

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061552.D
 Acq On : 7 Feb 2019 18:39
 Operator : VA/AP
 Sample : K1404-03MS
 Misc : 5.33q/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MS

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:36:27 PM

Quant Time: Feb 09 04:59:22 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	157673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	294337	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	258320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	128700	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	94505	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.10%	
35) Dibromofluoromethane	4.12	113	104836	45.14	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.28%	
50) Toluene-d8	7.55	98	284619	44.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.46%	
62) 4-Bromofluorobenzene	11.41	95	122503	41.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	139400	44.996	ug/l	91
3) Chloromethane	1.10	50	96621	42.534	ug/l #	87
4) Vinyl Chloride	1.14	62	95218	47.121	ug/l	99
5) Bromomethane	1.33	94	67005	50.850	ug/l	97
6) Chloroethane	1.39	64	44296	49.471	ug/l	99
7) Trichlorofluoromethane	1.48	101	182880	46.554	ug/l	93
8) Diethyl Ether	1.63	74	28153	55.931	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	86355	45.750	ug/l	97
10) Methyl Iodide	1.91	142	146306m	49.998	ug/l	
11) Tert butyl alcohol	2.57	59	23341	283.267	ug/l	98
12) 1,1-Dichloroethene	1.79	96	68907	49.137	ug/l	95
13) Acrolein	2.00	56	12053	173.138	ug/l	96
14) Allyl chloride	2.10	41	102059	65.667	ug/l	93
15) Acrylonitrile	2.94	53	59447	281.652	ug/l	92
16) Acetone	2.23	43	105362	269.795	ug/l	96
17) Carbon Disulfide	1.82	76	203707	46.587	ug/l	98
18) Methyl Acetate	2.34	43	53873	69.561	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	167201	53.187	ug/l	96
20) Methylene Chloride	2.18	84	76747m	58.181	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	72800	47.184	ug/l	93
22) Diisopropyl ether	2.80	45	267428	53.588	ug/l	98
23) Vinyl Acetate	3.18	43	515850	235.198	ug/l	99
24) 1,1-Dichloroethane	2.87	63	158838	50.712	ug/l	97
25) 2-Butanone	4.33	43	179191	275.921	ug/l	100
26) 2,2-Dichloropropane	3.60	77	91815	47.712	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	110379	48.464	ug/l	94
28) Bromochloromethane	3.71	49	71928	51.088	ug/l #	99
29) Tetrahydrofuran	4.07	42	77758	278.065	ug/l	96
30) Chloroform	3.85	83	206427	48.835	ug/l	99
31) Cyclohexane	3.69	56	146314m	46.765	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	141681	45.712	ug/l	94
36) 1,1-Dichloropropene	4.28	75	156224	45.777	ug/l	97
37) Ethyl Acetate	4.11	43	70464	51.654	ug/l #	86
38) Carbon Tetrachloride	3.98	117	128862	43.191	ug/l	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	145800	39.423	ug/l	99
40) Benzene	4.63	78	334264	44.018	ug/l	99
41) Methacrylonitrile	4.74	41	38539	53.093	ug/l	91
42) 1,2-Dichloroethane	4.94	62	135256	49.984	ug/l	96
43) Isopropyl Acetate	6.96	43	87397	51.046	ug/l #	84
44) Trichloroethene	5.51	130	103468	44.416	ug/l	94
45) 1,2-Dichloropropane	6.23	63	91676	45.998	ug/l	99
46) Dibromomethane	6.08	93	67174	50.688	ug/l	97
47) Bromodichloromethane	6.39	83	161294	49.192	ug/l	99
48) Methyl methacrylate	6.71	41	60989	53.048	ug/l	97
49) 1,4-Dioxane	6.70	88	8494	1062.754	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	323868	257.308	ug/l	98
52) Toluene	7.62	92	213989	42.791	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	121416	46.633	ug/l	93
54) cis-1,3-Dichloropropene	7.30	75	167983	51.616	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	73611	51.836	ug/l	98
56) Ethyl methacrylate	8.62	69	82893	50.172	ug/l #	81
57) 1,3-Dichloropropane	8.85	76	132117	49.635	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	55696	313.610	ug/l	97
59) 2-Hexanone	9.48	43	231467	263.719	ug/l	97
60) Dibromochloromethane	8.72	129	103588	49.896	ug/l	99
61) 1,2-Dibromoethane	8.98	107	78908	48.538	ug/l	91
64) Tetrachloroethene	8.15	164	90284	46.476	ug/l	97
65) Chlorobenzene	9.79	112	245637	46.760	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	105828	50.571	ug/l	98
67) Ethyl Benzene	9.90	91	461796	48.115	ug/l	98
68) m/p-Xylenes	10.13	106	309099	89.543	ug/l	97
69) o-Xylene	10.71	106	182633	48.815	ug/l	99
70) Styrene	10.79	104	223333	43.609	ug/l	99
71) Bromoform	10.77	173	54227	57.673	ug/l #	96
73) Isopropylbenzene	11.12	105	504139	48.163	ug/l	100
74) N-amyl acetate	11.37	43	134313	54.264	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	99018	53.100	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	69392	51.789	ug/l	98
77) Bromobenzene	11.50	156	113297	51.251	ug/l	96
78) n-propylbenzene	11.60	91	572158	44.251	ug/l	99
79) 2-Chlorotoluene	11.71	91	345769	47.609	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	394365	46.685	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	28730m	49.325	ug/l	
82) 4-Chlorotoluene	11.90	91	347943	47.476	ug/l	97
83) tert-Butylbenzene	12.13	119	411513	47.067	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	405244	46.573	ug/l	94
85) sec-Butylbenzene	12.31	105	554209	46.676	ug/l	97
86) p-Isopropyltoluene	12.45	119	462120	47.412	ug/l	95
87) 1,3-Dichlorobenzene	12.47	146	203256	45.840	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	199670	47.798	ug/l	99
89) n-Butylbenzene	12.84	91	458733	45.636	ug/l	94
90) Hexachloroethane	12.92	117	111203	48.400	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	192139	46.462	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18735	56.645	ug/l	72

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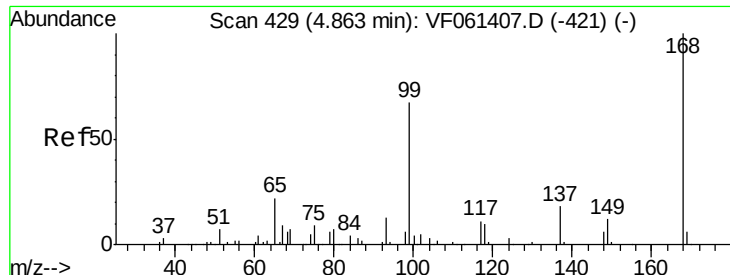
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	136263	47.037	ug/l	99
94) Hexachlorobutadiene	14.19	225	75154	41.808	ug/l	97
95) Naphthalene	14.46	128	291800	53.017	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	130716	48.744	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

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Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:168 Resp: 157673

Ion Ratio Lower Upper

168 100

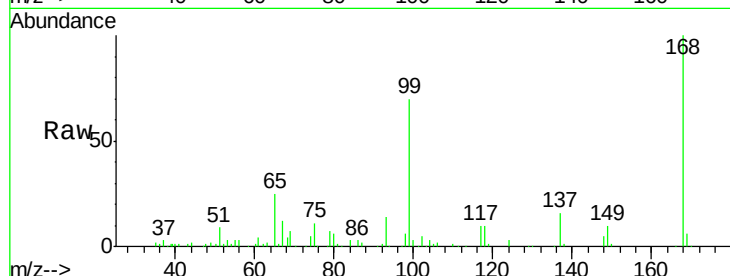
99 69.8 53.5 80.3

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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

50000

40000

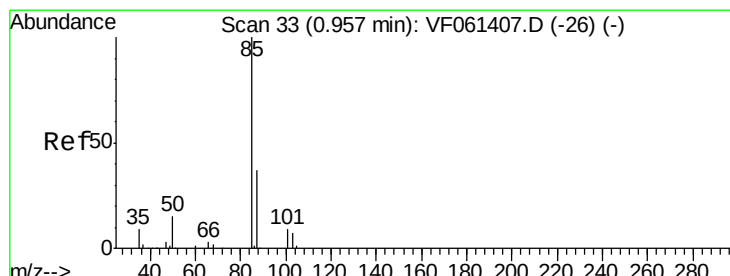
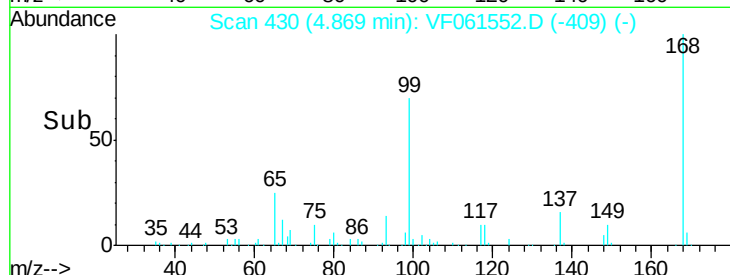
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 44.996 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061552.D

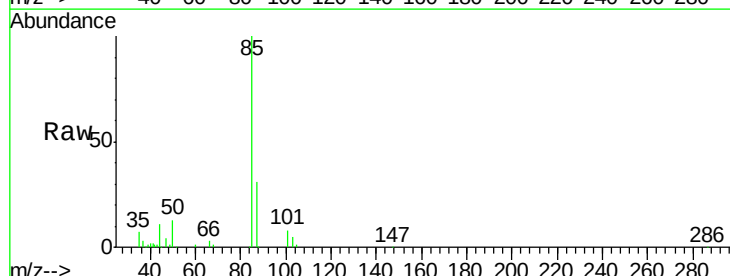
Acq: 7 Feb 2019 18:39

Tgt Ion: 85 Resp: 139400

Ion Ratio Lower Upper

85 100

87 31.3 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

40000

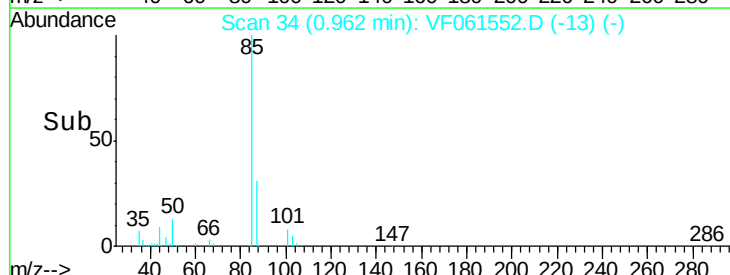
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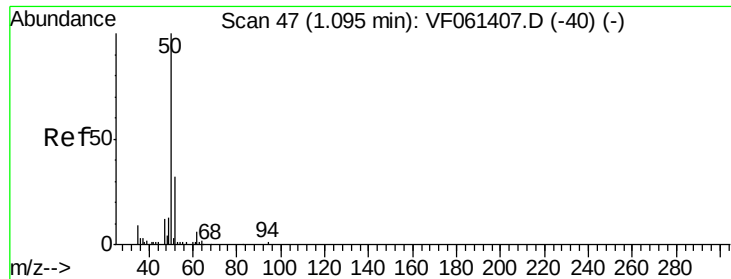
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 42.534 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 50 Resp: 96621

Ion Ratio Lower Upper

50 100

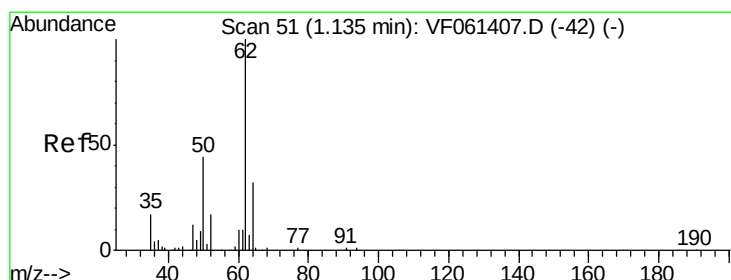
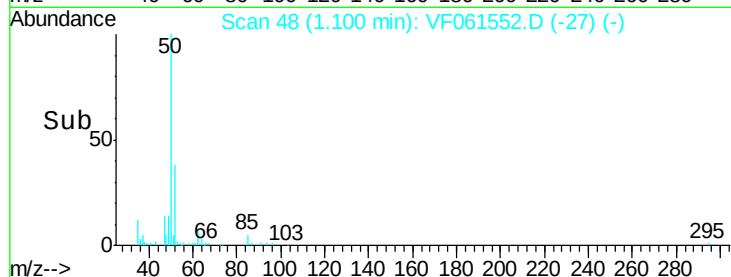
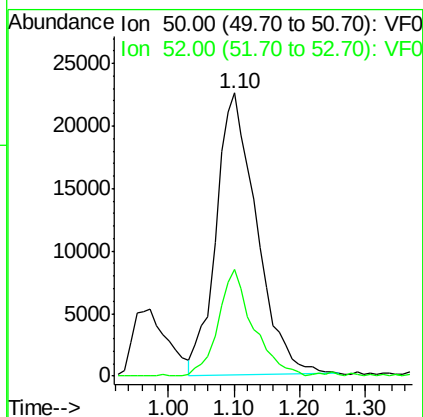
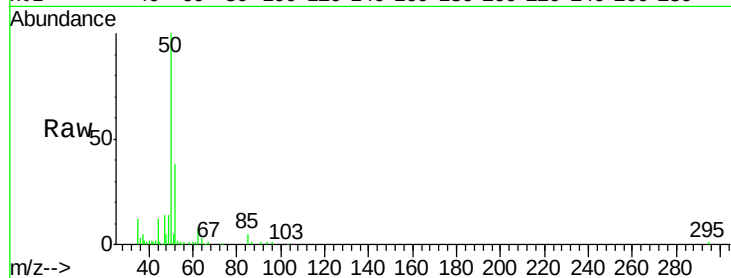
52 37.8 24.6 36.8#

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.121 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061552.D

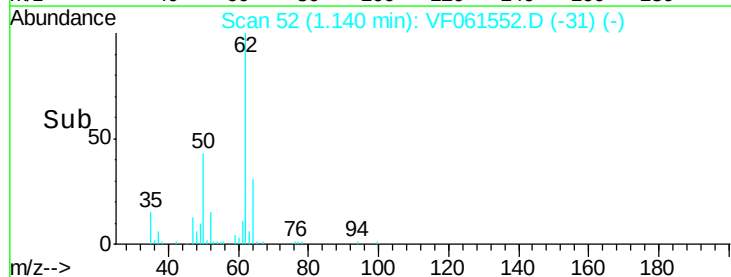
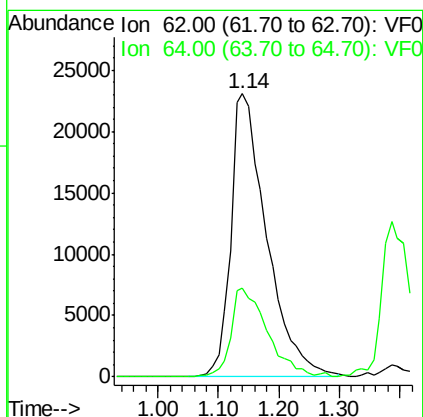
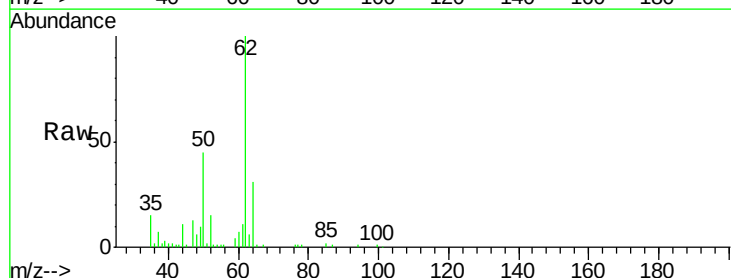
Acq: 7 Feb 2019 18:39

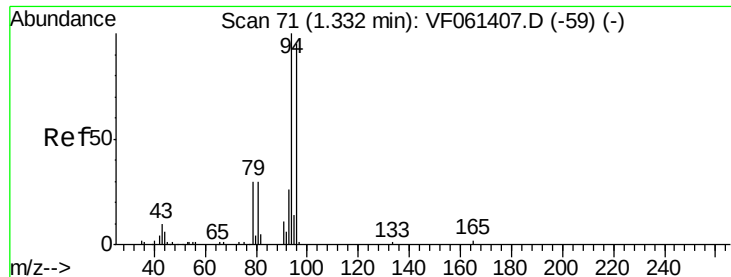
Tgt Ion: 62 Resp: 95218

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





#5

Bromomethane

Concen: 50.850 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.00 min

Lab File: VF061552.D

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A0C12-SS1-7.5-8.0MS

Tot Ion: 94 Resp: 67005

Ion Ratio Lower Upper

94 100

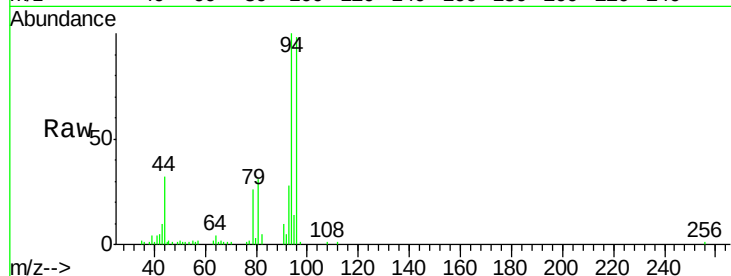
96 97.5 76.0 114.0

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

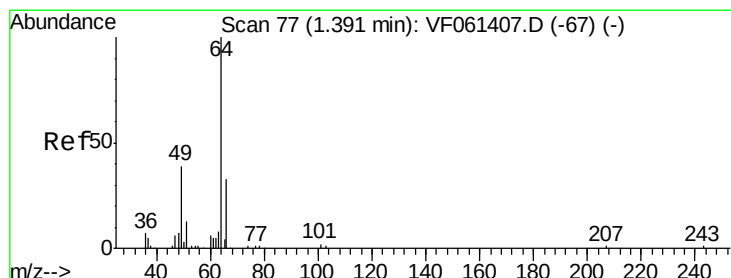
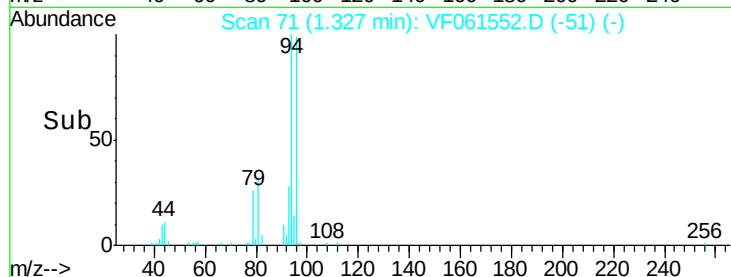
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 49.471 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061552.D

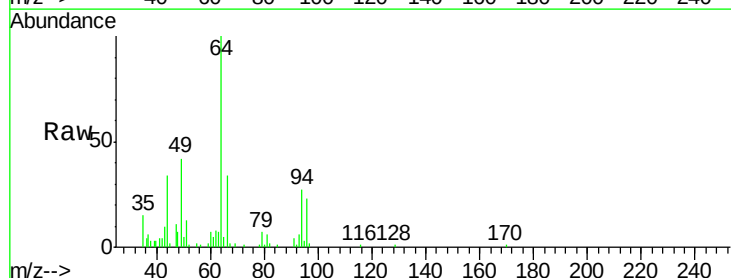
Acq: 7 Feb 2019 18:39

Tgt Ion: 64 Resp: 44296

Ion Ratio Lower Upper

64 100

66 33.7 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

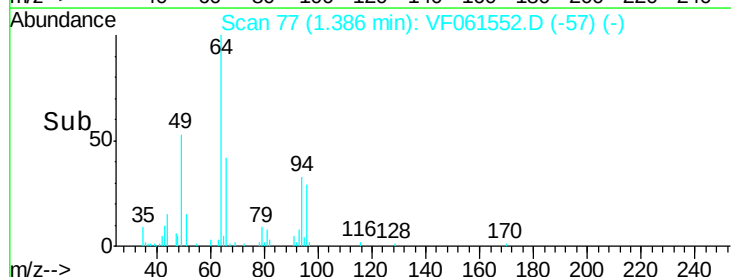
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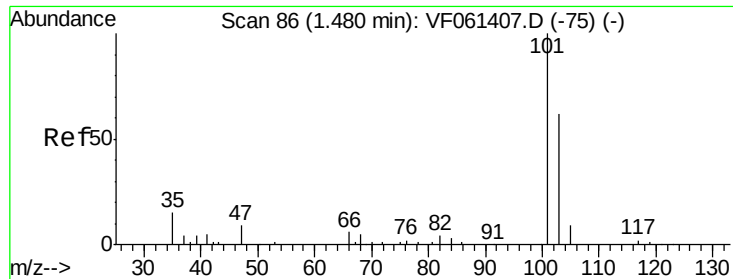
10000

5000

0

Time-->





#7

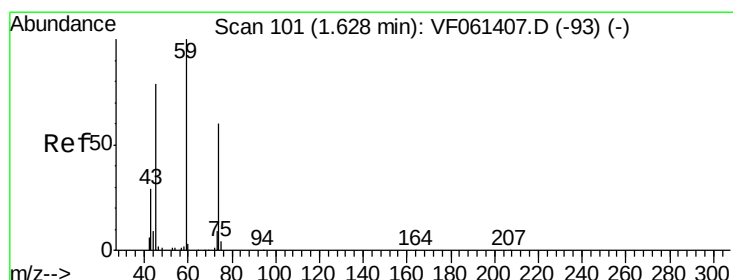
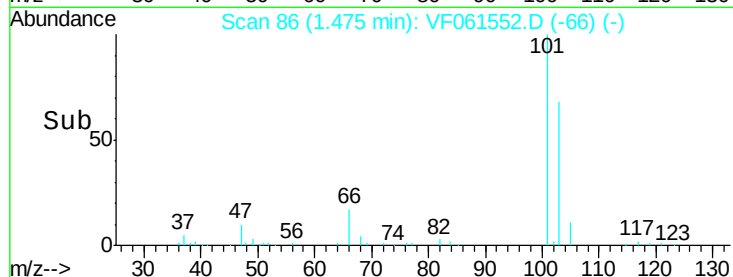
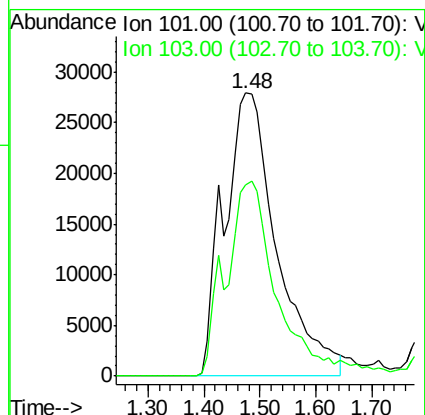
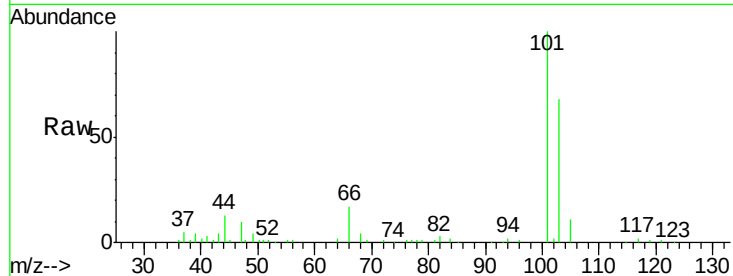
Trichlorofluoromethane
Concen: 46.554 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.00 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

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A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	49.7	74.5

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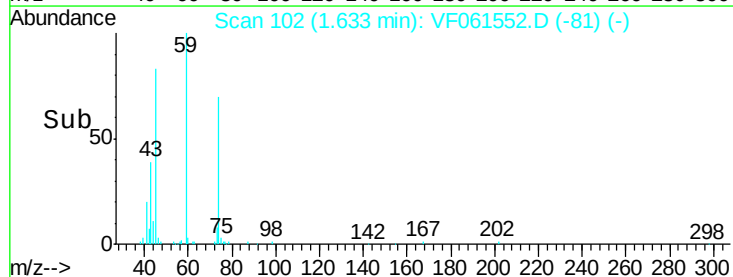
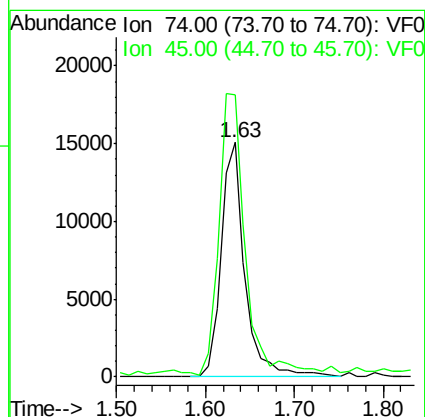
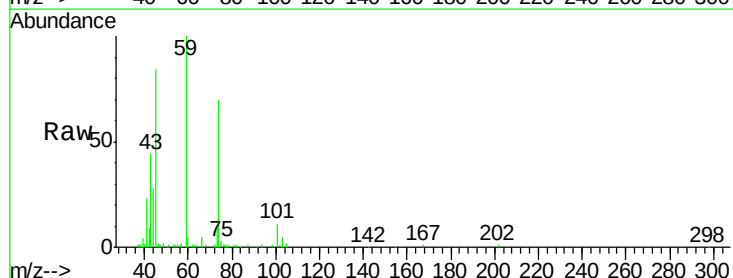
MMDadoda
2/11/2019 12:36:27 PM

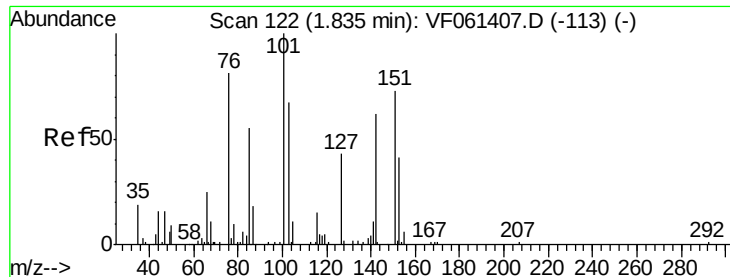


#8

Diethyl Ether
Concen: 55.931 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.5	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.750 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

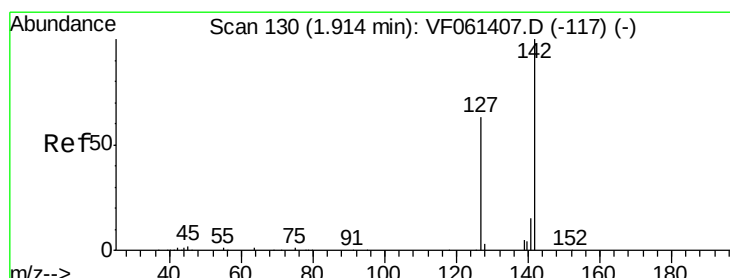
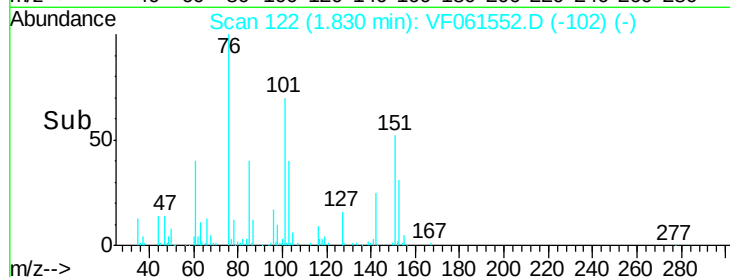
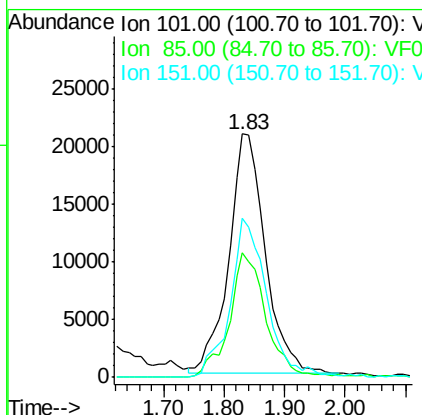
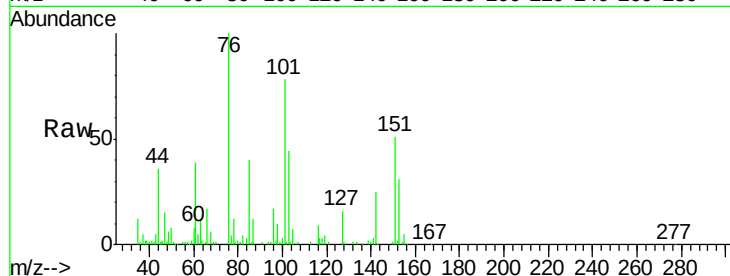
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:	101	Resp:	86355
Ion Ratio	Lower	Upper	
101	100		
85	51.1	41.9	62.9
151	65.5	55.1	82.7

Manual Integrations
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#10

Methyl Iodide

Concen: 49.998 ug/l m

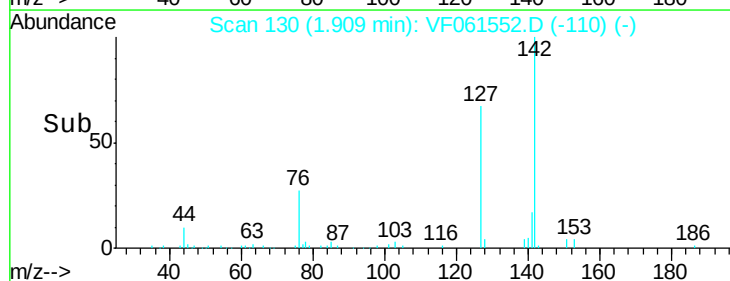
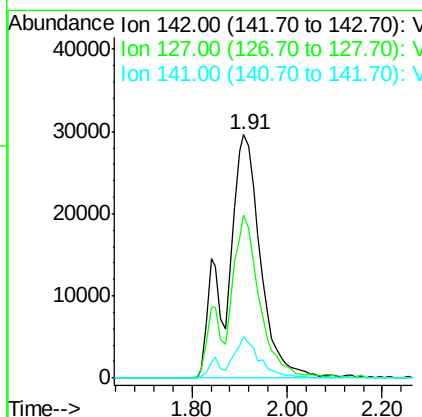
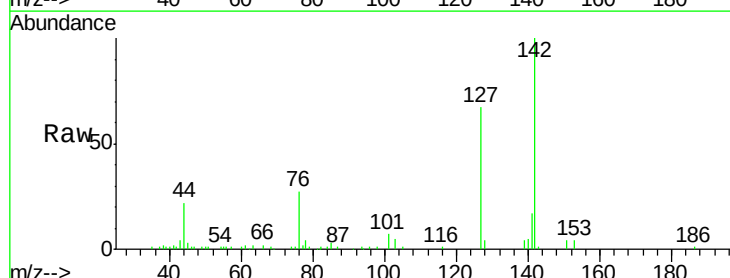
RT: 1.91 min Scan# 130

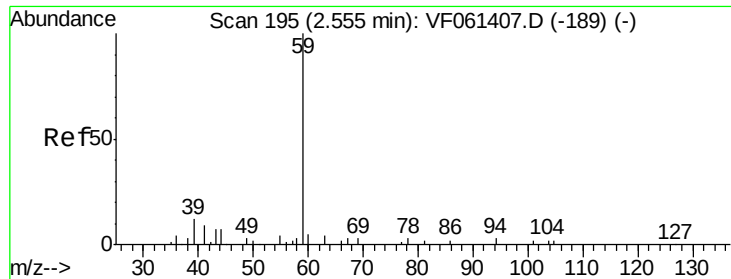
Delta R.T. -0.00 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion:	142	Resp:	146306
Ion Ratio	Lower	Upper	
142	100		
127	66.9	50.7	76.1
141	16.8	11.8	17.6





