

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059404.D
 Acq On : 3 Jul 2018 11:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/5/2018 12:41:17 PM

Quant Time: Jul 04 00:37:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	278661	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.73	114	399286	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	425527	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	250072	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	156623	43.50	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.00%	
35) Dibromofluoromethane	4.26	113	137580	47.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.32%	
50) Toluene-d8	7.68	98	331203	45.85	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.70%	
62) 4-Bromofluorobenzene	11.49	95	187612	46.04	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	118005	46.350	ug/l	95
3) Chloromethane	1.07	50	73515	42.981	ug/l	96
4) Vinyl Chloride	1.14	62	80308	47.700	ug/l	100
5) Bromomethane	1.33	94	49257	52.366	ug/l	99
6) Chloroethane	1.42	64	39376	46.435	ug/l	97
7) Trichlorofluoromethane	1.48	101	173194m	52.022	ug/l	
8) Diethyl Ether	1.68	74	38611	45.231	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.88	101	95075	48.923	ug/l	95
10) Methyl Iodide	1.95	142	165848	46.800	ug/l	94
11) Tert butyl alcohol	2.67	59	57302	239.075	ug/l #	92
12) 1,1-Dichloroethene	1.84	96	85825	52.241	ug/l	87
13) Acrolein	2.07	56	36245	322.769	ug/l	97
14) Allyl chloride	2.17	41	159344	51.669	ug/l	97
15) Acrylonitrile	3.05	53	98835	234.164	ug/l	92
16) Acetone	2.31	43	257557	287.994	ug/l	99
17) Carbon Disulfide	1.86	76	175276m	45.355	ug/l	
18) Methyl Acetate	2.43	43	87362	53.851	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	300578	49.051	ug/l	98
20) Methylene Chloride	2.29	84	89211m	43.176	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	86328	49.259	ug/l	89
22) Diisopropyl ether	2.89	45	340067	49.796	ug/l	99
23) Vinyl Acetate	3.30	43	1061969	244.174	ug/l	98
24) 1,1-Dichloroethane	2.97	63	203599	48.085	ug/l	99
25) 2-Butanone	4.47	43	283506	260.423	ug/l	99
26) 2,2-Dichloropropane	3.73	77	147322	50.446	ug/l	97
27) cis-1,2-Dichloroethene	3.60	96	131788	49.529	ug/l	84
28) Bromochloromethane	3.85	49	77913	47.722	ug/l	88
29) Tetrahydrofuran	4.22	42	116967	252.688	ug/l	95
30) Chloroform	4.00	83	298215	48.651	ug/l	100
31) Cyclohexane	3.82	56	124020	44.712	ug/l	94
32) 1,1,1-Trichloroethane	4.24	97	222874	49.686	ug/l	96
36) 1,1-Dichloropropene	4.42	75	188608	54.072	ug/l	99
37) Ethyl Acetate	4.26	43	122515	55.057	ug/l	88
38) Carbon Tetrachloride	4.14	117	239703m	54.454	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	167377	54.150	ug/l	98
40) Benzene	4.77	78	383888	49.637	ug/l	99
41) Methacrylonitrile	4.89	41	58132	48.857	ug/l	95
42) 1,2-Dichloroethane	5.08	62	233231	51.609	ug/l	100
43) Isopropyl Acetate	7.07	43	144333	49.677	ug/l	95
44) Trichloroethene	5.64	130	136134	51.313	ug/l	91
45) 1,2-Dichloropropane	6.36	63	111390	50.411	ug/l	99
46) Dibromomethane	6.22	93	101982	53.176	ug/l	94
47) Bromodichloromethane	6.51	83	254453	54.810	ug/l	97
48) Methyl methacrylate	6.84	41	104168	53.495	ug/l	98
49) 1,4-Dioxane	6.83	88	11206	1082.051	ug/l #	81
51) 4-Methyl-2-Pentanone	8.38	43	536827	249.400	ug/l	99
52) Toluene	7.74	92	265427	45.866	ug/l	97
53) t-1,3-Dichloropropene	8.40	75	224860	53.137	ug/l	100
54) cis-1,3-Dichloropropene	7.43	75	250181	54.429	ug/l	97
55) 1,1,2-Trichloroethane	8.60	97	117469	52.280	ug/l	93
56) Ethyl methacrylate	8.73	69	146888	52.773	ug/l	93
57) 1,3-Dichloropropane	8.97	76	205370	53.294	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.74	63	51933	248.777	ug/l	100
59) 2-Hexanone	9.60	43	448443	279.299	ug/l	97
60) Dibromochloromethane	8.83	129	191833	55.301	ug/l	88
61) 1,2-Dibromoethane	9.10	107	134747	49.448	ug/l	95
64) Tetrachloroethene	8.28	164	135853	49.224	ug/l	97
65) Chlorobenzene	9.91	112	393324	49.882	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	165203	48.442	ug/l	96
67) Ethyl Benzene	10.01	91	650977	48.666	ug/l	100
68) m/p-Xylenes	10.24	106	467081	98.104	ug/l	99
69) o-Xylene	10.80	106	256648	48.194	ug/l	97
70) Styrene	10.88	104	395243	48.723	ug/l	97
71) Bromoform	10.86	173	120835	51.694	ug/l	98
73) Isopropylbenzene	11.20	105	757388	51.988	ug/l	100
74) N-amyl acetate	11.44	43	263118	49.769	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	179100	48.677	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	136156	49.057	ug/l	94
77) Bromobenzene	11.57	156	205335	50.801	ug/l	97
78) n-propylbenzene	11.67	91	902321	51.572	ug/l	98
79) 2-Chlorotoluene	11.80	91	548206	51.285	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	657638	51.533	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	82879	50.172	ug/l	97
82) 4-Chlorotoluene	11.97	91	596941	52.137	ug/l	98
83) tert-Butylbenzene	12.20	119	686599	53.793	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	693997	51.636	ug/l	99
85) sec-Butylbenzene	12.37	105	882269	52.148	ug/l	100
86) p-Isopropyltoluene	12.52	119	758656	53.433	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	374036	56.663	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	368686	51.076	ug/l	98
89) n-Butylbenzene	12.90	91	752895	52.235	ug/l	99
90) Hexachloroethane	12.98	117	188138	53.166	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	368427	50.209	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	41569	50.966	ug/l	85

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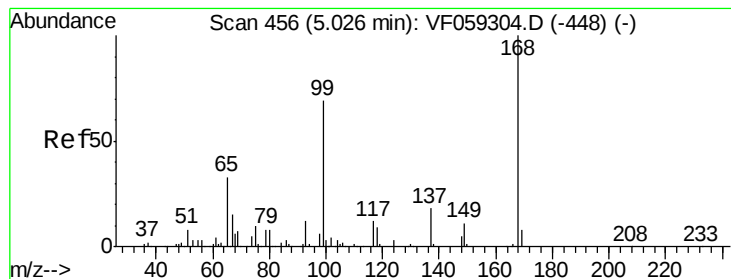
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	298899	55.090	ug/l	97
94) Hexachlorobutadiene	14.24	225	173127	57.126	ug/l	96
95) Naphthalene	14.51	128	599549	52.814	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	280957	54.662	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 278661

Ion Ratio Lower Upper

168 100

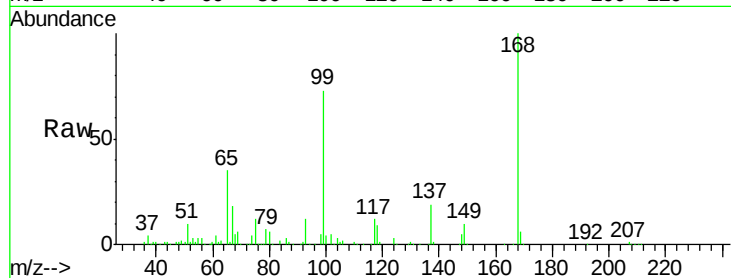
99 73.3 54.9 82.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.00

100000

80000

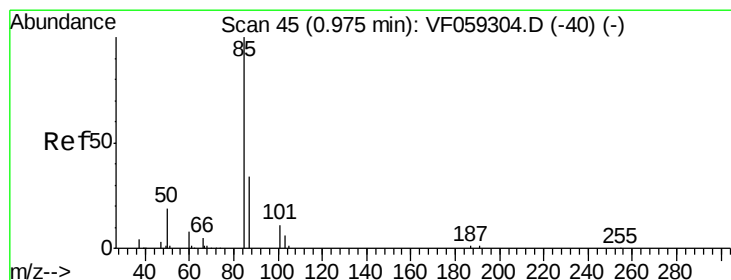
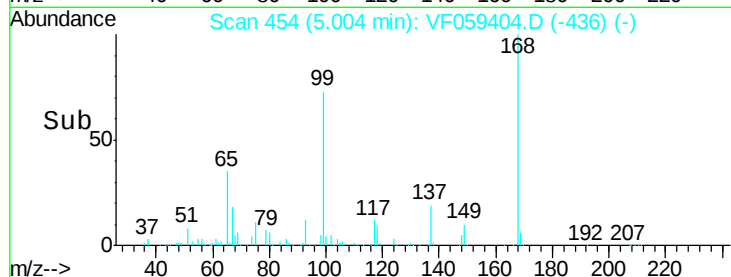
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 46.350 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059404.D

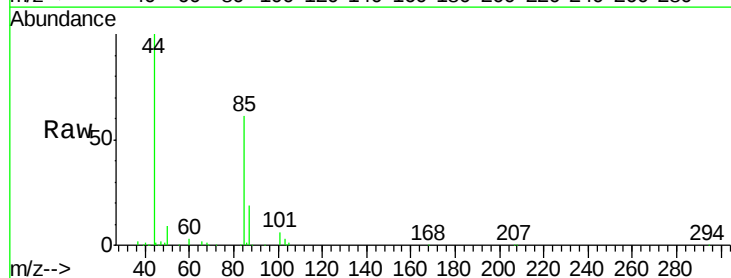
Acq: 3 Jul 2018 11:03

Tgt Ion: 85 Resp: 118005

Ion Ratio Lower Upper

85 100

87 31.6 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

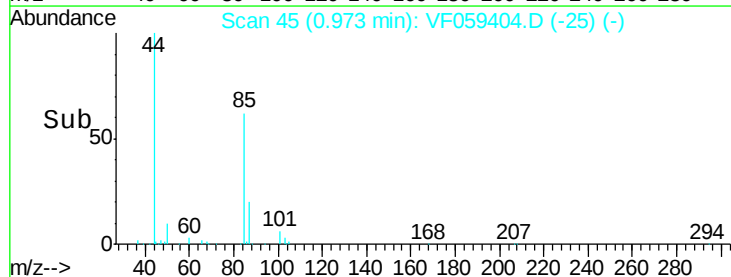
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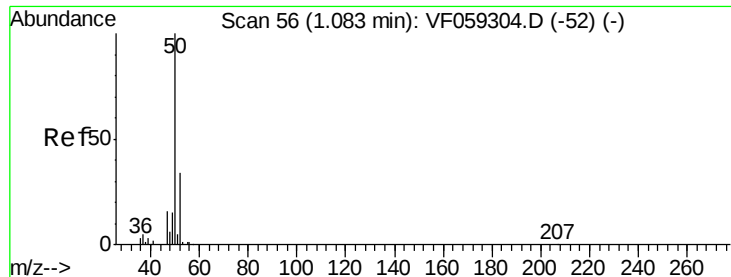
20000

10000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 42.981 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tot Ion: 50 Resp: 73515

Ion Ratio Lower Upper

50 100

52 35.8 26.7 40.1

Instrument :

MSVOA_F

ClientSampleId :

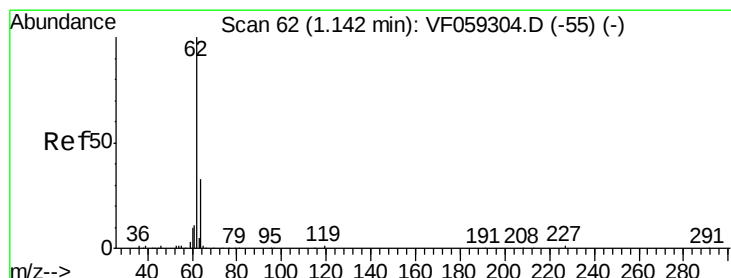
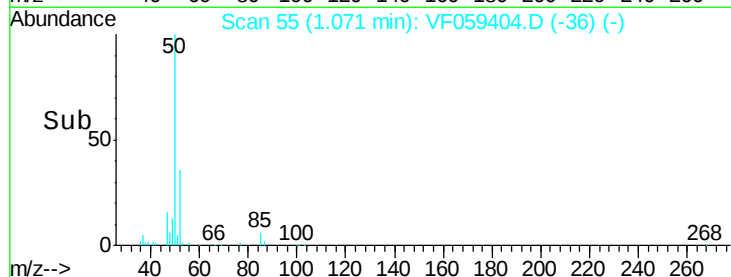
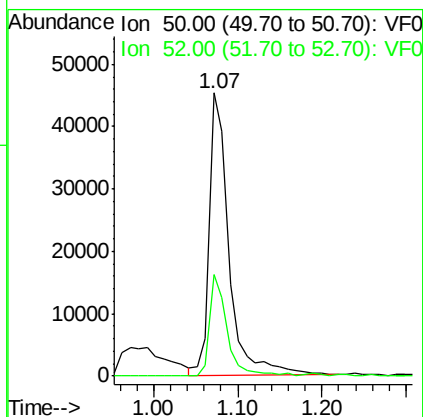
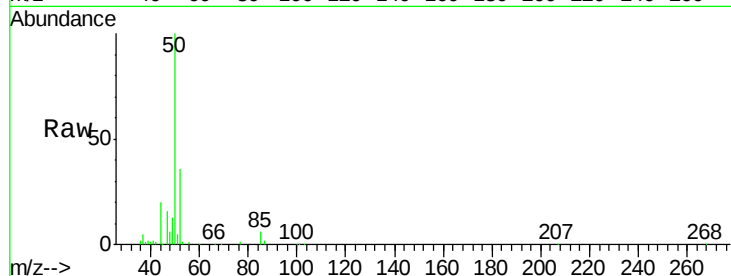
VSTDCCC050

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#4

Vinyl Chloride

Concen: 47.700 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059404.D

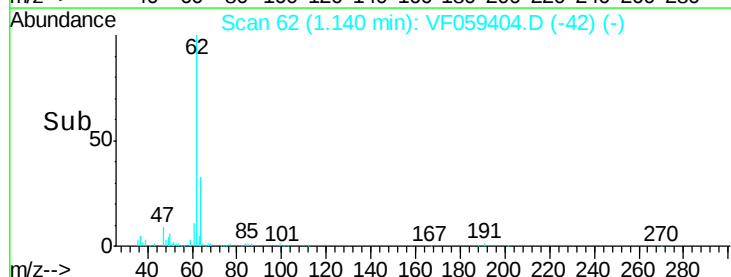
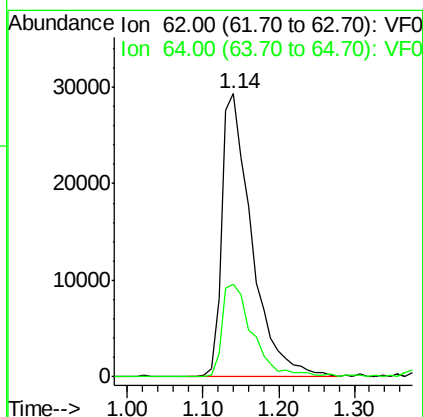
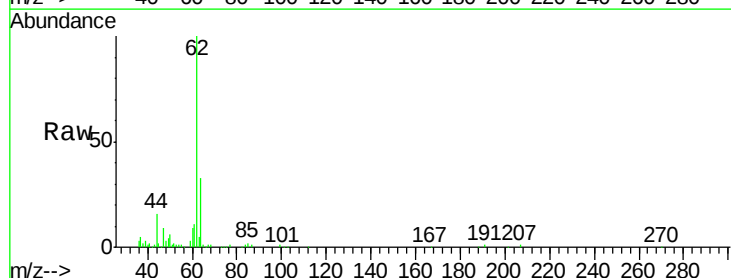
Acq: 3 Jul 2018 11:03

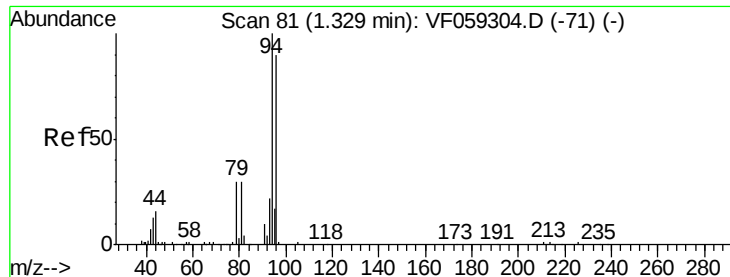
Tgt Ion: 62 Resp: 80308

Ion Ratio Lower Upper

62 100

64 32.8 26.3 39.5





#5

Bromomethane

Concen: 52.366 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 49257

Ion Ratio Lower Upper

94 100

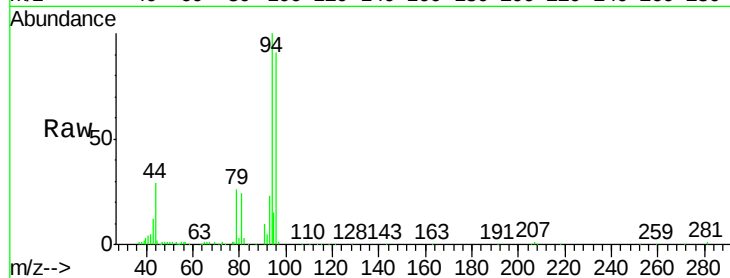
96 90.8 73.4 110.0

Manual Integrations

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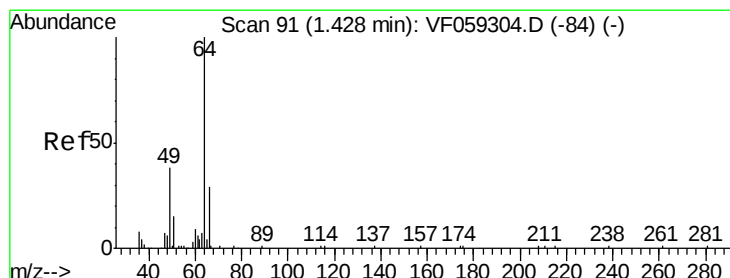
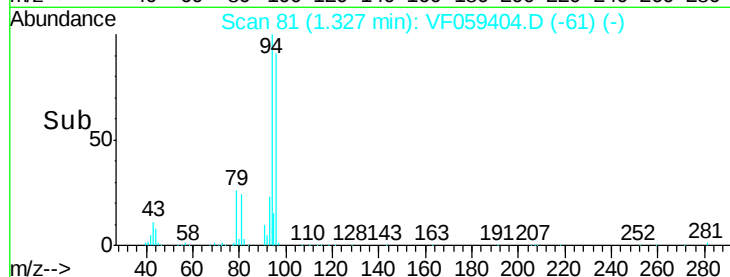
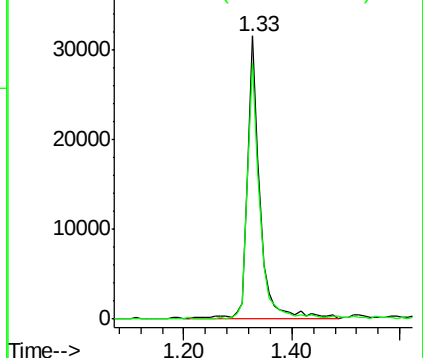
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 46.435 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059404.D

