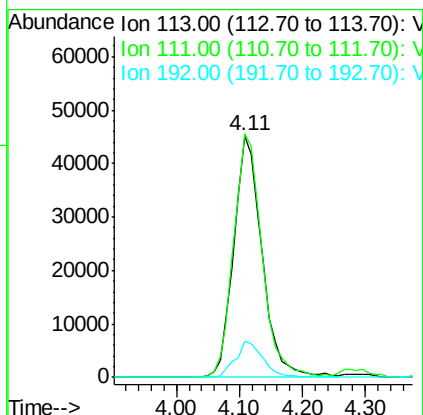
Acq: 21 Jan 2019 13:33

Tot Ion:	113	Resp:	140011
Ion Ratio	Lower	Upper	
113	100		
111	101.0	79.4	119.0
192	15.2	12.4	18.6

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

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1/22/2019 2:50:17 PM



#36

1,1-Dichloropropene

Concen: 19.436 ug/l

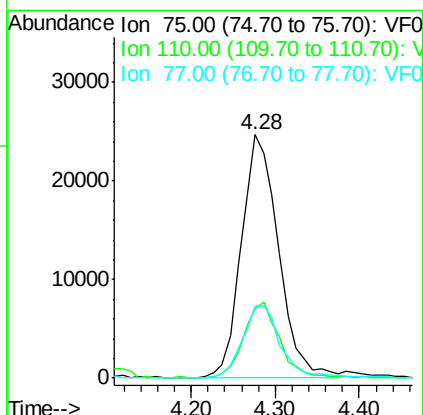
RT: 4.28 min Scan# 370

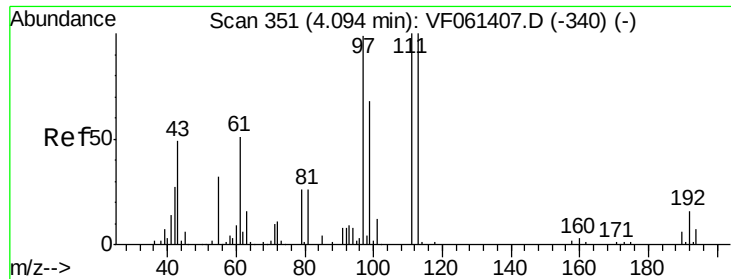
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:	75	Resp:	76590
Ion Ratio	Lower	Upper	
75	100		
110	28.7	15.8	47.3
77	29.4	24.0	36.0





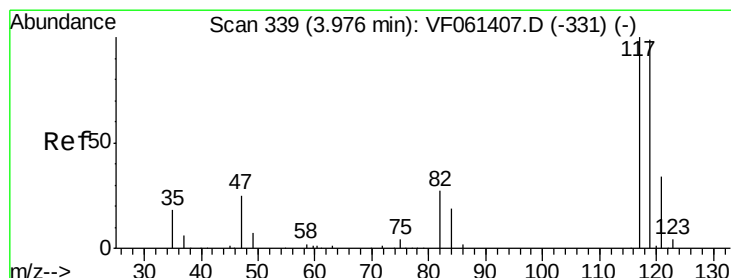
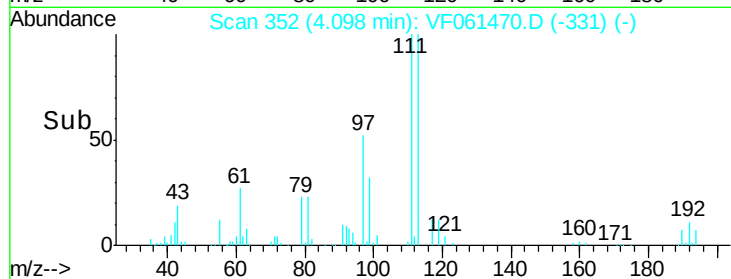
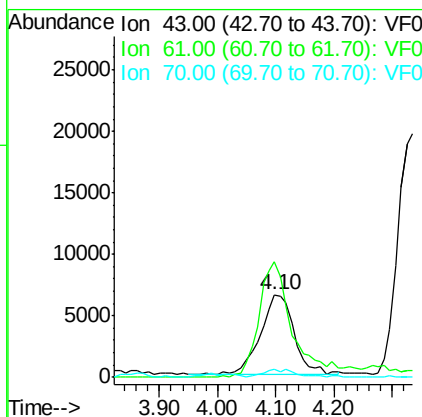
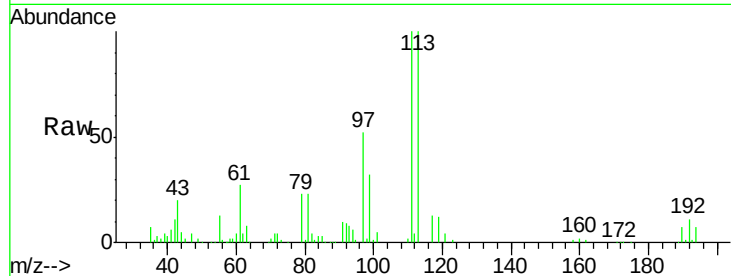
#37
Ethyl Acetate
Concen: 17.054 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
26863	100	139.7	10.5			
		81.7	6.2			
			9.2			

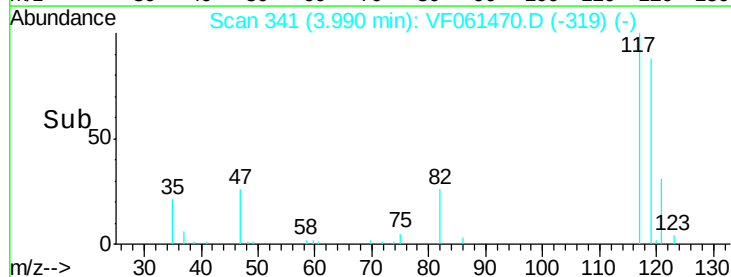
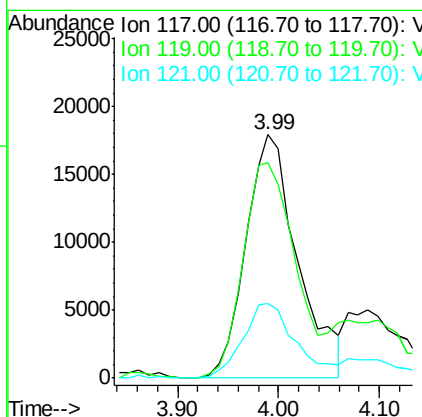
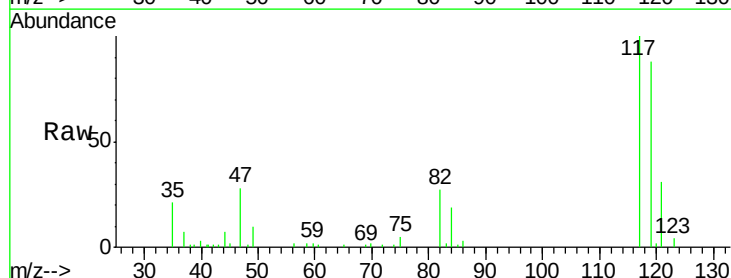
Manual Integrations
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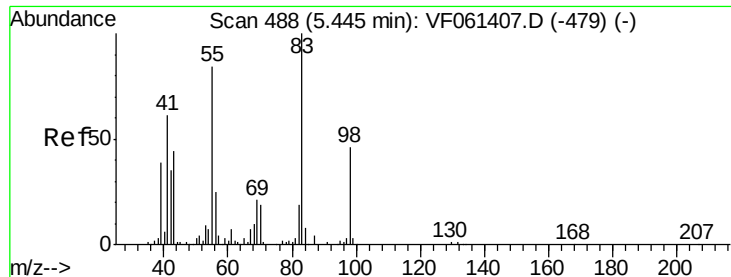
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1/22/2019 2:50:17 PM



#38
Carbon Tetrachloride
Concen: 18.637 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	117	119	121	Ratio	Lower	Upper
64203	100	88.5	30.9			
		79.0	27.0			
			40.6			





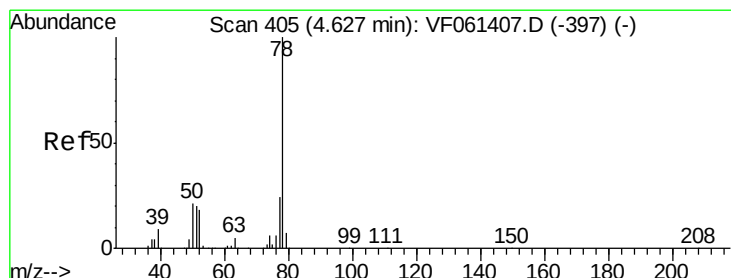
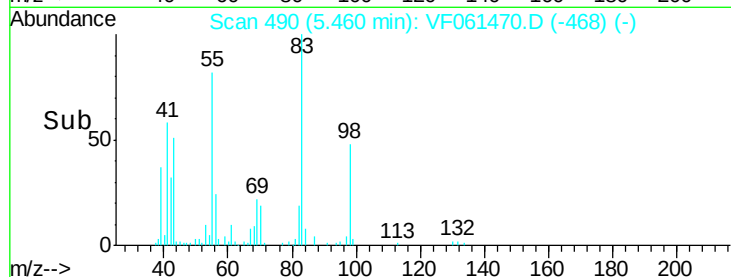
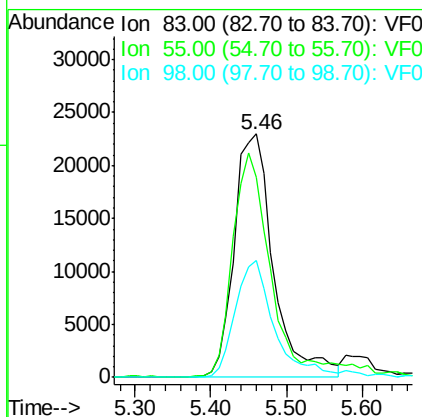
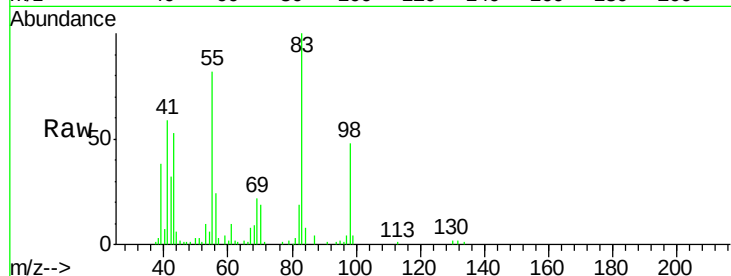
#39
Methylvlcyclohexane
Concen: 19.371 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	67.4	101.2
98	48.3	36.7	55.1

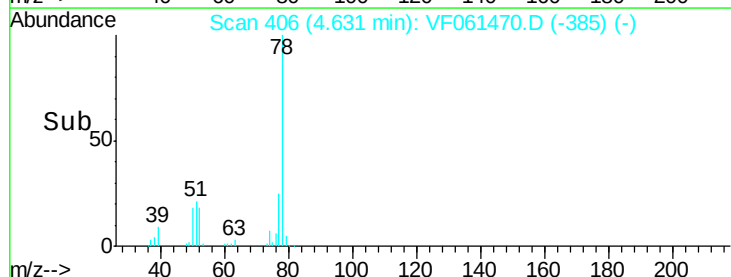
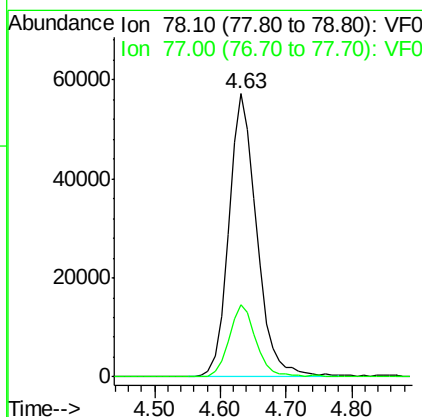
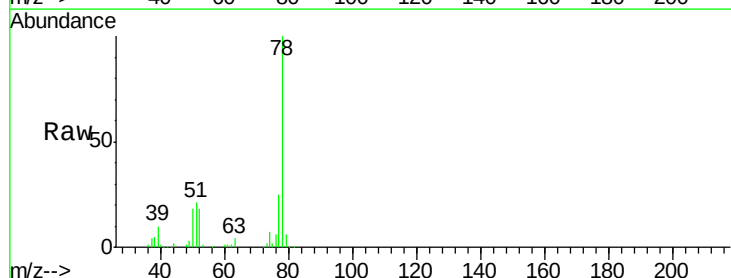
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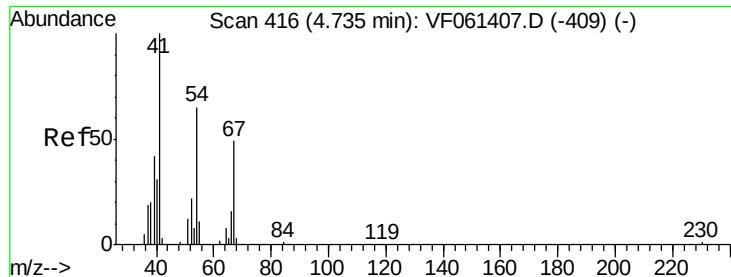
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1/22/2019 2:50:17 PM



#40
Benzene
Concen: 19.410 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.0	28.6





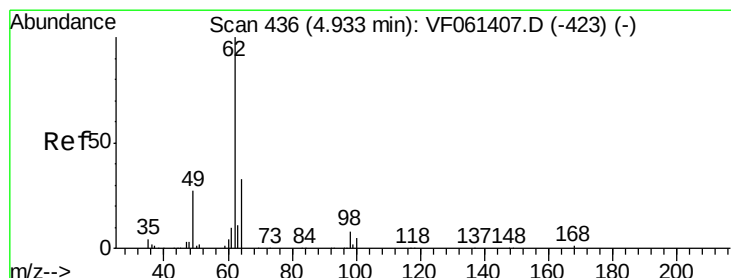
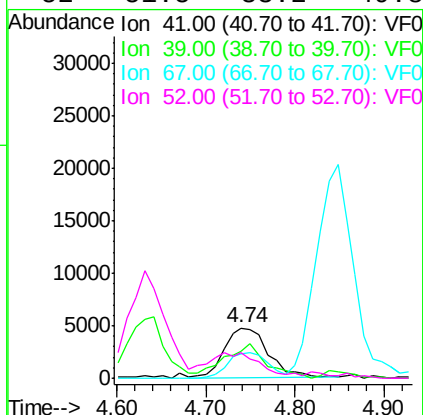
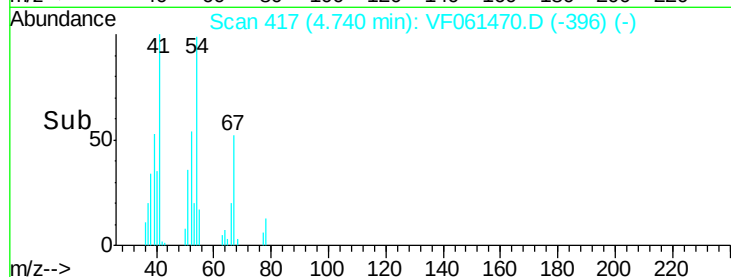
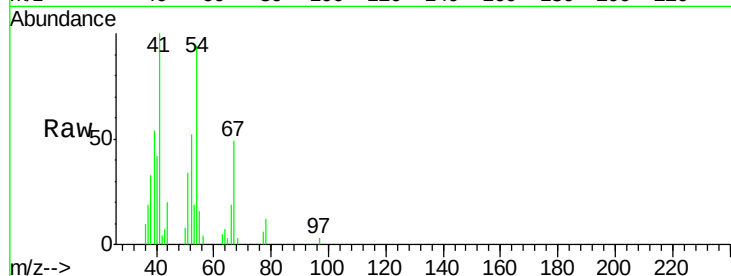
#41
Methacrylonitrile
Concen: 19.211 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	49.1	38.8	58.2
52	51.5	33.2	49.8

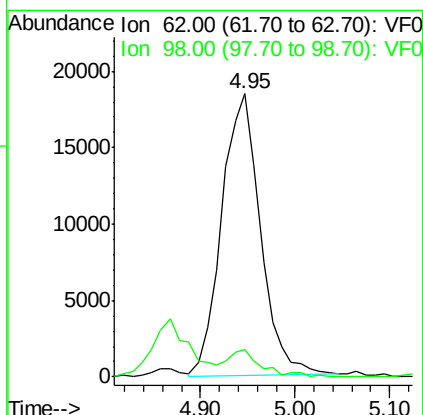
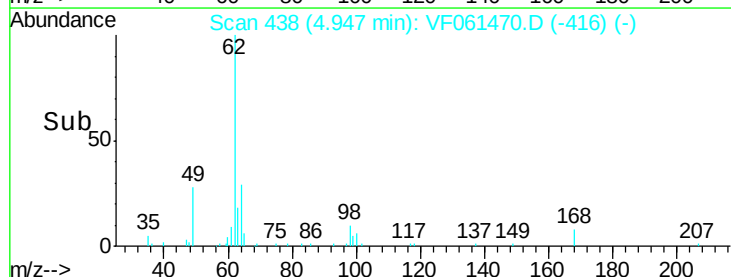
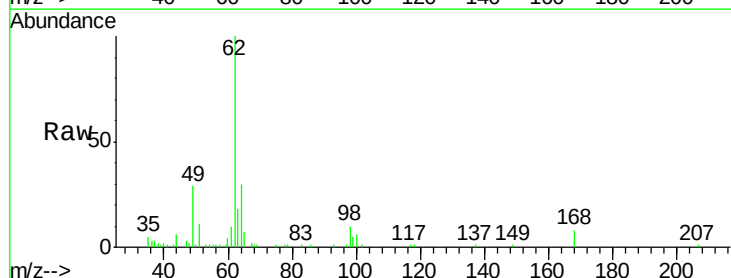
Manual Integrations
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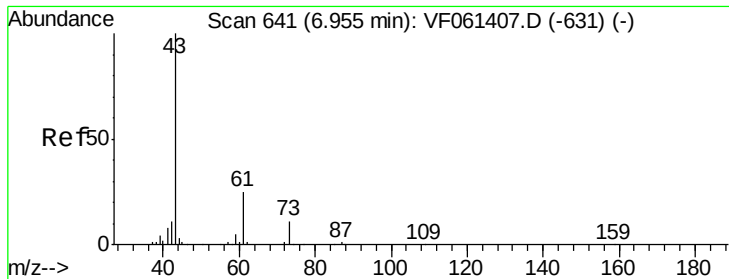
MMDadoda
1/22/2019 2:50:17 PM



#42
1,2-Dichloroethane
Concen: 16.692 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.0





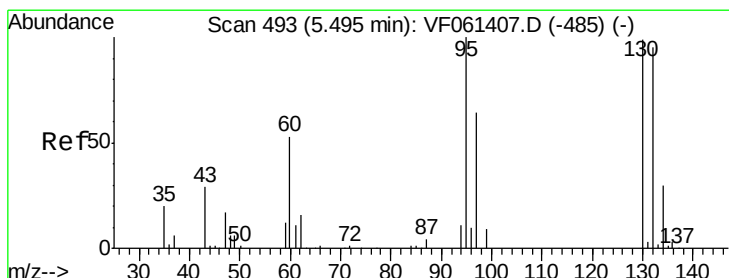
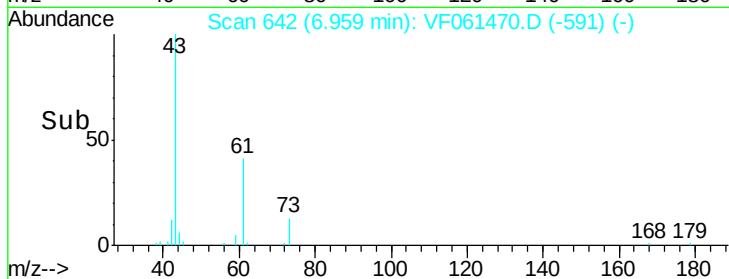
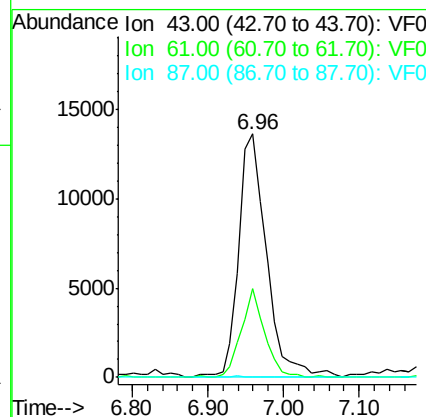
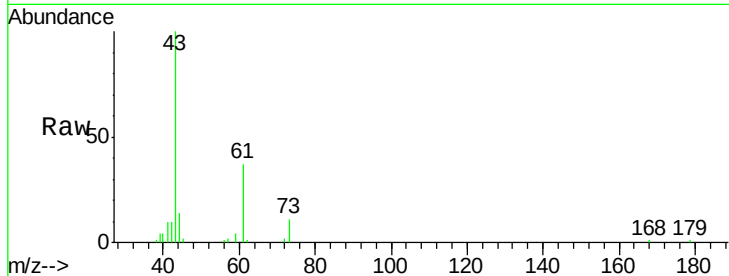
#43
Isopropyl Acetate
Concen: 17.628 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.7	20.3	30.5#
87	0.0	0.5	0.7#