#11

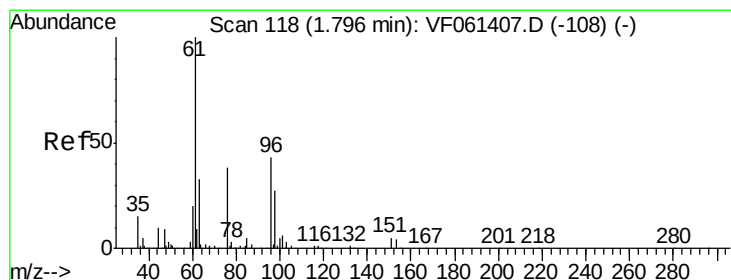
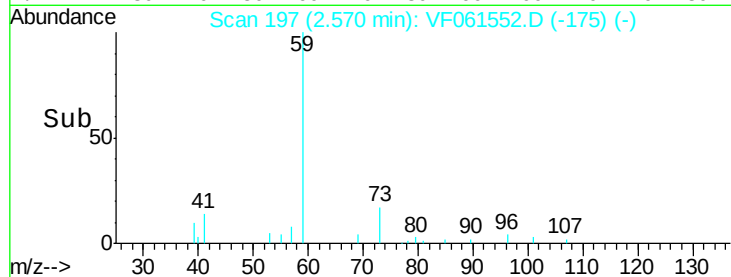
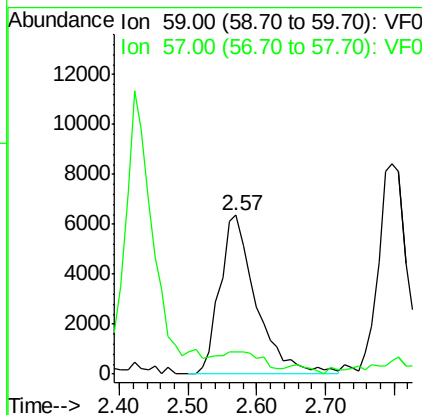
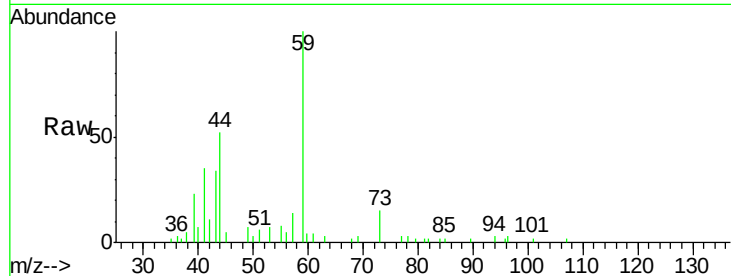
Tert butyl alcohol
Concen: 283.267 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

Tot Ion	59.00	Resp	23341
Ion Ratio	100	Lower	Upper
59	100		
57	14.2	11.9	17.9

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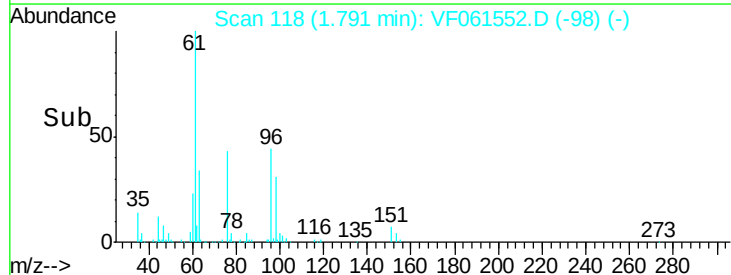
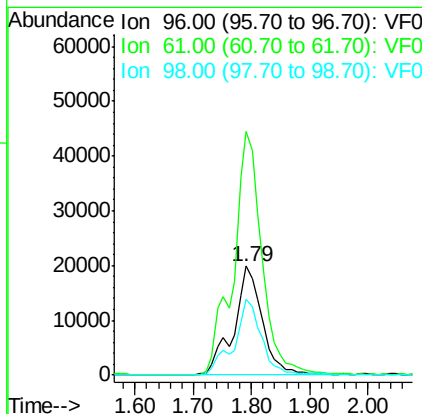
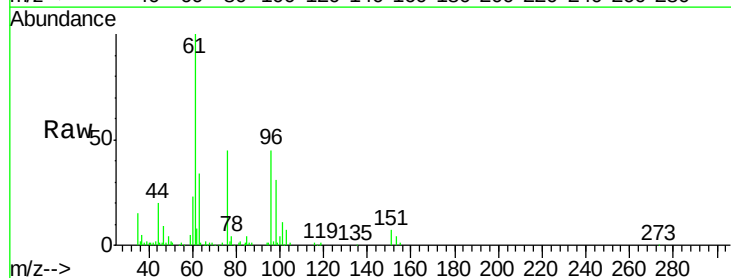
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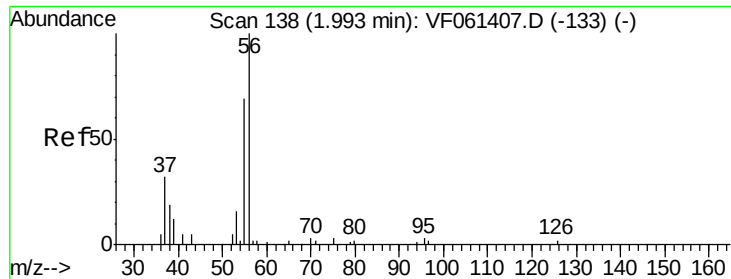


#12

1,1-Dichloroethene
Concen: 49.137 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	96.00	Resp	68907
Ion Ratio	100	Lower	Upper
96	100		
61	223.8	186.9	280.3
98	69.3	53.0	79.4





#13

Acrolein

Concen: 173.138 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 56 Resp: 12053

Ion Ratio Lower Upper

56 100

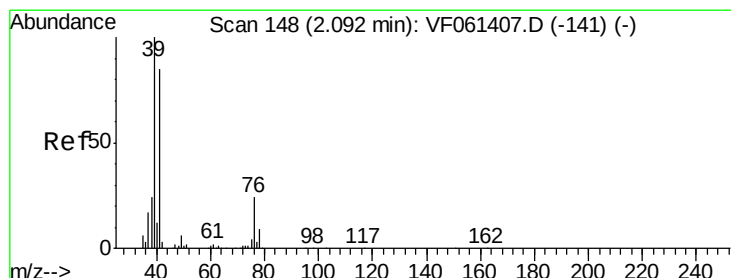
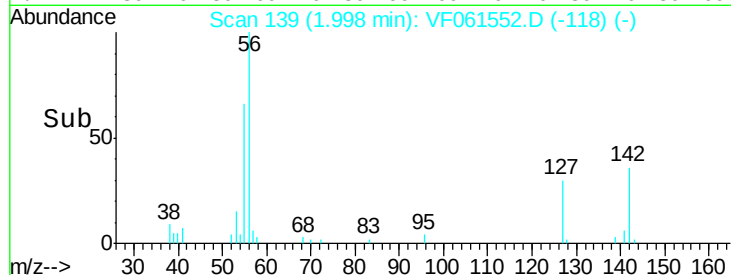
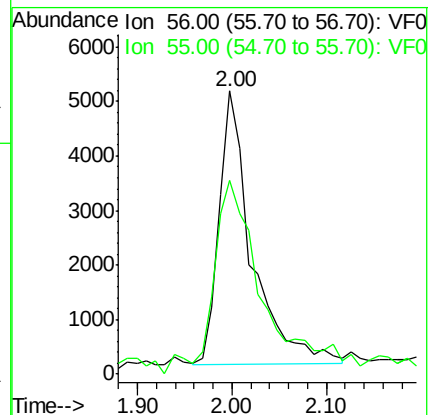
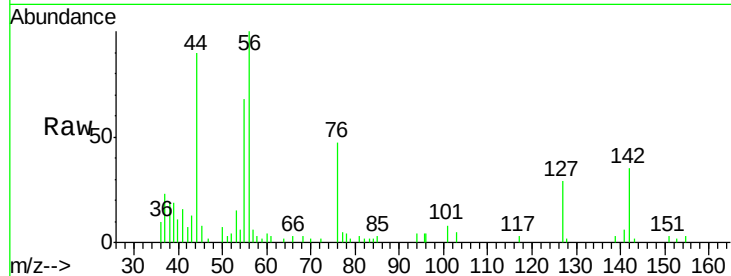
55 68.4 57.5 86.3

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#14

Allyl chloride

Concen: 65.667 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

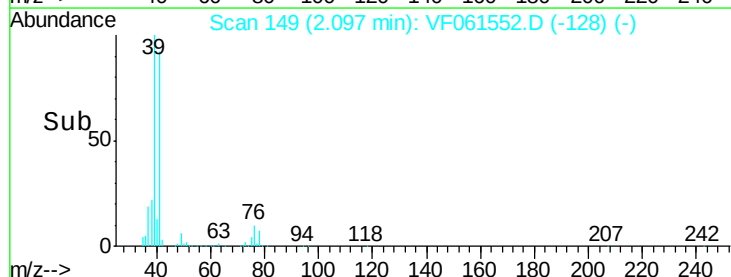
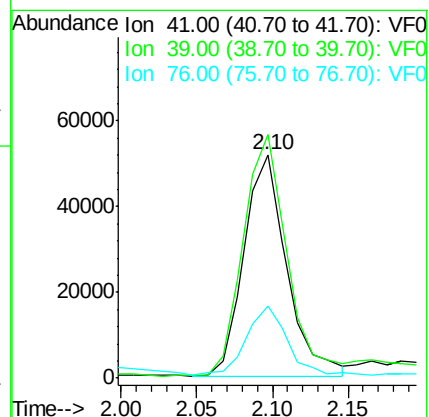
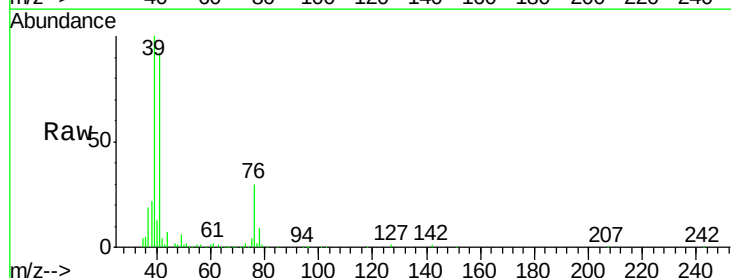
Tgt Ion: 41 Resp: 102059

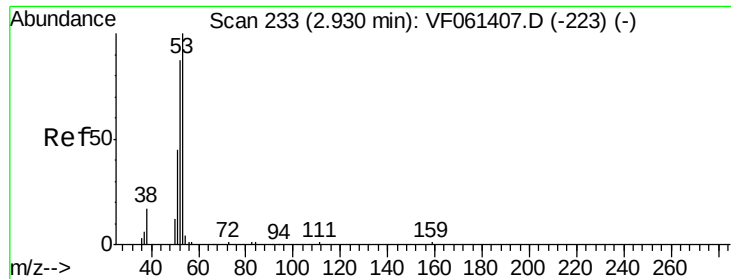
Ion Ratio Lower Upper

41 100

39 108.8 94.6 141.8

76 32.3 25.9 38.9





#15

Acrylonitrile

Concen: 281.652 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

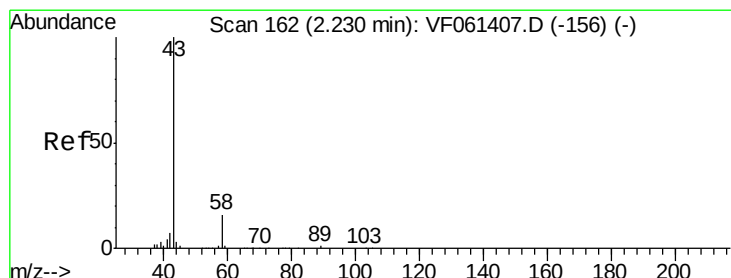
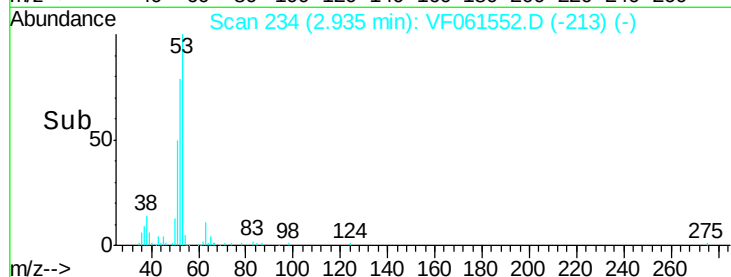
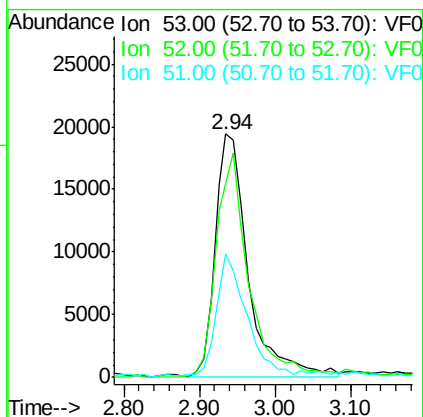
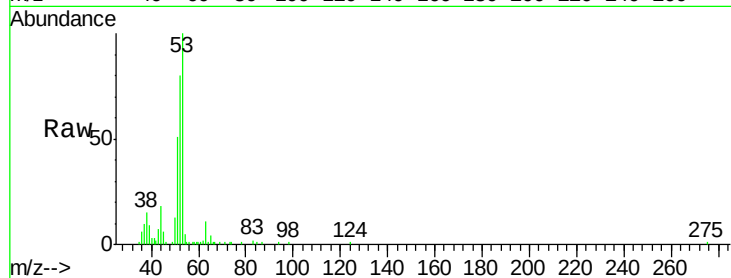
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:	53	Resp:	59447
Ion	Ratio	Lower	Upper
53	100		
52	79.6	69.6	104.4
51	50.7	36.8	55.2

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#16

Acetone

Concen: 269.795 ug/l

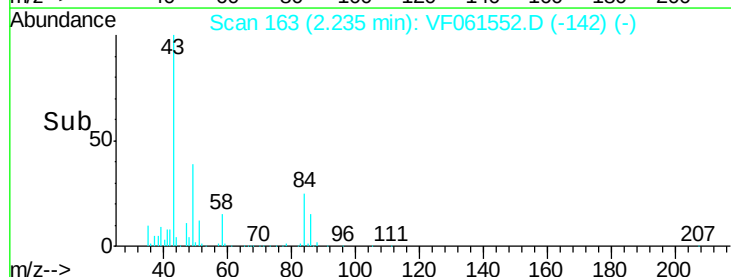
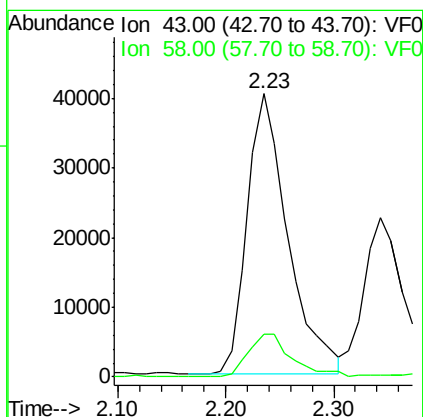
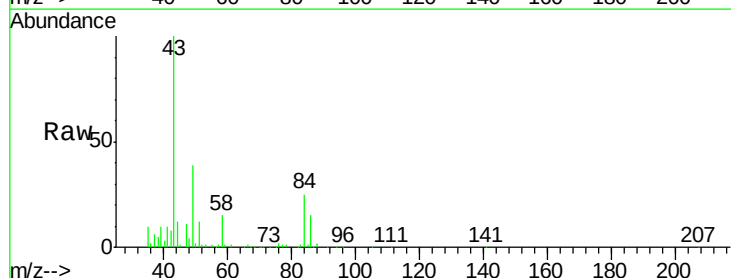
RT: 2.23 min Scan# 163

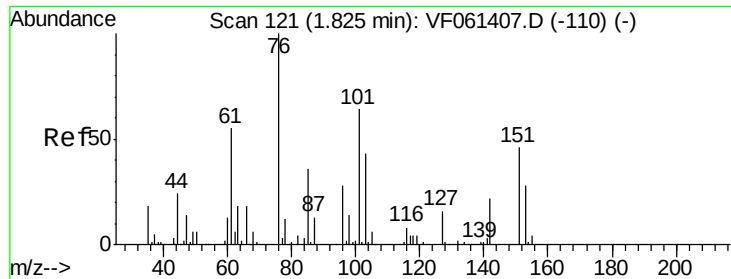
Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion:	43	Resp:	105362
Ion	Ratio	Lower	Upper
43	100		
58	15.0	13.3	19.9





#17

Carbon Disulfide

Concen: 46.587 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 76 Resp: 203707

Ion Ratio Lower Upper

76 100

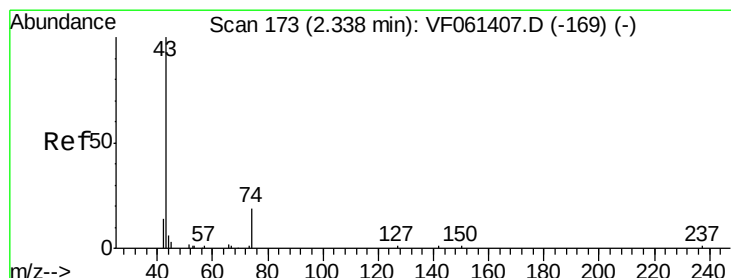
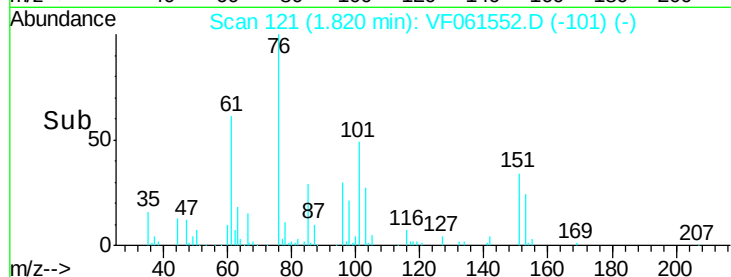
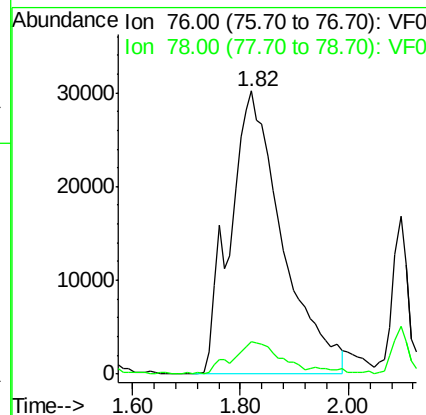
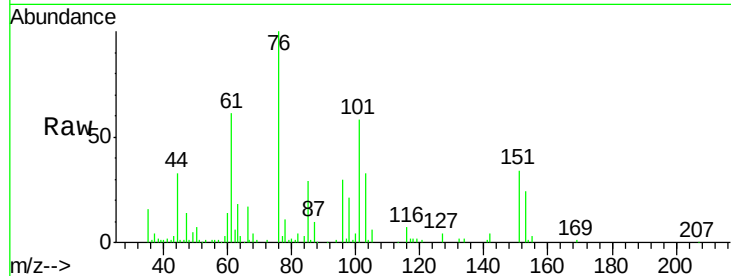
78 11.3 9.6 14.4

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#18

Methyl Acetate

Concen: 69.561 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061552.D

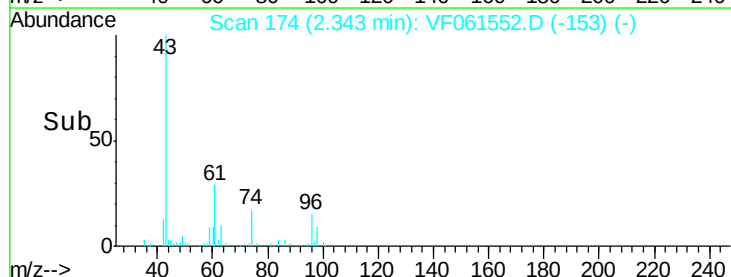
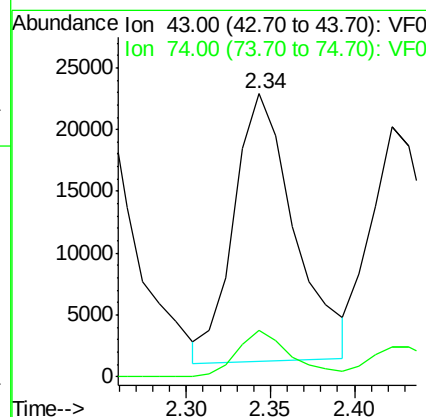
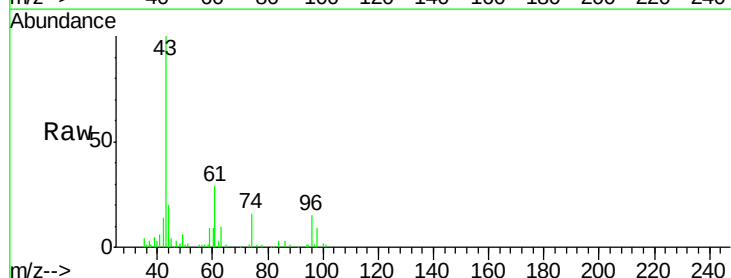
Acq: 7 Feb 2019 18:39

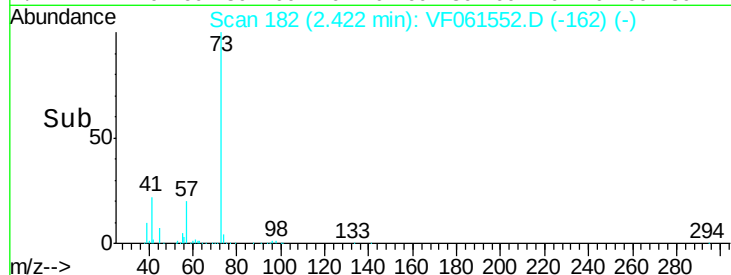
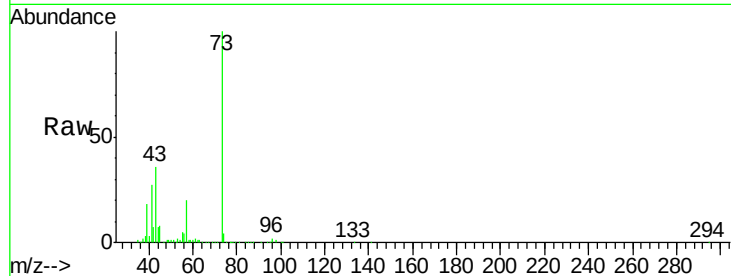
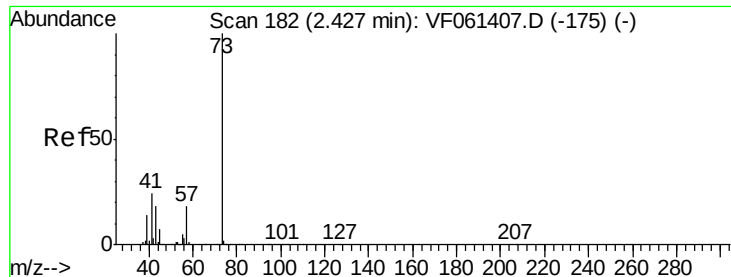
Tgt Ion: 43 Resp: 53873

Ion Ratio Lower Upper

43 100

74 16.3 13.4 20.0





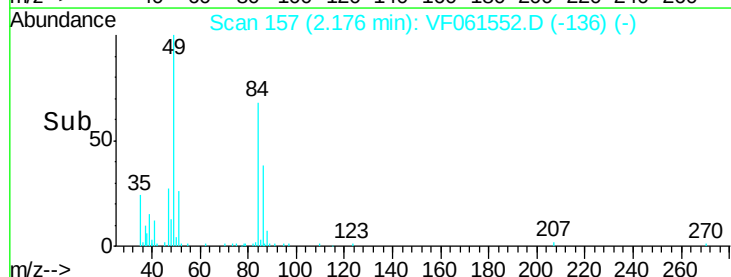
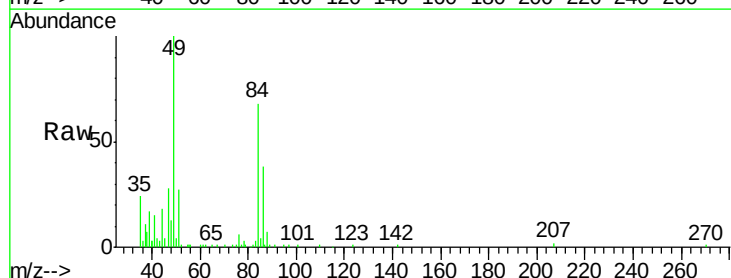
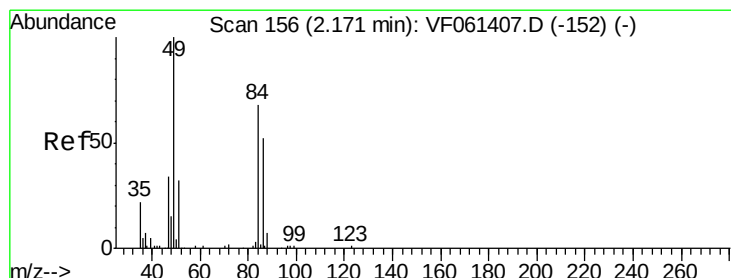
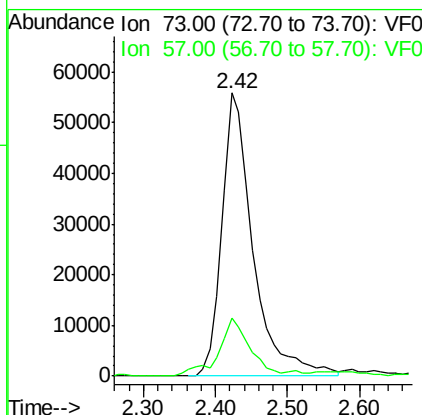
#19
Methyl tert-butyl Ether
Concen: 53.187 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	14.8	22.2

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

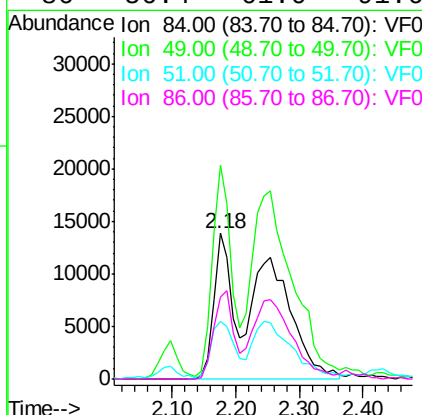
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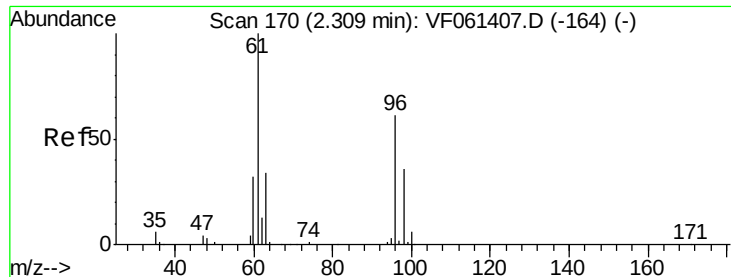
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#20
Methylene Chloride
Concen: 58.181 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.9	120.0	180.0
51	39.7	38.6	58.0
86	56.4	61.0	91.6#





#21

trans-1,2-Dichloroethene

Concen: 47.184 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 96 Resp: 72800

Ion Ratio Lower Upper

96 100

61 175.3 131.8 197.8

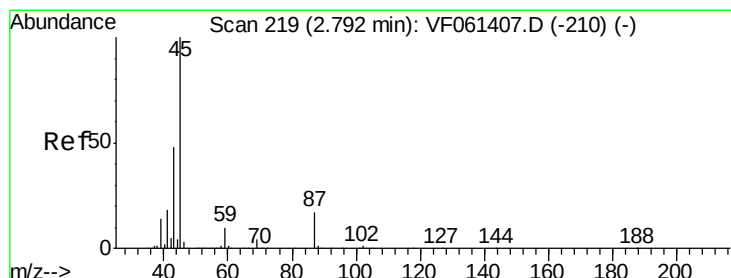
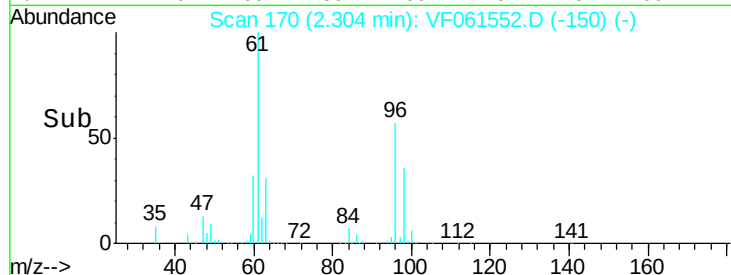
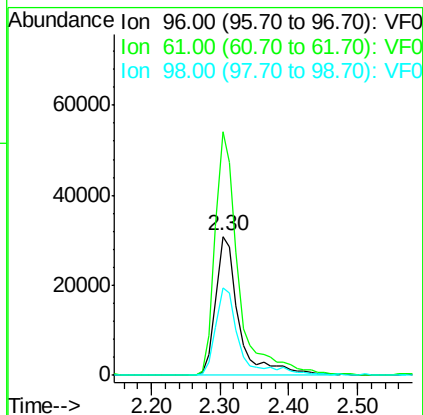
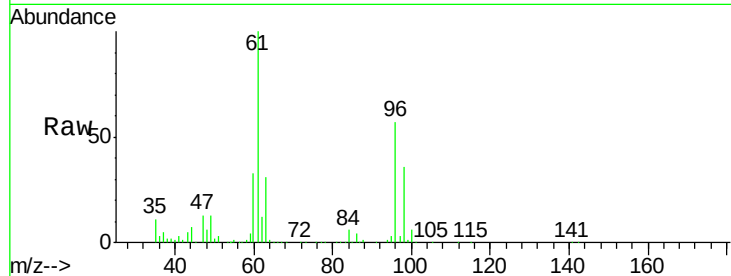
98 62.6 47.4 71.0

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#22

Diisopropyl ether

Concen: 53.588 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion: 45 Resp: 267428

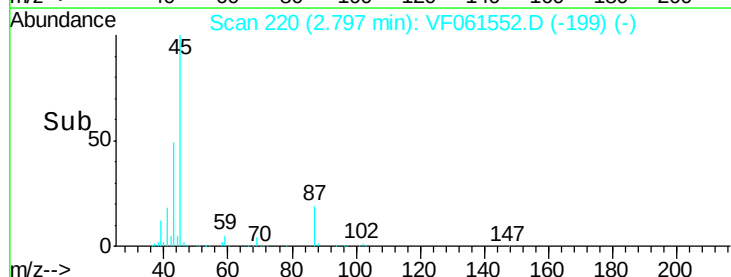
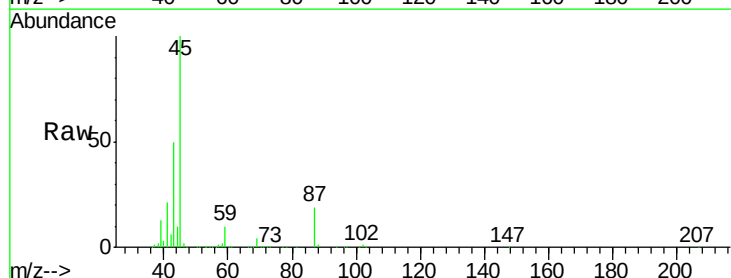
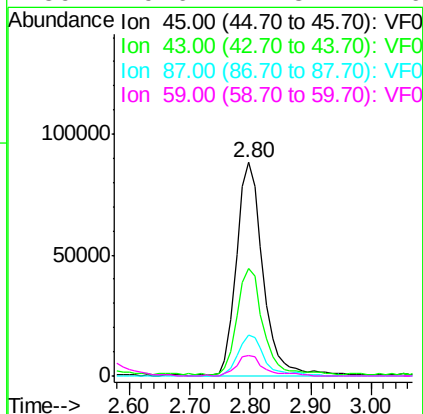
Ion Ratio Lower Upper

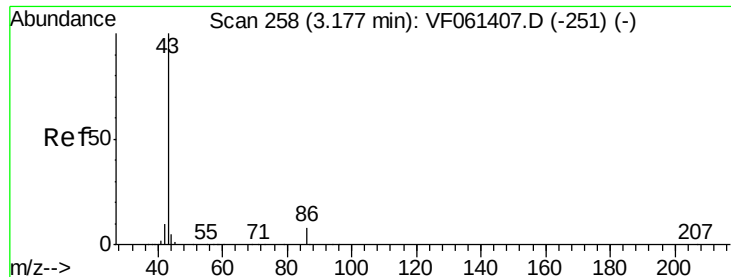
45 100

43 50.4 39.0 58.6

87 19.0 13.9 20.9

59 9.6 7.8 11.6





#23

Vinyl Acetate

Concen: 235.198 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 43 Resp: 515850