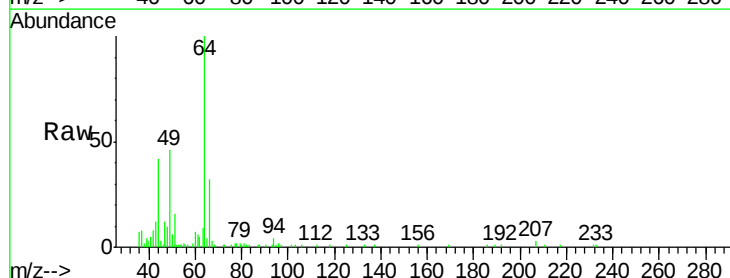
Acq: 3 Jul 2018 11:03

Tgt Ion: 64 Resp: 39376

Ion Ratio Lower Upper

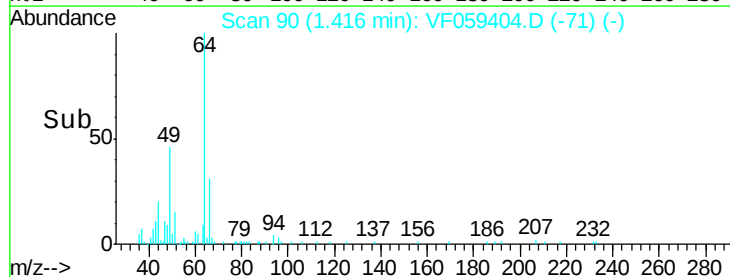
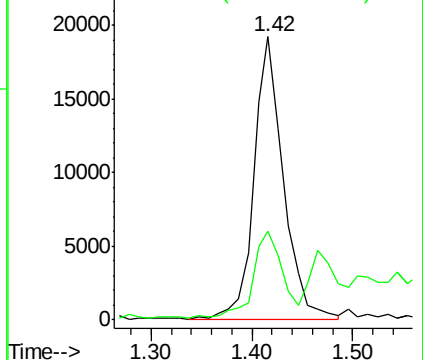
64 100

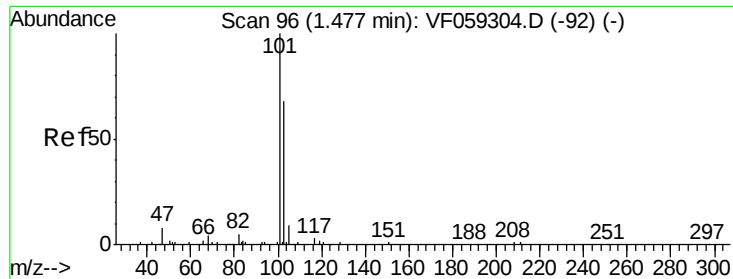
66 31.5 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

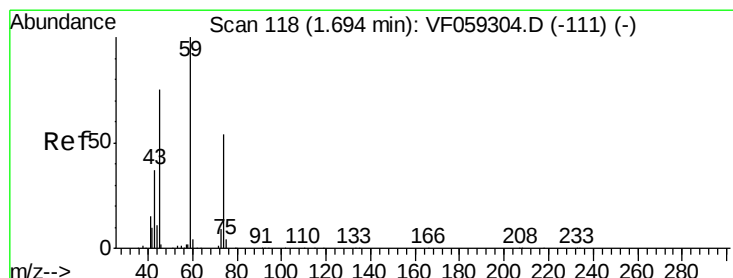
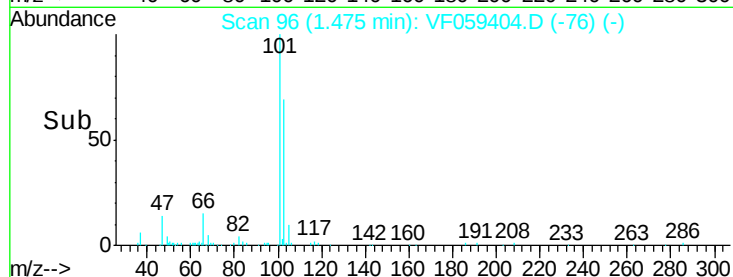
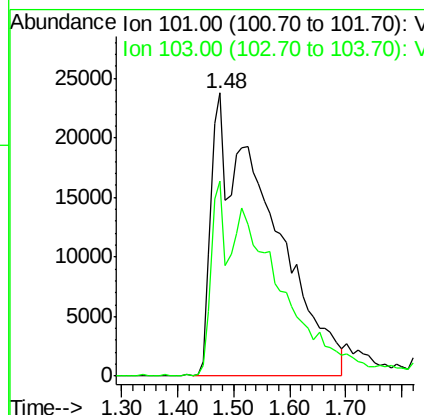
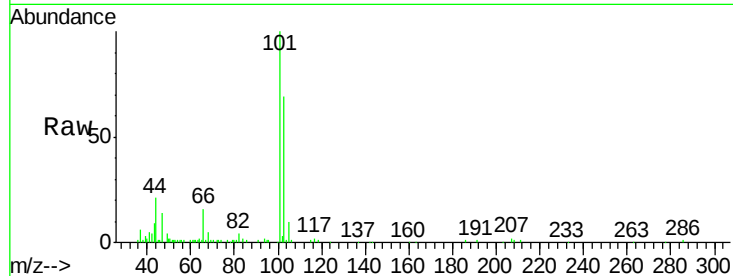
Trichlorofluoromethane
Concen: 52.022 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.00 min
Lab File: VF059404.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.1	54.2	81.2

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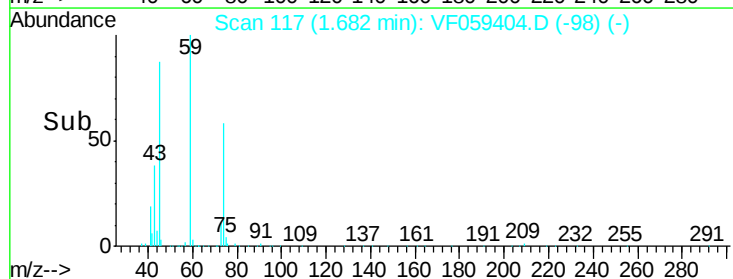
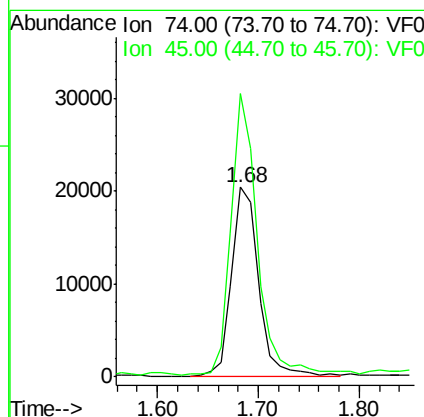
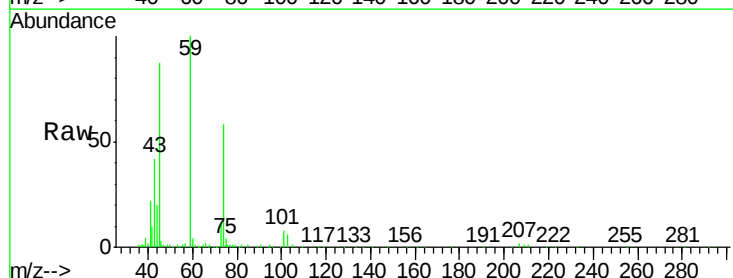
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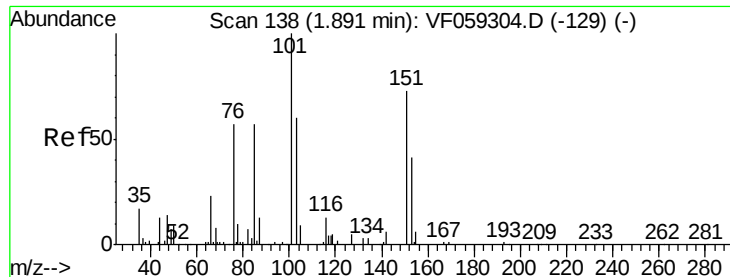


#8

Diethyl Ether
Concen: 45.231 ug/l
RT: 1.68 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	149.4	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.923 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

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MSVOA_F

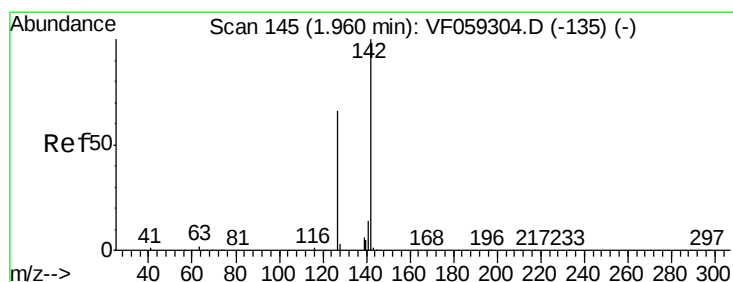
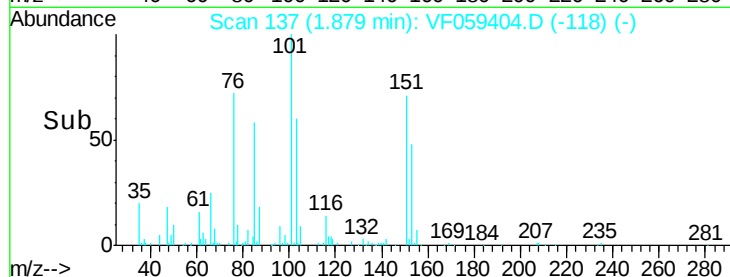
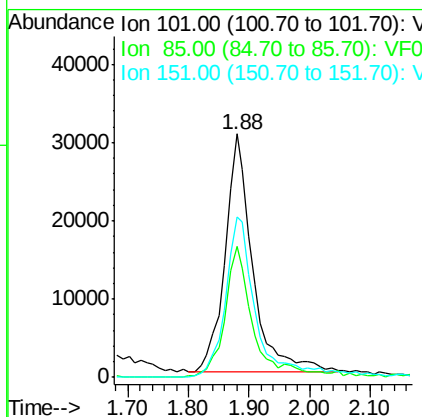
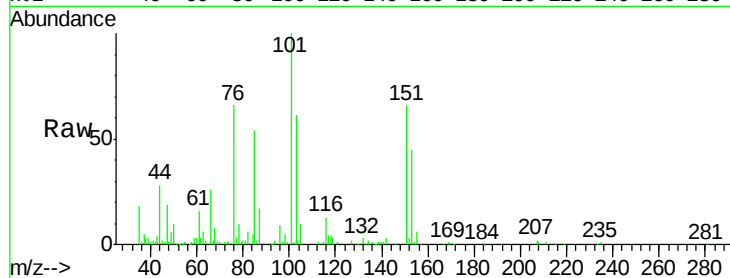
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	95075
Ion Ratio	Lower	Upper	
101	100		
85	53.8	44.5	66.7
151	65.7	56.8	85.2

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#10

Methyl Iodide

Concen: 46.800 ug/l

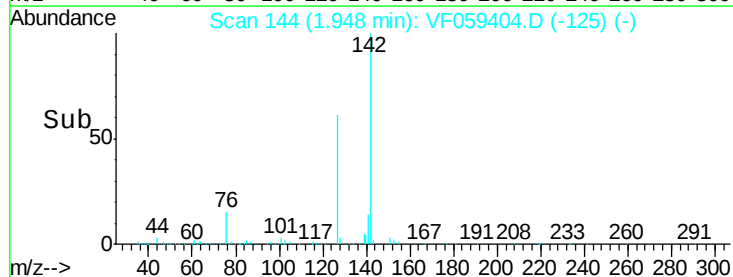
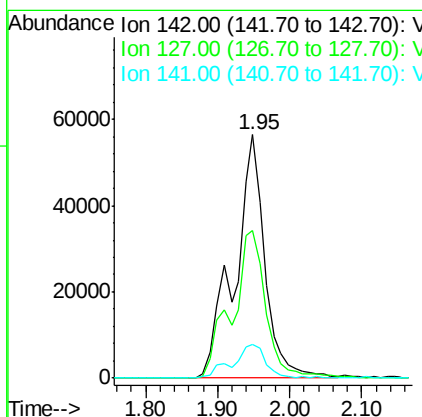
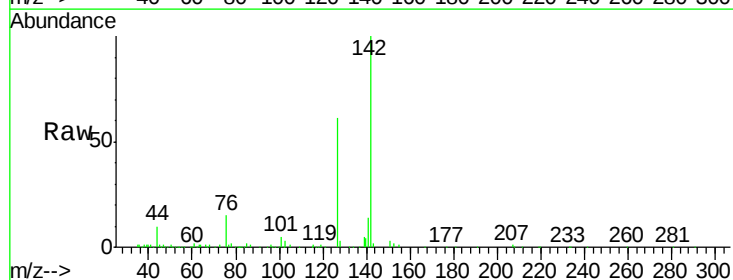
RT: 1.95 min Scan# 144

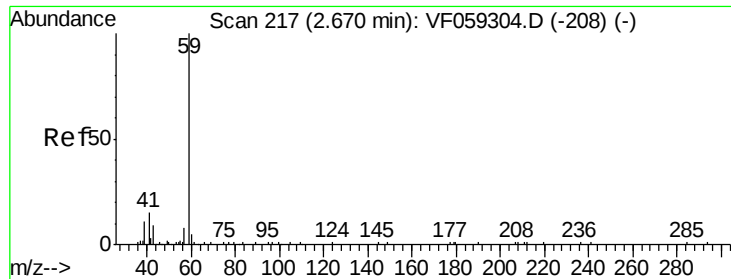
Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion:	142	Resp:	165848
Ion Ratio	Lower	Upper	
142	100		
127	60.6	52.5	78.7
141	13.7	11.5	17.3





#11

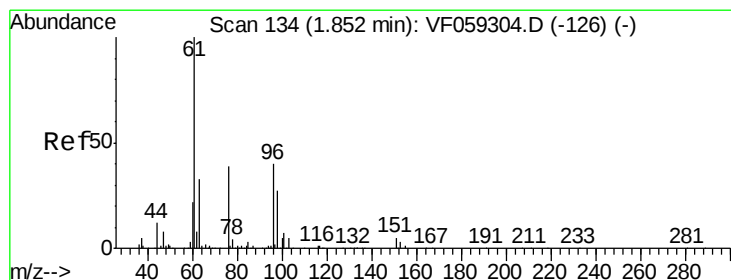
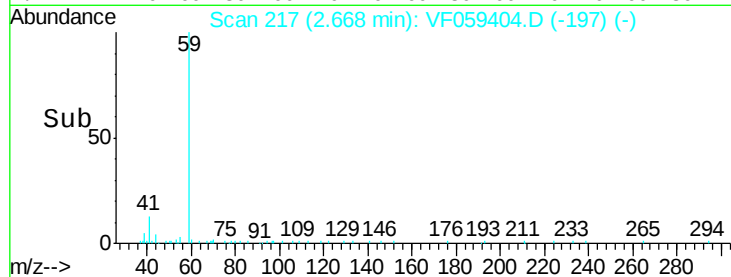
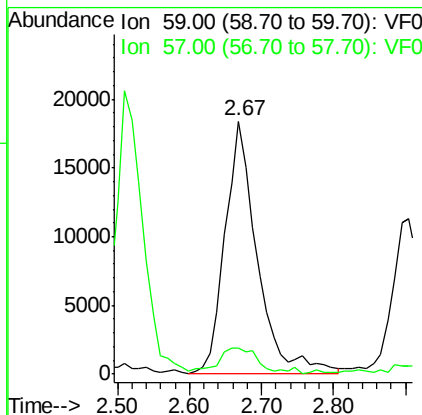
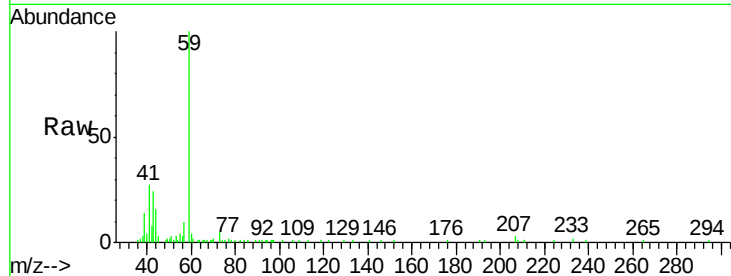
Tert butyl alcohol
 Concen: 239.075 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	11.0	16.4#

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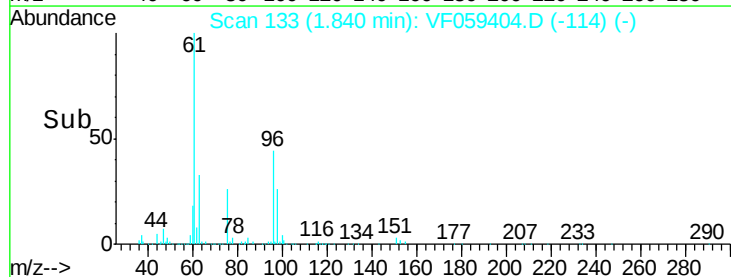
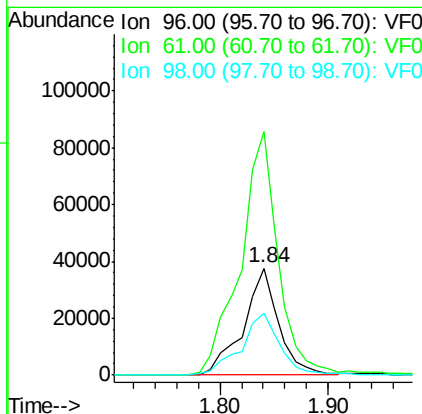
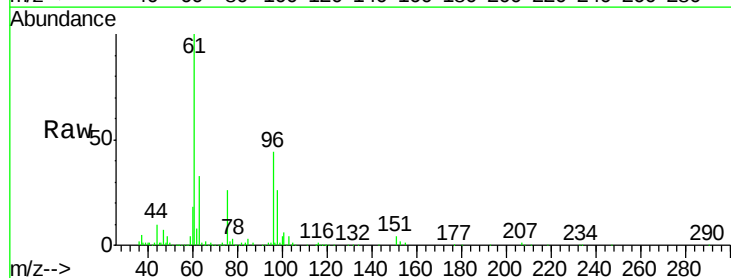
apatel
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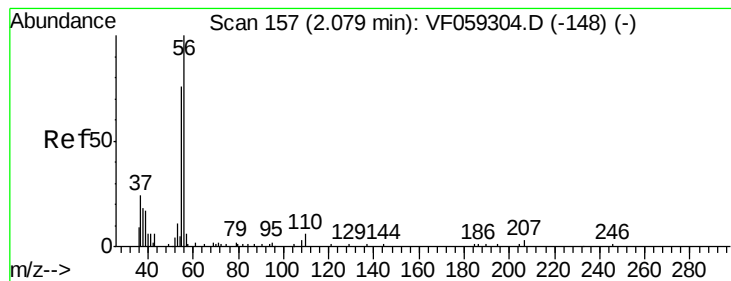


#12

1,1-Dichloroethene
 Concen: 52.241 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	228.3	201.1	301.7
98	58.6	53.9	80.9





