

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032019\
 Data File : VF062034.D
 Acq On : 20 Mar 2019 12:20
 Operator : VA/AP
 Sample : VF0320SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:51:30 PM

Quant Time: Mar 22 05:42:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	241607	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	357044	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	292619	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	172072	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	97766	56.21	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	112.42%	
35) Dibromofluoromethane	4.09	113	135140	56.36	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	112.72%	
50) Toluene-d8	7.53	98	377741	53.89	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	107.78%	
62) 4-Bromofluorobenzene	11.39	95	146422	52.59	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	105.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	58775	22.820	ug/l	95
3) Chloromethane	1.09	50	62390	23.837	ug/l #	89
4) Vinyl Chloride	1.14	62	58841	23.244	ug/l	100
5) Bromomethane	1.32	94	39027	21.946	ug/l	96
6) Chloroethane	1.40	64	28579	21.869	ug/l	94
7) Trichlorofluoromethane	1.48	101	75791	22.599	ug/l	94
8) Diethyl Ether	1.62	74	16249	21.795	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	53867	22.797	ug/l	94
10) Methyl Iodide	1.91	142	94241m	22.782	ug/l	
11) Tert butyl alcohol	2.56	59	10690	100.449	ug/l #	86
12) 1,1-Dichloroethene	1.79	96	47532	23.309	ug/l	93
13) Acrolein	1.99	56	7635	66.457	ug/l	89
14) Allyl chloride	2.09	41	54638	20.991	ug/l	93
15) Acrylonitrile	2.92	53	36620	113.156	ug/l	92
16) Acetone	2.23	43	54987	140.797	ug/l	100
17) Carbon Disulfide	1.82	76	131192m	22.256	ug/l	
18) Methyl Acetate	2.33	43	19886	22.470	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	81114	21.952	ug/l	93
20) Methylene Chloride	2.24	84	53432m	26.222	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	50688	23.820	ug/l	96
22) Diisopropyl ether	2.79	45	140572	22.452	ug/l	99
23) Vinyl Acetate	3.17	43	290257	117.600	ug/l	100
24) 1,1-Dichloroethane	2.86	63	83846	23.031	ug/l	97
25) 2-Butanone	4.31	43	85826	110.965	ug/l	96
26) 2,2-Dichloropropane	3.58	77	36815	21.439	ug/l	93
27) cis-1,2-Dichloroethene	3.45	96	63714	23.755	ug/l	90
28) Bromochloromethane	3.69	49	32645	21.611	ug/l	97
29) Tetrahydrofuran	4.06	42	32546	96.756	ug/l	96
30) Chloroform	3.84	83	92736	22.482	ug/l	97
31) Cyclohexane	3.66	56	77241m	21.477	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	52283	19.086	ug/l	96
36) 1,1-Dichloropropene	4.26	75	76486	23.722	ug/l	97
37) Ethyl Acetate	4.09	43	30866	21.320	ug/l #	94
38) Carbon Tetrachloride	3.97	117	53185	22.570	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	84086	22.214	ug/l	98
40) Benzene	4.61	78	203498	23.819	ug/l	100
41) Methacrylonitrile	4.73	41	16155	20.886	ug/l #	85
42) 1,2-Dichloroethane	4.93	62	49328	23.193	ug/l	98
43) Isopropyl Acetate	6.94	43	36536	21.330	ug/l #	96
44) Trichloroethene	5.48	130	64783	24.753	ug/l	98
45) 1,2-Dichloropropane	6.22	63	45730	22.617	ug/l	95
46) Dibromomethane	6.06	93	28155	23.408	ug/l	95
47) Bromodichloromethane	6.37	83	65639	23.148	ug/l	95
48) Methyl methacrylate	6.70	41	23209	20.965	ug/l #	81
49) 1,4-Dioxane	6.69	88	4854	492.937	ug/l #	65
51) 4-Methyl-2-Pentanone	8.24	43	139088	114.349	ug/l	95
52) Toluene	7.60	92	118330	22.668	ug/l	100
53) t-1,3-Dichloropropene	8.26	75	52919	22.105	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	72267	23.135	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	32846	22.545	ug/l	96
56) Ethyl methacrylate	8.59	69	34491	20.826	ug/l	92
57) 1,3-Dichloropropane	8.83	76	53776	22.127	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.27	63	23605	78.688	ug/l	92
59) 2-Hexanone	9.47	43	101398	115.188	ug/l	92
60) Dibromochloromethane	8.69	129	46416	22.949	ug/l	96
61) 1,2-Dibromoethane	8.97	107	35407	22.656	ug/l	99
64) Tetrachloroethene	8.13	164	52571	24.716	ug/l	94
65) Chlorobenzene	9.78	112	125355	23.009	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	53847	25.499	ug/l	97
67) Ethyl Benzene	9.88	91	225543	24.178	ug/l	97
68) m/p-Xylenes	10.11	106	170010	48.457	ug/l	97
69) o-Xylene	10.69	106	83880	22.343	ug/l	88
70) Styrene	10.77	104	127788	24.570	ug/l	97
71) Bromoform	10.75	173	25528	23.899	ug/l #	92
73) Isopropylbenzene	11.11	105	278698	23.444	ug/l	98
74) N-amyl acetate	11.36	43	62221	22.842	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	42418	21.617	ug/l	87
76) 1,2,3-Trichloropropane	11.78	75	30395	22.152	ug/l	93
77) Bromobenzene	11.48	156	58870	21.384	ug/l	88
78) n-propylbenzene	11.57	91	304619	22.285	ug/l	93
79) 2-Chlorotoluene	11.70	91	173885	22.537	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	220484	22.960	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	11398m	18.778	ug/l	
82) 4-Chlorotoluene	11.88	91	167413	21.456	ug/l	94
83) tert-Butylbenzene	12.11	119	230320	22.934	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	213101	22.155	ug/l	100
85) sec-Butylbenzene	12.29	105	309175	22.786	ug/l	99
86) p-Isopropyltoluene	12.44	119	269040	23.762	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	126325	23.347	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	121345	23.300	ug/l	96
89) n-Butylbenzene	12.82	91	259385	24.381	ug/l	94
90) Hexachloroethane	12.90	117	61728	23.890	ug/l	92
91) 1,2-Dichlorobenzene	12.92	146	116788	23.305	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6895	21.897	ug/l	63

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QLast Update : Fri Mar 22 03:22:44 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	80144	22.966	ug/l	99
94) Hexachlorobutadiene	14.18	225	53876	23.255	ug/l	95
95) Naphthalene	14.44	128	130561	20.802	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	76205	23.736	ug/l	96

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

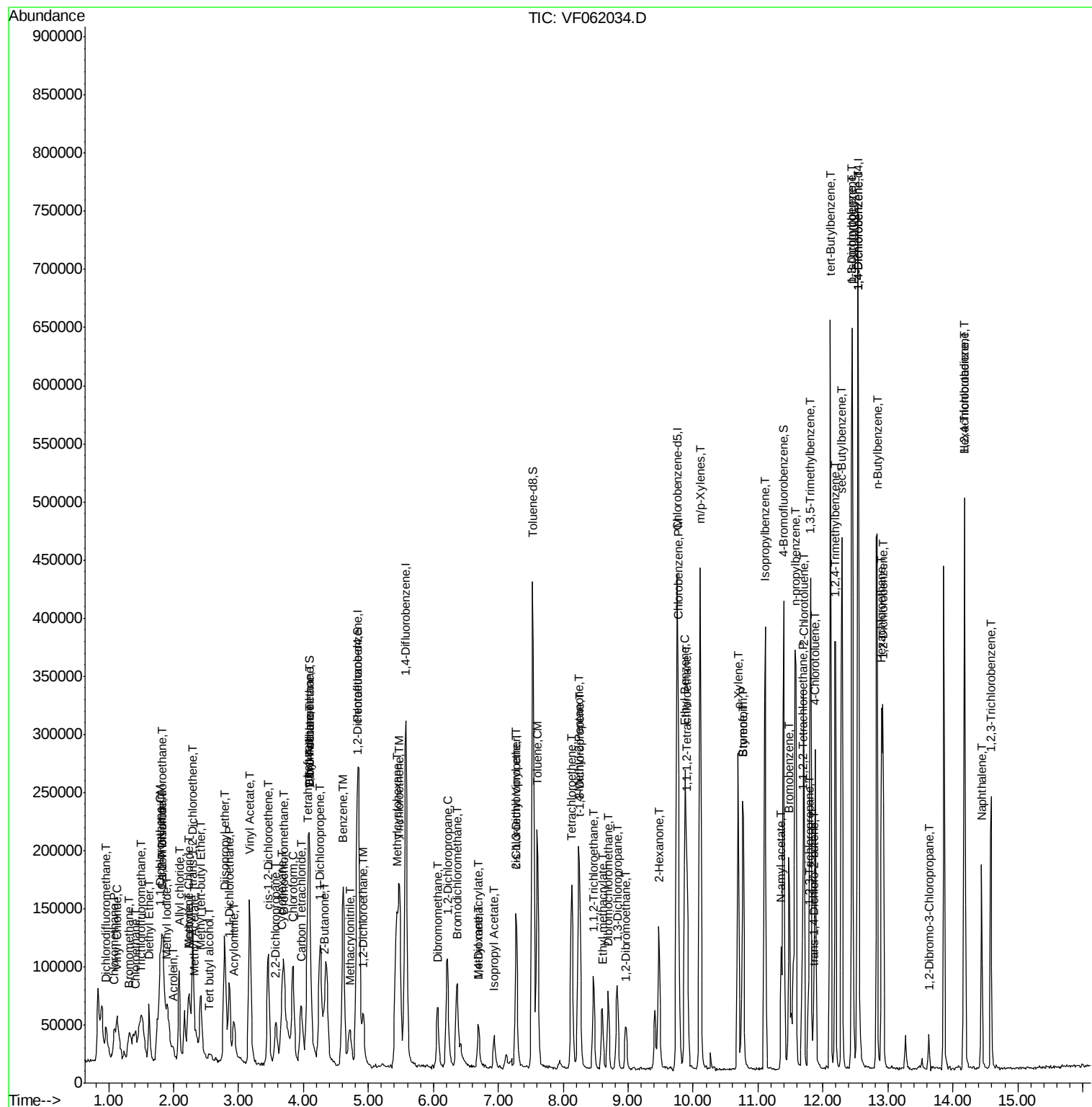
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032019\
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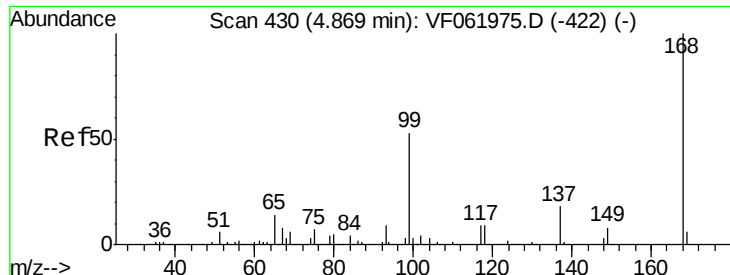
Instrument :
MSVOA_F
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion:168 Resp: 241607

Ion Ratio Lower Upper

168 100

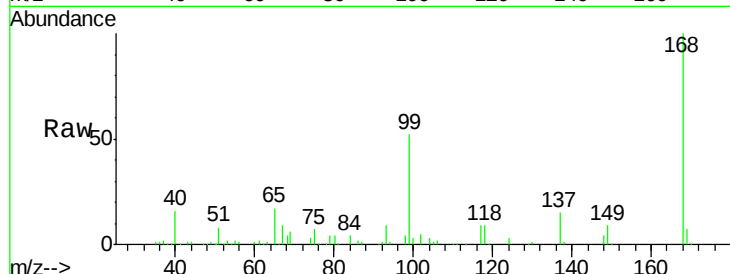
99 51.8 42.4 63.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

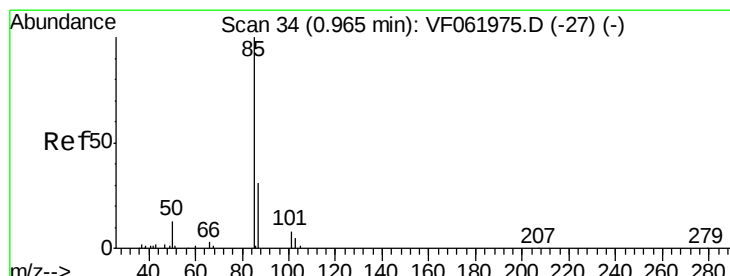
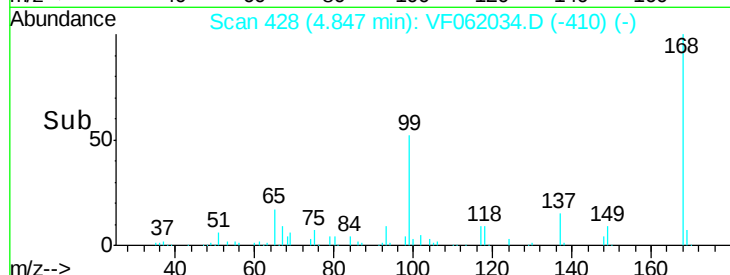
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.820 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF062034.D

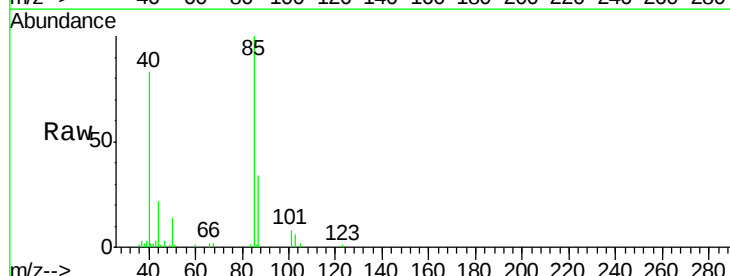
Acq: 20 Mar 2019 12:20

Tgt Ion: 85 Resp: 58775

Ion Ratio Lower Upper

85 100

87 33.6 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

15000

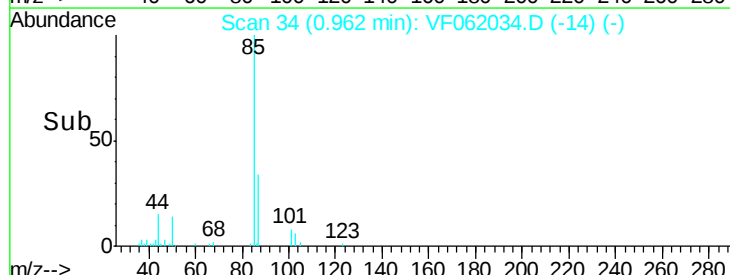
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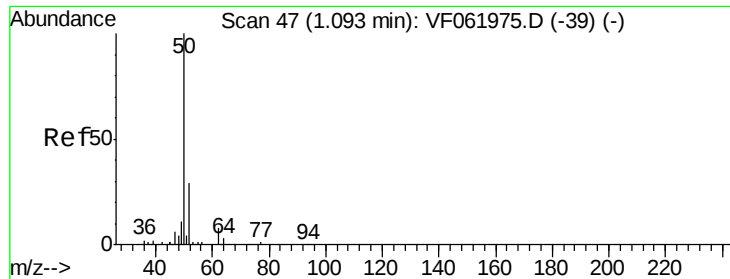
5000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 23.837 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 50 Resp: 62390

Ion Ratio Lower Upper

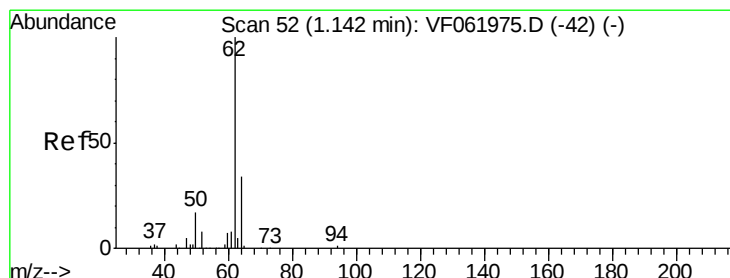
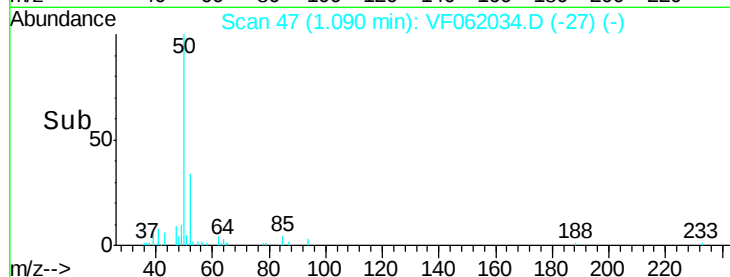
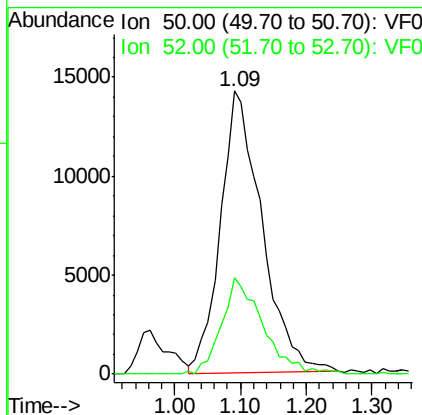
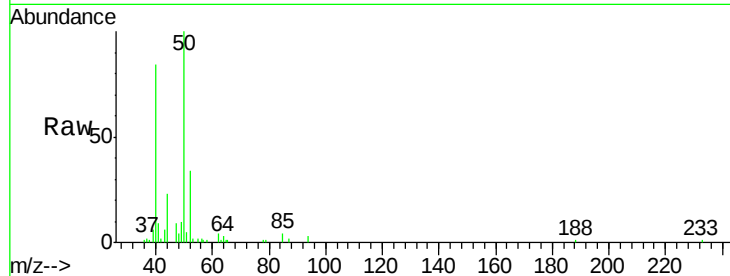
50 100

52 34.2 22.6 34.0#

Manual Integrations
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3/22/2019 4:51:30 PM



#4

Vinyl Chloride

Concen: 23.244 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF062034.D

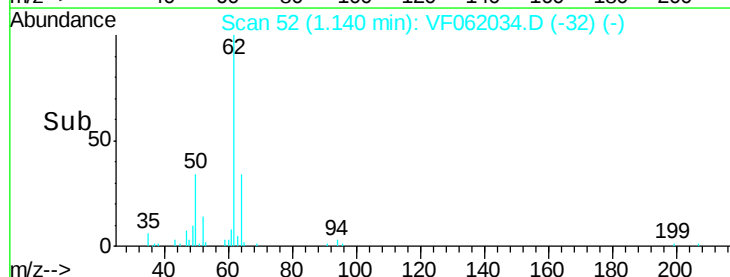
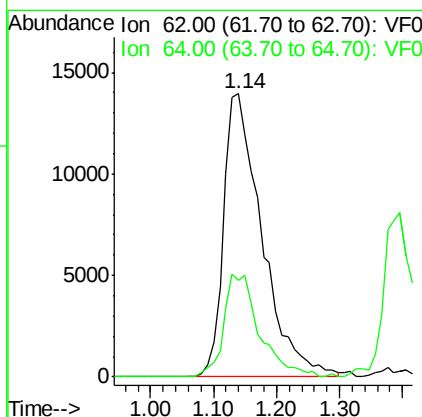
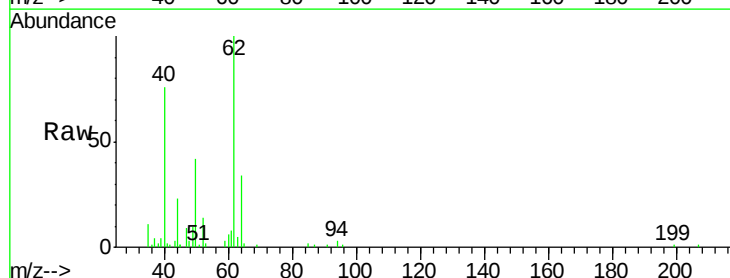
Acq: 20 Mar 2019 12:20

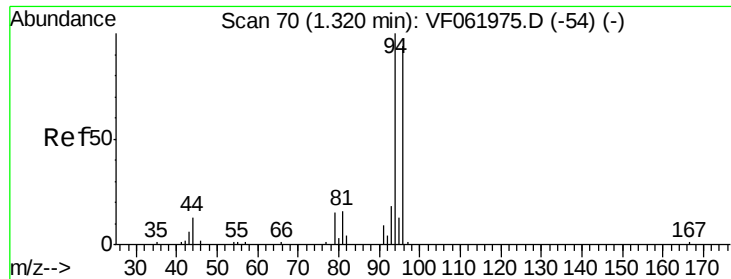
Tgt Ion: 62 Resp: 58841

Ion Ratio Lower Upper

62 100

64 34.1 27.4 41.2





#5

Bromomethane

Concen: 21.946 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 39027

Ion Ratio Lower Upper

94 100

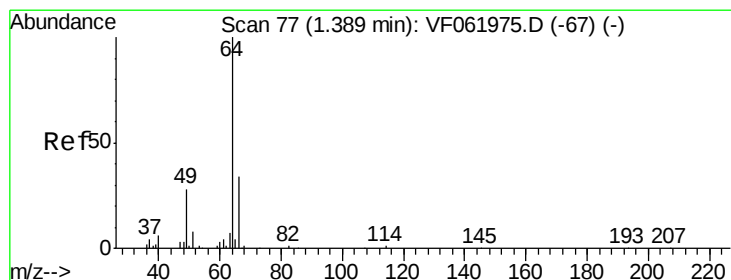
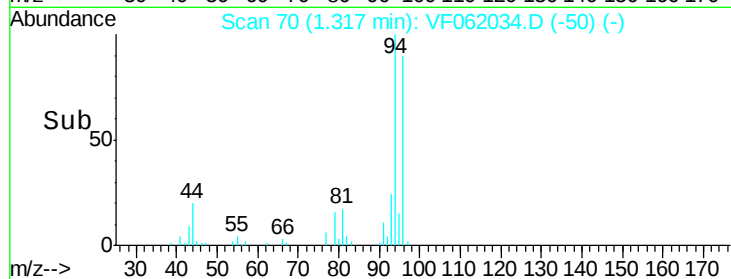
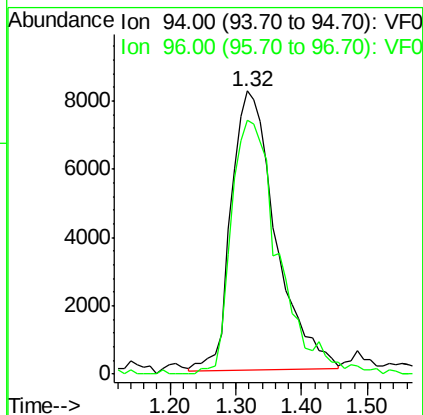
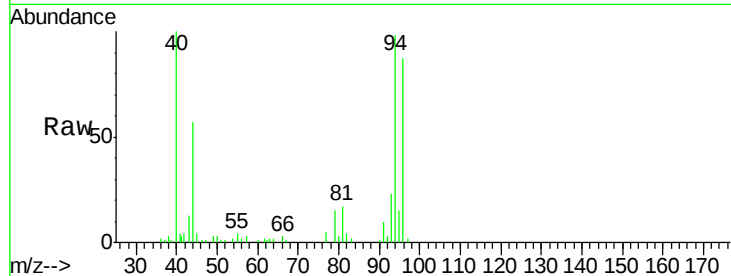
96 89.5 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 21.869 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF062034.D

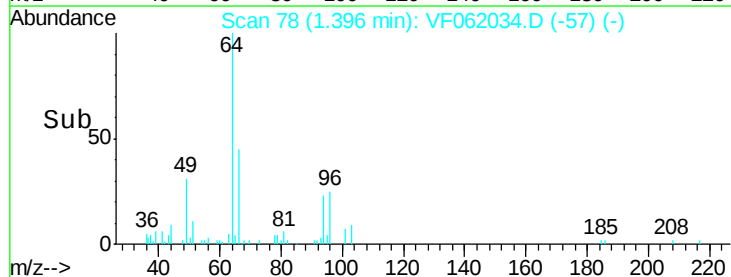
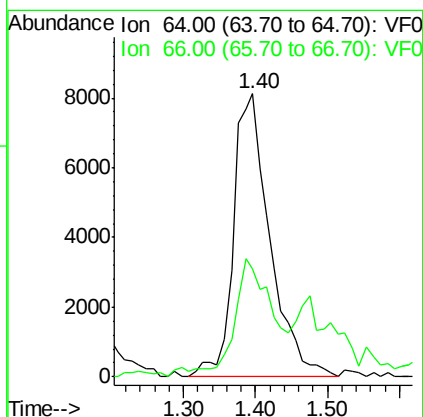
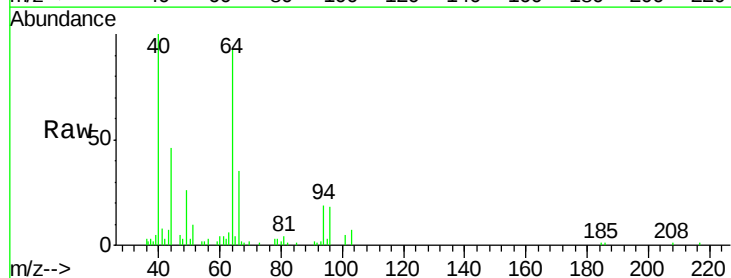
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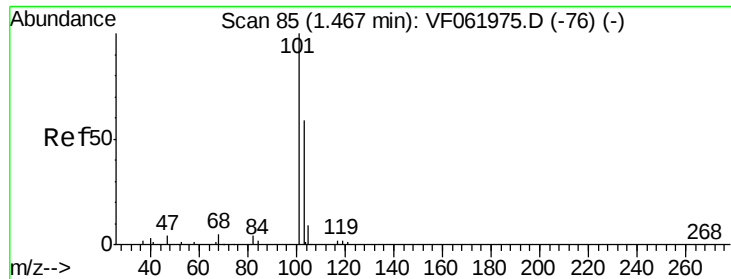
Tgt Ion: 64 Resp: 28579

Ion Ratio Lower Upper

64 100

66 38.2 27.6 41.4





#7

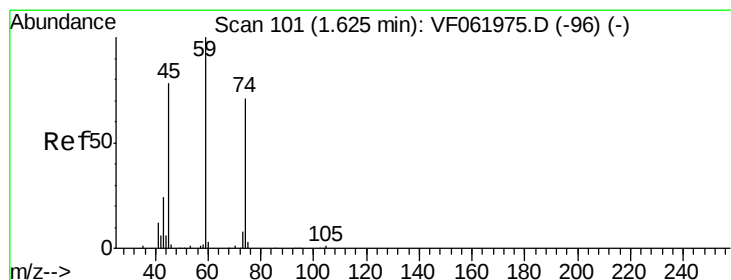
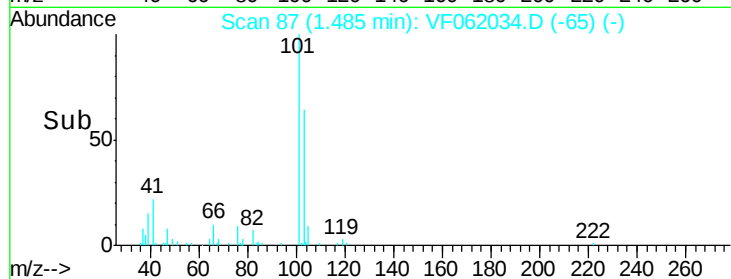
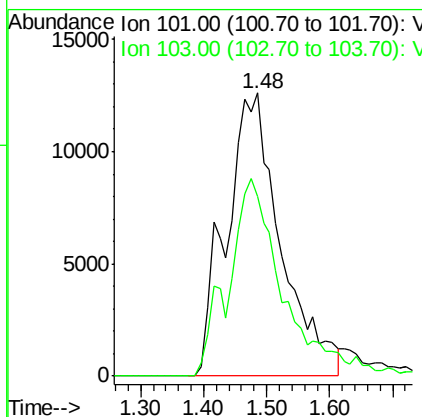
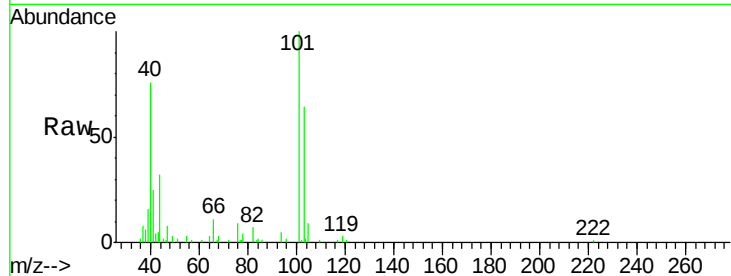
Trichlorofluoromethane
Concen: 22.599 ug/l
RT: 1.48 min Scan# 87
Delta R.T. 0.02 min
Lab File: VF062034.D
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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	63.7	47.3	70.9	

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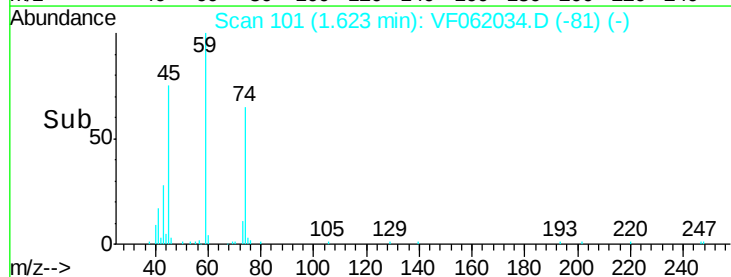
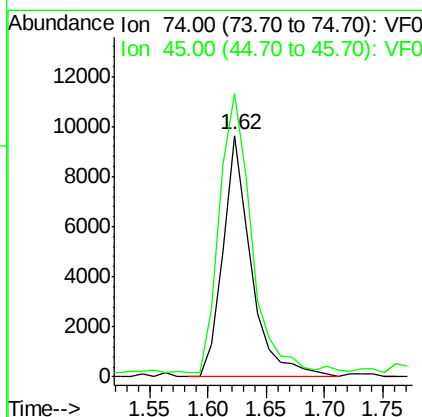
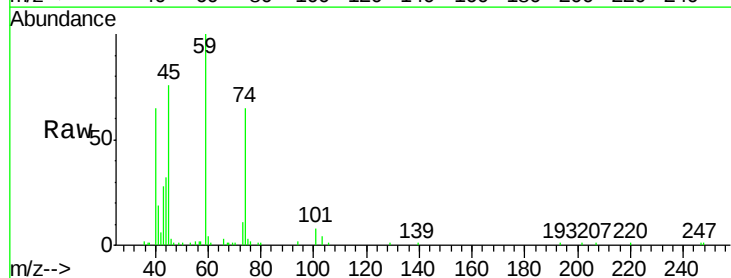
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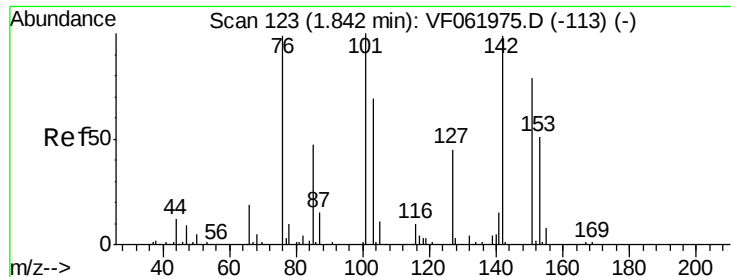


#8

Diethyl Ether
Concen: 21.795 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF062034.D
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Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	117.2	56.3	168.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.797 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

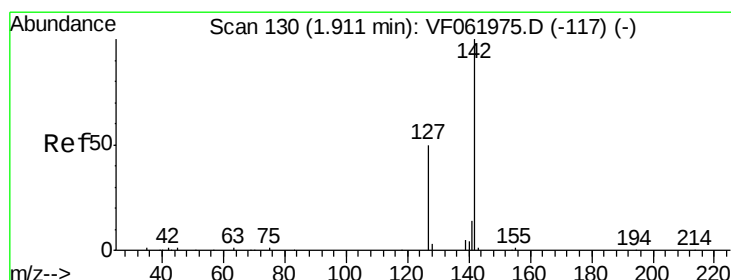
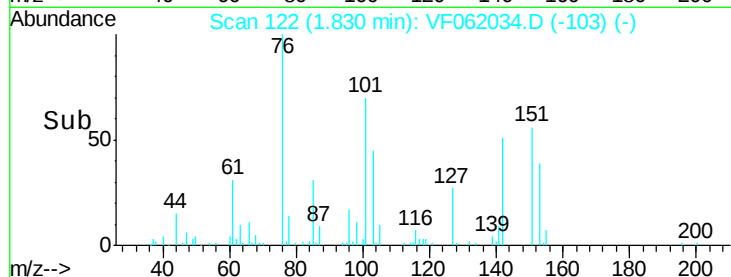
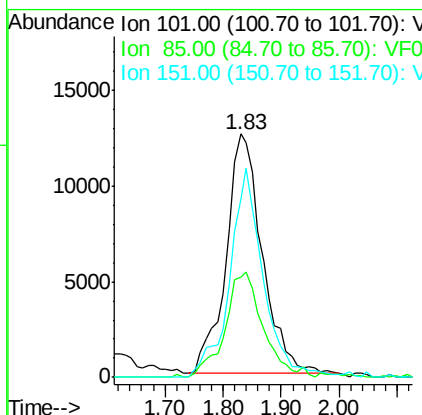
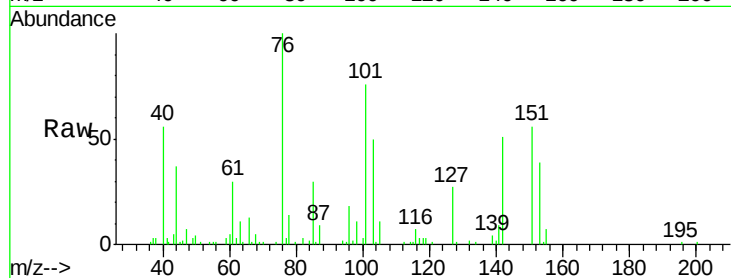
ClientSampleId :