Ion Ratio Lower Upper

43 100

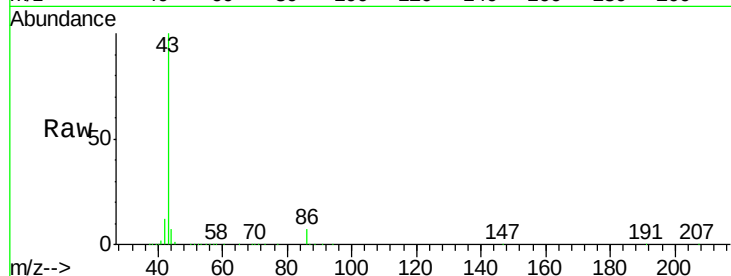
86 7.4 6.2 9.4

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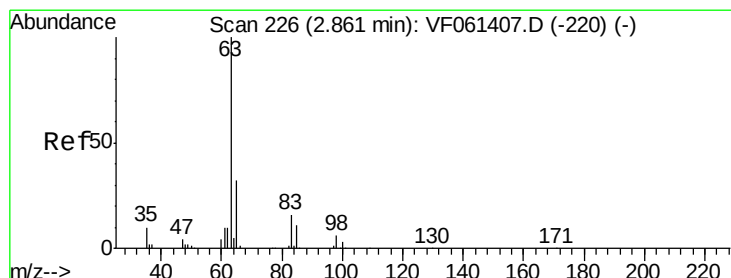
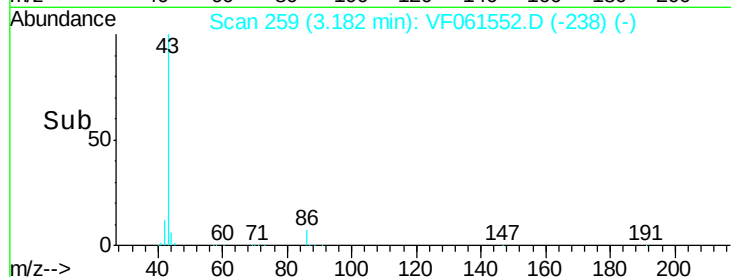
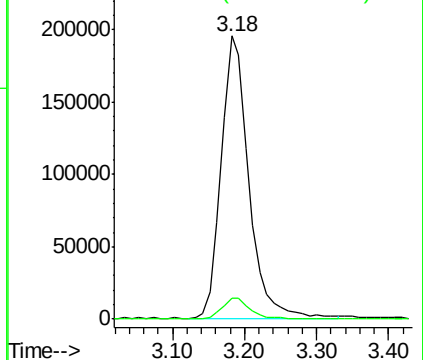
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 50.712 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

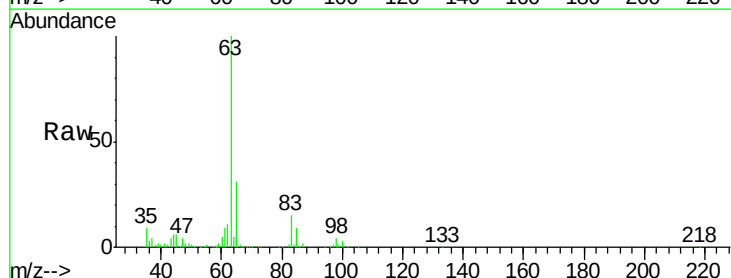
Tgt Ion: 63 Resp: 158838

Ion Ratio Lower Upper

63 100

98 4.4 2.9 8.8

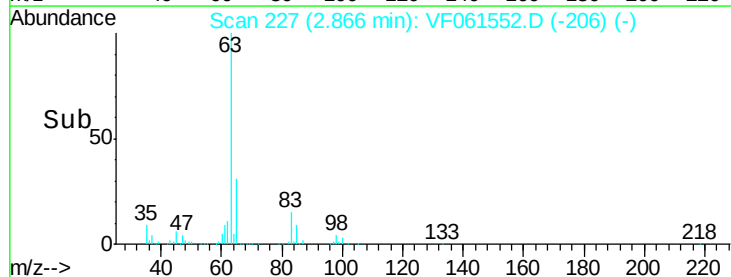
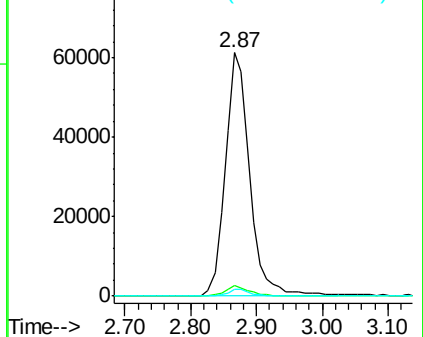
100 2.7 1.6 4.8

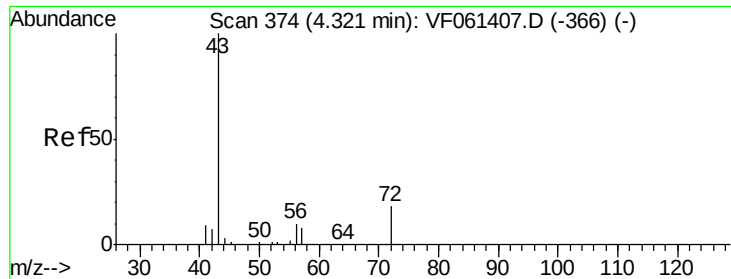


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 275.921 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 43 Resp: 179191

Ion Ratio Lower Upper

43 100

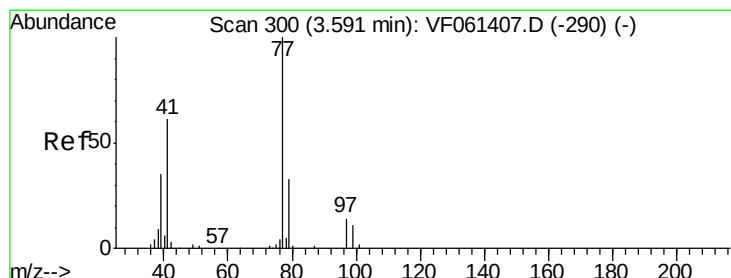
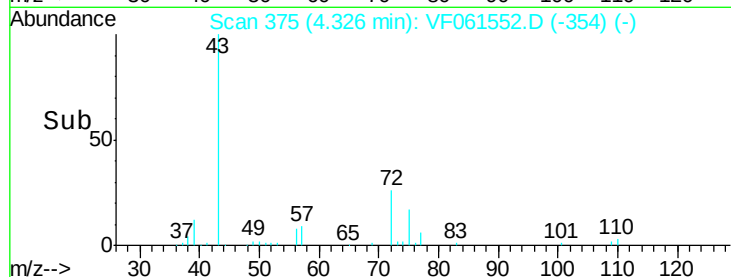
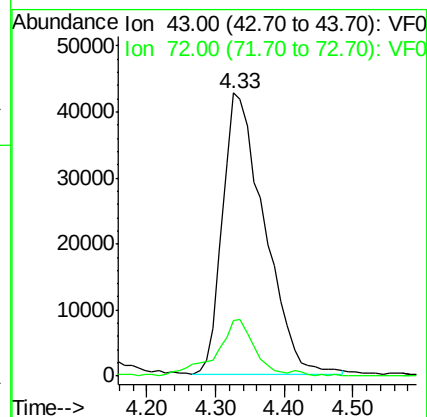
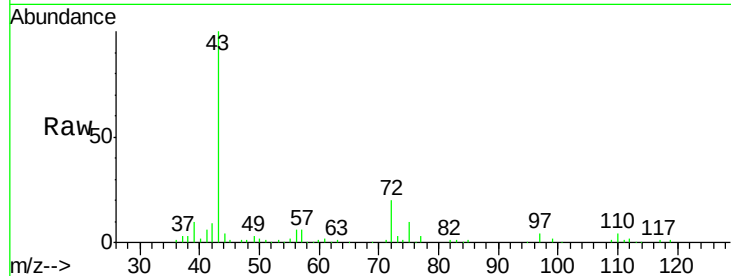
72 19.7 15.8 23.6

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#26

2,2-Dichloropropane

Concen: 47.712 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061552.D

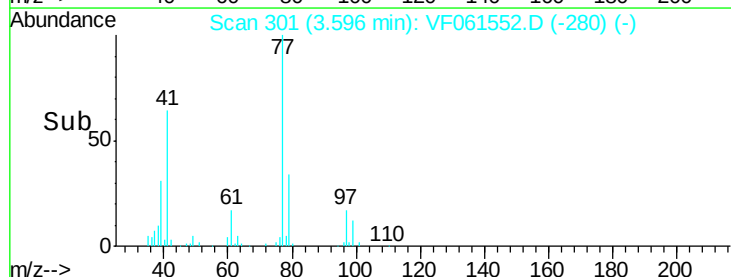
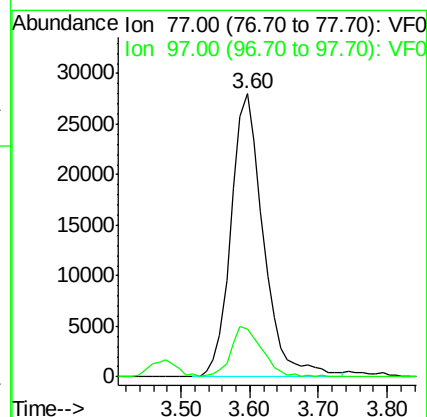
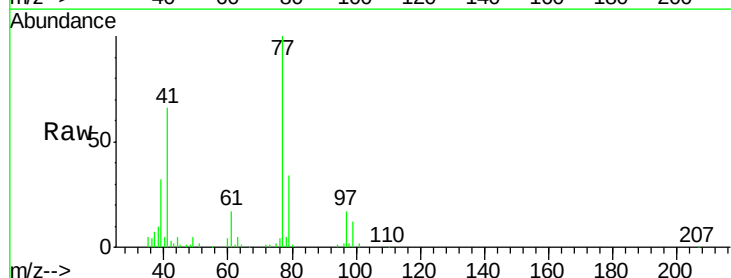
Acq: 7 Feb 2019 18:39

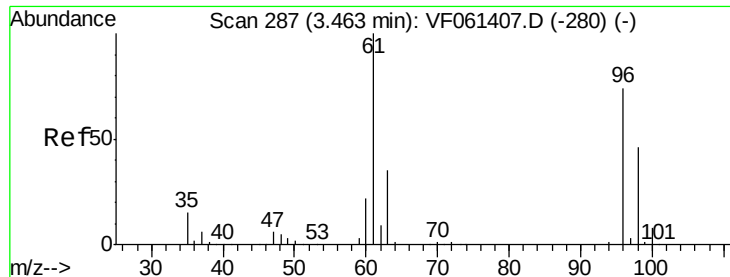
Tgt Ion: 77 Resp: 91815

Ion Ratio Lower Upper

77 100

97 17.1 8.5 25.5





#27

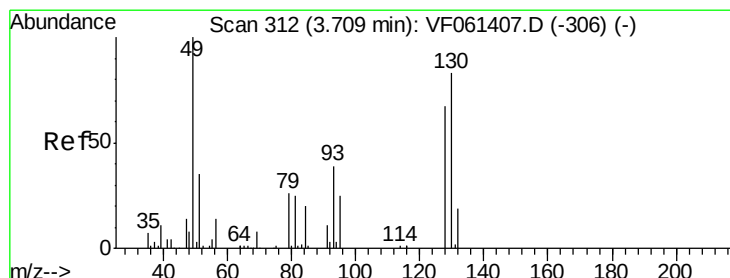
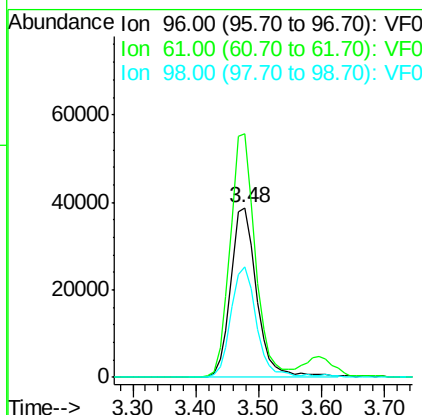
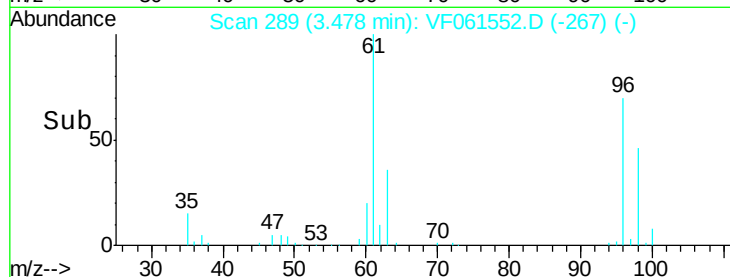
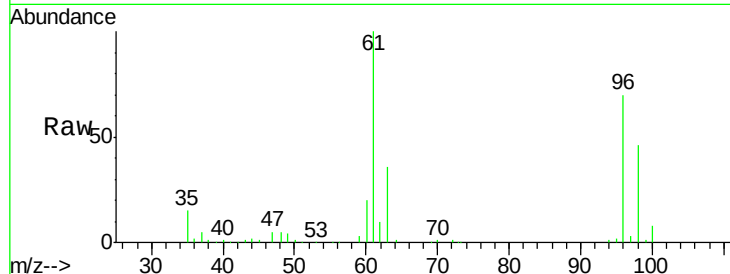
cis-1,2-Dichloroethene
Concen: 48.464 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	110379		
61	143.6	0.0	270.2	
98	65.5	0.0	124.0	

Manual Integrations
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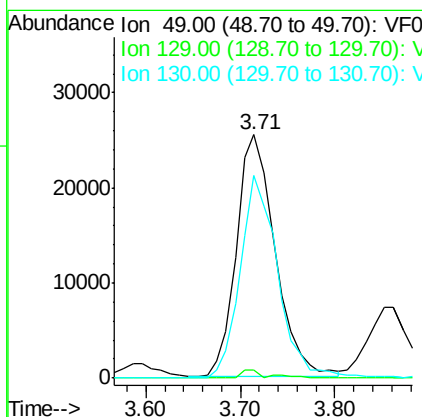
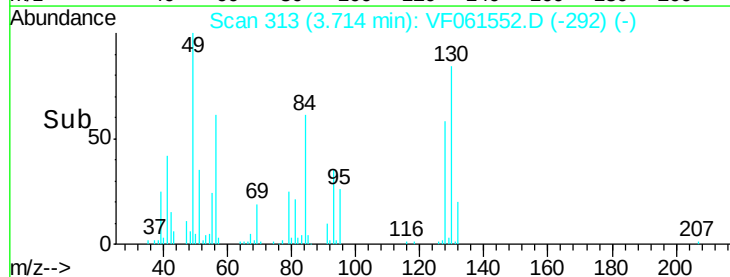
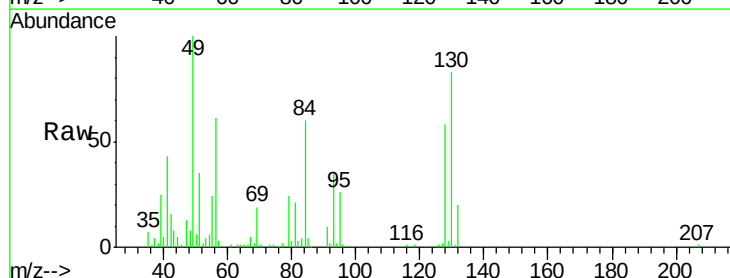
MMDadoda
2/11/2019 12:36:27 PM

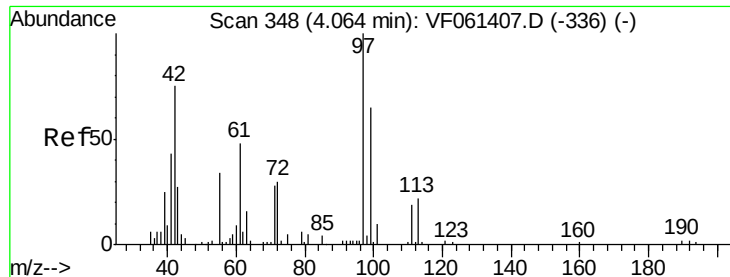


#28

Bromochloromethane
Concen: 51.088 ug/l
RT: 3.71 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	71928		
129	3.1	0.0	0.0#	
130	83.1	65.4	98.2	





#29

Tetrahydrofuran

Concen: 278.065 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

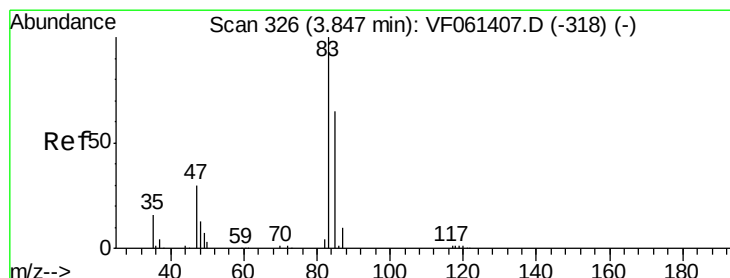
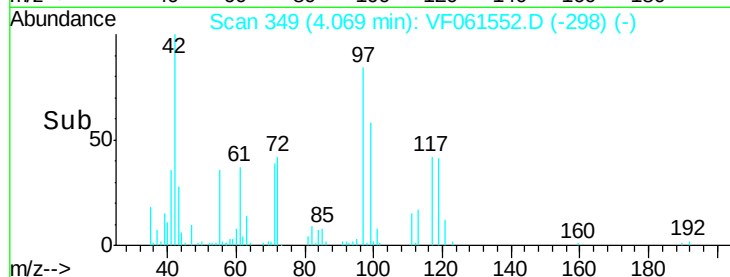
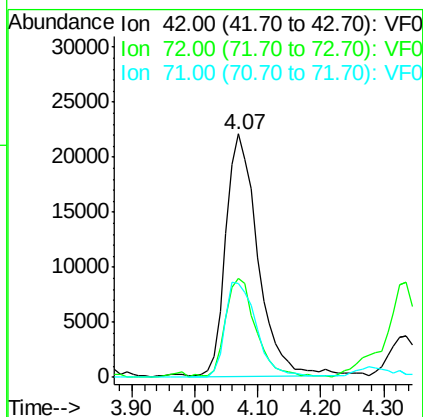
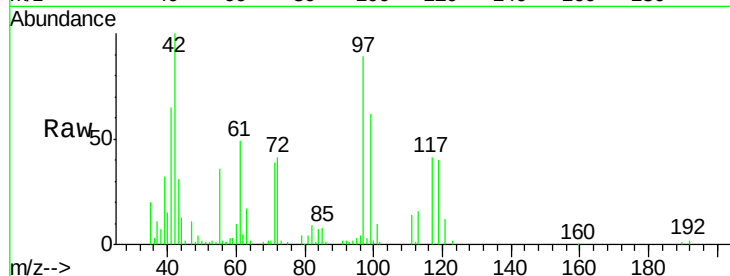
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:	42	Resp:	77758
Ion	Ratio	Lower	Upper
42	100		
72	39.2	28.9	43.3
71	38.6	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 48.835 ug/l

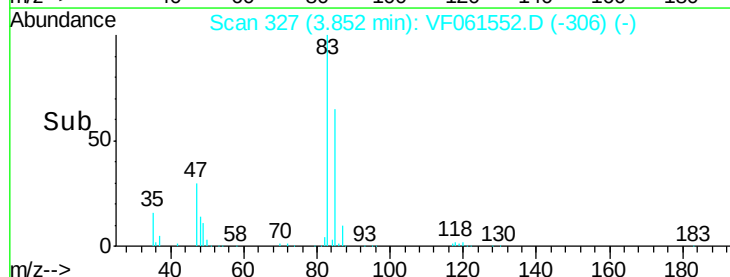
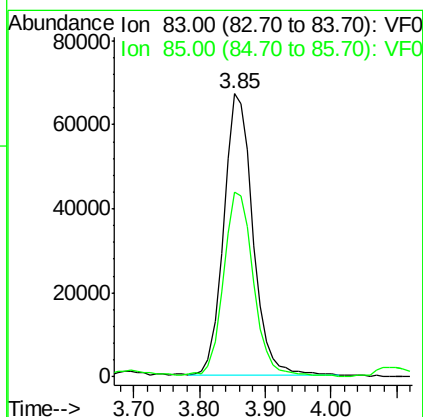
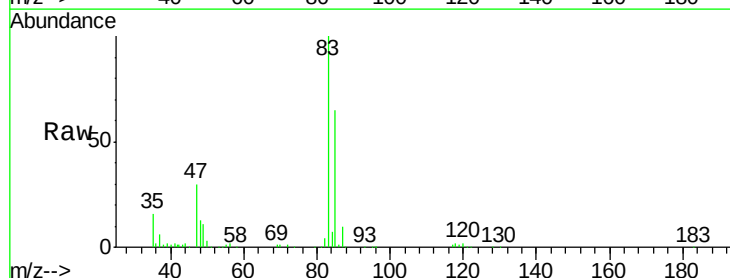
RT: 3.85 min Scan# 327

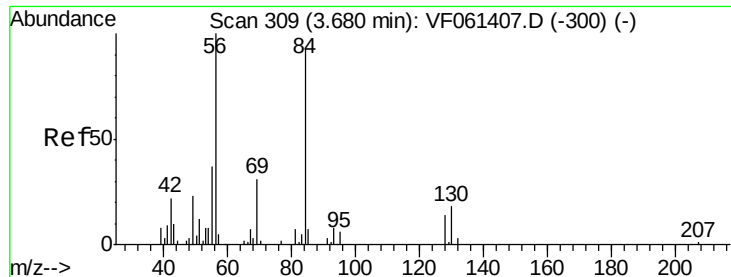
Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion:	83	Resp:	206427
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.7	79.1





#31

Cyclohexane

Concen: 46.765 ug/l m

RT: 3.69 min Scan# 311

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

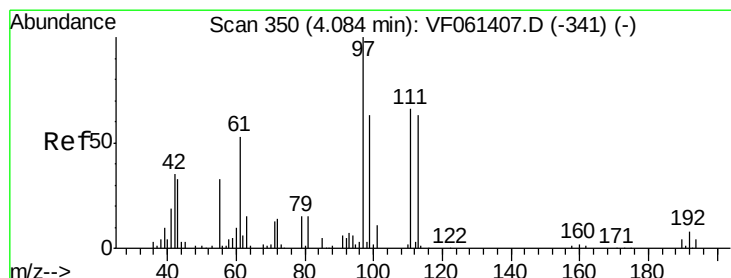
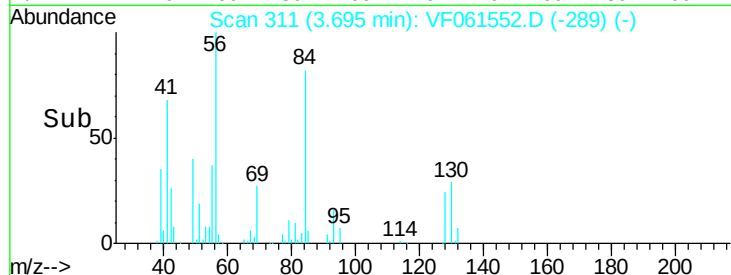
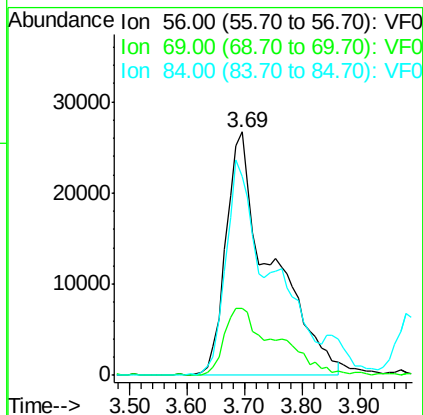
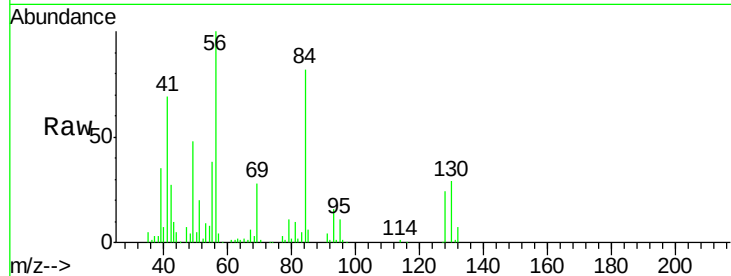
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:	56	Resp:	146314
Ion	Ratio	Lower	Upper
56	100		
69	27.7	24.6	36.8
84	81.8	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.712 ug/l

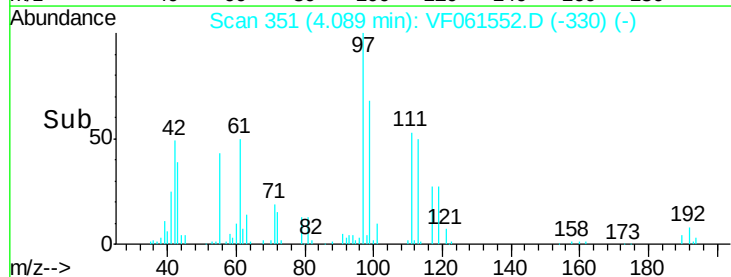
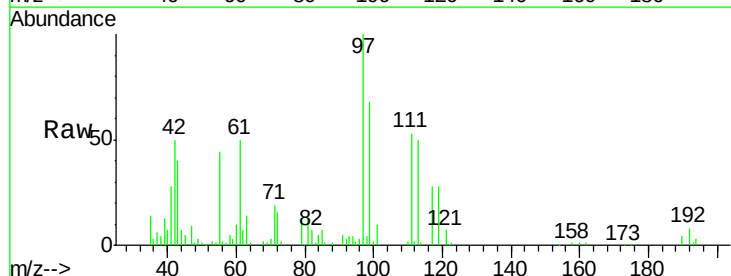
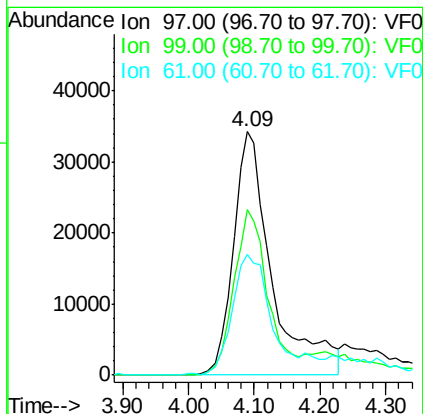
RT: 4.09 min Scan# 351

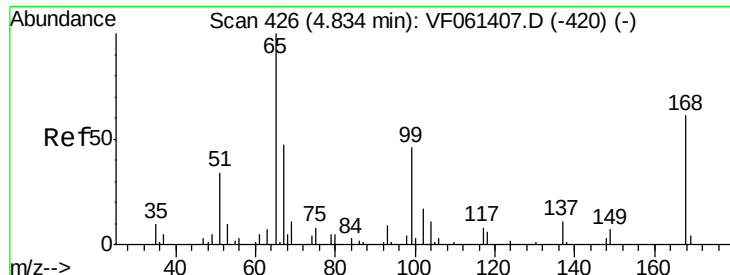
Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion:	97	Resp:	141681
Ion	Ratio	Lower	Upper
97	100		
99	68.0	50.1	75.1
61	49.8	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 48.547 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tot Ion: 65 Resp: 94505

Ion Ratio Lower Upper

65 100

67 50.3 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

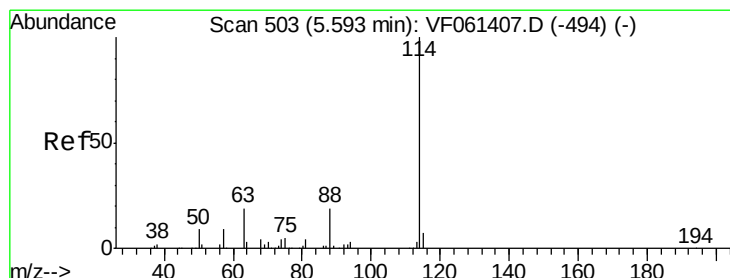
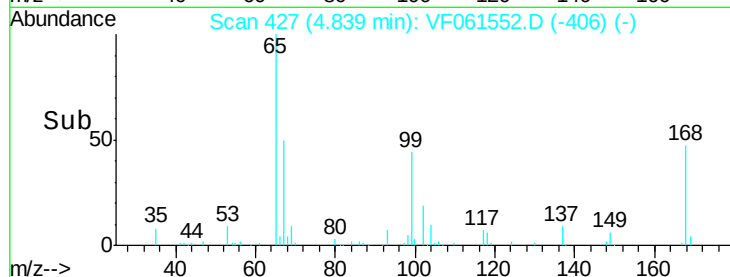
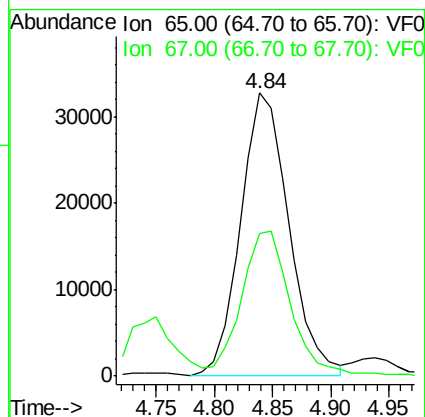
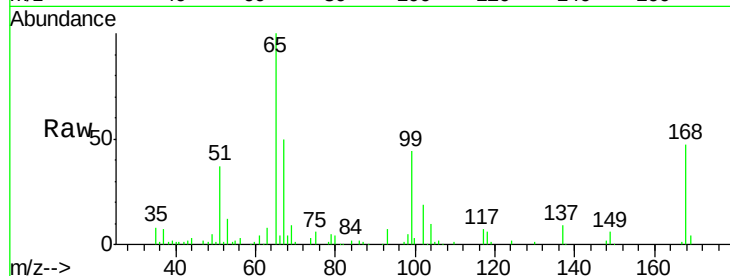
A0C12-SS1-7.5-8.0MS

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

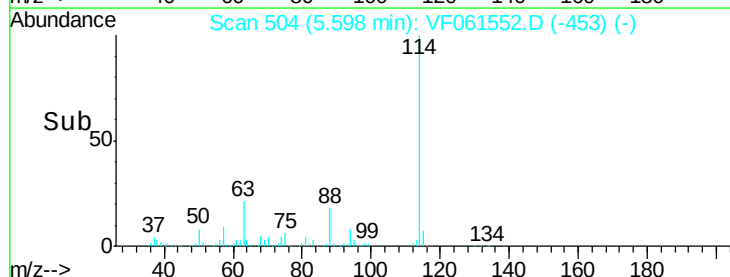
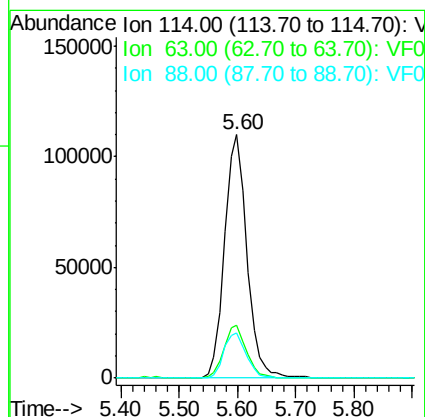
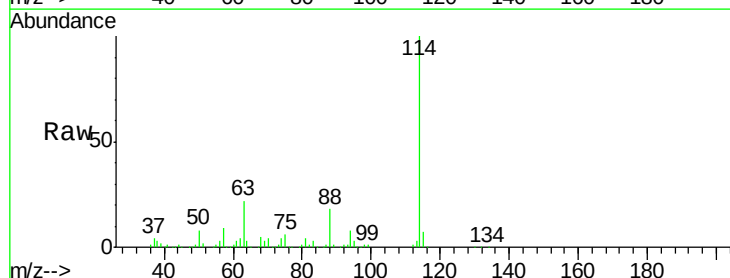
Tgt Ion: 114 Resp: 294337

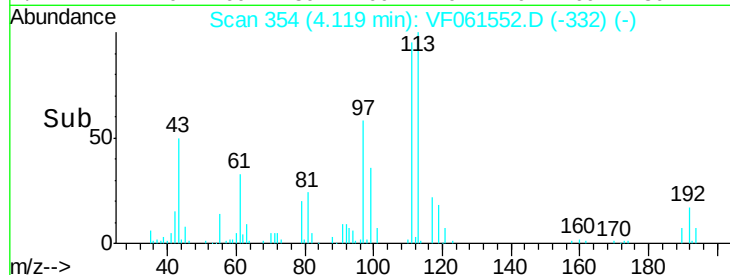
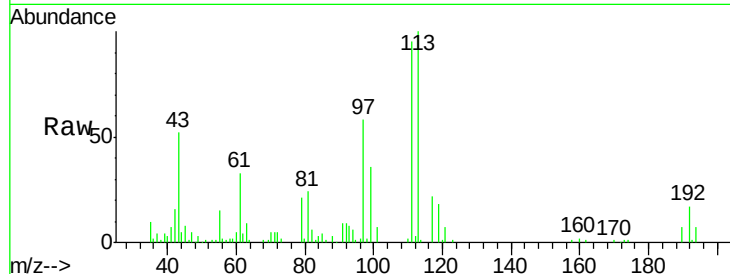
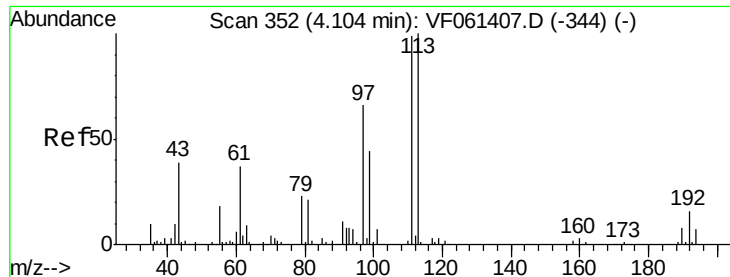
Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.0