#13

Acrolein

Concen: 322.769 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 36245

Ion Ratio Lower Upper

56 100

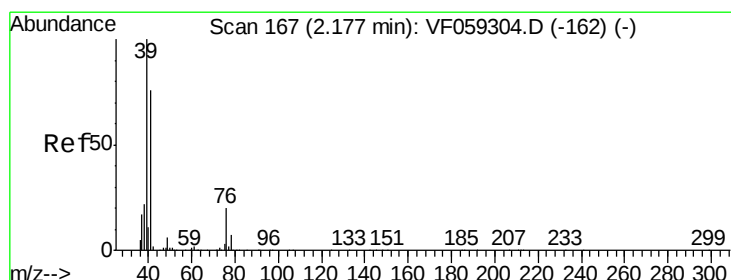
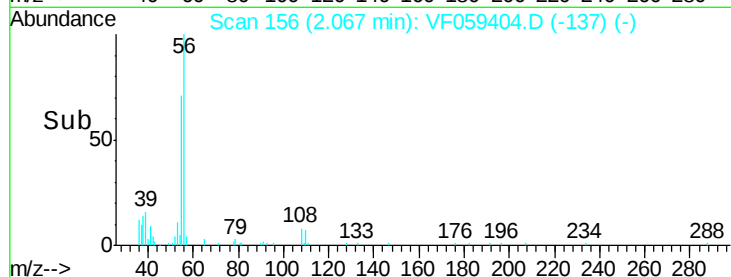
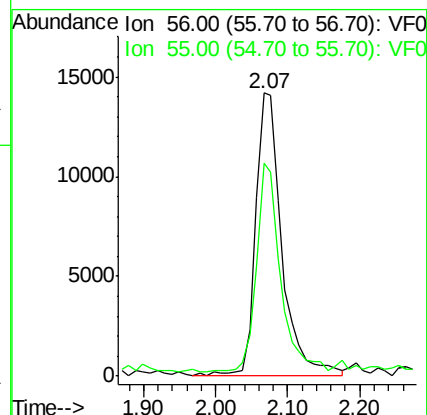
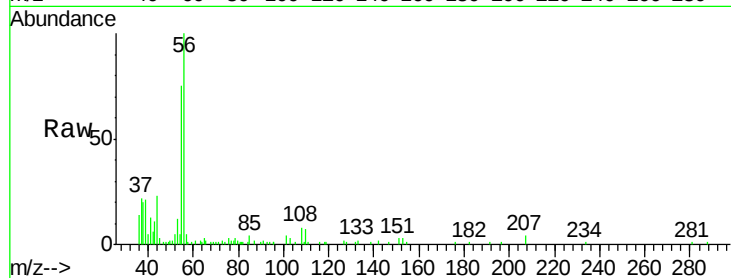
55 75.2 62.4 93.6

Manual Integrations

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#14

Allyl chloride

Concen: 51.669 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

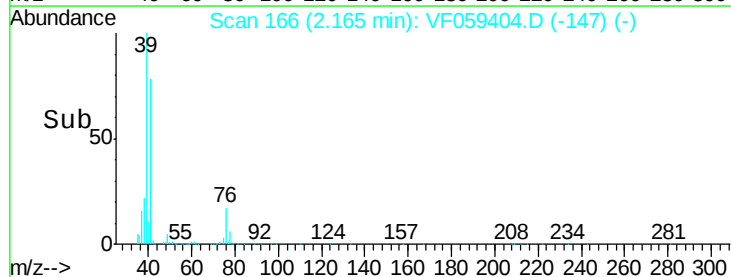
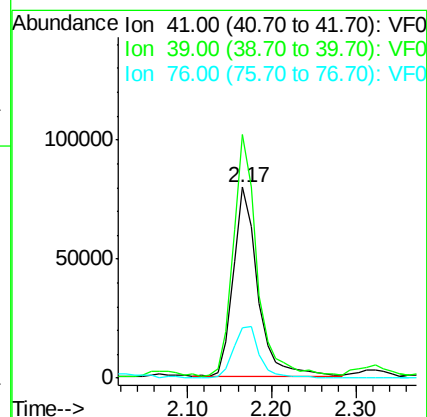
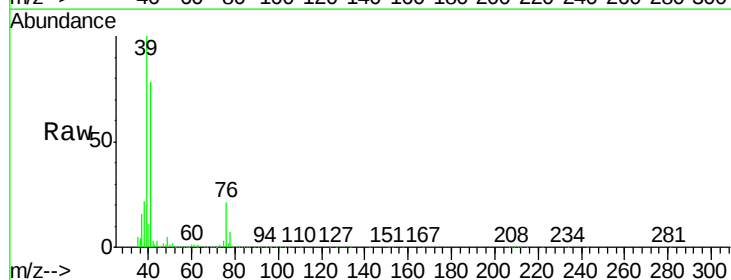
Tgt Ion: 41 Resp: 159344

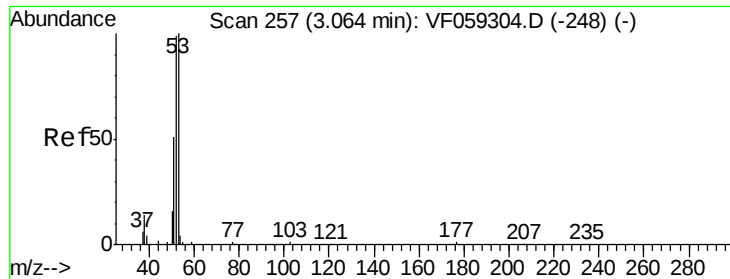
Ion Ratio Lower Upper

41 100

39 127.8 105.6 158.4

76 26.3 21.6 32.4





#15

Acrylonitrile

Concen: 234.164 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

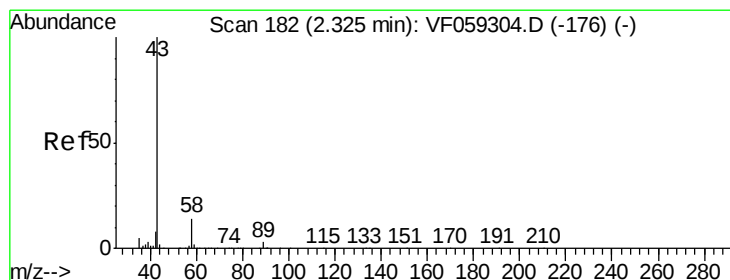
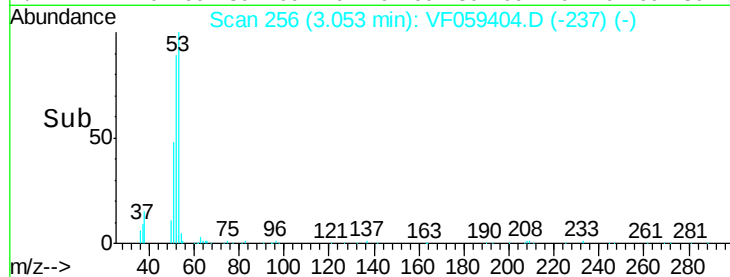
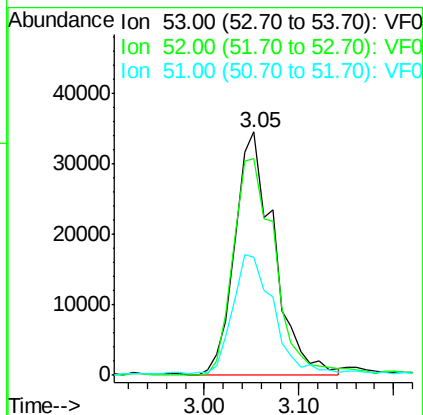
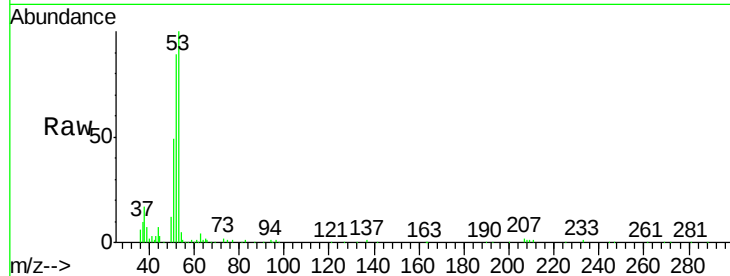
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	98835
Ion	Ratio	Lower	Upper
53	100		
52	88.8	79.2	118.8
51	48.7	40.9	61.3

Manual Integrations
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#16

Acetone

Concen: 287.994 ug/l

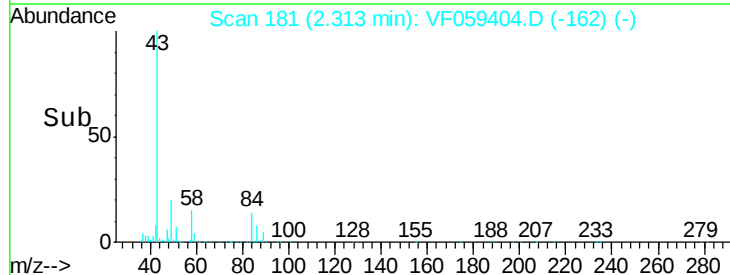
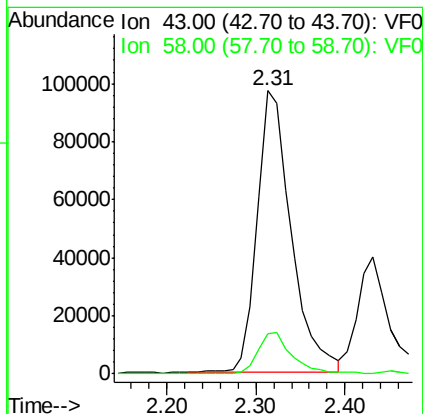
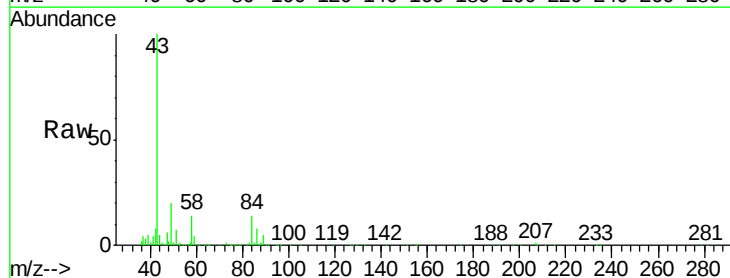
RT: 2.31 min Scan# 181

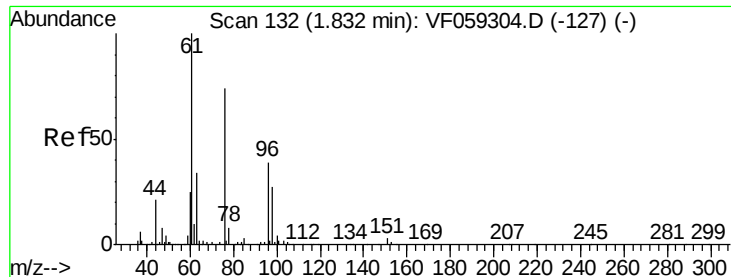
Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion:	43	Resp:	257557
Ion	Ratio	Lower	Upper
43	100		
58	14.4	11.4	17.0





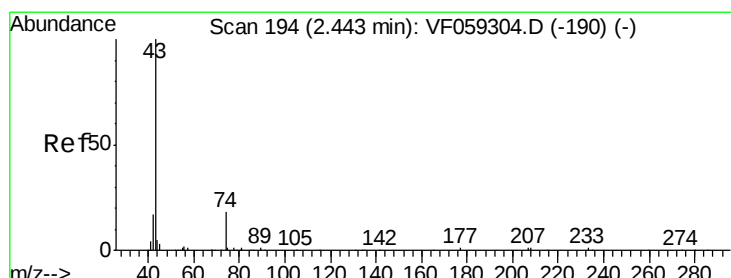
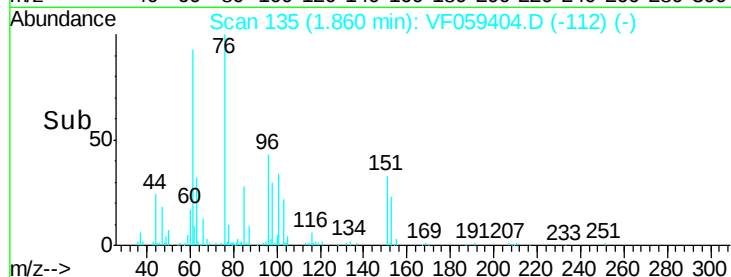
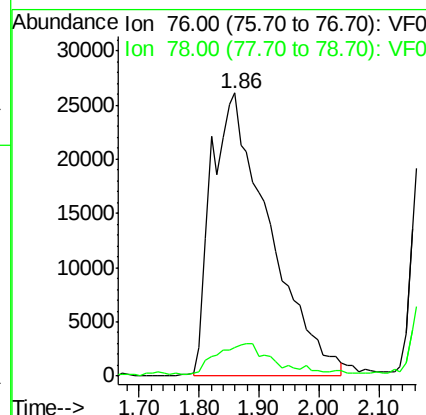
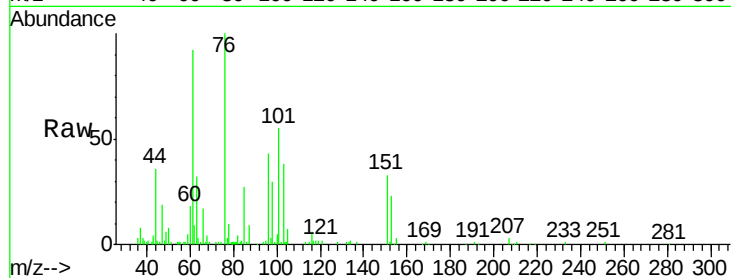
#17
Carbon Disulfide
Concen: 45.355 ug/l m
RT: 1.86 min Scan# 135
Delta R.T. 0.03 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 175276
Ion Ratio Lower Upper
76 100
78 10.1 8.9 13.3

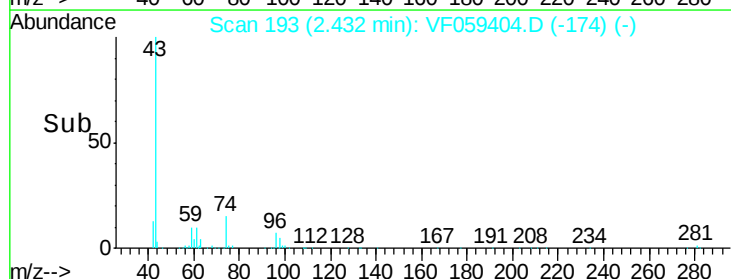
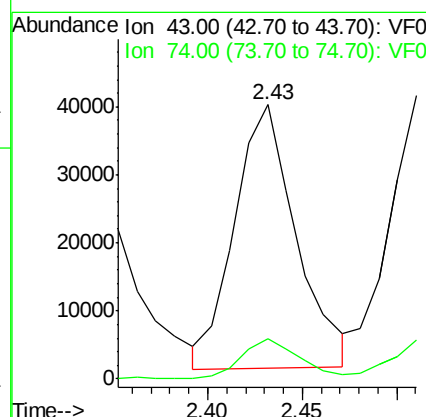
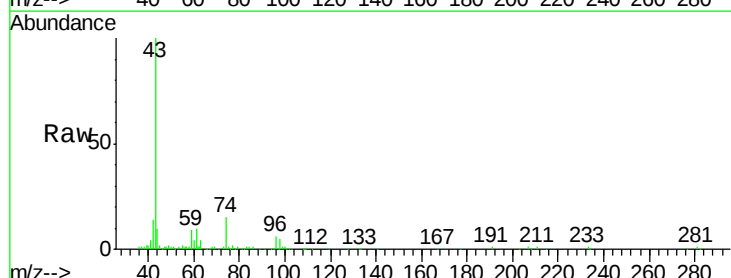
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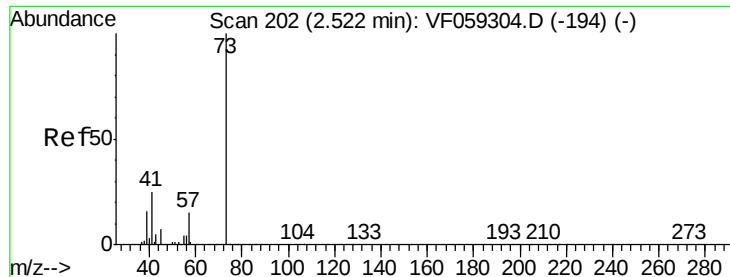
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#18
Methyl Acetate
Concen: 53.851 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion: 43 Resp: 87362
Ion Ratio Lower Upper
43 100
74 14.6 13.3 19.9





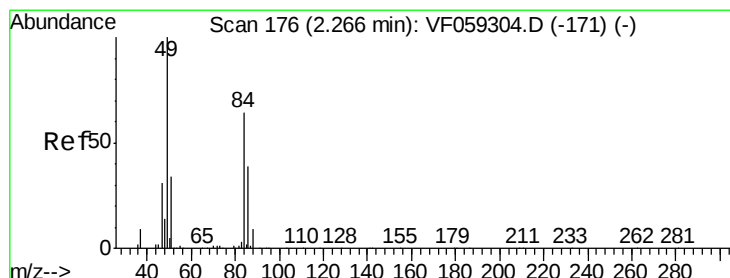
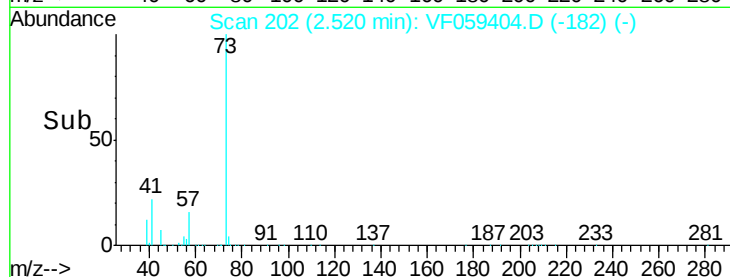
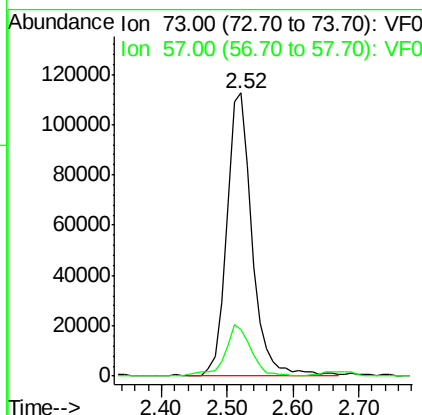
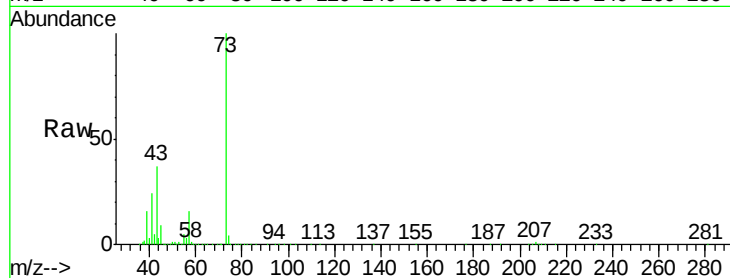
#19
Methyl tert-butyl Ether
Concen: 49.051 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.4	12.3	18.5