VF0320SBS01

Tot Ion:	101	Resp:	53867
Ion Ratio	Lower	Upper	
101	100		
85	41.2	36.8	55.2
151	73.3	62.2	93.2

Manual Integrations
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MMDadoda
3/22/2019 4:51:30 PM



#10

Methyl Iodide

Concen: 22.782 ug/l m

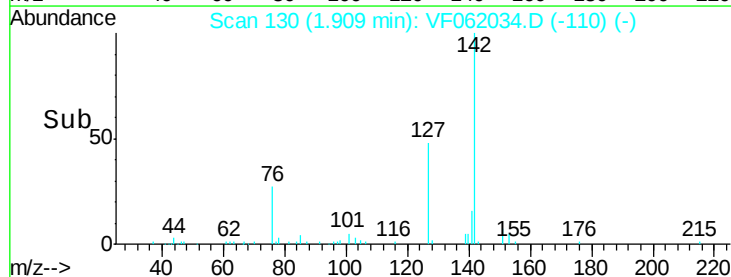
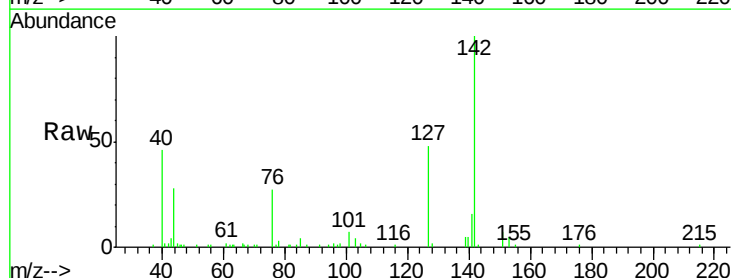
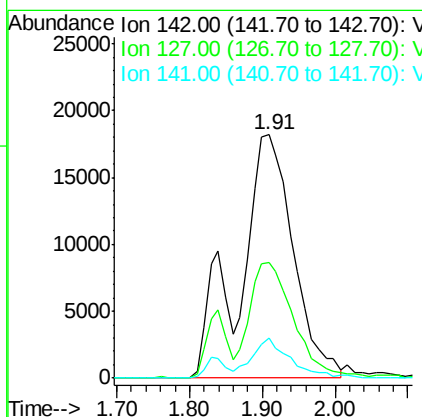
RT: 1.91 min Scan# 130

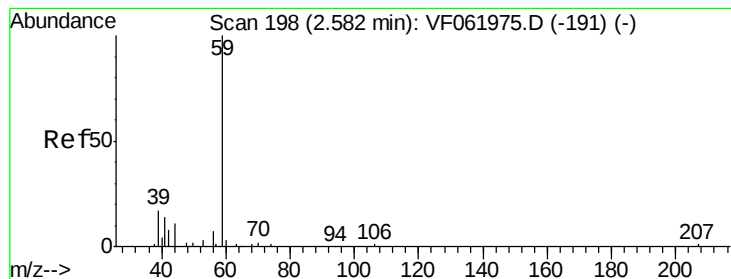
Delta R.T. -0.00 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion:	142	Resp:	94241
Ion Ratio	Lower	Upper	
142	100		
127	47.7	39.7	59.5
141	16.4	10.8	16.2#





#11

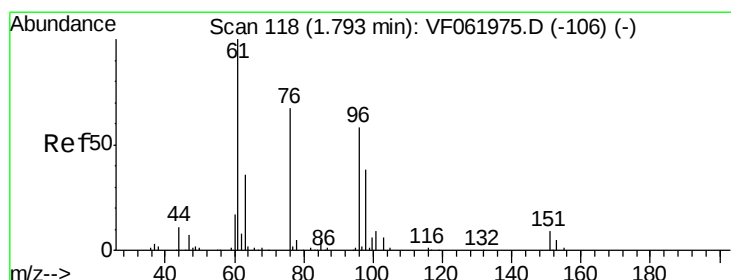
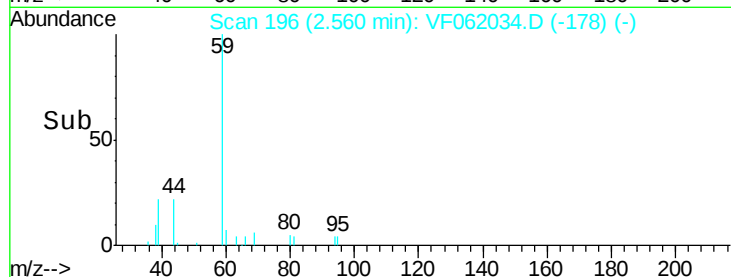
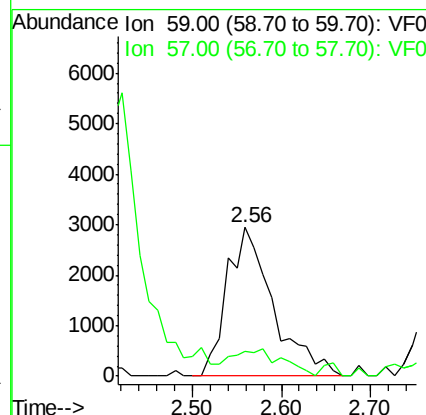
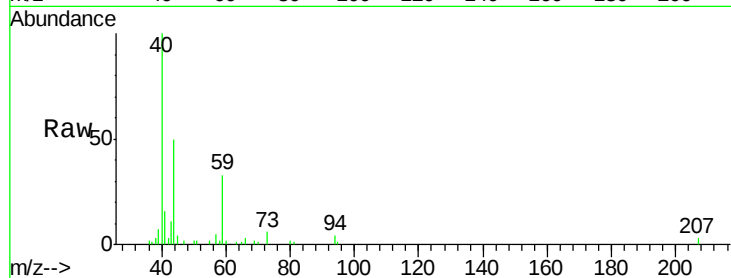
Tert butyl alcohol
Concen: 100.449 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion: 59 Resp: 10690
Ion Ratio Lower Upper
59 100
57 16.4 8.7 13.1#

Manual Integrations
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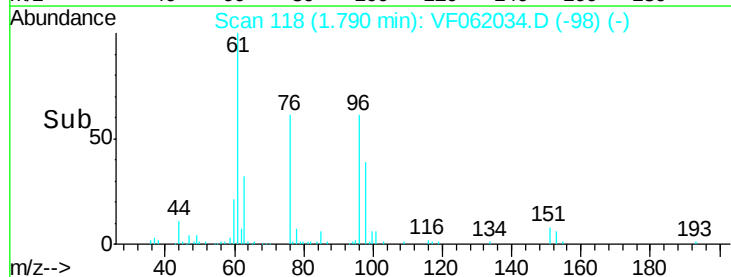
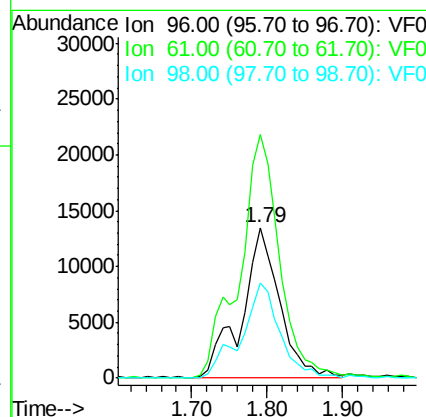
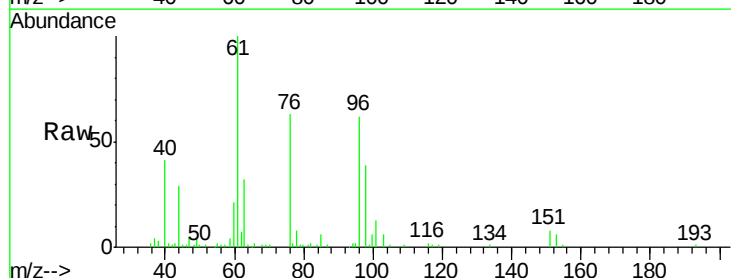
MMDadoda
3/22/2019 4:51:30 PM

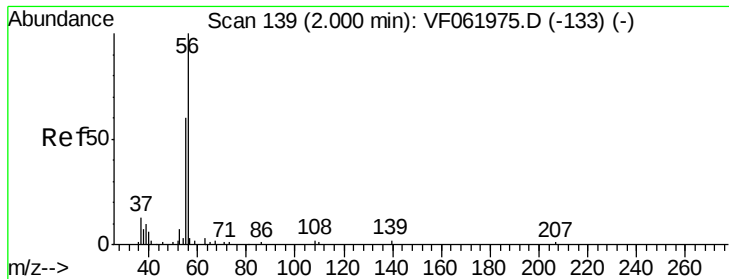


#12

1,1-Dichloroethene
Concen: 23.309 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 96 Resp: 47532
Ion Ratio Lower Upper
96 100
61 162.1 138.6 208.0
98 62.9 53.2 79.8





#13

Acrolein

Concen: 66.457 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 56 Resp: 7635

Ion Ratio Lower Upper

56 100

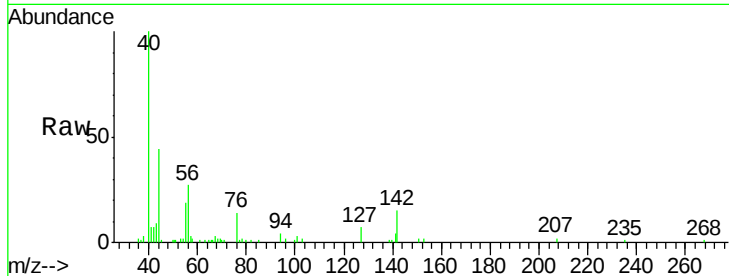
55 70.2 49.1 73.7

Manual Integrations

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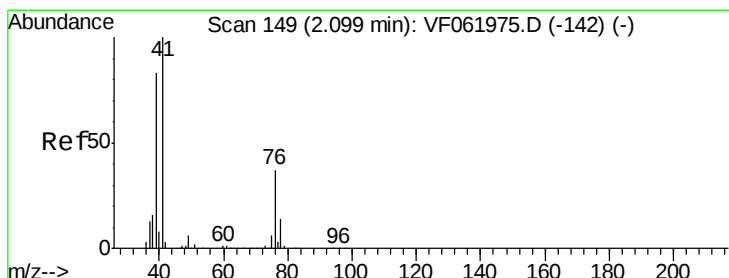
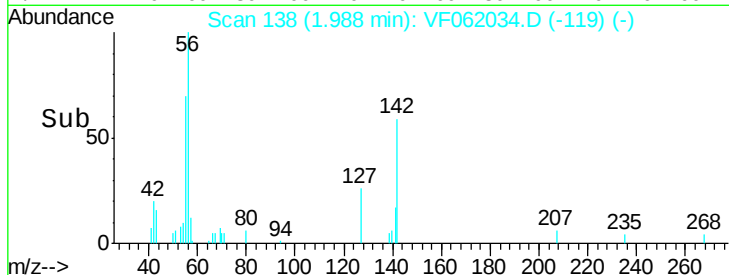
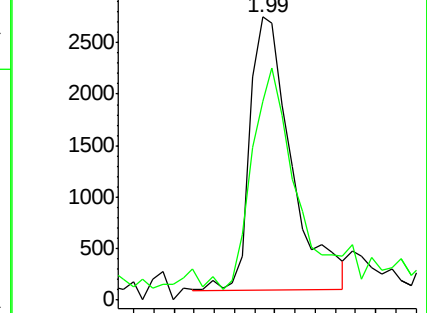
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 20.991 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

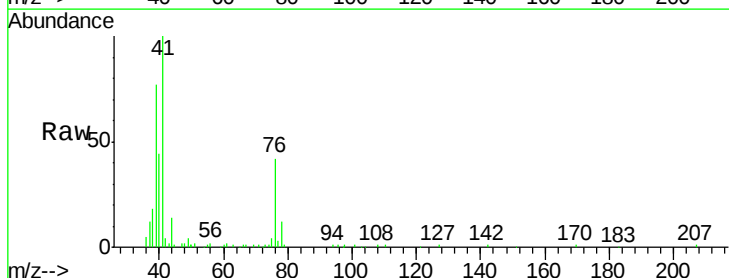
Tgt Ion: 41 Resp: 54638

Ion Ratio Lower Upper

41 100

39 76.5 66.8 100.2

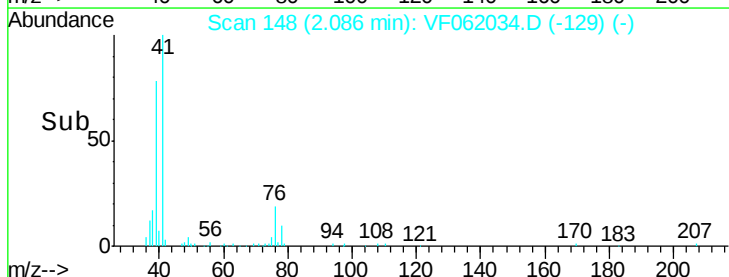
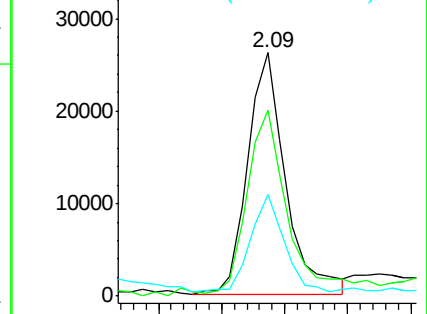
76 41.8 31.1 46.7

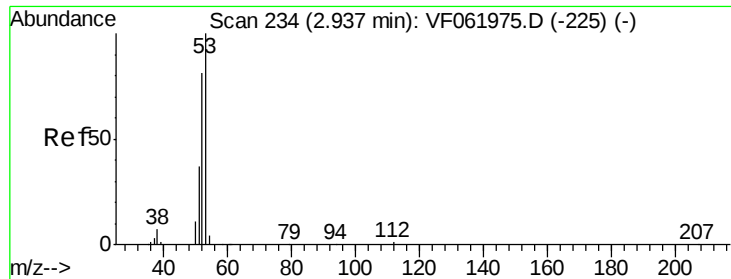


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 113.156 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

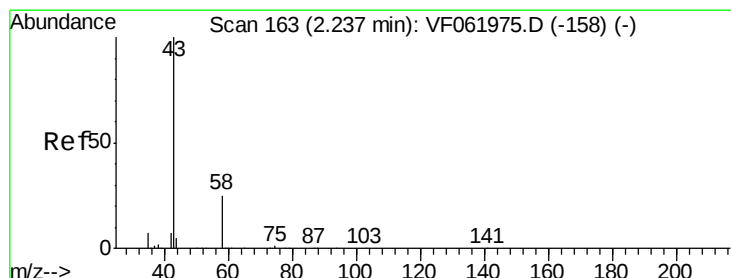
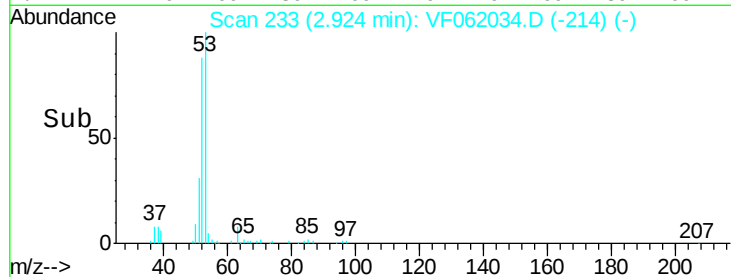
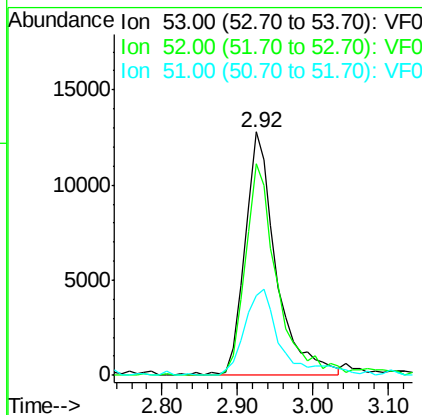
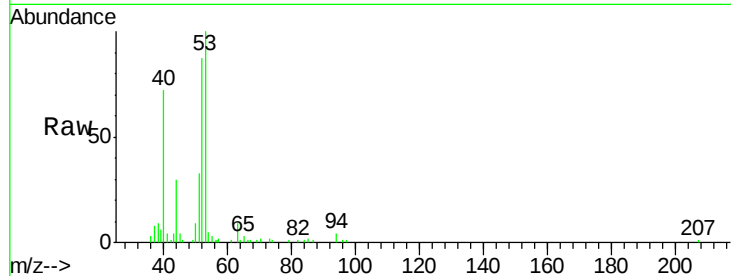
ClientSampleId :

VF0320SBS01

Tot Ion:	53	Resp:	36620
Ion	Ratio	Lower	Upper
53	100		
52	86.8	64.4	96.6
51	32.7	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 140.797 ug/l

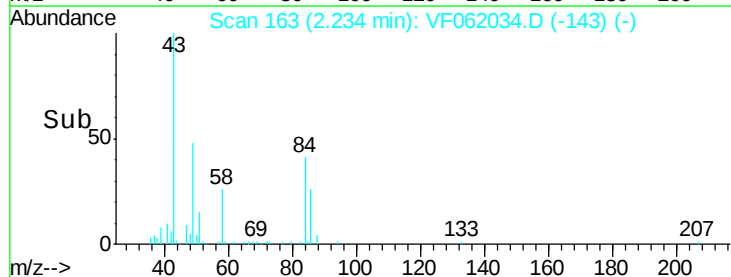
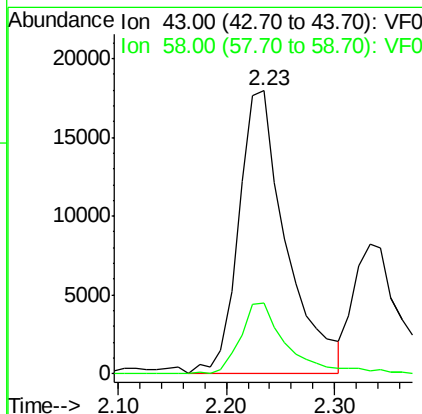
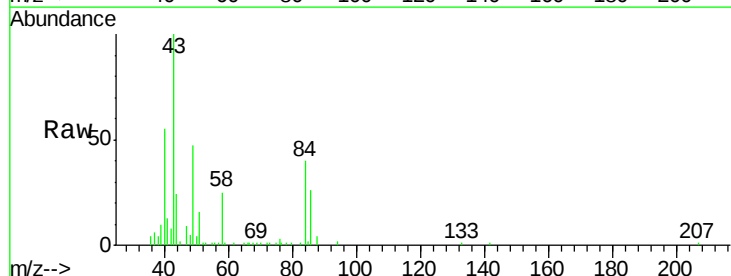
RT: 2.23 min Scan# 163

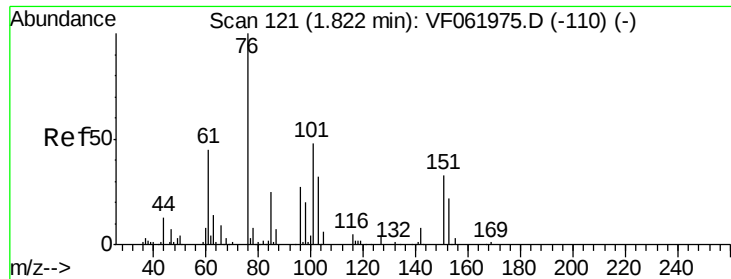
Delta R.T. -0.00 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion:	43	Resp:	54987
Ion	Ratio	Lower	Upper
43	100		
58	24.9	19.9	29.9





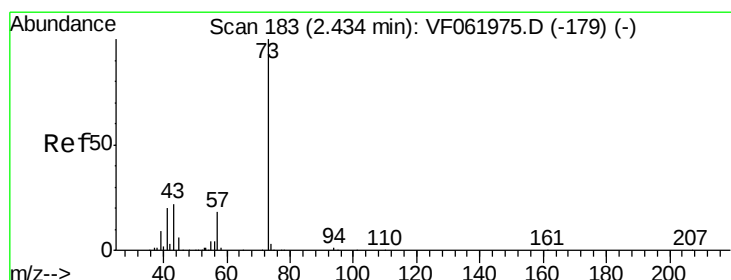
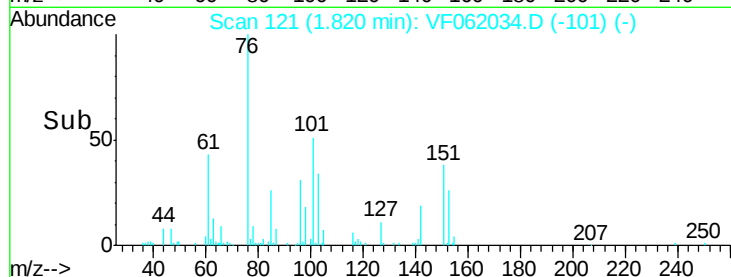
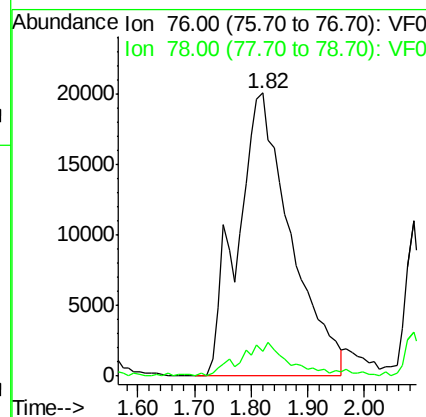
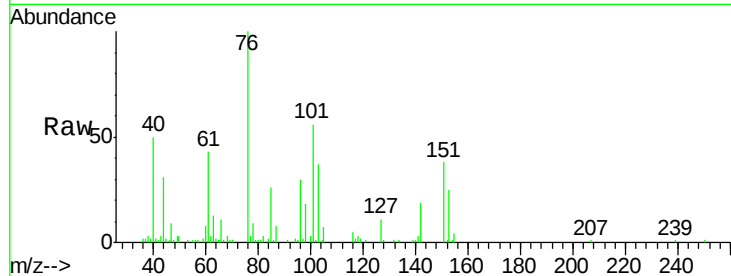
#17
Carbon Disulfide
Concen: 22.256 ug/l m
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion: 76 Resp: 131192
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2

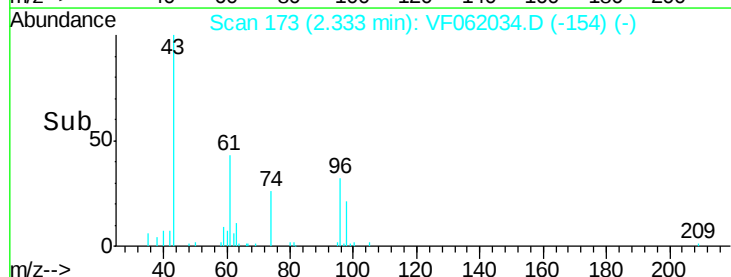
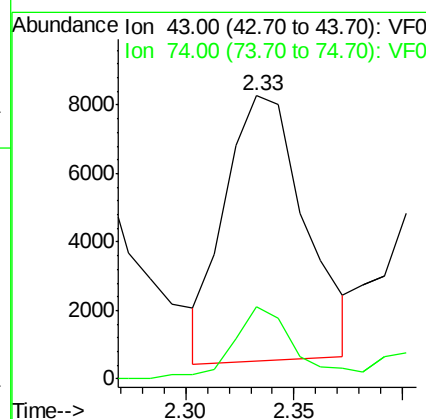
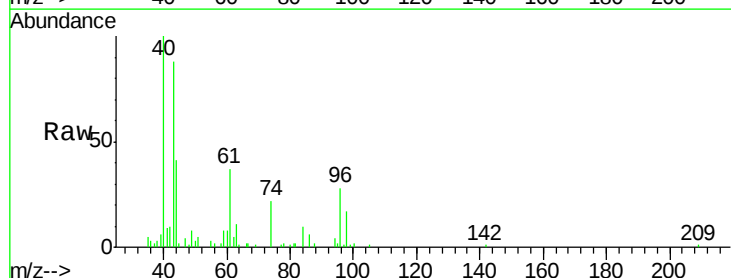
Manual Integrations
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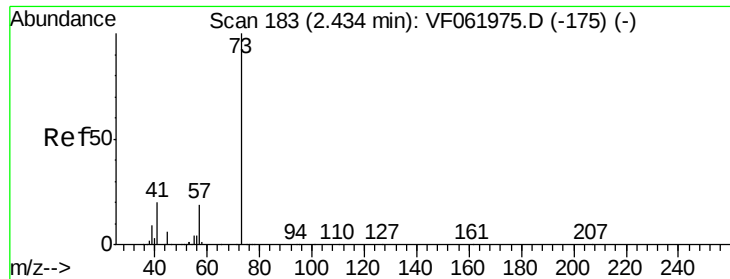
MMDadoda
3/22/2019 4:51:30 PM



#18
Methyl Acetate
Concen: 22.470 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 43 Resp: 19886
Ion Ratio Lower Upper
43 100
74 25.4 18.3 27.5





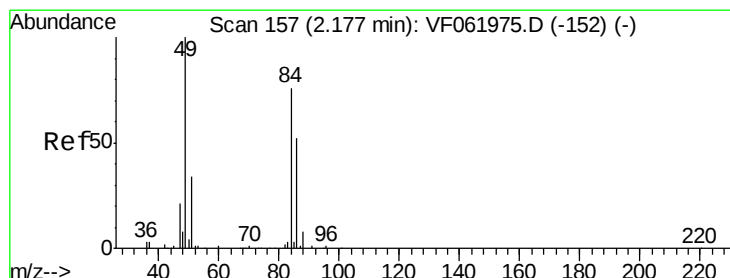
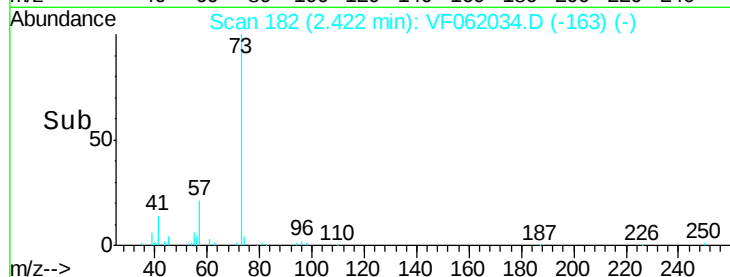
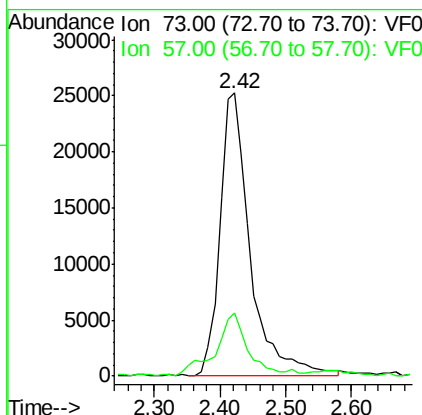
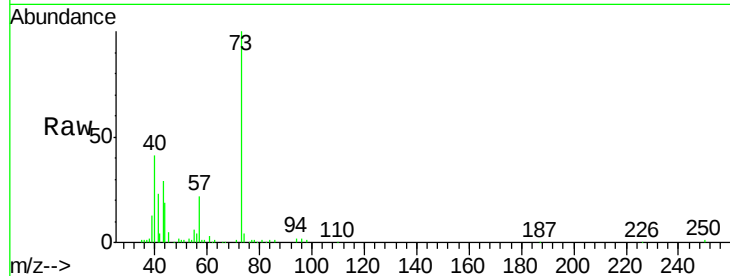
#19
Methyl tert-butyl Ether
Concen: 21.952 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion: 73 Resp: 81114
Ion Ratio Lower Upper
73 100
57 22.2 15.3 22.9

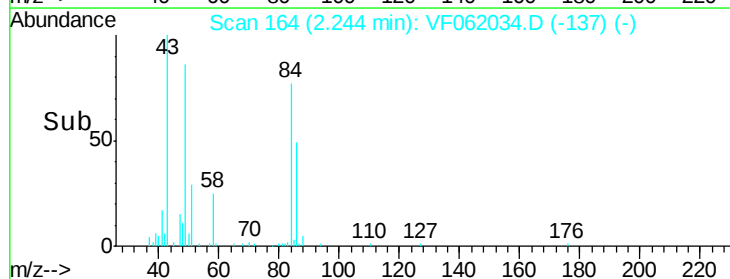
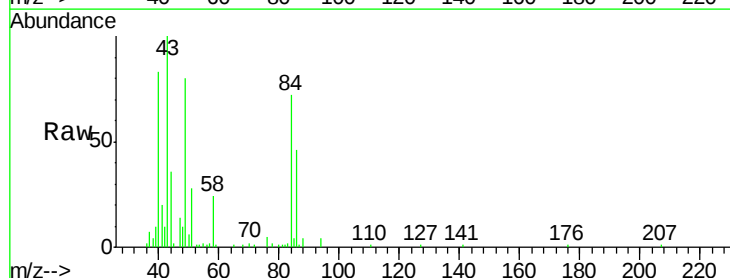
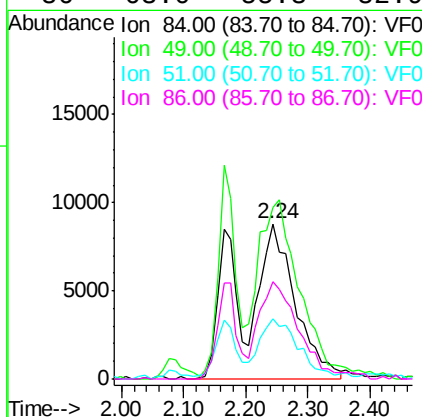
Manual Integrations
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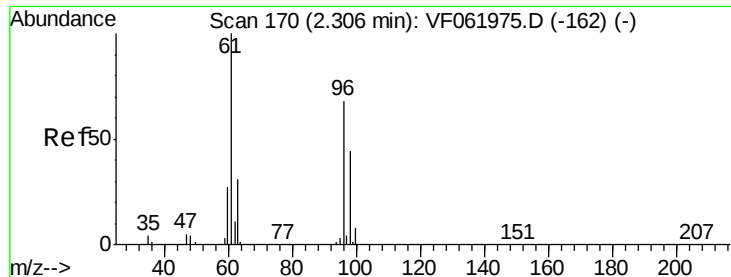
MMDadoda
3/22/2019 4:51:30 PM



#20
Methylene Chloride
Concen: 26.222 ug/l m
RT: 2.24 min Scan# 164
Delta R.T. 0.07 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 84 Resp: 53432
Ion Ratio Lower Upper
84 100
49 110.9 107.0 160.6
51 39.1 37.2 55.8
86 63.0 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 23.820 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 96 Resp: 50688

Ion Ratio Lower Upper

96 100

61 151.8 117.4 176.2

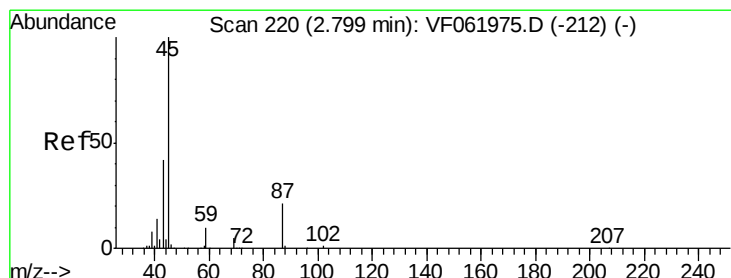
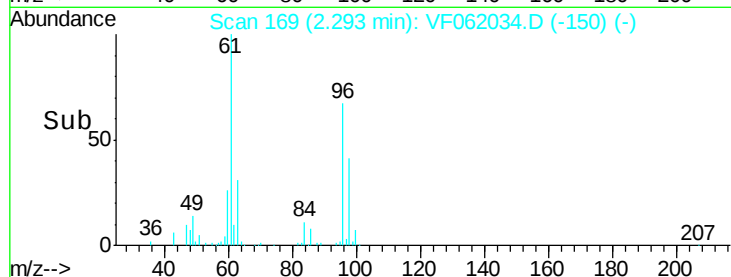
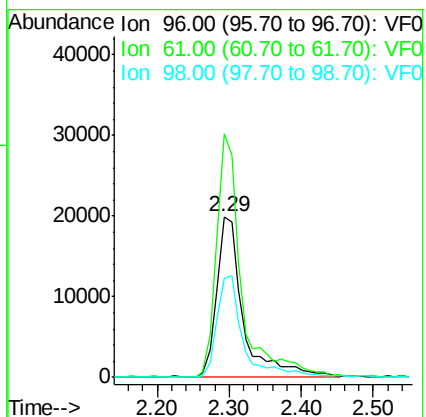
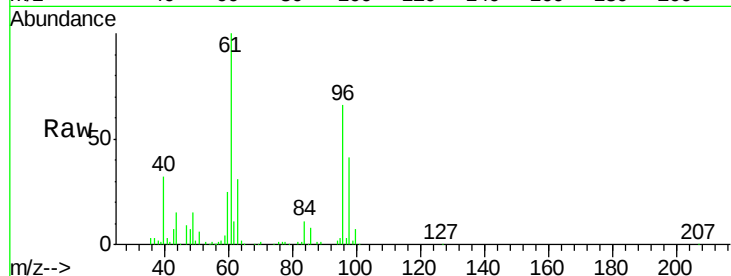
98 61.5 51.2 76.8