88 18.5 0.0 37.4





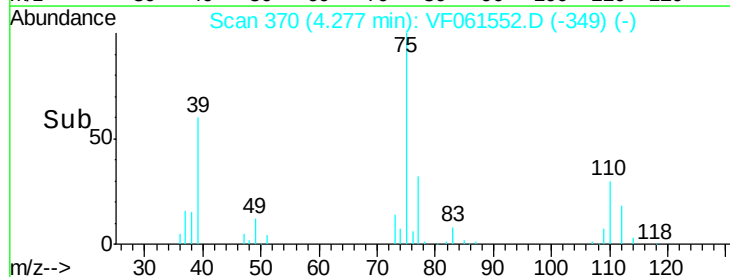
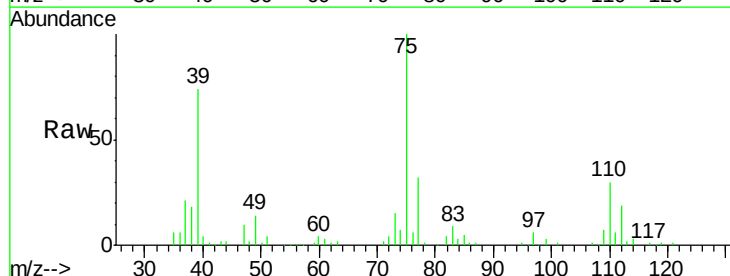
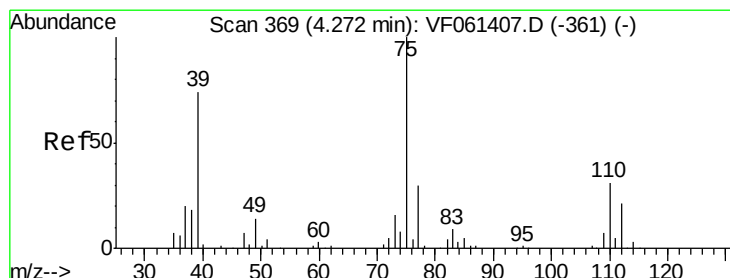
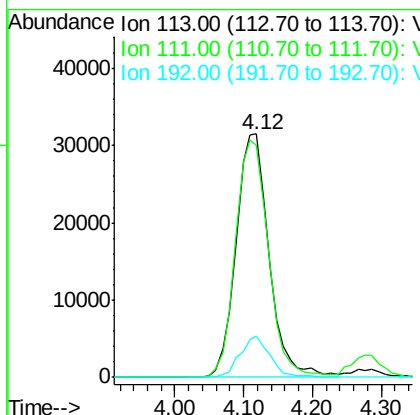
#35
Dibromofluoromethane
Concen: 45.138 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104836		
111	95.3		79.4	119.0
192	17.3		12.4	18.6

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

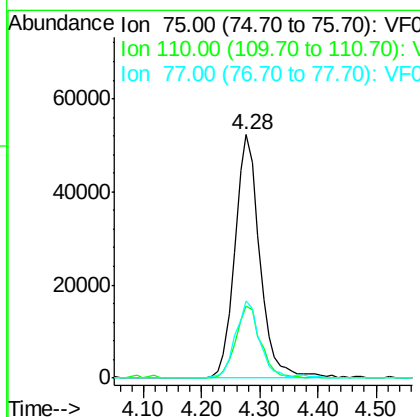
Manual Integrations
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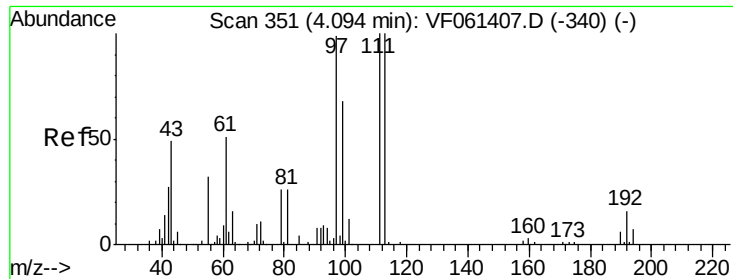
MMDadoda
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#36
1,1-Dichloropropene
Concen: 45.777 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	156224		
110	29.7		15.8	47.3
77	31.5		24.0	36.0





#37

Ethyl Acetate

Concen: 51.654 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

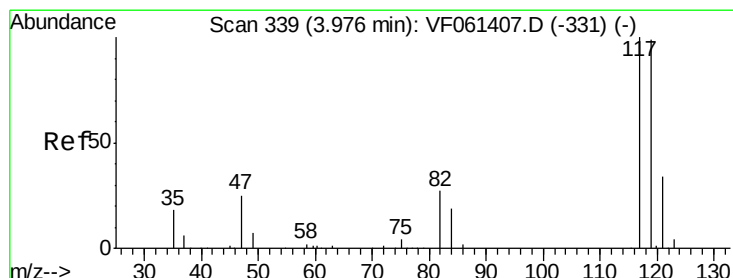
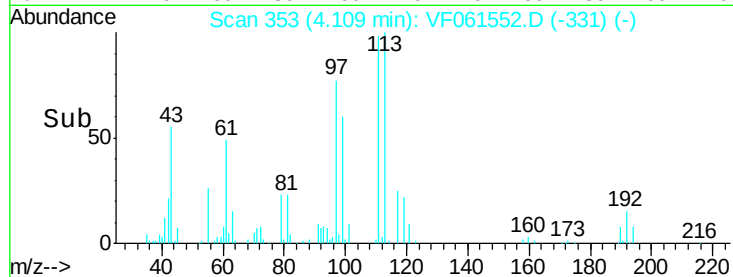
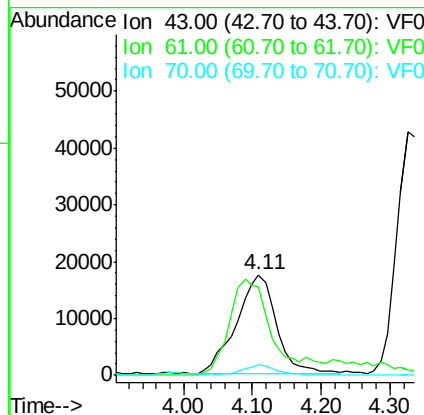
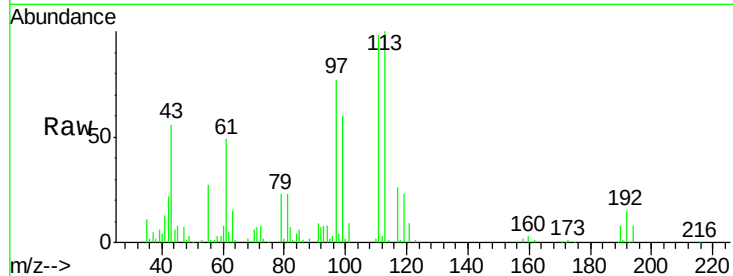
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:	43	Resp:	70464
Ion	Ratio	Lower	Upper
43	100		
61	87.9	81.7	122.5
70	10.7	6.2	9.2#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 43.191 ug/l

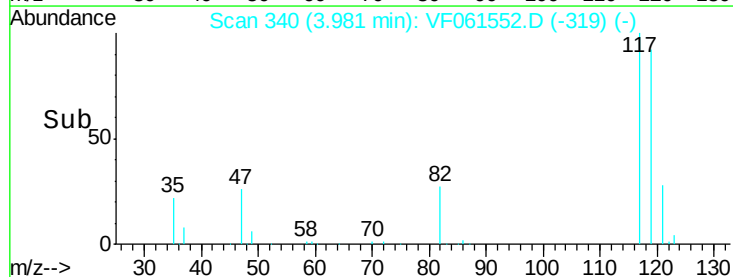
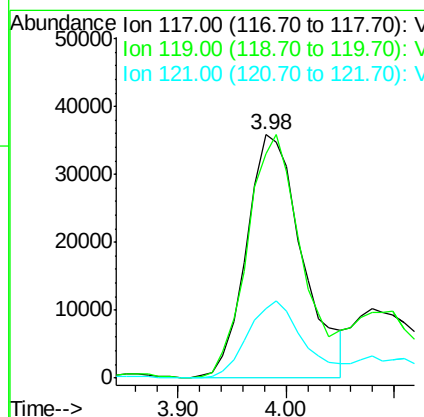
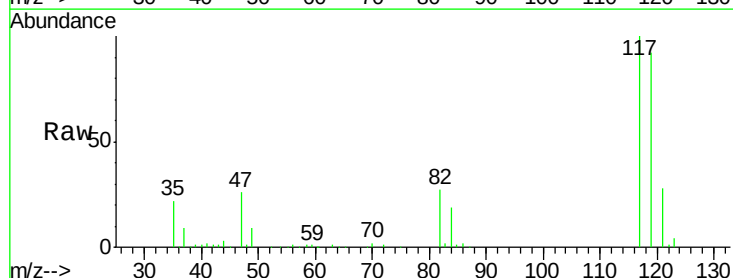
RT: 3.98 min Scan# 340

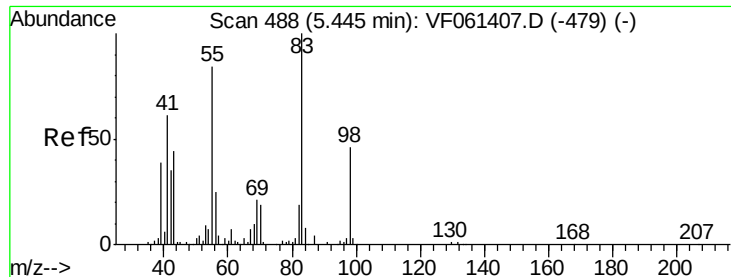
Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion:	117	Resp:	128862
Ion	Ratio	Lower	Upper
117	100		
119	92.3	79.0	118.6
121	28.4	27.0	40.6





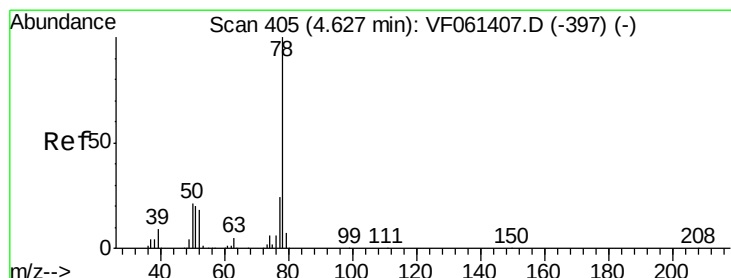
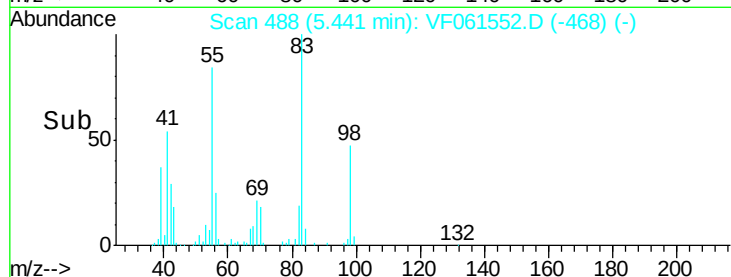
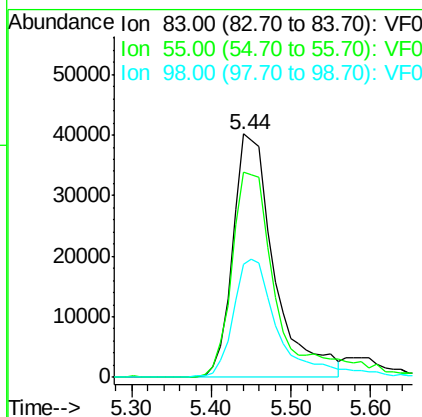
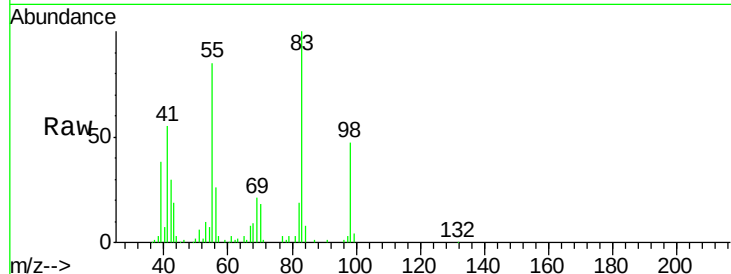
#39
Methylvlcyclohexane
Concen: 39.423 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	145800		
55	84.5	67.4	101.2	
98	46.6	36.7	55.1	

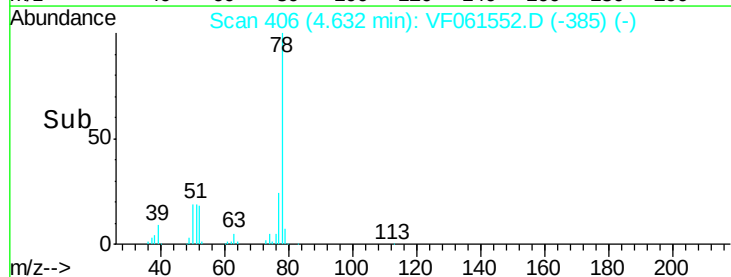
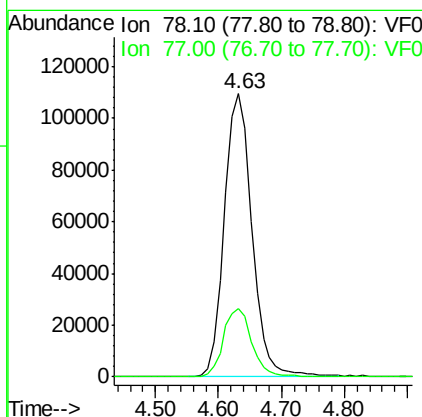
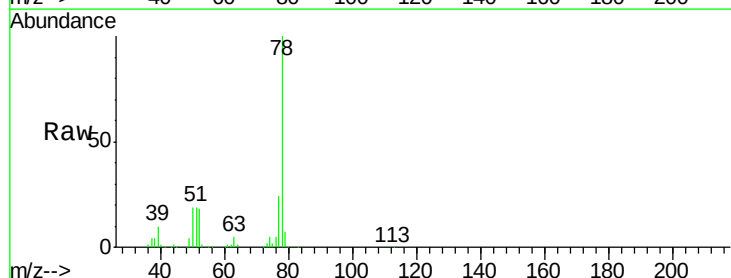
Manual Integrations
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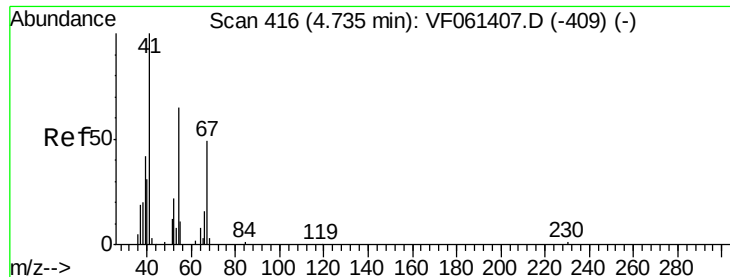
MMDadoda
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#40
Benzene
Concen: 44.018 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	334264		
77	24.2	19.0	28.6	





#41

Methacrylonitrile

Concen: 53.093 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

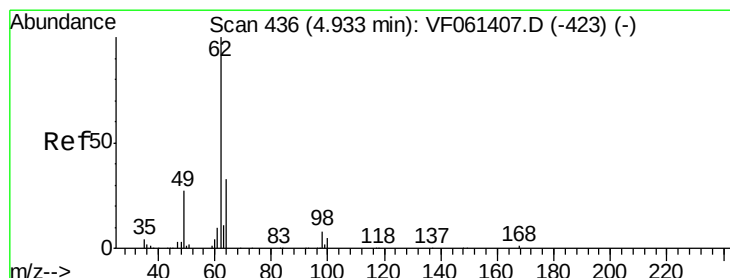
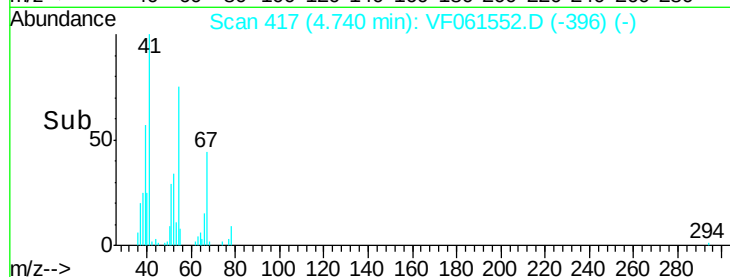
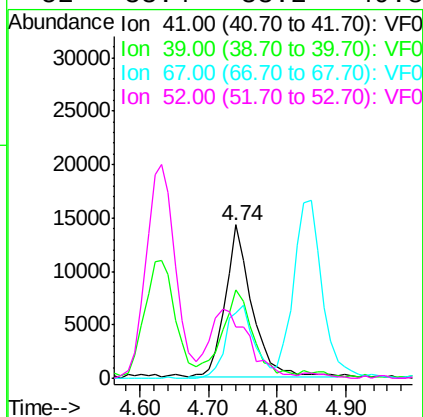
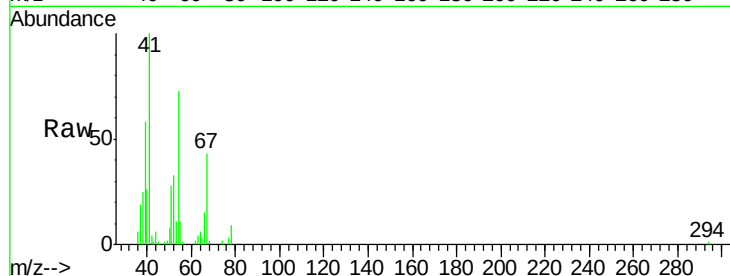
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:	41	Resp:	38539
Ion	Ratio	Lower	Upper
41	100		
39	57.9	43.1	64.7
67	42.9	38.8	58.2
52	33.4	33.2	49.8

Manual Integrations
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2/11/2019 12:36:27 PM



#42

1,2-Dichloroethane

Concen: 49.984 ug/l

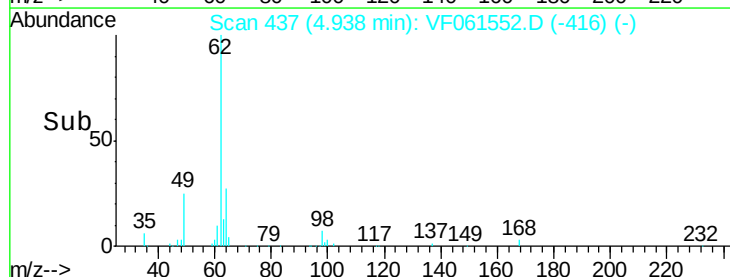
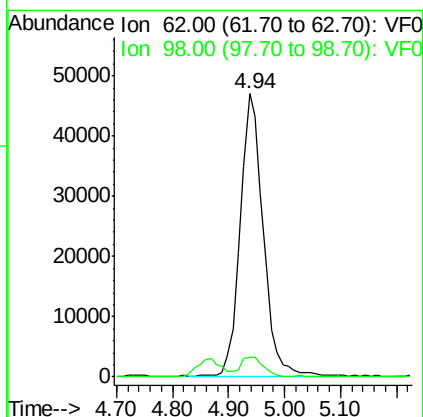
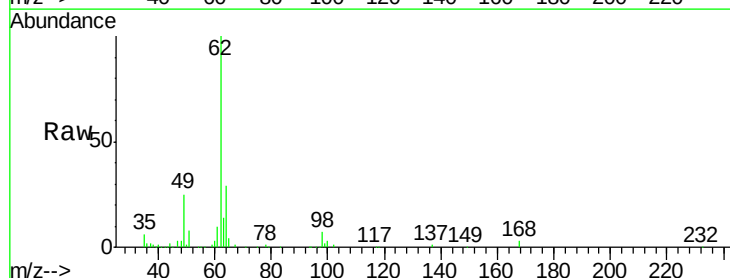
RT: 4.94 min Scan# 437

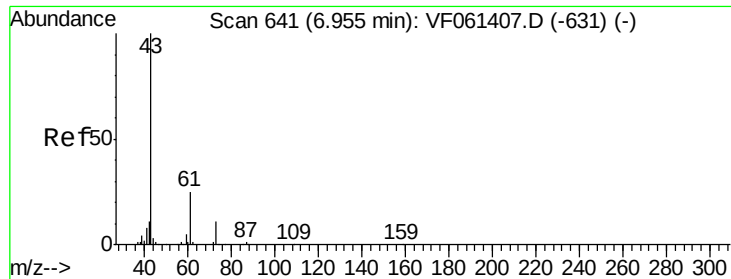
Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion:	62	Resp:	135256
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	17.0





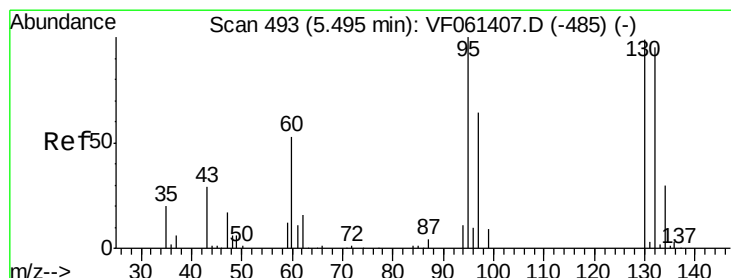
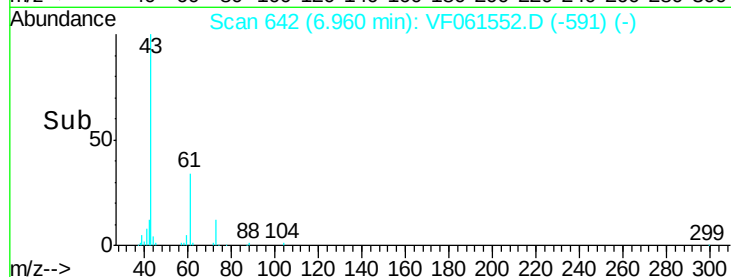
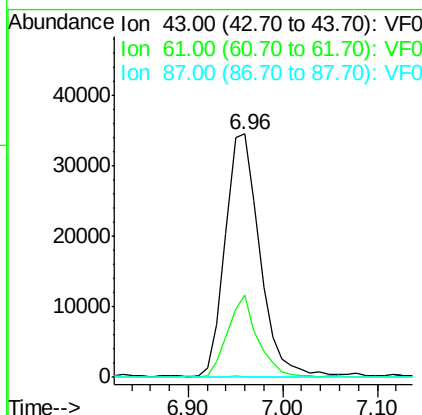
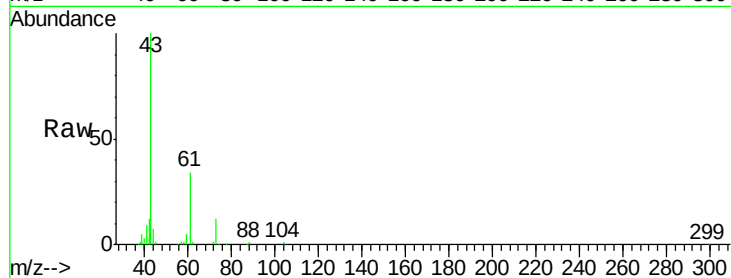
#43
Isopropyl Acetate
Concen: 51.046 ug/l
RT: 6.96 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.6	20.3	30.5#
87	0.3	0.5	0.7#

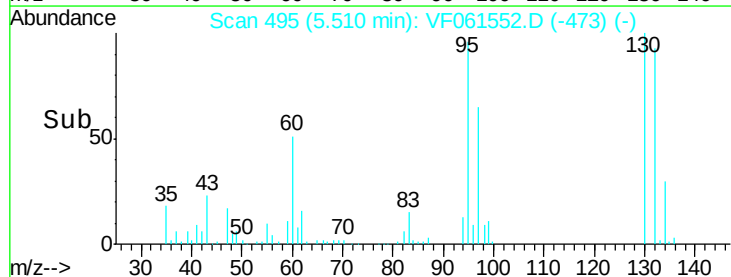
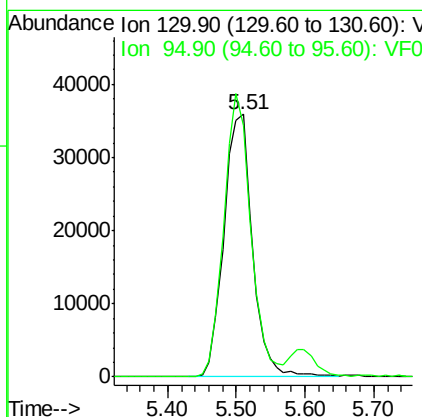
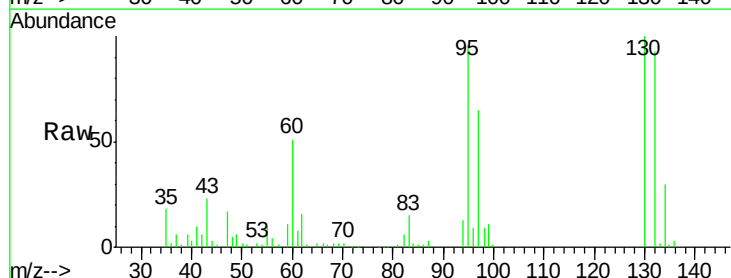
Manual Integrations
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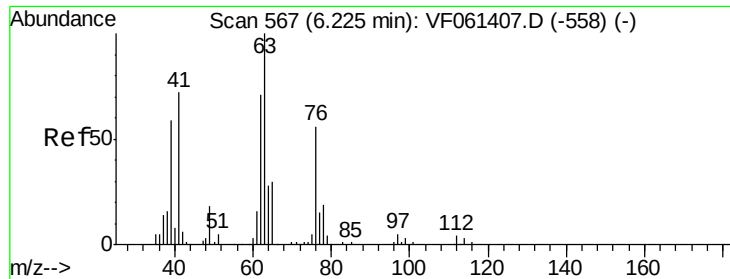
MMDadoda
2/11/2019 12:36:27 PM



#44
Trichloroethene
Concen: 44.416 ug/l
RT: 5.51 min Scan# 495
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	202.8





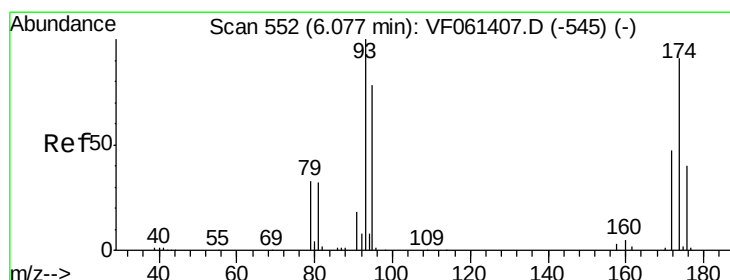
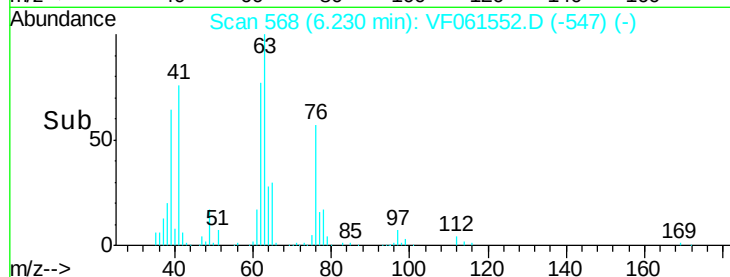
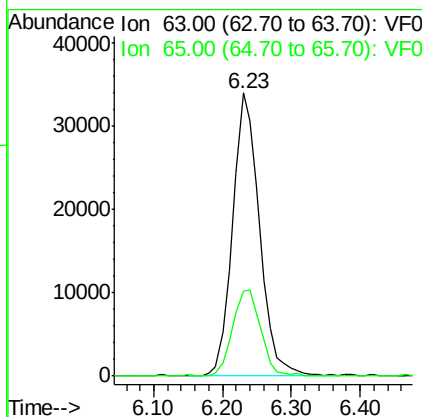
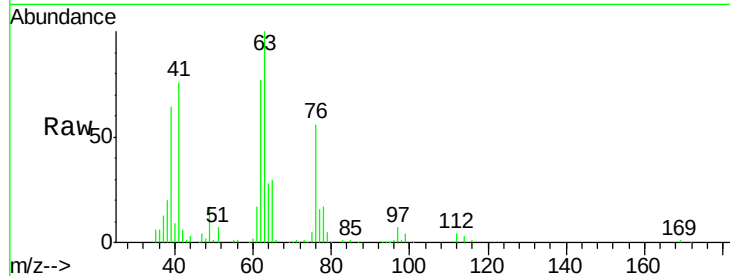
#45
 1,2-Dichloropropane
 Concen: 45.998 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VF061552.D
 Acq: 7 Feb 2019 18:39

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MS

Tot Ion: 63 Resp: 91676
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.4 36.6

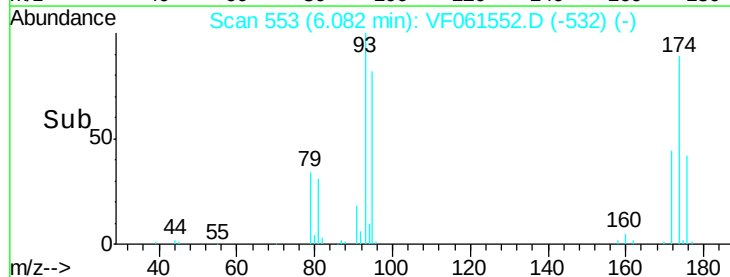
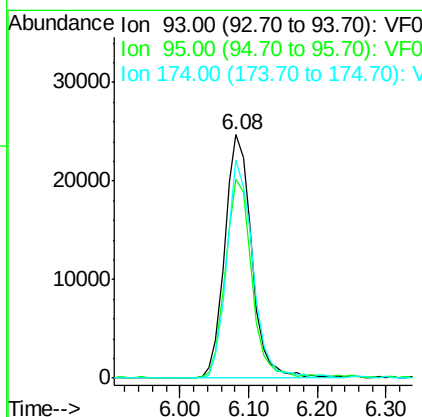
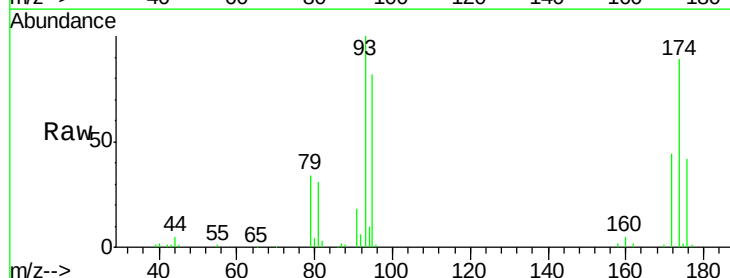
Manual Integrations
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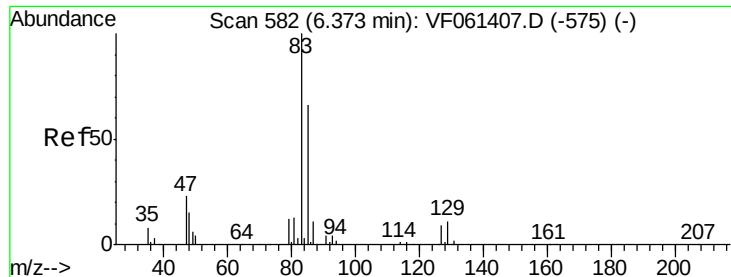
MMDadoda
 2/11/2019 12:36:27 PM



#46
 Dibromomethane
 Concen: 50.688 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: VF061552.D
 Acq: 7 Feb 2019 18:39

Tgt Ion: 93 Resp: 67174
 Ion Ratio Lower Upper
 93 100
 95 81.5 62.1 93.1
 174 90.9 74.6 111.8





#47

Bromodichloromethane

Concen: 49.192 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

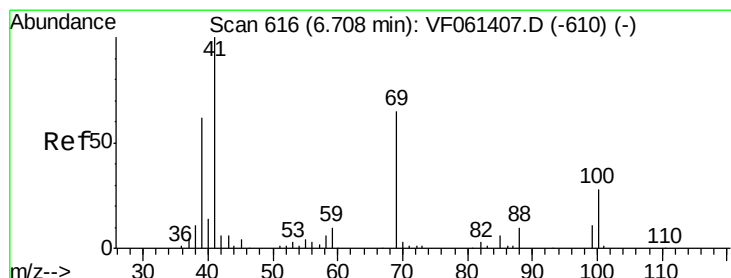
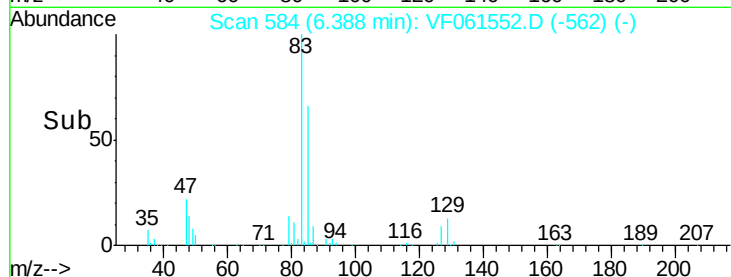
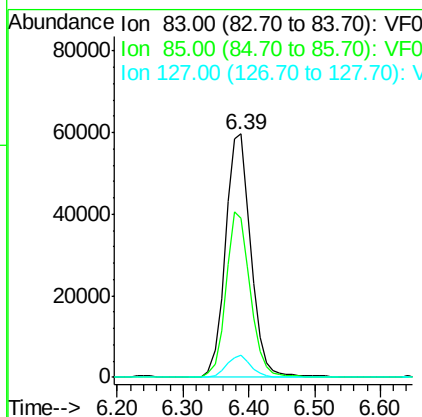
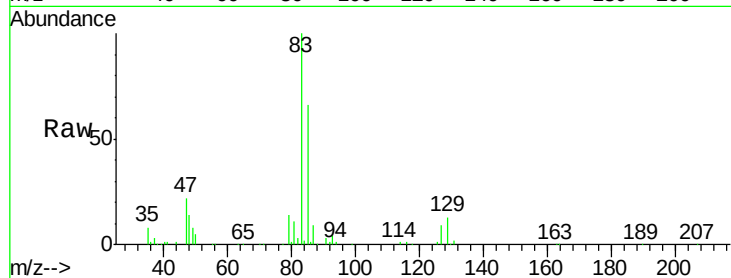
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:	83	Resp:	161294
Ion Ratio	Lower	Upper	
83	100		
85	65.6	53.0	79.4
127	9.2	6.9	10.3