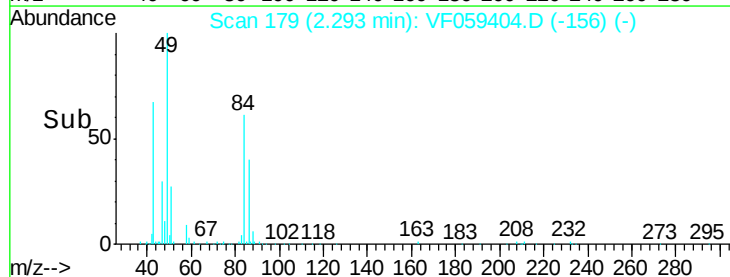
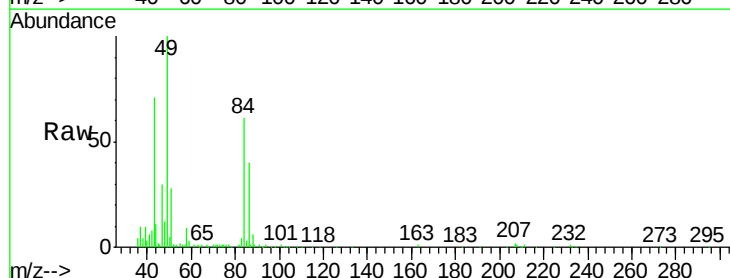
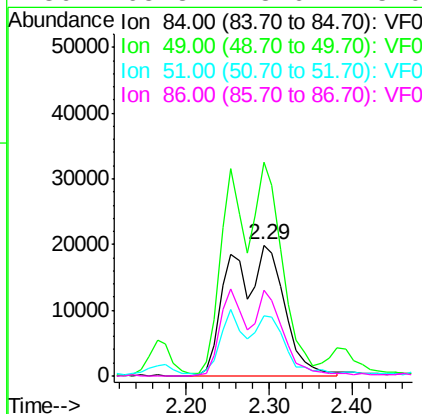
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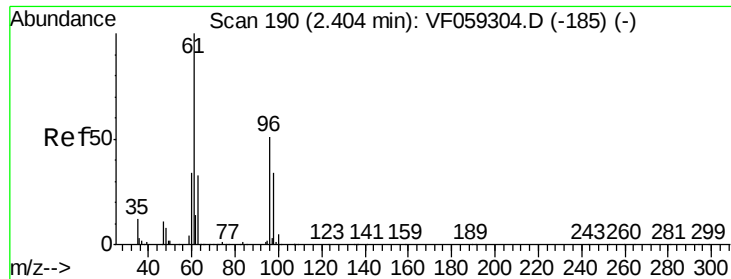
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#20
Methylene Chloride
Concen: 43.176 ug/l m
RT: 2.29 min Scan# 179
Delta R.T. 0.03 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	162.8	126.5	189.7
51	46.1	42.9	64.3
86	65.3	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 49.259 ug/l

RT: 2.39 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

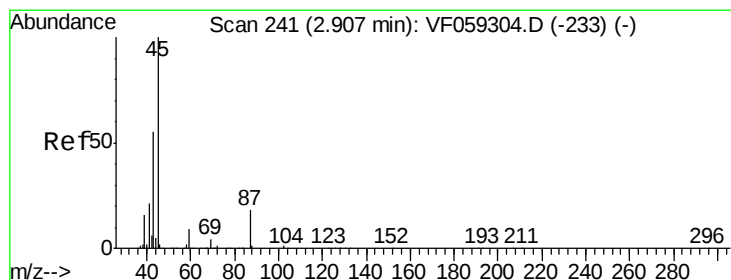
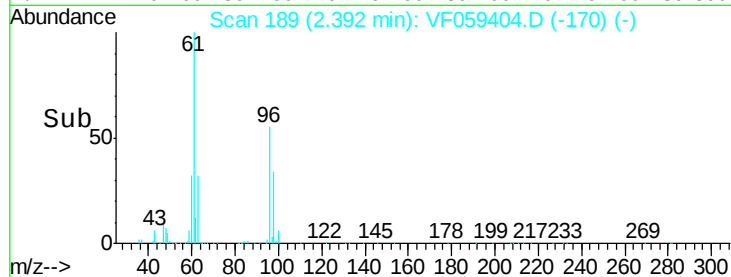
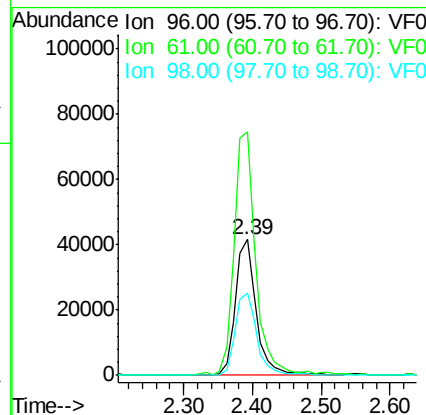
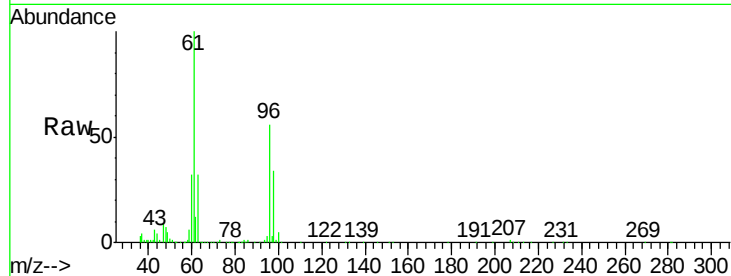
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	86328
Ion Ratio	Lower	Upper	
96	100		
61	179.6	157.4	236.2
98	60.7	53.7	80.5

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#22

Diisopropyl ether

Concen: 49.796 ug/l

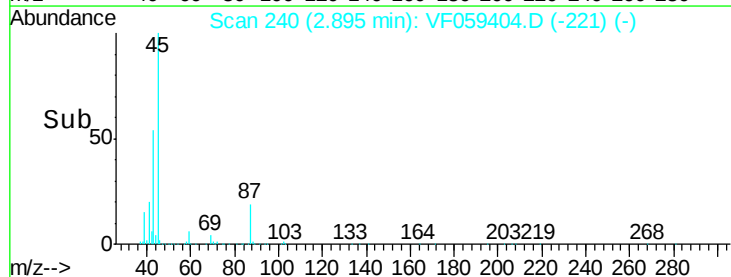
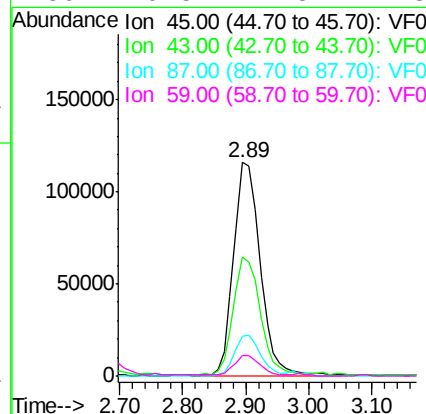
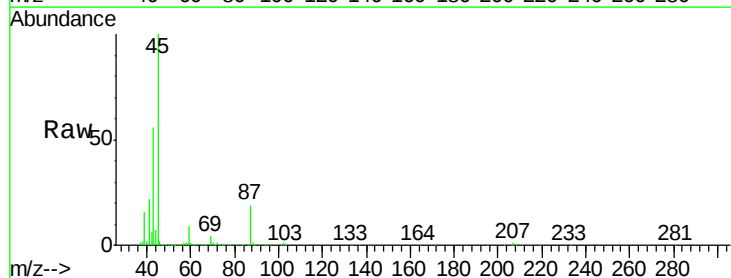
RT: 2.89 min Scan# 240

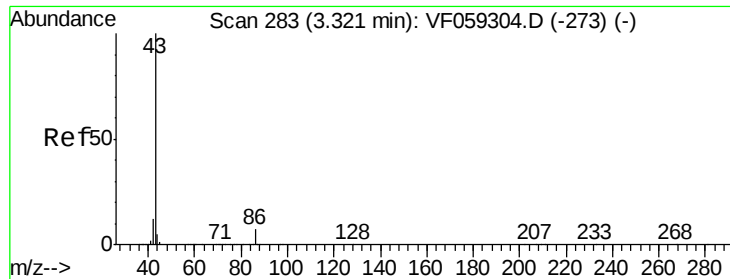
Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion:	45	Resp:	340067
Ion Ratio	Lower	Upper	
45	100		
43	55.8	44.6	66.8
87	18.7	14.3	21.5
59	9.5	7.5	11.3





#23

Vinyl Acetate

Concen: 244.174 ug/l

RT: 3.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1061969

Ion Ratio Lower Upper

43 100

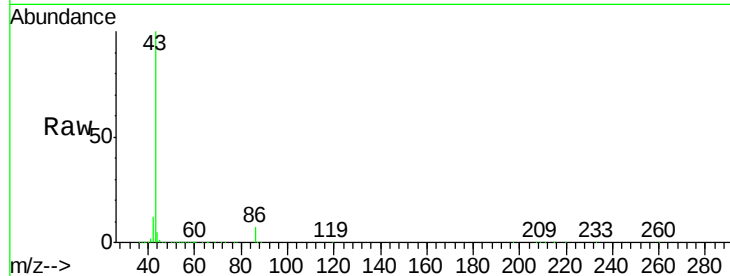
86 6.6 5.8 8.6

Manual Integrations

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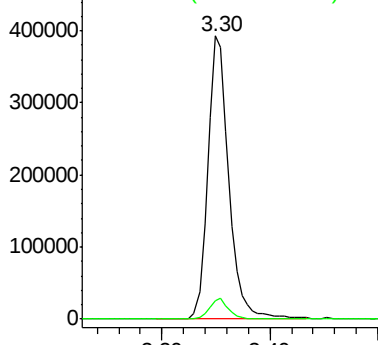
apatel

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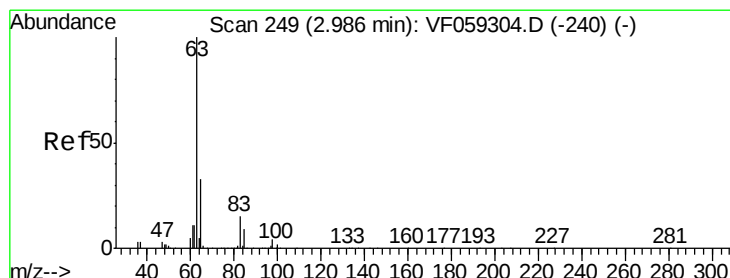
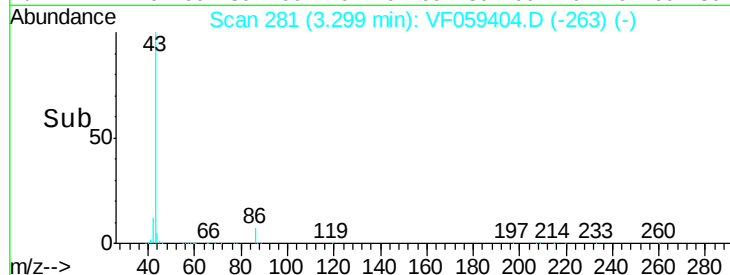


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 48.085 ug/l

RT: 2.97 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

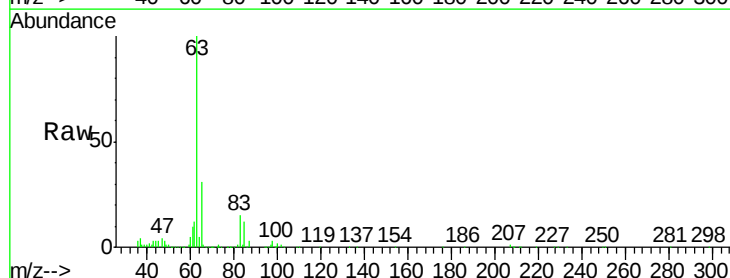
Tgt Ion: 63 Resp: 203599

Ion Ratio Lower Upper

63 100

98 3.6 2.0 6.0

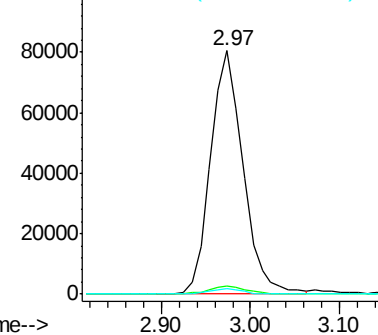
100 2.3 1.3 3.9



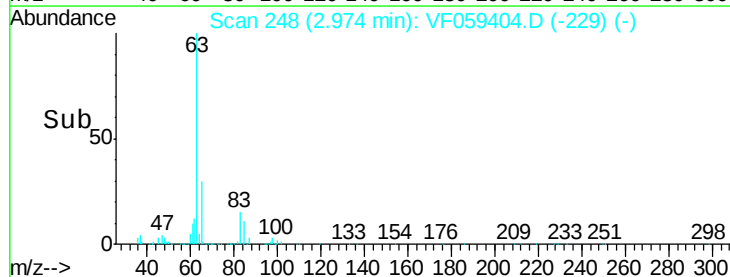
Abundance Ion 63.00 (62.70 to 63.70): VF0

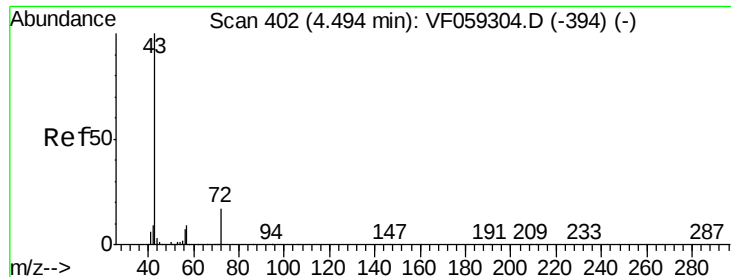
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#25

2-Butanone

Concen: 260.423 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 283506

Ion Ratio Lower Upper

43 100

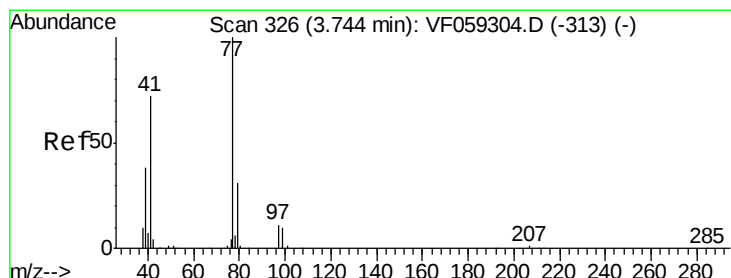
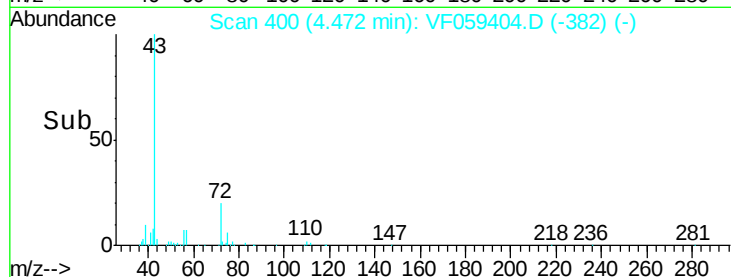
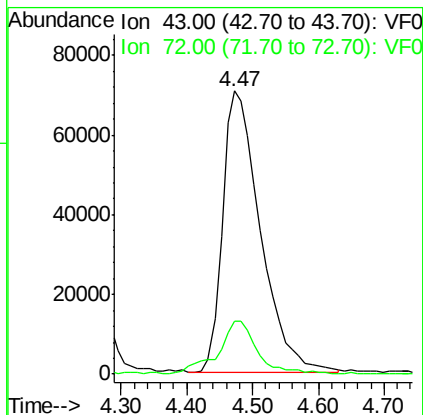
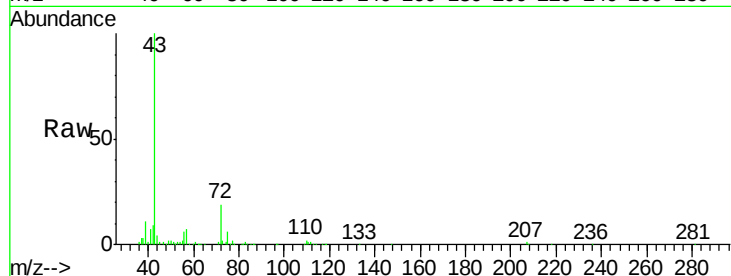
72 18.7 14.4 21.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.446 ug/l

RT: 3.73 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059404.D

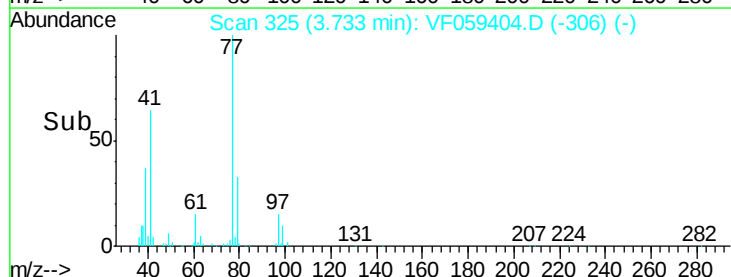
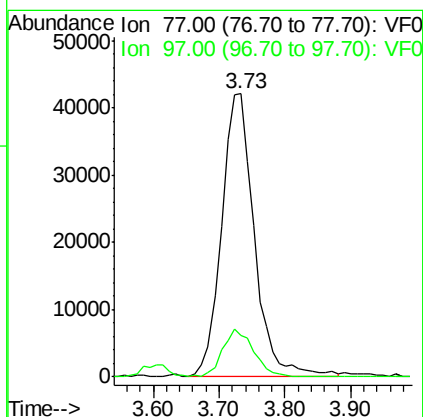
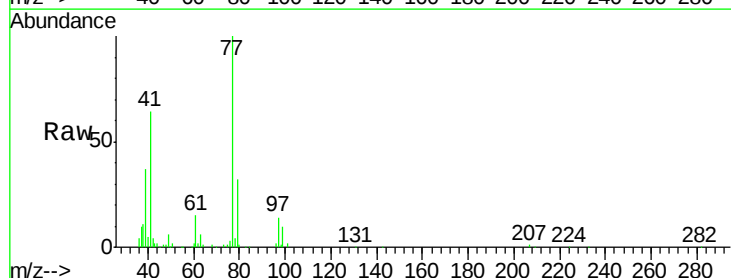
Acq: 3 Jul 2018 11:03

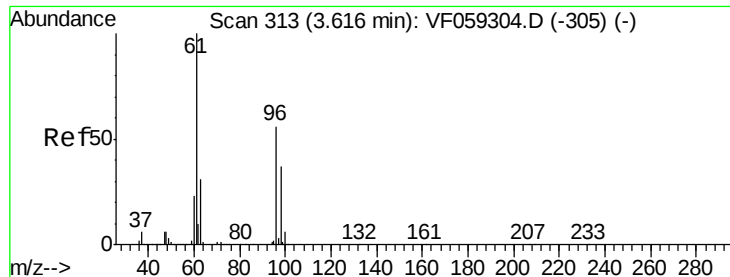
Tgt Ion: 77 Resp: 147322

Ion Ratio Lower Upper

77 100

97 14.5 8.0 23.8





#27

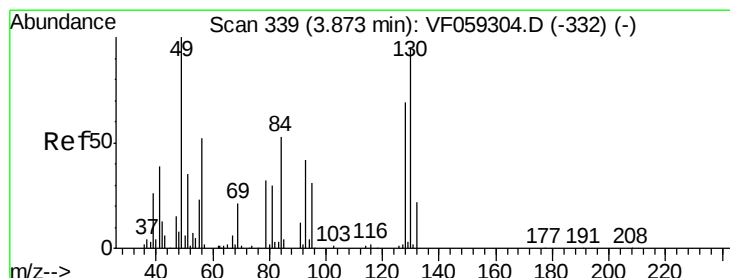
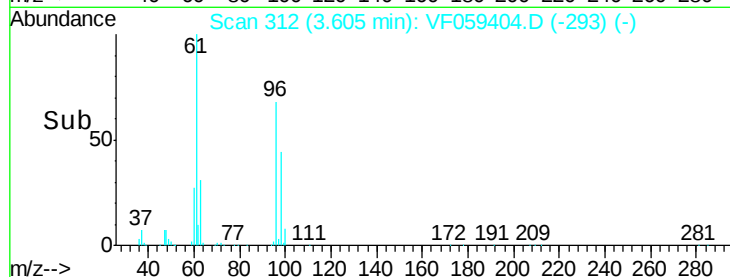
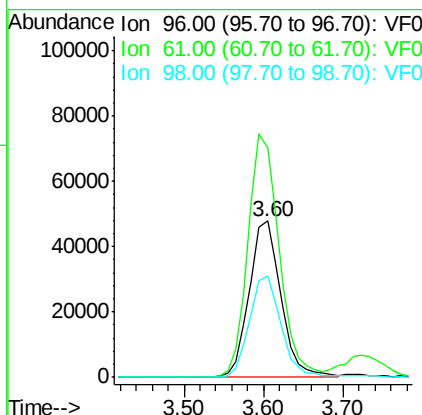
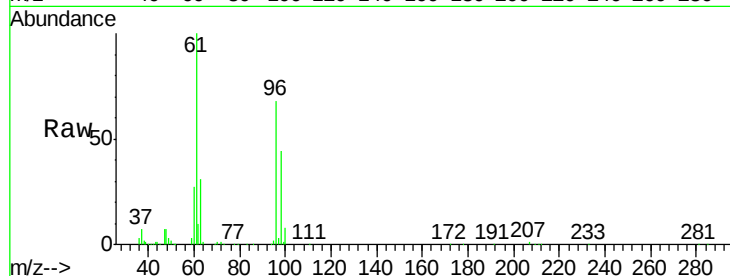
cis-1,2-Dichloroethene
Concen: 49.529 ug/l
RT: 3.60 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131788		
61	147.1	0.0	355.4	
98	64.8	0.0	131.0	