Manual Integrations

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MMDadoda

3/22/2019 4:51:30 PM



#22

Diisopropyl ether

Concen: 22.452 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion: 45 Resp: 140572

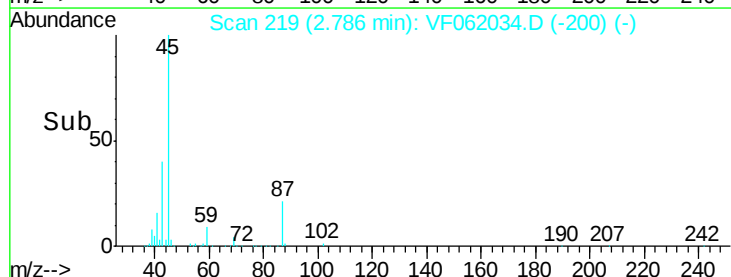
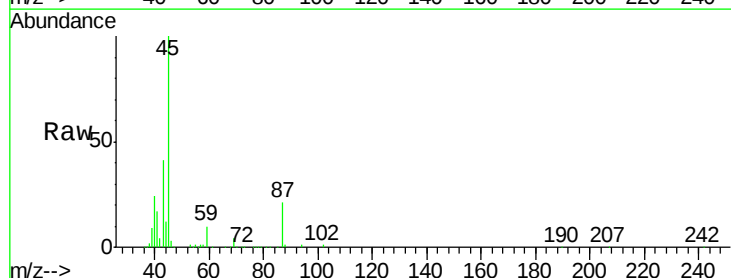
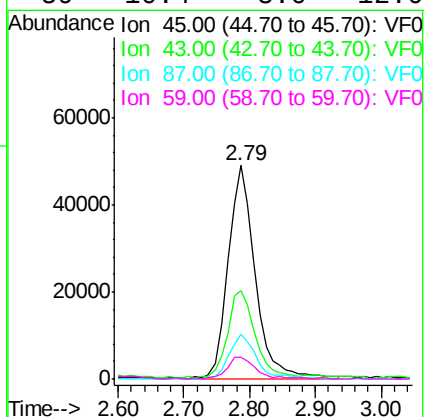
Ion Ratio Lower Upper

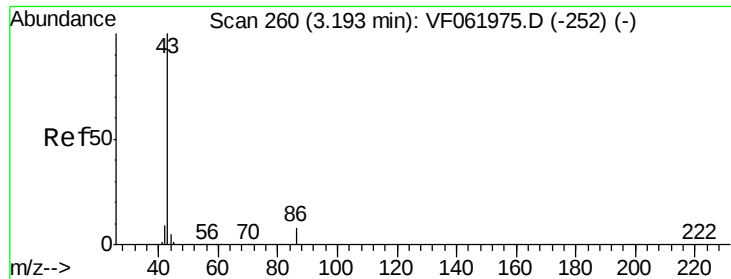
45 100

43 41.1 33.7 50.5

87 20.9 17.1 25.7

59 10.4 8.0 12.0





#23

Vinyl Acetate

Concen: 117.600 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 43 Resp: 290257

Ion Ratio Lower Upper

43 100

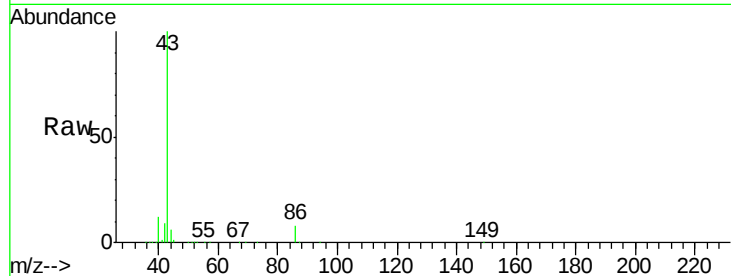
86 8.1 6.5 9.7

Manual Integrations

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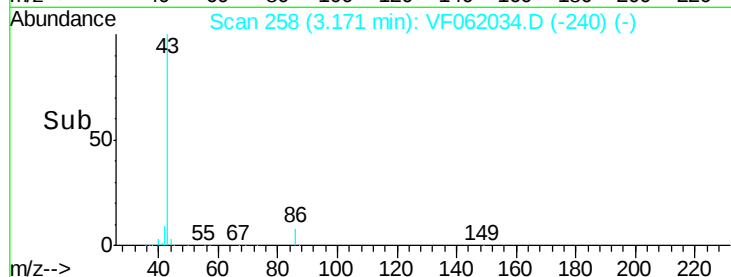
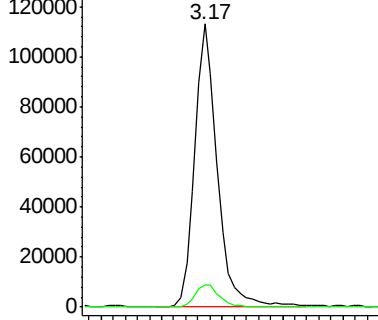
MMDadoda

3/22/2019 4:51:30 PM

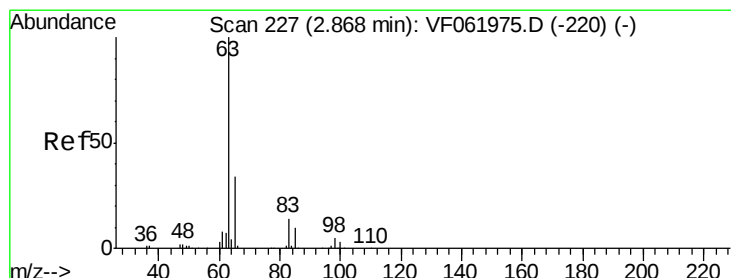


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 23.031 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

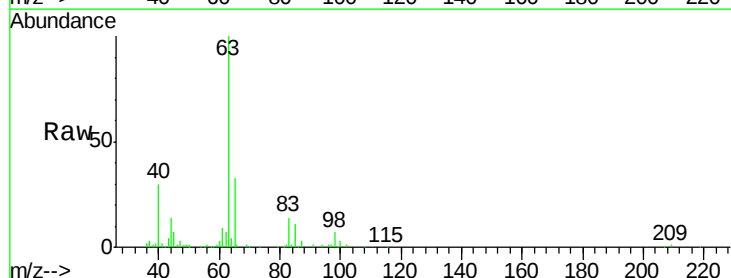
Tgt Ion: 63 Resp: 83846

Ion Ratio Lower Upper

63 100

98 6.7 2.7 8.1

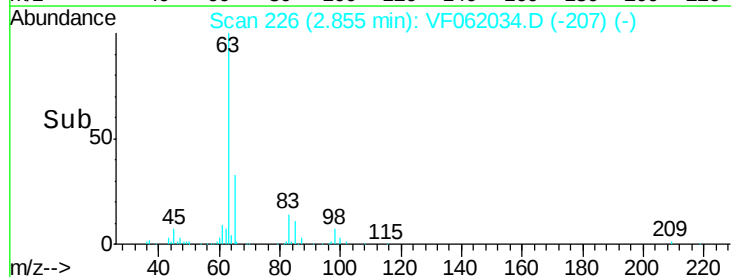
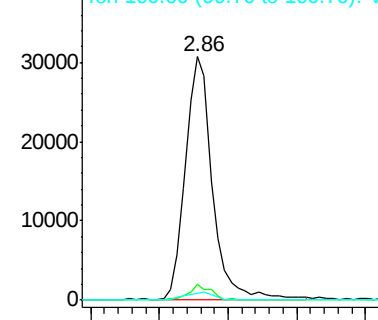
100 2.9 1.7 5.0



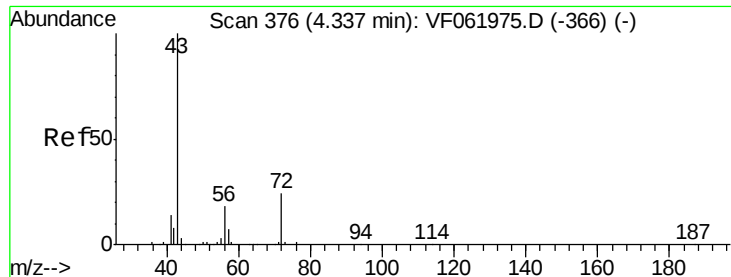
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->



#25

2-Butanone

Concen: 110.965 ug/l

RT: 4.31 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 43 Resp: 85826

Ion Ratio Lower Upper

43 100

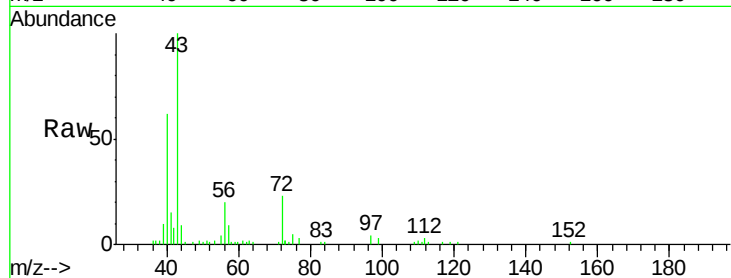
72 22.6 19.8 29.6

Manual Integrations

APPROVED

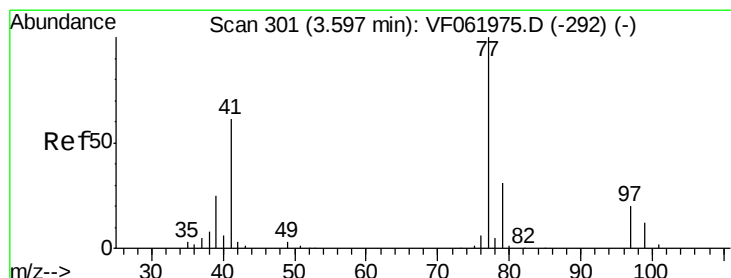
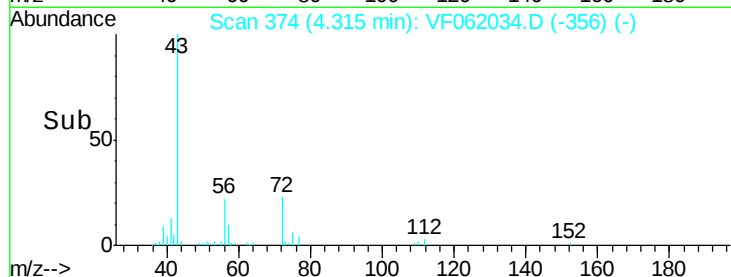
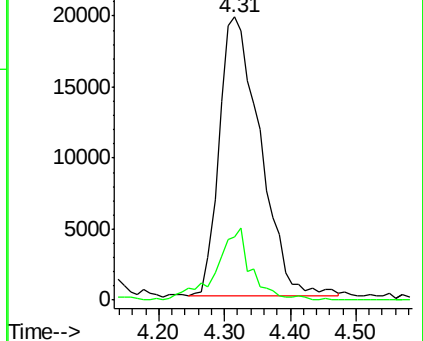
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.439 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF062034.D

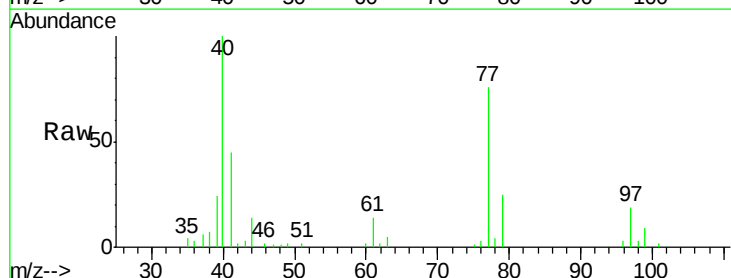
Acq: 20 Mar 2019 12:20

Tgt Ion: 77 Resp: 36815

Ion Ratio Lower Upper

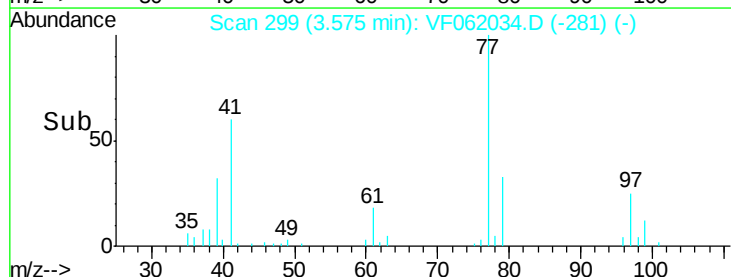
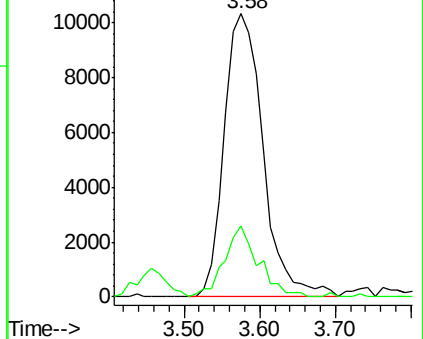
77 100

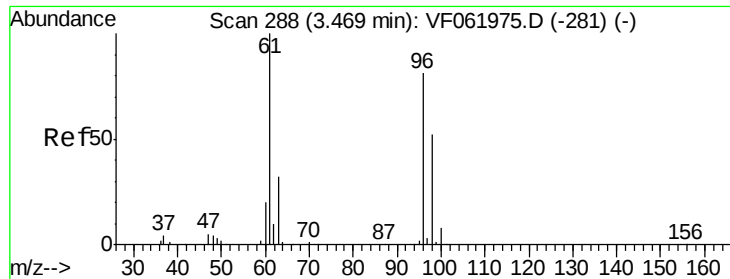
97 25.0 10.8 32.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

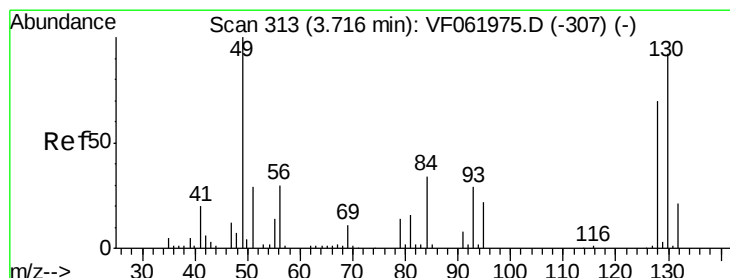
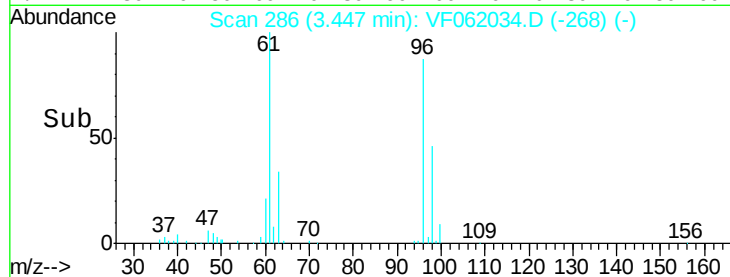
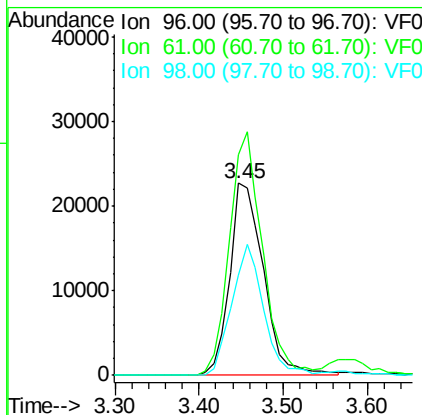
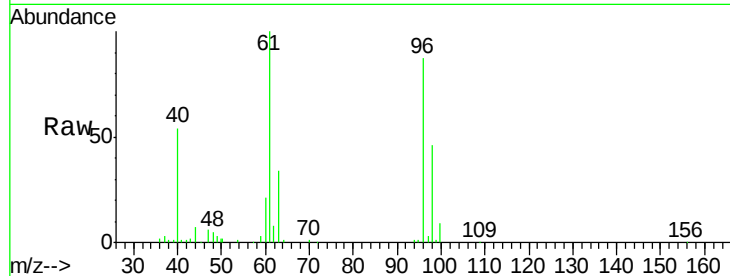
cis-1,2-Dichloroethene
Concen: 23.755 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.9	0.0	246.6
98	52.4	0.0	129.2

Manual Integrations
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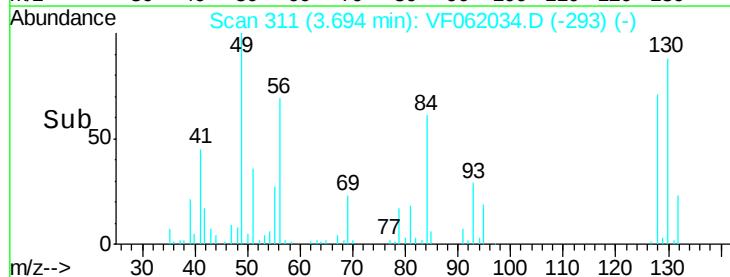
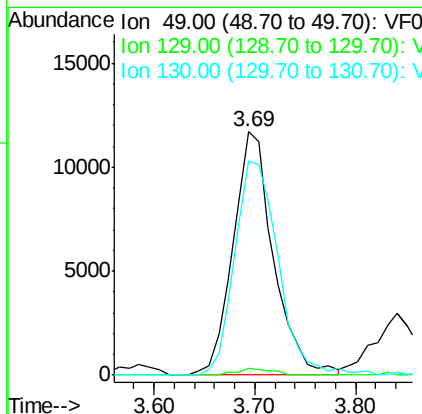
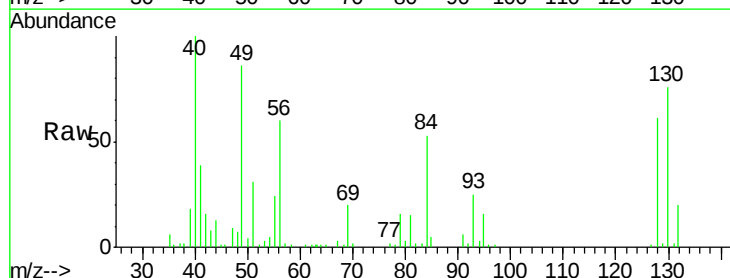
MMDadoda
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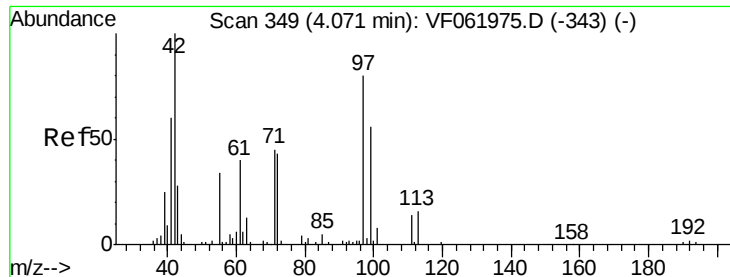


#28

Bromochloromethane
Concen: 21.611 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.8
130	88.1	73.1	109.7





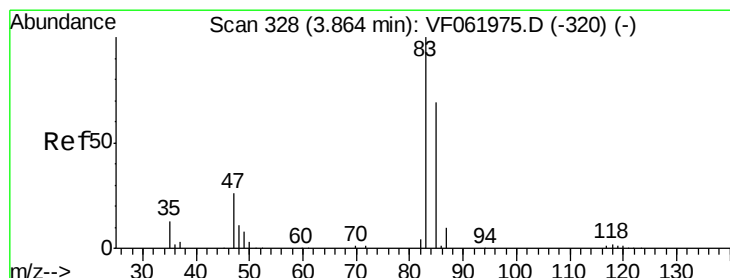
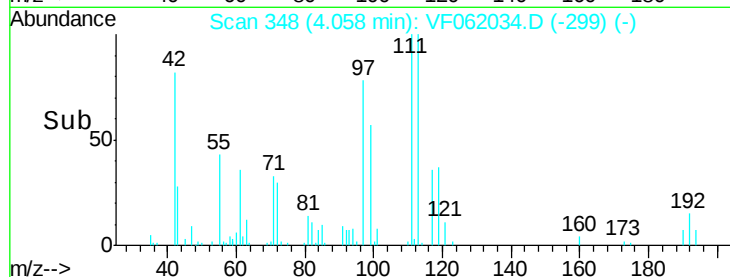
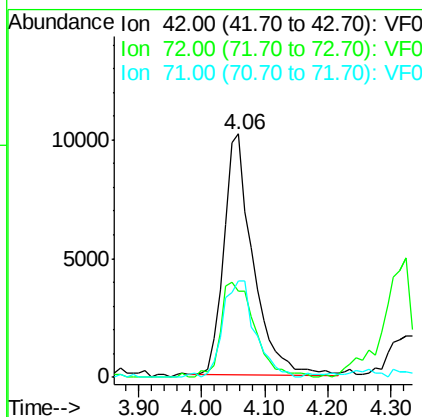
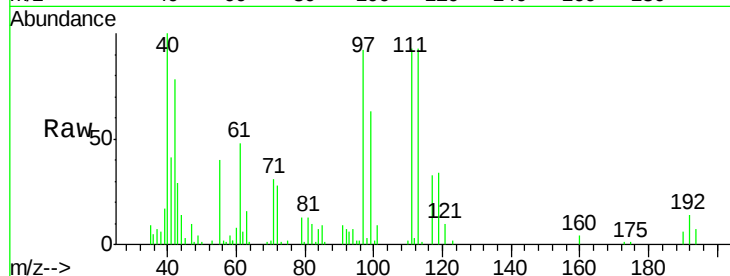
#29
Tetrahydrofuran
Concen: 96.756 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	34.0	51.0
71	44.7	34.2	51.4

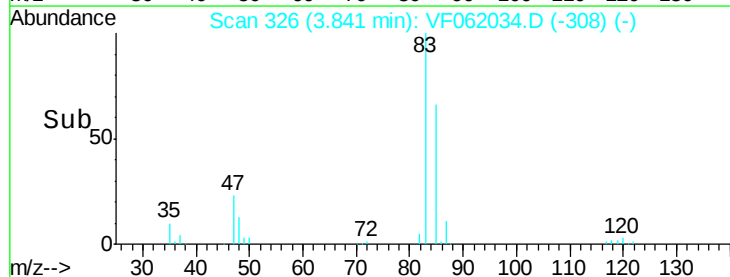
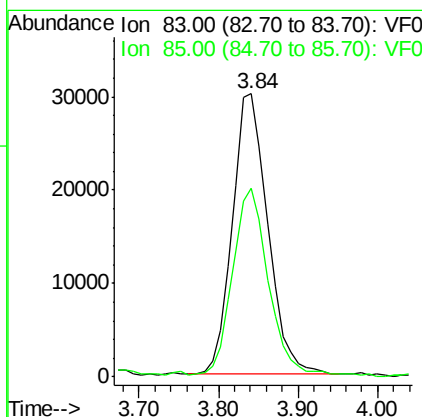
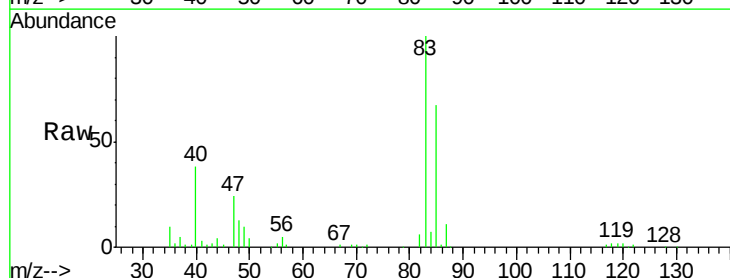
Manual Integrations
APPROVED

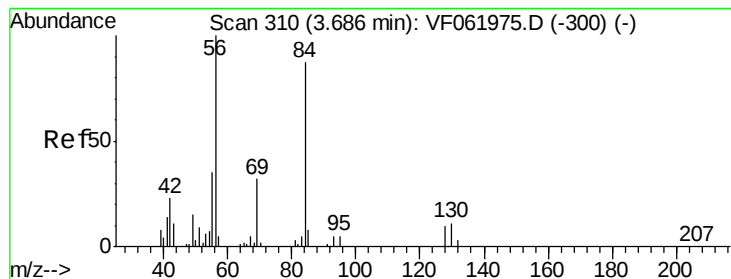
MMDadoda
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#30
Chloroform
Concen: 22.482 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	55.5	83.3





#31

Cyclohexane

Concen: 21.477 ug/l

RT: 3.66 min Scan# 308

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

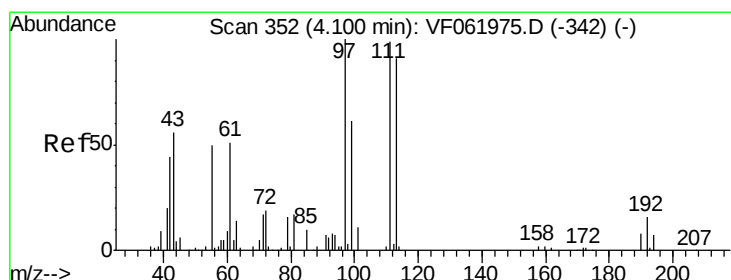
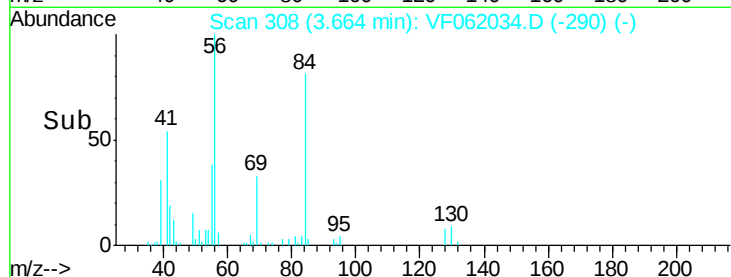
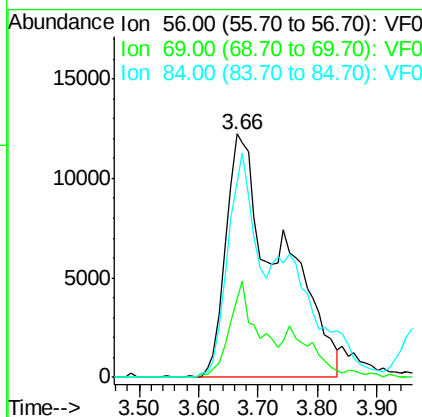
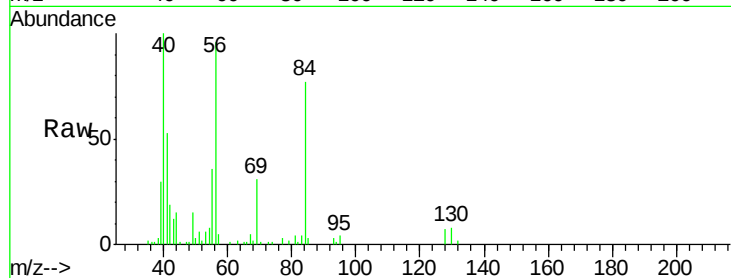
ClientSampleId :

VF0320SBS01

Tot Ion:	56	Resp:	77241
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.8	38.8
84	80.3	69.5	104.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.086 ug/l

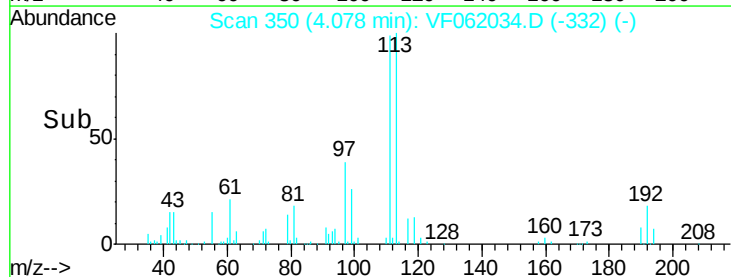
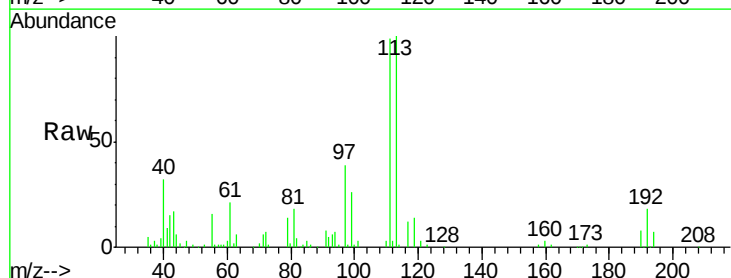
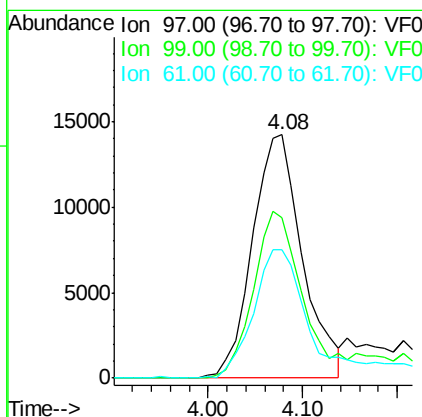
RT: 4.08 min Scan# 350

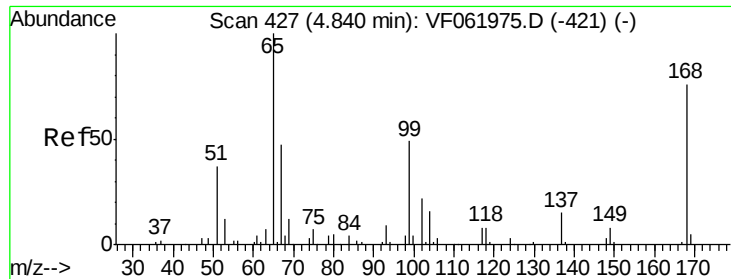
Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion:	97	Resp:	52283
Ion	Ratio	Lower	Upper
97	100		
99	66.1	49.0	73.4
61	52.7	41.4	62.0





#33

1,2-Dichloroethane-d4

Concen: 56.214 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tot Ion: 65 Resp: 97766

Ion Ratio Lower Upper

65 100

67 56.5 0.0 109.4

Instrument :

MSVOA_F

ClientSampleId :

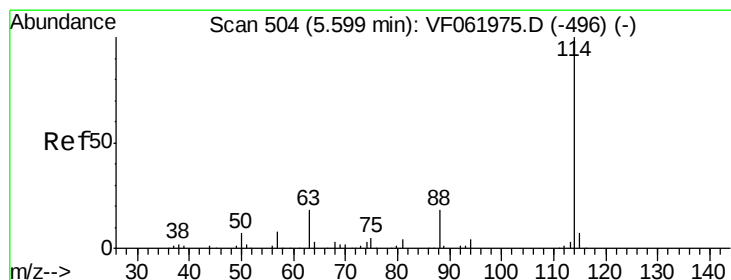
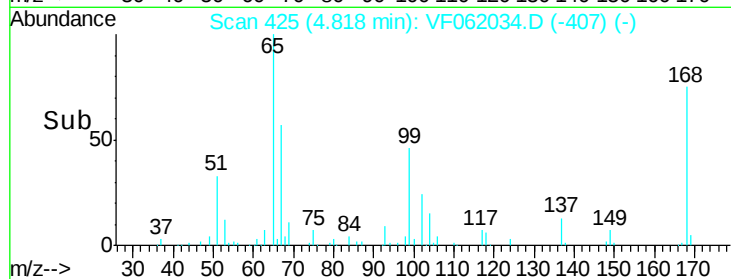
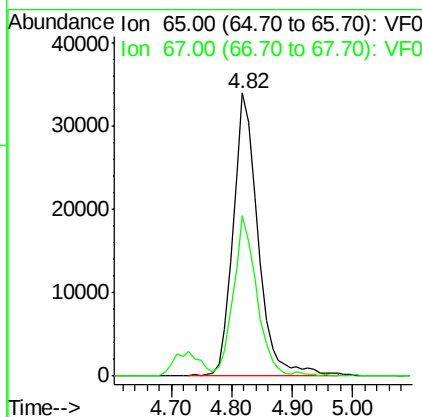
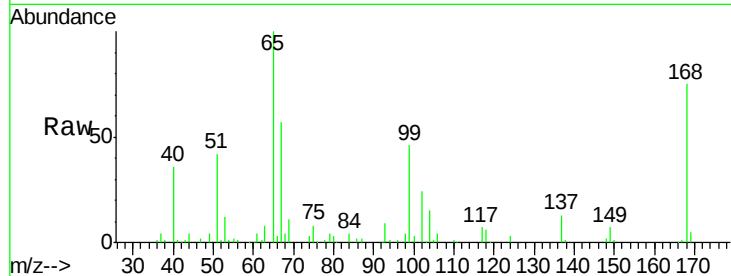
VF0320SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