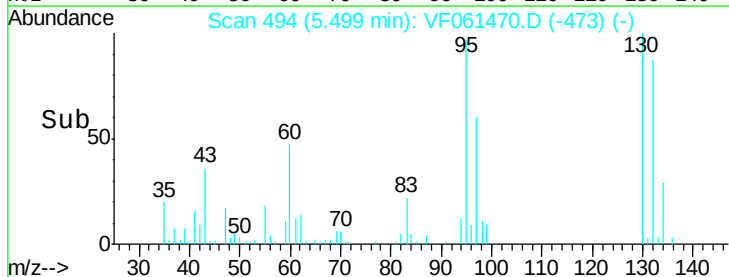
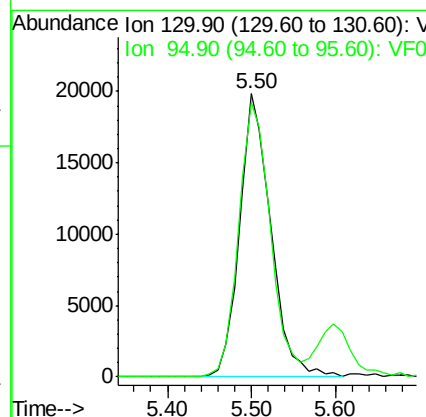
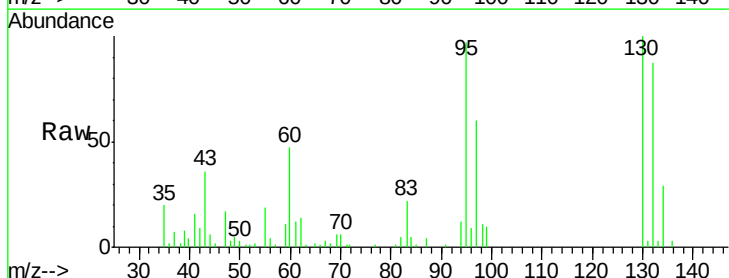
Manual Integrations
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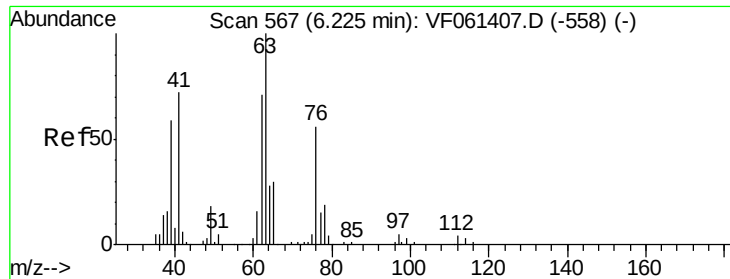
MMDadoda
1/22/2019 2:50:17 PM



#44
Trichloroethene
Concen: 19.097 ug/l
RT: 5.50 min Scan# 494
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	202.8





#45

1,2-Dichloropropane

Concen: 19.410 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion: 63 Resp: 44669

Ion Ratio Lower Upper

63 100

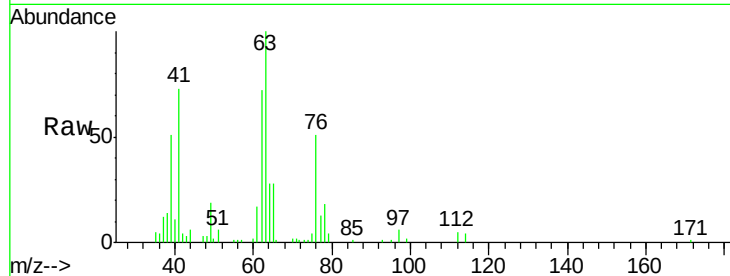
65 28.4 24.4 36.6

Manual Integrations

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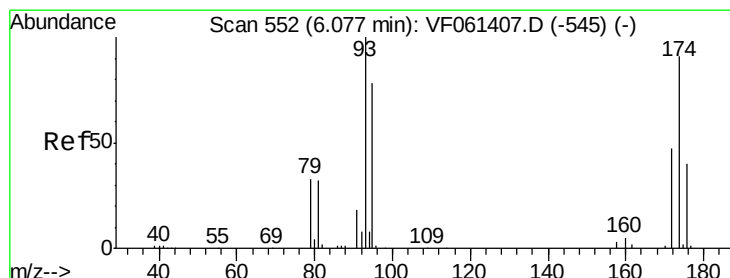
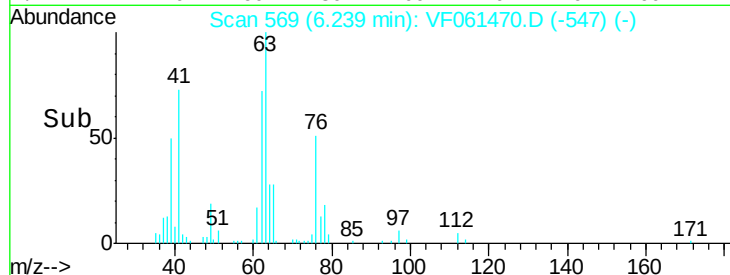
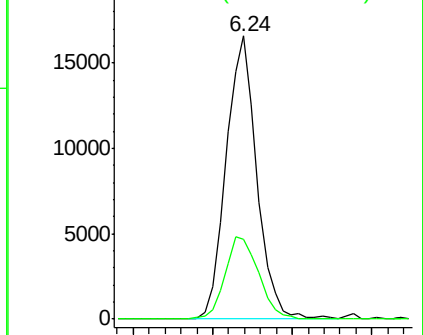
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 16.648 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

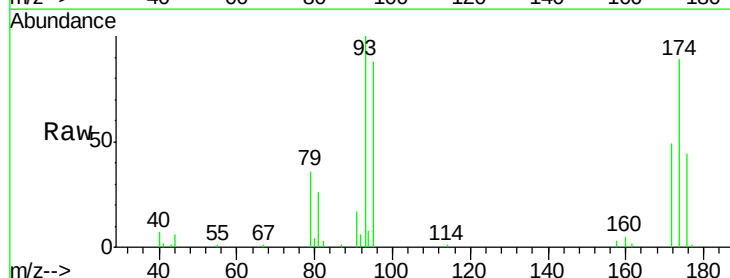
Tgt Ion: 93 Resp: 25475

Ion Ratio Lower Upper

93 100

95 88.1 62.1 93.1

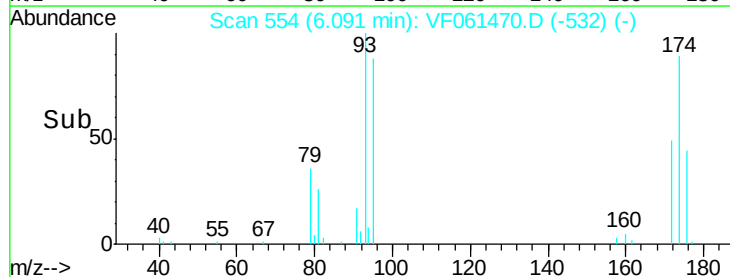
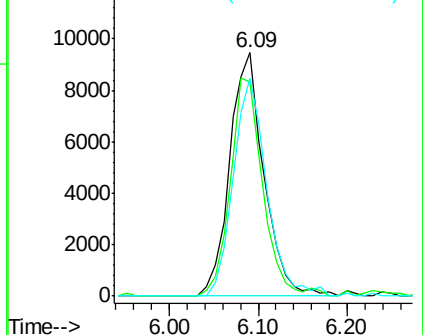
174 89.4 74.6 111.8

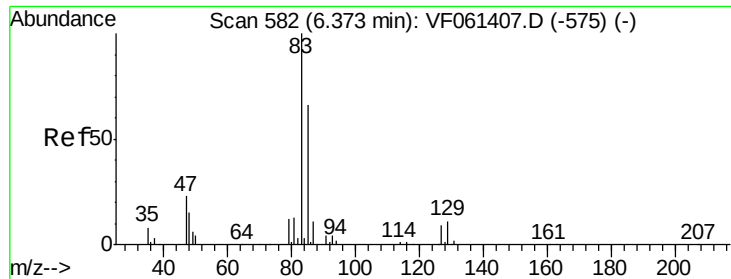


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 18.237 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

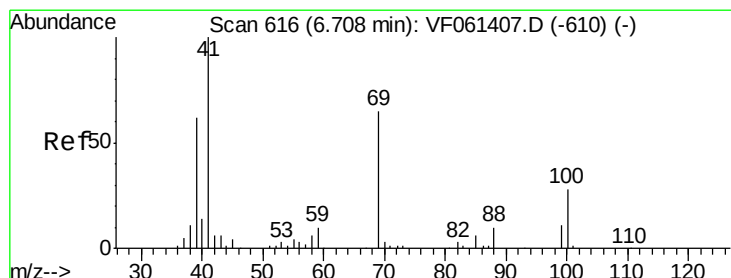
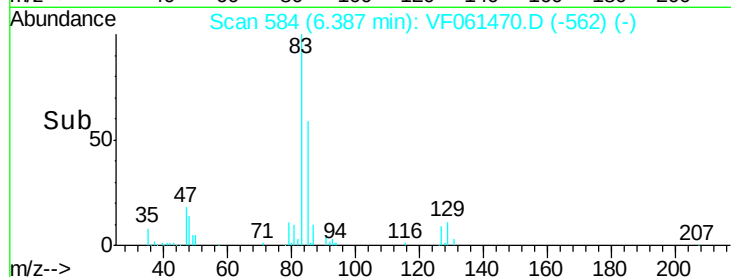
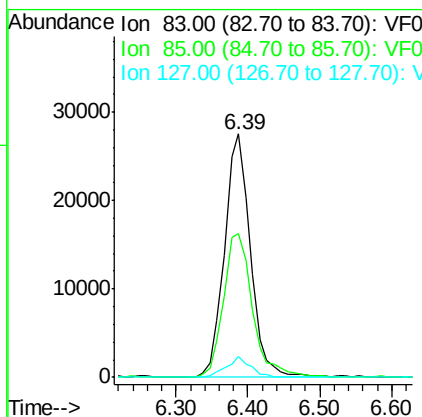
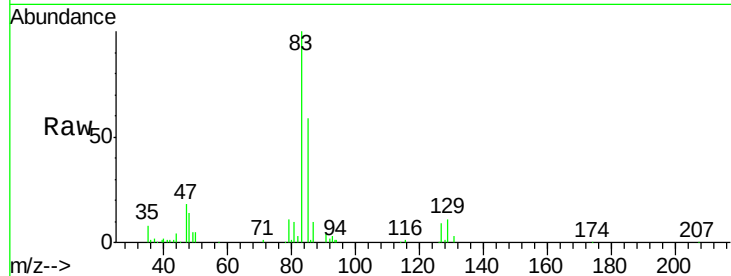
ClientSampleId :

VF0121SBS01

Tot Ion:	83	Resp:	69047
Ion	Ratio	Lower	Upper
83	100		
85	59.1	53.0	79.4
127	8.6	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.466 ug/l

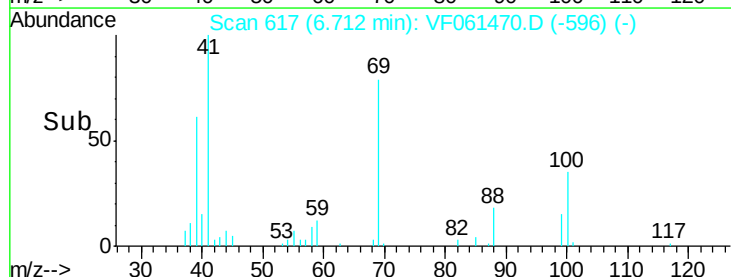
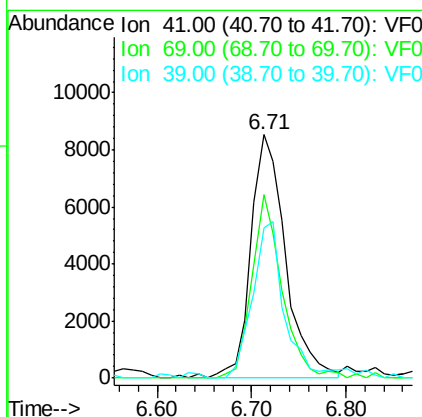
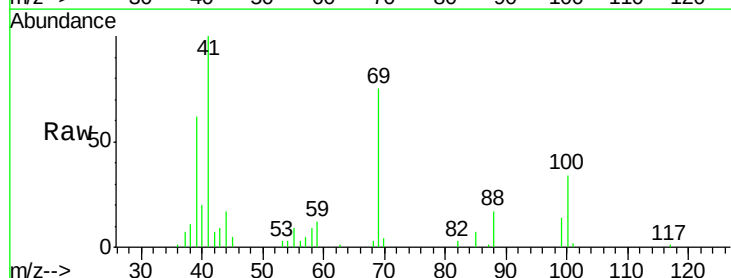
RT: 6.71 min Scan# 617

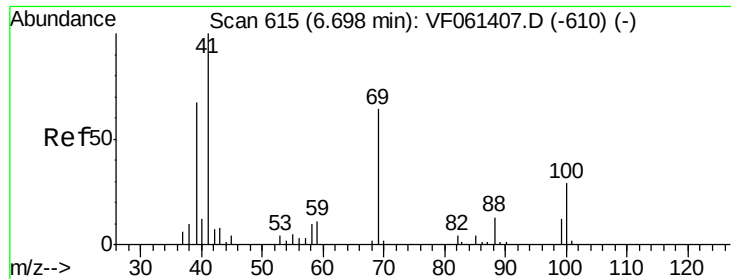
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:	41	Resp:	21859
Ion	Ratio	Lower	Upper
41	100		
69	75.4	51.7	77.5
39	61.8	49.2	73.8





#49

1,4-Dioxane

Concen: 402.945 ug/l

RT: 6.71 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

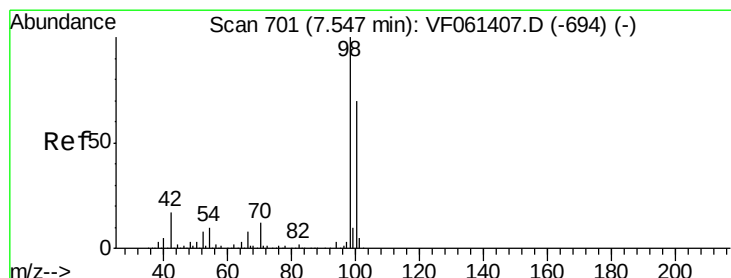
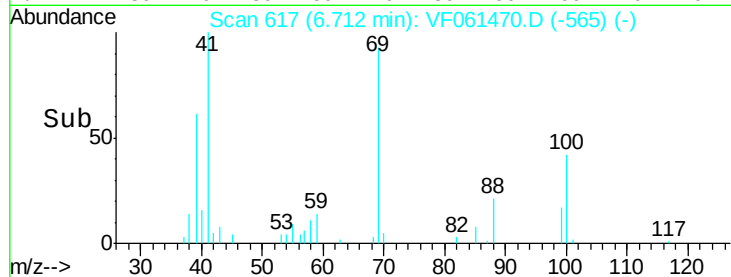
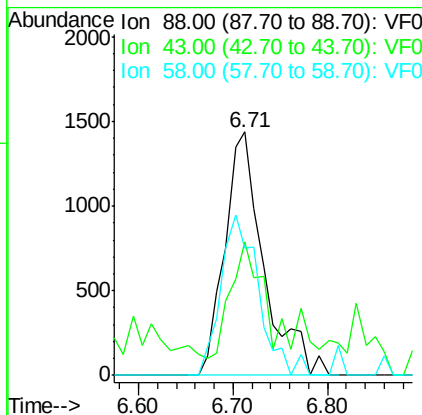
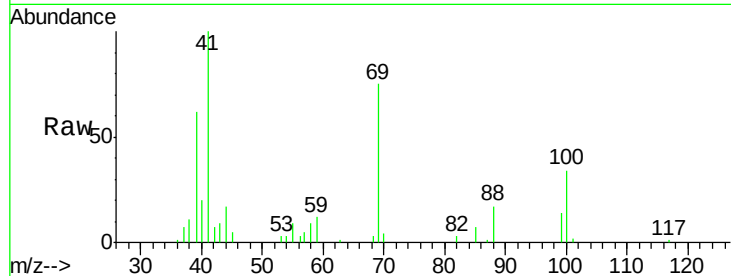
ClientSampleId :

VF0121SBS01

Tot Ion:	88	Resp:	4118
Ion	Ratio	Lower	Upper
88	100		
43	54.9	55.5	83.3#
58	52.1	59.9	89.9#

Manual Integrations
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#50

Toluene-d8

Concen: 48.765 ug/l

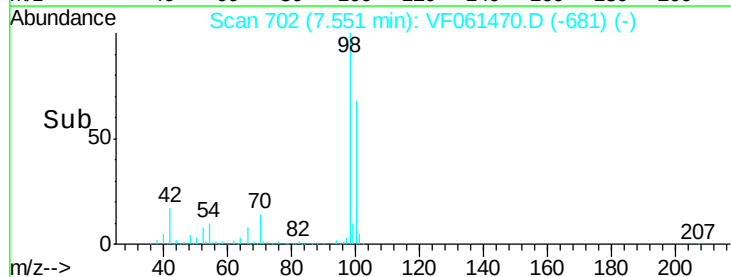
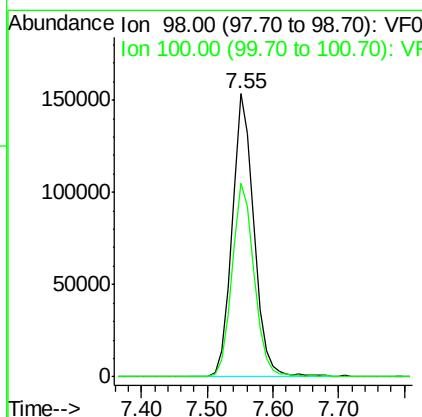
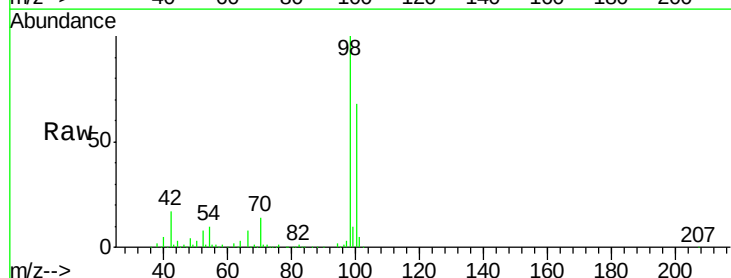
RT: 7.55 min Scan# 702

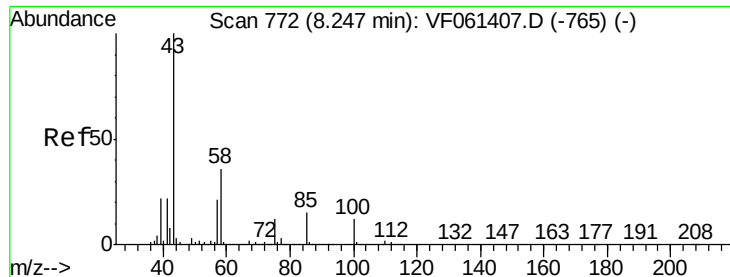
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:	98	Resp:	358312
Ion	Ratio	Lower	Upper
98	100		
100	68.4	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 92.645 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion: 43 Resp: 134648