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#48

Methyl methacrylate

Concen: 53.048 ug/l

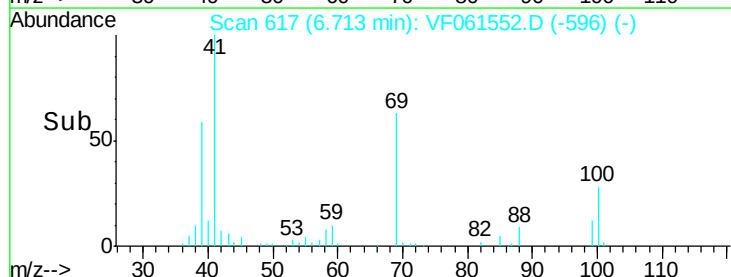
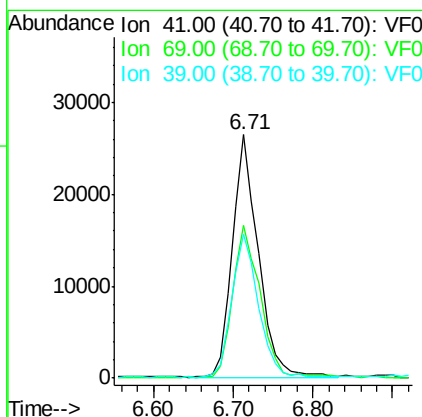
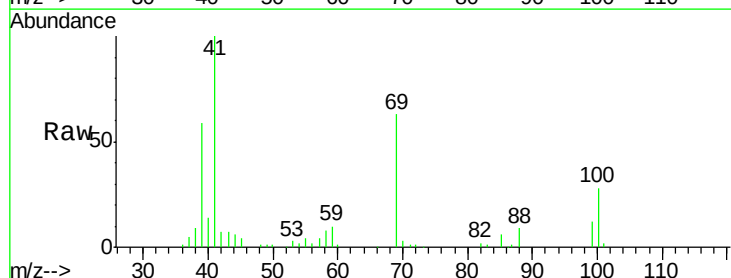
RT: 6.71 min Scan# 617

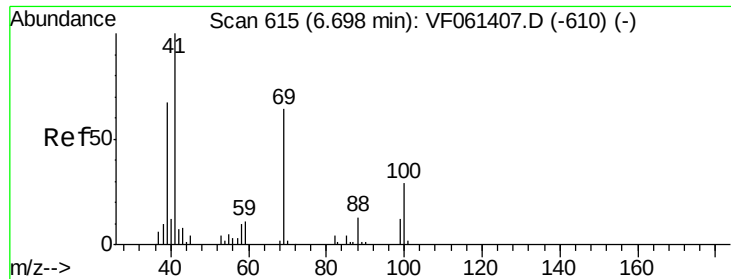
Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion:	41	Resp:	60989
Ion Ratio	Lower	Upper	
41	100		
69	63.0	51.7	77.5
39	59.0	49.2	73.8





#49

1,4-Dioxane

Concen: 1062.754 ug/l

RT: 6.70 min Scan# 616

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

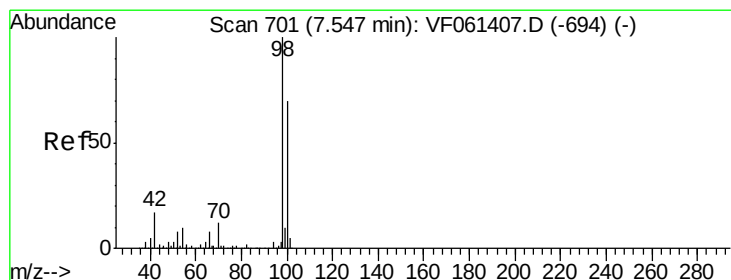
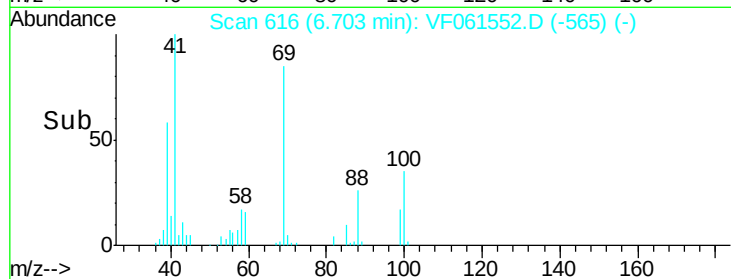
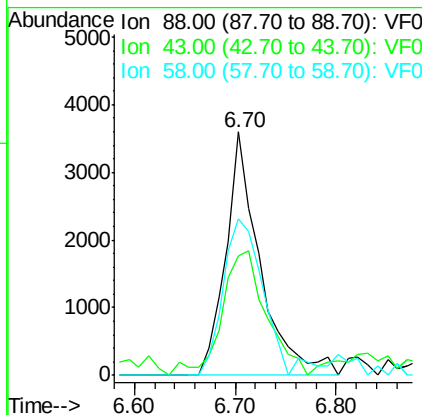
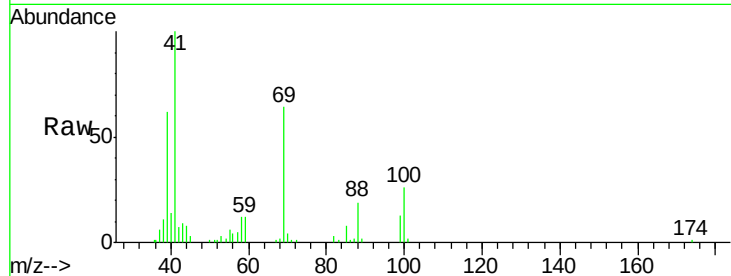
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:	88	Resp:	8494
Ion Ratio	Lower	Upper	
88	100		
43	48.9	55.5	83.3#
58	64.2	59.9	89.9

Manual Integrations
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#50

Toluene-d8

Concen: 44.727 ug/l

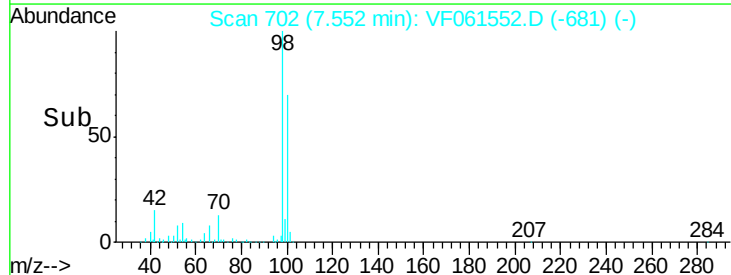
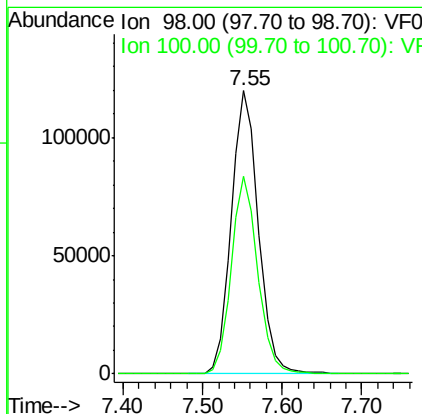
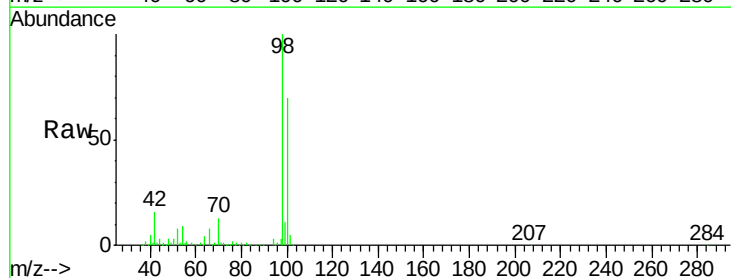
RT: 7.55 min Scan# 702

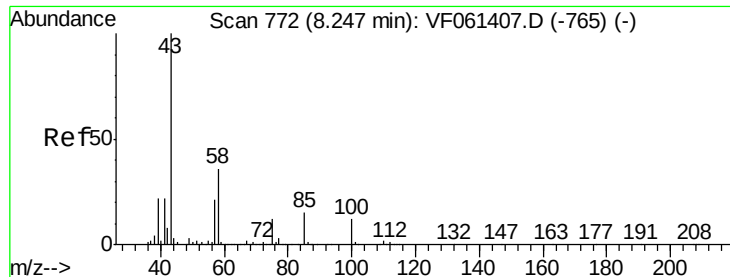
Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion:	98	Resp:	284619
Ion Ratio	Lower	Upper	
98	100		
100	69.7	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 257.308 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 43 Resp: 323868

Ion Ratio Lower Upper

43 100

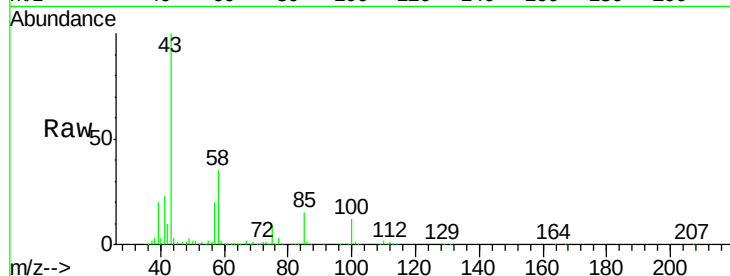
58 35.0 28.8 43.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

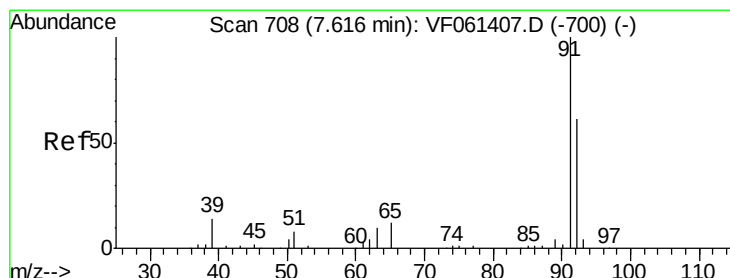
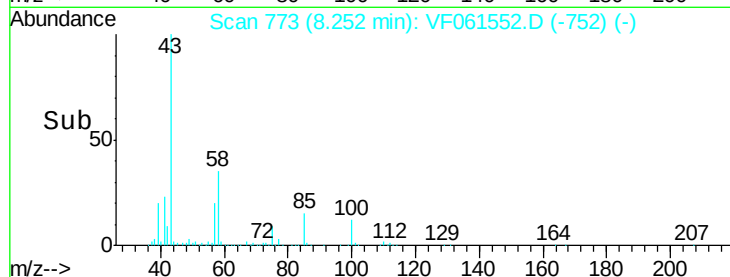
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 42.791 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061552.D

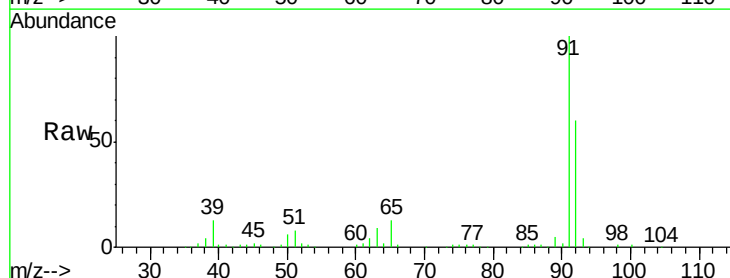
Acq: 7 Feb 2019 18:39

Tgt Ion: 92 Resp: 213989

Ion Ratio Lower Upper

92 100

91 165.4 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

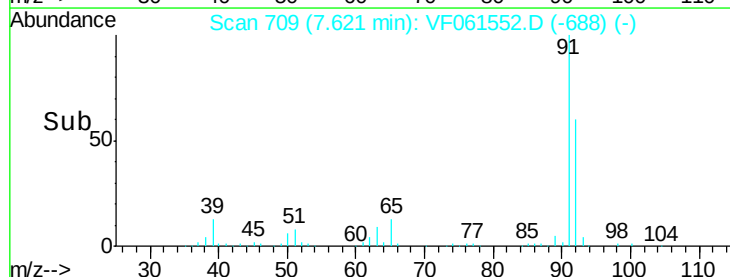
150000

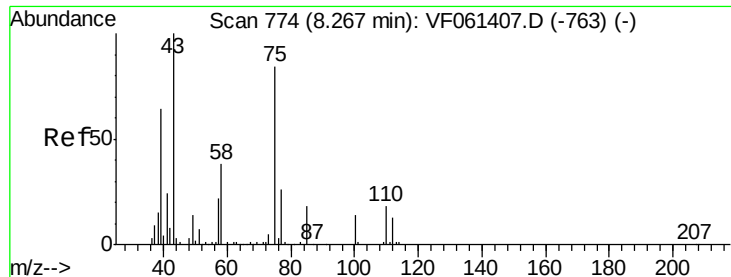
100000

50000

0

Time--> 7.50 7.60 7.70





#53

t-1,3-Dichloropropene

Concen: 46.633 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 75 Resp: 121416

Ion Ratio Lower Upper

75 100

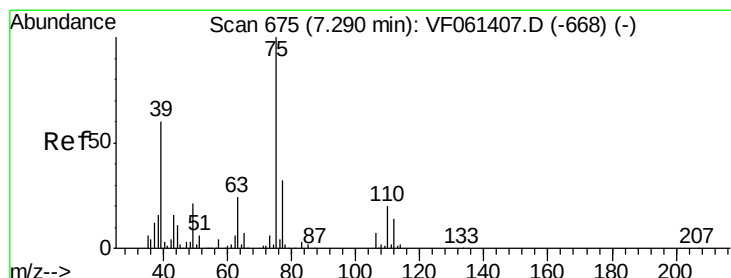
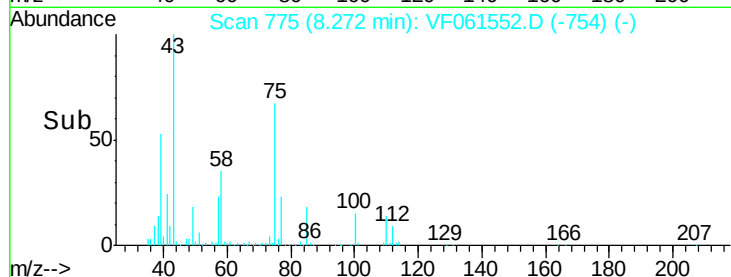
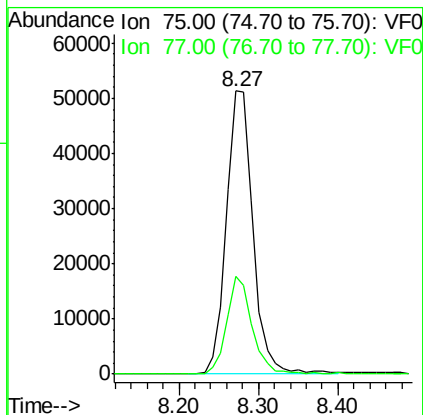
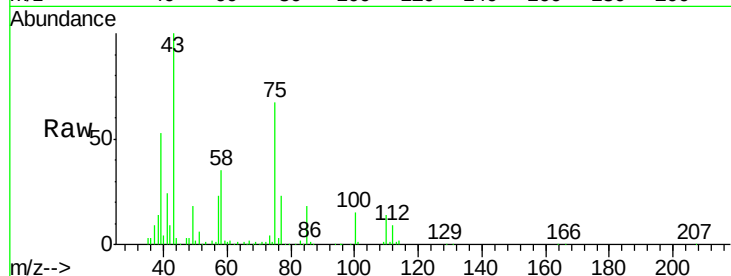
77 34.3 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.616 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

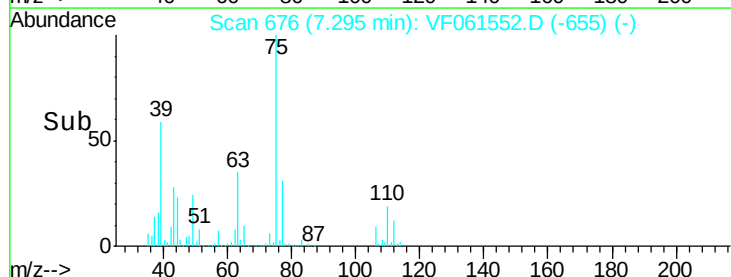
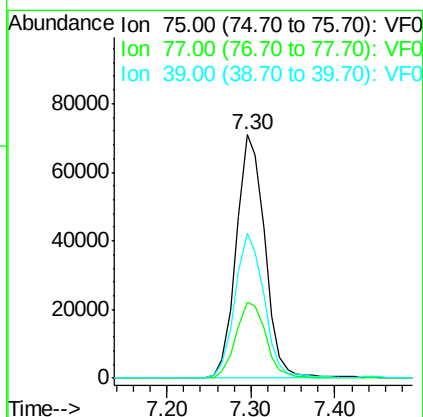
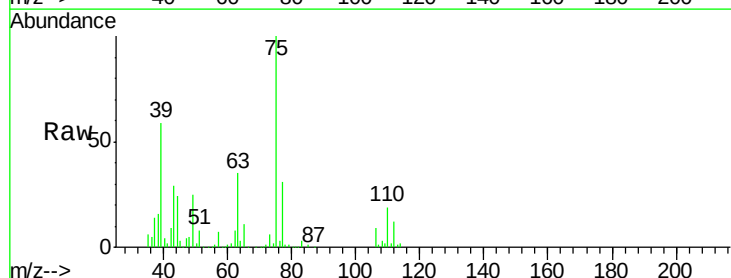
Tgt Ion: 75 Resp: 167983

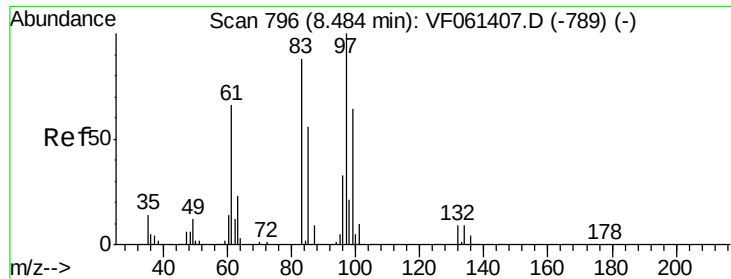
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 59.4 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 51.836 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

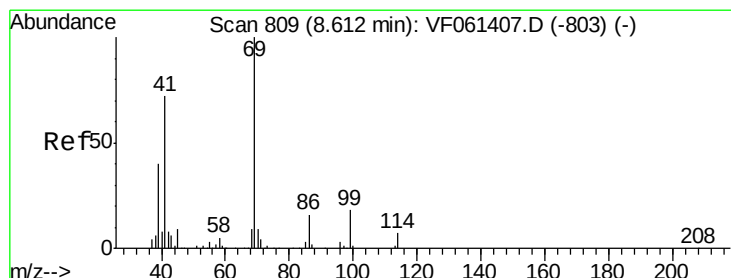
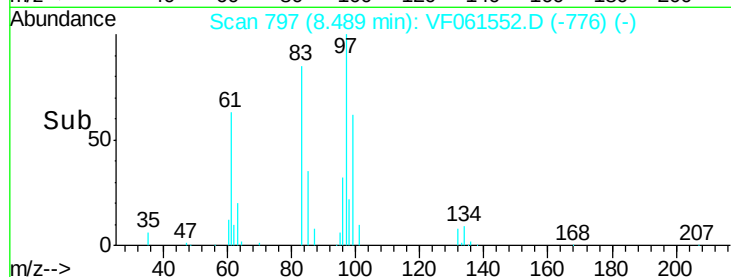
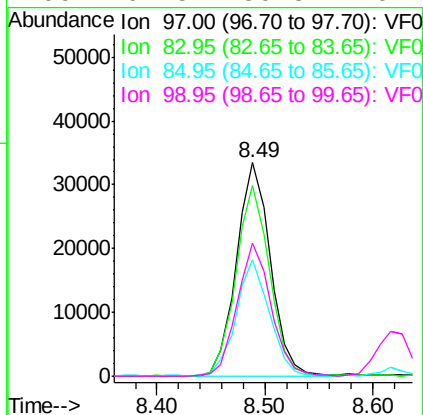
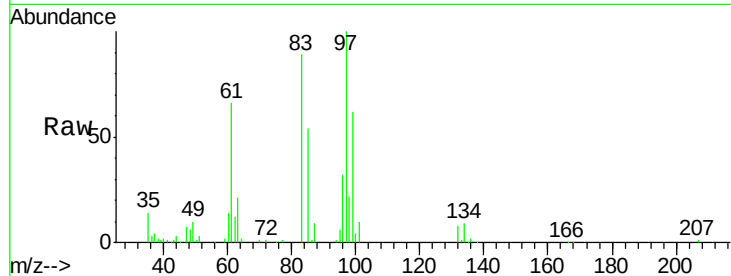
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:	97	Resp:	73611
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.4	105.6
85	54.4	44.7	67.1
99	62.5	50.8	76.2

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#56

Ethyl methacrylate

Concen: 50.172 ug/l

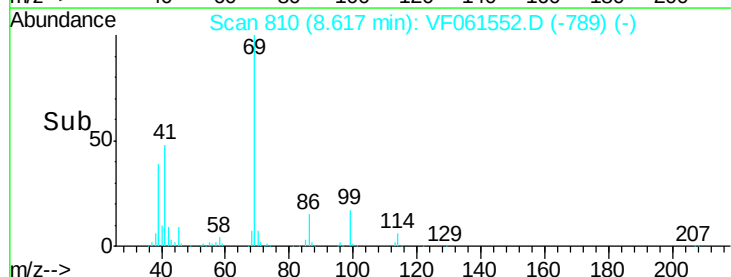
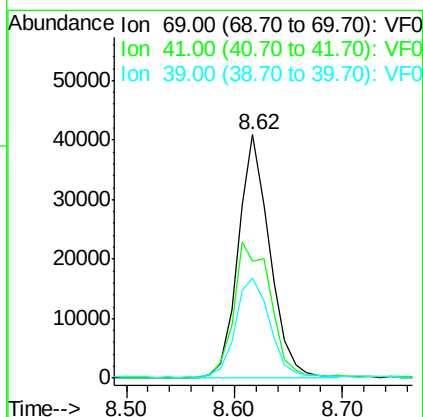
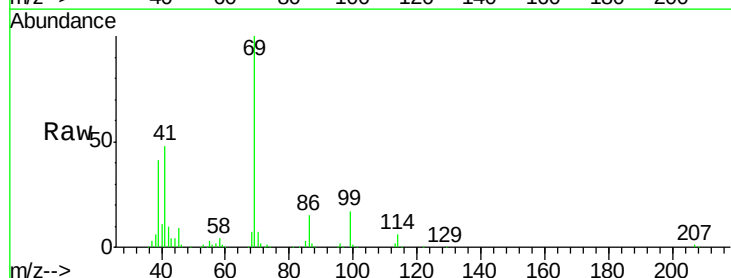
RT: 8.62 min Scan# 810

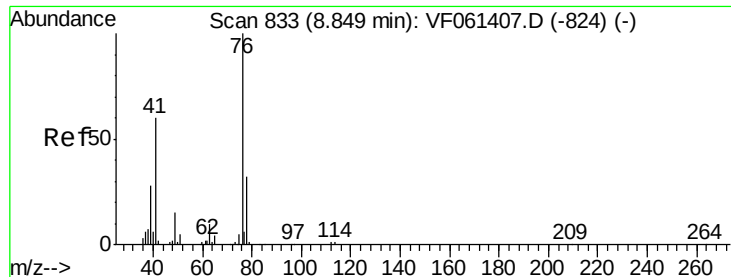
Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion:	69	Resp:	82893
Ion	Ratio	Lower	Upper
69	100		
41	48.2	57.5	86.3#
39	41.2	32.0	48.0





#57

1,3-Dichloropropane

Concen: 49.635 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 76 Resp: 132117

Ion Ratio Lower Upper

76 100

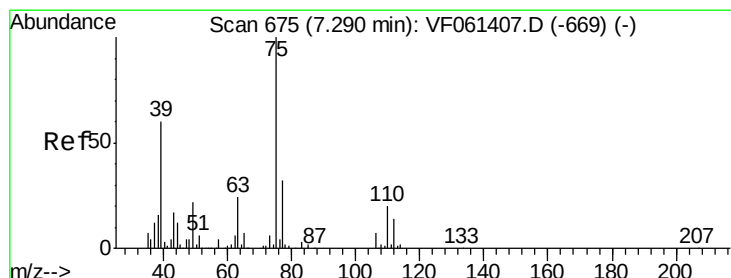
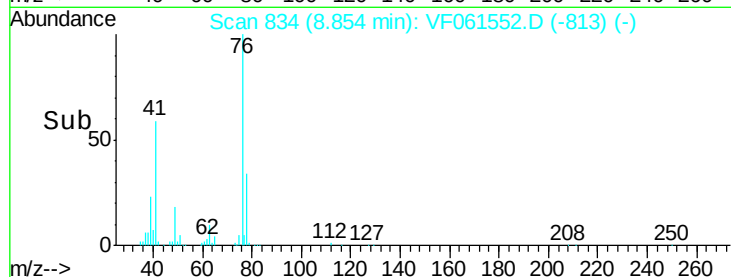
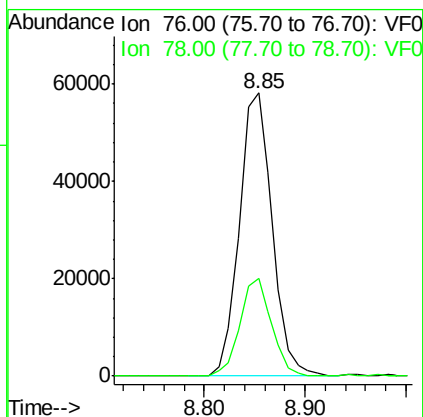
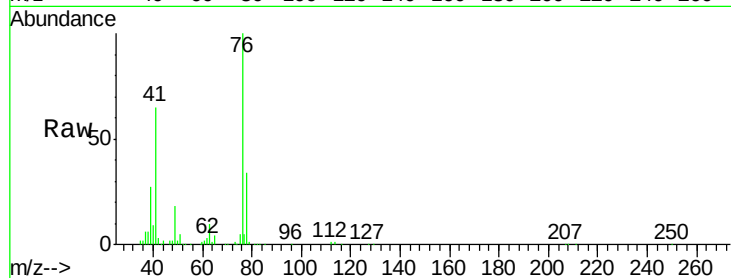
78 34.5 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 313.610 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061552.D

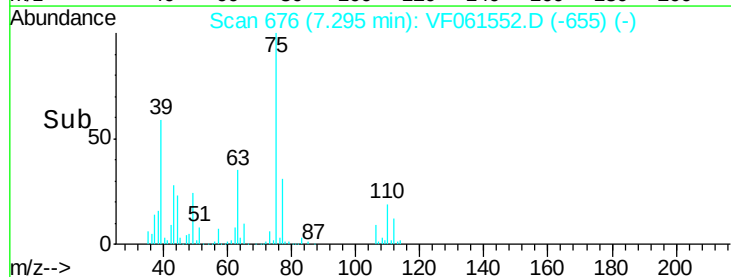
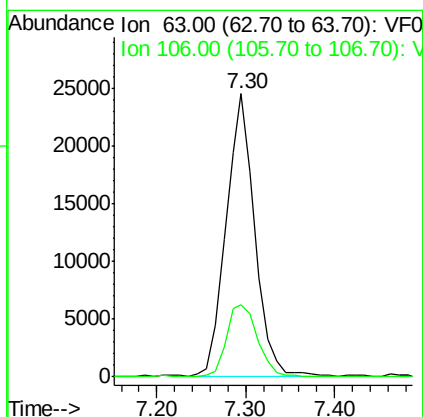
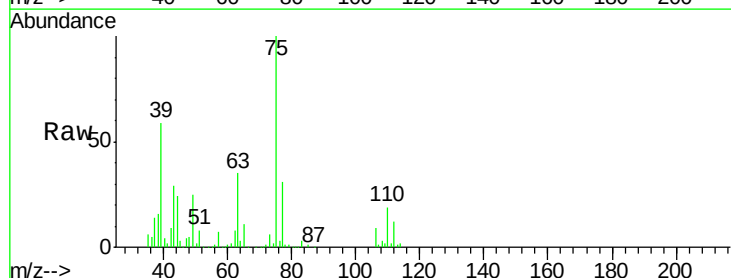
Acq: 7 Feb 2019 18:39

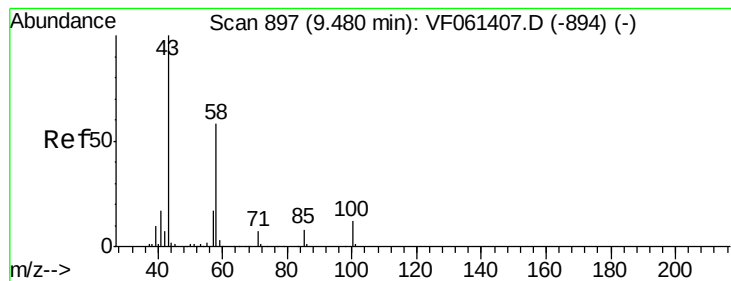
Tgt Ion: 63 Resp: 55696

Ion Ratio Lower Upper

63 100

106 25.7 21.9 32.9





#59

2-Hexanone

Concen: 263.719 ug/l

RT: 9.48 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 43 Resp: 231467

Ion Ratio Lower Upper

43 100

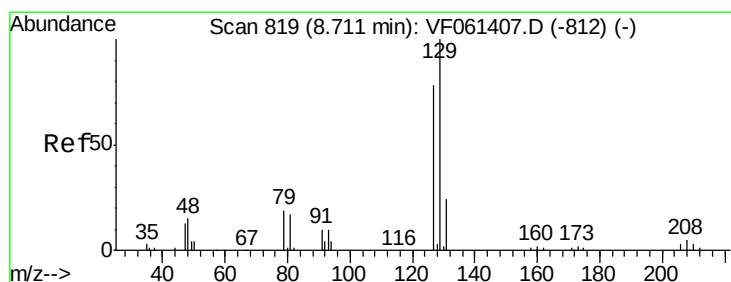
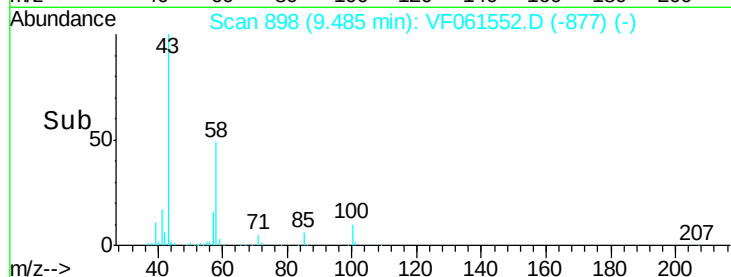
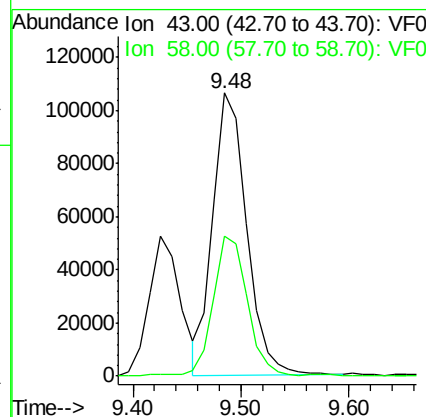
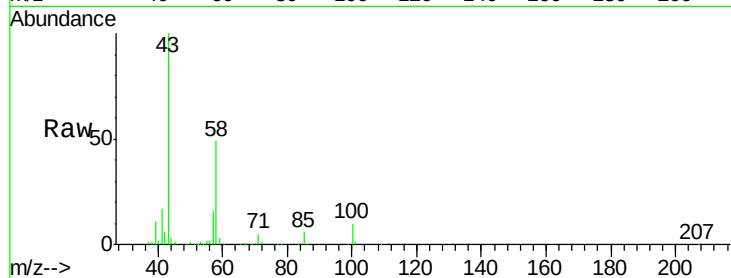
58 49.3 25.9 77.6