Manual Integrations
APPROVED

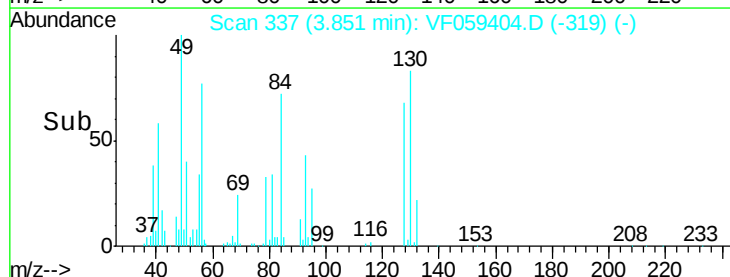
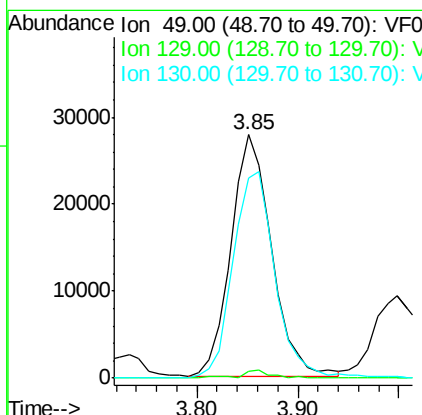
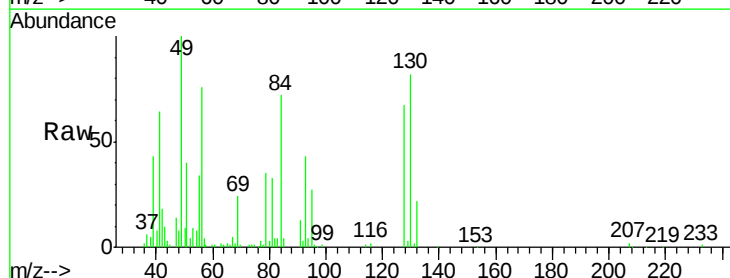
apatel
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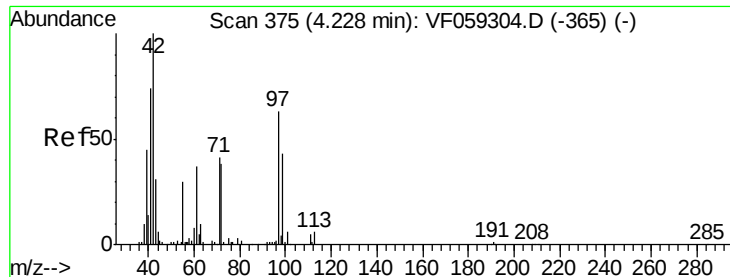


#28

Bromochloromethane
Concen: 47.722 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	77913		
129	2.7	0.0	6.4	
130	82.1	75.1	112.7	





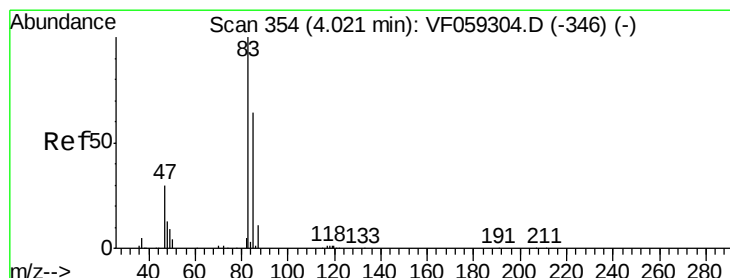
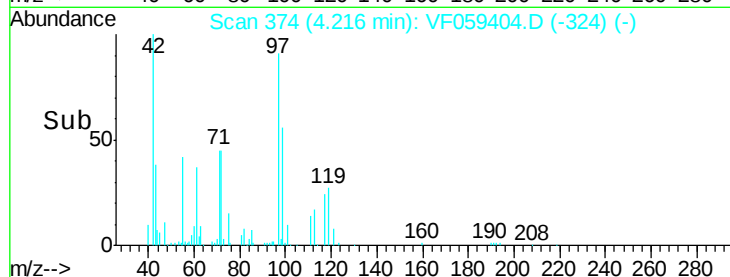
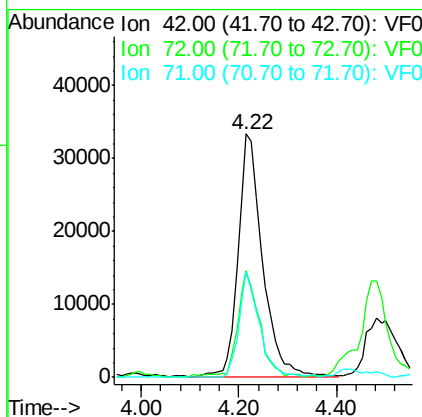
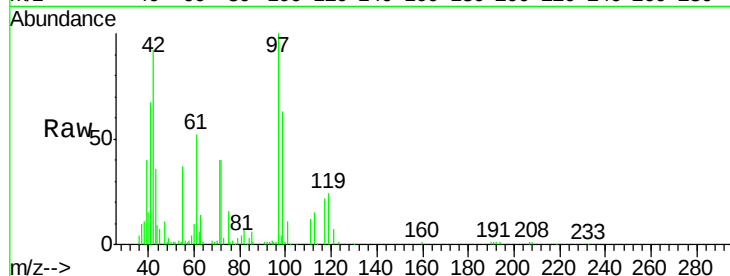
#29
Tetrahydrofuran
Concen: 252.688 ug/l
RT: 4.22 min Scan# 374
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	30.5	45.7
71	36.1	32.5	48.7

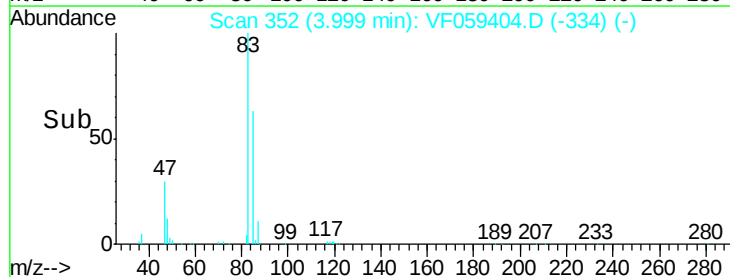
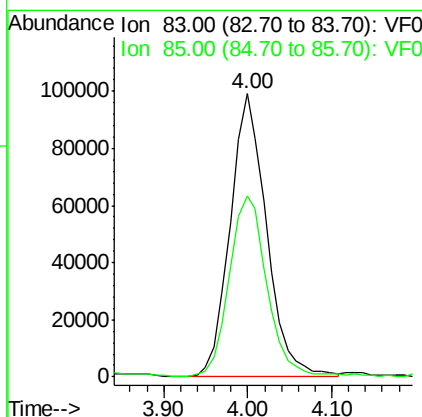
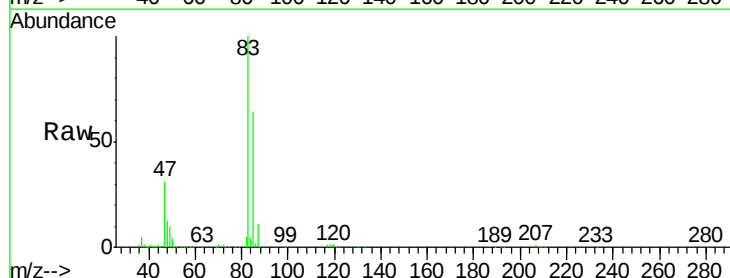
Manual Integrations
APPROVED

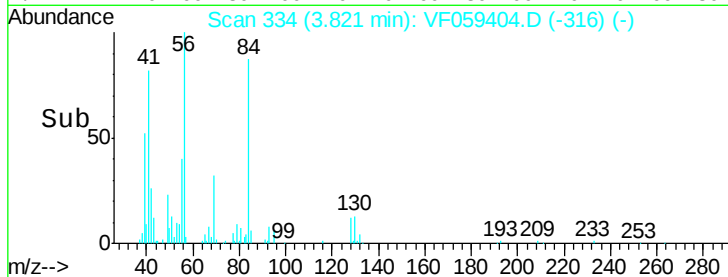
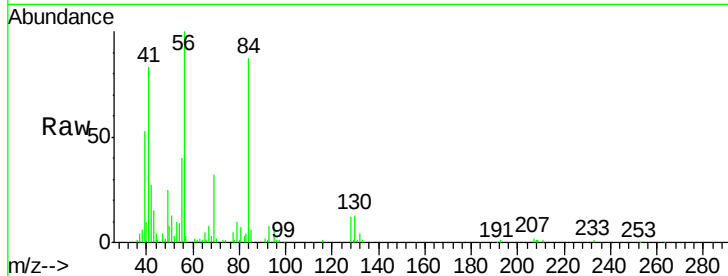
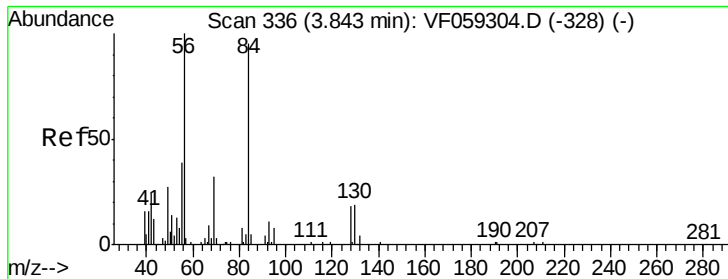
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#30
Chloroform
Concen: 48.651 ug/l
RT: 4.00 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.3	76.9





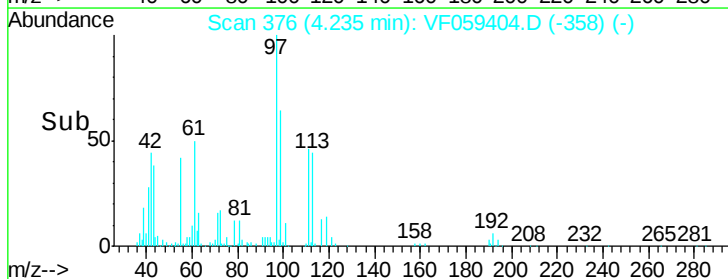
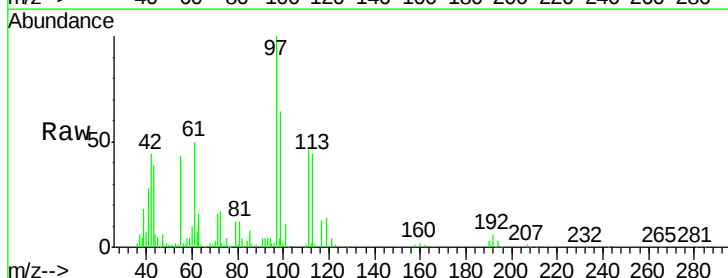
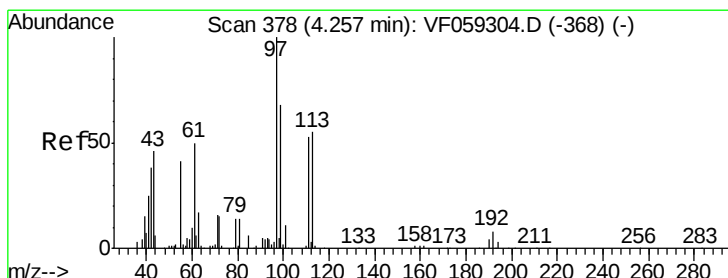
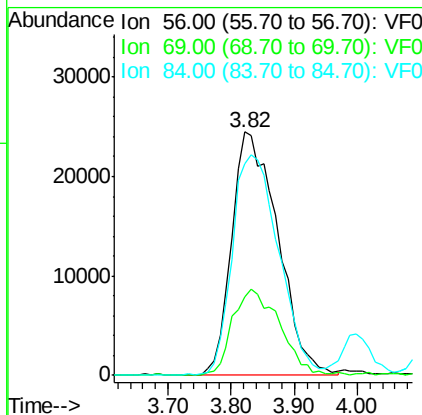
#31
Cyclohexane
Concen: 44.712 ug/l
RT: 3.82 min Scan# 334
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.8	38.8
84	87.0	75.6	113.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

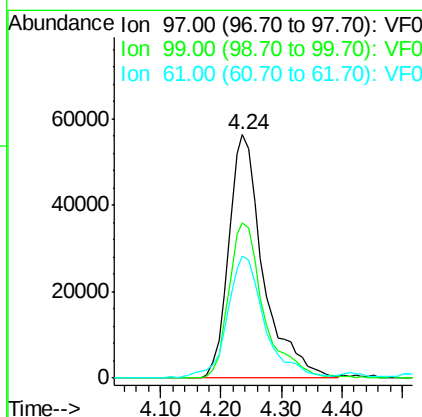
Manual Integrations
APPROVED

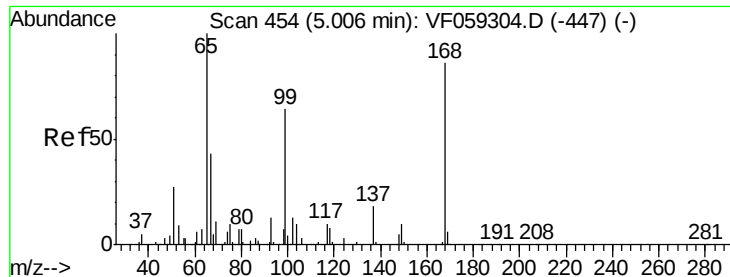
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#32
1,1,1-Trichloroethane
Concen: 49.686 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	54.1	81.1
61	50.0	41.2	61.8





#33

1,2-Dichloroethane-d4

Concen: 43.503 ug/l

RT: 4.98 min Scan# 452

Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 156623

Ion Ratio Lower Upper

65 100

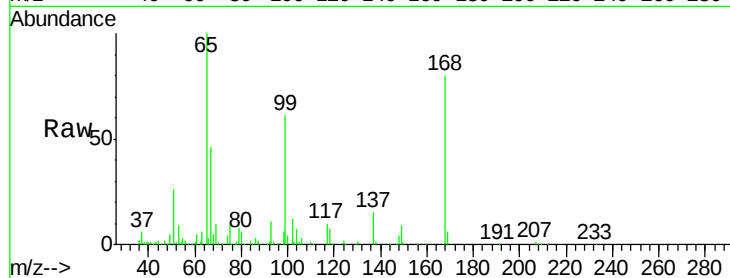
67 46.1 0.0 96.8

Manual Integrations

APPROVED

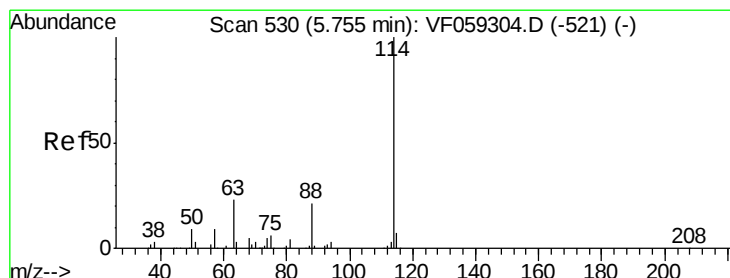
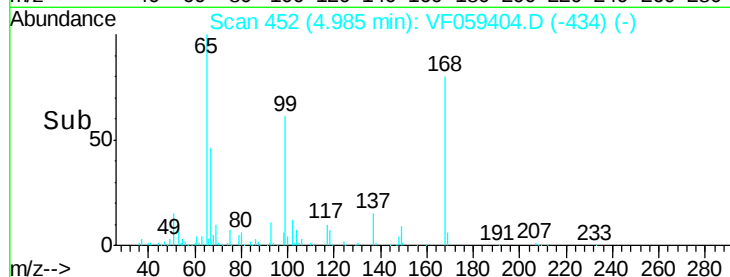
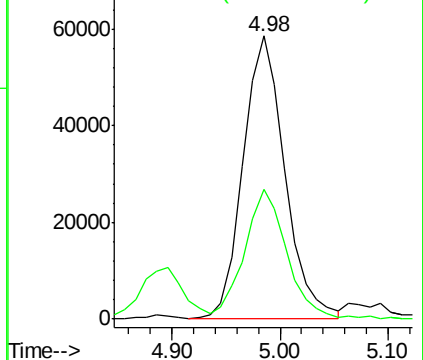
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 528

Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

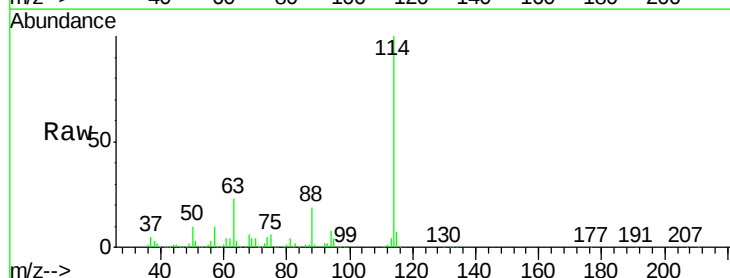
Tgt Ion: 114 Resp: 399286

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.8

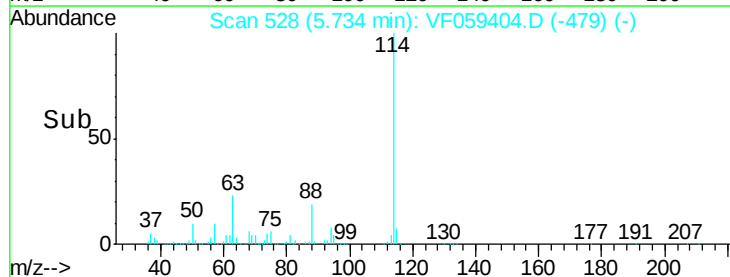
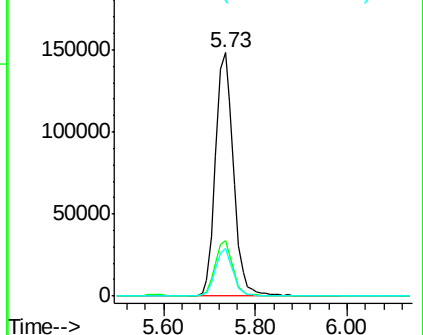
88 19.4 0.0 41.2