Ion Ratio Lower Upper

43 100

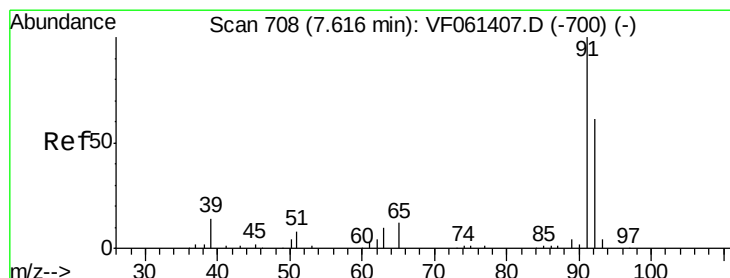
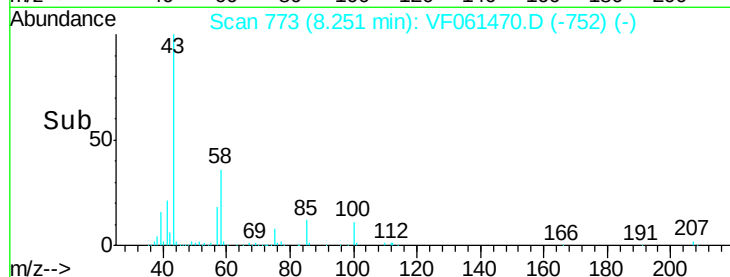
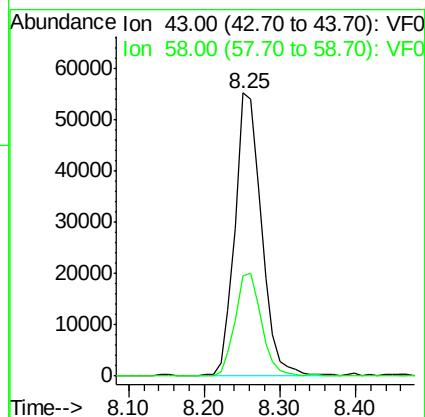
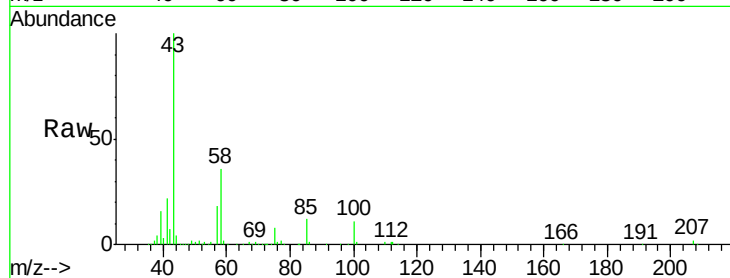
58 35.6 28.8 43.2

Manual Integrations

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1/22/2019 2:50:17 PM



#52

Toluene

Concen: 18.479 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061470.D

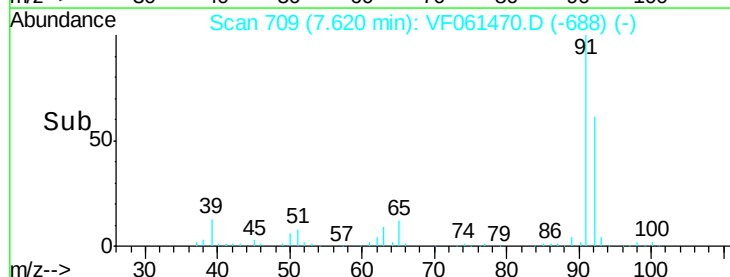
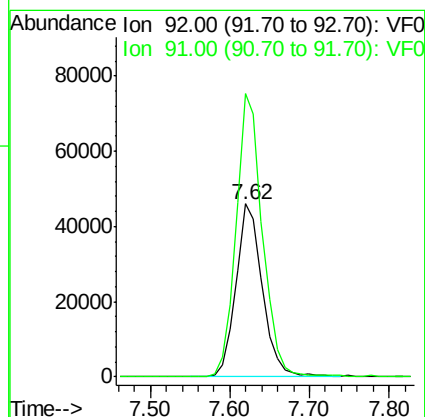
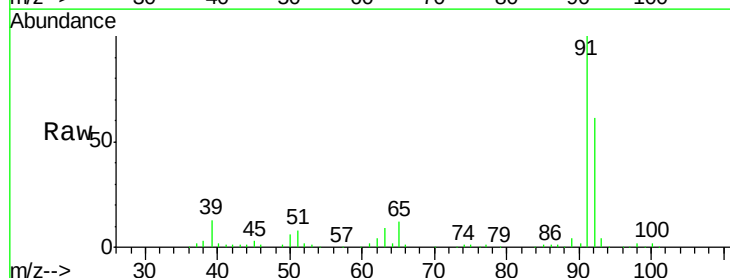
Acq: 21 Jan 2019 13:33

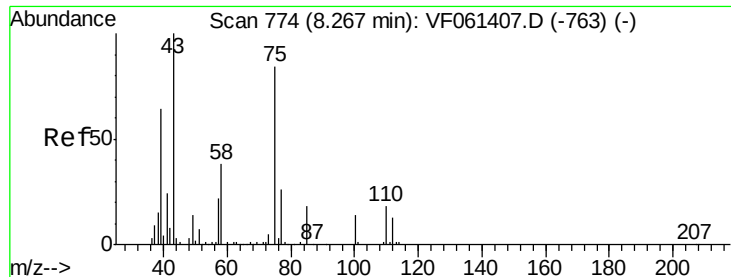
Tgt Ion: 92 Resp: 106703

Ion Ratio Lower Upper

92 100

91 163.8 131.2 196.8





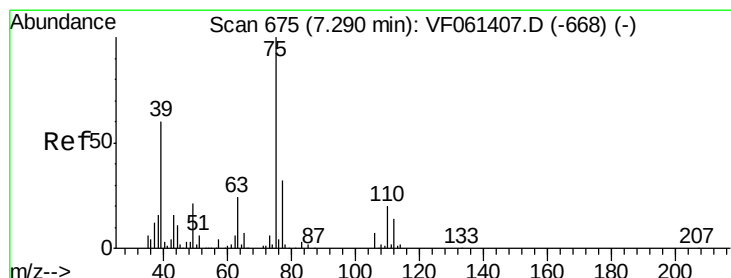
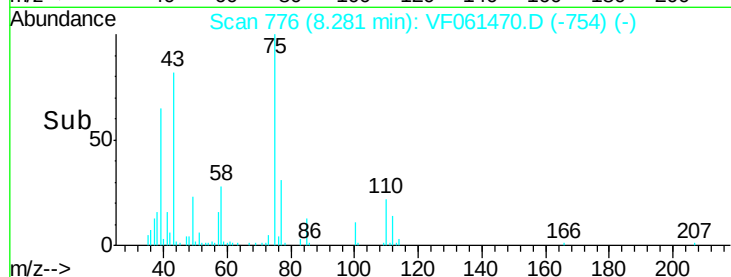
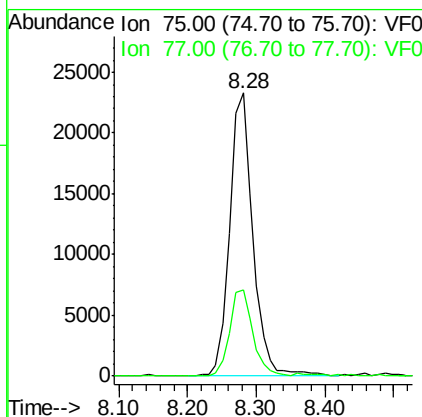
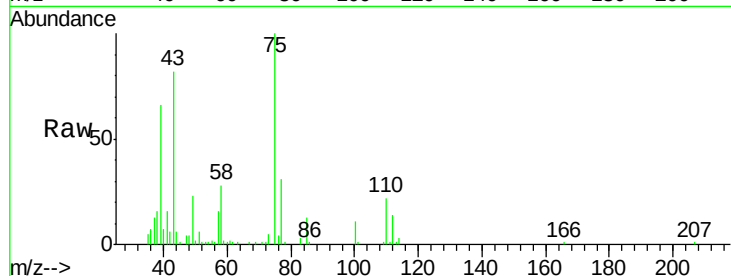
#53
 t-1,3-Dichloropropene
 Concen: 18.071 ug/l
 RT: 8.28 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.4	36.6

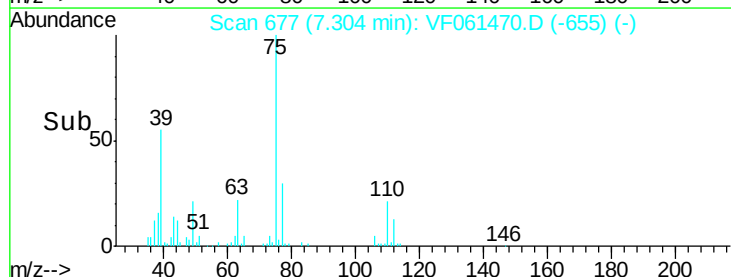
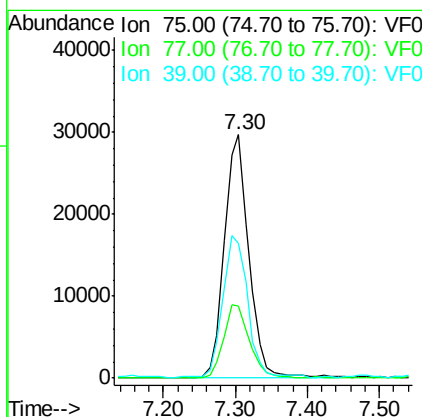
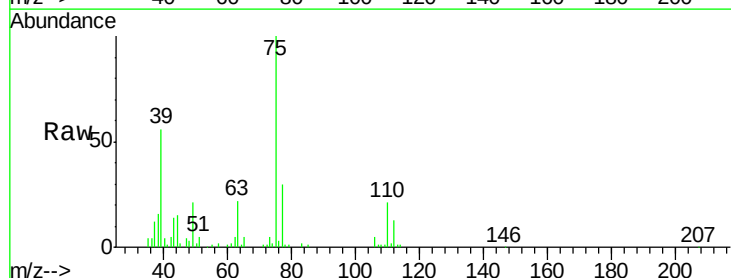
Manual Integrations
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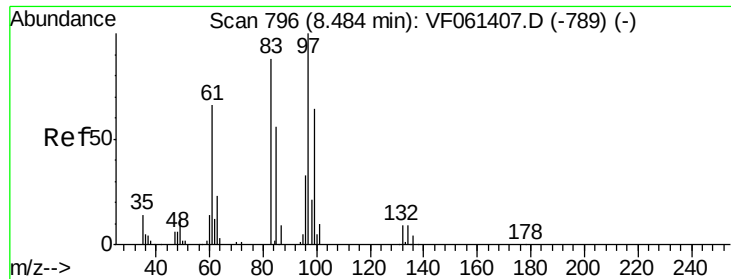
MMDadoda
 1/22/2019 2:50:17 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.629 ug/l
 RT: 7.30 min Scan# 677
 Delta R.T. 0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.4	38.0
39	55.5	47.8	71.8





#55

1,1,2-Trichloroethane

Concen: 17.810 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

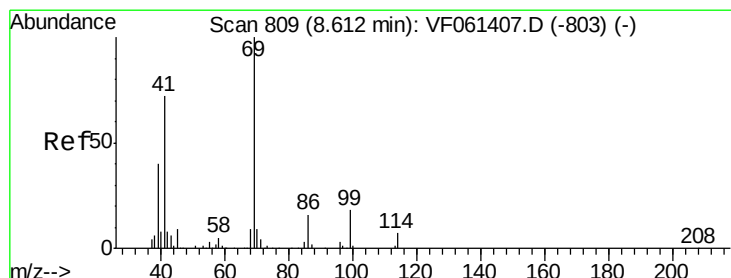
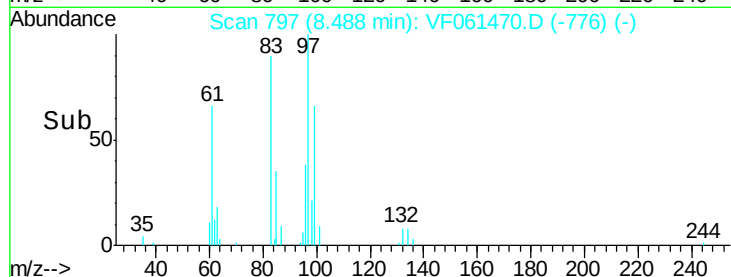
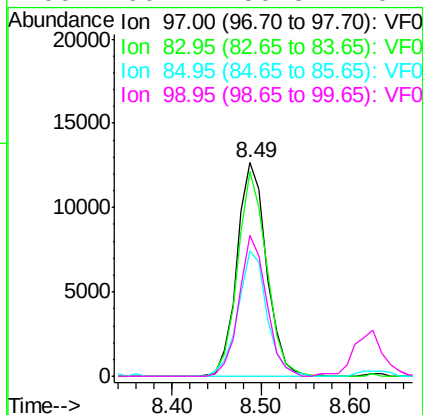
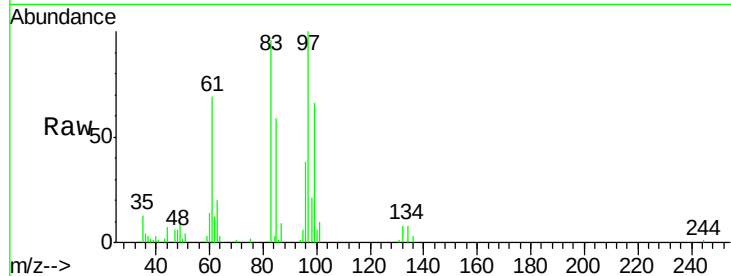
ClientSampleId :

VF0121SBS01

Tot Ion:	97	Resp:	29204
Ion	Ratio	Lower	Upper
97	100		
83	96.1	70.4	105.6
85	58.7	44.7	67.1
99	66.2	50.8	76.2

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#56

Ethyl methacrylate

Concen: 16.999 ug/l

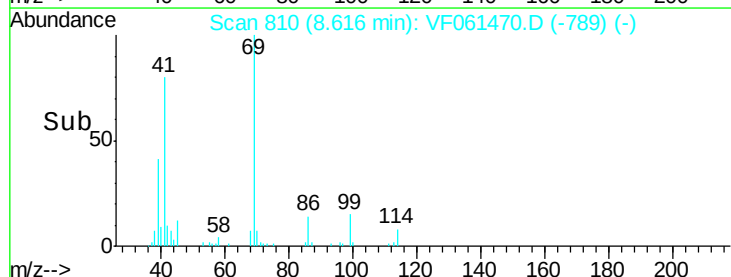
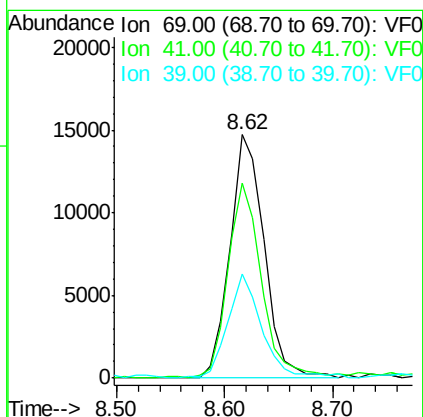
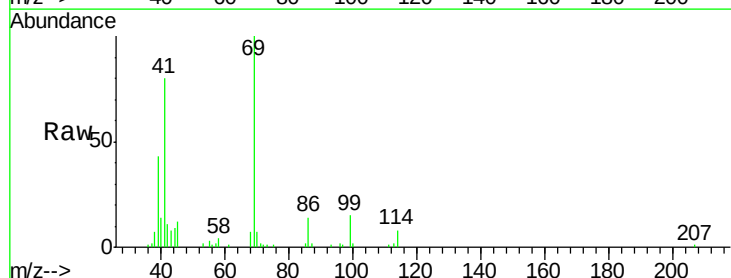
RT: 8.62 min Scan# 810

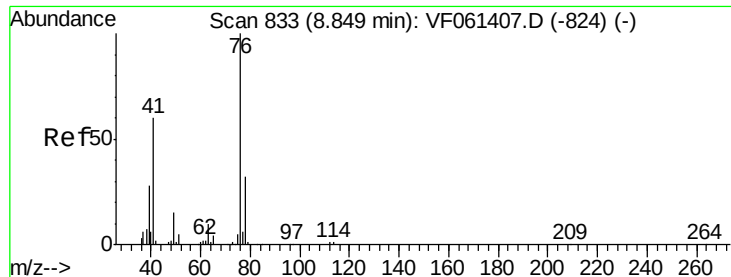
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:	69	Resp:	32430
Ion	Ratio	Lower	Upper
69	100		
41	80.1	57.5	86.3
39	43.0	32.0	48.0





#57

1,3-Dichloropropane

Concen: 17.871 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampled :

VF0121SBS01

Tot Ion: 76 Resp: 54925

Ion Ratio Lower Upper

76 100

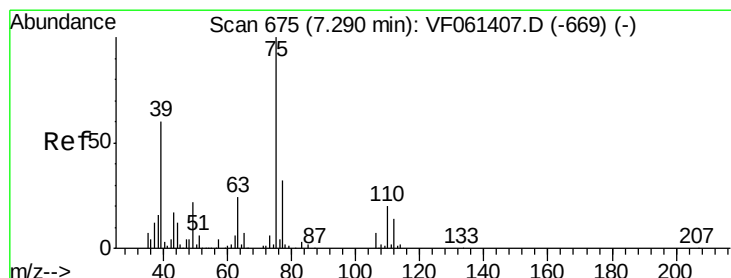
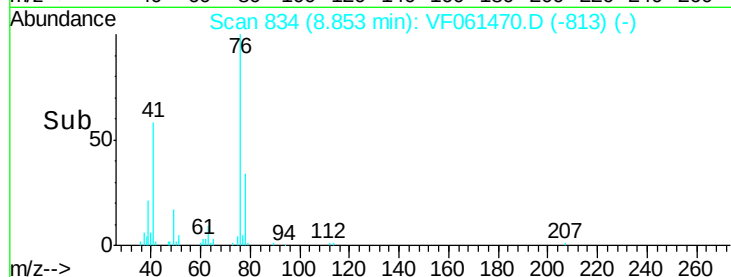
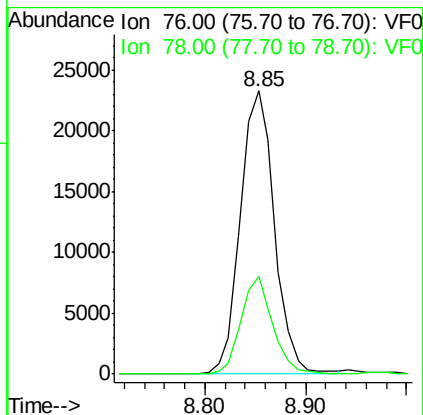
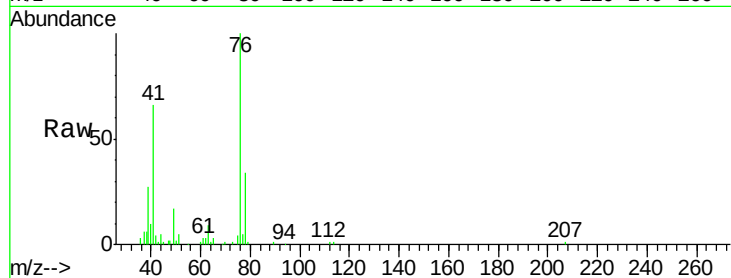
78 34.5 25.3 37.9

Manual Integrations

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1/22/2019 2:50:17 PM



#58

2-Chloroethyl Vinyl ether

Concen: 103.446 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061470.D

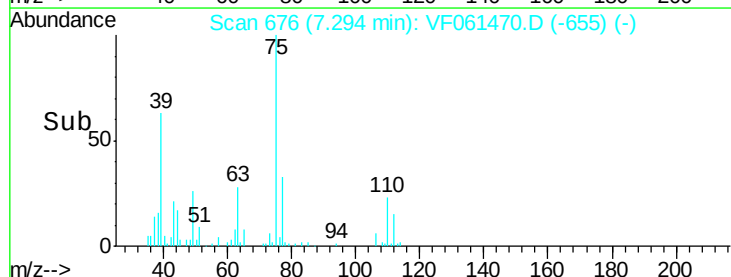
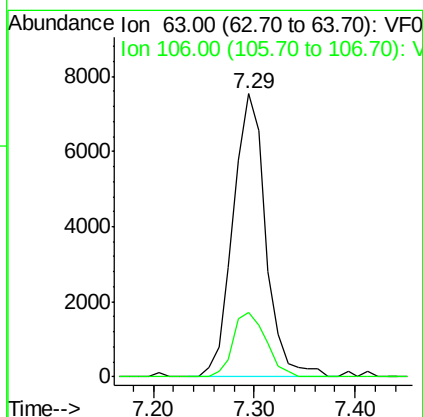
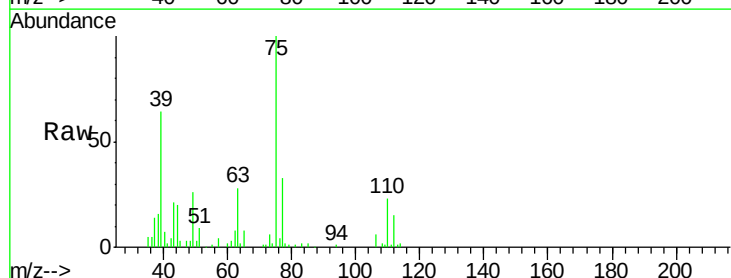
Acq: 21 Jan 2019 13:33