Manual Integrations

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#60

Dibromochloromethane

Concen: 49.896 ug/l

RT: 8.72 min Scan# 820

Delta R.T. 0.01 min

Lab File: VF061552.D

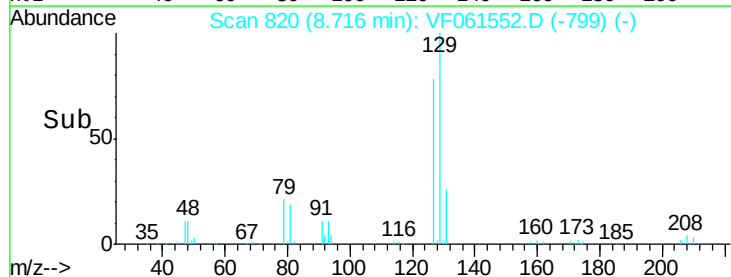
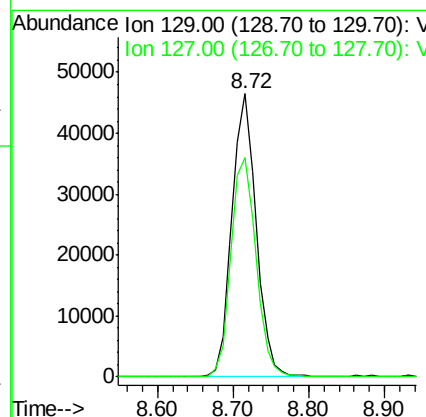
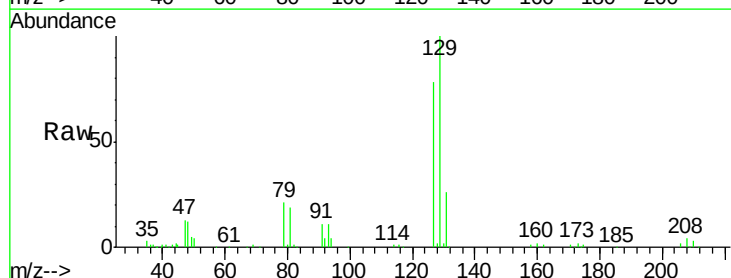
Acq: 7 Feb 2019 18:39

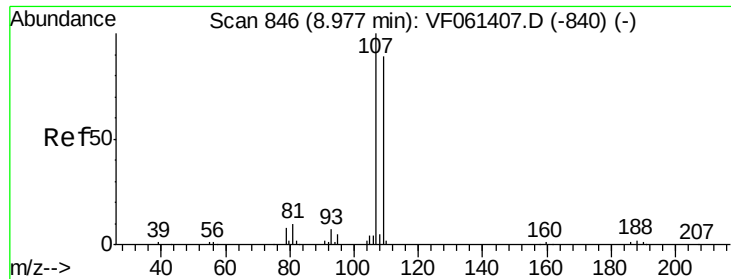
Tgt Ion: 129 Resp: 103588

Ion Ratio Lower Upper

129 100

127 77.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 48.538 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:107 Resp: 78908

Ion Ratio Lower Upper

107 100

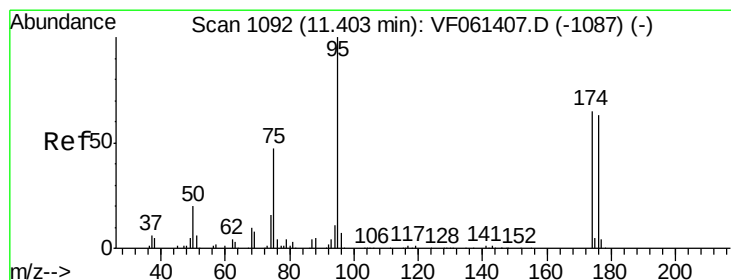
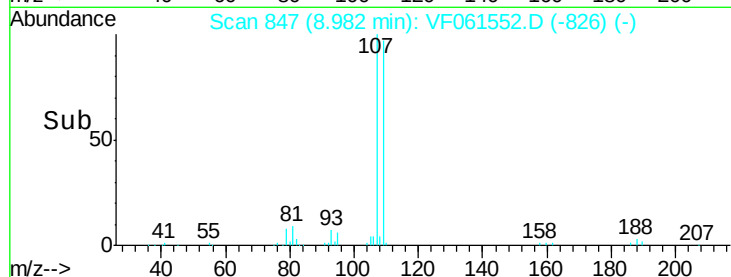
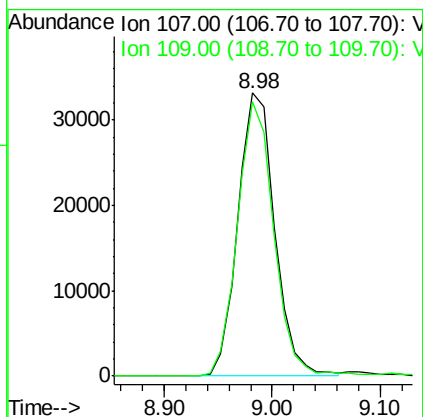
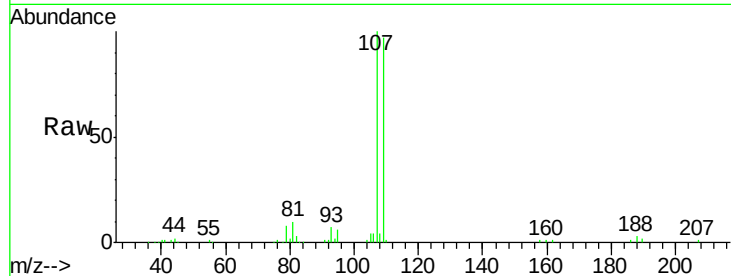
109 97.2 70.8 106.2

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#62

4-Bromofluorobenzene

Concen: 41.203 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

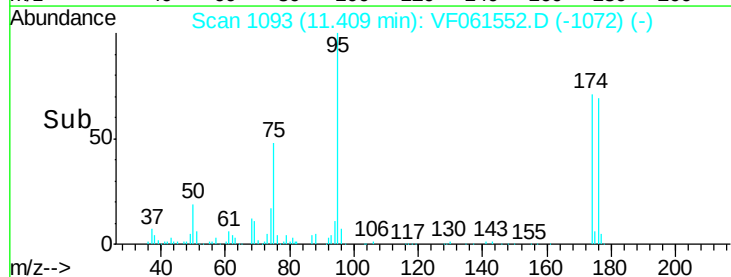
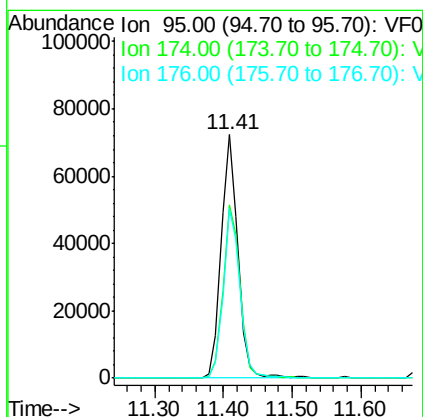
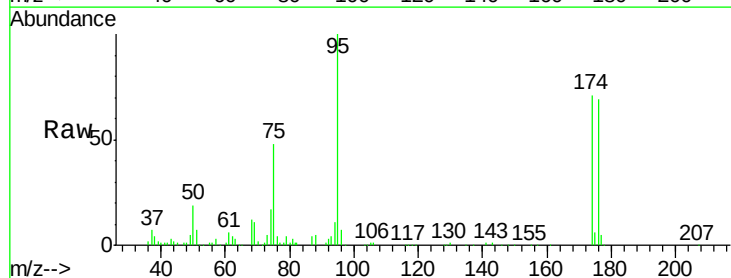
Tgt Ion: 95 Resp: 122503

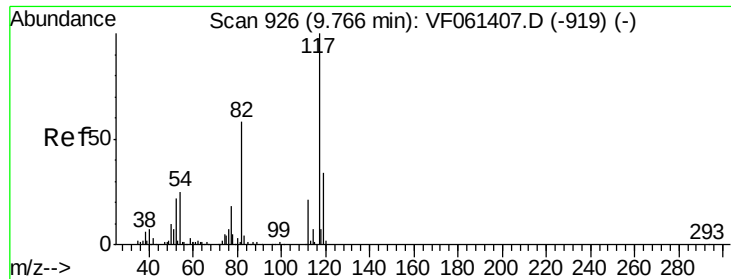
Ion Ratio Lower Upper

95 100

174 71.1 0.0 130.4

176 69.4 0.0 126.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

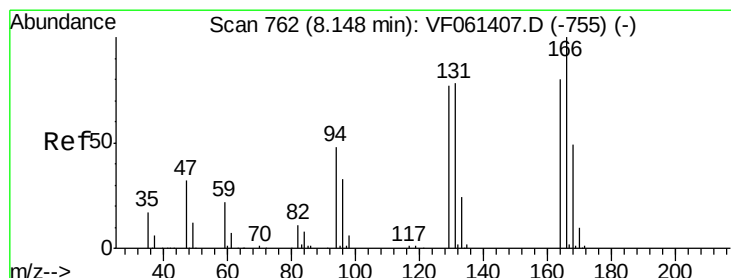
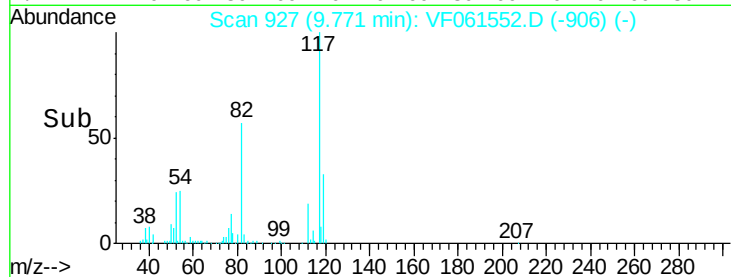
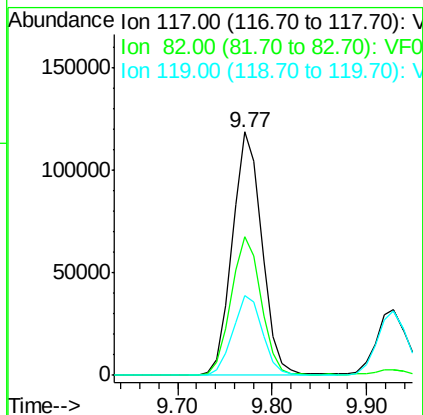
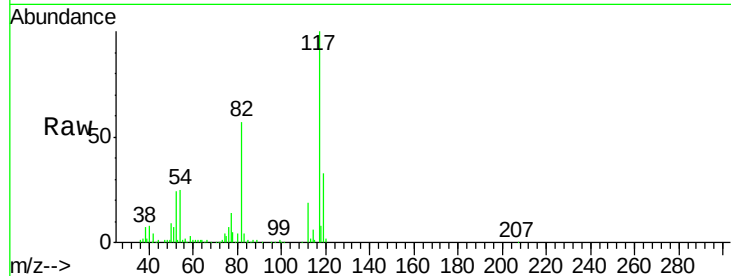
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:	117	Resp:	258320
Ion Ratio	Lower	Upper	
117	100		
82	56.7	46.4	69.6
119	32.6	27.2	40.8

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#64

Tetrachloroethene

Concen: 46.476 ug/l

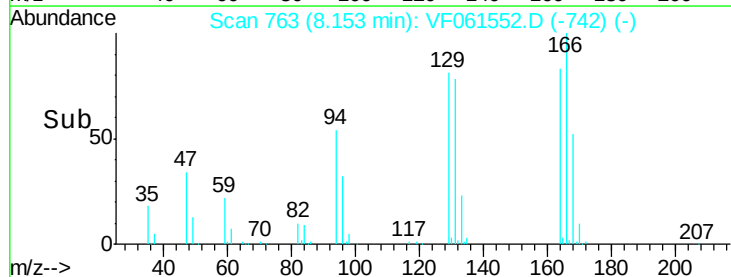
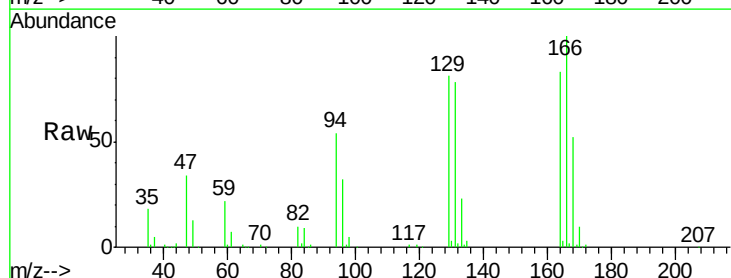
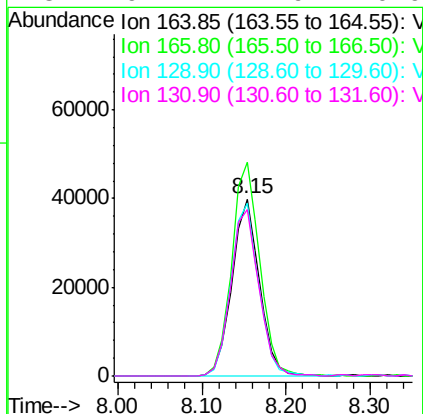
RT: 8.15 min Scan# 763

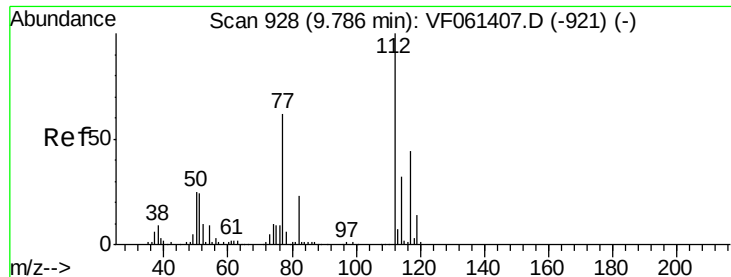
Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion:	164	Resp:	90284
Ion Ratio	Lower	Upper	
164	100		
166	120.8	99.6	149.4
129	97.9	76.4	114.6
131	94.2	77.9	116.9





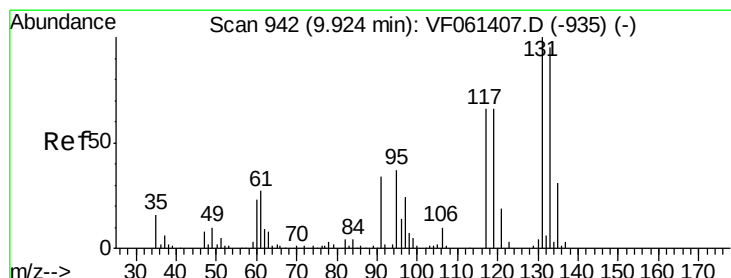
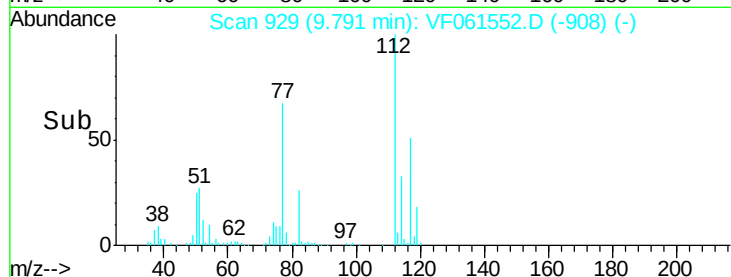
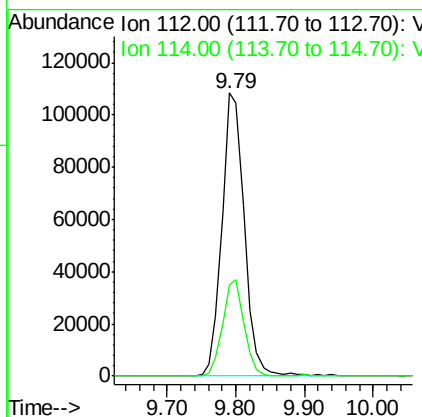
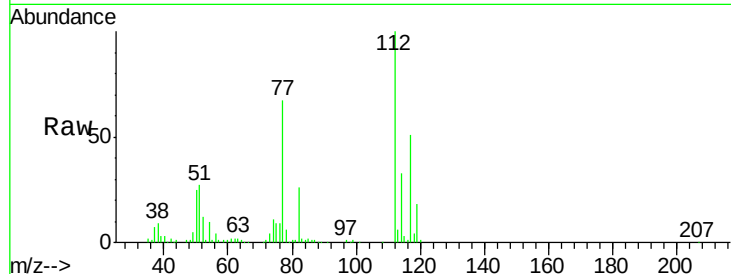
#65
Chlorobenzene
Concen: 46.760 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

Tot Ion:112 Resp: 245637
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

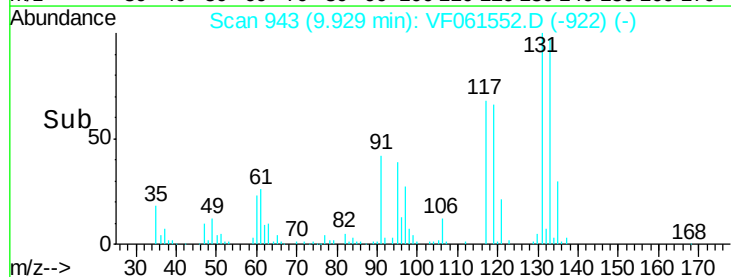
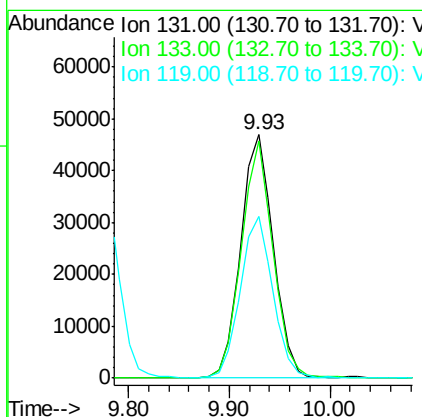
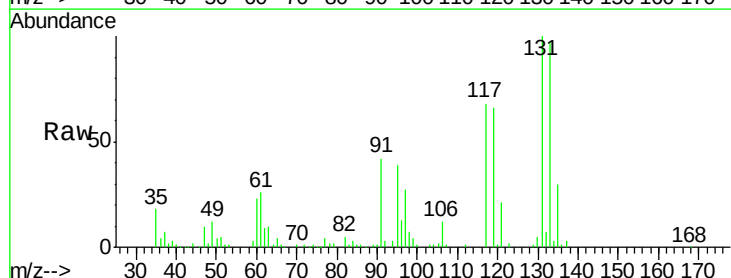
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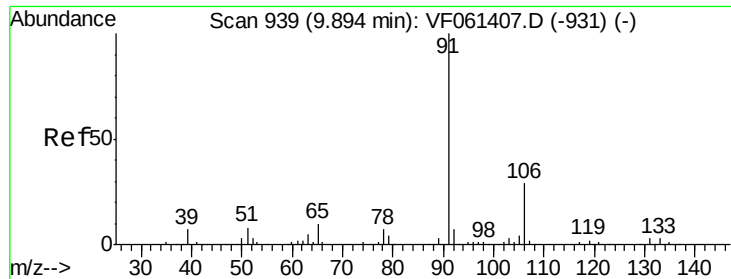
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.571 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion:131 Resp: 105828
Ion Ratio Lower Upper
131 100
133 97.5 47.4 142.2
119 66.5 33.1 99.3





#67

Ethyl Benzene

Concen: 48.115 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 91 Resp: 461796

Ion Ratio Lower Upper

91 100

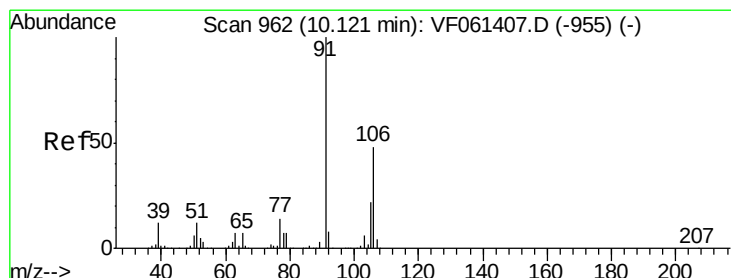
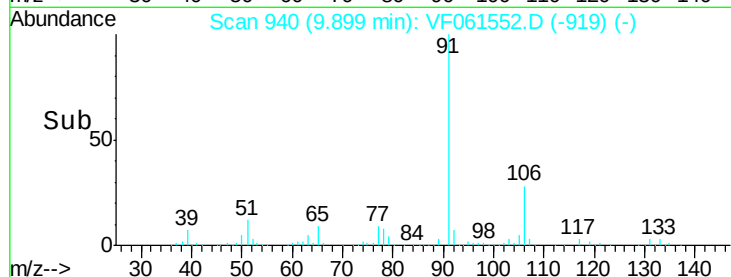
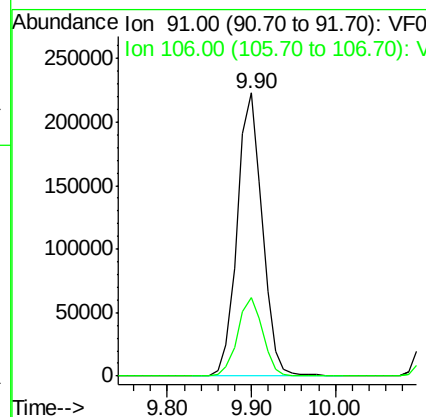
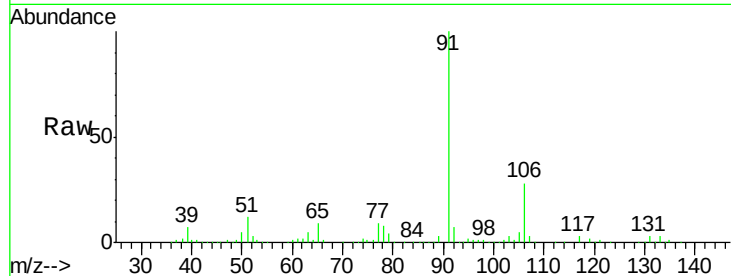
106 27.6 23.1 34.7

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#68

m/p-Xylenes

Concen: 89.543 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061552.D

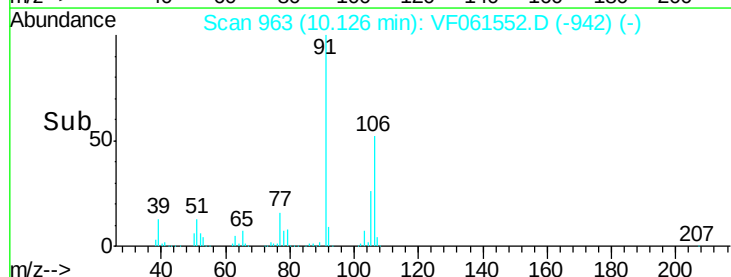
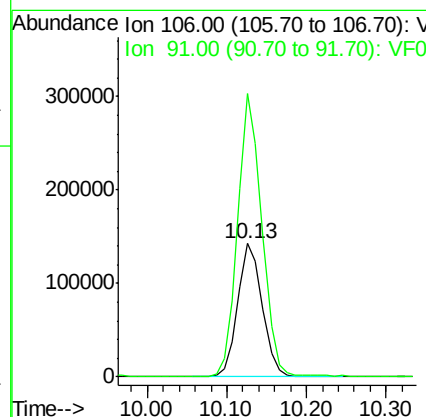
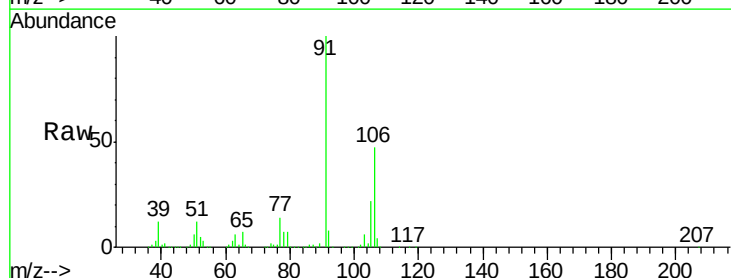
Acq: 7 Feb 2019 18:39

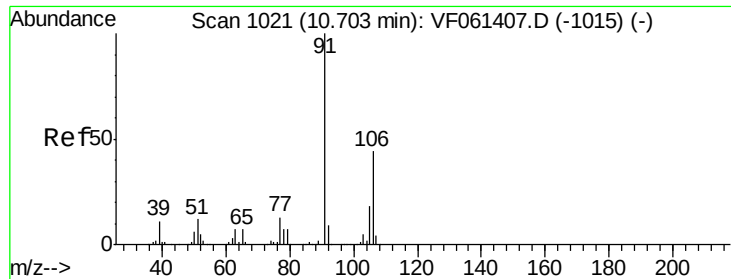
Tgt Ion: 106 Resp: 309099

Ion Ratio Lower Upper

106 100

91 212.1 166.2 249.4





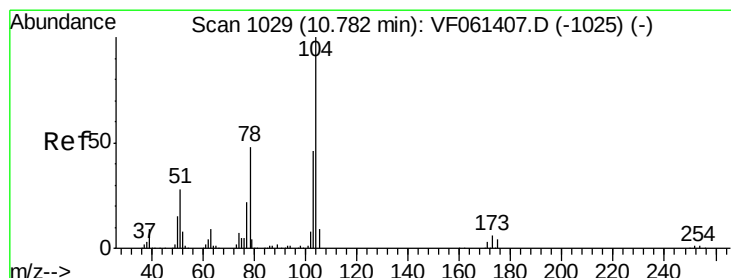
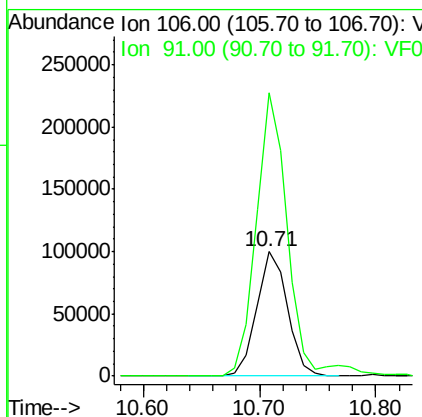
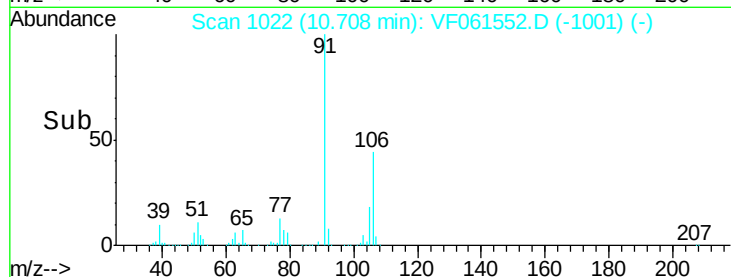
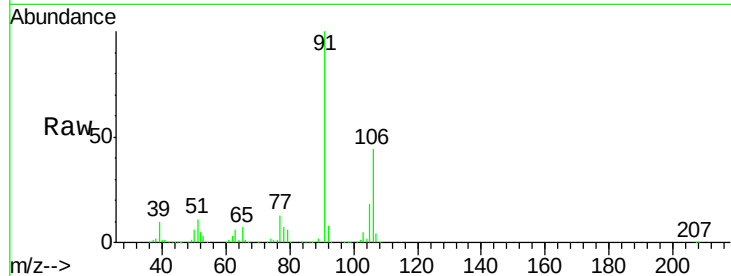
#69
o-Xylene
Concen: 48.815 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		182633		
91	227.6	113.3	339.8		

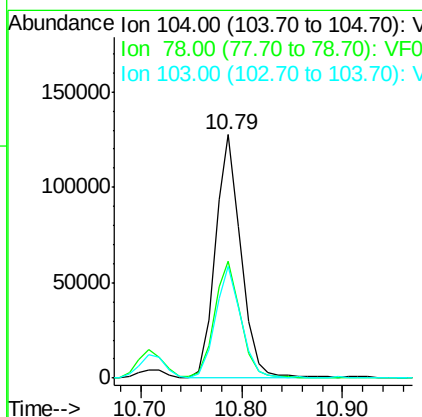
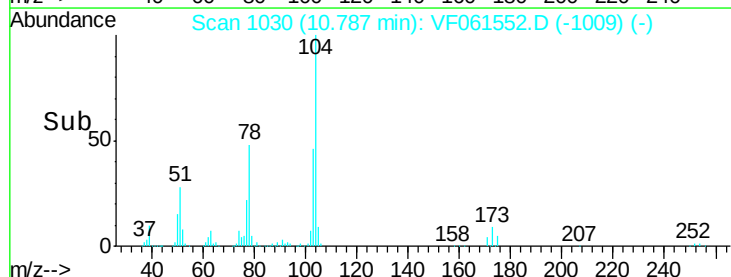
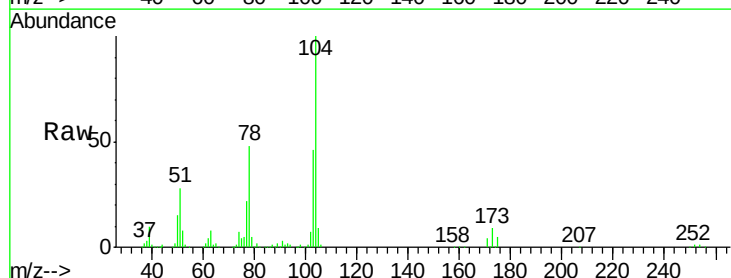
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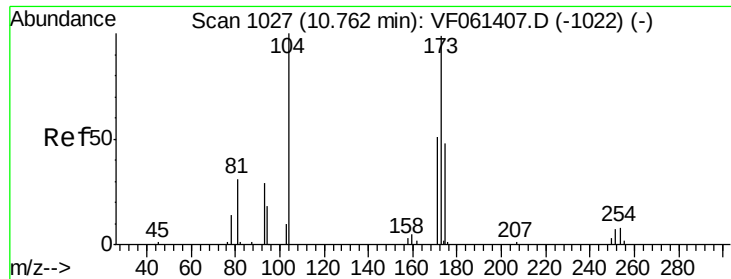
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#70
Styrene
Concen: 43.609 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		223333		
78	48.2	38.8	58.2		
103	45.8	37.0	55.6		





#71

Bromoform

Concen: 57.673 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:173 Resp: 54227

Ion Ratio Lower Upper

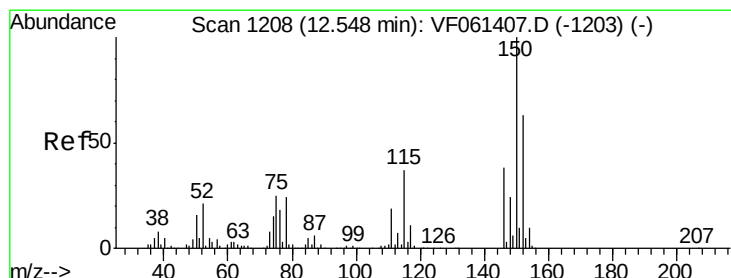
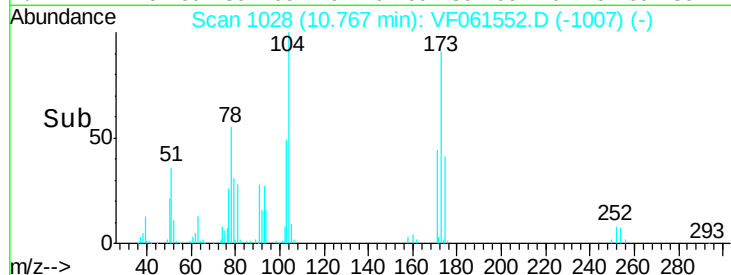
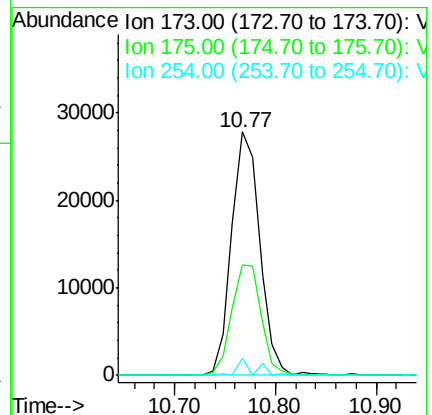
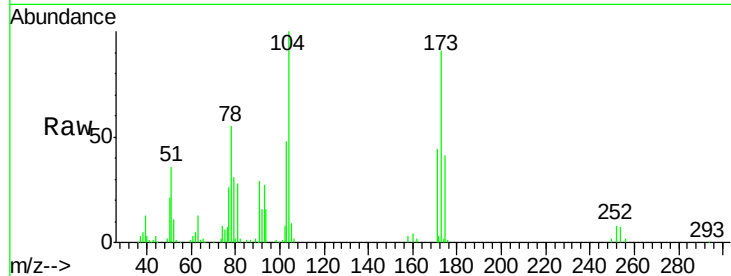
173 100