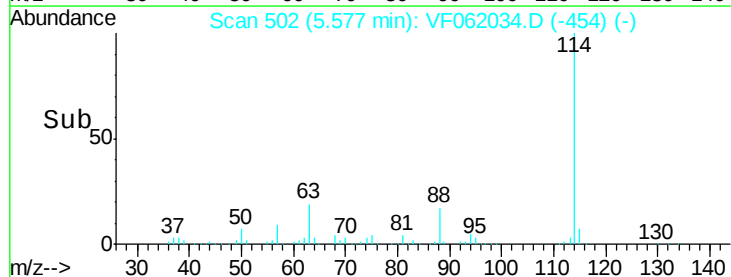
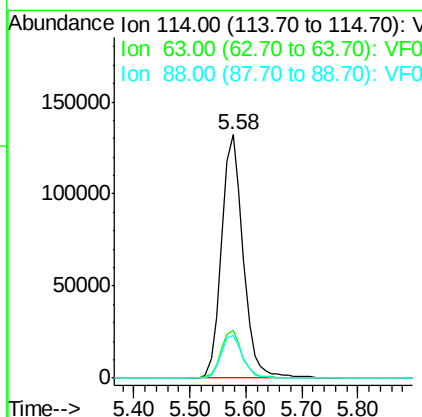
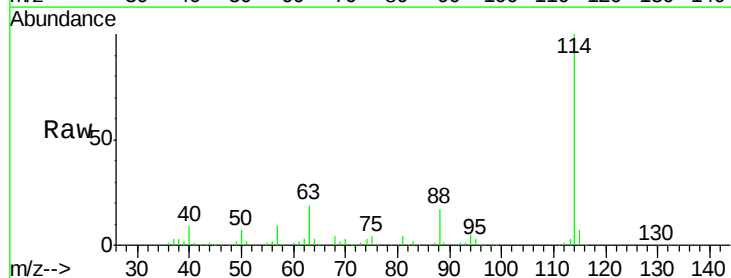
Tgt Ion: 114 Resp: 357044

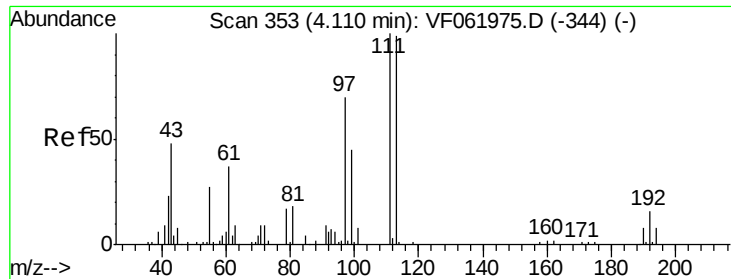
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 17.3 0.0 36.4





#35

Dibromofluoromethane

Concen: 56.364 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

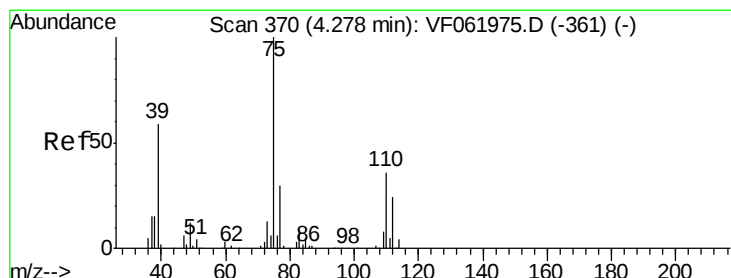
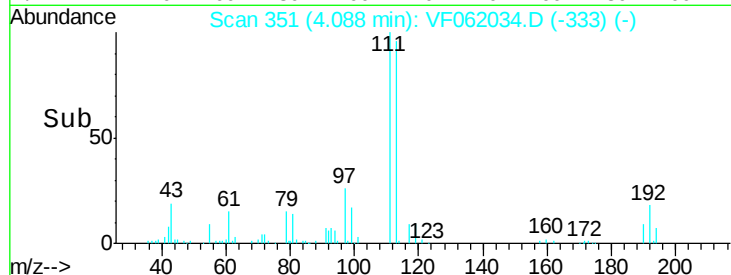
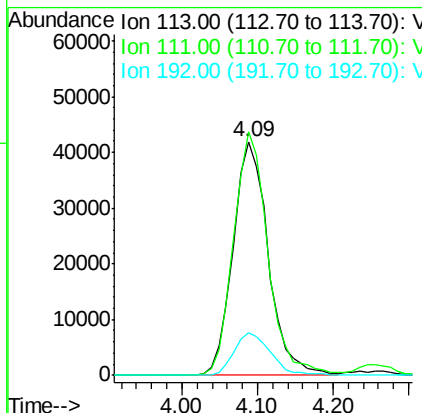
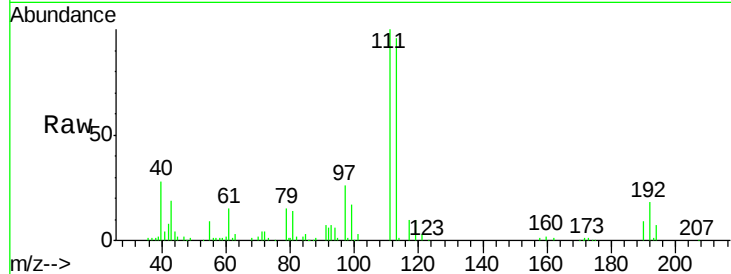
ClientSampleId :

VF0320SBS01

Tot Ion:	113	Resp:	135140
Ion Ratio	Lower	Upper	
113	100		
111	104.1	80.8	121.2
192	18.3	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 23.722 ug/l

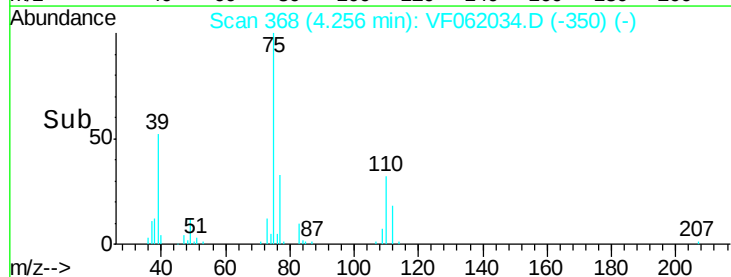
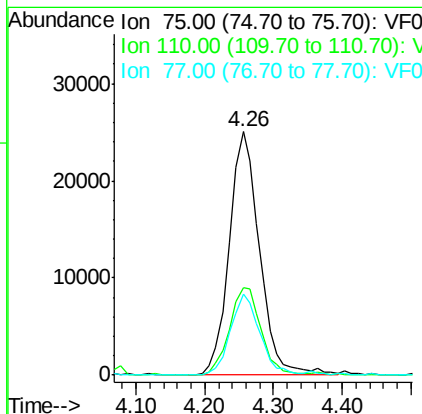
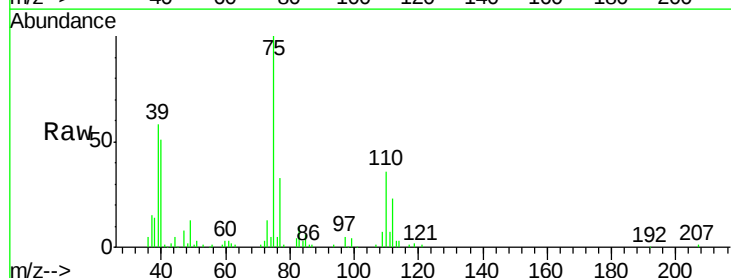
RT: 4.26 min Scan# 368

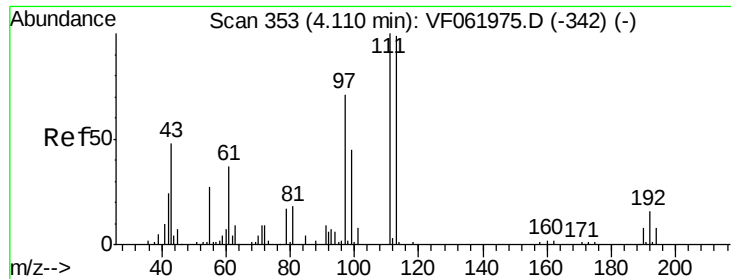
Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion:	75	Resp:	76486
Ion Ratio	Lower	Upper	
75	100		
110	35.9	17.8	53.3
77	33.1	24.2	36.2





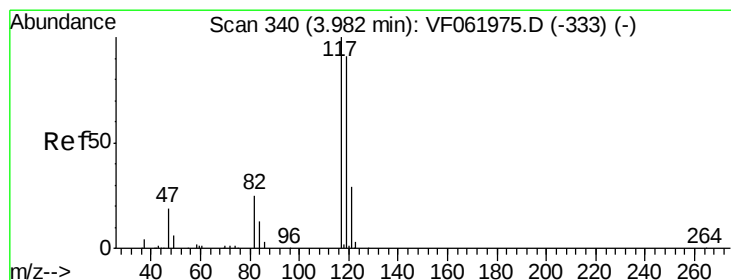
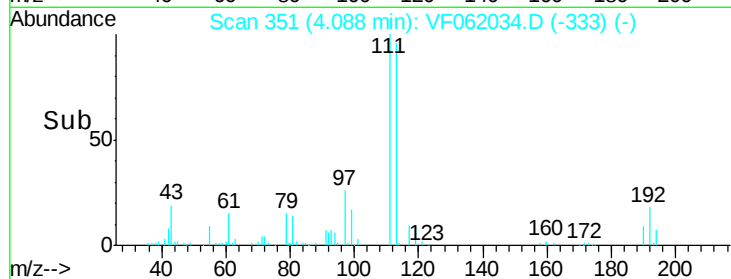
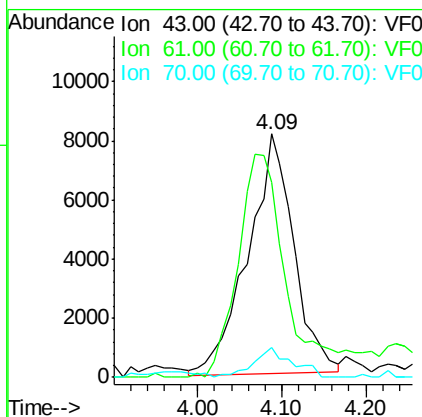
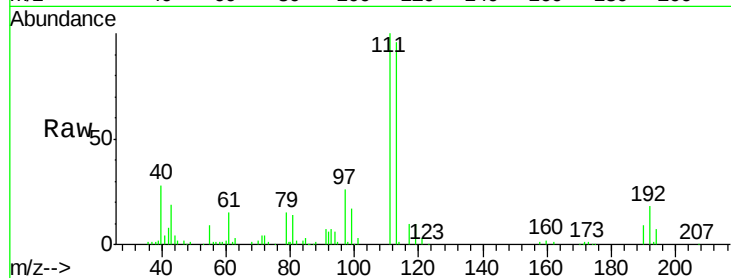
#37
Ethyl Acetate
Concen: 21.320 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	80.0	59.8	89.6
70	12.3	7.8	11.8#

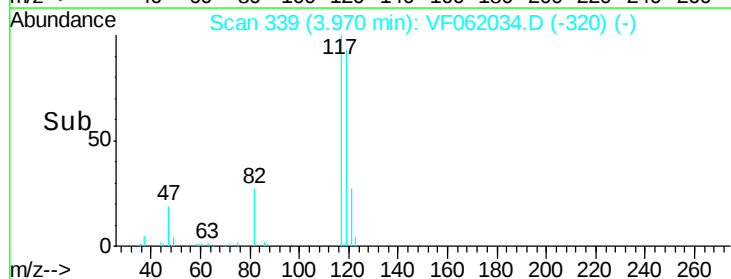
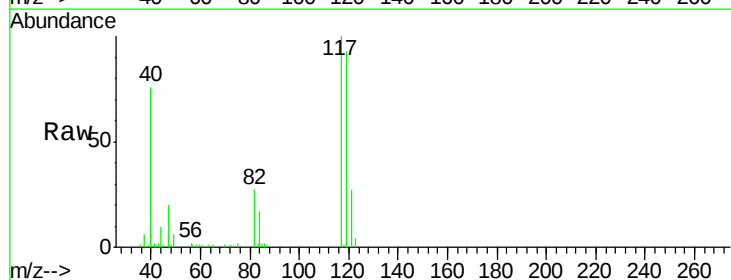
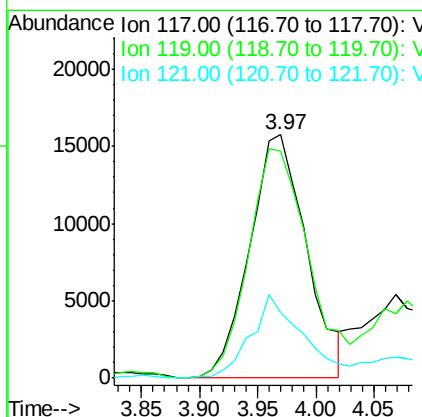
Manual Integrations
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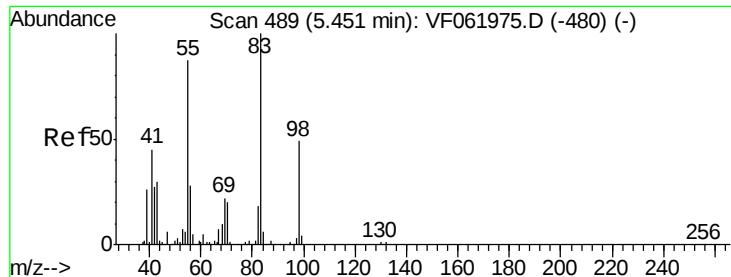
MMDadoda
3/22/2019 4:51:30 PM



#38
Carbon Tetrachloride
Concen: 22.570 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	73.0	109.4
121	27.0	23.0	34.6





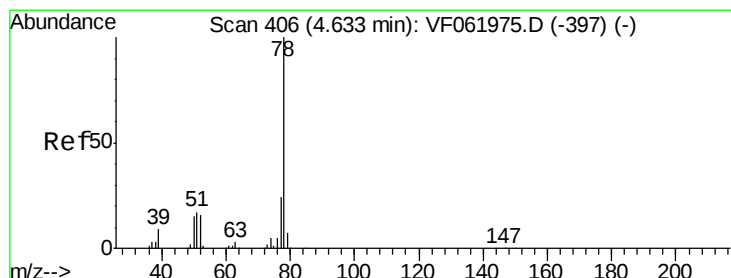
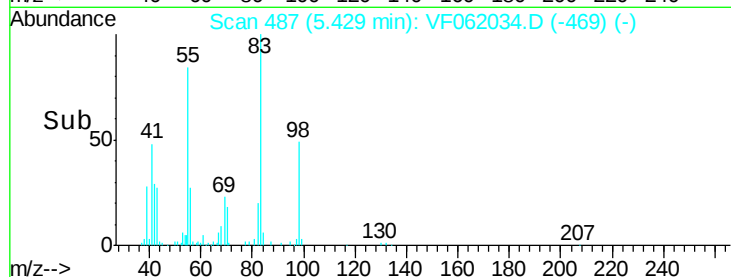
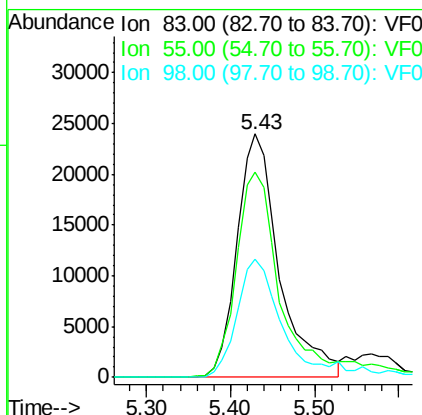
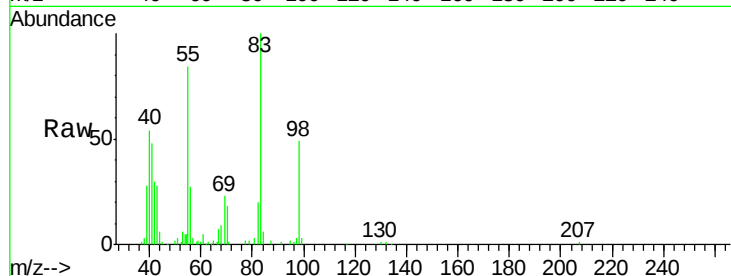
#39
Methvlcvclohexane
Concen: 22.214 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	83	Resp	84086
Ion Ratio	Lower	Upper	
83	100		
55	84.2	69.7	104.5
98	48.8	39.4	59.0

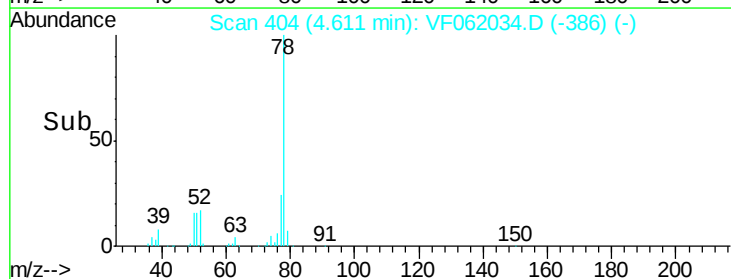
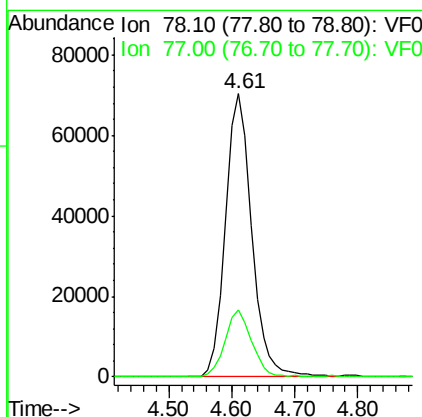
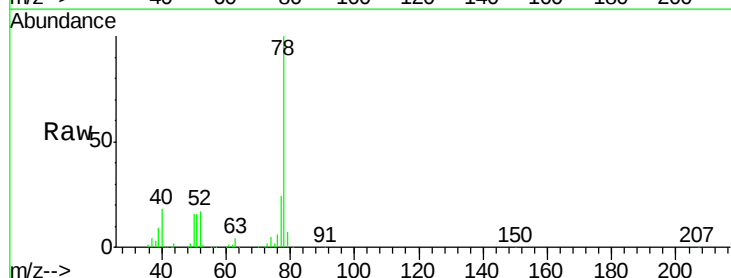
Manual Integrations
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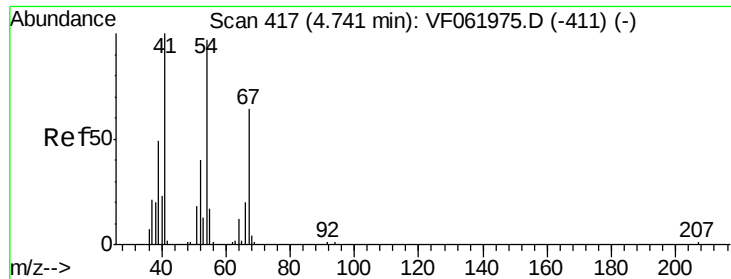
MMDadoda
3/22/2019 4:51:30 PM



#40
Benzene
Concen: 23.819 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion	78	Resp	203498
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.4





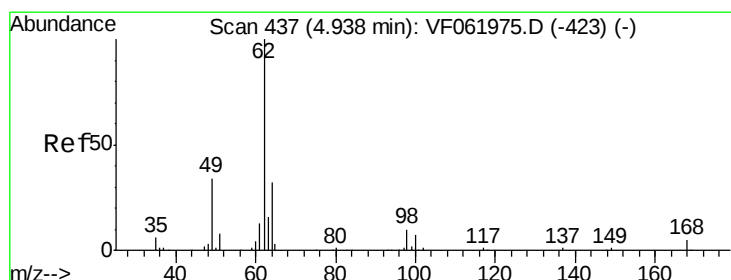
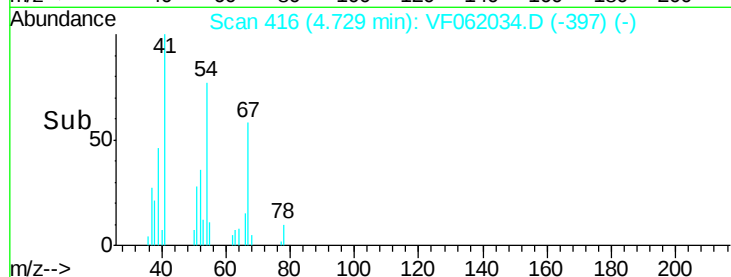
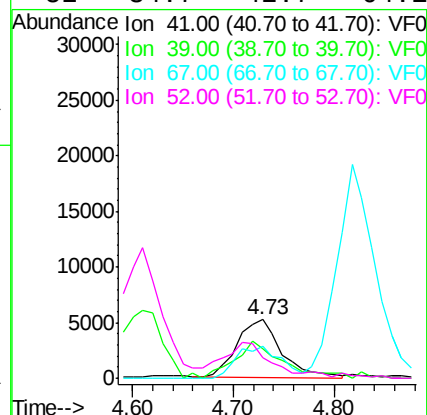
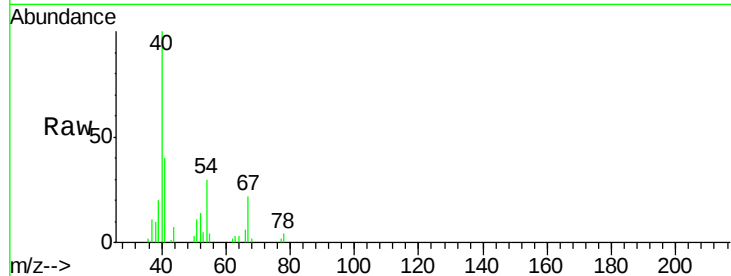
#41
Methacrylonitrile
Concen: 20.886 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.6	46.2	69.4
67	55.8	49.8	74.8
52	34.7	42.7	64.1#

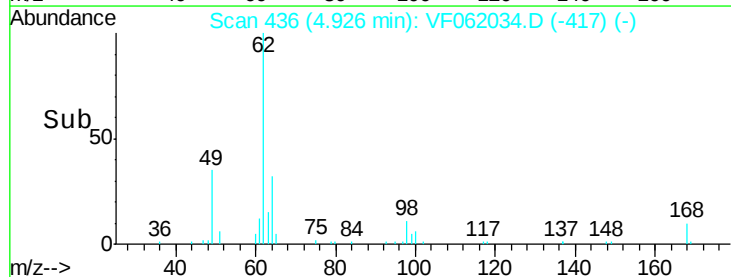
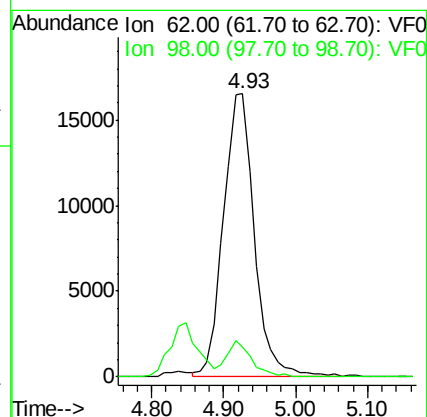
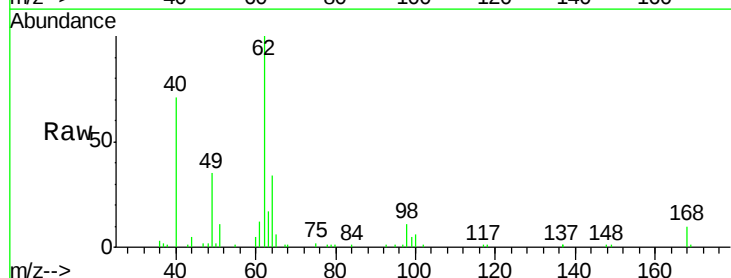
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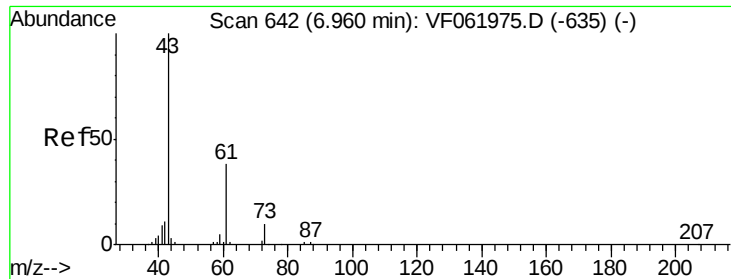
MMDadoda
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#42
1,2-Dichloroethane
Concen: 23.193 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	19.8





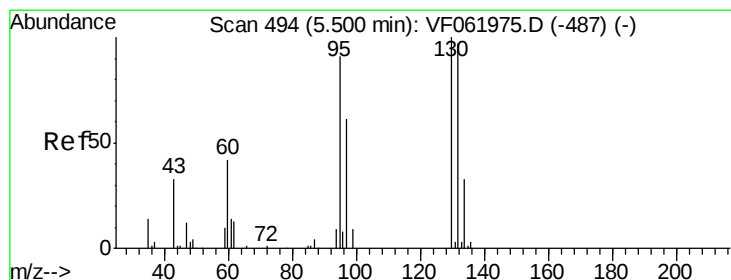
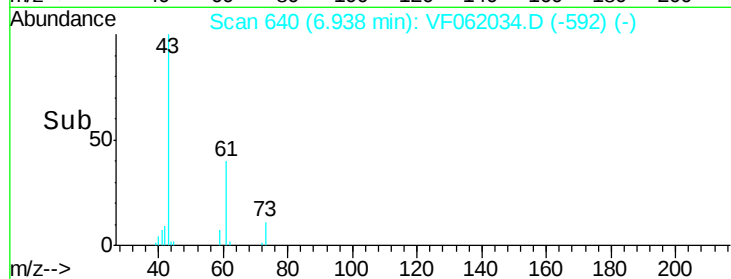
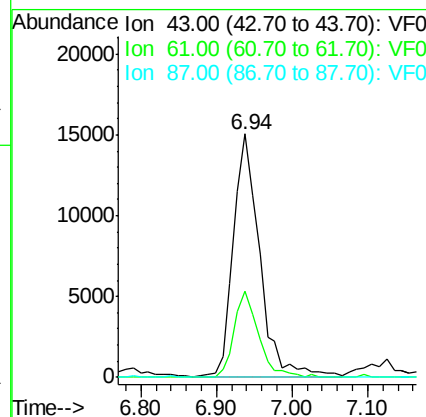
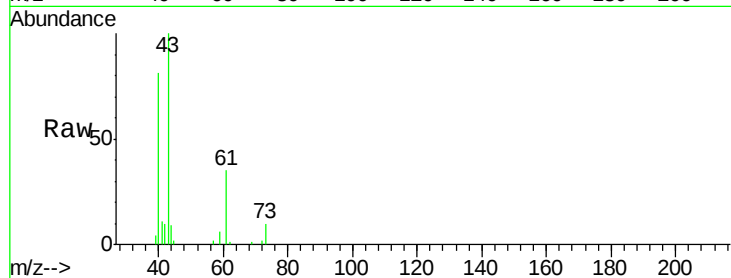
#43
Isopropyl Acetate
Concen: 21.330 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.2	30.1	45.1
87	0.0	0.4	0.6

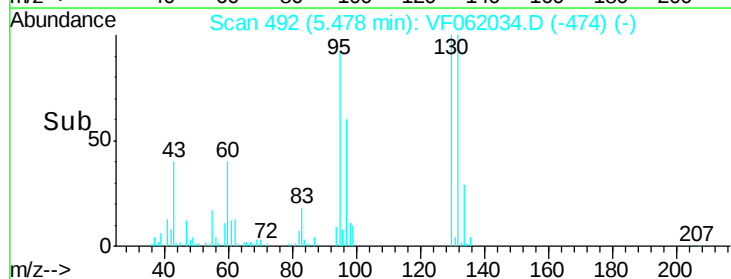
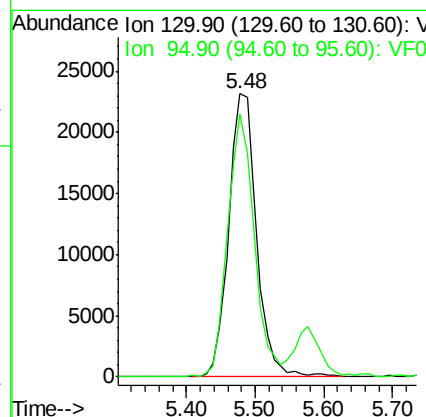
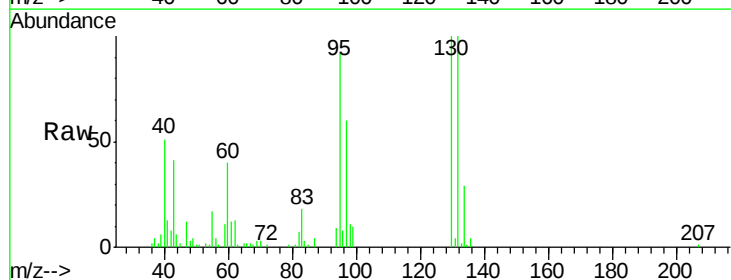
Manual Integrations
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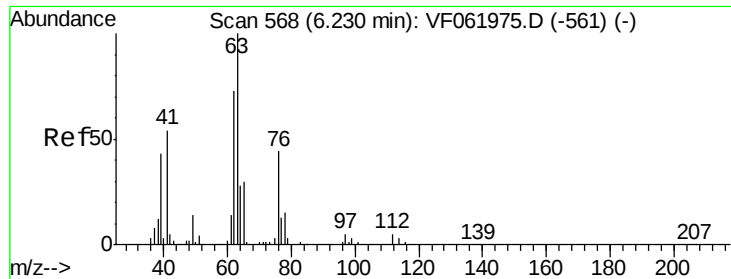
MMDadoda
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#44
Trichloroethene
Concen: 24.753 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	181.4





#45

1,2-Dichloropropane

Concen: 22.617 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 63 Resp: 45730

Ion Ratio Lower Upper

63 100

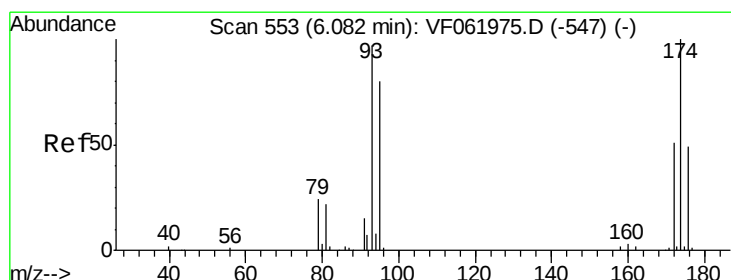
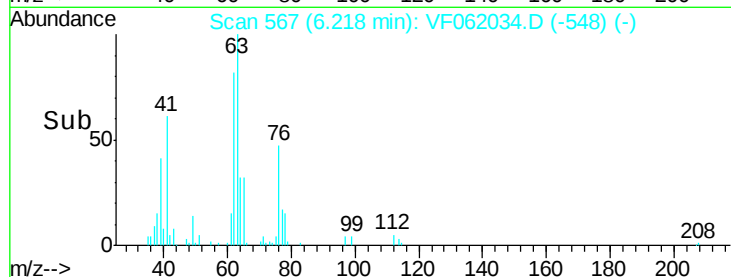
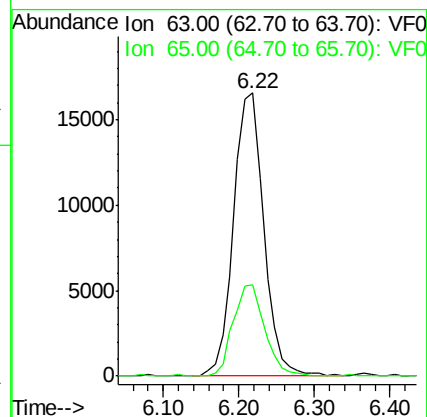
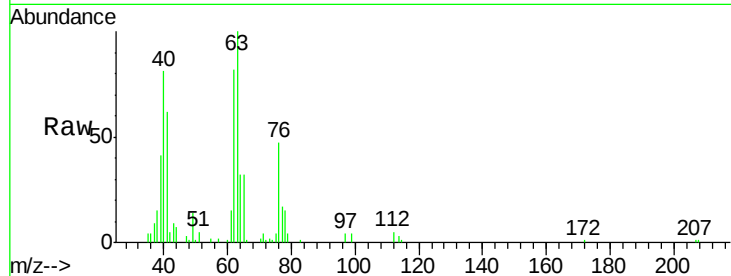
65 32.4 23.7 35.5

Manual Integrations

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3/22/2019 4:51:30 PM



#46

Dibromomethane

Concen: 23.408 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

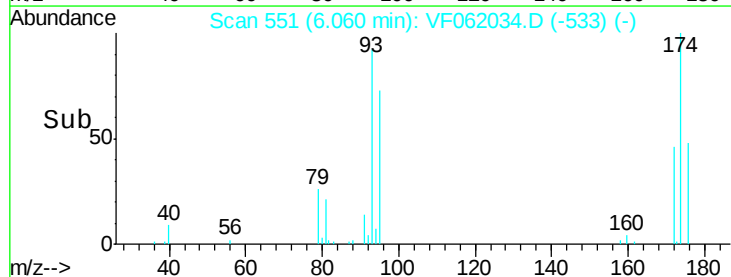
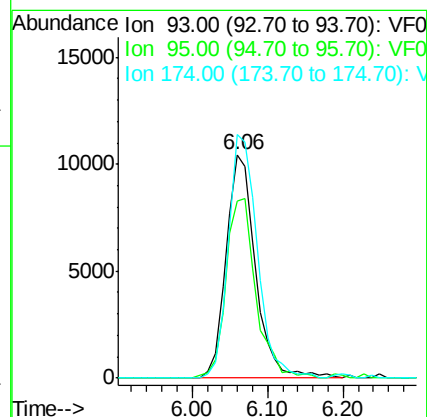
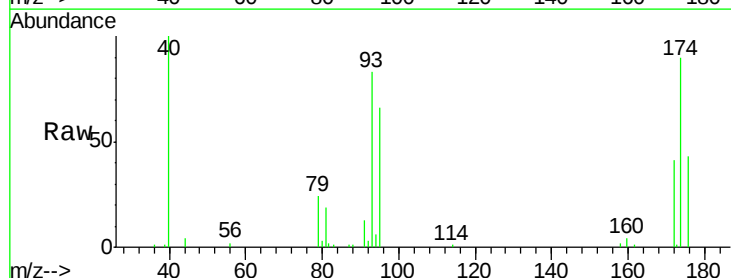
Tgt Ion: 93 Resp: 28155