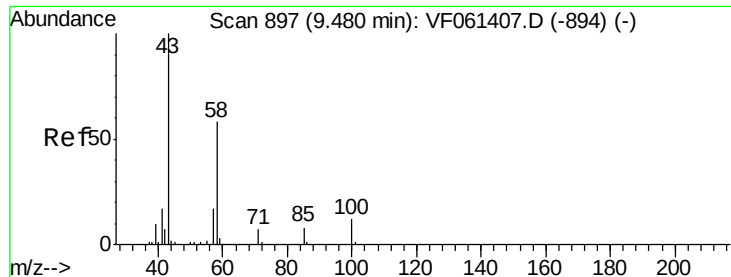
Tgt Ion: 63 Resp: 17068

Ion Ratio Lower Upper

63 100

106 22.9 21.9 32.9





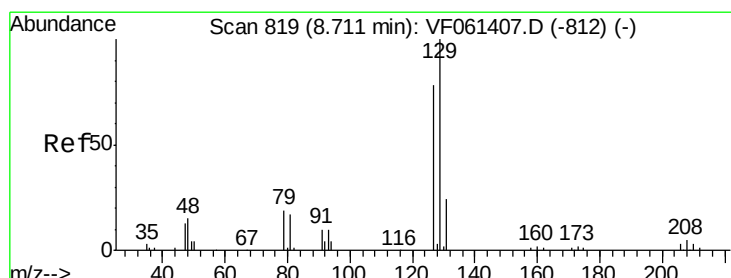
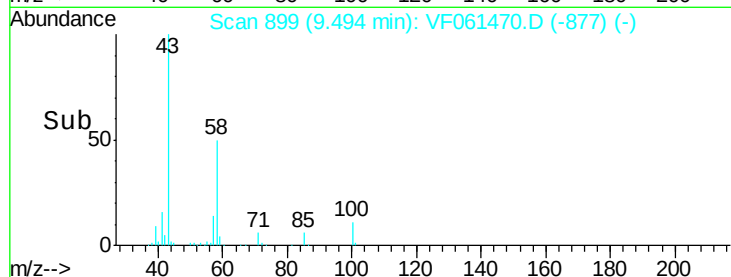
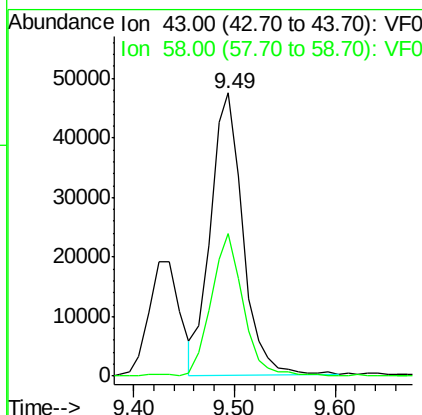
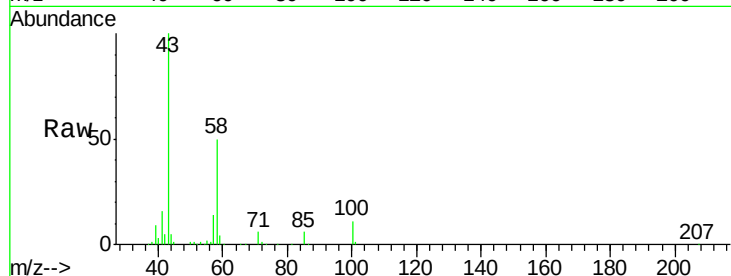
#59
2-Hexanone
Concen: 104.035 ug/l
RT: 9.49 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion: 43 Resp: 105436
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.6

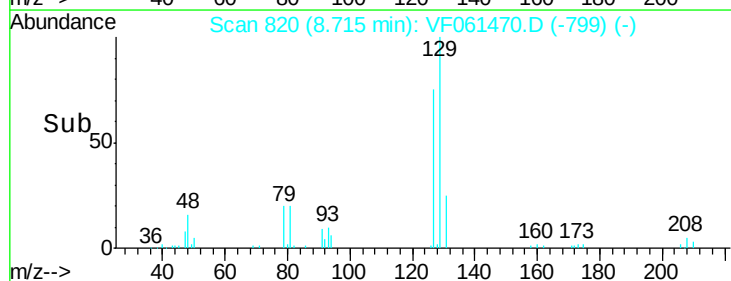
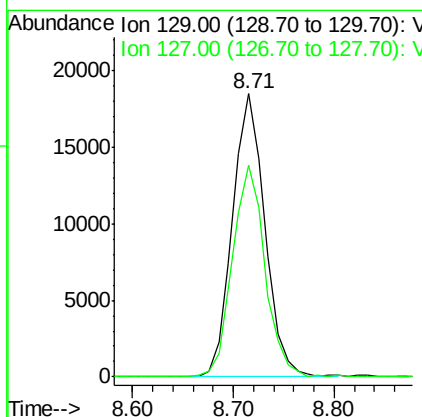
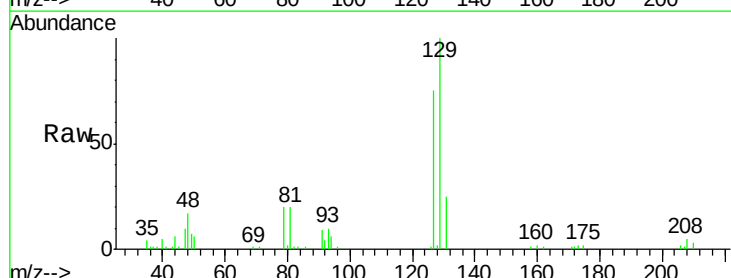
Manual Integrations
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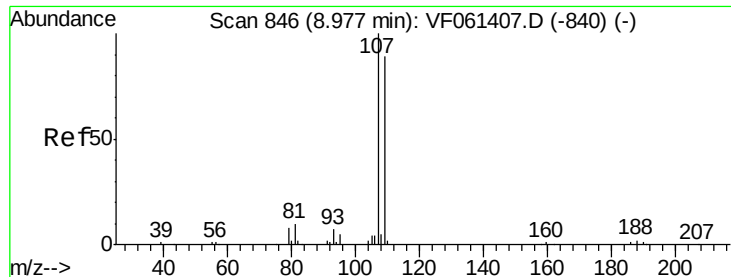
MMDadoda
1/22/2019 2:50:17 PM



#60
Dibromochloromethane
Concen: 17.268 ug/l
RT: 8.71 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion: 129 Resp: 41395
Ion Ratio Lower Upper
129 100
127 74.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 16.766 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion:107 Resp: 31473

Ion Ratio Lower Upper

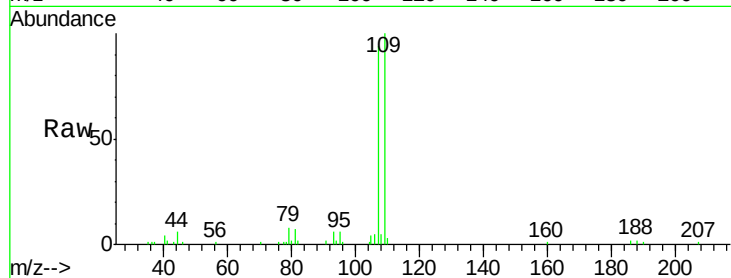
107 100

109 106.7 70.8 106.2#

Manual Integrations
APPROVED

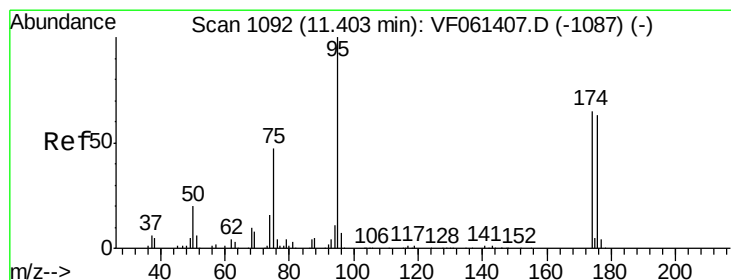
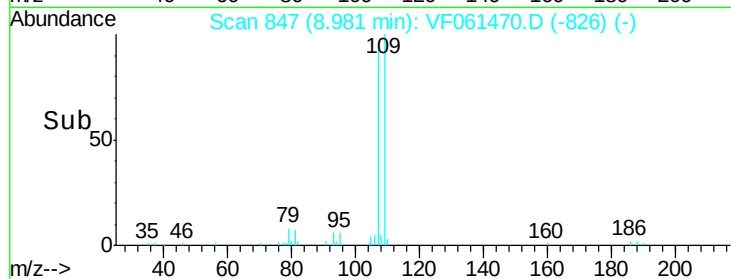
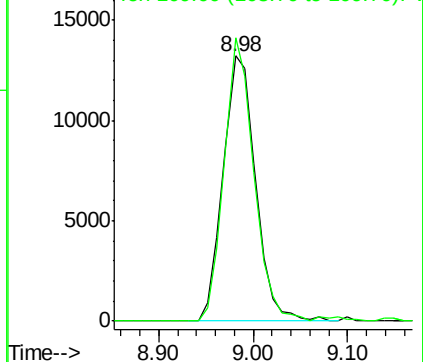
MMDadoda

1/22/2019 2:50:17 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.776 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

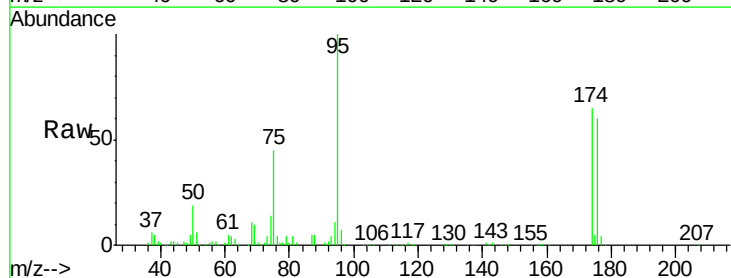
Tgt Ion: 95 Resp: 170886

Ion Ratio Lower Upper

95 100

174 64.7 0.0 130.4

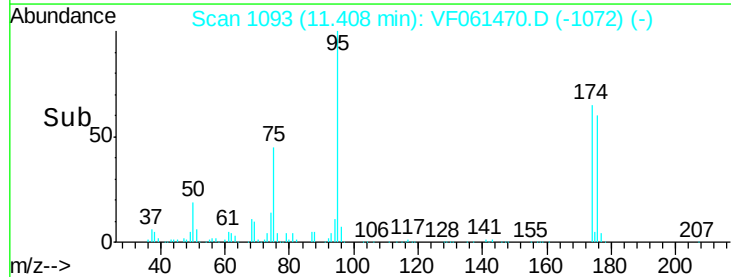
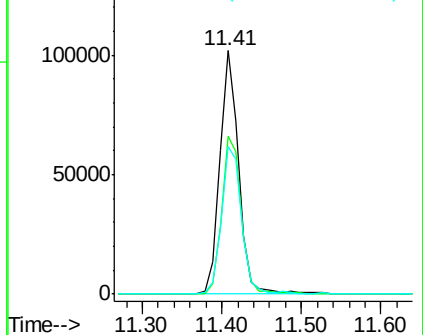
176 60.4 0.0 126.2

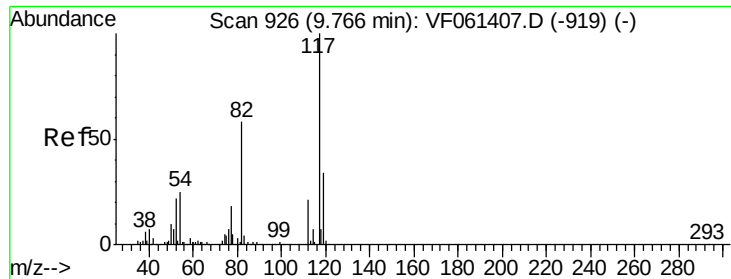


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

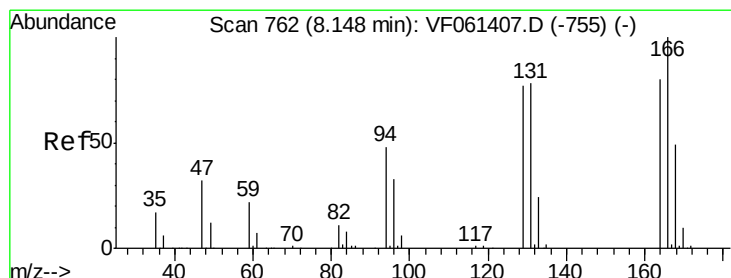
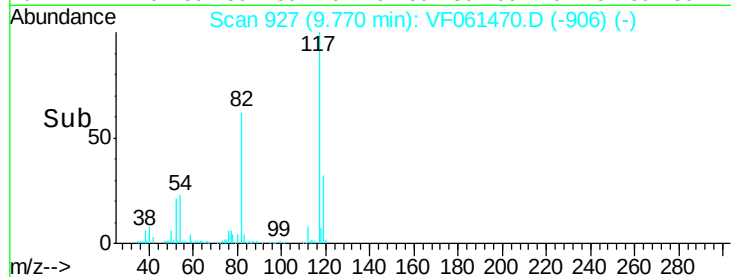
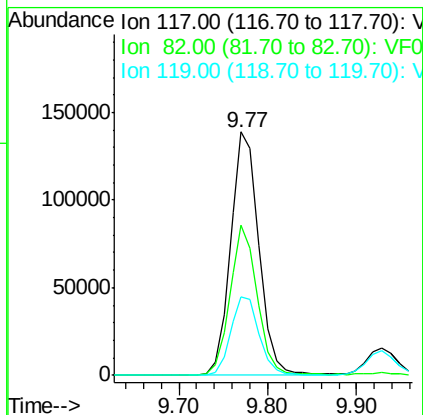
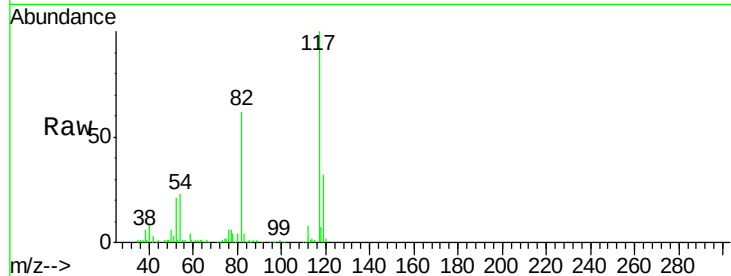
ClientSampleId :

VF0121SBS01

Tot Ion:117	Resp:	310217
Ion Ratio	Lower	Upper
117 100		
82 61.7	46.4	69.6
119 32.4	27.2	40.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 18.341 ug/l

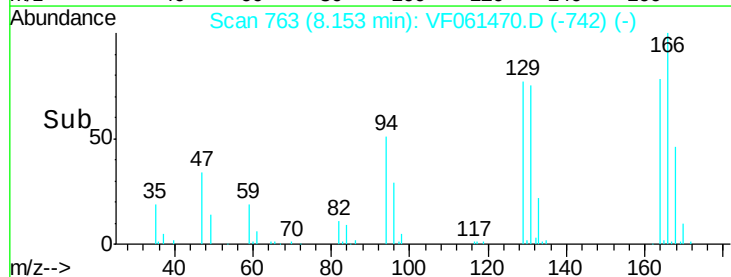
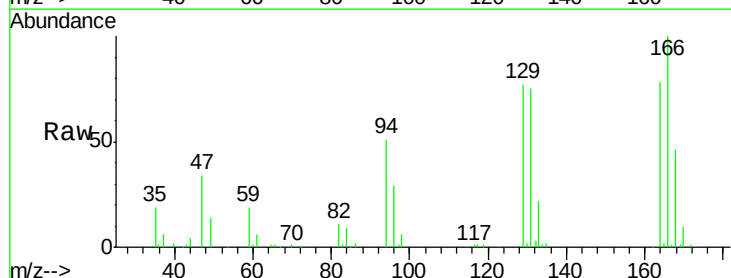
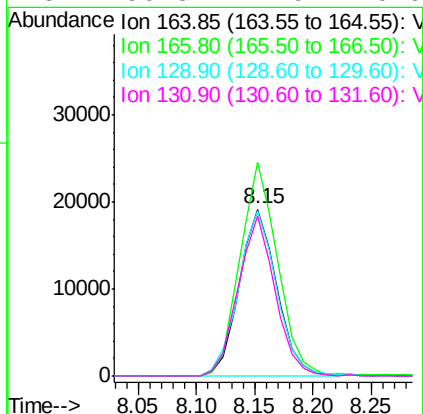
RT: 8.15 min Scan# 763

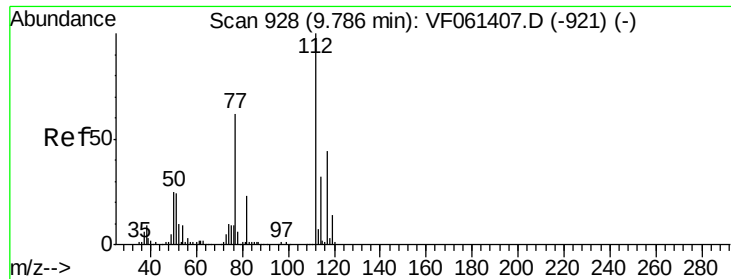
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:164	Resp:	42786
Ion Ratio	Lower	Upper
164 100		
166 128.3	99.6	149.4
129 99.0	76.4	114.6
131 96.3	77.9	116.9





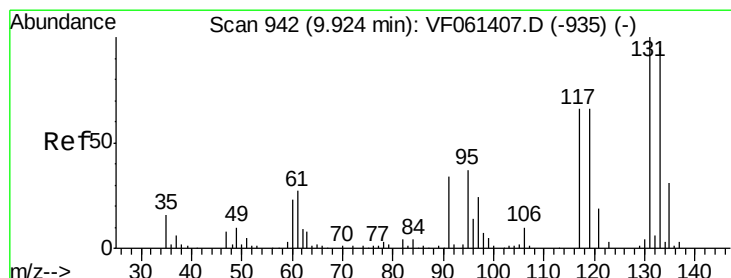
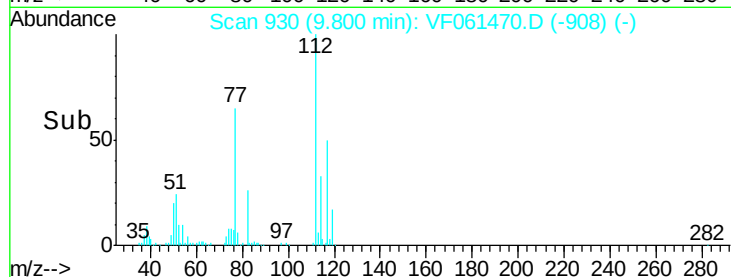
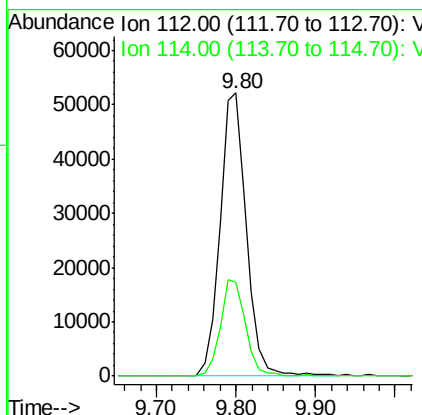
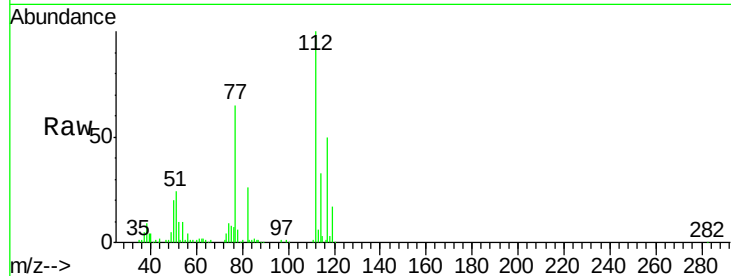
#65
Chlorobenzene
Concen: 19.297 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion:112 Resp: 121733
Ion Ratio Lower Upper
112 100
114 33.3 25.4 38.0