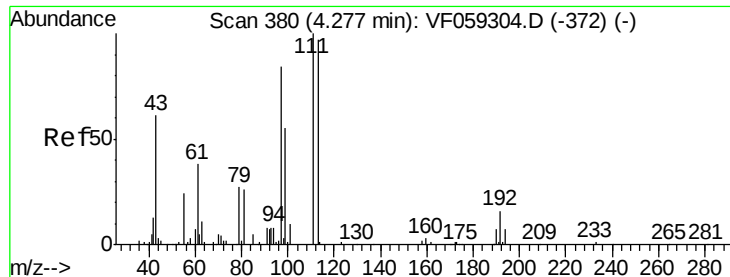


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





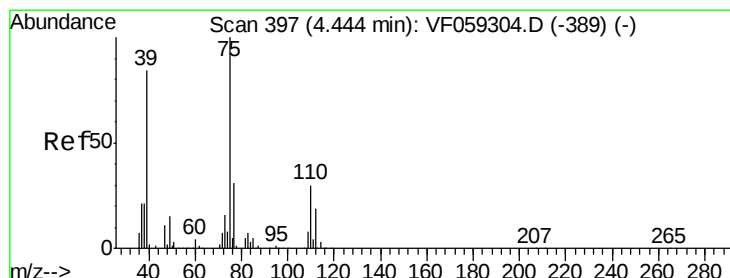
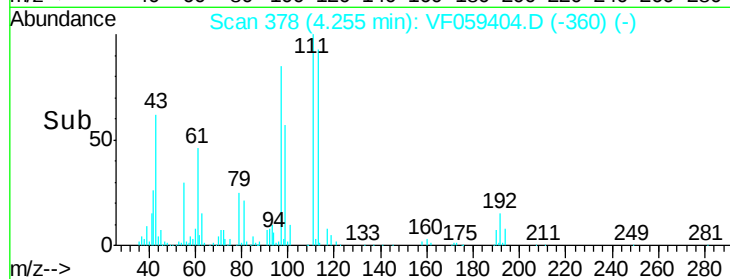
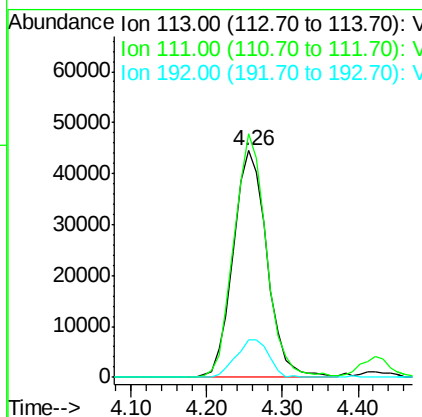
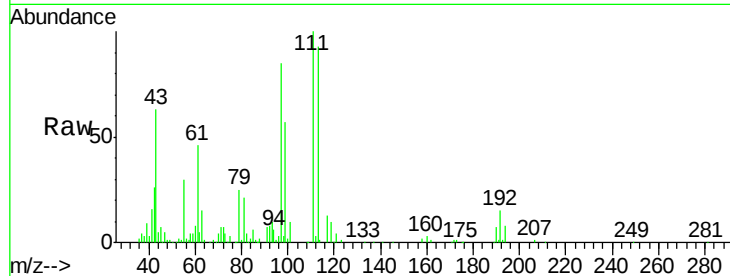
#35
 Dibromofluoromethane
 Concen: 47.158 ug/l
 RT: 4.26 min Scan# 378
 Delta R.T. -0.02 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	107.3	82.1	123.1
192	16.4	13.0	19.6

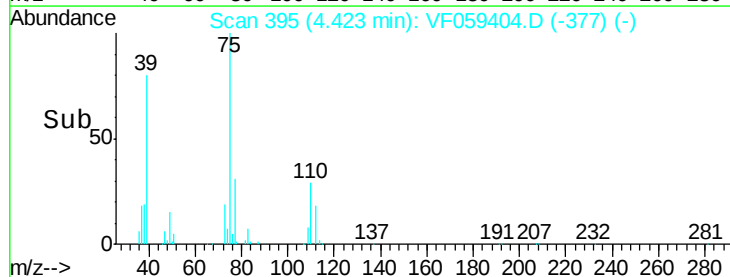
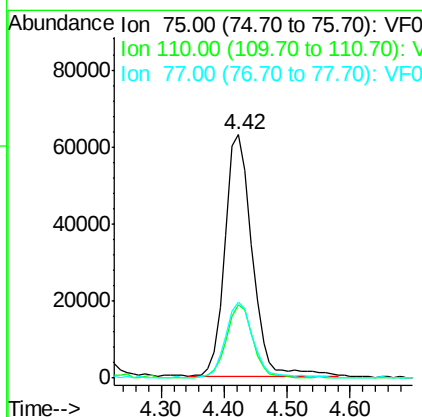
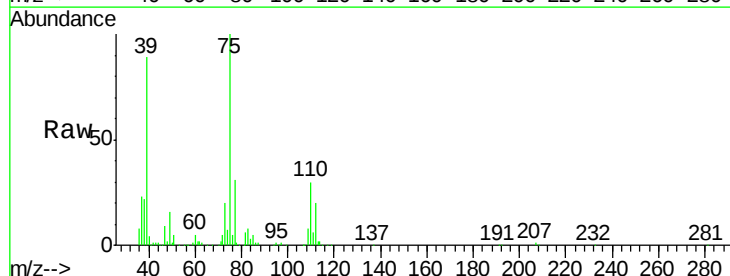
Manual Integrations
 APPROVED

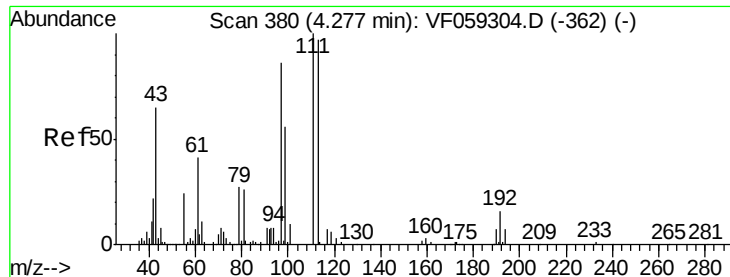
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#36
 1,1-Dichloropropene
 Concen: 54.072 ug/l
 RT: 4.42 min Scan# 395
 Delta R.T. -0.02 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.9	14.8	44.4
77	31.2	25.2	37.8





#37

Ethyl Acetate

Concen: 55.057 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

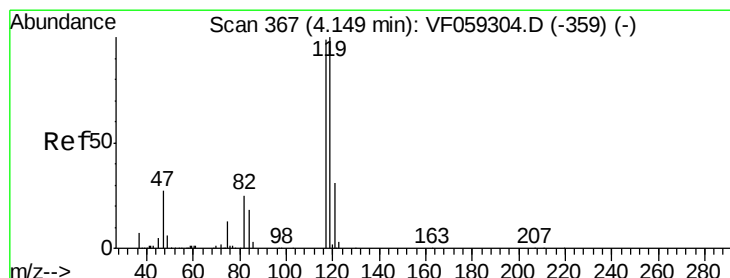
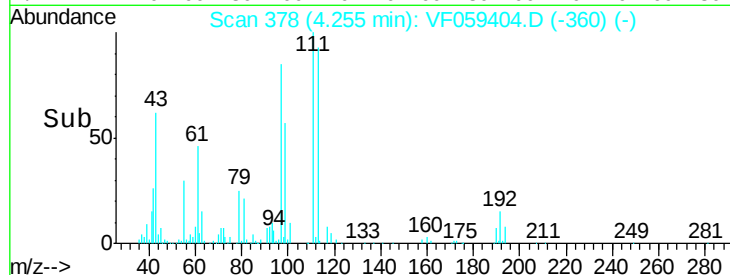
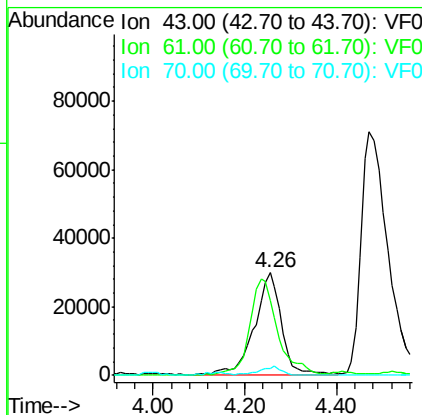
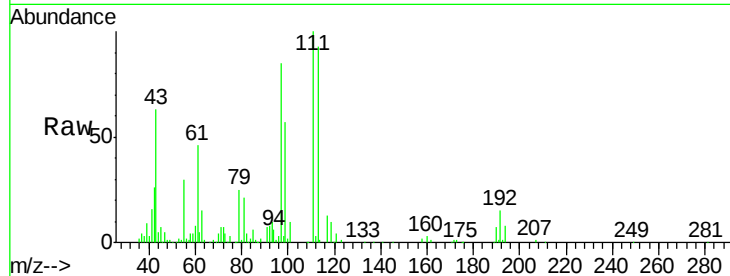
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	122515
Ion	Ratio	Lower	Upper
43	100		
61	73.1	50.1	75.1
70	7.0	6.2	9.4

Manual Integrations
APPROVED

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#38

Carbon Tetrachloride

Concen: 54.454 ug/l m

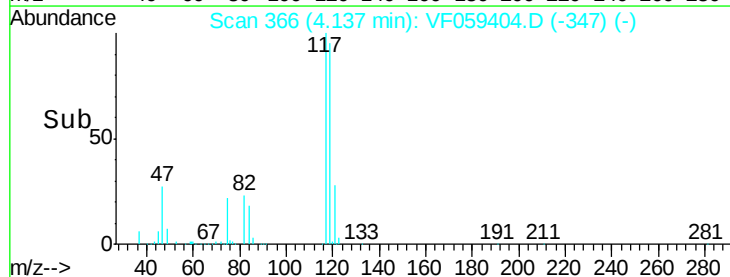
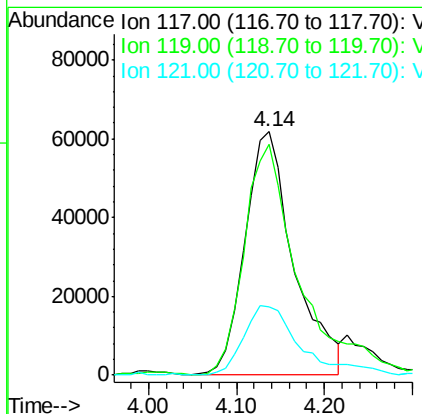
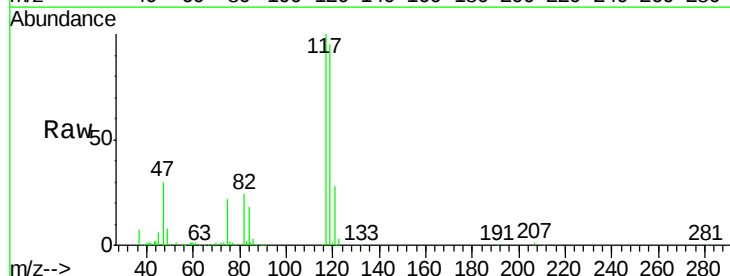
RT: 4.14 min Scan# 366

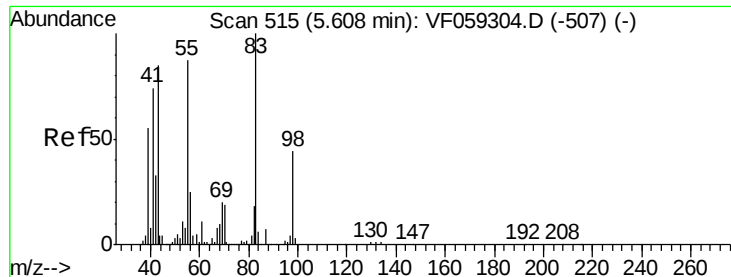
Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion:	117	Resp:	239703
Ion	Ratio	Lower	Upper
117	100		
119	94.6	81.0	121.4
121	27.9	24.7	37.1





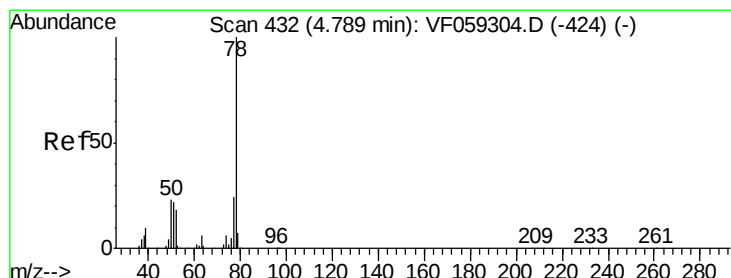
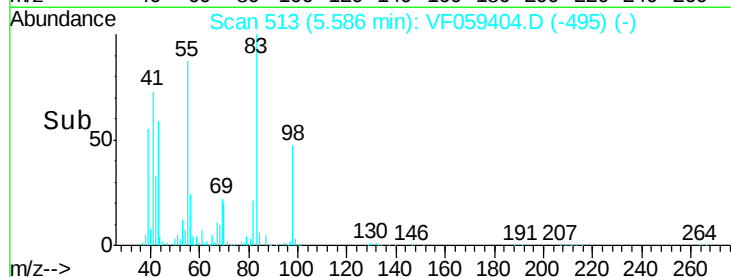
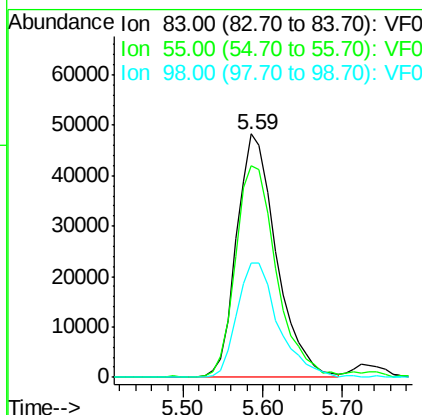
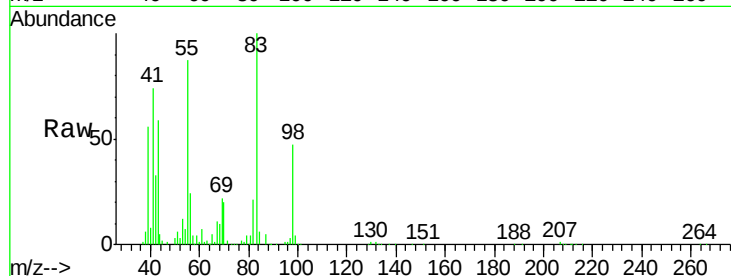
#39
Methvlcvclohexane
Concen: 54.150 ug/l
RT: 5.59 min Scan# 513
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	69.2	103.8
98	46.9	35.0	52.6

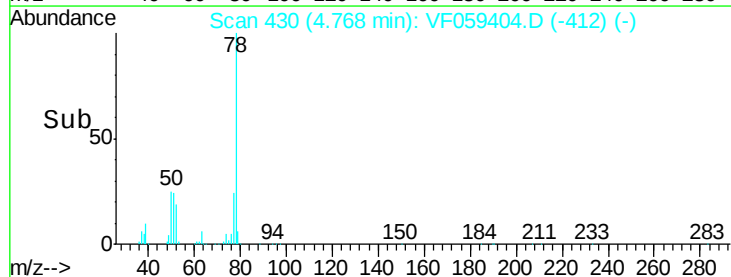
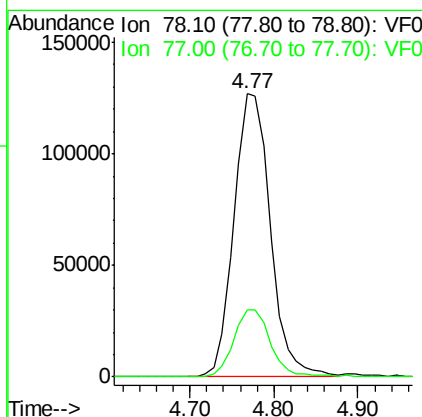
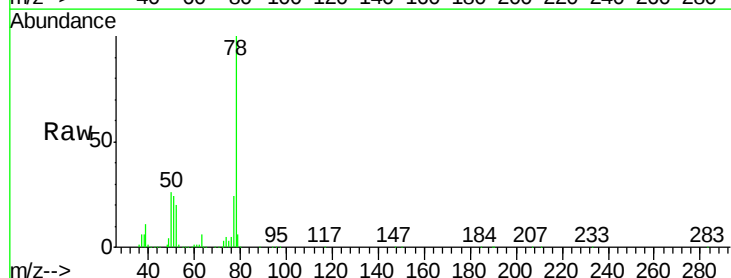
Manual Integrations
APPROVED

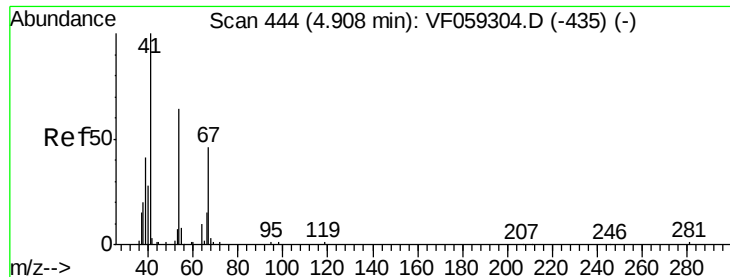
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#40
Benzene
Concen: 49.637 ug/l
RT: 4.77 min Scan# 430
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.6	29.4





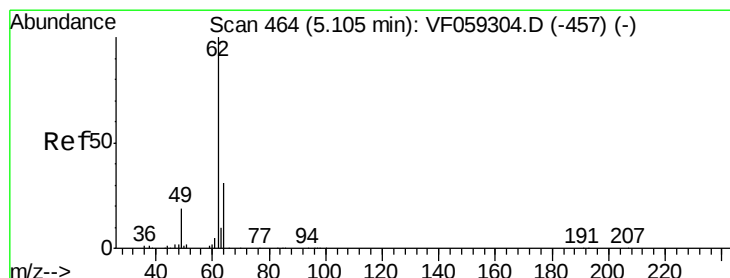
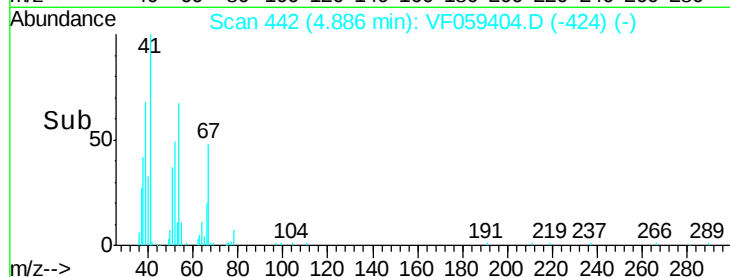
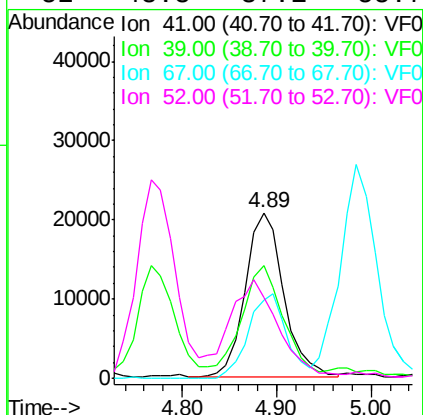
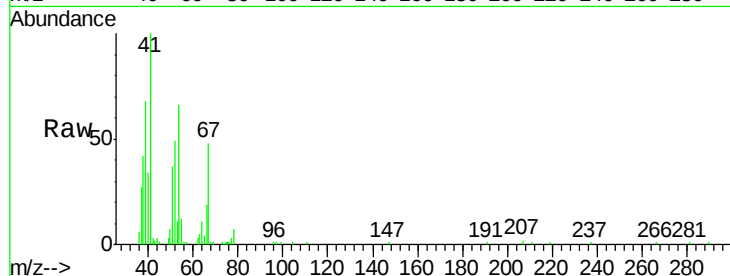
#41
Methacrylonitrile
Concen: 48.857 ug/l
RT: 4.89 min Scan# 442
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	58132
Ion Ratio	Lower	Upper	
41	100		
39	68.3	50.0	75.0
67	47.7	37.0	55.6
52	48.8	37.1	55.7