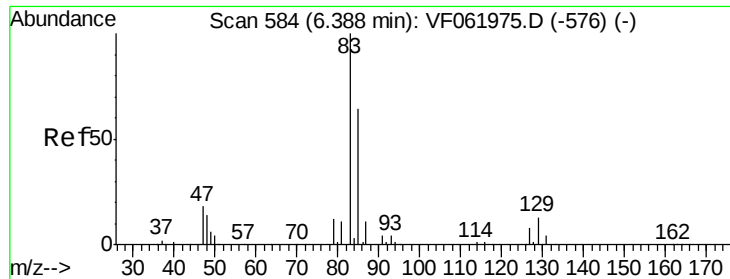
Ion Ratio Lower Upper

93 100

95 79.5 65.7 98.5

174 109.0 82.2 123.4





#47

Bromodichloromethane

Concen: 23.148 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

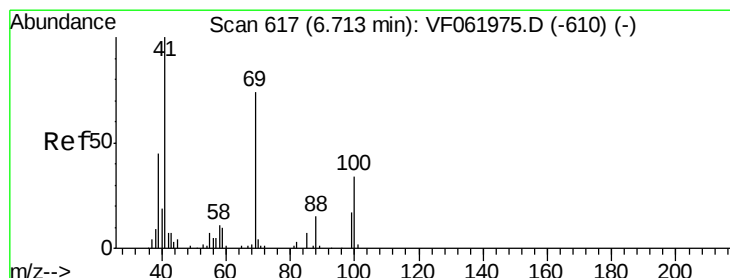
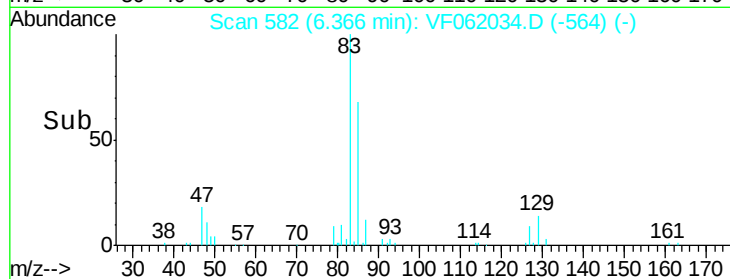
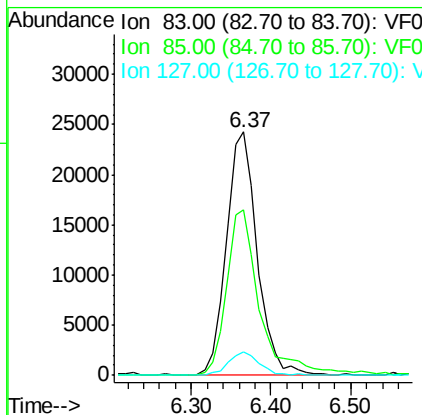
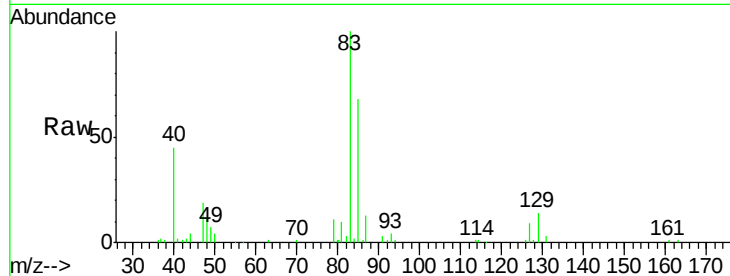
ClientSampleId :

VF0320SBS01

Tot Ion:	83	Resp:	65639
Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.4	77.2
127	9.5	6.5	9.7

Manual Integrations
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3/22/2019 4:51:30 PM



#48

Methyl methacrylate

Concen: 20.965 ug/l

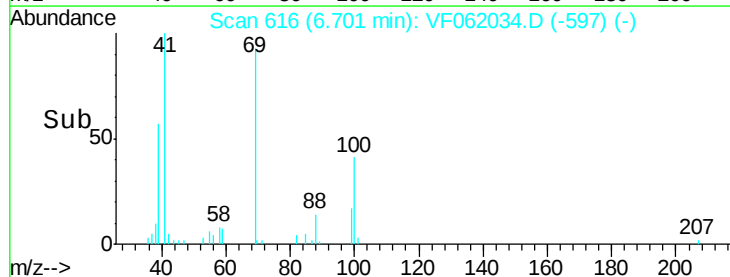
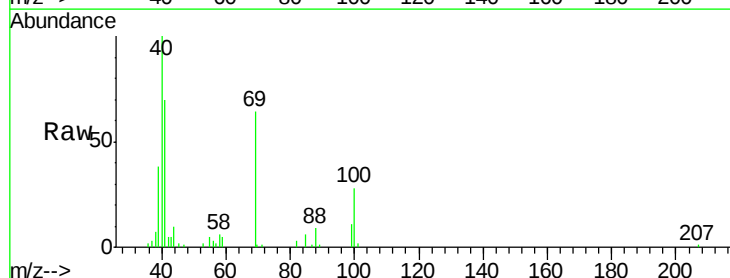
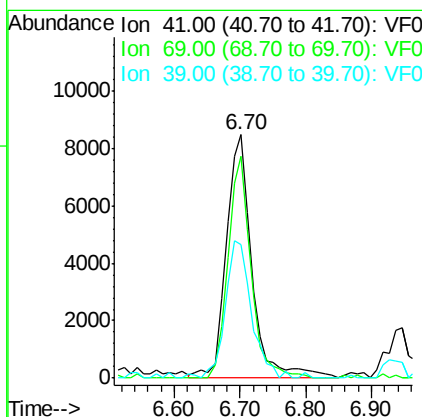
RT: 6.70 min Scan# 616

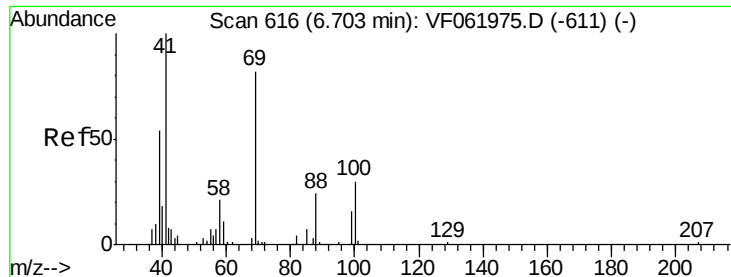
Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion:	41	Resp:	23209
Ion	Ratio	Lower	Upper
41	100		
69	91.0	59.0	88.6#
39	54.8	35.6	53.4#





#49

1,4-Dioxane

Concen: 492.937 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

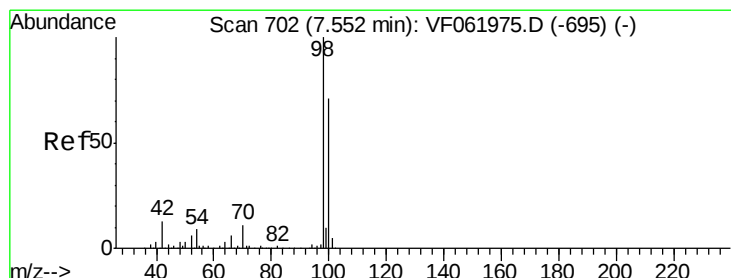
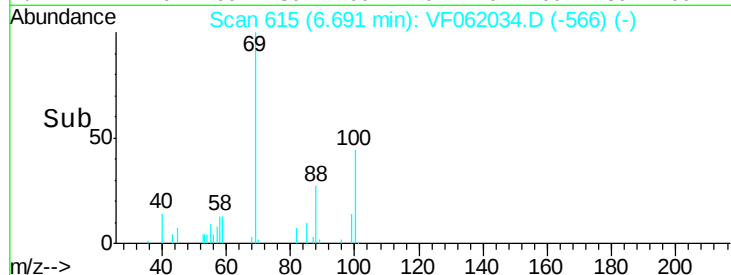
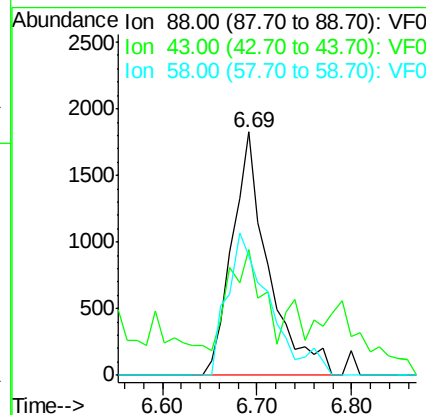
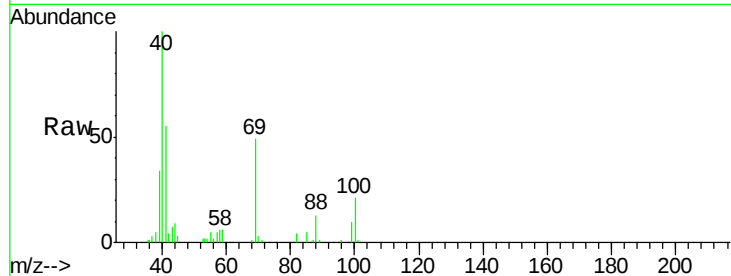
ClientSampleId :

VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	51.5	31.2	46.8#	
58	49.1	69.9	104.9#	

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3/22/2019 4:51:30 PM



#50

Toluene-d8

Concen: 53.894 ug/l

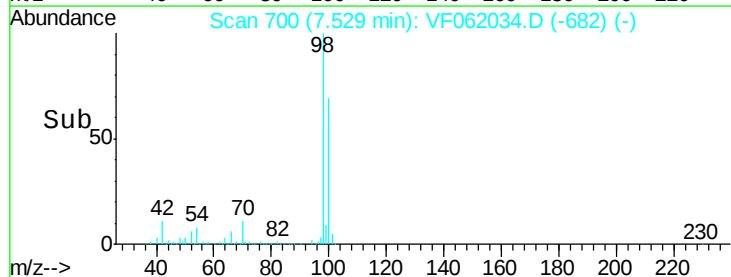
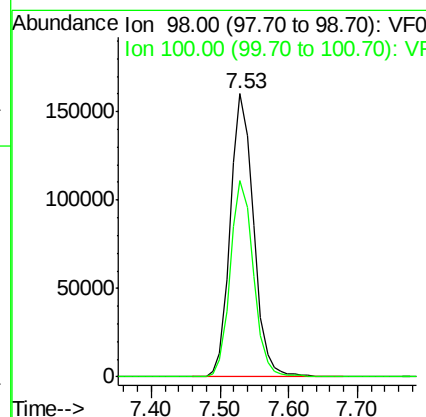
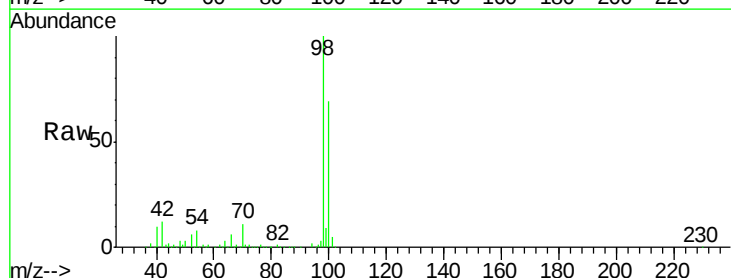
RT: 7.53 min Scan# 700

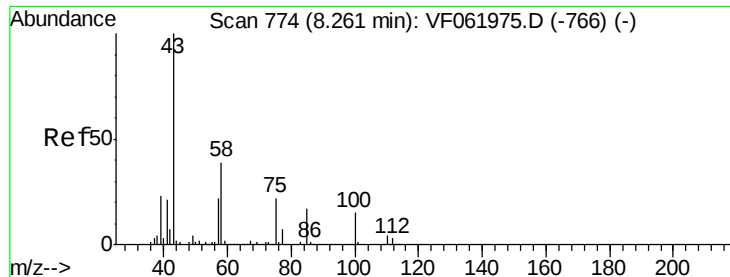
Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	69.4	56.8	85.2	





#51

4-Methyl-2-Pentanone

Concen: 114.349 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 43 Resp: 139088

Ion Ratio Lower Upper

43 100

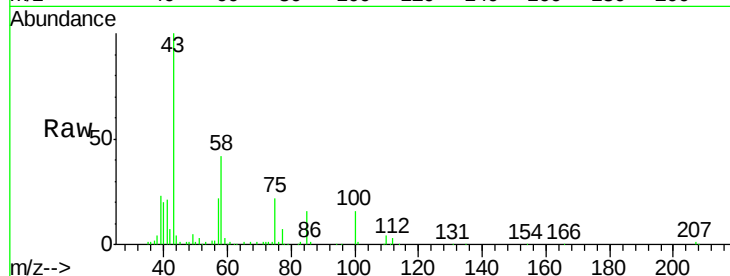
58 41.7 31.1 46.7

Manual Integrations

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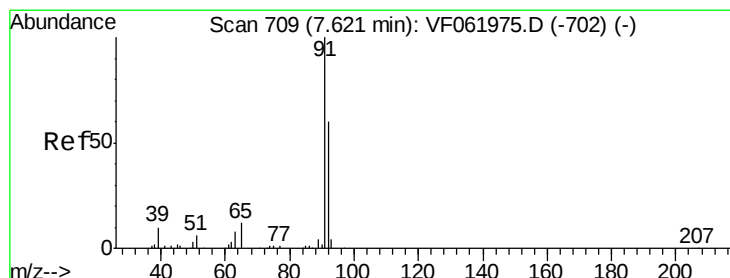
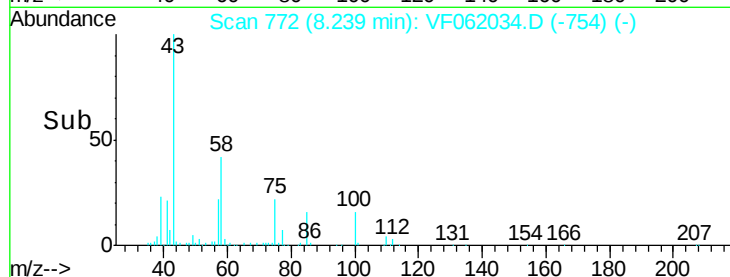
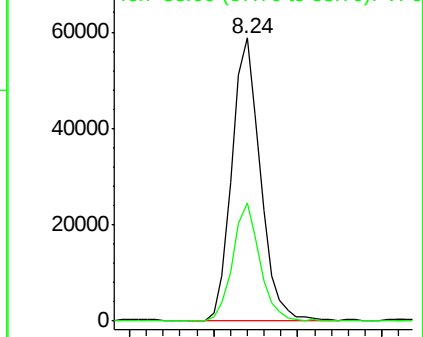
MMDadoda

3/22/2019 4:51:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.668 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF062034.D

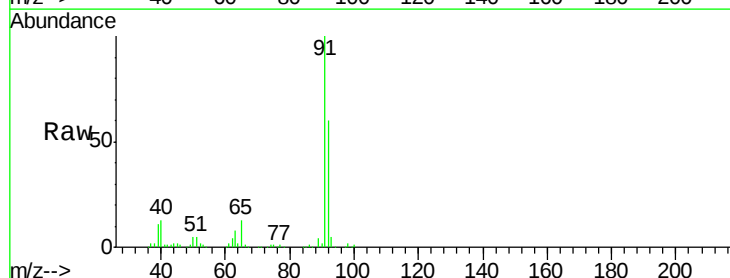
Acq: 20 Mar 2019 12:20

Tgt Ion: 92 Resp: 118330

Ion Ratio Lower Upper

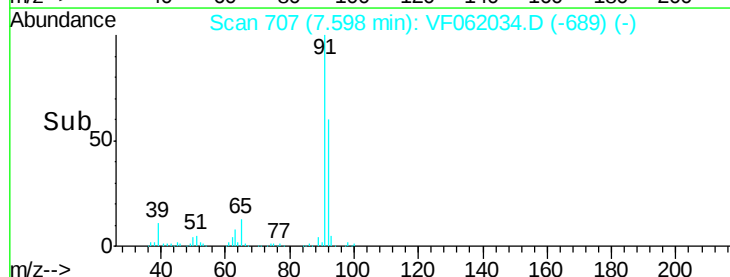
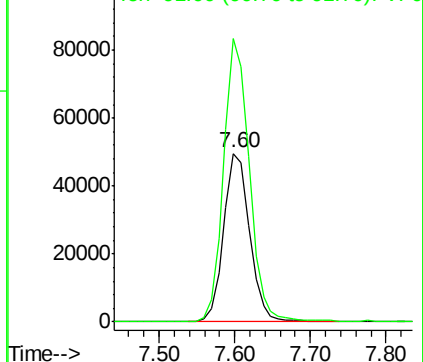
92 100

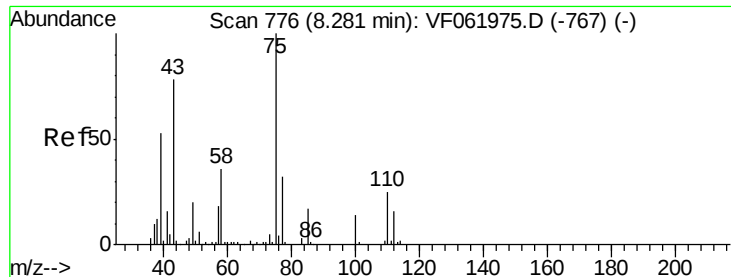
91 168.0 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





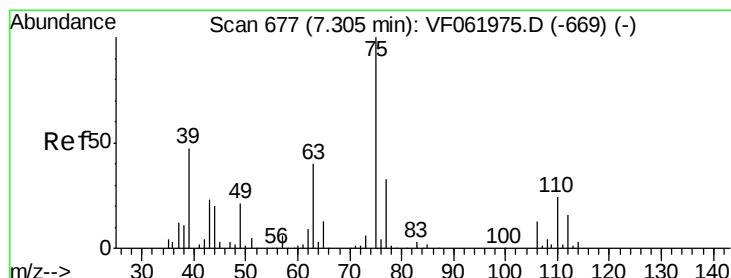
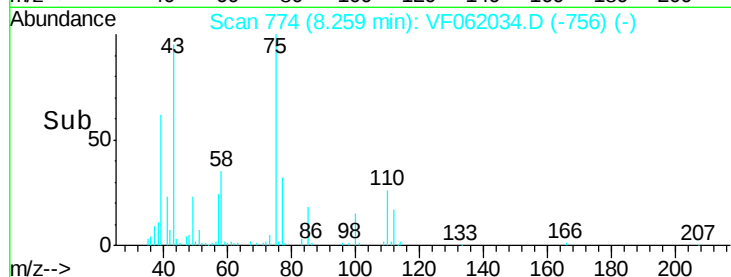
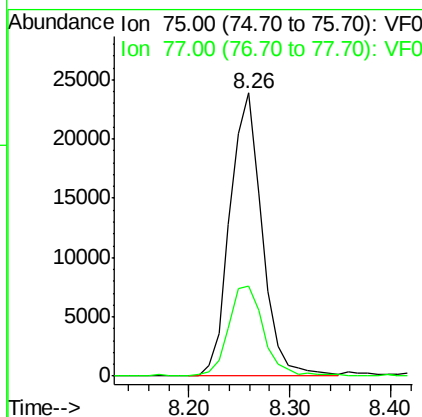
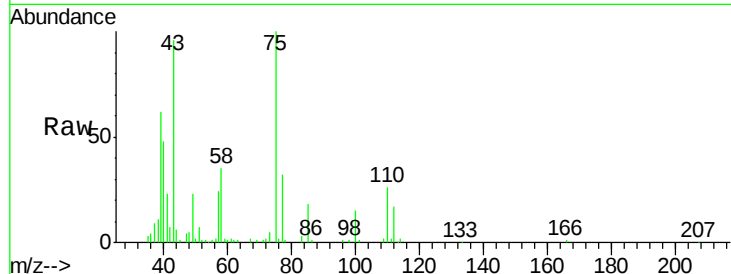
#53
t-1,3-Dichloropropene
Concen: 22.105 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion: 75 Resp: 52919
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3

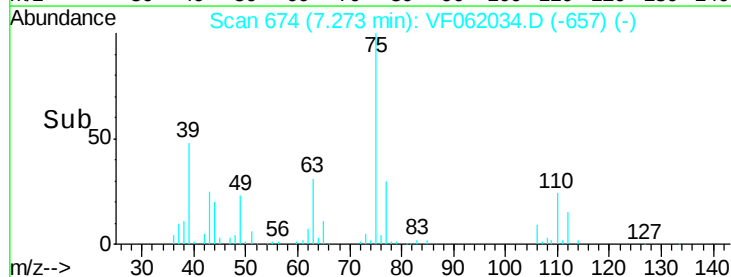
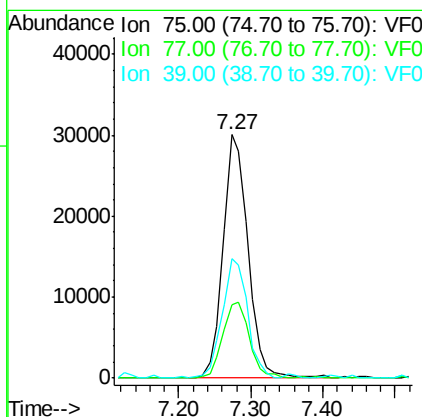
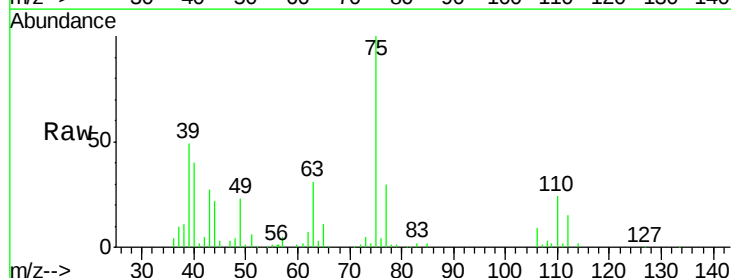
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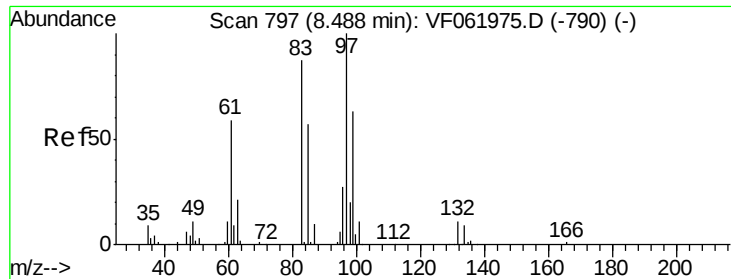
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3/22/2019 4:51:30 PM



#54
cis-1,3-Dichloropropene
Concen: 23.135 ug/l
RT: 7.27 min Scan# 674
Delta R.T. -0.03 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 75 Resp: 72267
Ion Ratio Lower Upper
75 100
77 30.2 26.4 39.6
39 48.9 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 22.545 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 97 Resp: 32846

Ion Ratio Lower Upper

97 100

83 87.7 69.7 104.5

85 65.9 45.8 68.6

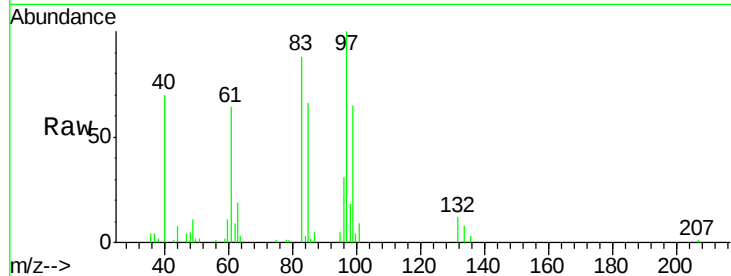
99 64.7 50.3 75.5

Manual Integrations

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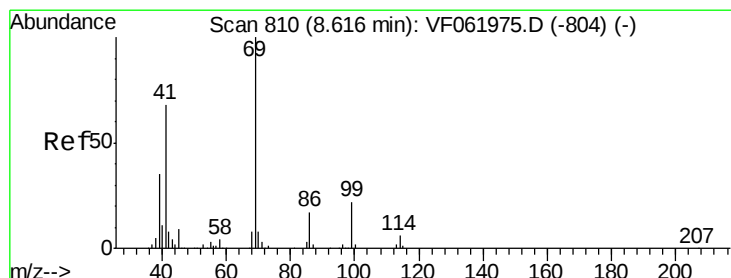
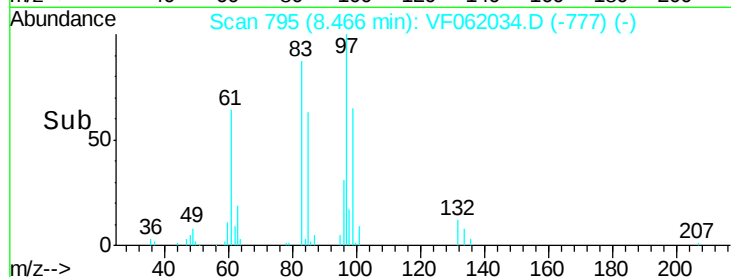
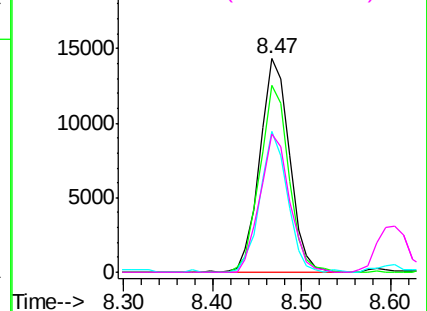


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.826 ug/l

RT: 8.59 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

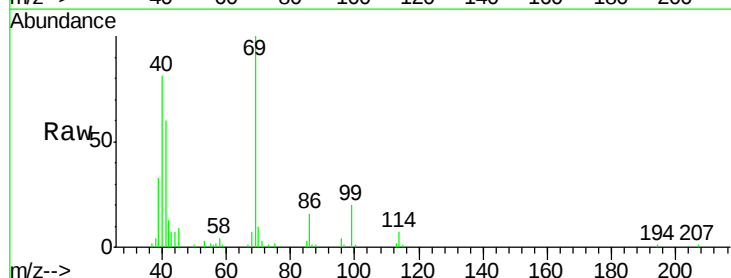
Tgt Ion: 69 Resp: 34491

Ion Ratio Lower Upper

69 100

41 59.6 54.7 82.1

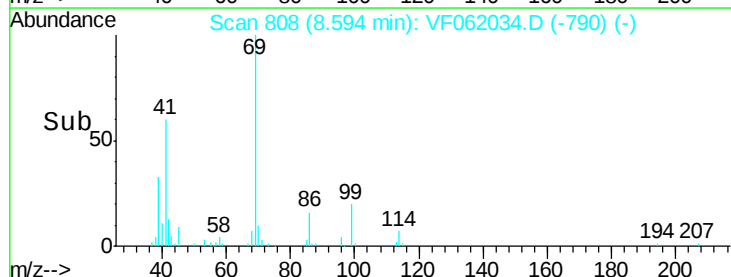
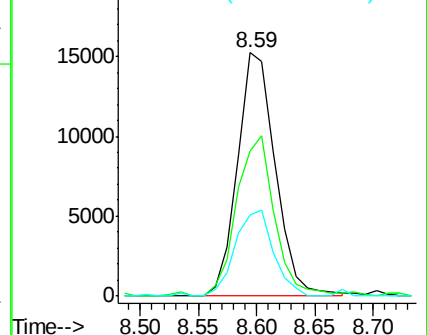
39 33.3 27.9 41.9

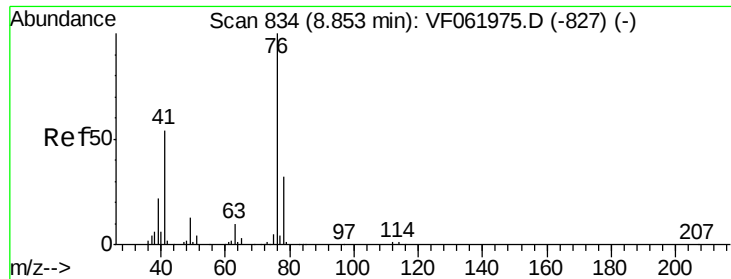


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





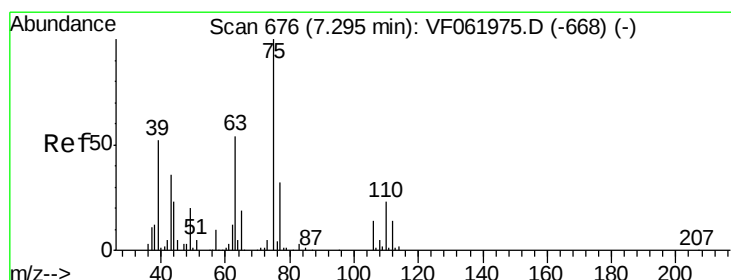
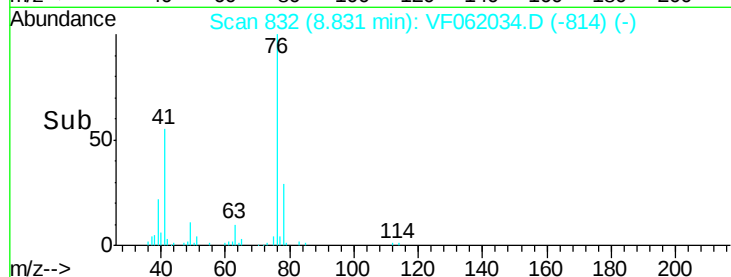
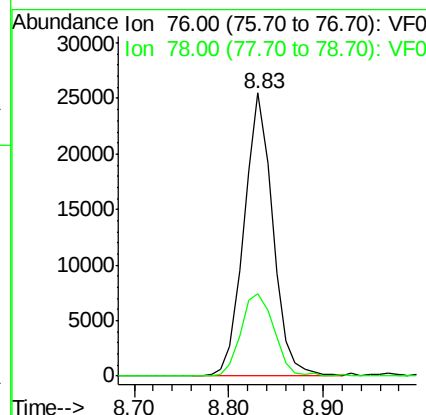
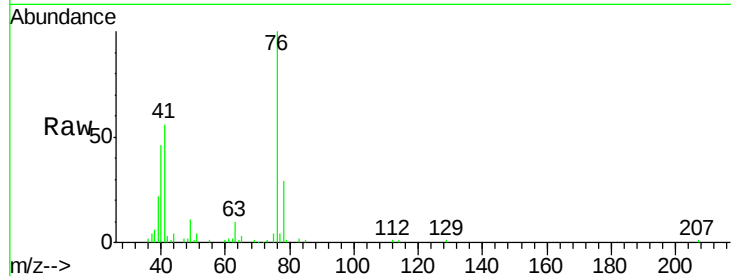
#57
 1,3-Dichloropropane
 Concen: 22.127 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	29.0	25.4	38.2

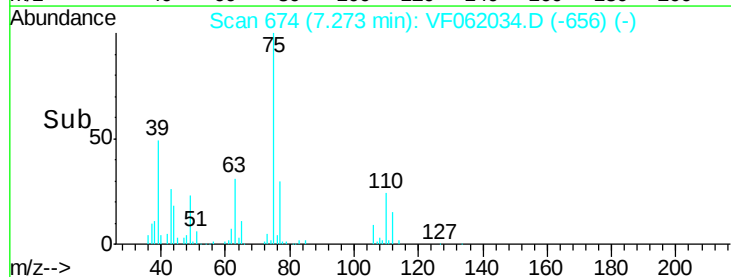
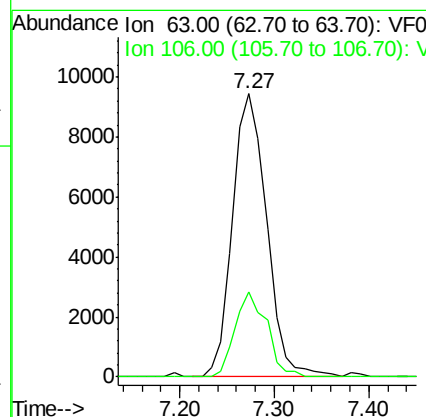
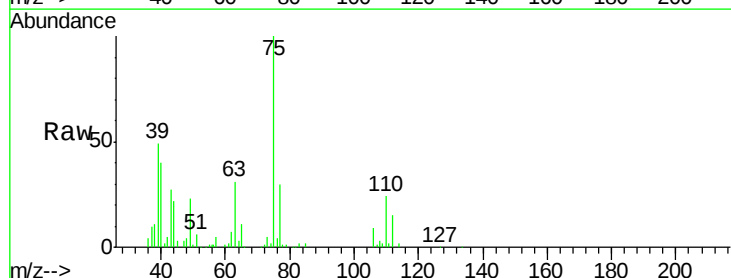
Manual Integrations
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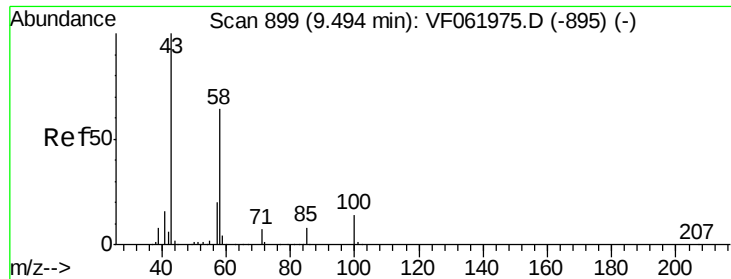
MMDadoda
 3/22/2019 4:51:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 78.688 ug/l
 RT: 7.27 min Scan# 674
 Delta R.T. -0.02 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	20.9	31.3