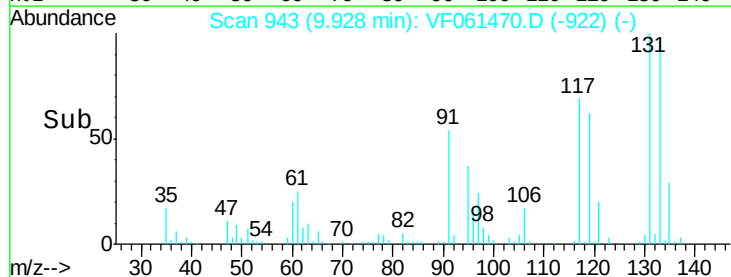
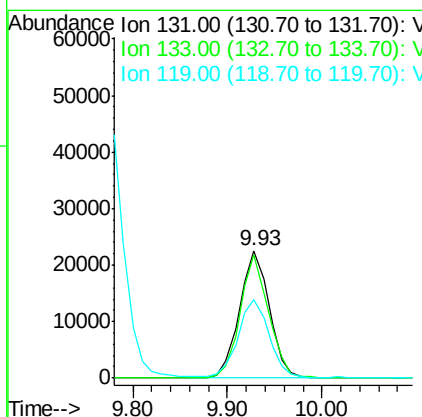
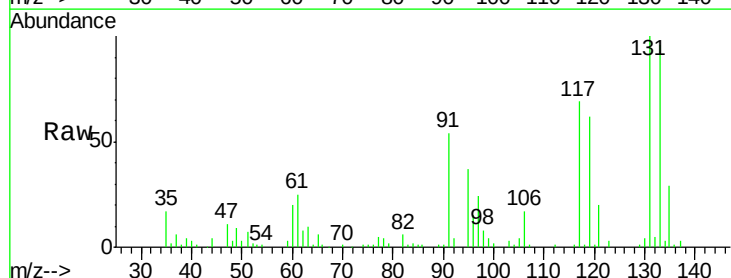
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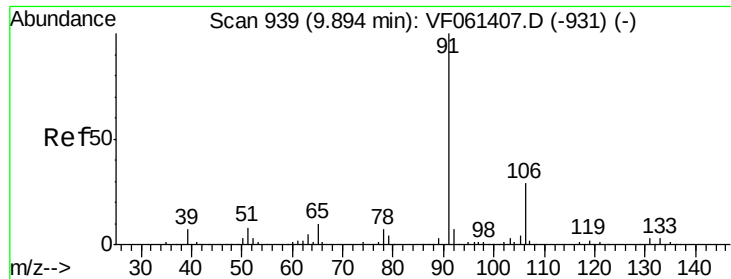
MMDadoda
1/22/2019 2:50:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.751 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion:131 Resp: 49635
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.2
119 61.6 33.1 99.3





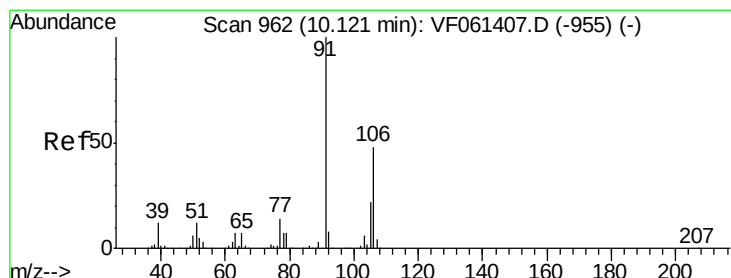
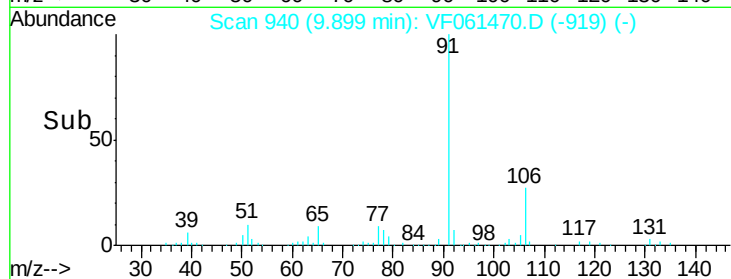
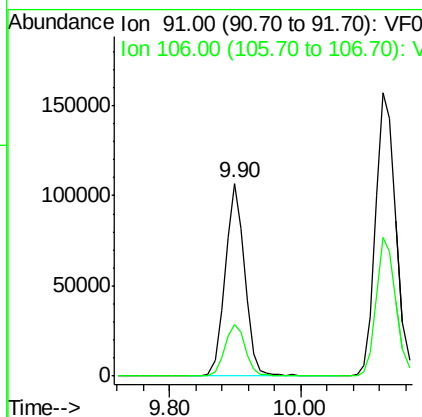
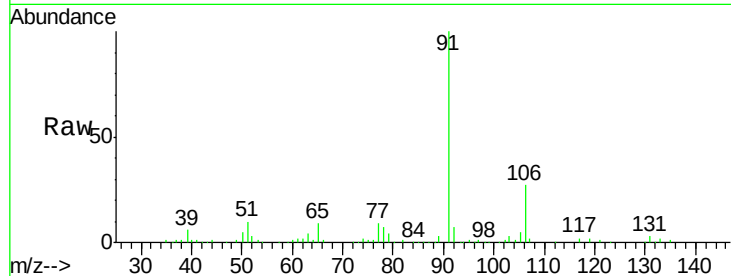
#67
Ethyl Benzene
Concen: 19.408 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion: 91 Resp: 223697
Ion Ratio Lower Upper
91 100
106 26.9 23.1 34.7

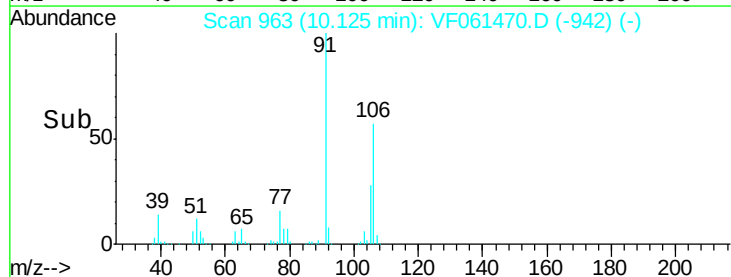
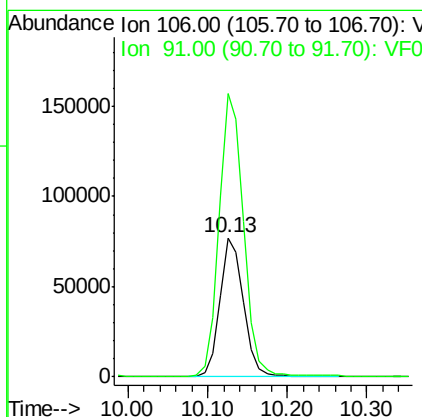
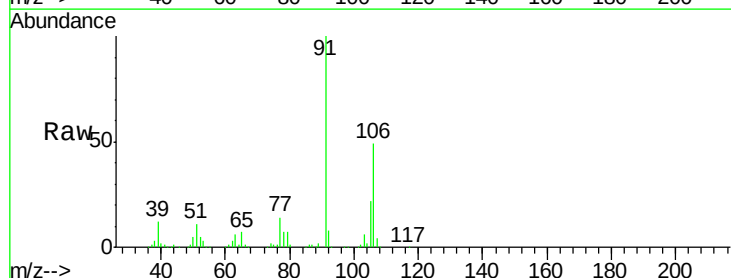
Manual Integrations
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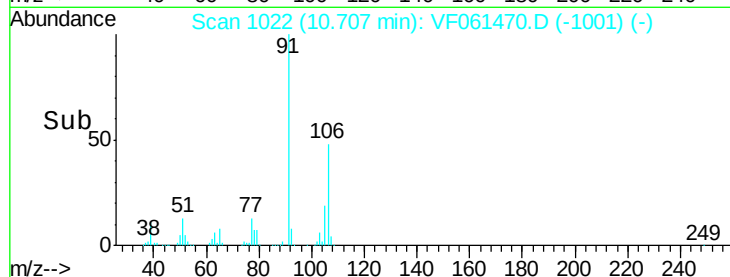
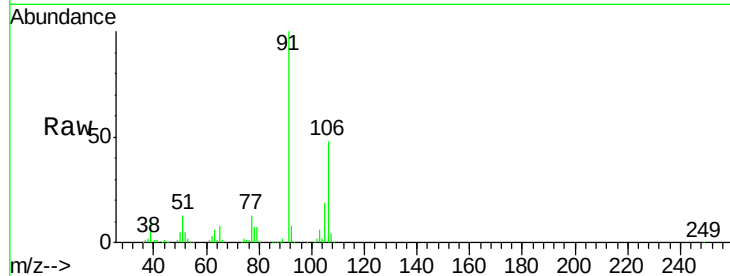
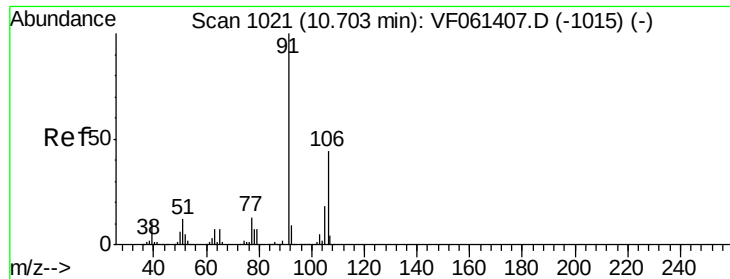
MMDadoda
1/22/2019 2:50:17 PM



#68
m/p-Xylenes
Concen: 39.172 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion: 106 Resp: 162388
Ion Ratio Lower Upper
106 100
91 203.3 166.2 249.4





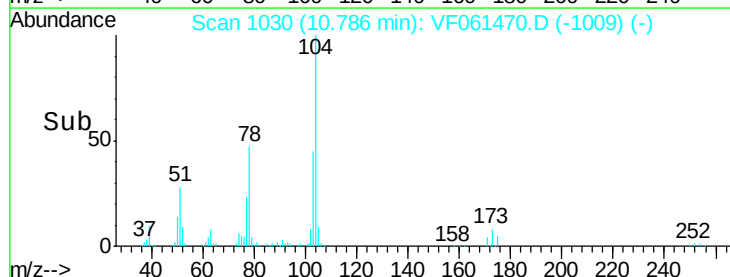
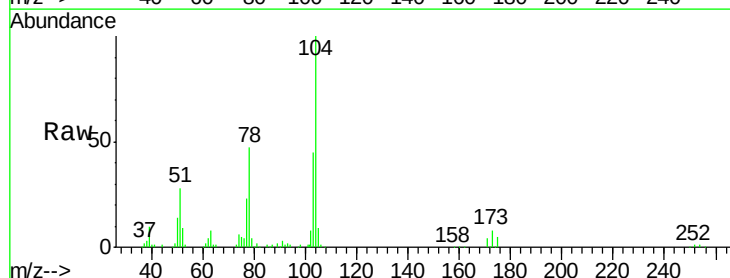
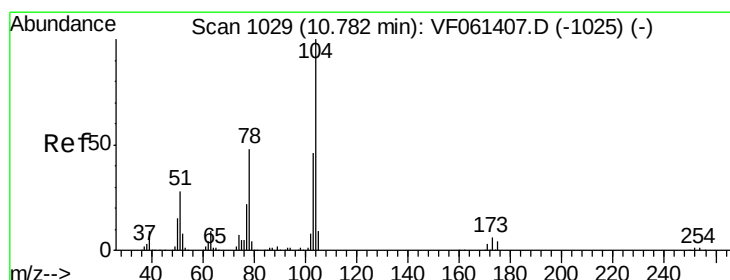
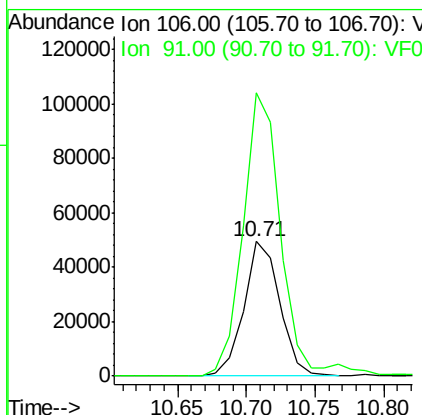
#69
o-Xylene
Concen: 20.123 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tot Ion:106 Resp: 90414
Ion Ratio Lower Upper
106 100
91 210.3 113.3 339.8

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

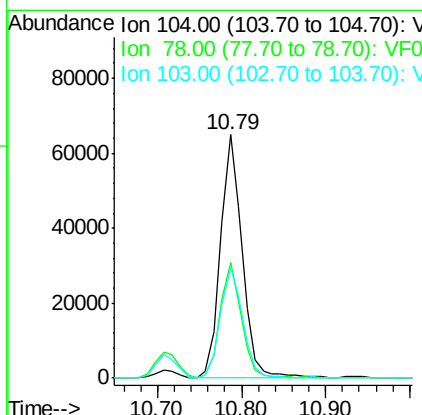
Manual Integrations
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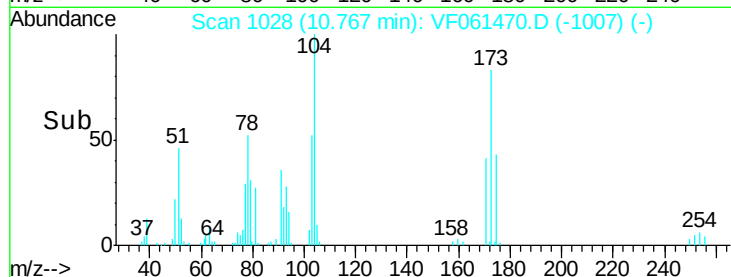
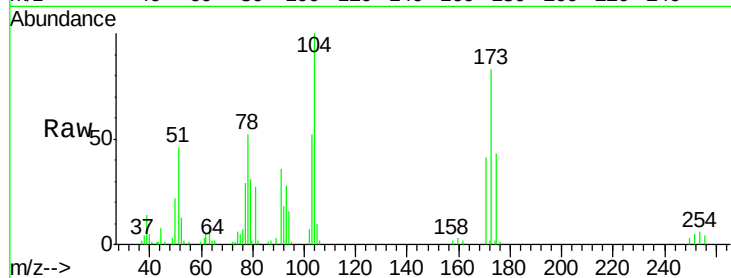
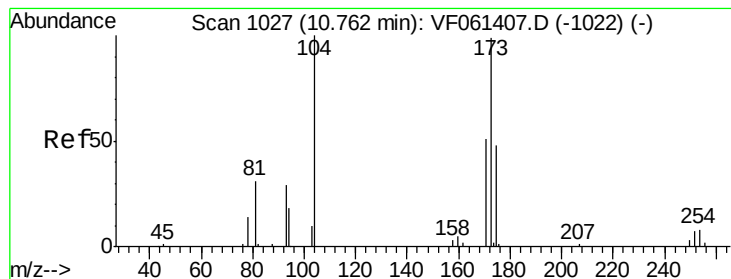
MMDadoda
1/22/2019 2:50:17 PM



#70
Styrene
Concen: 18.837 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion:104 Resp: 115849
Ion Ratio Lower Upper
104 100
78 47.4 38.8 58.2
103 45.4 37.0 55.6





#71

Bromoform

Concen: 18.414 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.6	24.1	72.4
254	7.6	0.0	0.0

Instrument :

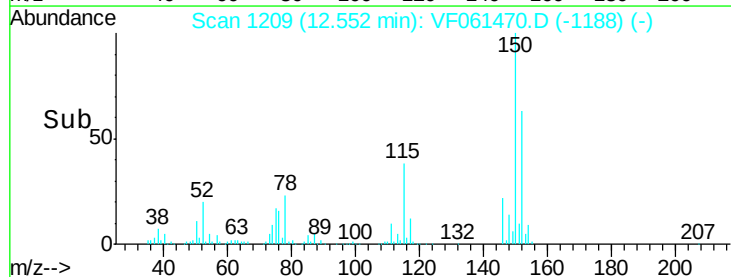
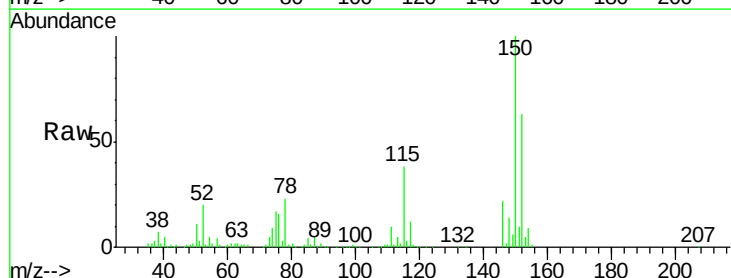
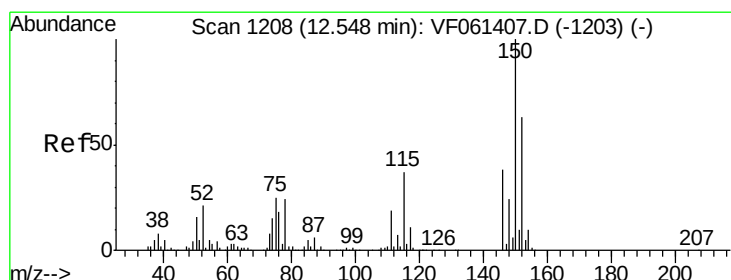
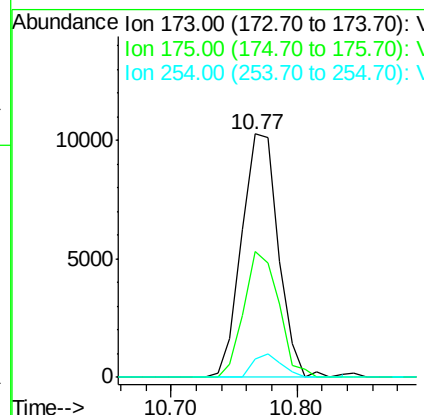
MSVOA_F

ClientSampled :

VF0121SBS01

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

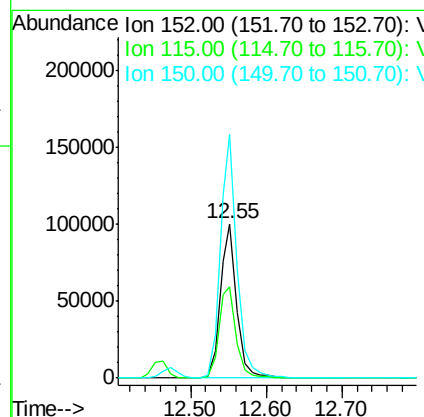
RT: 12.55 min Scan# 1209

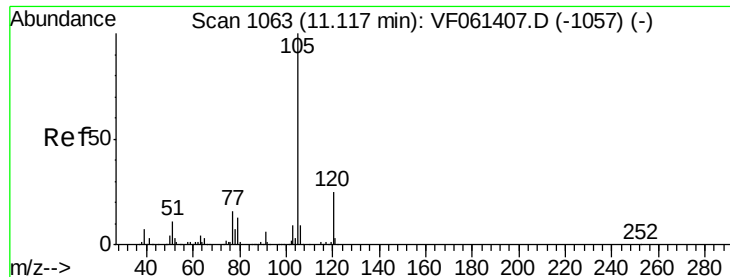
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.0	90.0
150	158.0	0.0	321.4