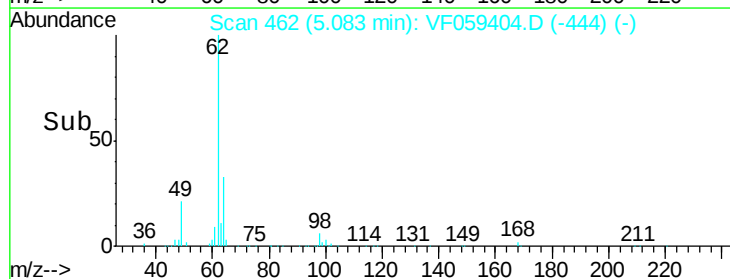
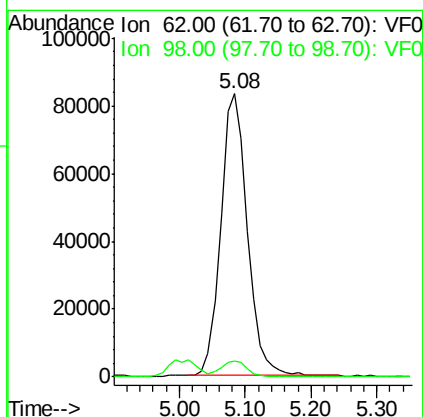
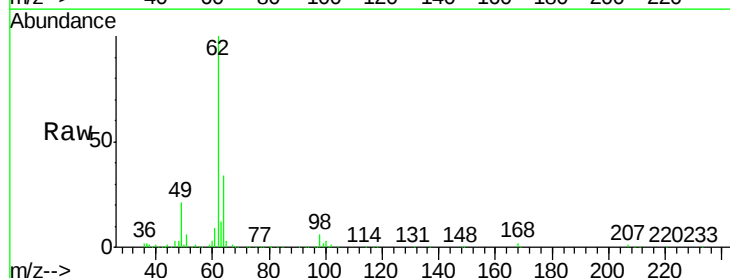
Manual Integrations
APPROVED

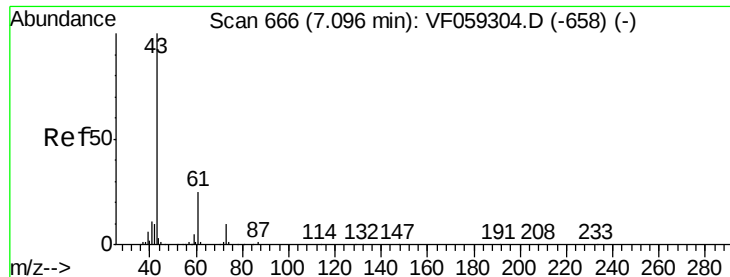
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#42
1,2-Dichloroethane
Concen: 51.609 ug/l
RT: 5.08 min Scan# 462
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	62	Resp	233231
Ion Ratio	Lower	Upper	
62	100		
98	5.7	0.0	11.4





#43

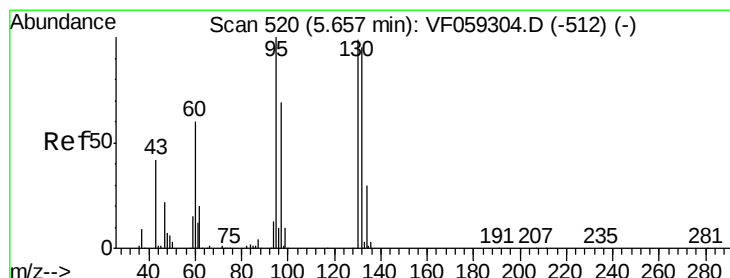
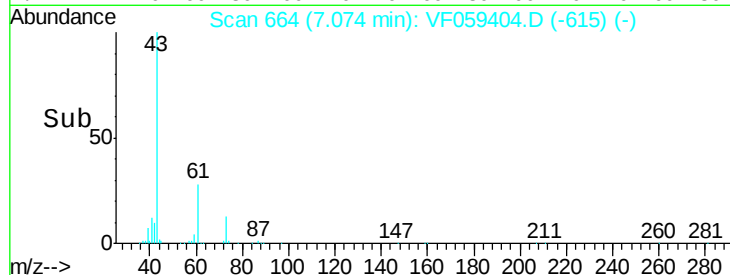
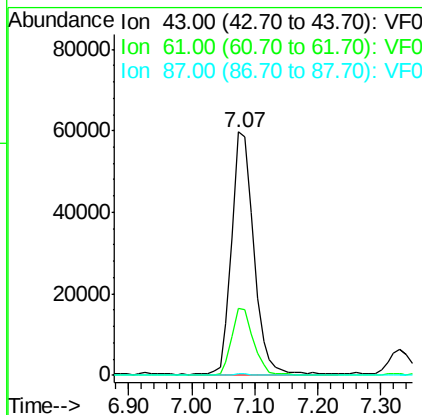
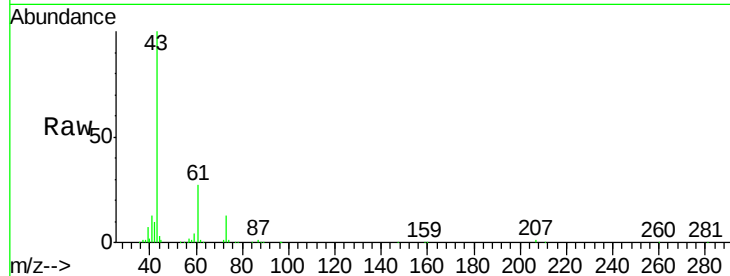
Isopropyl Acetate
 Concen: 49.677 ug/l
 RT: 7.07 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	19.7	29.5
87	0.5	0.5	0.7

Manual Integrations
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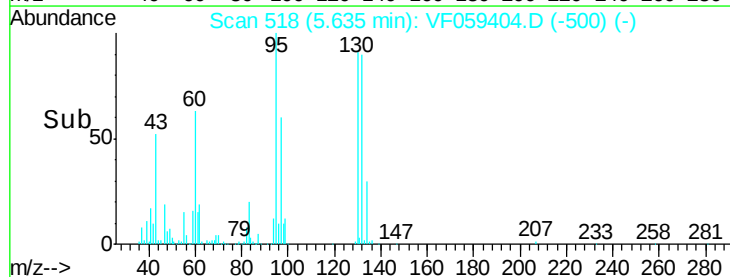
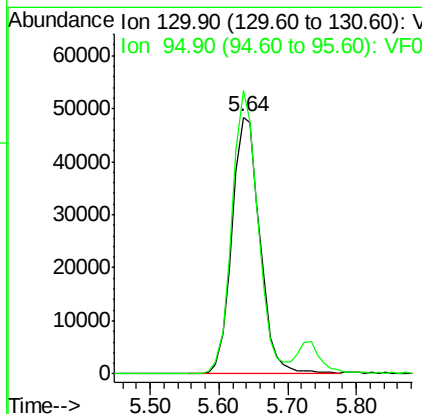
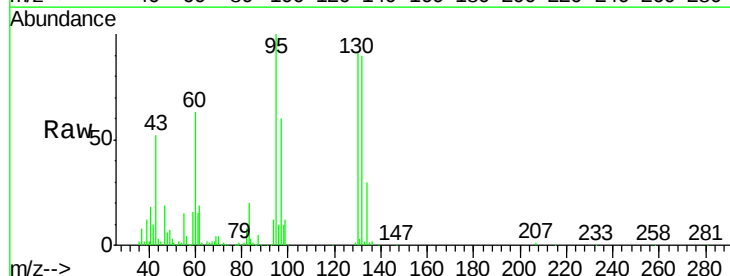
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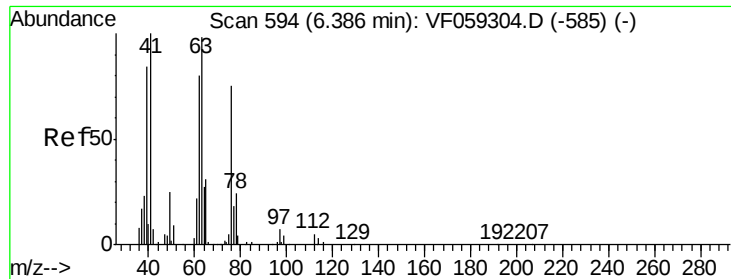


#44

Trichloroethene
 Concen: 51.313 ug/l
 RT: 5.64 min Scan# 518
 Delta R.T. -0.02 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.3	0.0	202.4





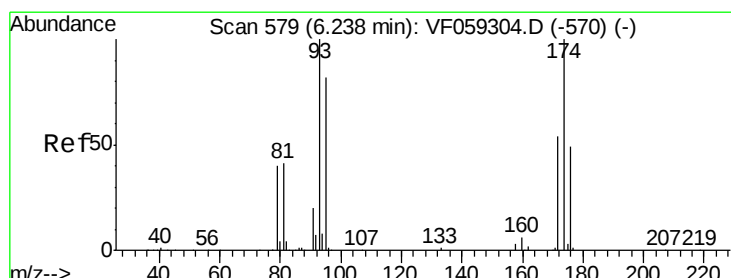
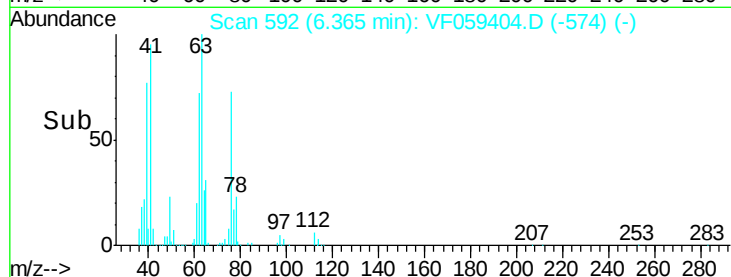
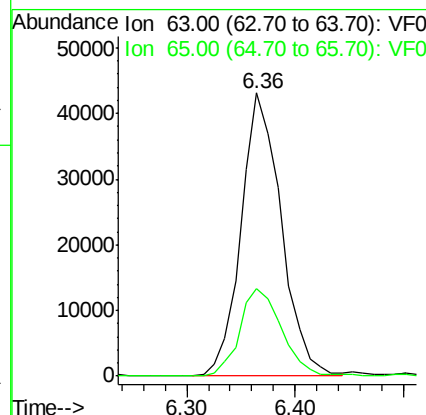
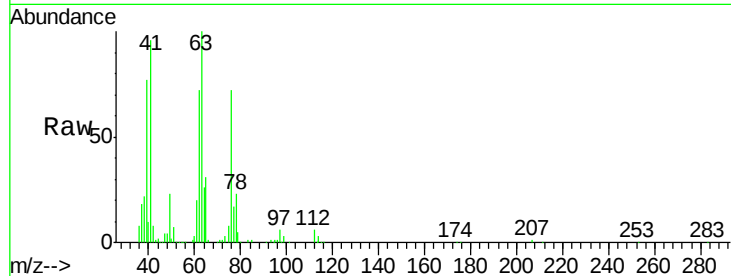
#45
 1,2-Dichloropropane
 Concen: 50.411 ug/l
 RT: 6.36 min Scan# 592
 Delta R.T. -0.02 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 111390
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.3 37.9

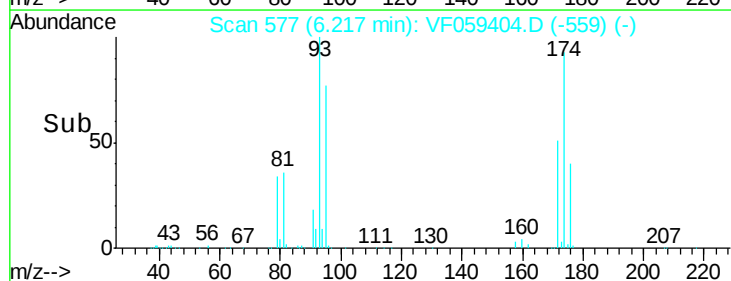
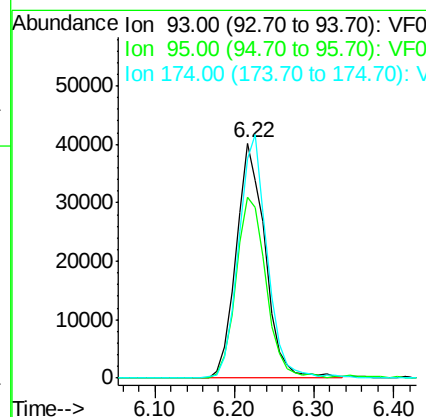
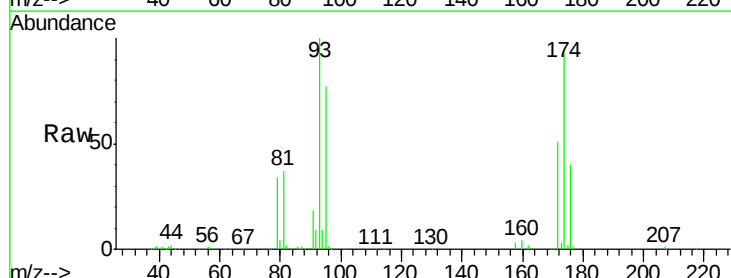
Manual Integrations
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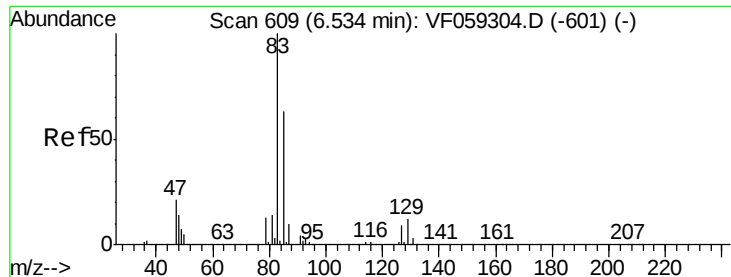
apatel
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#46
 Dibromomethane
 Concen: 53.176 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. -0.02 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Tgt Ion: 93 Resp: 101982
 Ion Ratio Lower Upper
 93 100
 95 77.2 65.6 98.4
 174 93.2 80.0 120.0





#47

Bromodichloromethane

Concen: 54.810 ug/l

RT: 6.51 min Scan# 607

Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

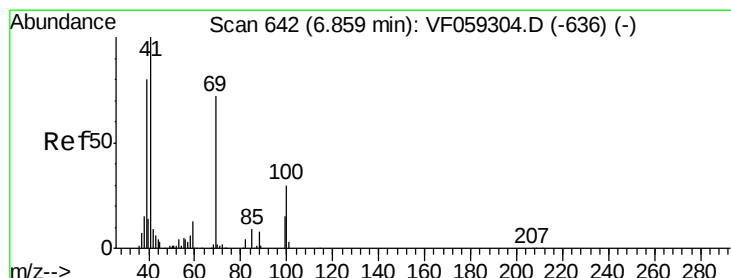
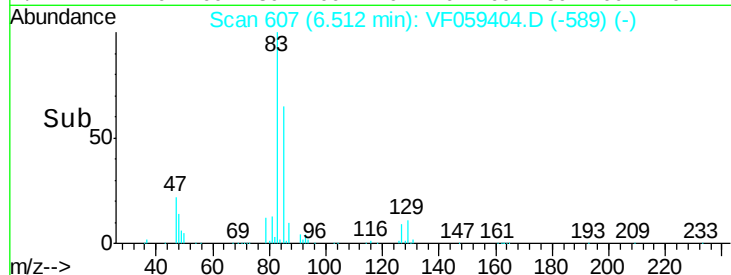
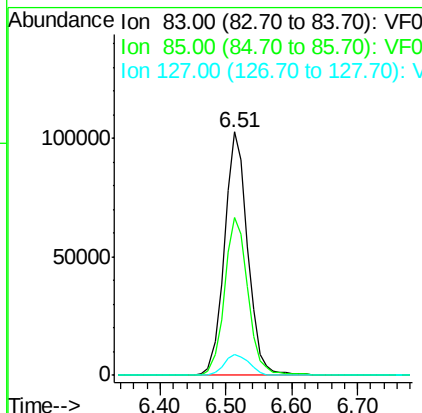
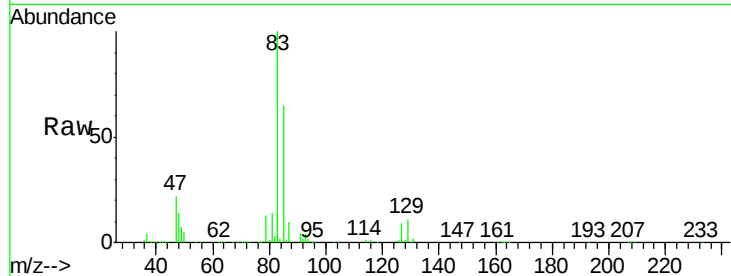
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	254453
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.2
127	8.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.495 ug/l

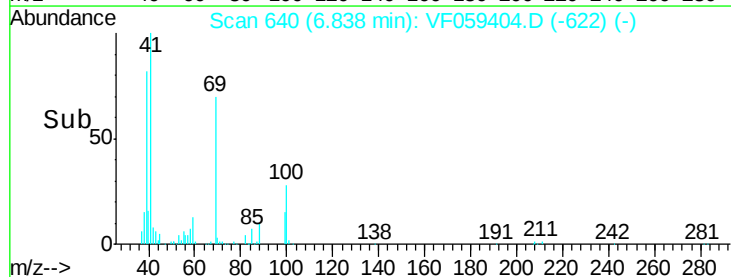
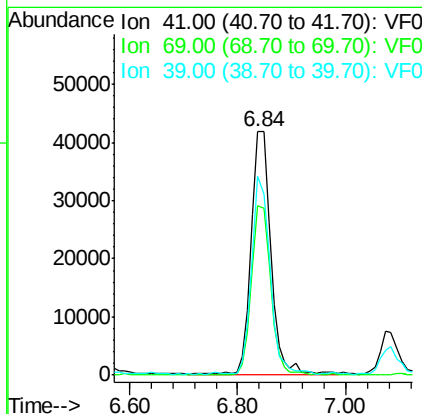
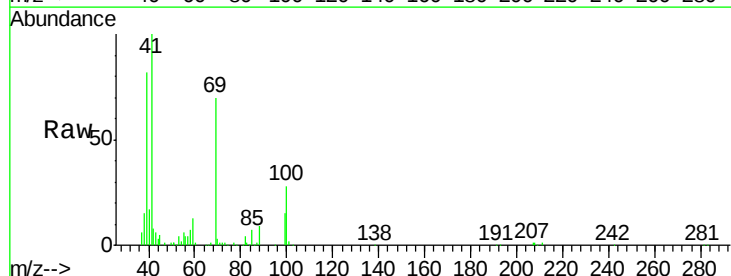
RT: 6.84 min Scan# 640

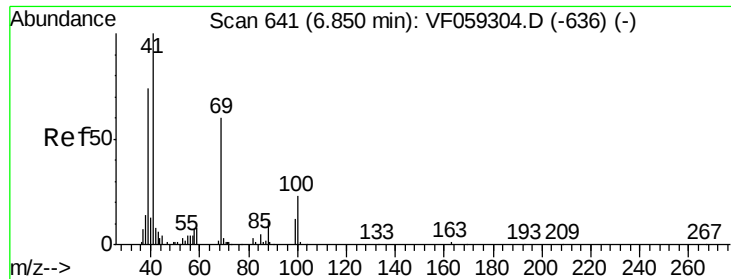
Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion:	41	Resp:	104168
Ion	Ratio	Lower	Upper
41	100		
69	69.6	57.3	85.9
39	81.8	64.4	96.6