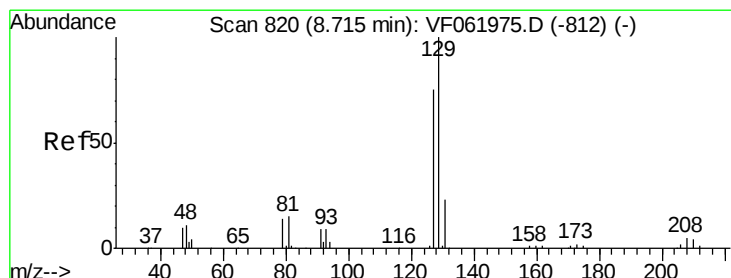
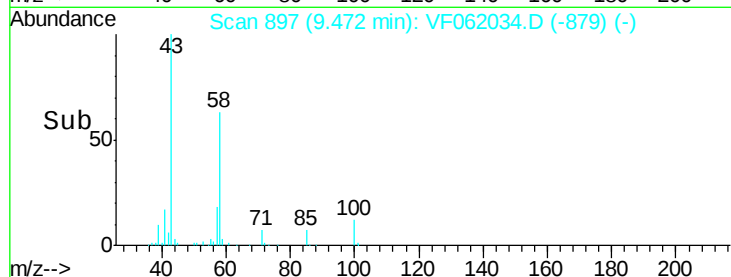
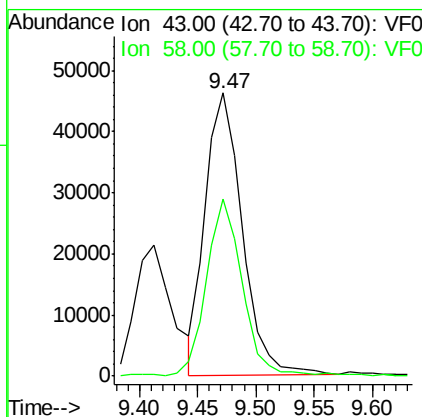
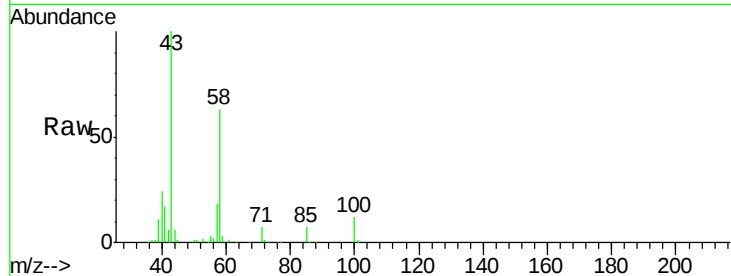
#59
2-Hexanone
Concen: 115.188 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion: 43 Resp: 101398
Ion Ratio Lower Upper
43 100
58 62.6 28.4 85.2

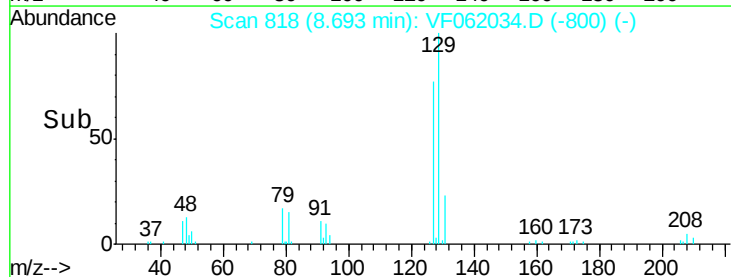
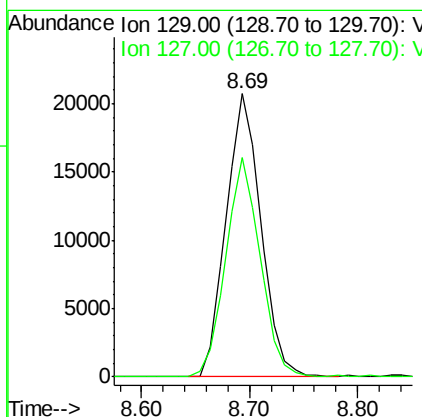
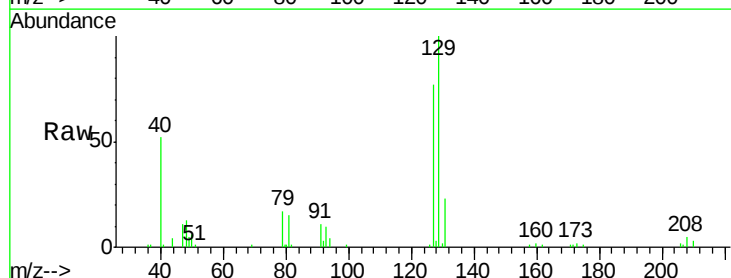
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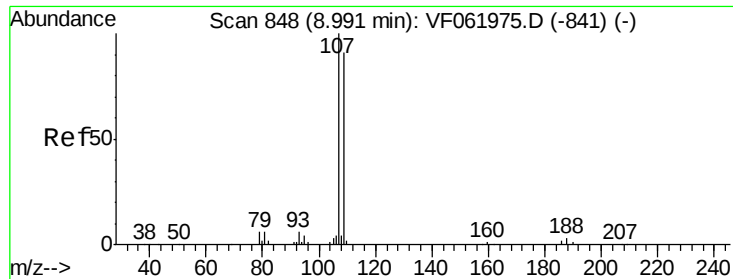
MMDadoda
3/22/2019 4:51:30 PM



#60
Dibromochloromethane
Concen: 22.949 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion: 129 Resp: 46416
Ion Ratio Lower Upper
129 100
127 77.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 22.656 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion:107 Resp: 35407

Ion Ratio Lower Upper

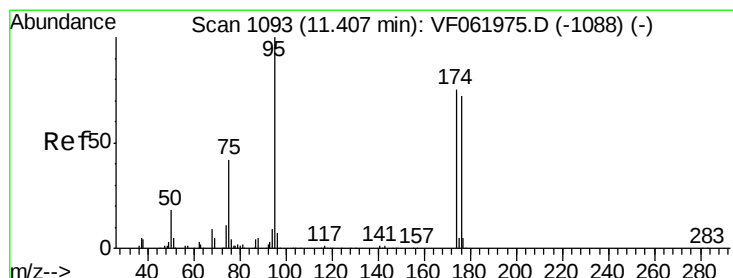
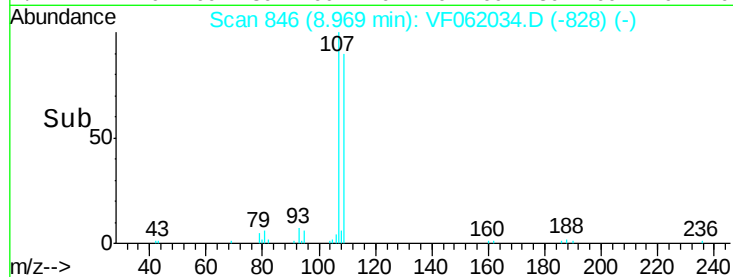
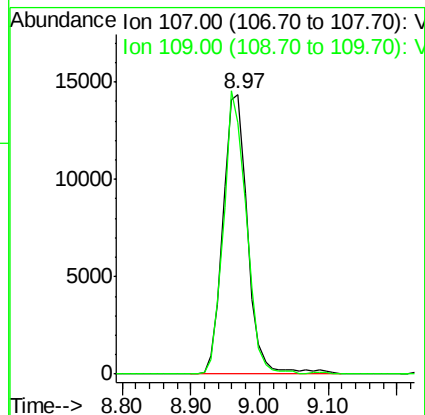
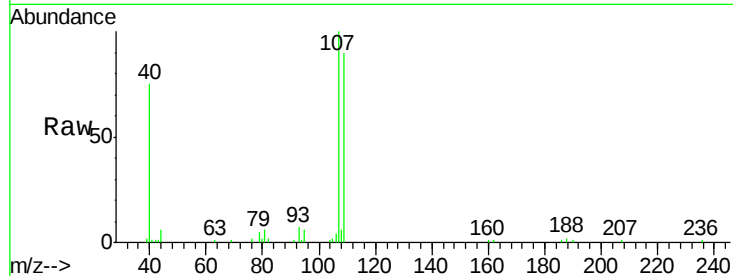
107 100

109 90.0 72.8 109.2

Manual Integrations
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3/22/2019 4:51:30 PM



#62

4-Bromofluorobenzene

Concen: 52.587 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

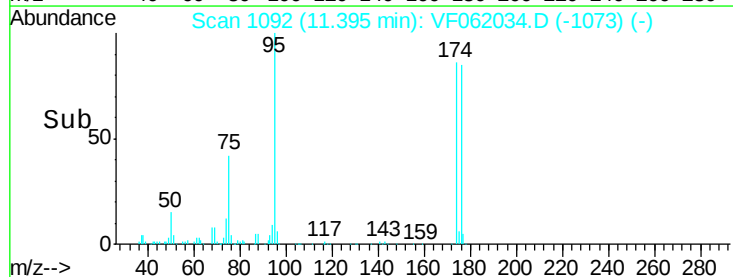
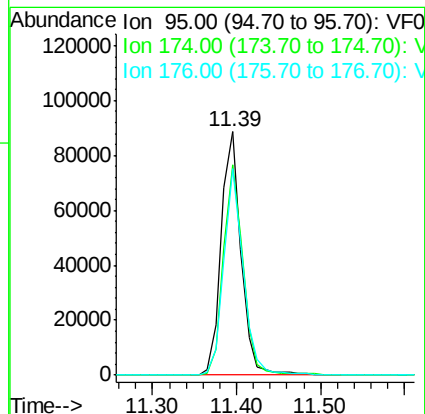
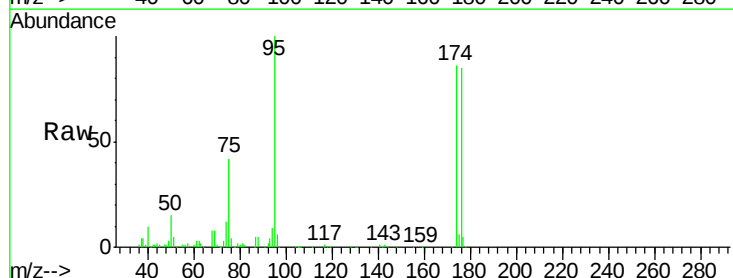
Tgt Ion: 95 Resp: 146422

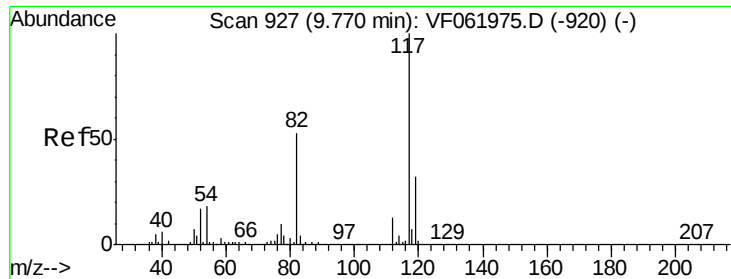
Ion Ratio Lower Upper

95 100

174 86.1 0.0 149.4

176 84.9 0.0 143.4





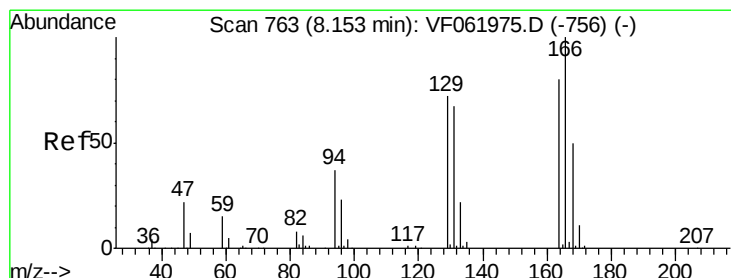
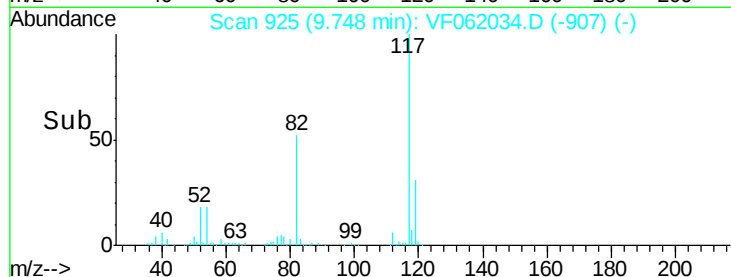
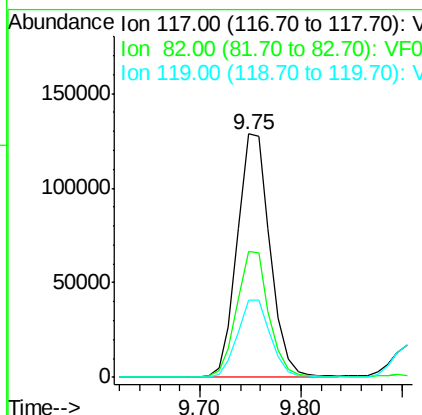
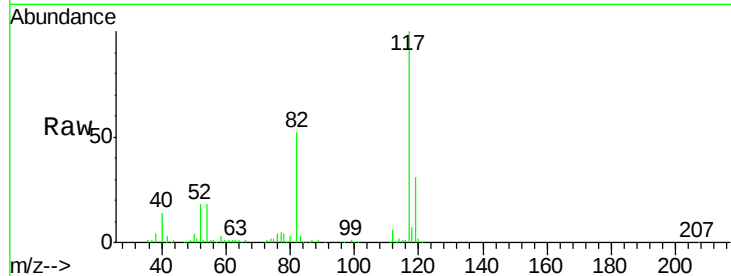
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292619		
82	51.9		42.5	63.7
119	31.5		25.4	38.0

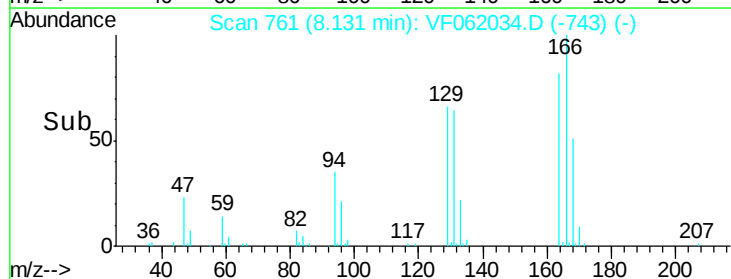
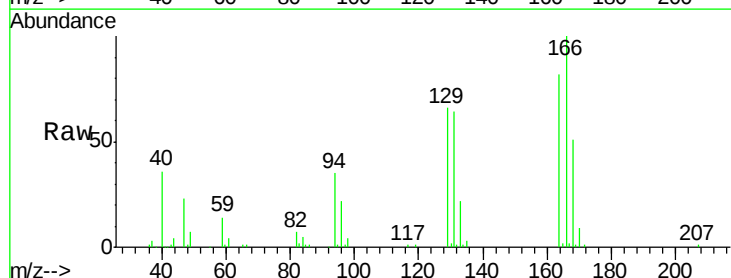
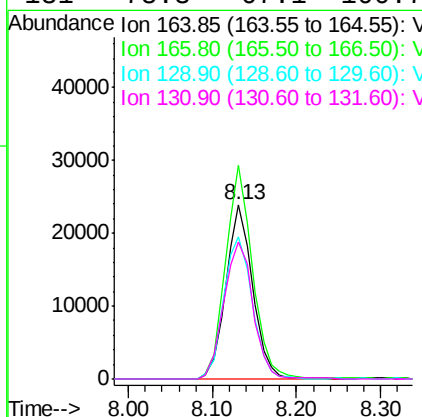
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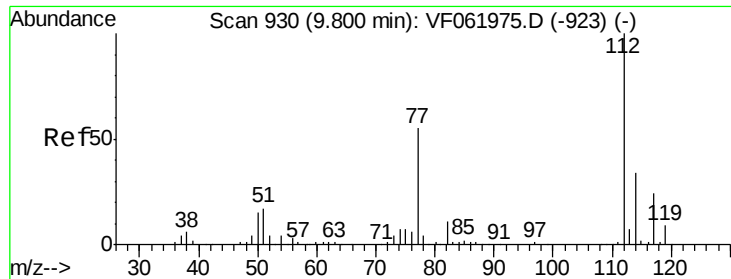
MMDadoda
3/22/2019 4:51:30 PM



#64
Tetrachloroethene
Concen: 24.716 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52571		
166	122.4		100.0	150.0
129	81.2		72.4	108.6
131	78.3		67.1	100.7





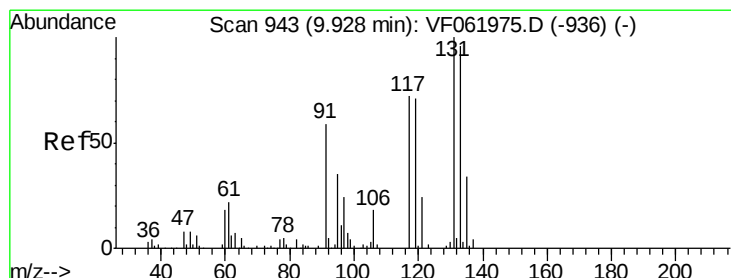
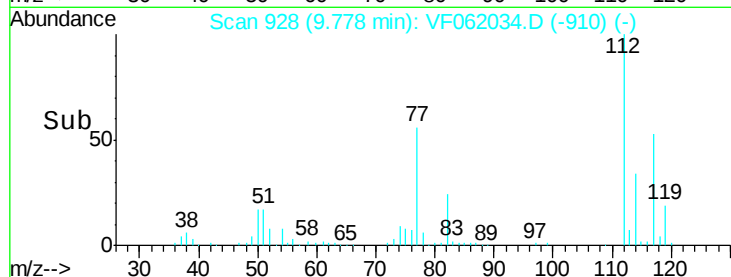
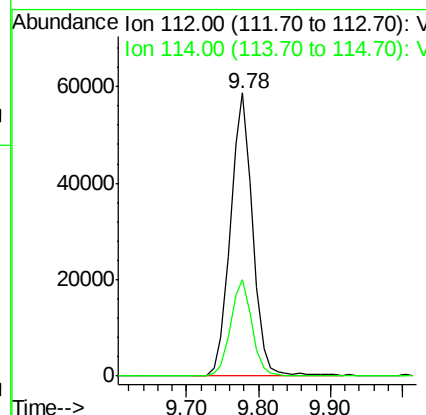
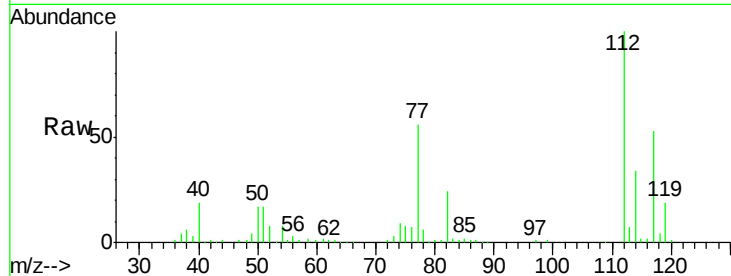
#65
Chlorobenzene
Concen: 23.009 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion:112 Resp: 125355
Ion Ratio Lower Upper
112 100
114 33.9 26.9 40.3

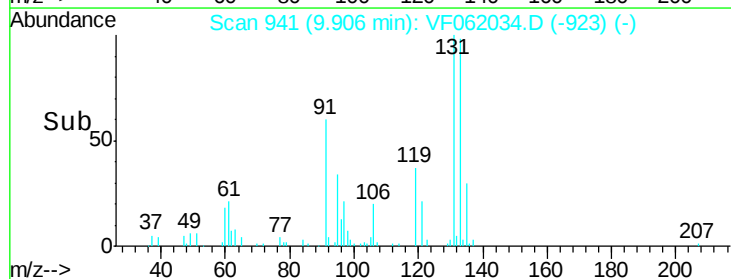
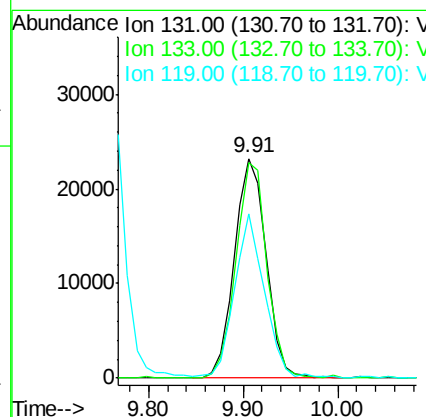
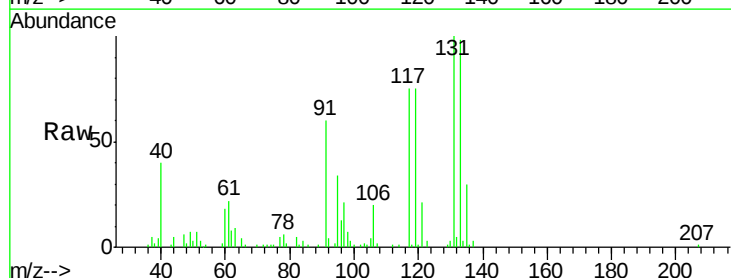
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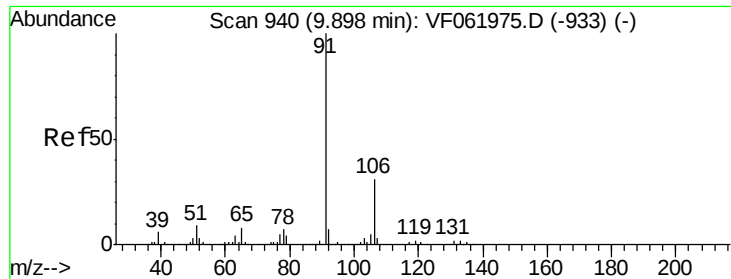
MMDadoda
3/22/2019 4:51:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 25.499 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion:131 Resp: 53847
Ion Ratio Lower Upper
131 100
133 98.2 48.0 144.2
119 74.9 35.9 107.7





#67

Ethyl Benzene

Concen: 24.178 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 91 Resp: 225543

Ion Ratio Lower Upper

91 100

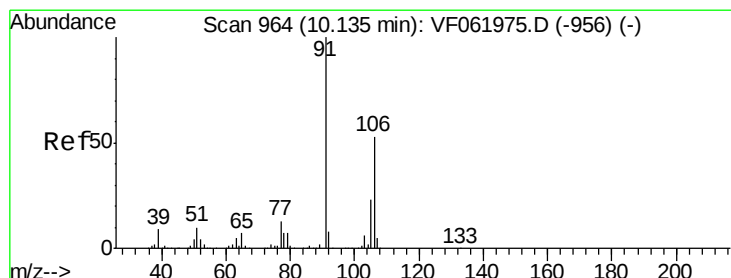
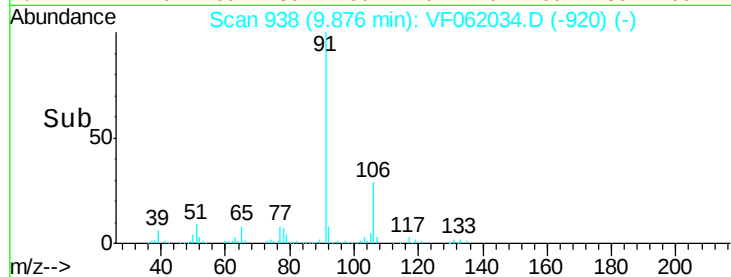
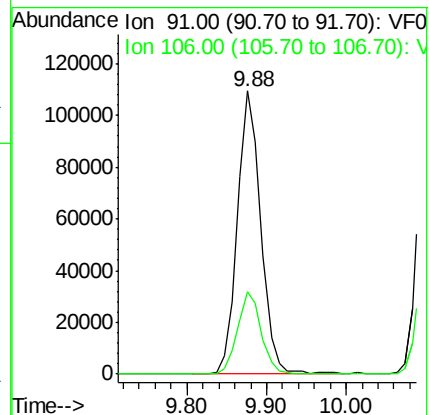
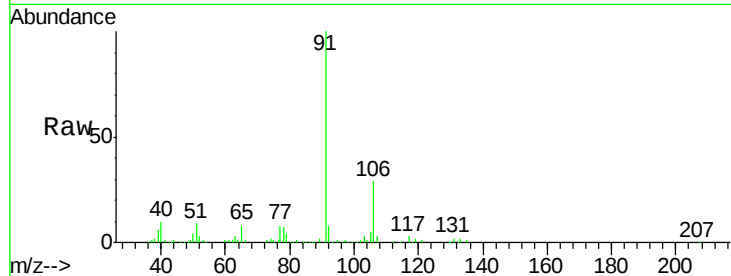
106 29.0 24.4 36.6

Manual Integrations

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3/22/2019 4:51:30 PM



#68

m/p-Xylenes

Concen: 48.457 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062034.D

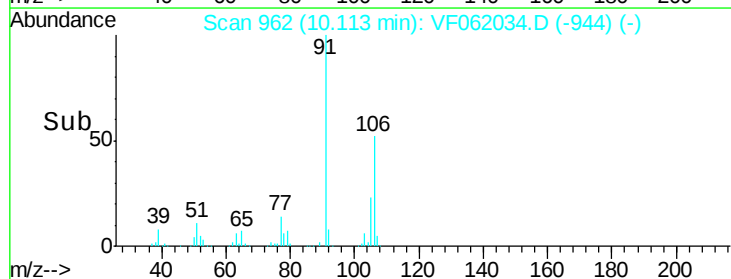
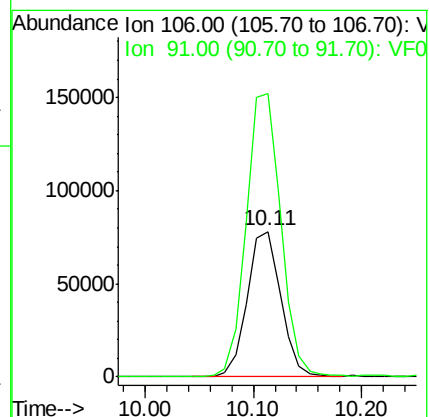
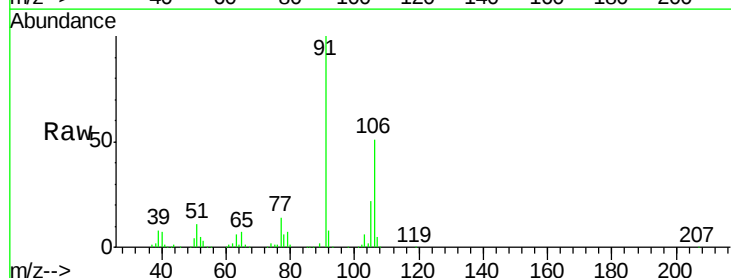
Acq: 20 Mar 2019 12:20

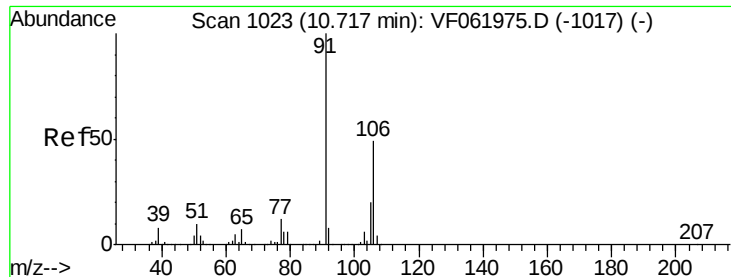
Tgt Ion: 106 Resp: 170010

Ion Ratio Lower Upper

106 100

91 194.2 151.9 227.9





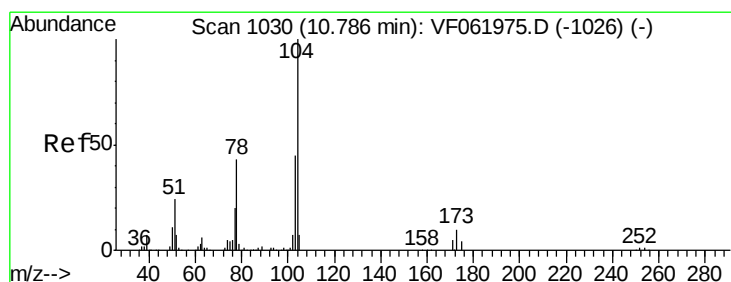
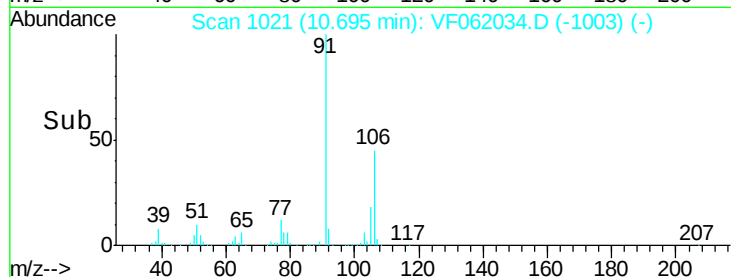
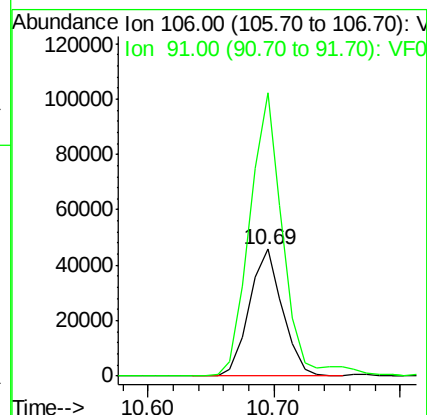
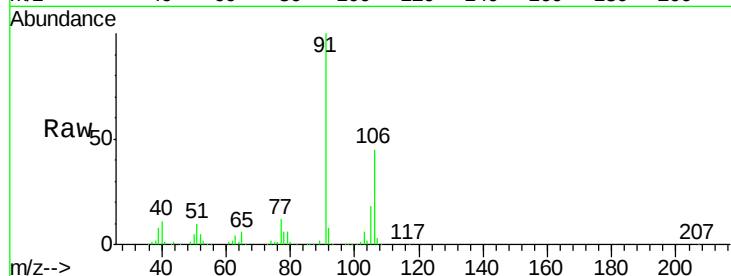
#69
o-Xylene
Concen: 22.343 ug/l
RT: 10.69 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.7	102.3	306.8

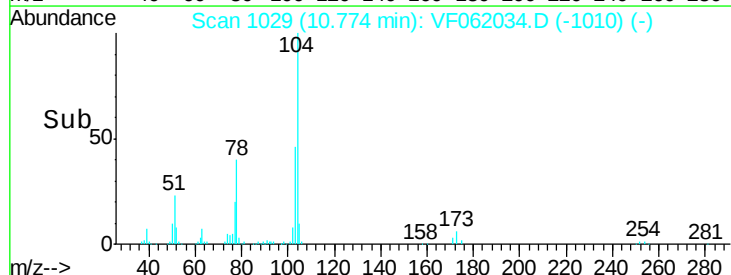
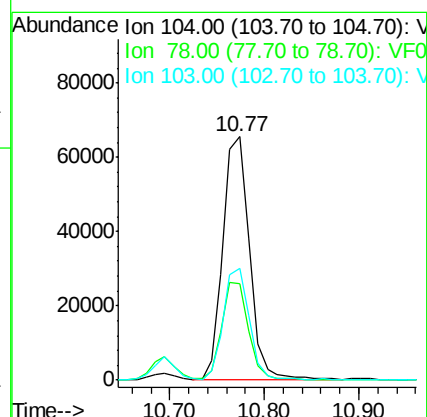
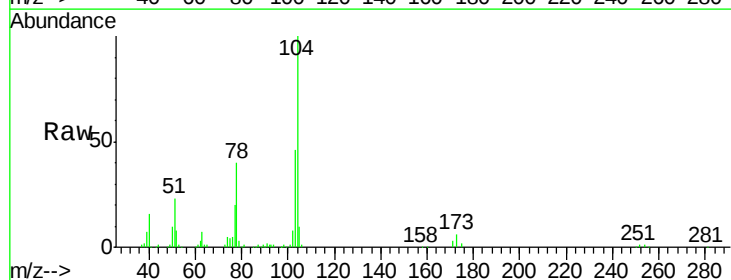
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3/22/2019 4:51:30 PM



#70
Styrene
Concen: 24.570 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	39.6	34.7	52.1
103	45.8	36.6	54.8





#71

Bromoform

Concen: 23.899 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion:173 Resp: 25528