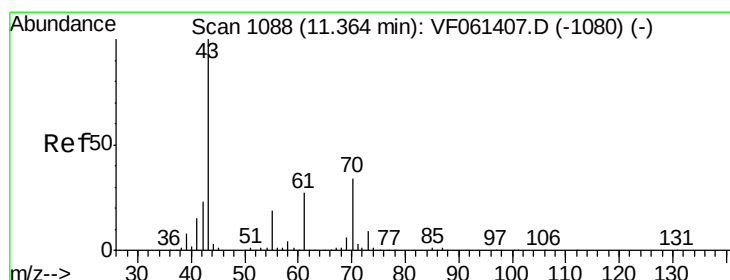
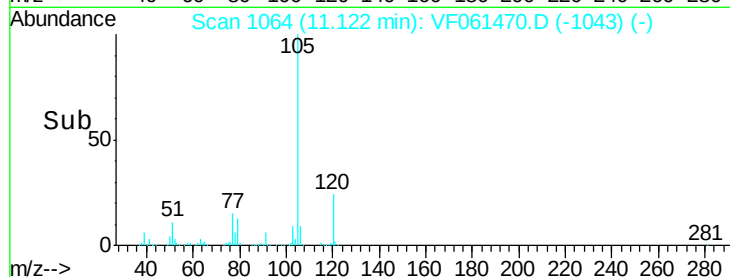
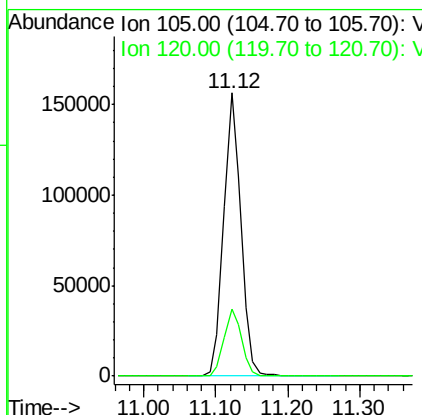
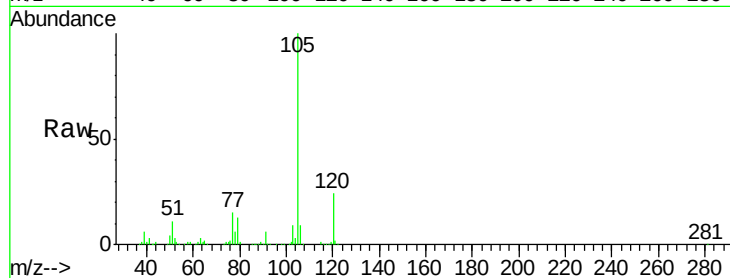
#73
Isopropylbenzene
Concen: 20.924 ug/l
RT: 11.12 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	23.8	12.6	37.8

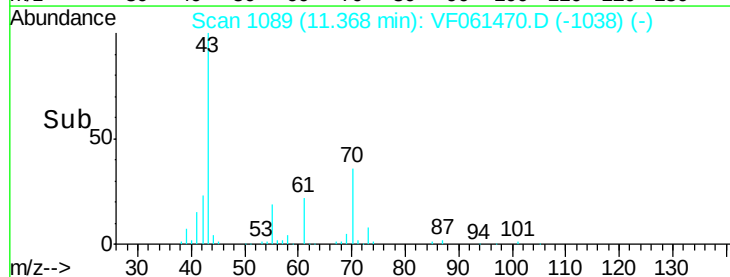
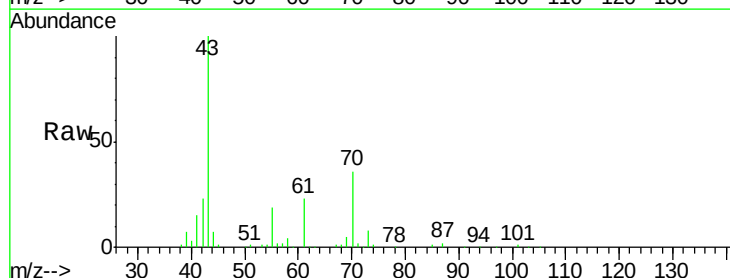
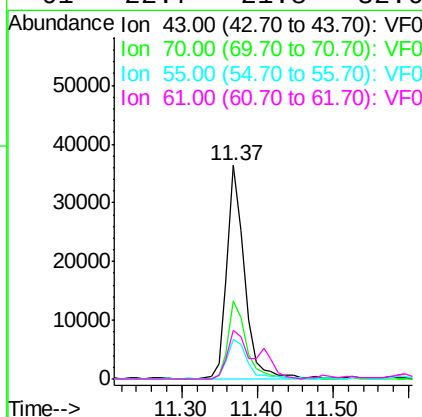
Manual Integrations
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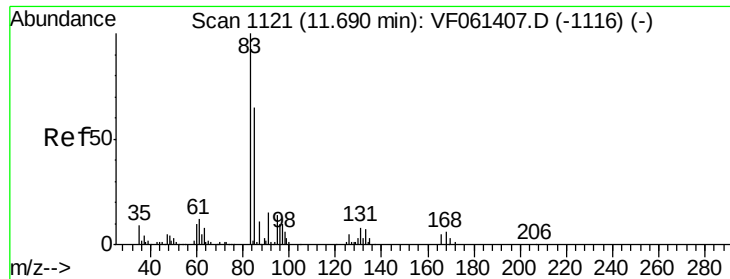
MMDadoda
1/22/2019 2:50:17 PM



#74
N-ethyl acetate
Concen: 20.305 ug/l
RT: 11.37 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.4	27.6	41.4
55	18.6	15.4	23.2
61	22.7	21.8	32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.372 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

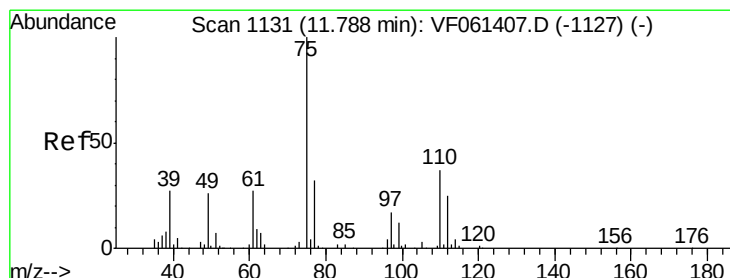
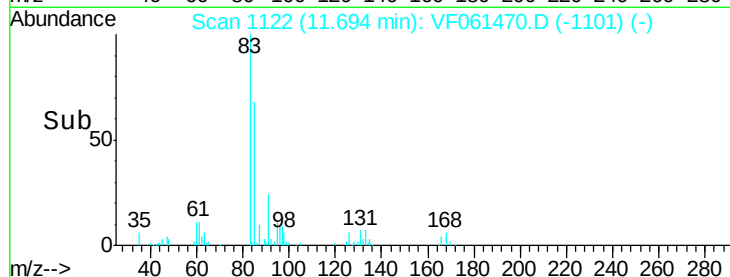
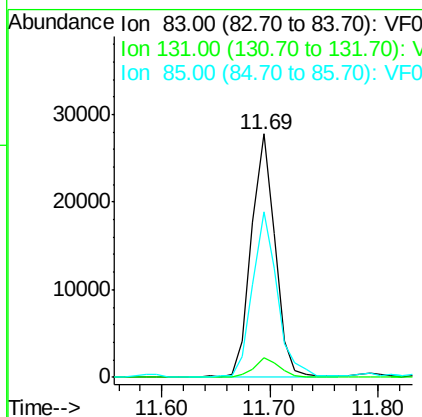
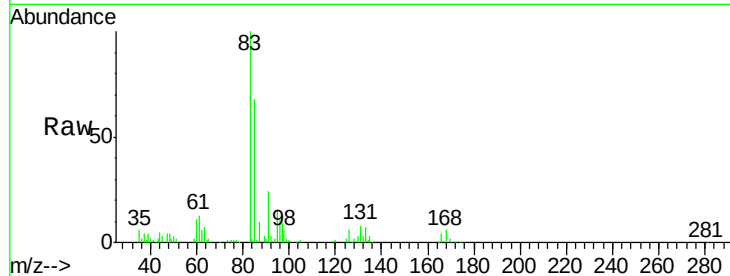
ClientSampleId :

VF0121SBS01

Tot Ion:	83	Resp:	42811
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.0	12.2
85	68.0	32.7	98.1

Manual Integrations
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1/22/2019 2:50:17 PM



#76

1,2,3-Trichloropropane

Concen: 19.320 ug/l

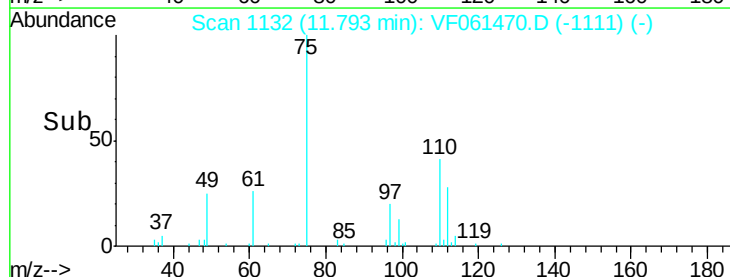
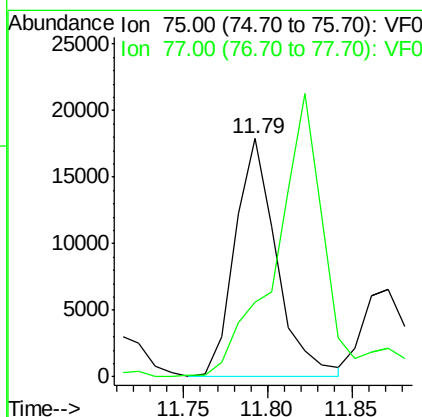
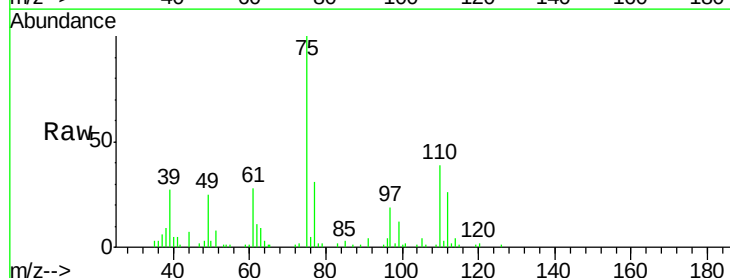
RT: 11.79 min Scan# 1132

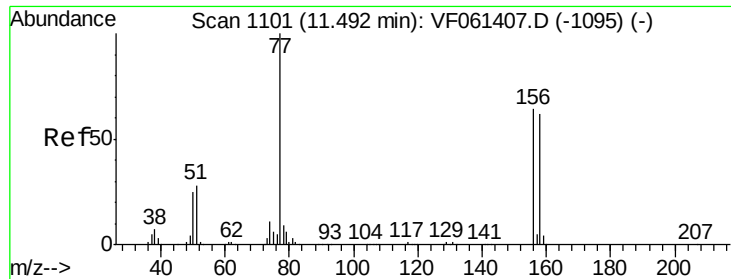
Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Tgt Ion:	75	Resp:	30680
Ion Ratio	Lower	Upper	
75	100		
77	31.5	16.1	48.3





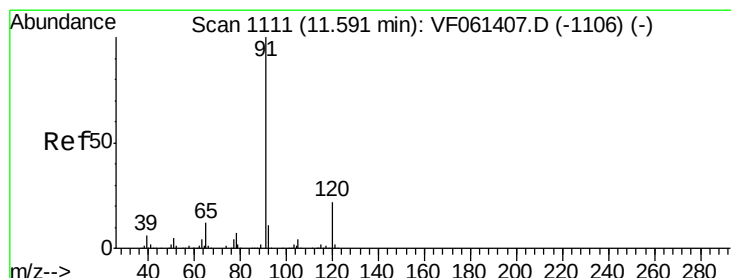
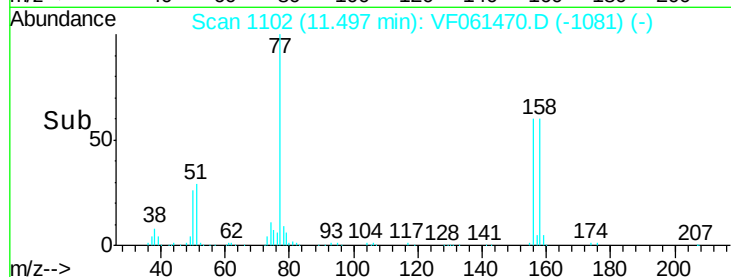
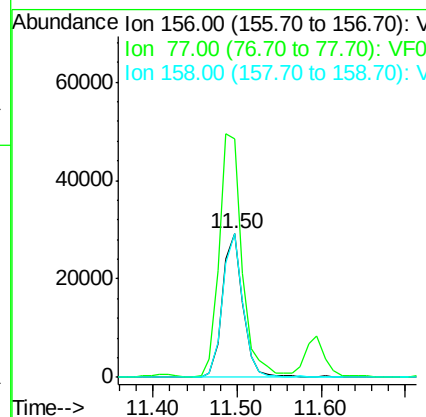
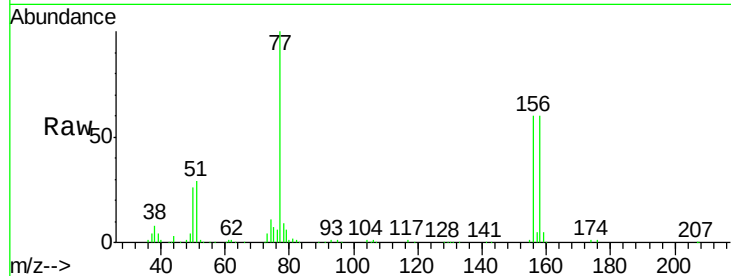
#77
Bromobenzene
Concen: 18.854 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.2	78.3	234.9
158	100.3	48.9	146.7

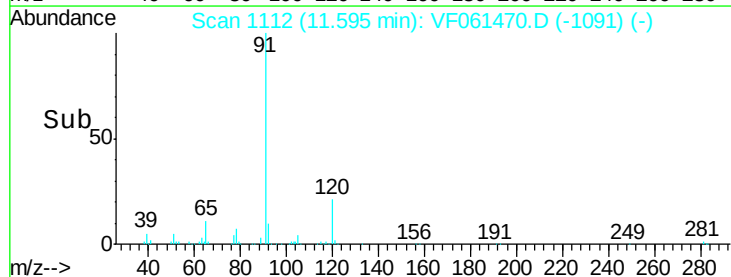
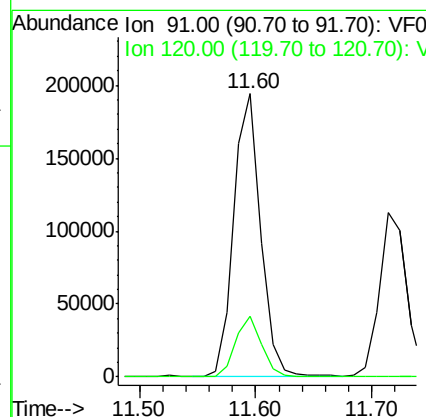
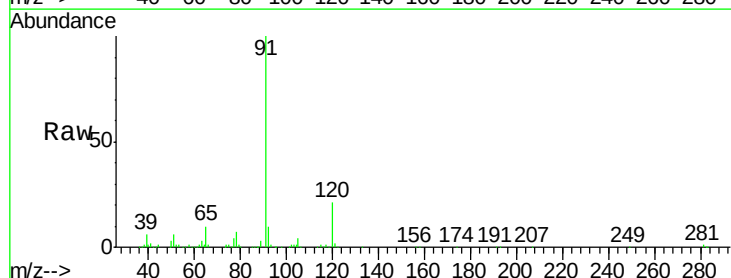
Manual Integrations
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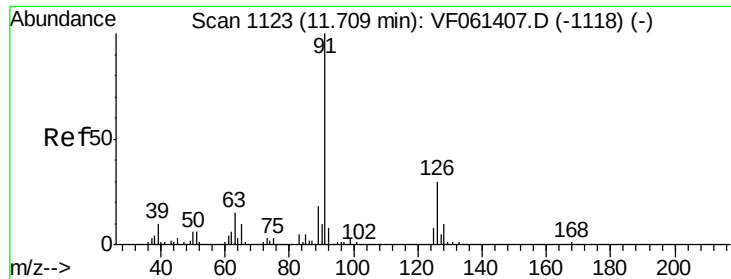
MMDadoda
1/22/2019 2:50:17 PM



#78
n-propylbenzene
Concen: 19.262 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.9	32.6





#79

2-Chlorotoluene

Concen: 21.003 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061470.D

Acq: 21 Jan 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion: 91 Resp: 180777

Ion Ratio Lower Upper

91 100

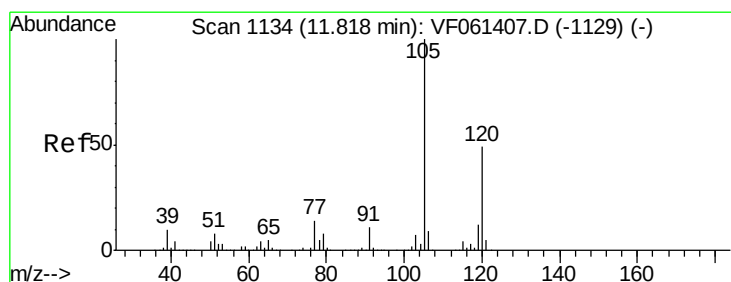
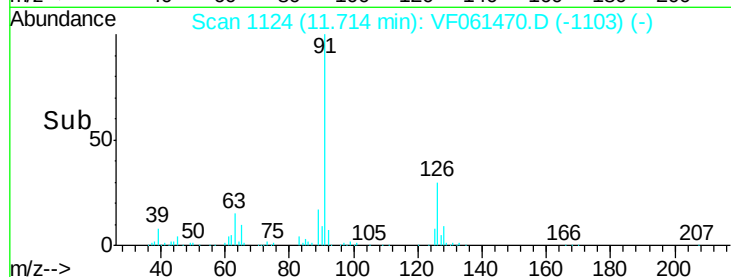
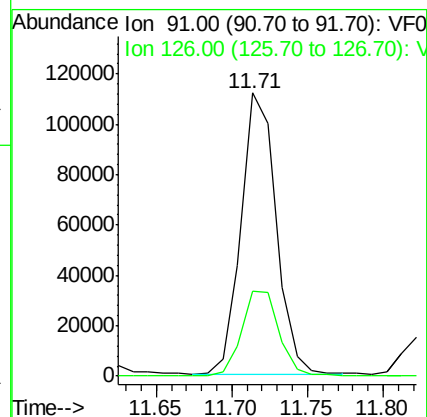
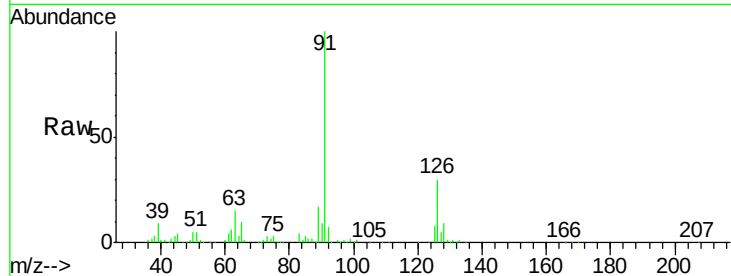
126 29.8 15.0 45.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.722 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061470.D

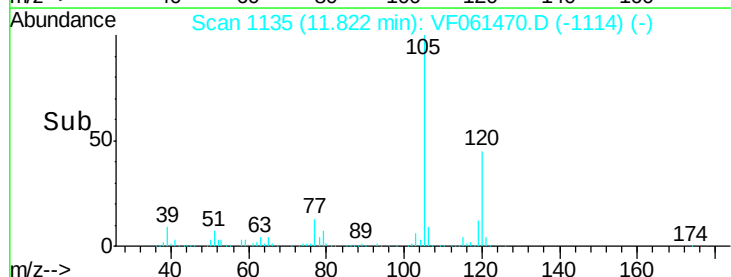
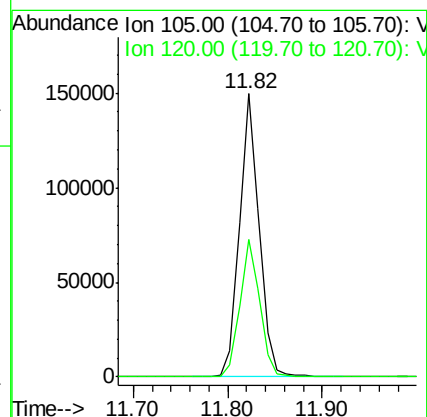
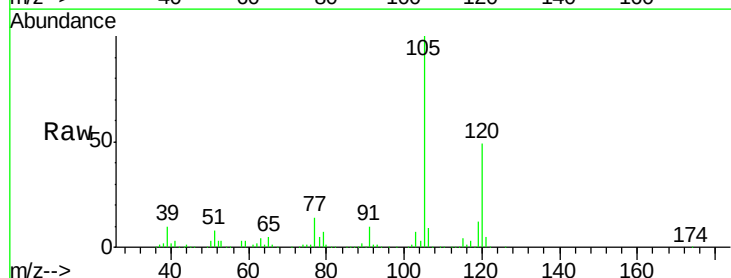
Acq: 21 Jan 2019 13:33