175 45.4 24.1 72.4

254 7.2 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

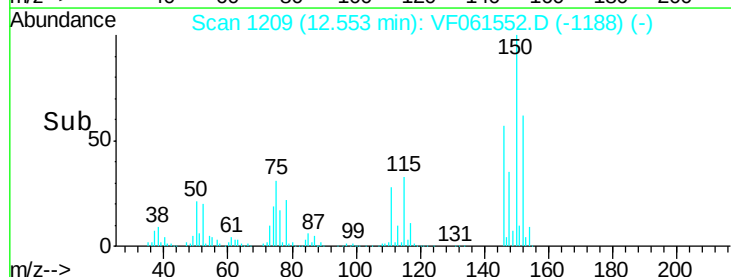
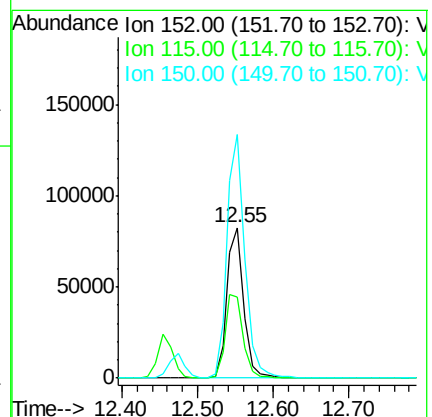
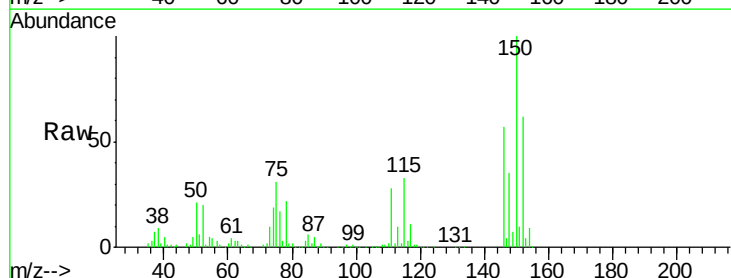
Tgt Ion:152 Resp: 128700

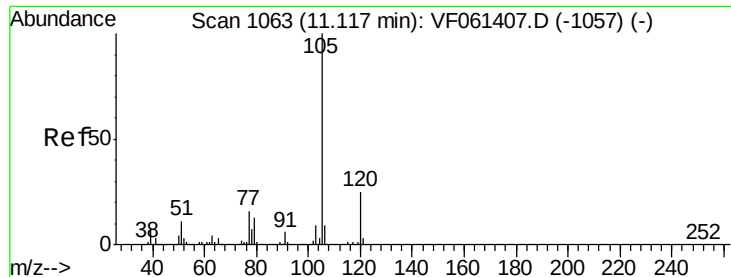
Ion Ratio Lower Upper

152 100

115 53.7 30.0 90.0

150 161.5 0.0 321.4





#73

Isopropylbenzene

Concen: 48.163 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:105 Resp: 504139

Ion Ratio Lower Upper

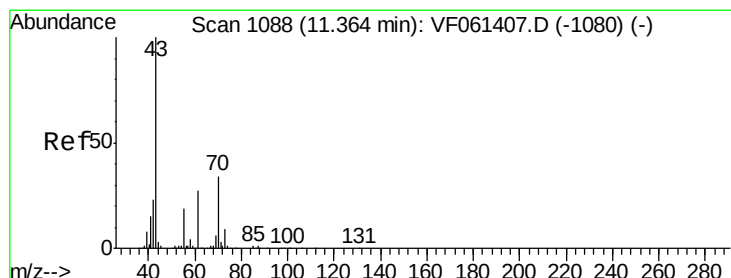
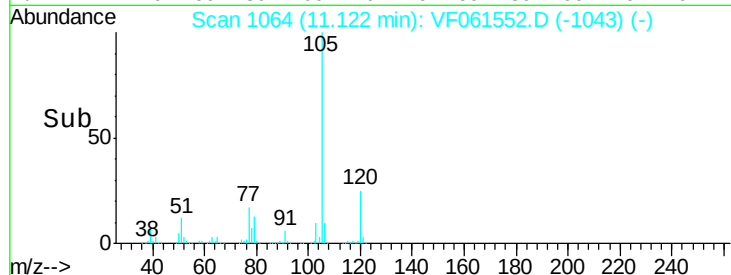
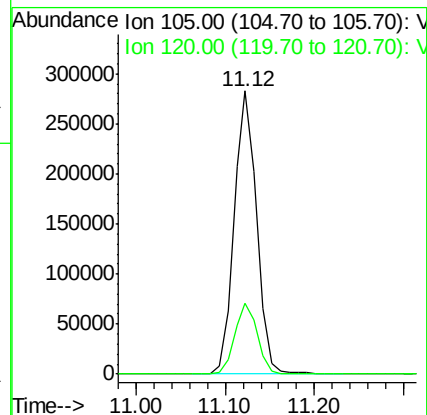
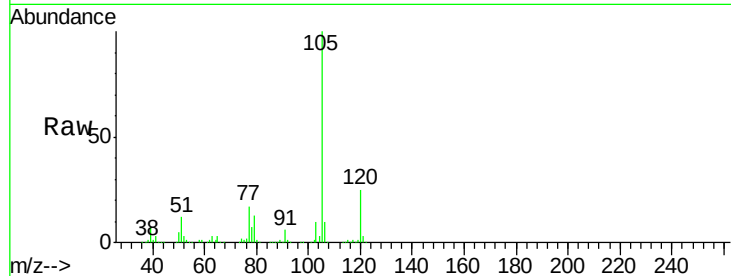
105 100

120 25.2 12.6 37.8

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#74

N-ethyl acetate

Concen: 54.264 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion: 43 Resp: 134313

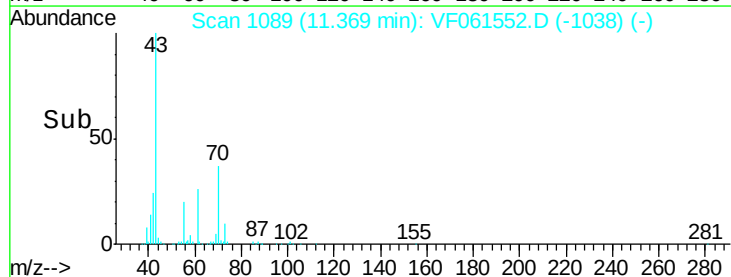
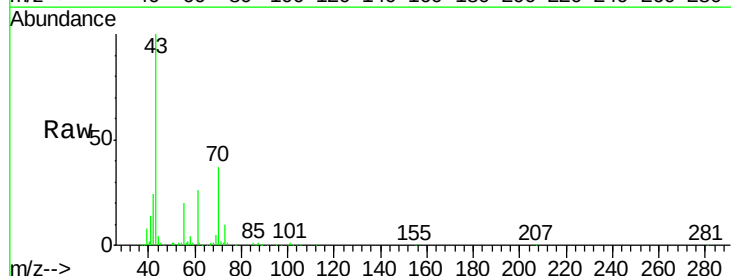
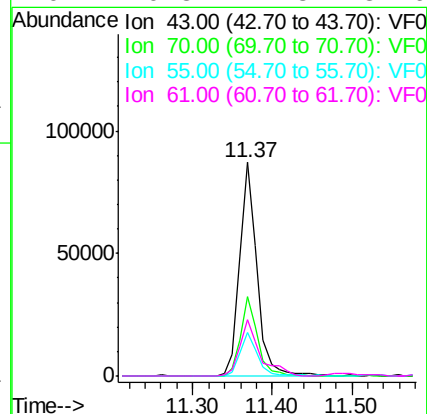
Ion Ratio Lower Upper

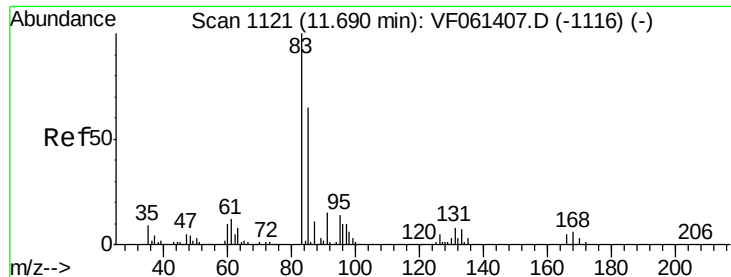
43 100

70 37.1 27.6 41.4

55 20.3 15.4 23.2

61 26.3 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.100 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

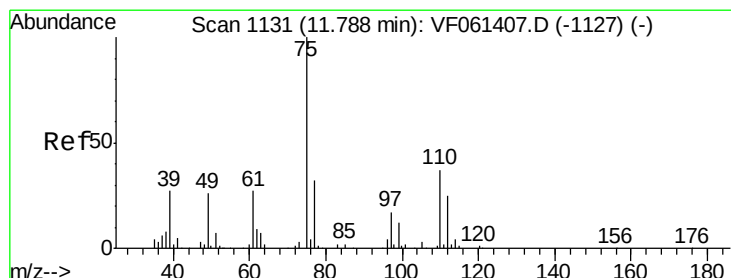
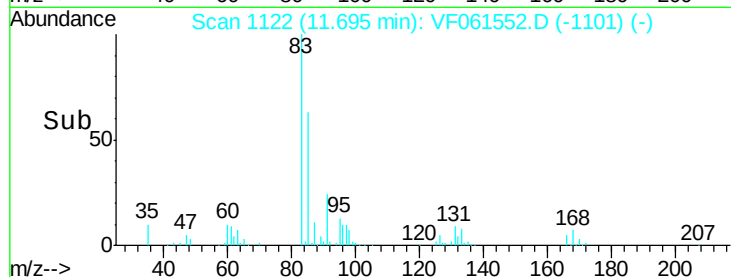
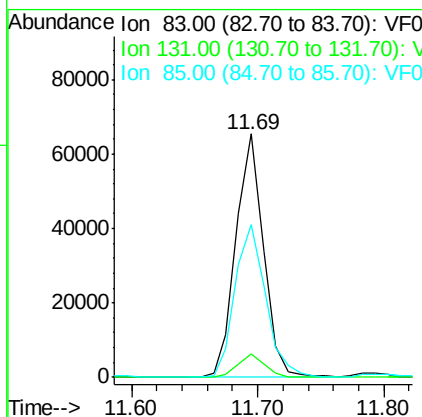
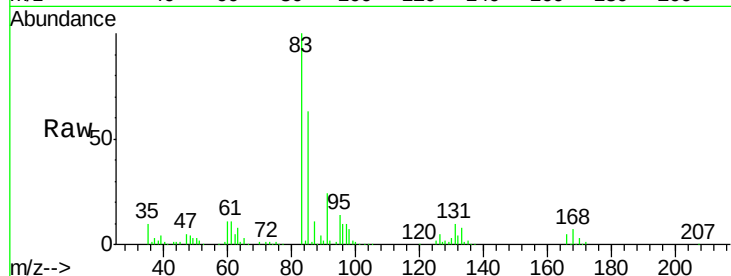
ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion	83	Resp	99018
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.0	12.2
85	62.8	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 51.789 ug/l

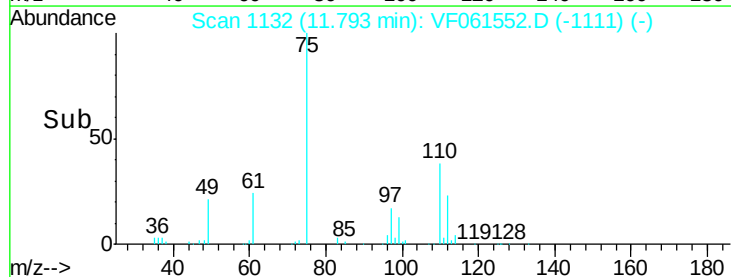
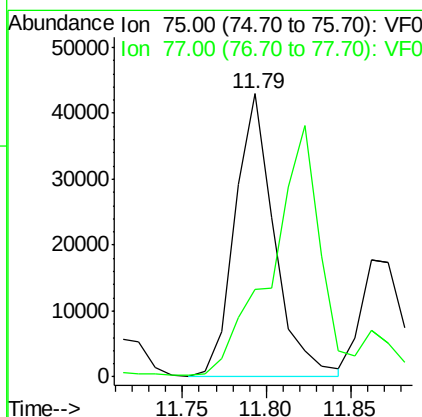
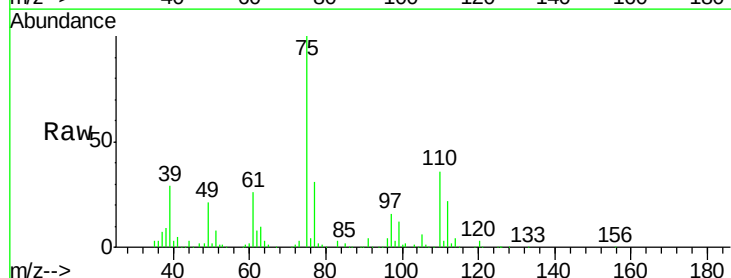
RT: 11.79 min Scan# 1132

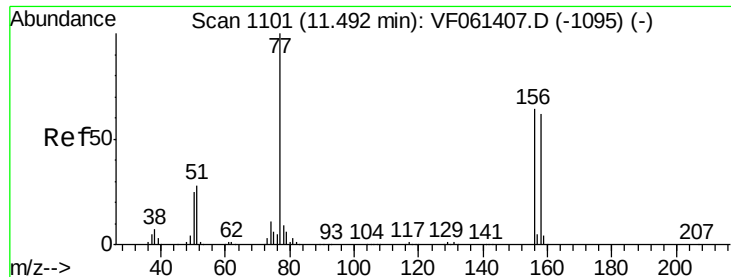
Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion	75	Resp	69392
Ion	Ratio	Lower	Upper
75	100		
77	30.9	16.1	48.3





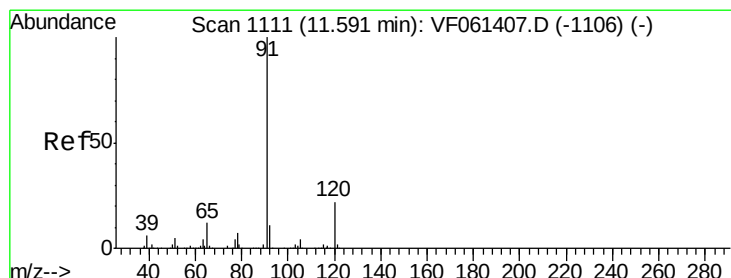
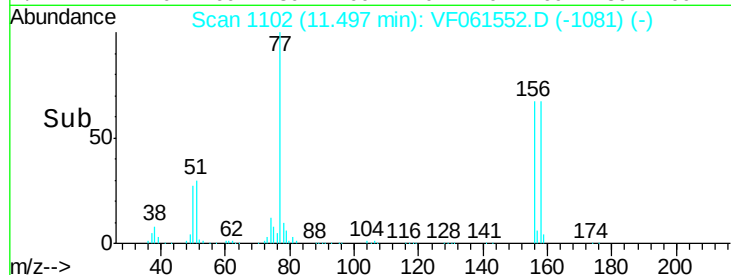
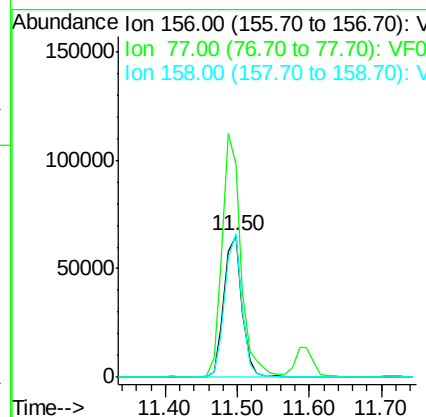
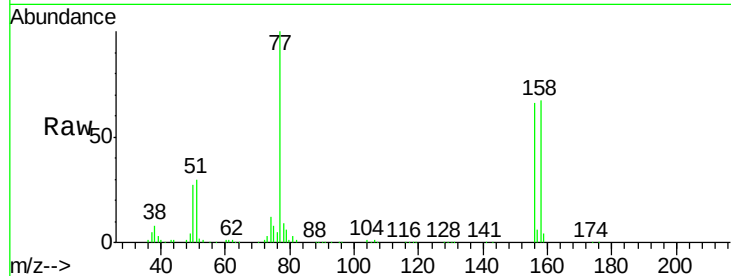
#77
Bromobenzene
Concen: 51.251 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.5	78.3	234.9
158	101.5	48.9	146.7

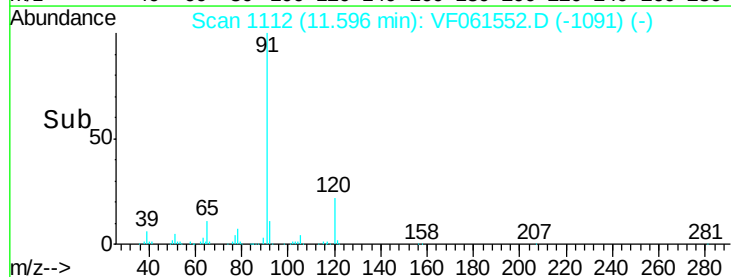
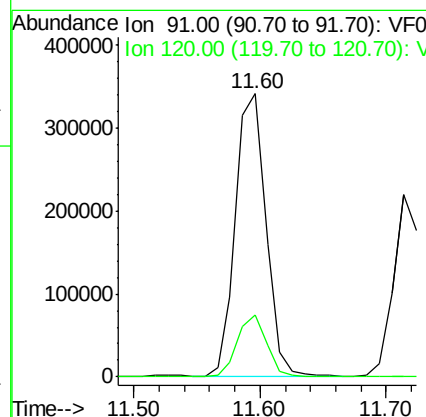
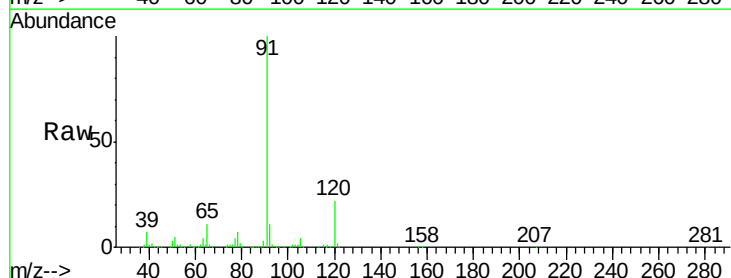
Manual Integrations
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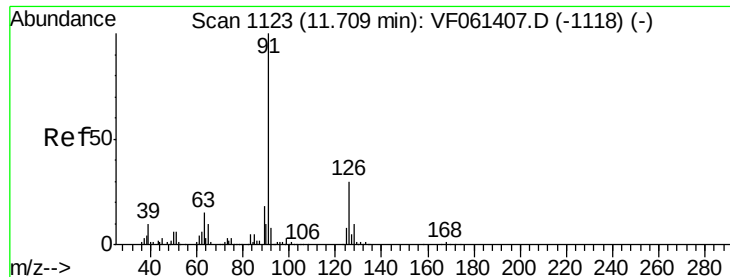
MMDadoda
2/11/2019 12:36:27 PM



#78
n-propylbenzene
Concen: 44.251 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.6





#79

2-Chlorotoluene

Concen: 47.609 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion: 91 Resp: 345769

Ion Ratio Lower Upper

91 100

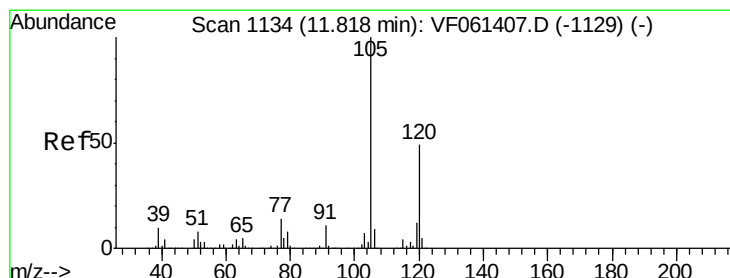
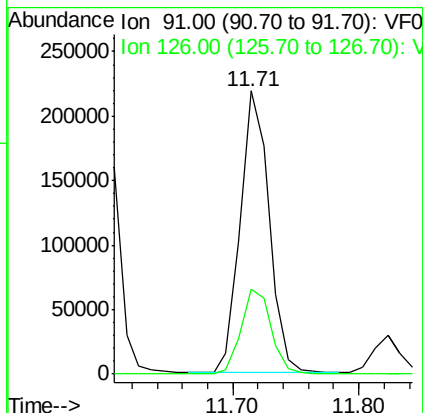
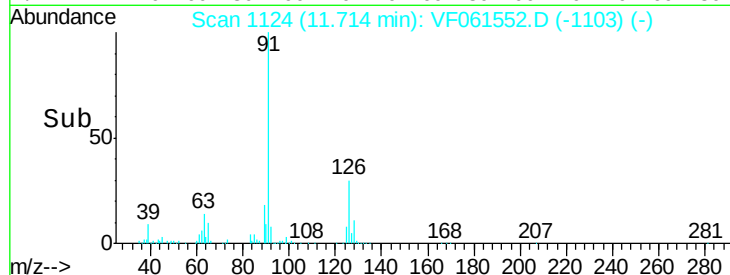
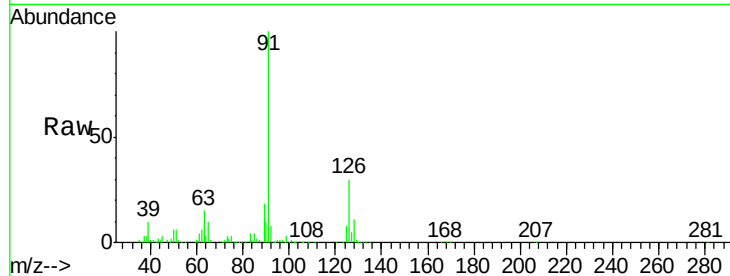
126 30.2 15.0 45.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.685 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF061552.D

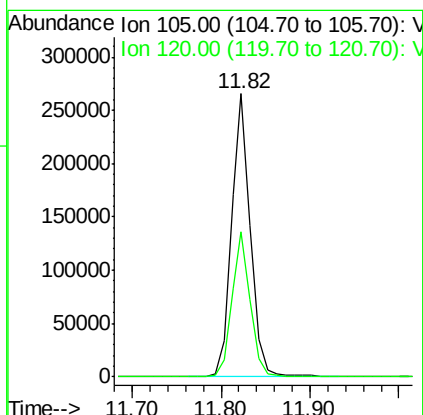
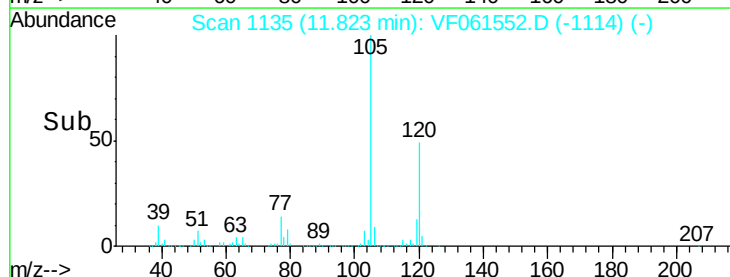
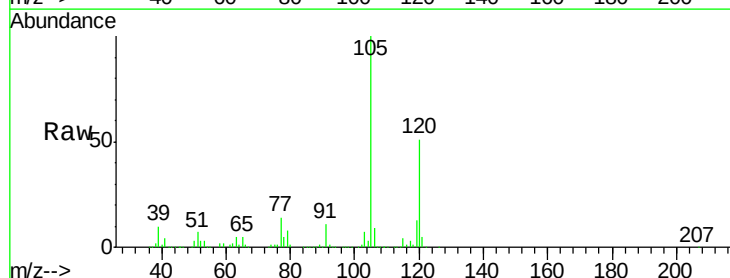
Acq: 7 Feb 2019 18:39

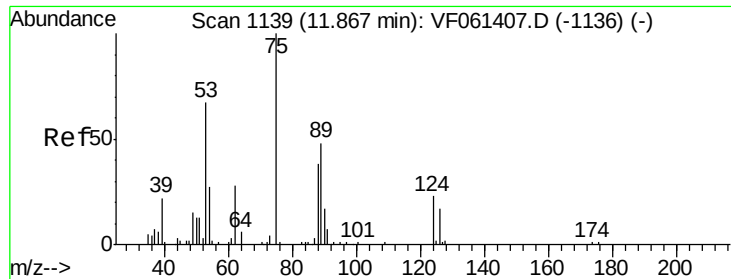
Tgt Ion: 105 Resp: 394365

Ion Ratio Lower Upper

105 100

120 51.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 49.325 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

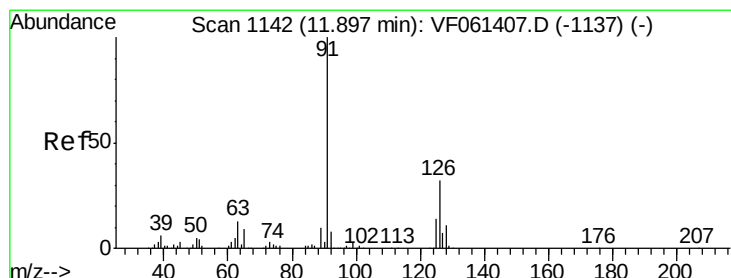
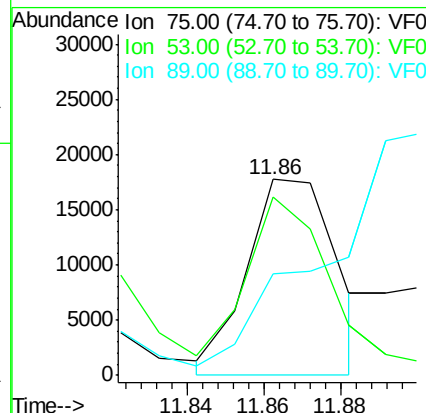
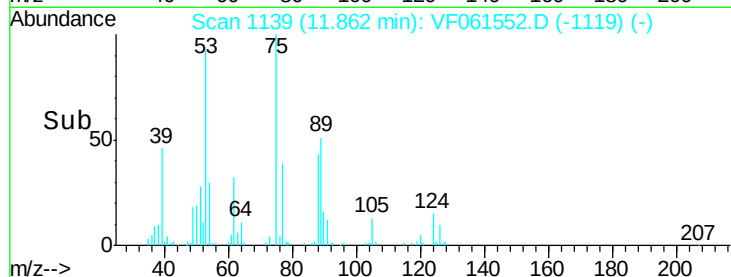
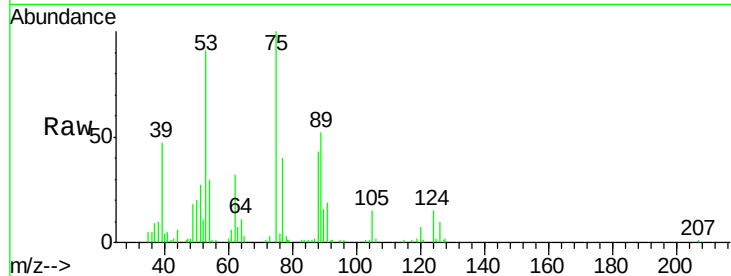
A0C12-SS1-7.5-8.0MS

Tot Ion: 75 Resp: 28730

Ion	Ratio	Lower	Upper
75	100		
53	90.9	57.8	86.6#
89	51.7	40.7	61.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.476 ug/l

RT: 11.90 min Scan# 1143

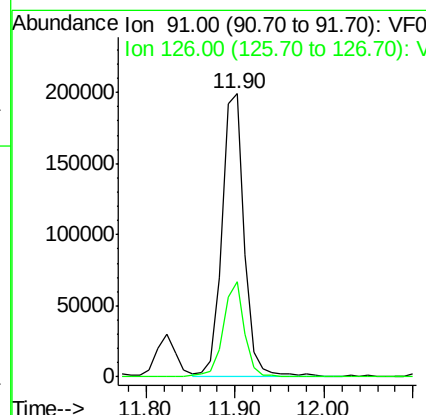
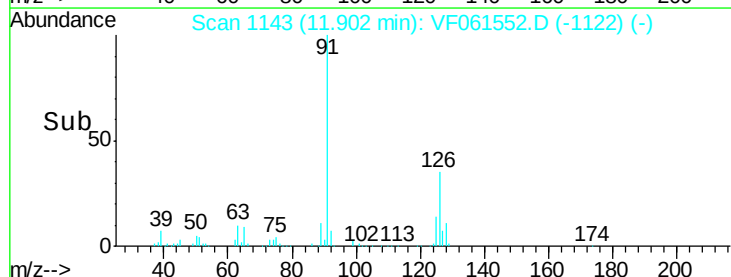
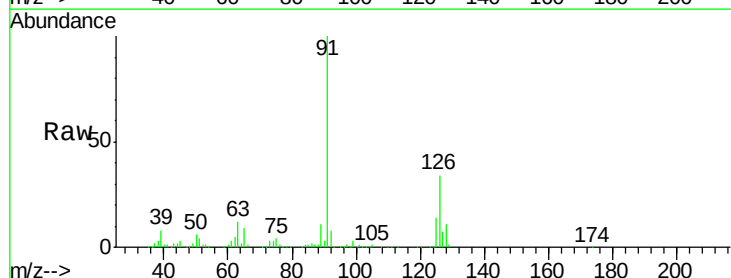
Delta R.T. 0.01 min

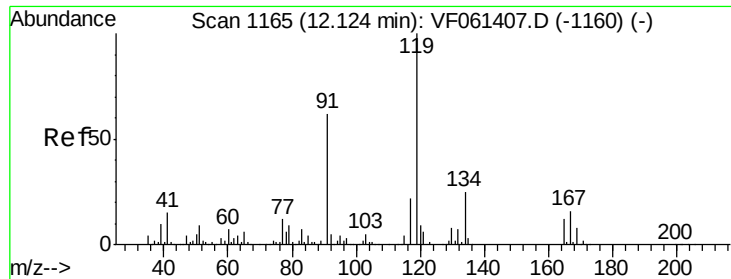
Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Tgt Ion: 91 Resp: 347943

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.0	47.9





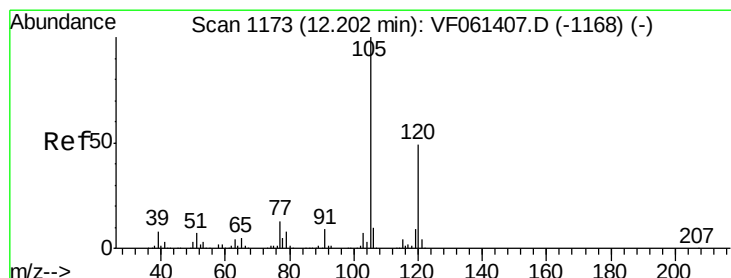
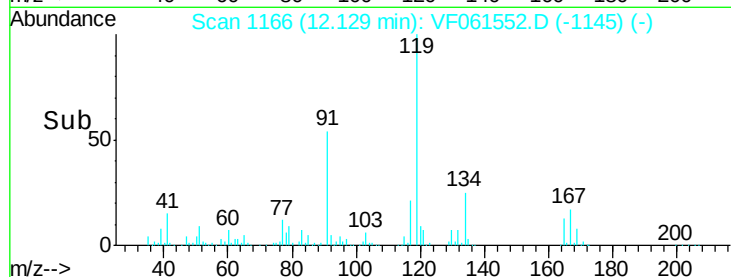
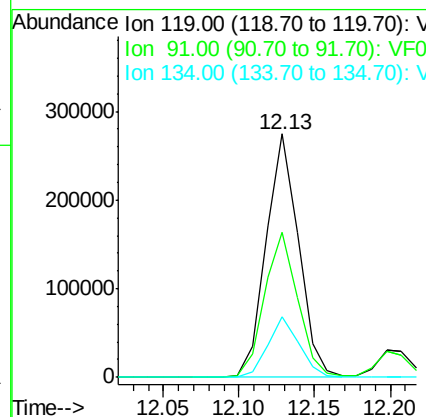
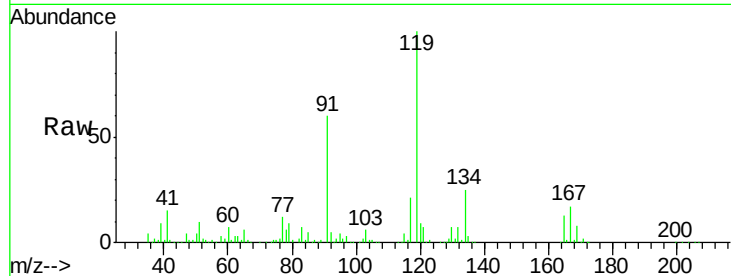
#83
 tert-Butylbenzene
 Concen: 47.067 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061552.D
 Acq: 7 Feb 2019 18:39

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	411513		
91	59.8	31.3	93.8	
134	24.9	12.4	37.0	