Ion Ratio Lower Upper

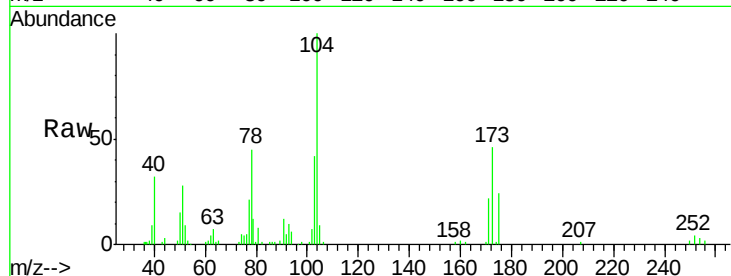
173 100

175 53.1 23.7 71.1

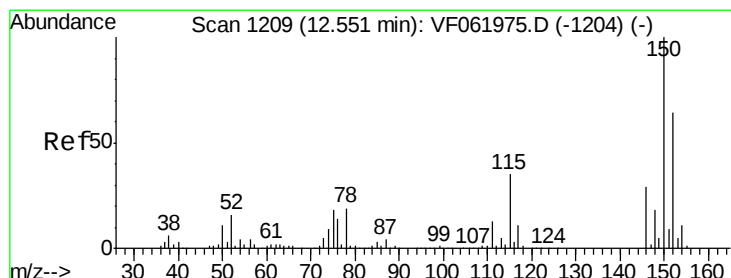
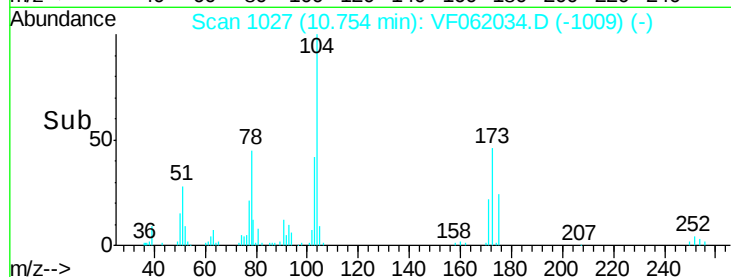
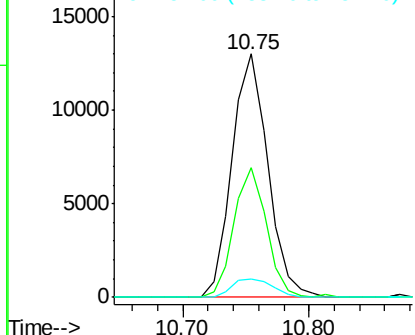
254 7.3 7.8 11.8#

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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

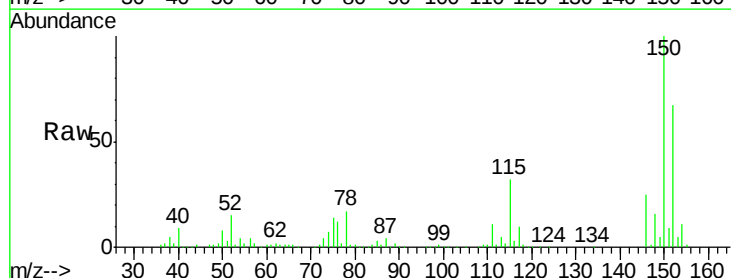
Tgt Ion:152 Resp: 172072

Ion Ratio Lower Upper

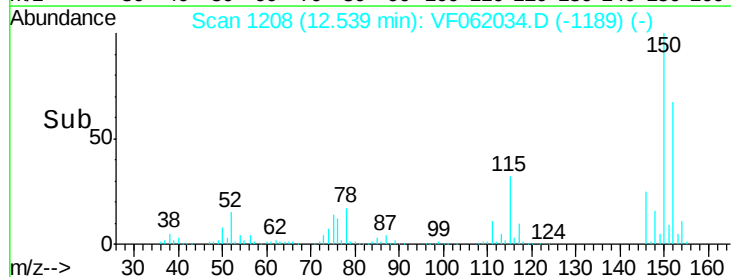
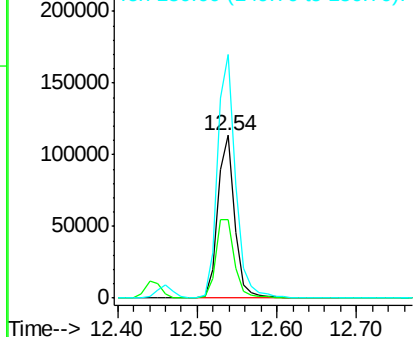
152 100

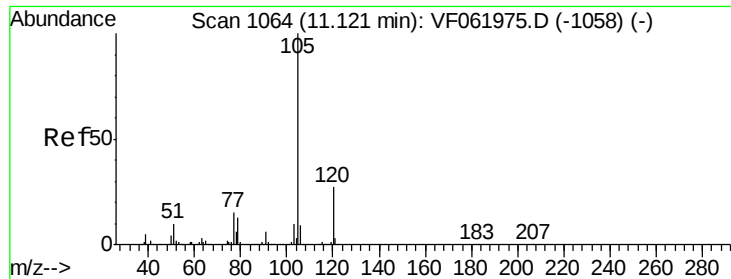
115 48.6 27.3 81.9

150 149.9 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.444 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 105 Resp: 278698

Ion Ratio Lower Upper

105 100

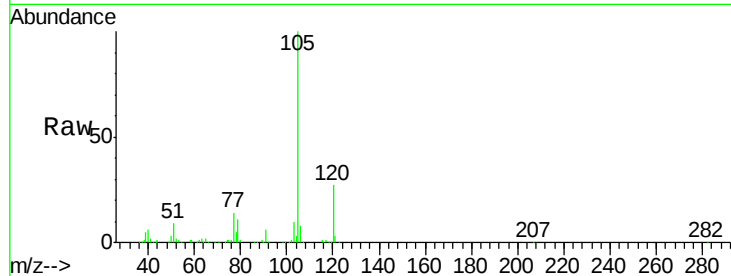
120 26.6 13.8 41.3

Manual Integrations

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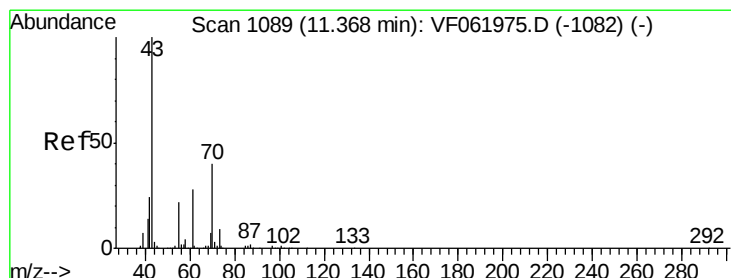
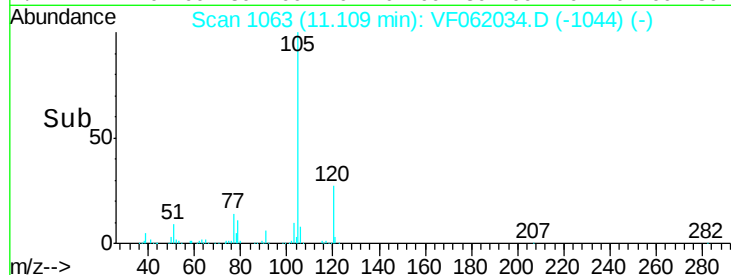
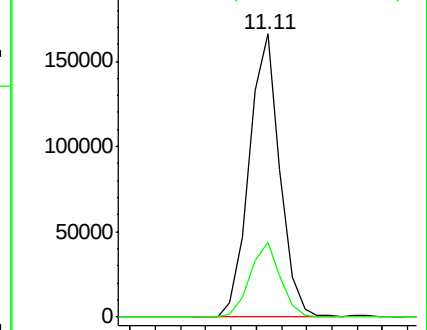
MMDadoda

3/22/2019 4:51:30 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.842 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion: 43 Resp: 62221

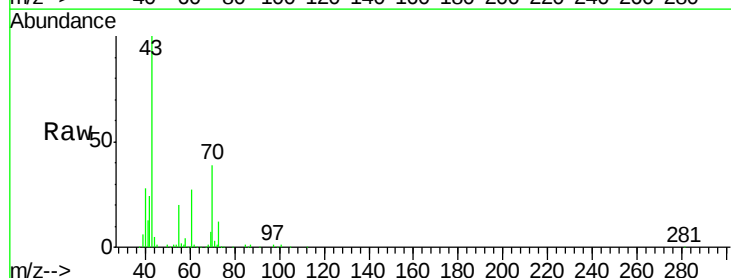
Ion Ratio Lower Upper

43 100

70 39.1 31.9 47.9

55 20.4 17.9 26.9

61 26.7 22.2 33.2

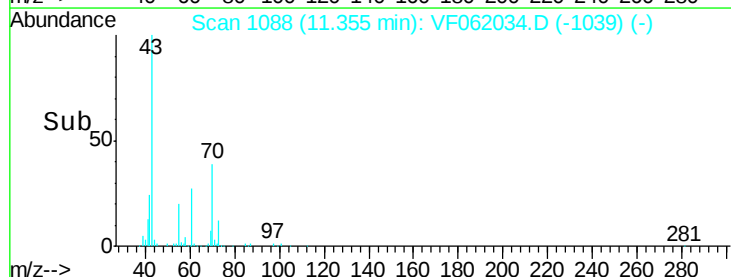
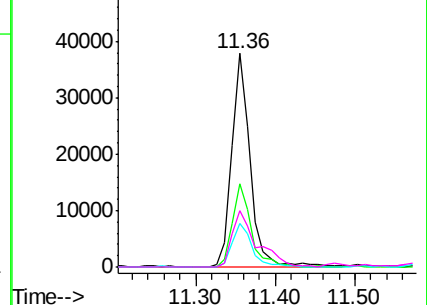


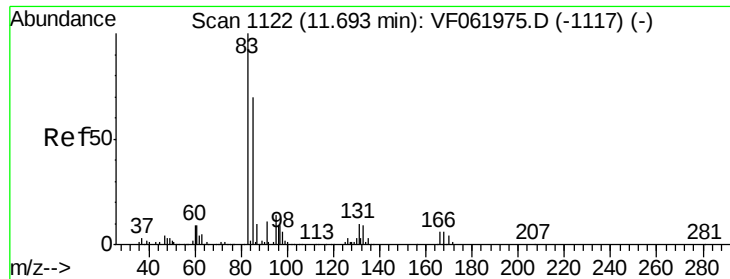
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.617 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

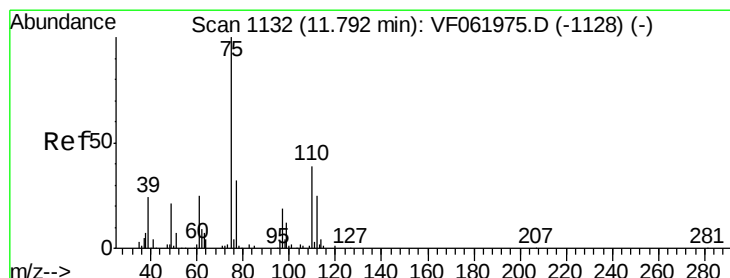
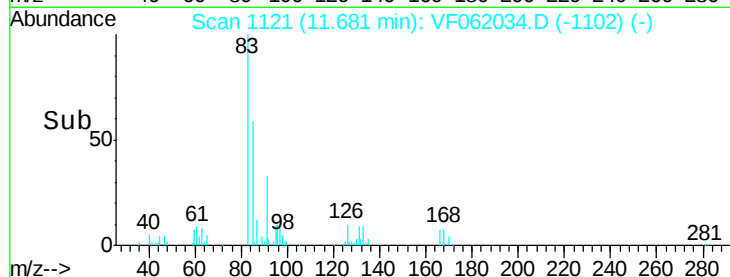
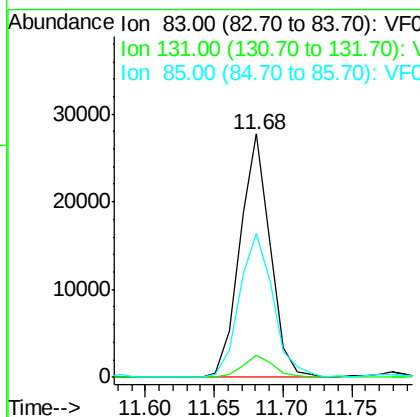
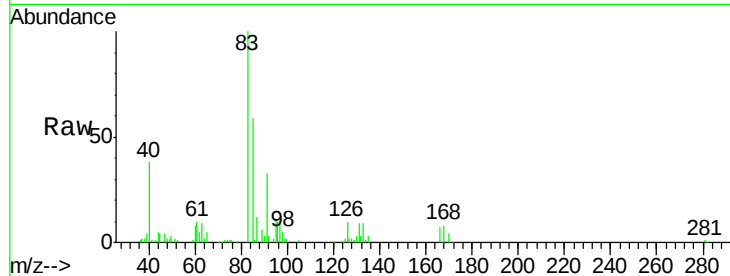
ClientSampleId :

VF0320SBS01

Tot Ion:	83	Resp:	42418
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.9	14.7
85	59.0	35.3	105.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.152 ug/l

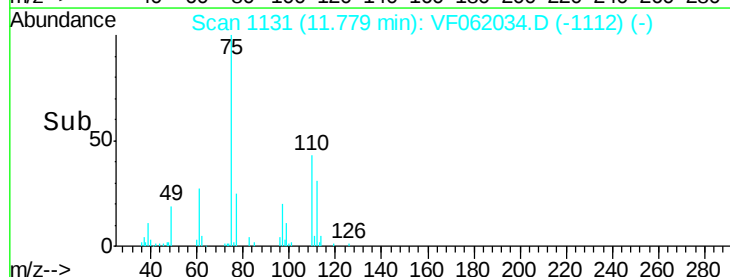
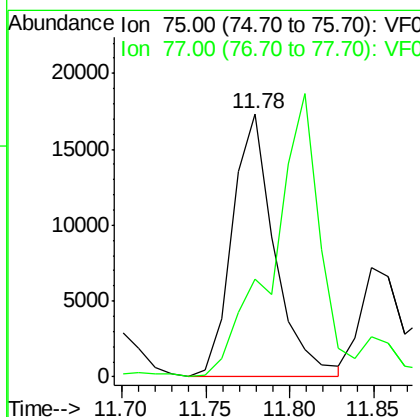
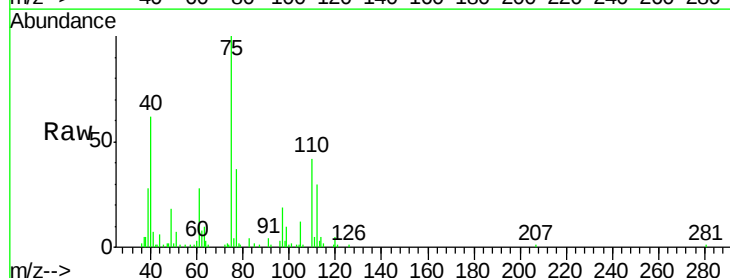
RT: 11.78 min Scan# 1131

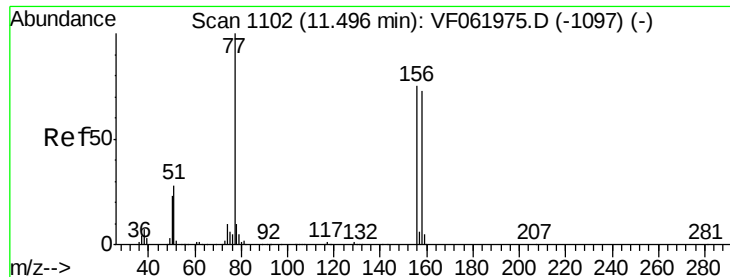
Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion:	75	Resp:	30395
Ion Ratio	Lower	Upper	
75	100		
77	37.0	16.4	49.2





#77

Bromobenzene

Concen: 21.384 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion:156 Resp: 58870

Ion Ratio Lower Upper

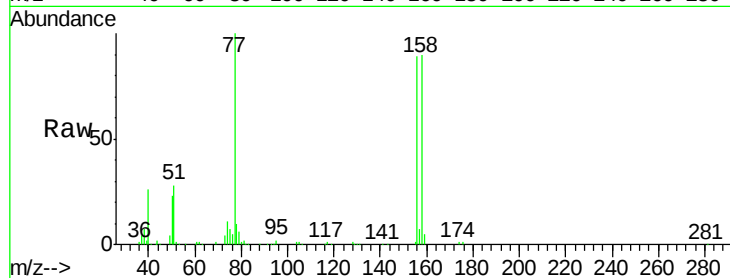
156 100

77 112.7 67.0 201.0

158 101.0 48.9 146.7

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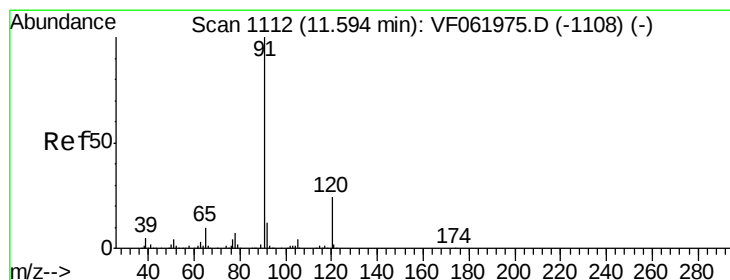
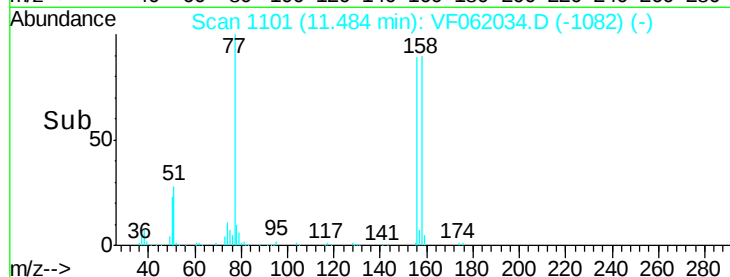
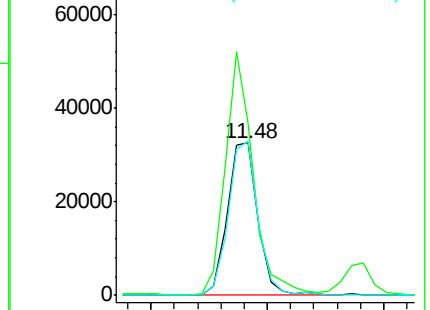
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.285 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF062034.D

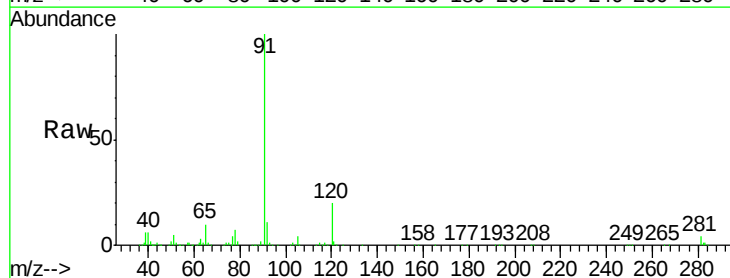
Acq: 20 Mar 2019 12:20

Tgt Ion: 91 Resp: 304619

Ion Ratio Lower Upper

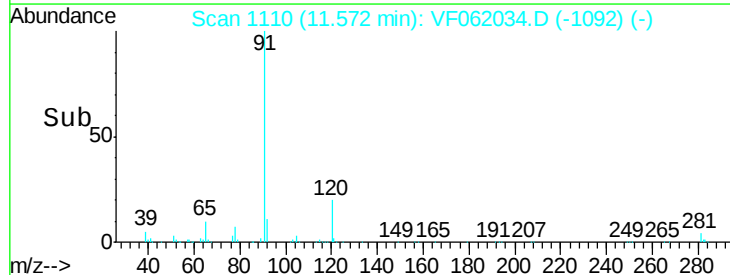
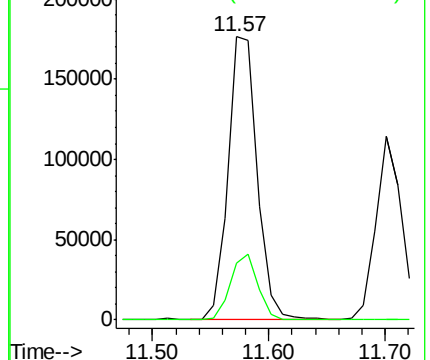
91 100

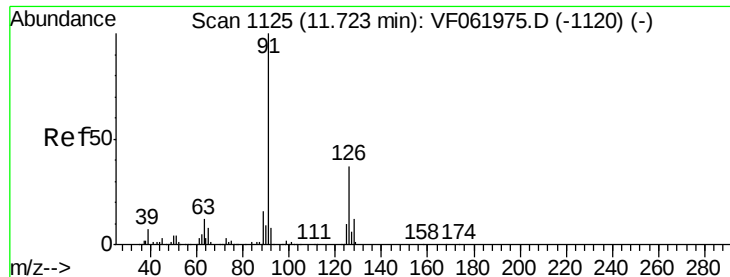
120 20.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.537 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampled :

VF0320SBS01

Tot Ion: 91 Resp: 173885

Ion Ratio Lower Upper

91 100

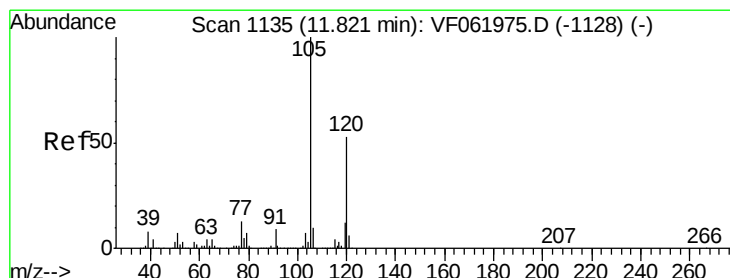
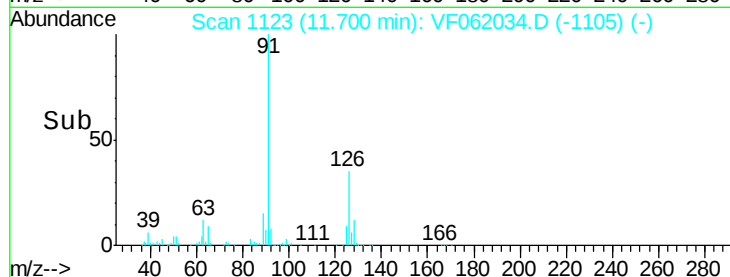
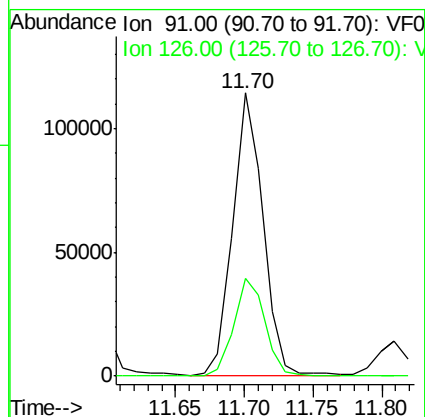
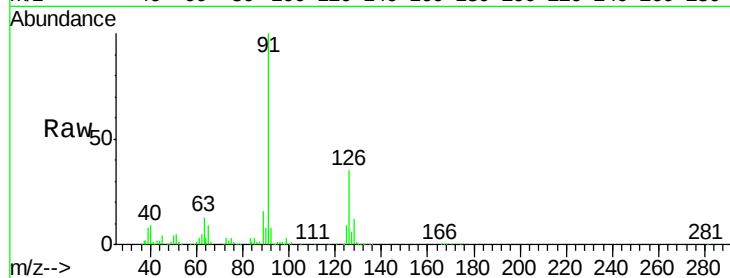
126 34.6 18.4 55.2

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#80

1,3,5-Trimethylbenzene

Concen: 22.960 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062034.D

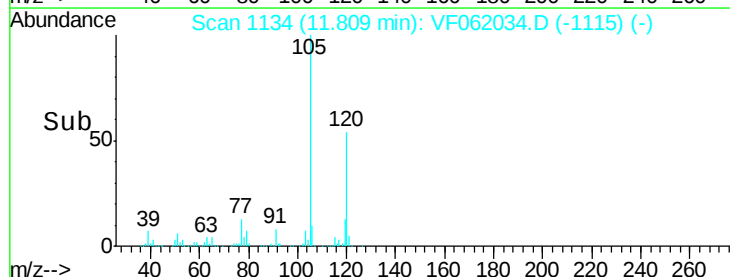
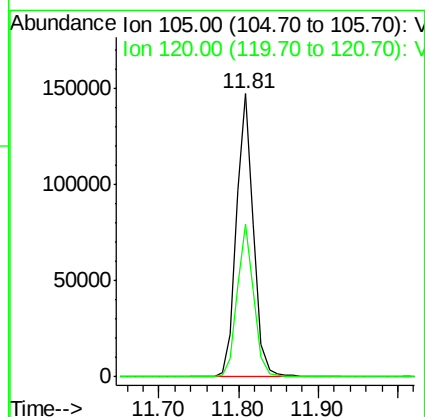
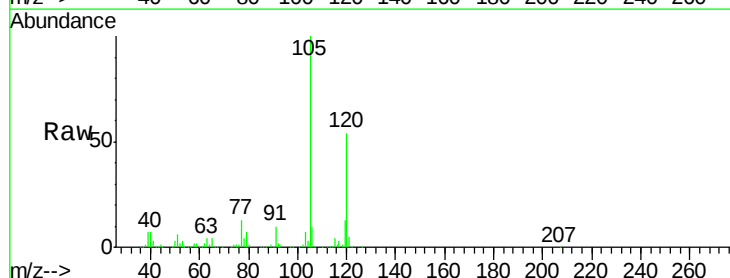
Acq: 20 Mar 2019 12:20

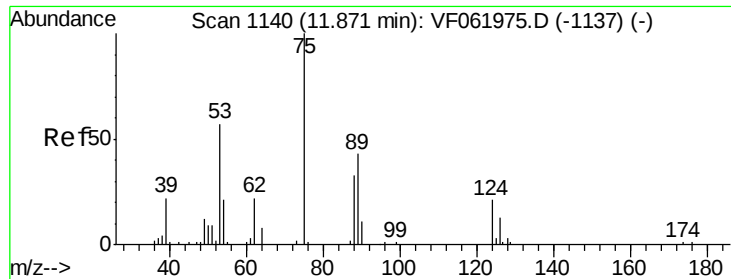
Tgt Ion: 105 Resp: 220484

Ion Ratio Lower Upper

105 100

120 54.1 26.6 79.7





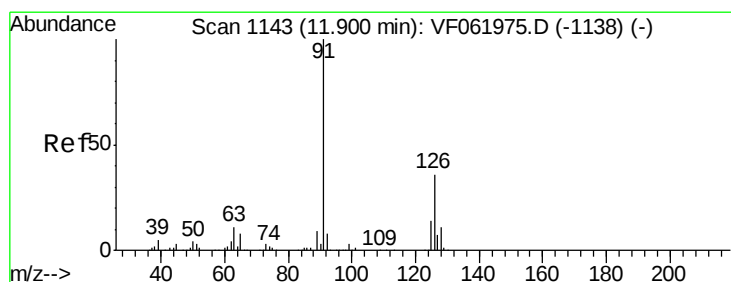
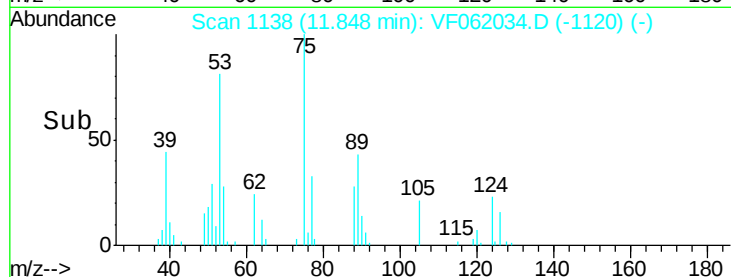
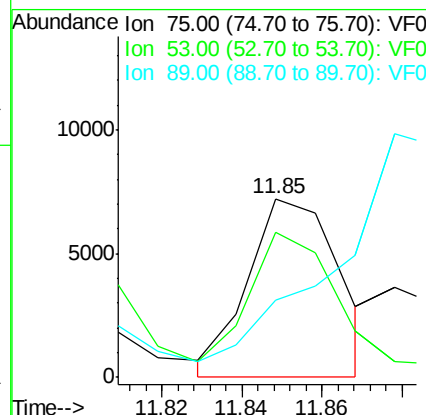
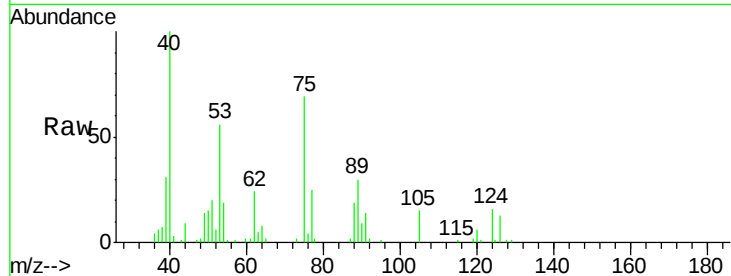
#81
trans-1,4-Dichloro-2-butene
Concen: 18.778 ug/l m
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampled :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.8	49.0	73.6#
89	43.3	37.1	55.7

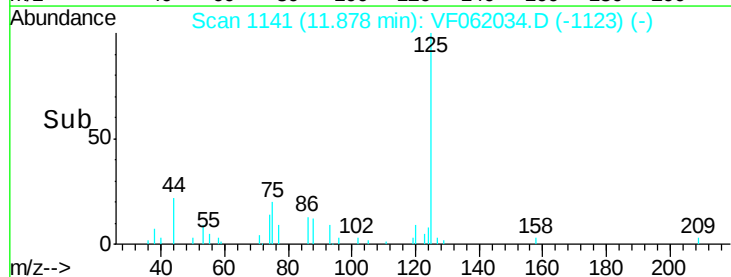
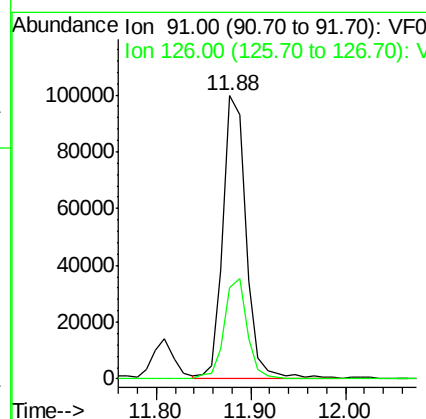
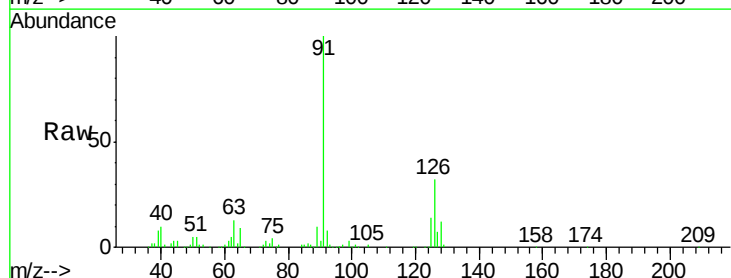
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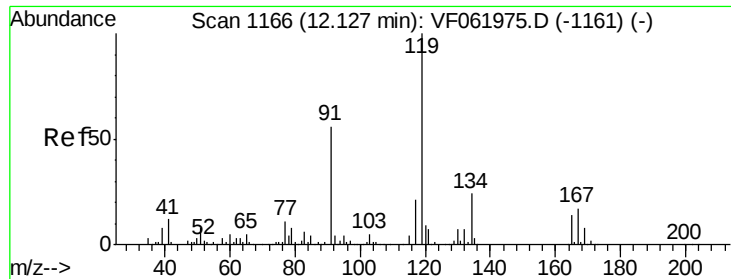
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#82
4-Chlorotoluene
Concen: 21.456 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	18.1	54.1





#83

tert-Butylbenzene

Concen: 22.934 ug/l

RT: 12.11 min Scan# 1165

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

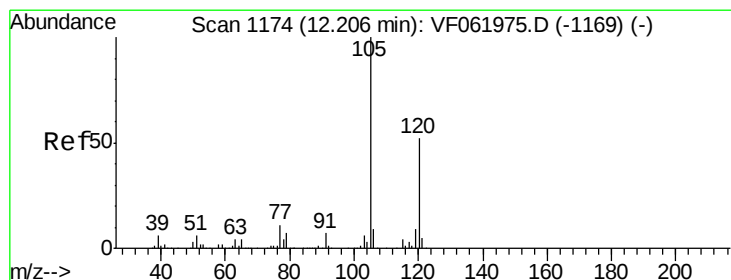
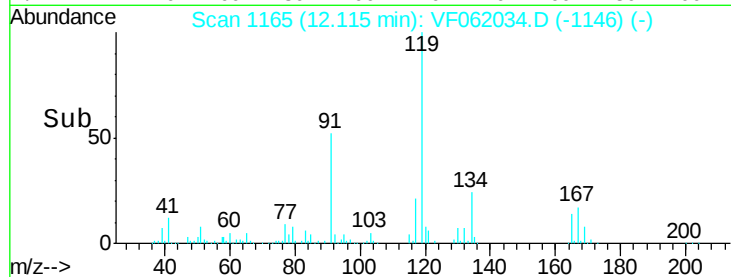
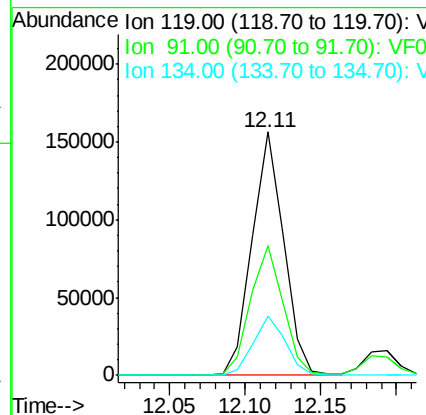
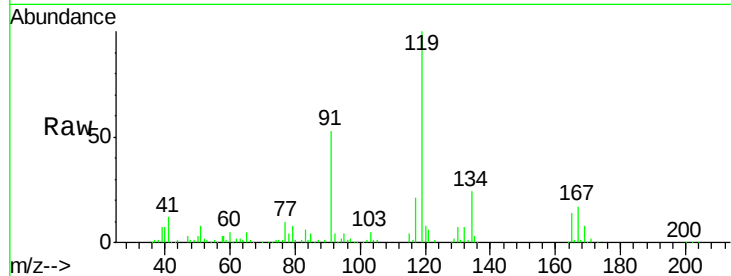
ClientSampleId :