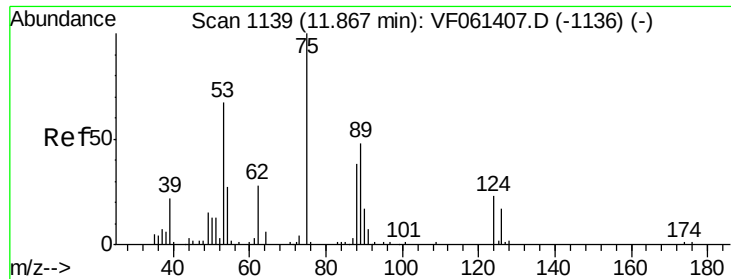
Tgt Ion: 105 Resp: 217464

Ion Ratio Lower Upper

105 100

120 48.7 24.7 74.1





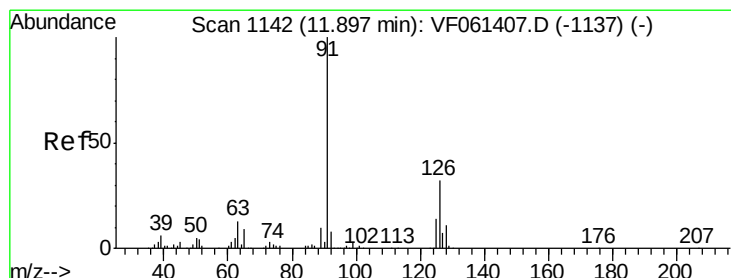
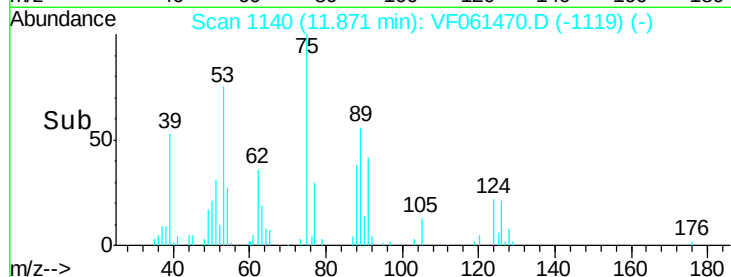
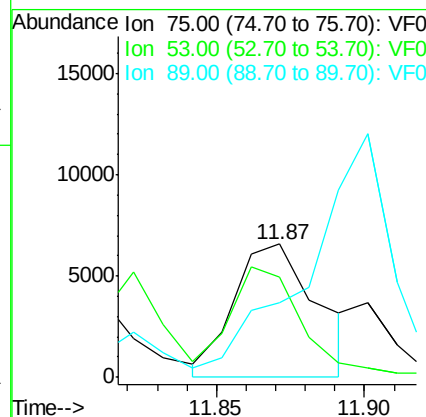
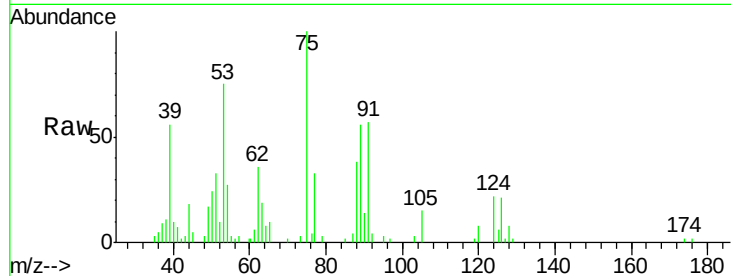
#81
trans-1,4-Dichloro-2-butene
Concen: 18.718 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampled :
VF0121SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.7	57.8	86.6
89	55.6	40.7	61.1

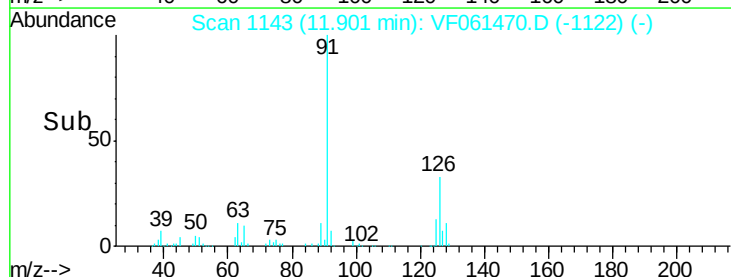
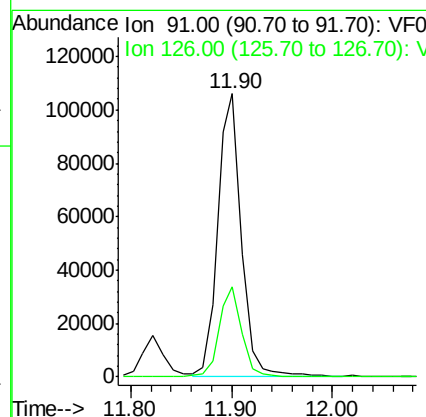
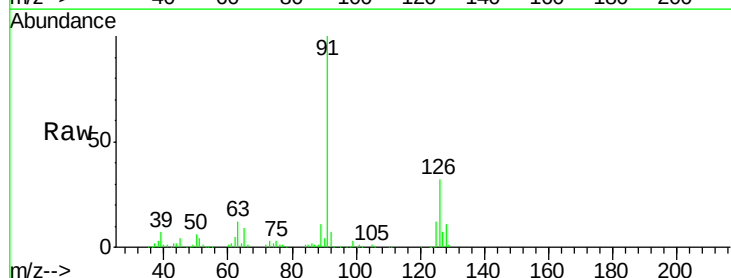
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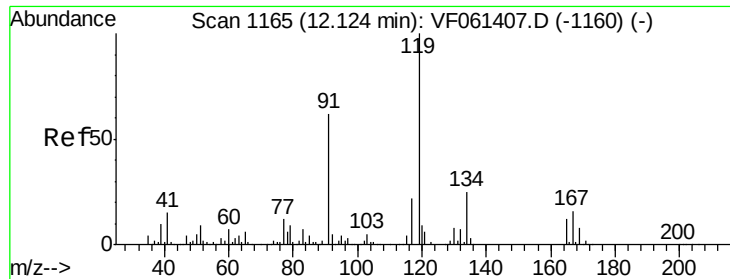
MMDadoda
1/22/2019 2:50:17 PM



#82
4-Chlorotoluene
Concen: 19.684 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





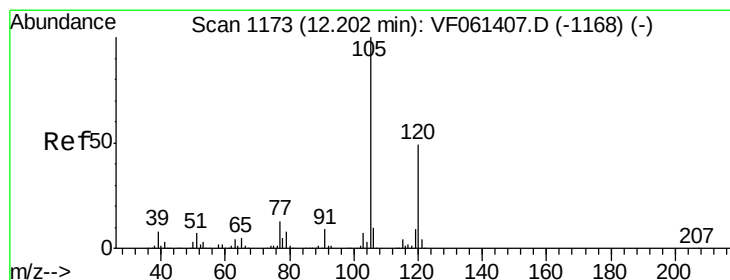
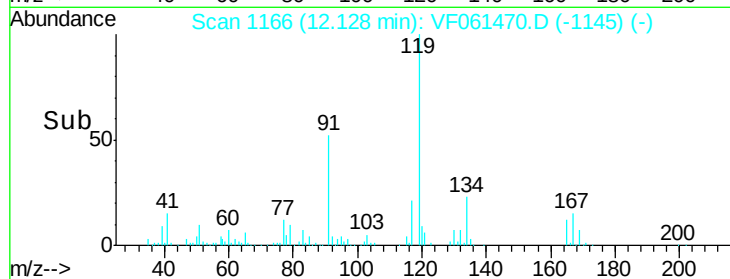
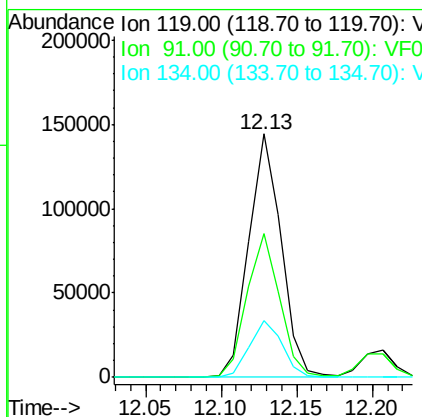
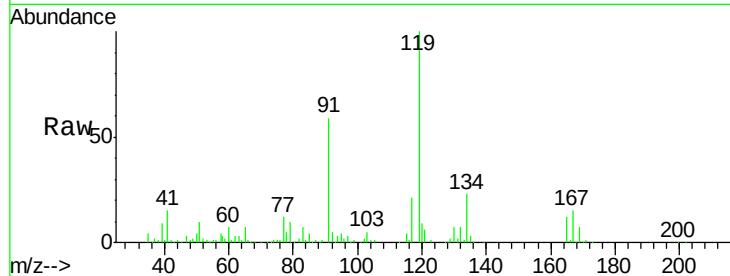
#83
 tert-Butylbenzene
 Concen: 20.974 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217329		
91	59.2		31.3	93.8
134	23.2		12.4	37.0

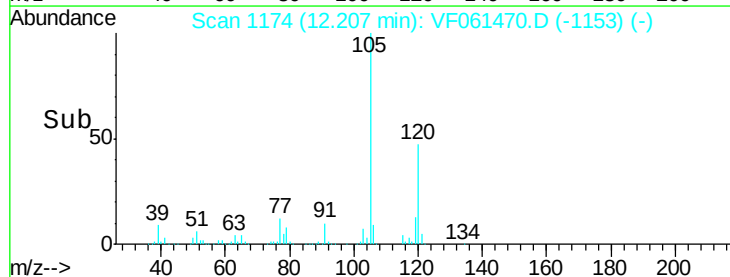
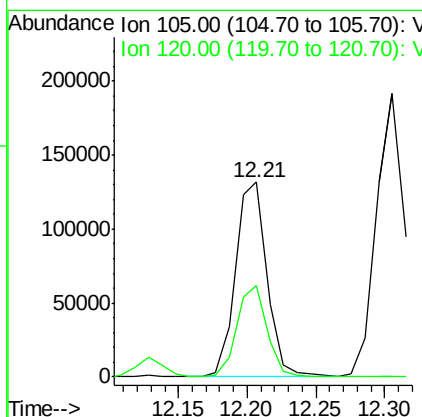
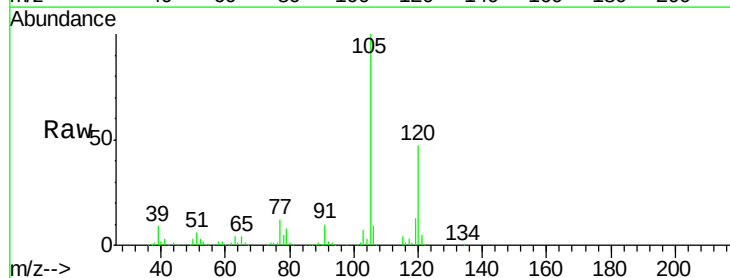
Manual Integrations
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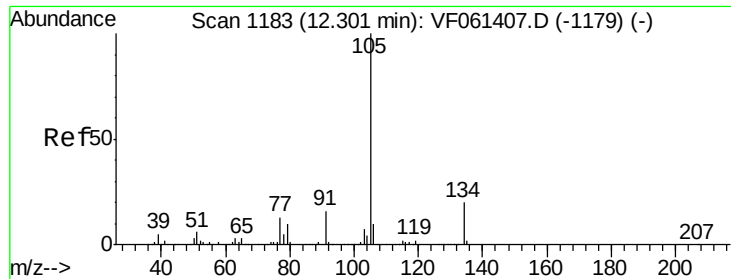
MMDadoda
 1/22/2019 2:50:17 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.353 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209884		
120	46.8		24.9	74.6





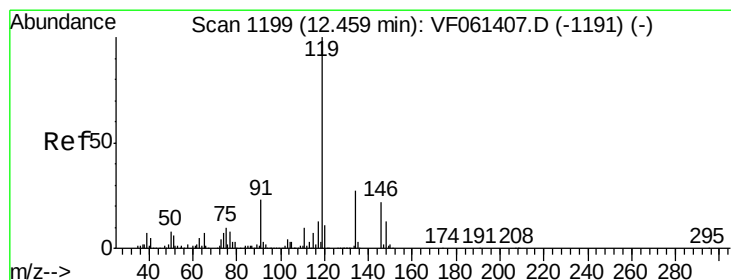
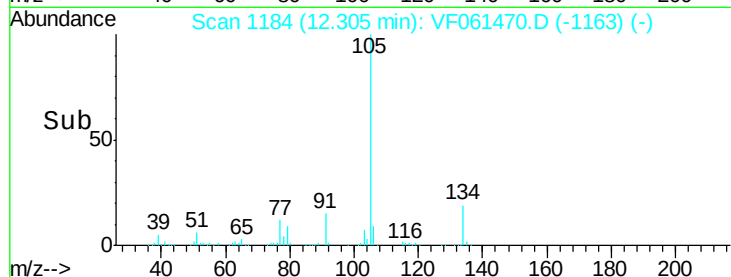
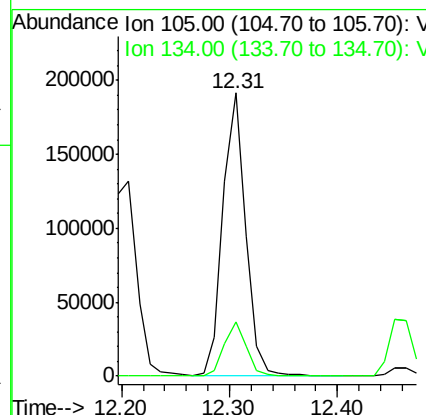
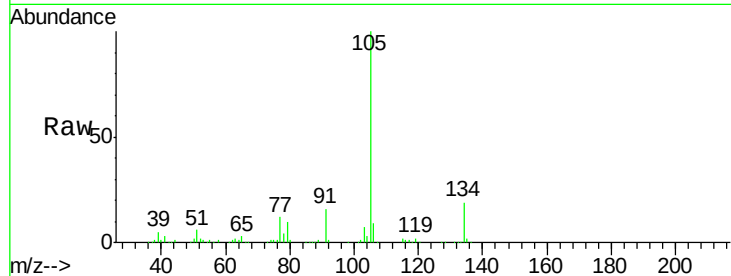
#85
 sec-Butylbenzene
 Concen: 19.864 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	279518		
134	19.2	10.0	30.0	

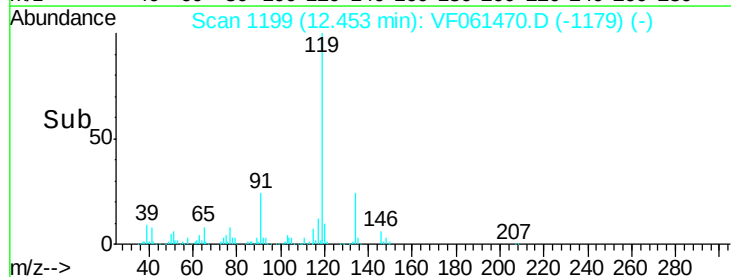
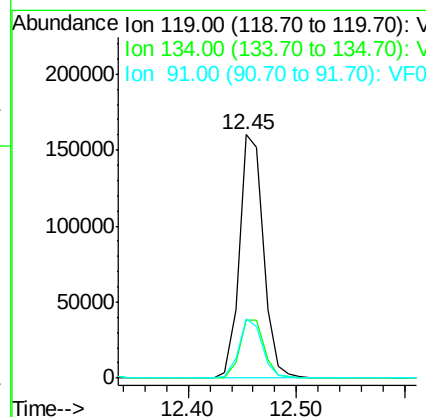
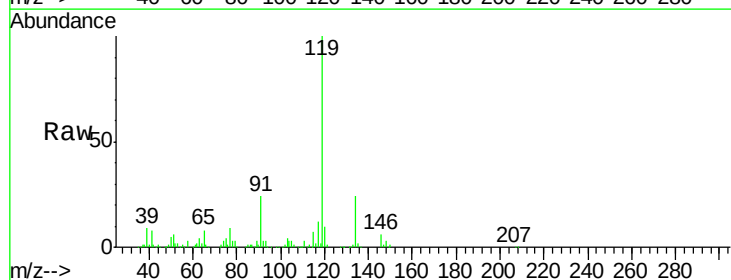
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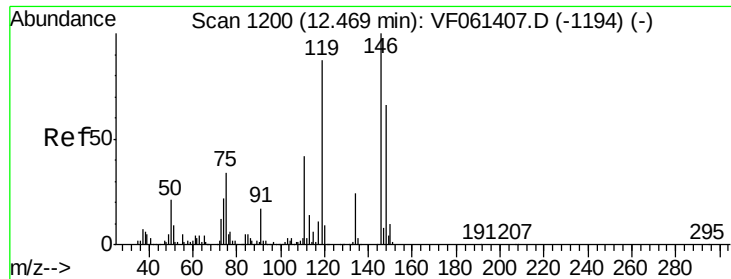
MMDadoda
 1/22/2019 2:50:17 PM



#86
 p-Isopropyltoluene
 Concen: 21.498 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	248336		
134	24.0	13.4	40.2	
91	24.4	11.4	34.2	





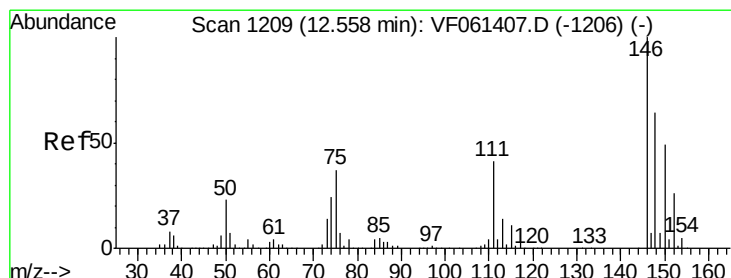
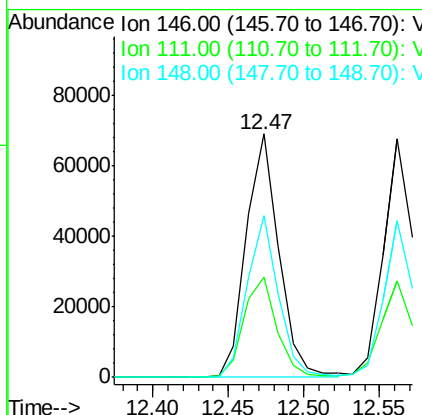
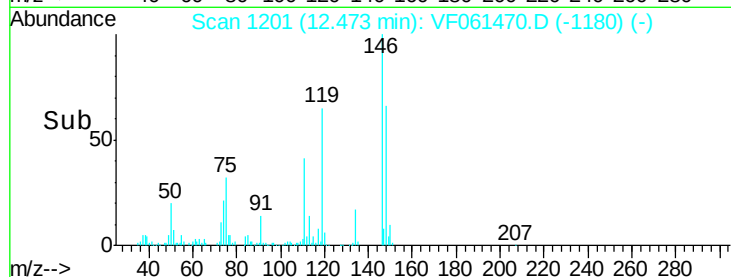
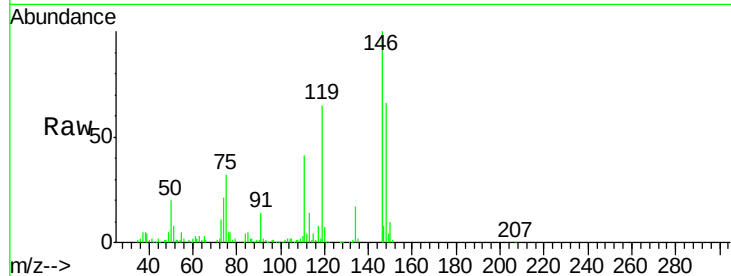
#87
 1,3-Dichlorobenzene
 Concen: 19.058 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.4
148	66.3	32.9	98.6