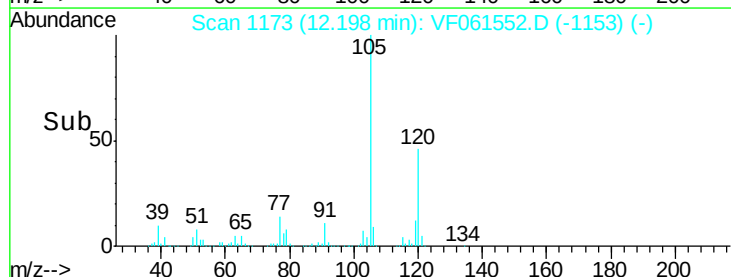
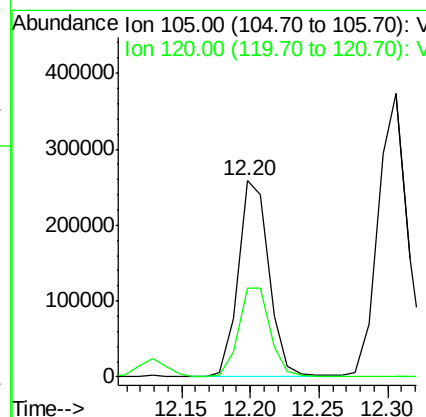
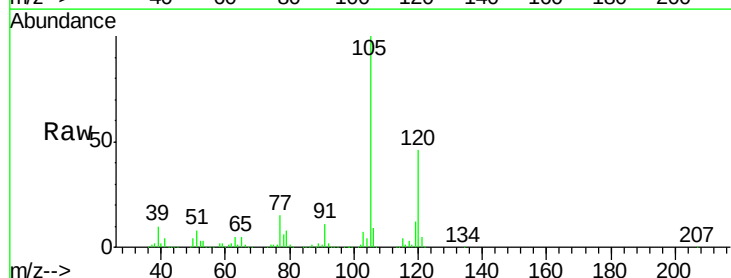
Manual Integrations
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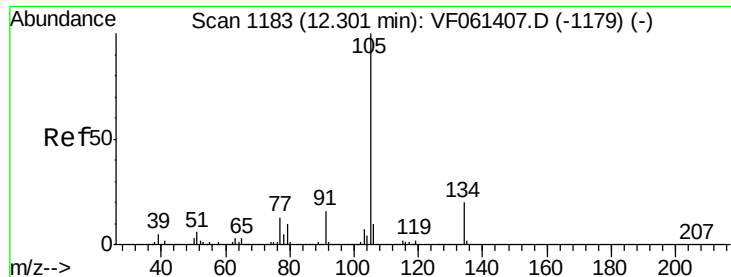
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.573 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VF061552.D
 Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	405244		
120	45.6	24.9	74.6	





#85

sec-Butylbenzene

Concen: 46.676 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

Instrument :

MSVOA_F

ClientSampleId :

A0C12-SS1-7.5-8.0MS

Tot Ion:105 Resp: 554209

Ion Ratio Lower Upper

105 100

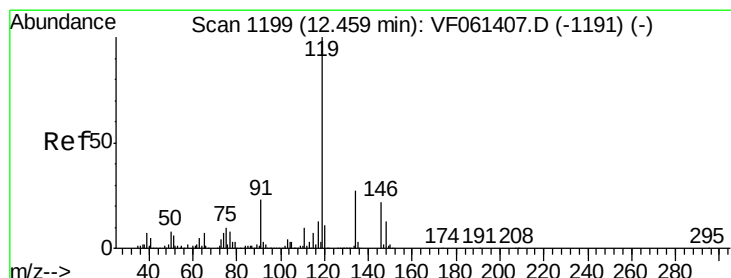
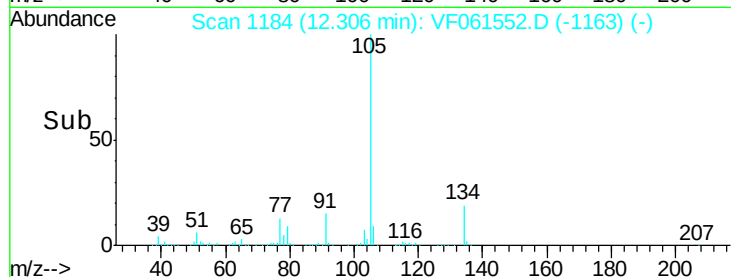
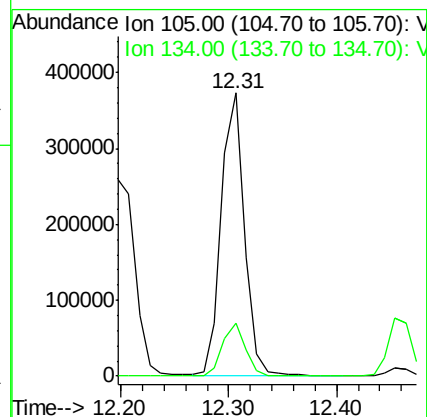
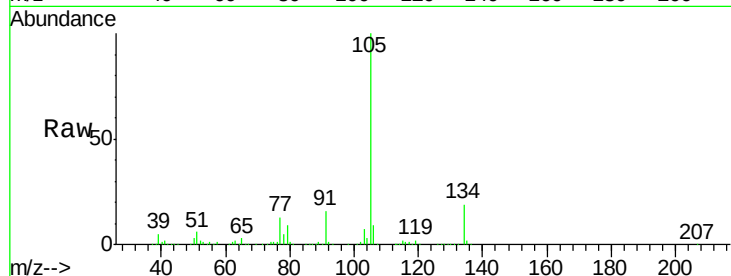
134 18.8 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.412 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061552.D

Acq: 7 Feb 2019 18:39

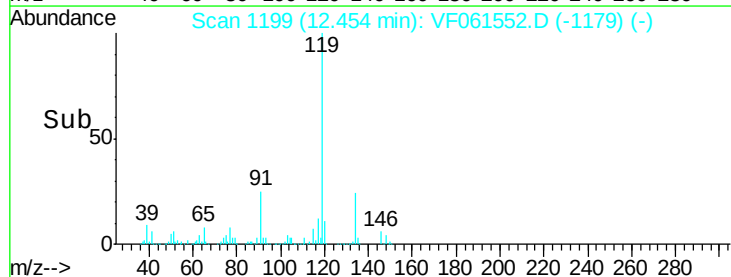
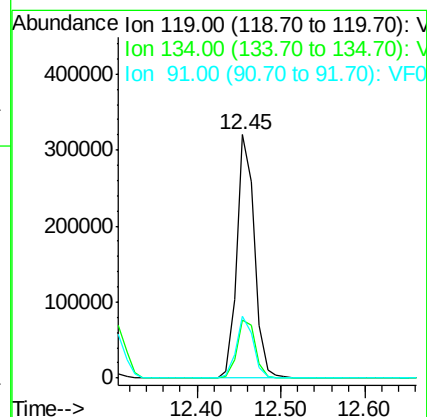
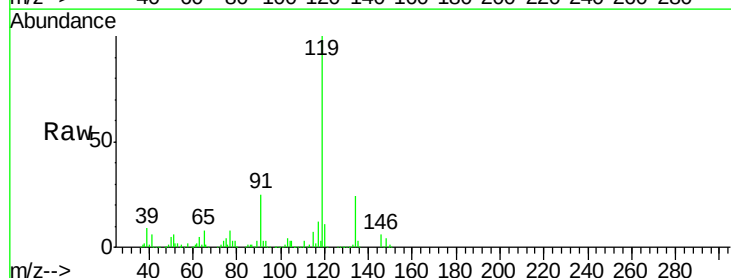
Tgt Ion:119 Resp: 462120

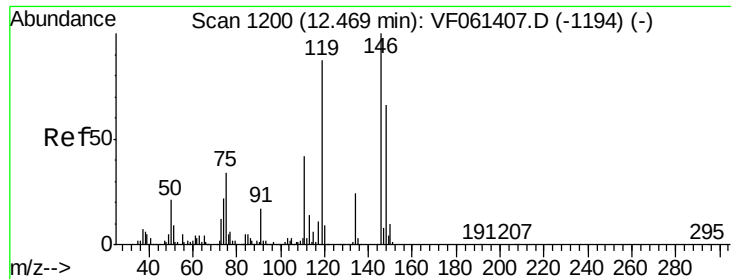
Ion Ratio Lower Upper

119 100

134 24.0 13.4 40.2

91 25.2 11.4 34.2





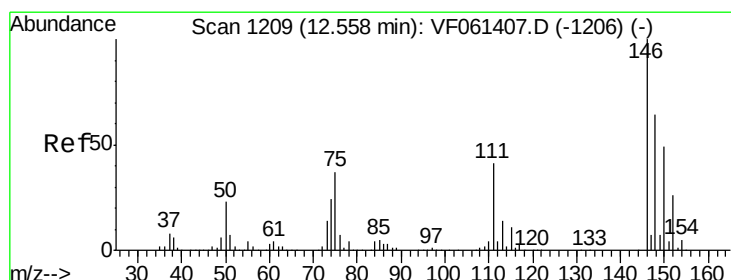
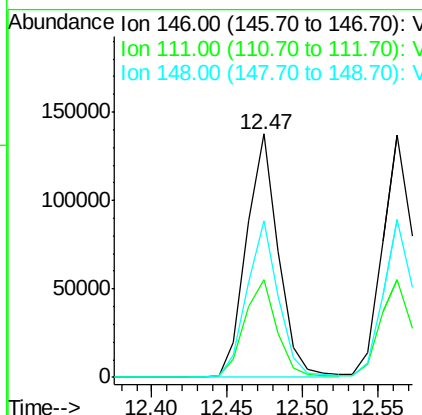
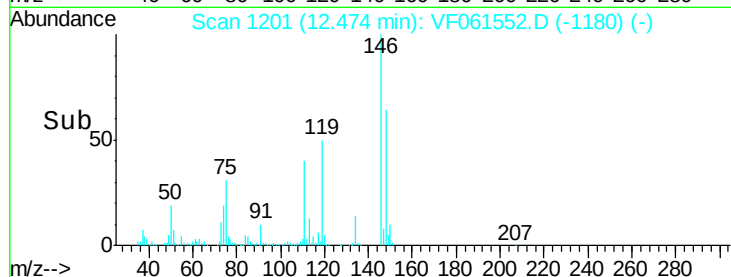
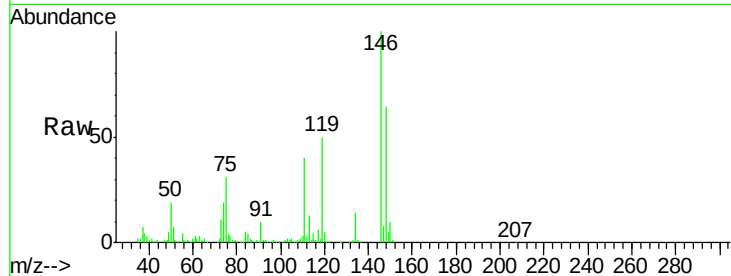
#87
 1,3-Dichlorobenzene
 Concen: 45.840 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061552.D
 Acq: 7 Feb 2019 18:39

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.1	63.4
148	64.5	32.9	98.6

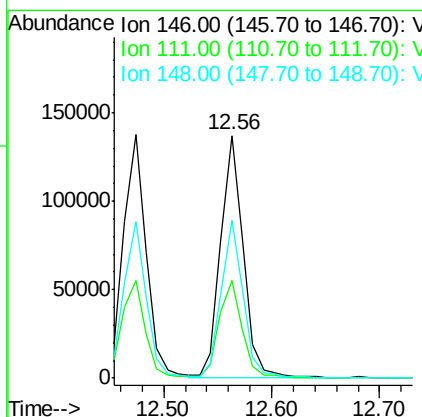
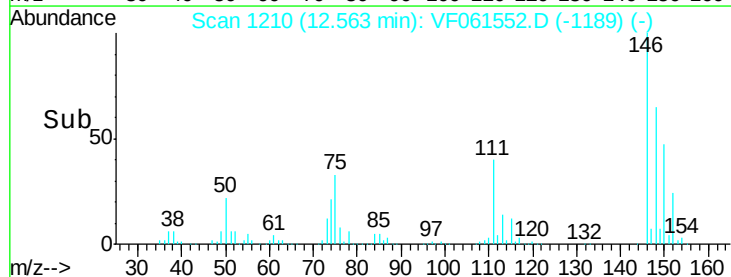
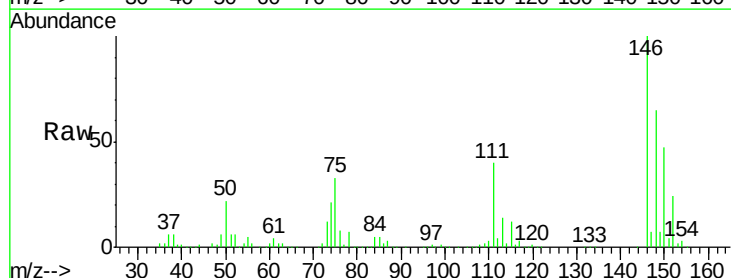
Manual Integrations
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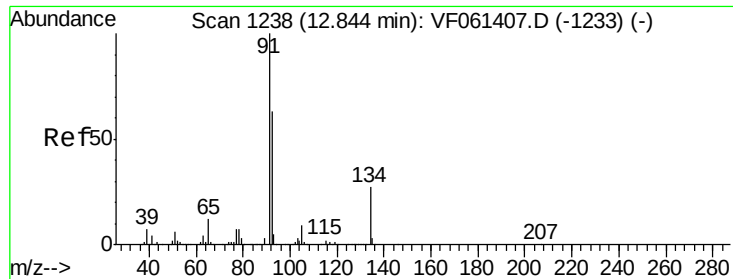
MMDadoda
 2/11/2019 12:36:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.798 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061552.D
 Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.8	62.2
148	65.1	32.1	96.5





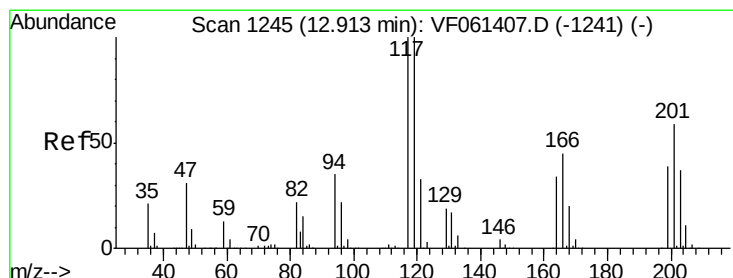
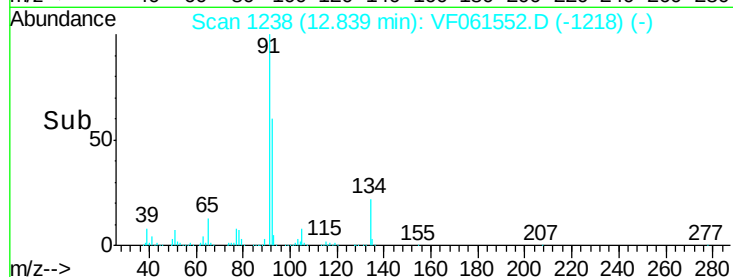
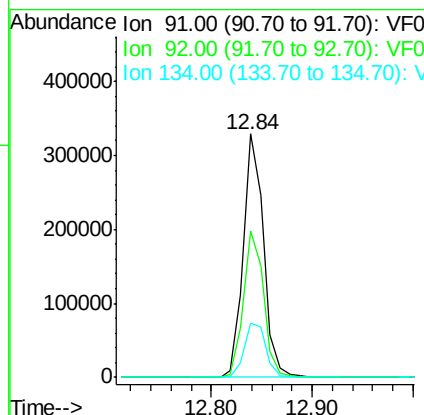
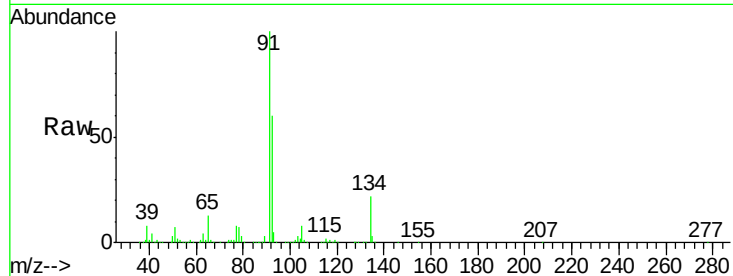
#89
n-Butylbenzene
Concen: 45.636 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.9	31.6	94.7
134	22.3	13.6	40.8

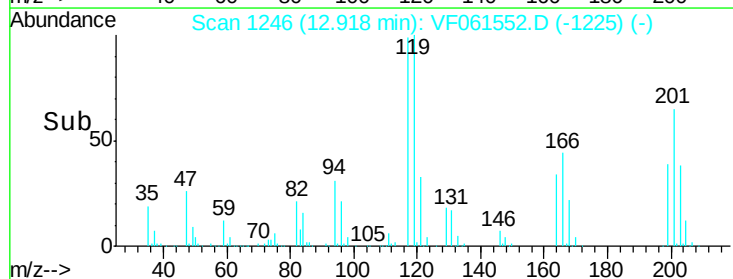
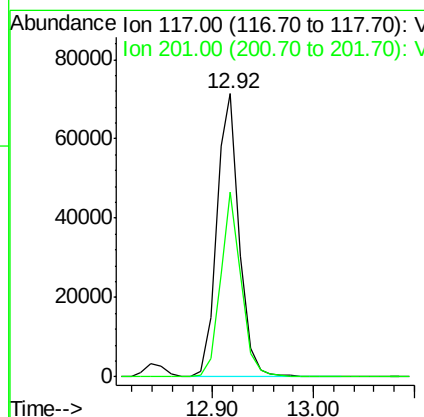
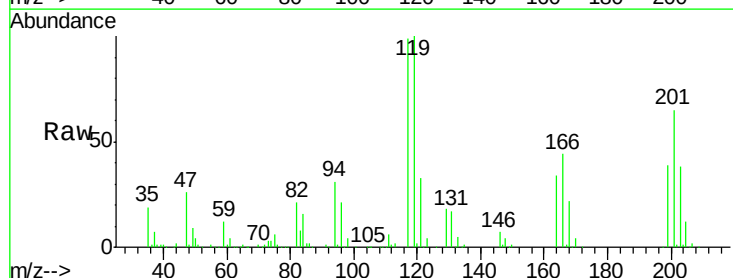
Manual Integrations
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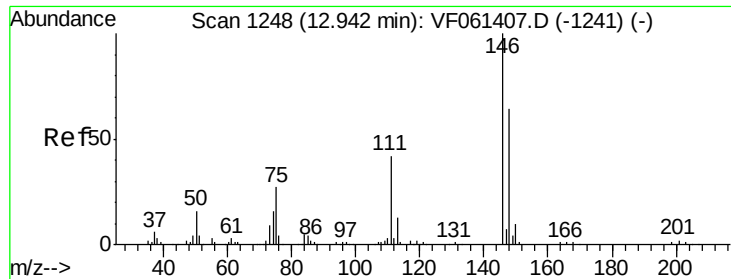
MMDadoda
2/11/2019 12:36:27 PM



#90
Hexachloroethane
Concen: 48.400 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.3	29.3	87.8





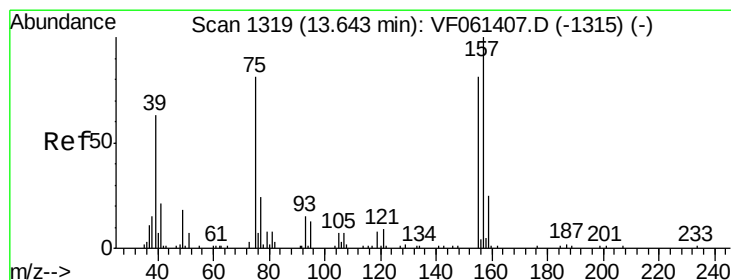
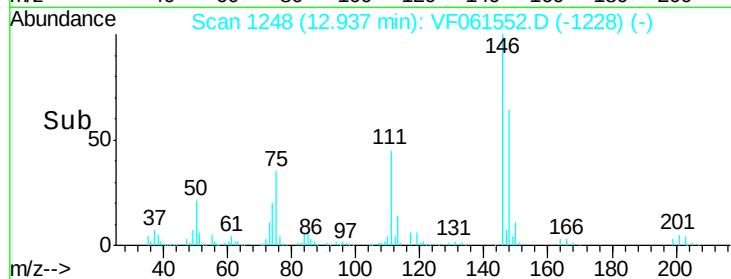
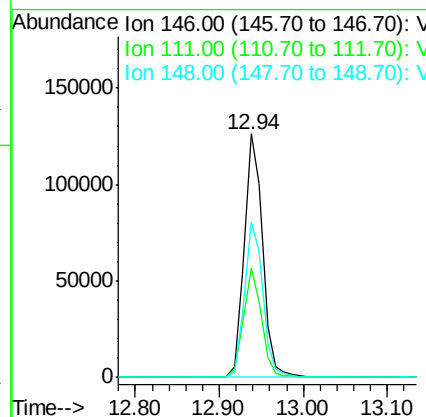
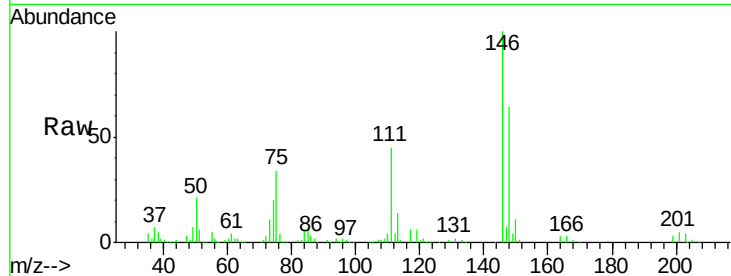
#91
 1,2-Dichlorobenzene
 Concen: 46.462 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061552.D
 Acq: 7 Feb 2019 18:39

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.1	63.3
148	63.5	31.9	95.7

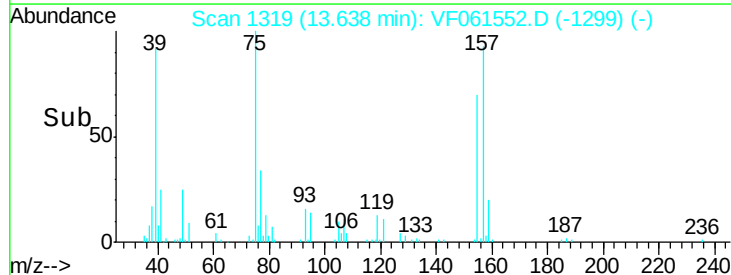
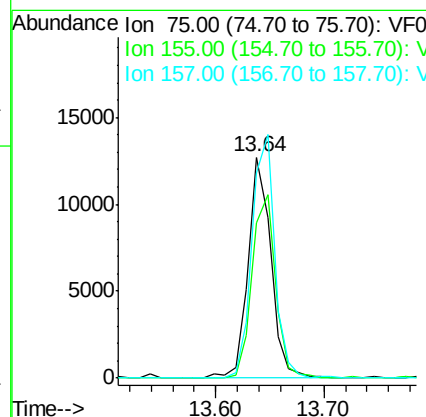
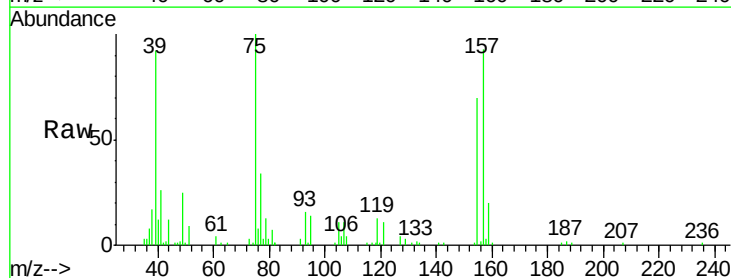
Manual Integrations
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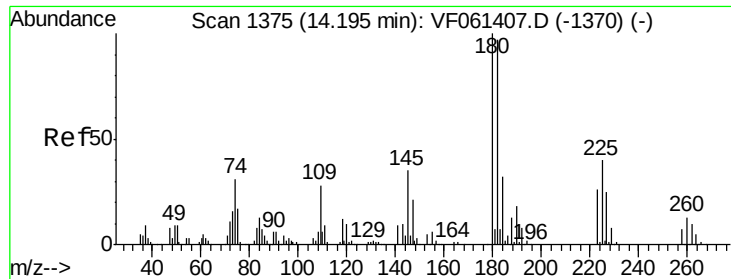
MMDadoda
 2/11/2019 12:36:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.645 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061552.D
 Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	49.7	149.1
157	93.1	61.4	184.1





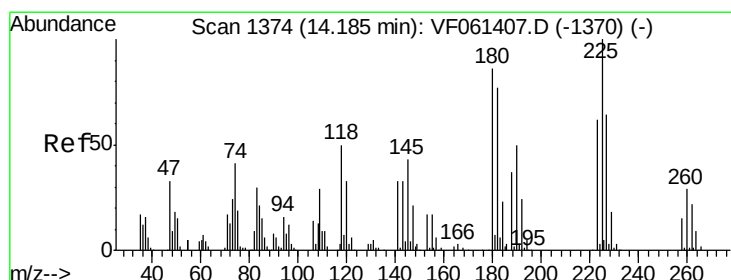
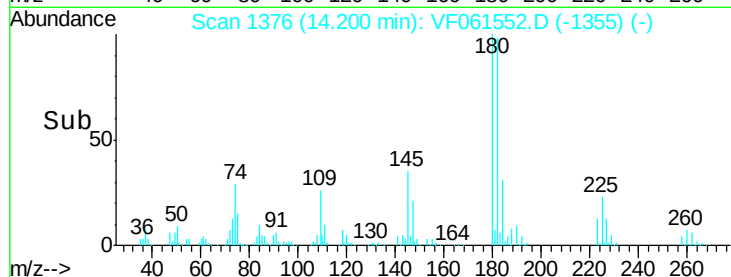
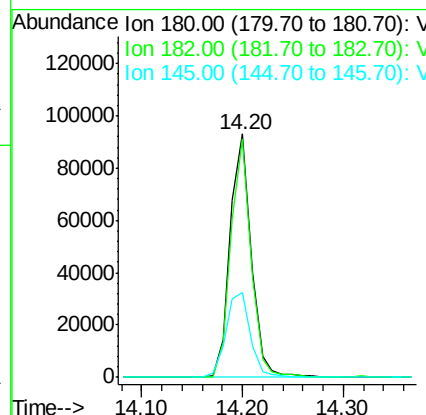
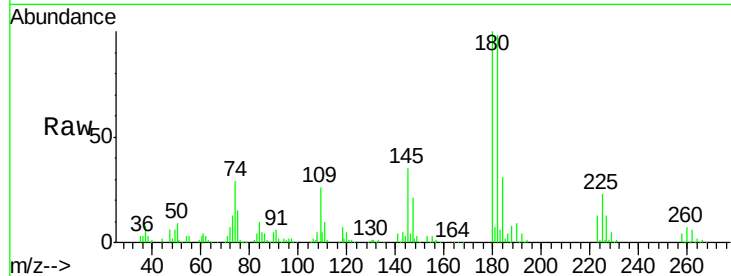
#93
 1,2,4-Trichlorobenzene
 Concen: 47.037 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061552.D
 Acq: 7 Feb 2019 18:39

Instrument :
 MSVOA_F
 ClientSampleId :
 A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136263		
182	97.9	48.5	145.6	
145	35.0	17.5	52.6	

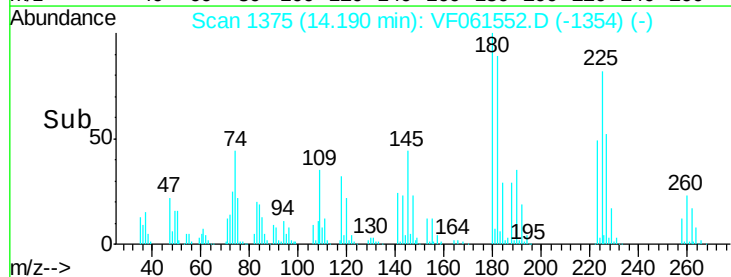
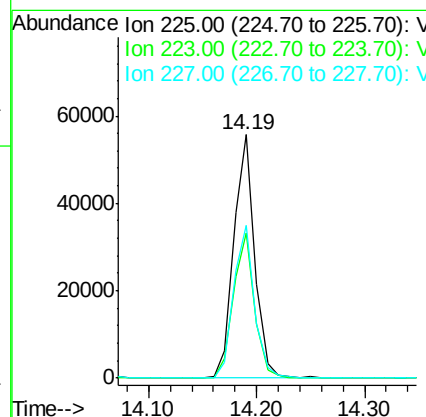
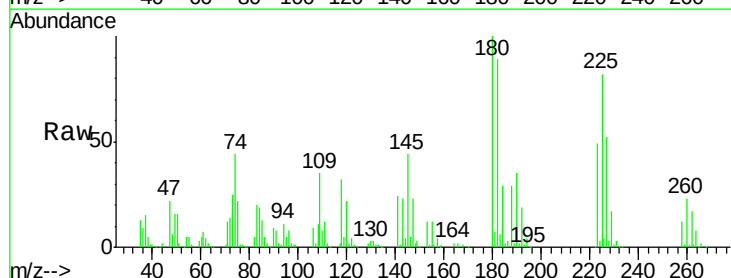
Manual Integrations
 APPROVED

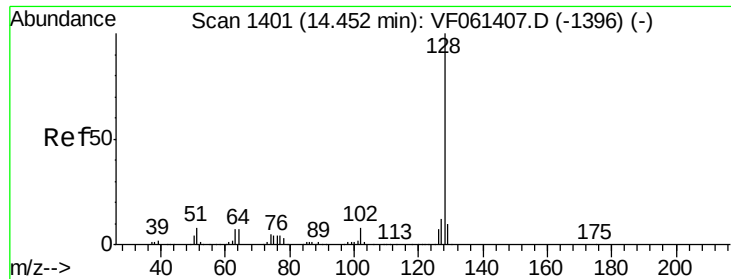
MMDadoda
 2/11/2019 12:36:27 PM



#94
 Hexachlorobutadiene
 Concen: 41.808 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061552.D
 Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75154		
223	59.7	31.1	93.2	
227	62.6	32.2	96.6	





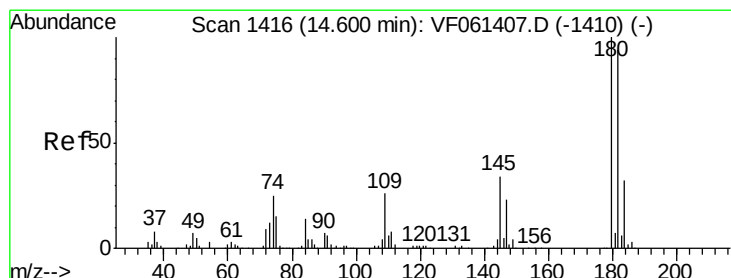
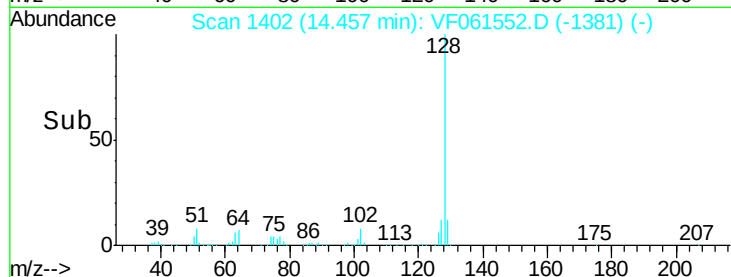
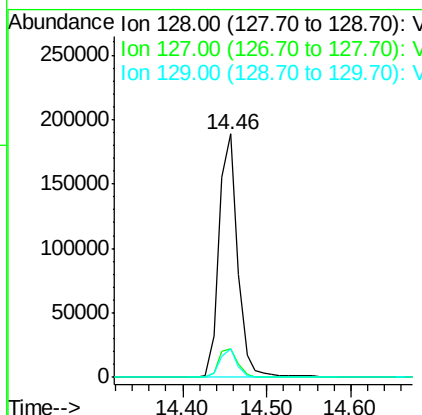
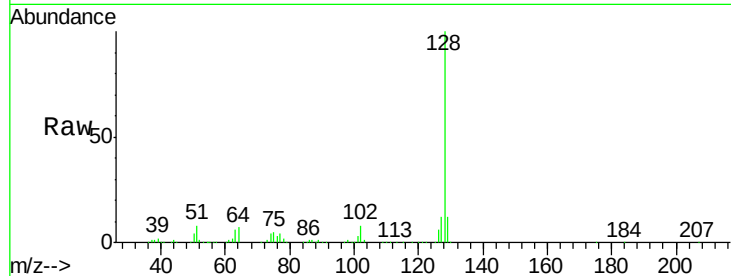
#95
Naphthalene
Concen: 53.017 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Instrument :
MSVOA_F
ClientSampleId :
A0C12-SS1-7.5-8.0MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	291800		
127	11.9		9.5	14.3
129	11.6		8.4	12.6

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:36:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.744 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF061552.D
Acq: 7 Feb 2019 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	130716		
182	93.0		47.0	141.2
145	32.7		17.1	51.2