VF0320SBS01

Tot Ion:	119	Resp:	230320
Ion Ratio	Lower	Upper	
119	100		
91	53.4	27.9	83.6
134	24.3	12.3	36.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.155 ug/l

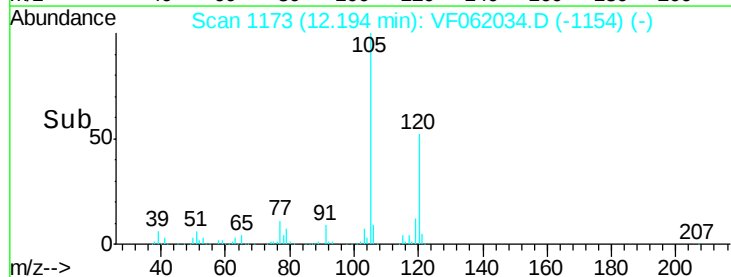
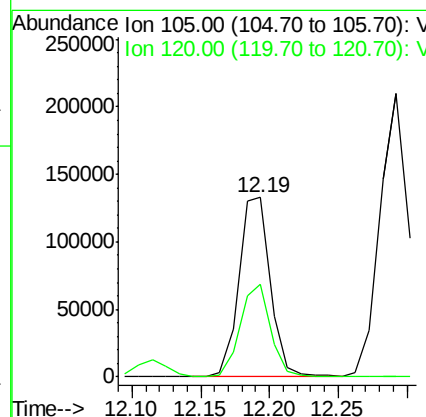
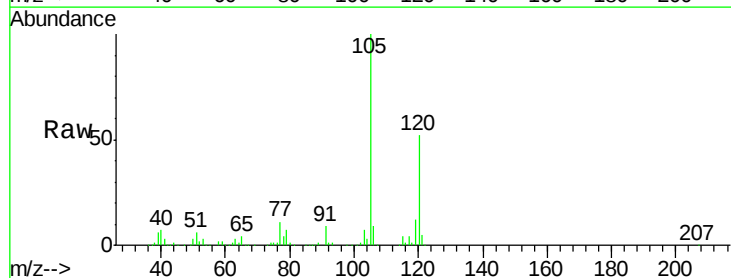
RT: 12.19 min Scan# 1173

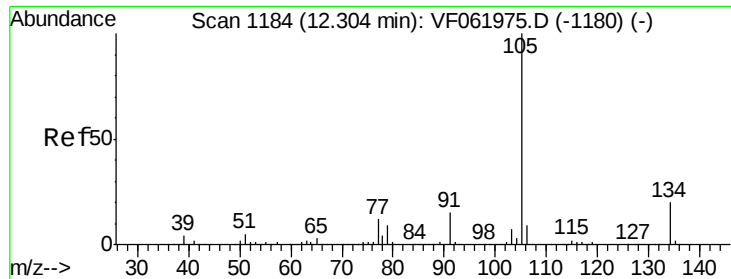
Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion:	105	Resp:	213101
Ion Ratio	Lower	Upper	
105	100		
120	51.9	25.9	77.8





#85

sec-Butylbenzene

Concen: 22.786 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion:105 Resp: 309175

Ion Ratio Lower Upper

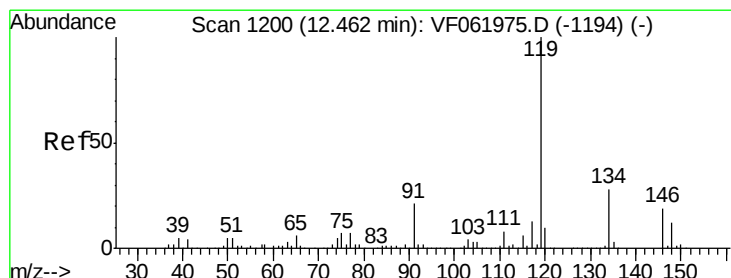
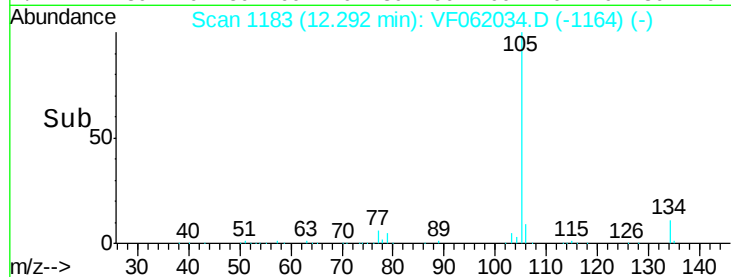
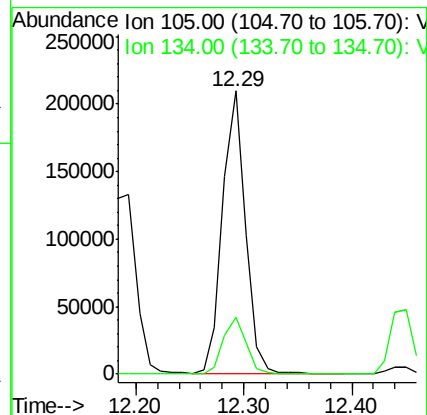
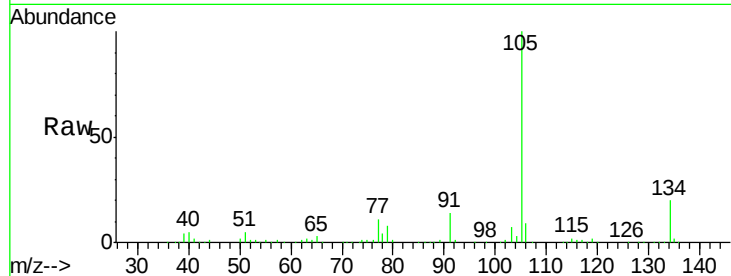
105 100

134 20.2 10.0 29.8

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3/22/2019 4:51:30 PM



#86

p-Isopropyltoluene

Concen: 23.762 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

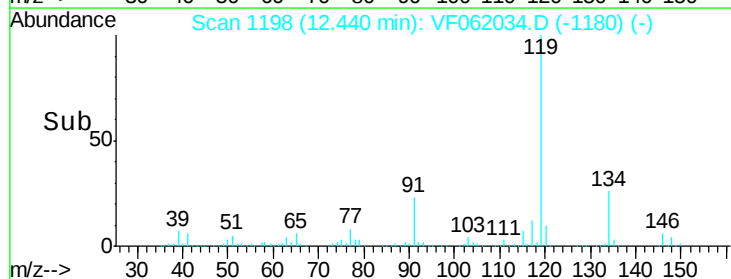
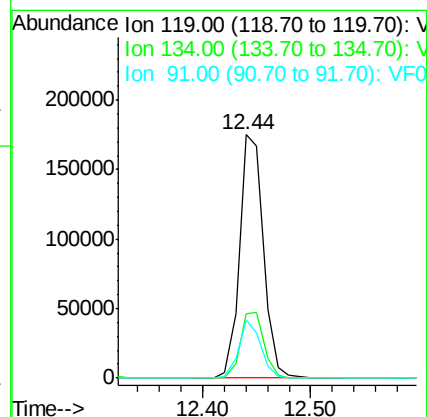
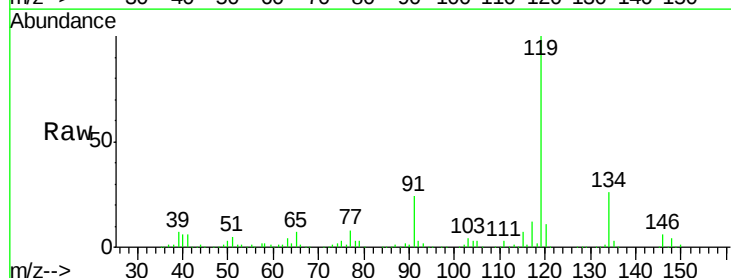
Tgt Ion:119 Resp: 269040

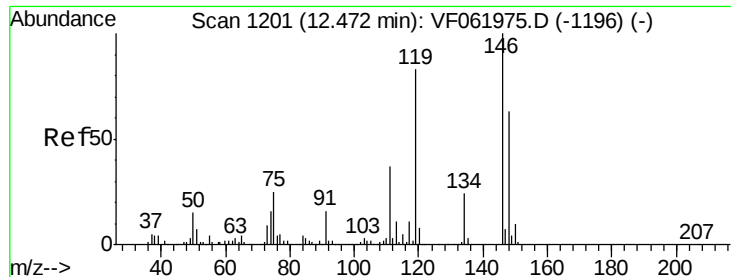
Ion Ratio Lower Upper

119 100

134 26.3 13.9 41.7

91 23.6 10.4 31.1





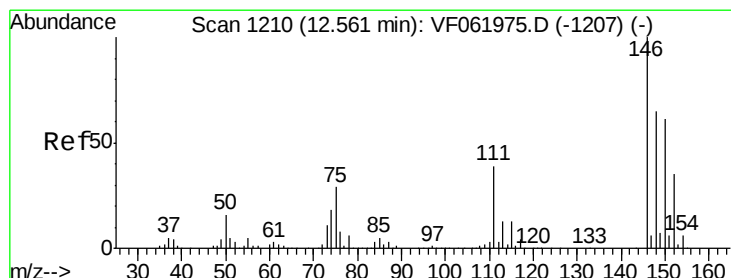
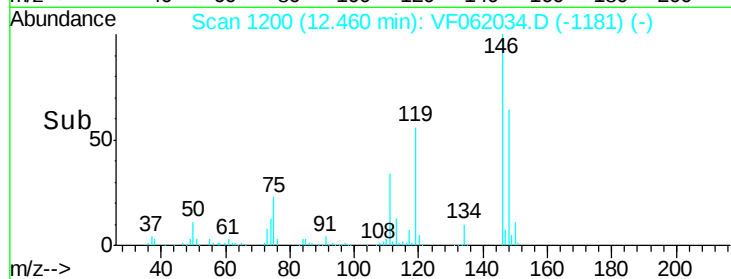
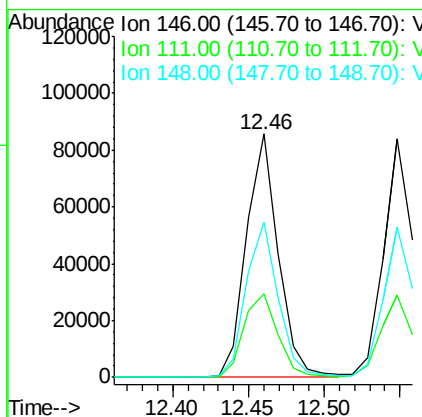
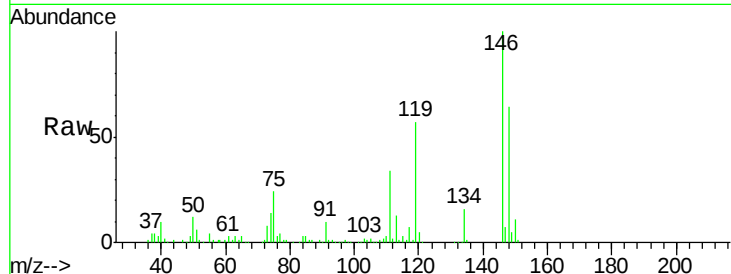
#87
 1,3-Dichlorobenzene
 Concen: 23.347 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	126325		
111	34.4	18.6	55.8	
148	63.7	31.3	93.9	

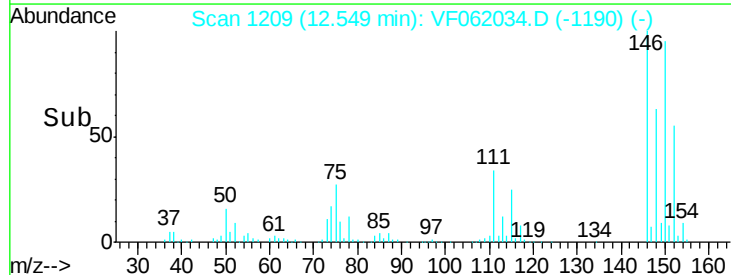
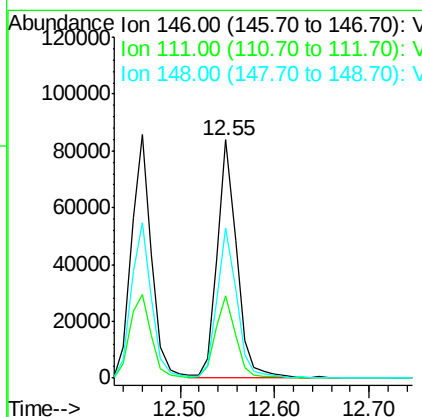
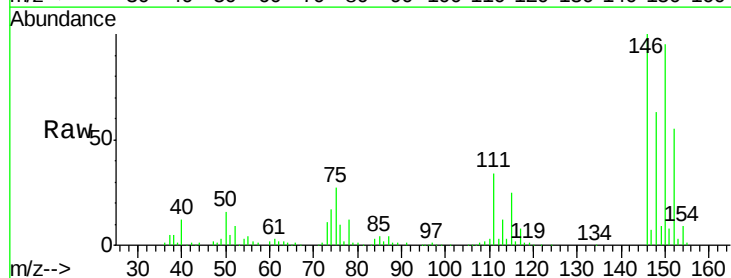
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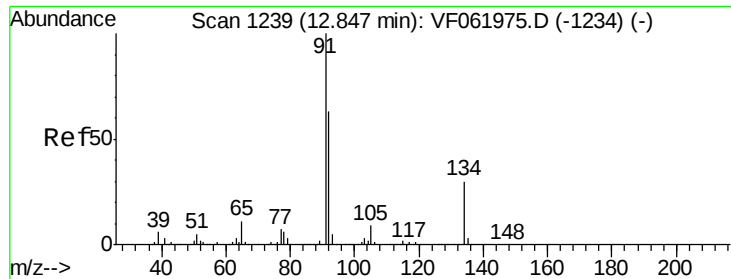
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#88
 1,4-Dichlorobenzene
 Concen: 23.300 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121345		
111	34.4	19.4	58.1	
148	63.3	32.4	97.0	





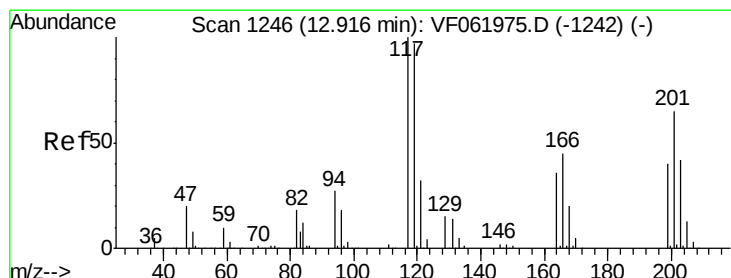
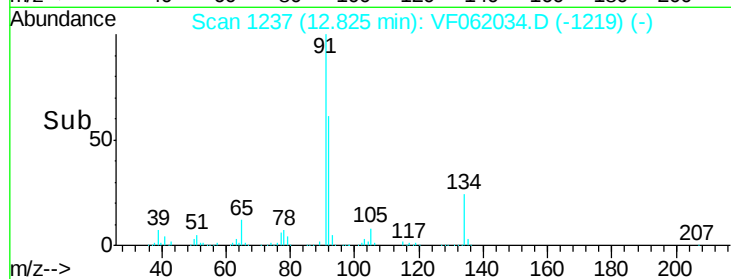
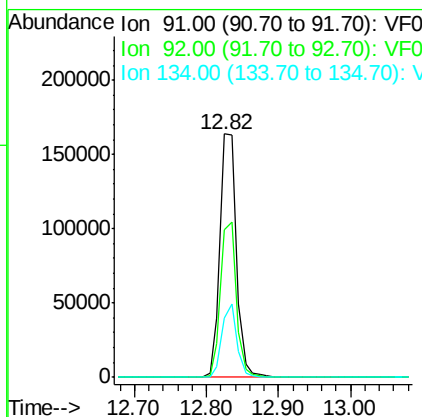
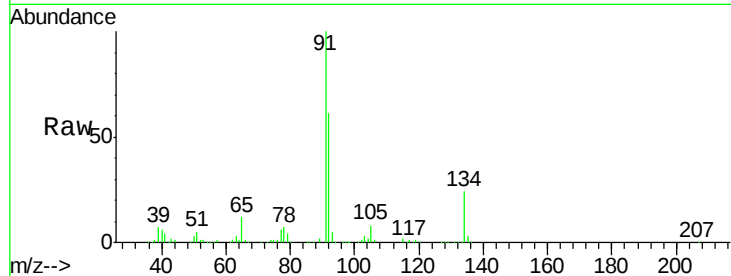
#89
n-Butylbenzene
Concen: 24.381 ug/l
RT: 12.82 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	259385		
92	60.9	31.7	95.1	
134	24.2	15.1	45.3	

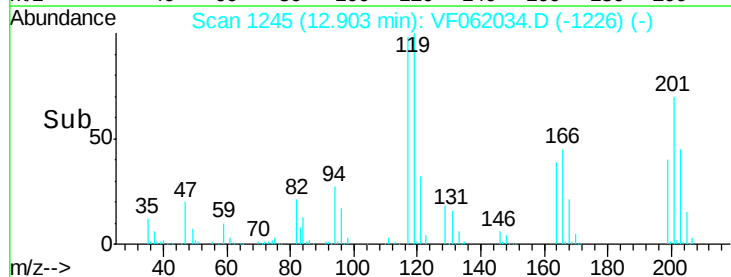
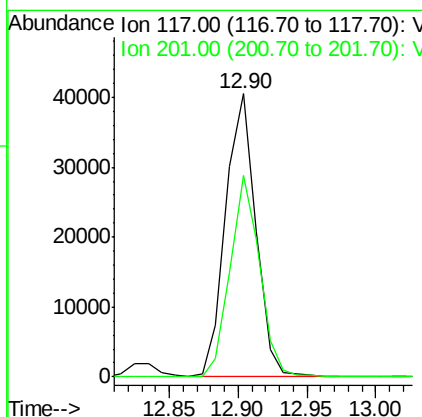
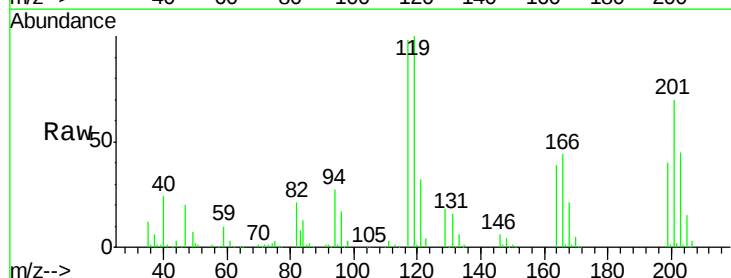
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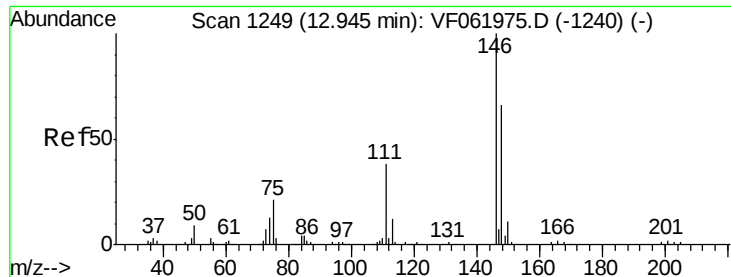
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#90
Hexachloroethane
Concen: 23.890 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF062034.D
Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	61728		
201	71.4	32.5	97.5	





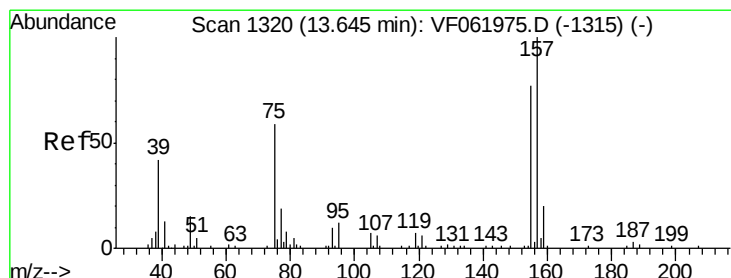
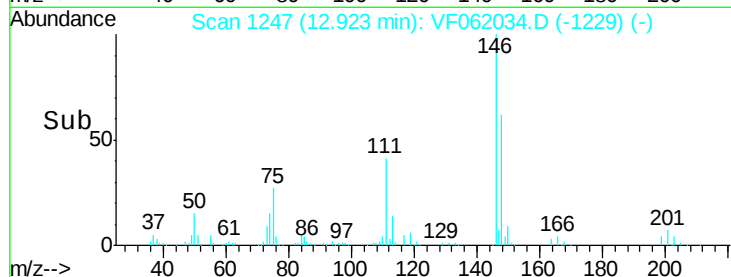
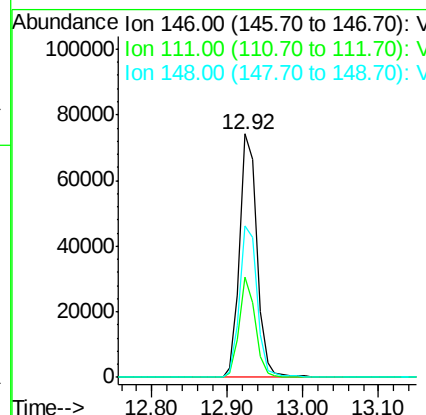
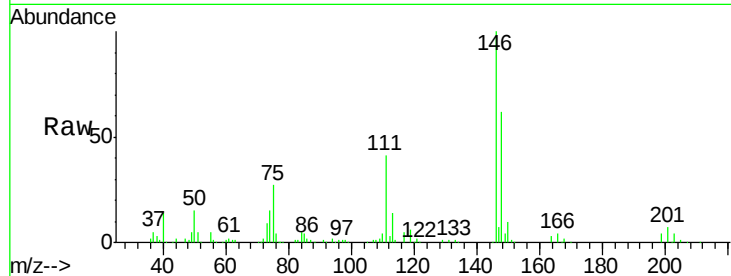
#91
 1,2-Dichlorobenzene
 Concen: 23.305 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	116788		
111	41.4	18.9	56.5	
148	62.0	32.9	98.6	

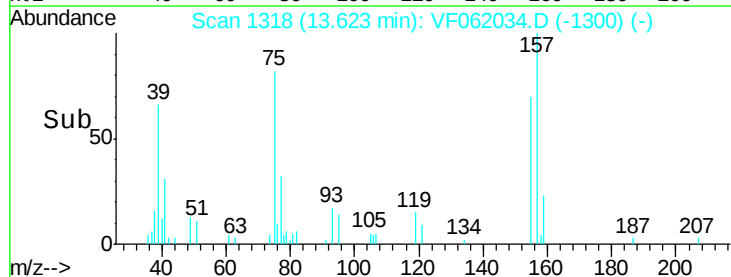
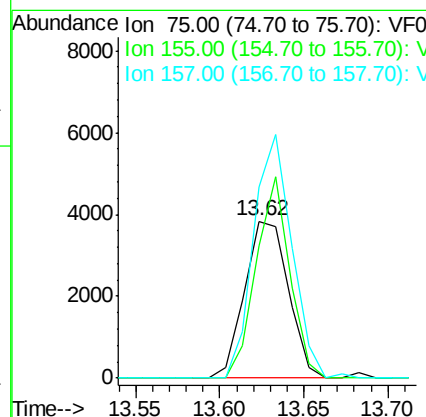
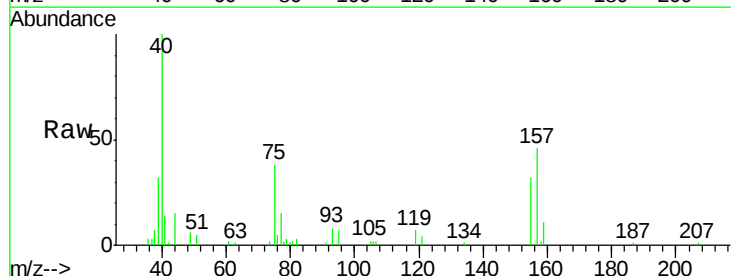
Manual Integrations
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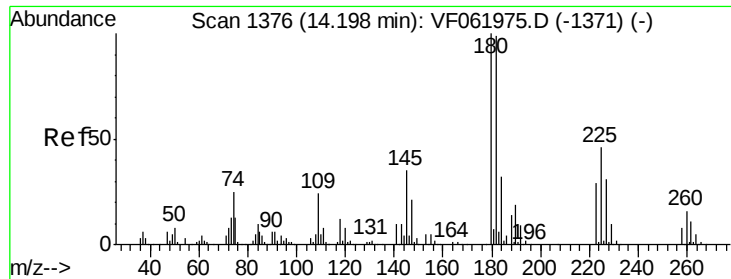
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.897 ug/l
 RT: 13.62 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	6895		
155	84.5	65.0	195.1	
157	121.5	84.7	254.0	





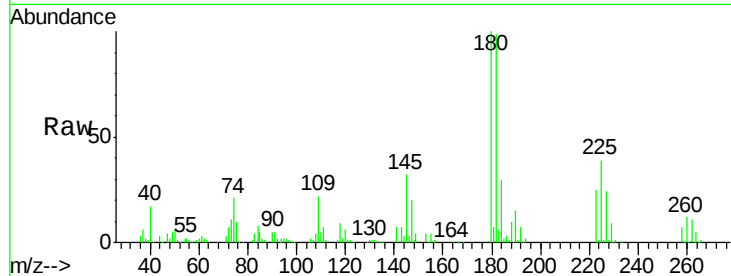
#93
 1,2,4-Trichlorobenzene
 Concen: 22.966 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

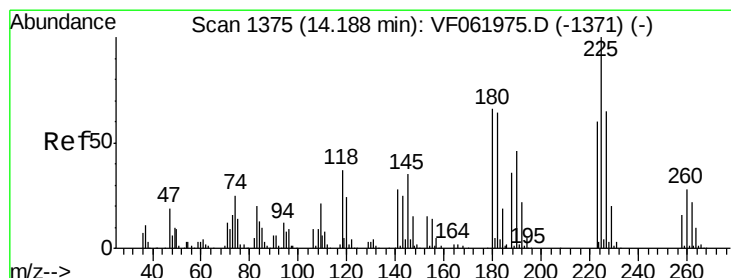
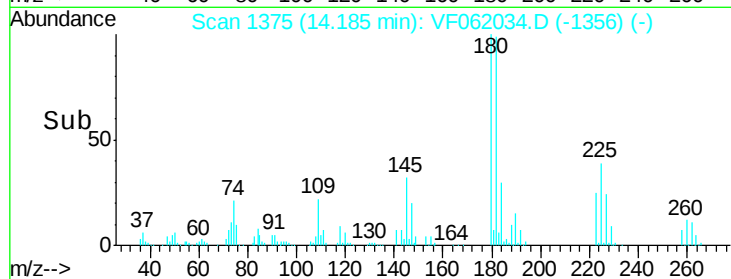
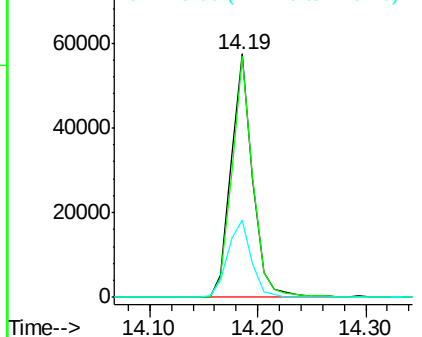
Tot Ion	Ratio	Resp	Lower	Upper
180	100	80144		
182	99.2	49.6	149.0	
145	31.9	17.5	52.5	

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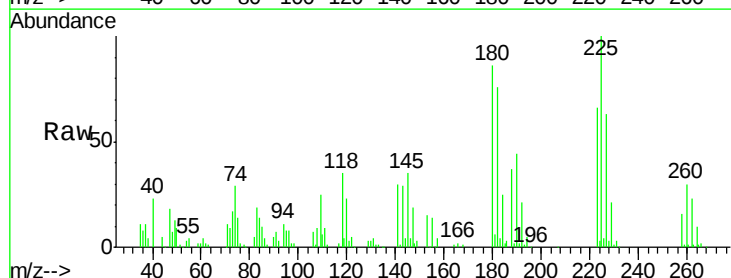


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

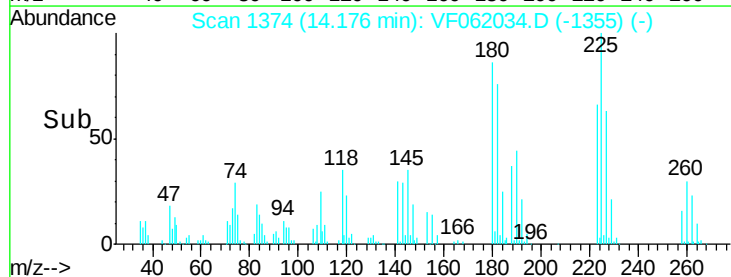
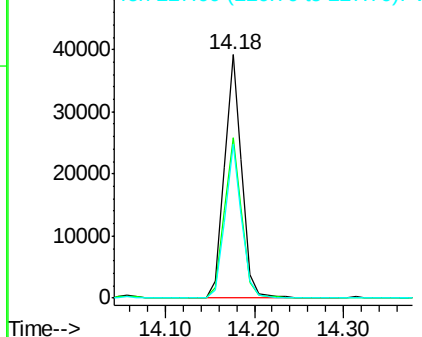


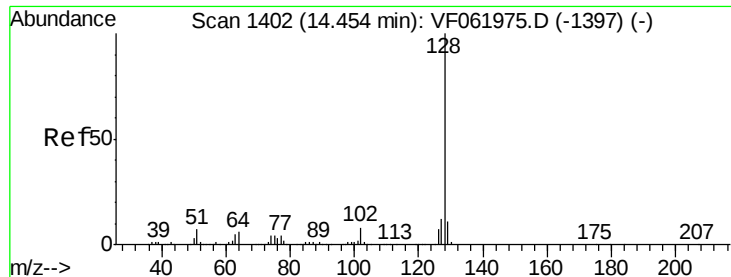
#94
 Hexachlorobutadiene
 Concen: 23.255 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF062034.D
 Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53876		
223	65.7	29.9	89.7	
227	63.4	32.4	97.2	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 20.802 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Instrument :

MSVOA_F

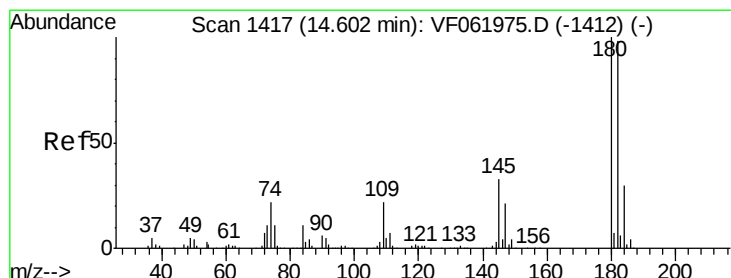
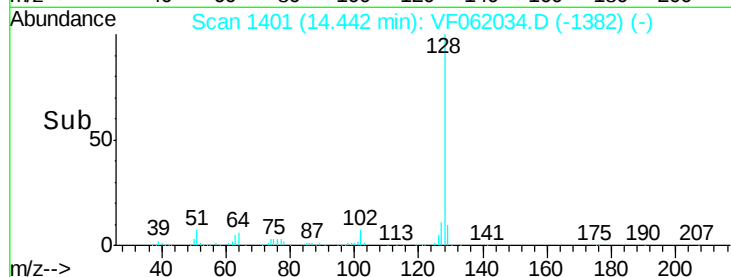
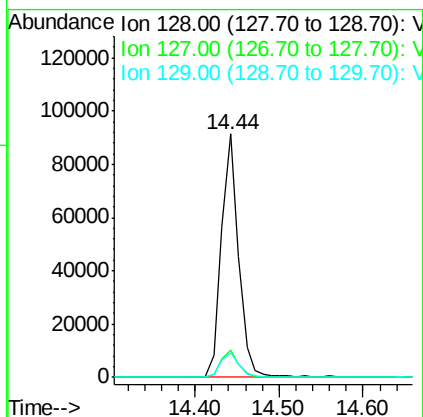
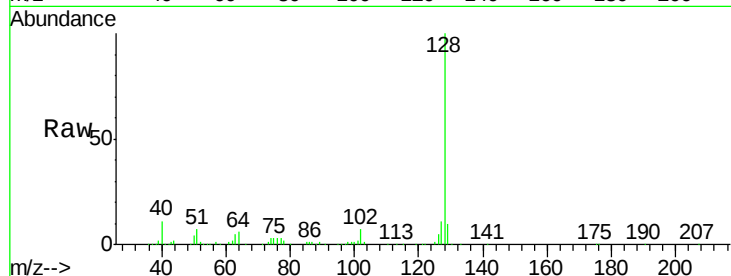
ClientSampleId :

VF0320SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.1	9.3	13.9
129	10.3	9.1	13.7

Manual Integrations
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3/22/2019 4:51:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.736 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062034.D

Acq: 20 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.9	146.8
145	29.0	16.7	50.1