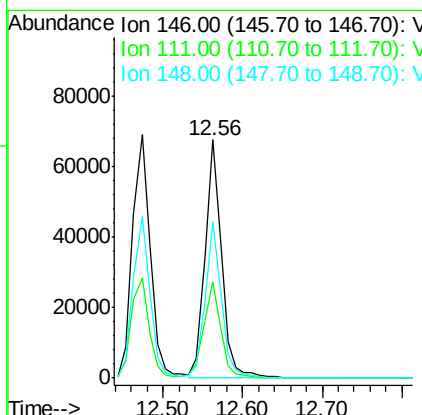
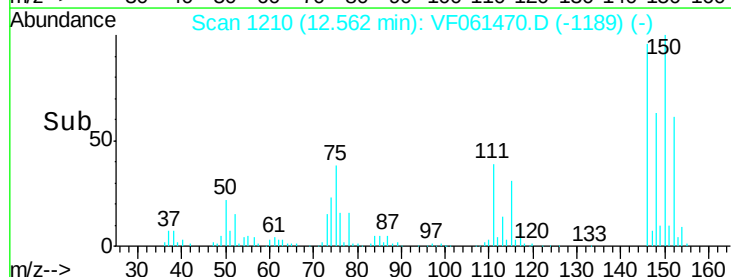
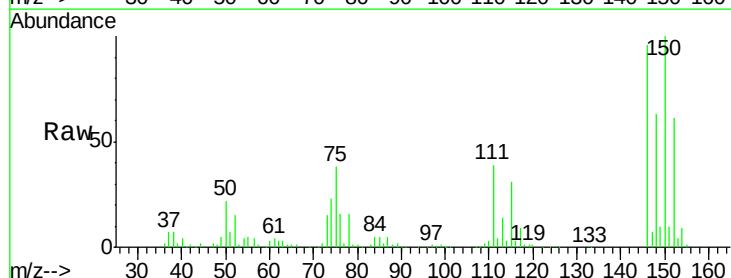
Manual Integrations
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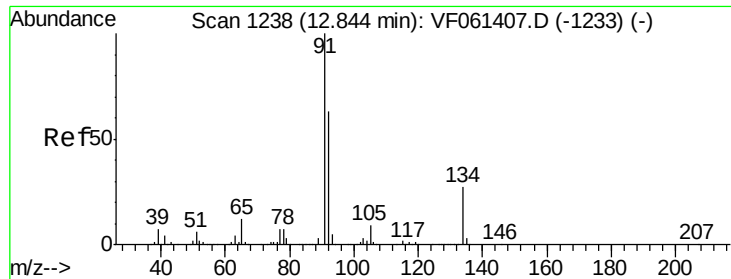
MMDadoda
 1/22/2019 2:50:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.873 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.8	62.2
148	65.7	32.1	96.5





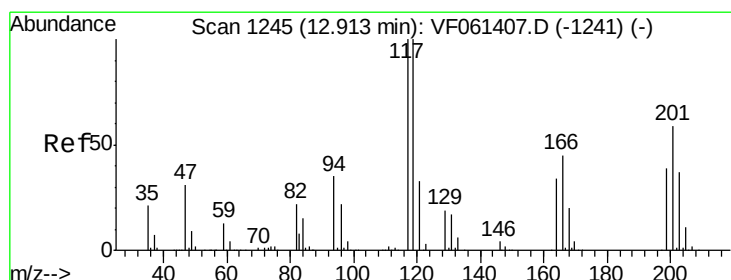
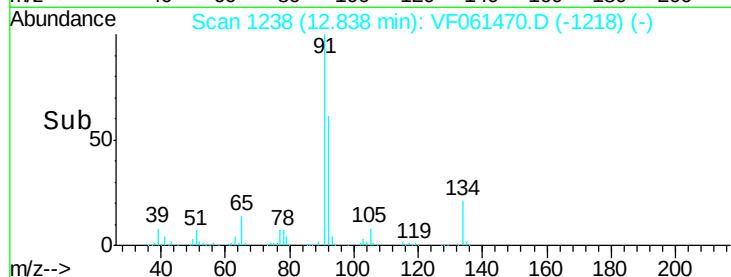
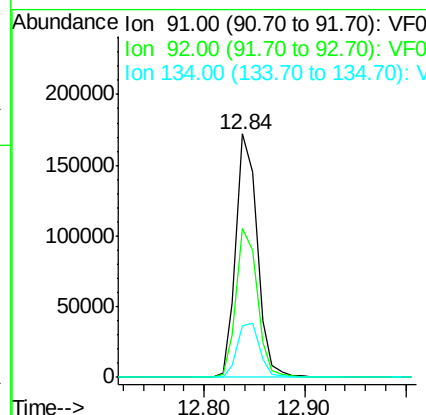
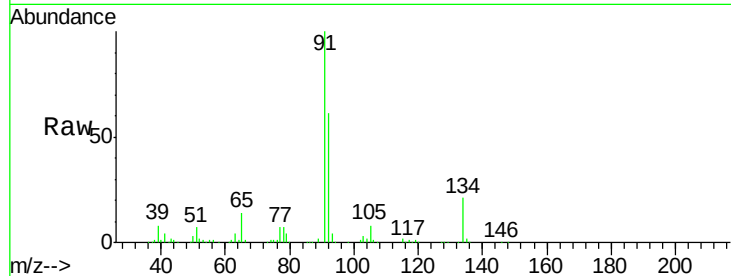
#89
n-Butylbenzene
Concen: 21.238 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		253013		
92	61.0	31.6		94.7	
134	21.2	13.6		40.8	

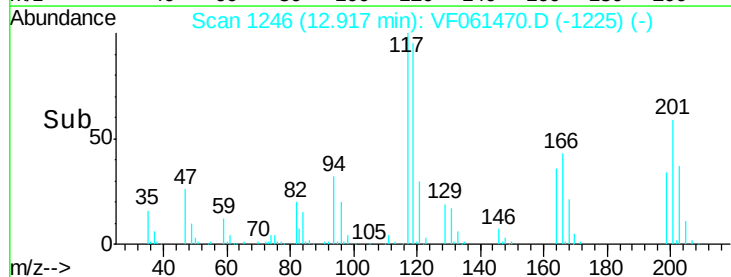
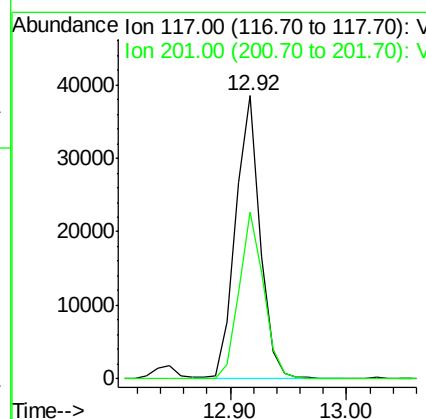
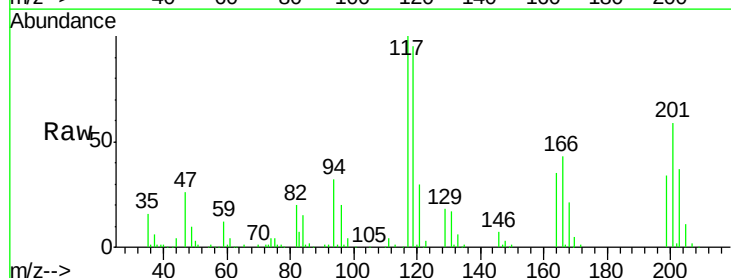
Manual Integrations
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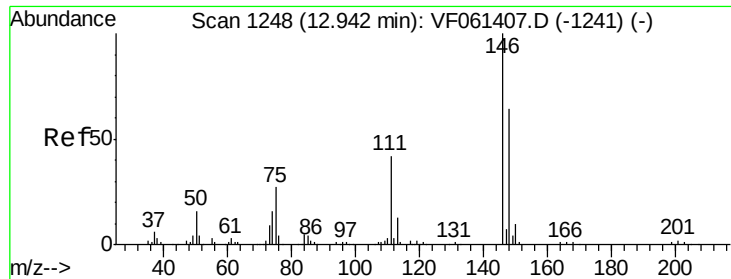
MMDadoda
1/22/2019 2:50:17 PM



#90
Hexachloroethane
Concen: 20.701 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		56368		
201	58.9	29.3		87.8	





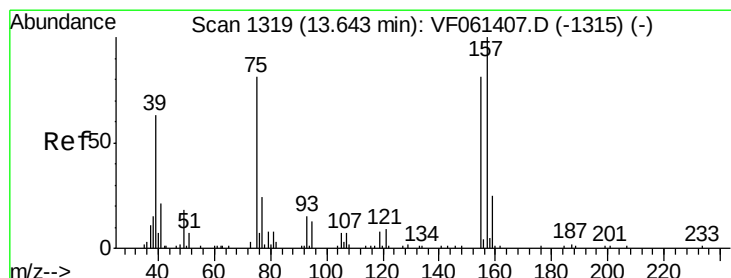
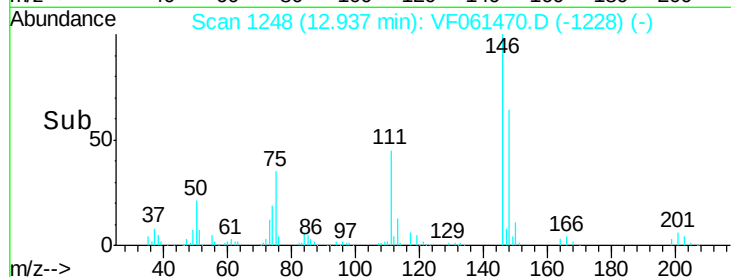
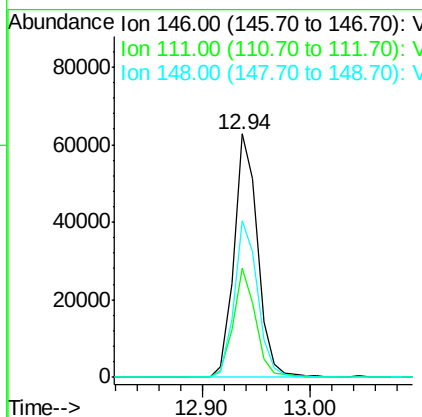
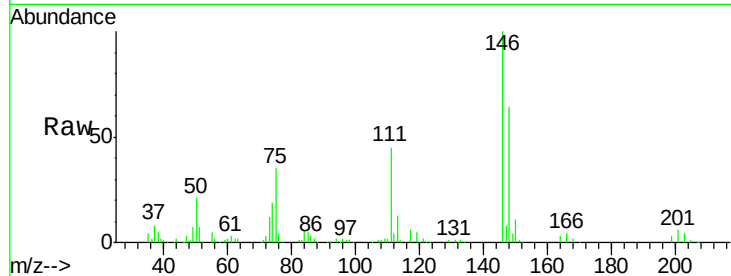
#91
 1,2-Dichlorobenzene
 Concen: 19.512 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.1	63.3
148	64.3	31.9	95.7

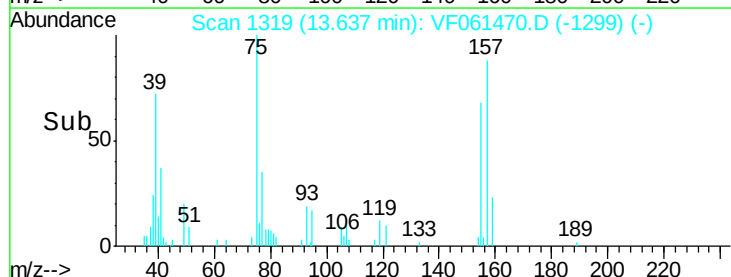
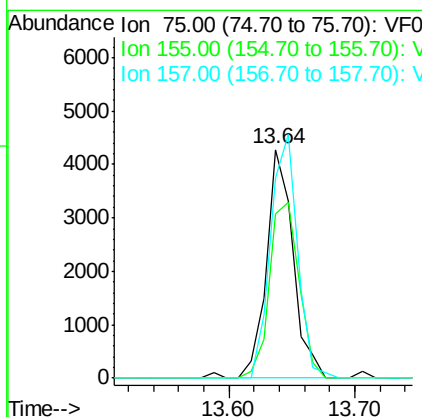
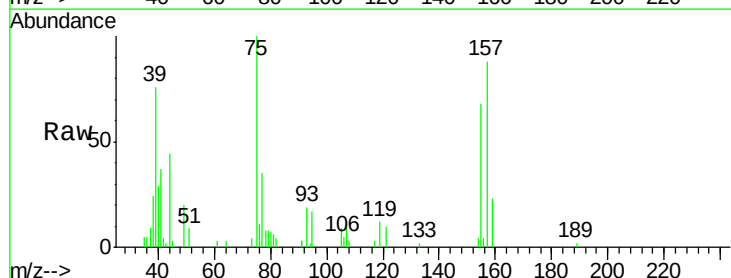
Manual Integrations
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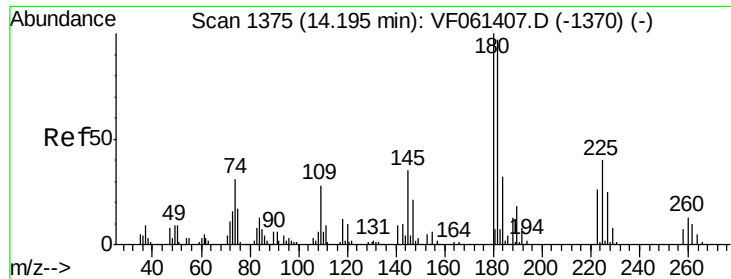
MMDadoda
 1/22/2019 2:50:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.182 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	49.7	149.1
157	87.7	61.4	184.1





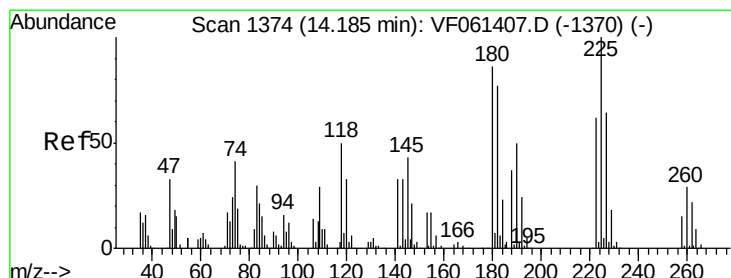
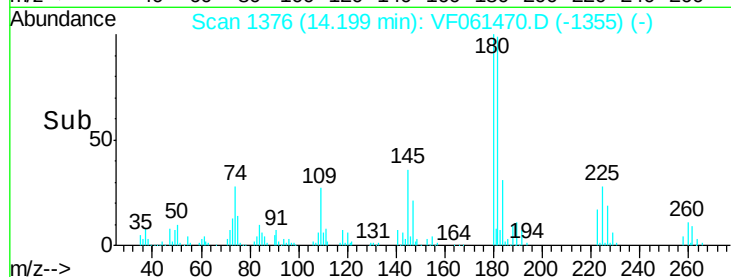
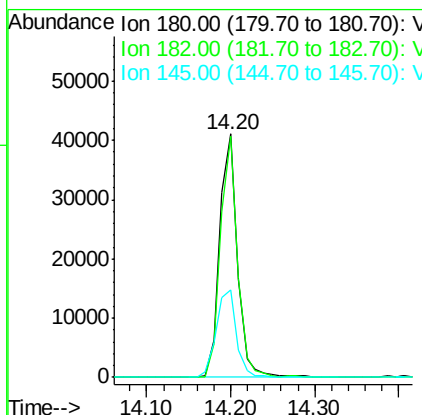
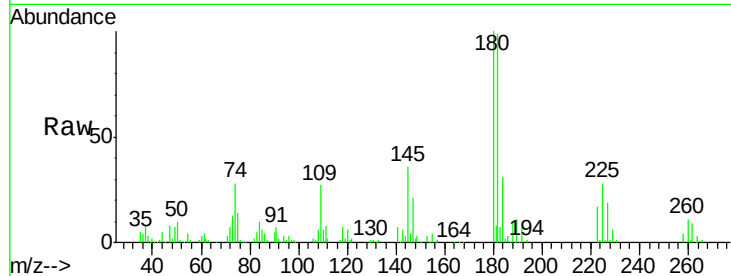
#93
 1,2,4-Trichlorobenzene
 Concen: 17.618 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60488		
182	99.1	48.5	145.6	
145	35.9	17.5	52.6	

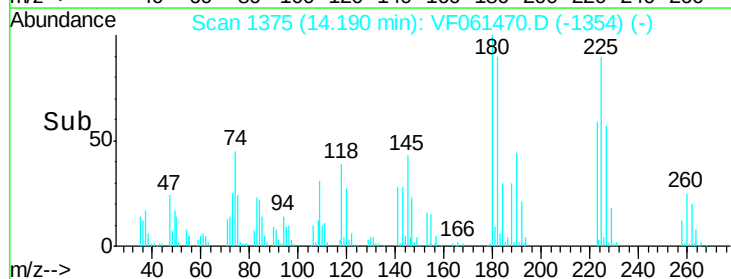
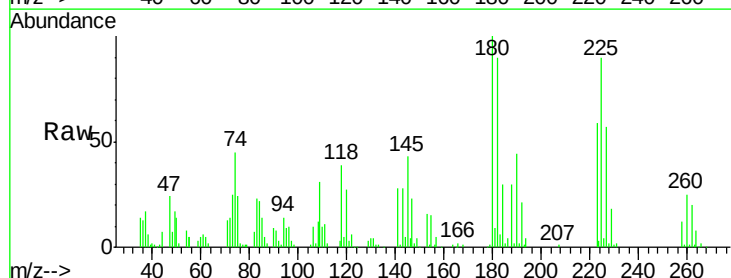
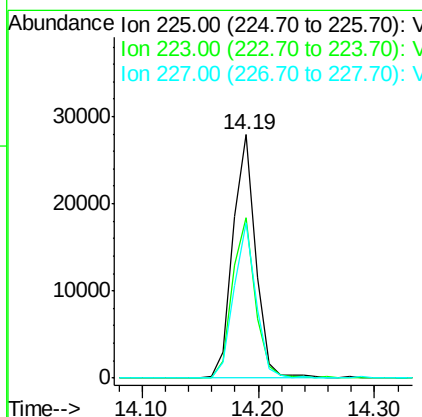
Manual Integrations
 APPROVED

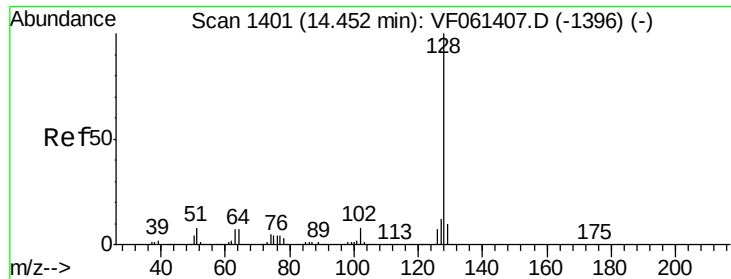
MMDadoda
 1/22/2019 2:50:17 PM



#94
 Hexachlorobutadiene
 Concen: 17.771 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061470.D
 Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37860		
223	65.7	31.1	93.2	
227	63.6	32.2	96.6	





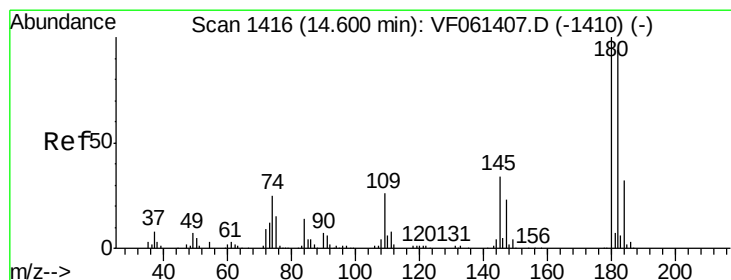
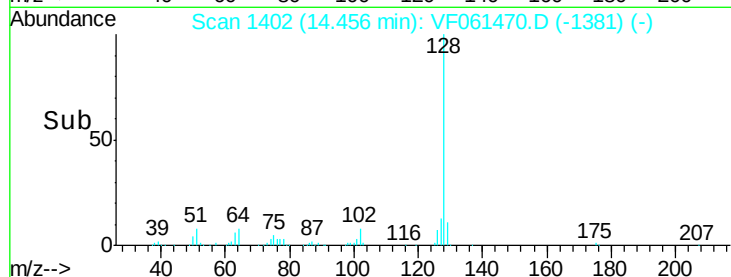
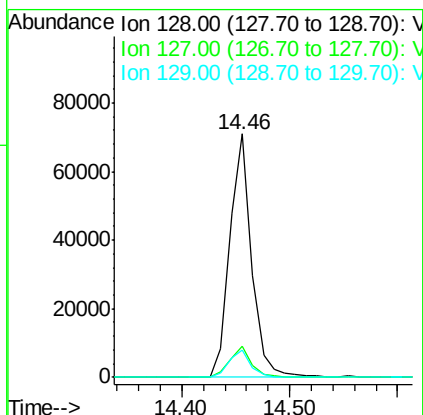
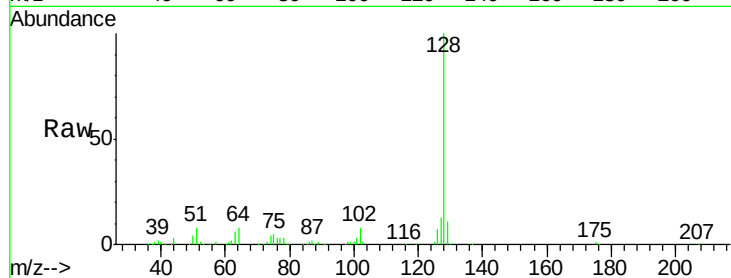
#95
Naphthalene
Concen: 15.410 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.5	14.3
129	11.1	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/22/2019 2:50:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.909 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061470.D
Acq: 21 Jan 2019 13:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.0	141.2
145	31.0	17.1	51.2