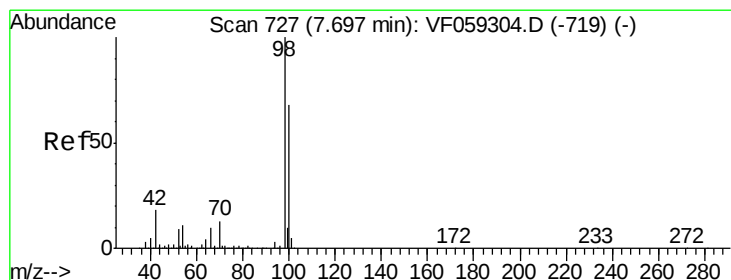
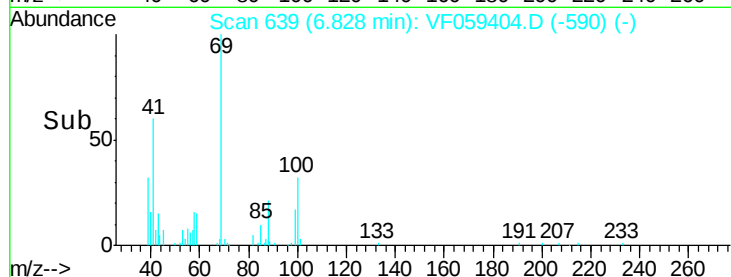
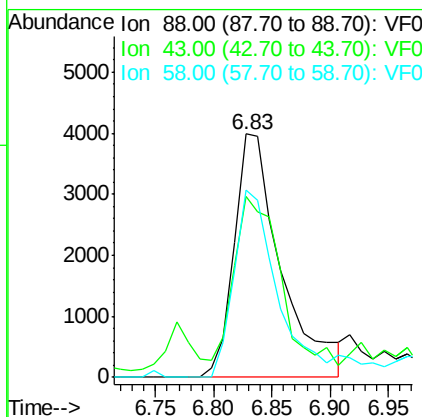
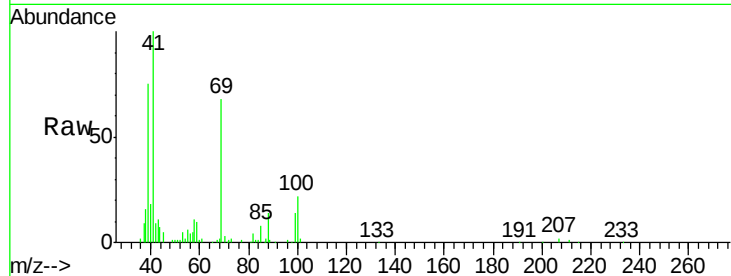
#49
1,4-Dioxane
Concen: 1082.051 ug/l
RT: 6.83 min Scan# 639
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	74.4	50.6	75.8
58	76.7	46.6	69.8

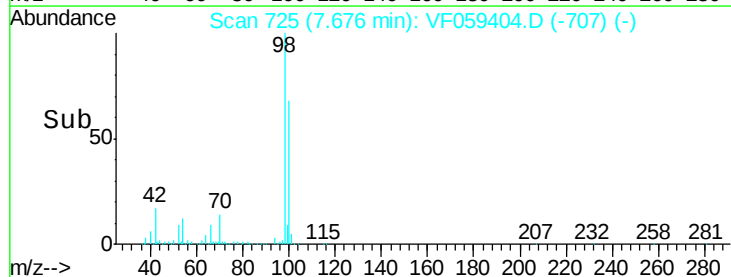
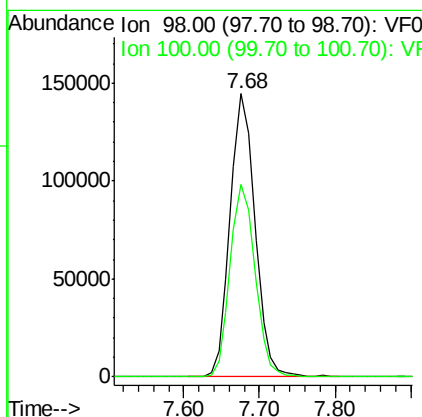
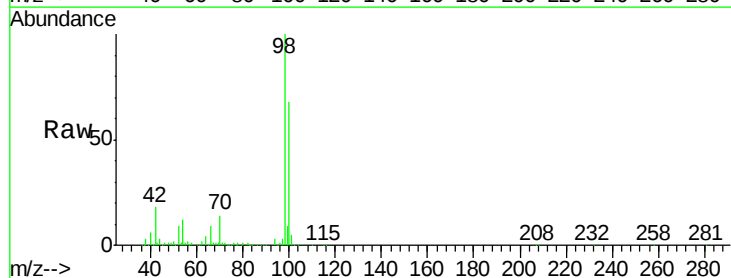
Manual Integrations
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#50
Toluene-d8
Concen: 45.852 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.9	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 249.400 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 536827

Ion Ratio Lower Upper

43 100

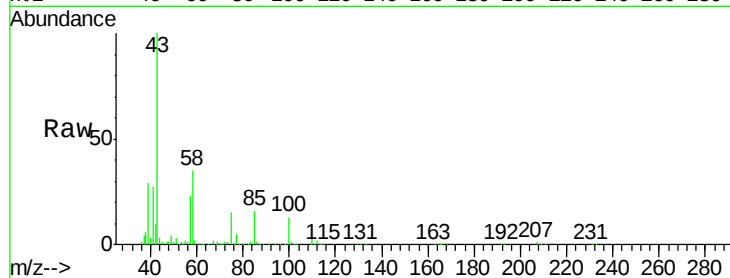
58 34.7 28.4 42.6

Manual Integrations

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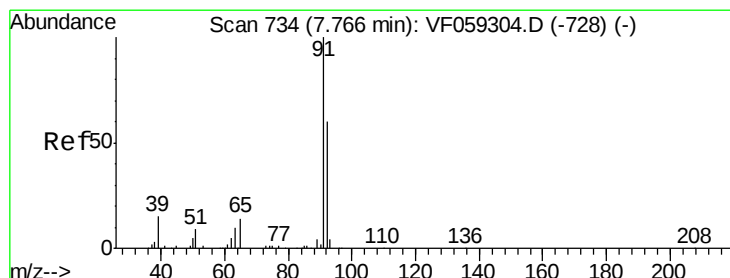
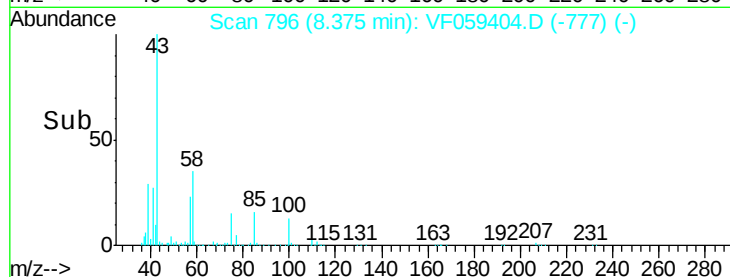
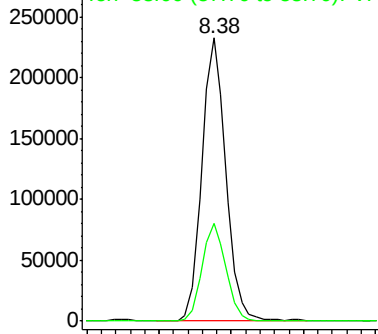
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.866 ug/l

RT: 7.74 min Scan# 732

Delta R.T. -0.02 min

Lab File: VF059404.D

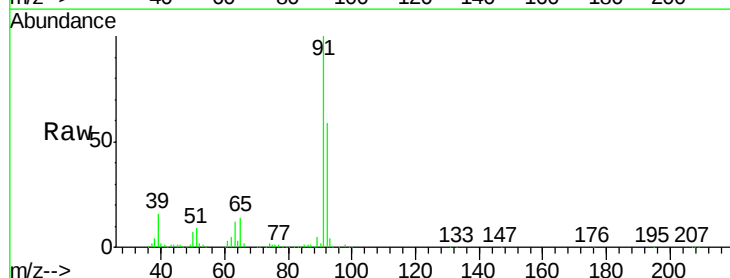
Acq: 3 Jul 2018 11:03

Tgt Ion: 92 Resp: 265427

Ion Ratio Lower Upper

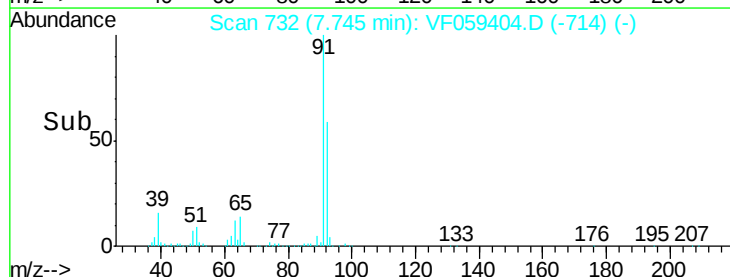
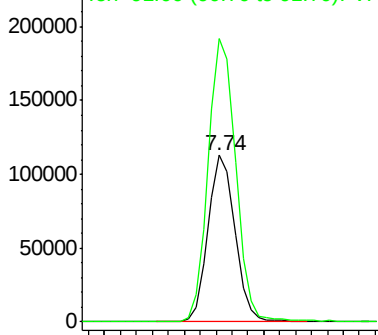
92 100

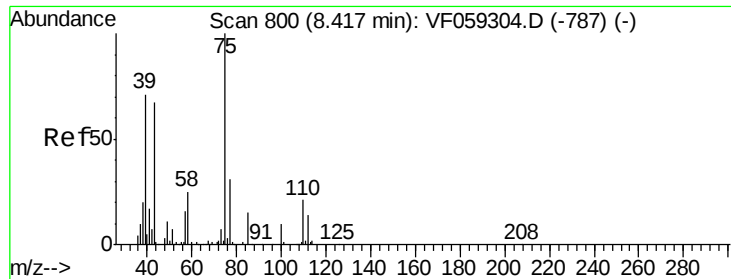
91 170.2 132.8 199.2



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: 53.137 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 224860

Ion Ratio Lower Upper

75 100

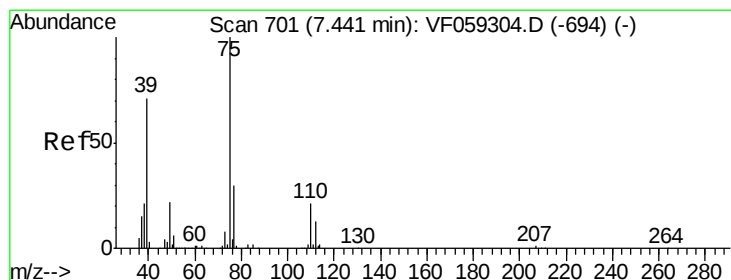
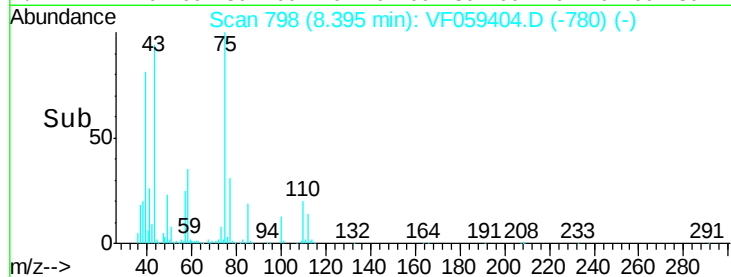
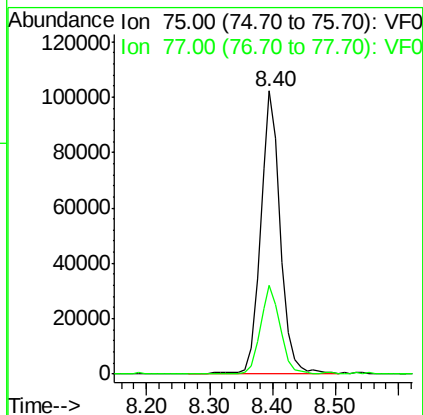
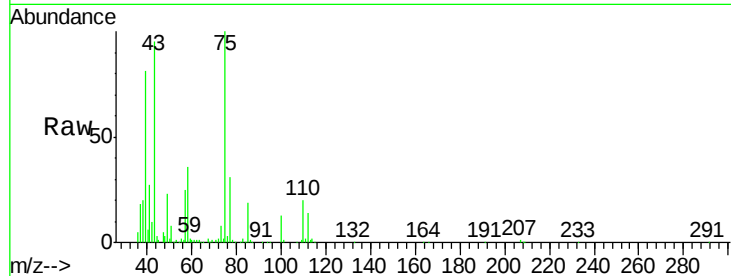
77 31.4 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 54.429 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

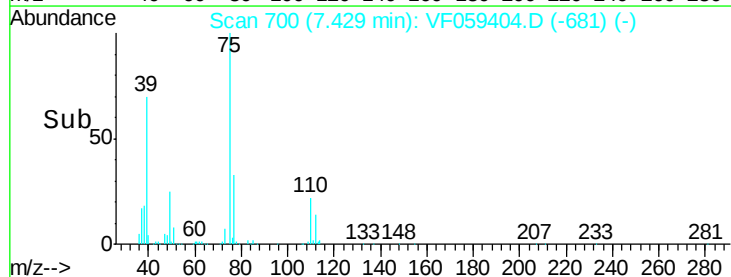
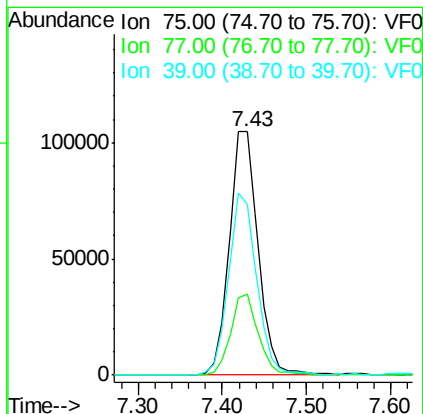
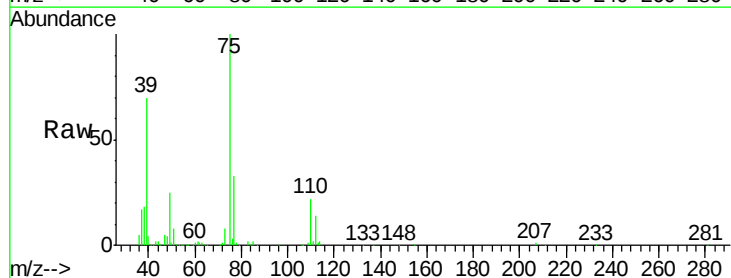
Tgt Ion: 75 Resp: 250181

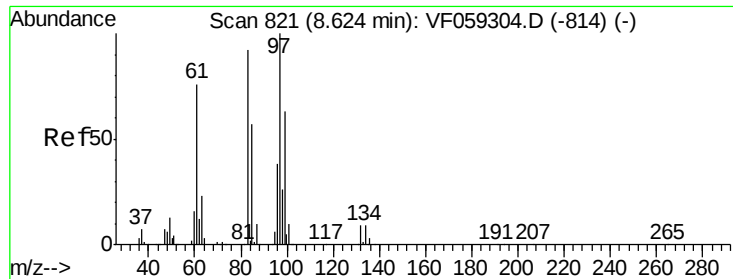
Ion Ratio Lower Upper

75 100

77 33.3 24.3 36.5

39 70.3 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 52.280 ug/l

RT: 8.60 min Scan# 819

Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

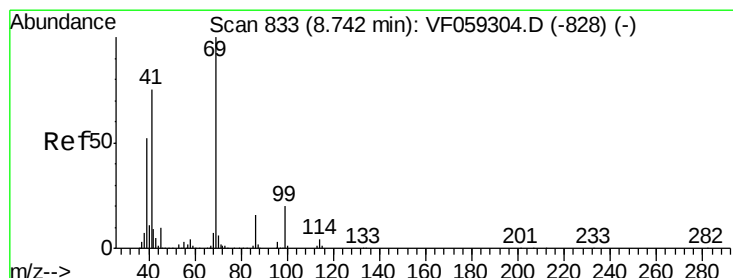
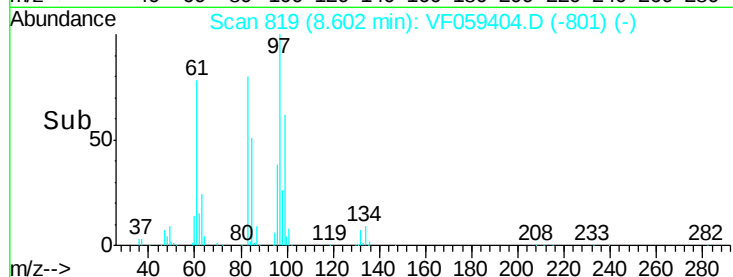
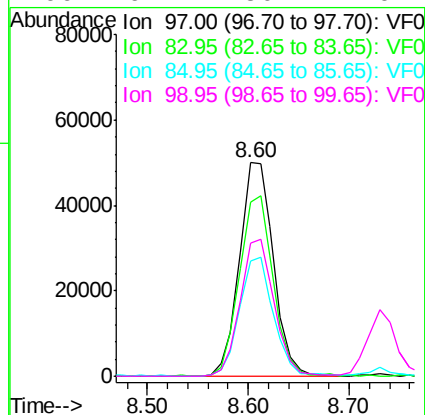
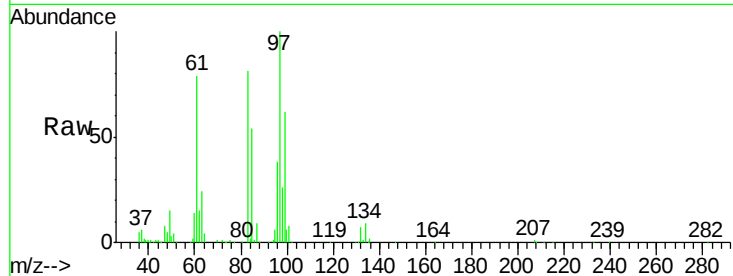
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	117469
Ion	Ratio	Lower	Upper
97	100		
83	81.2	73.8	110.8
85	54.0	45.5	68.3
99	62.1	50.7	76.1

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#56

Ethyl methacrylate

Concen: 52.773 ug/l

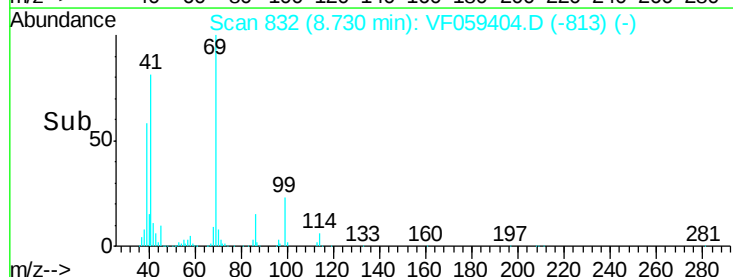
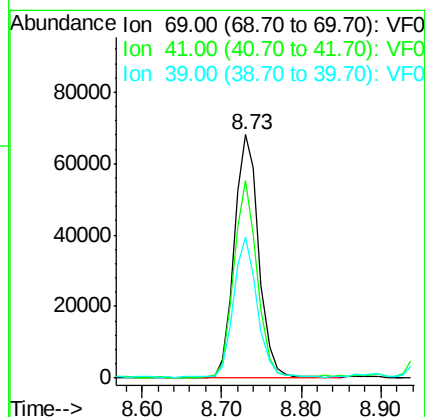
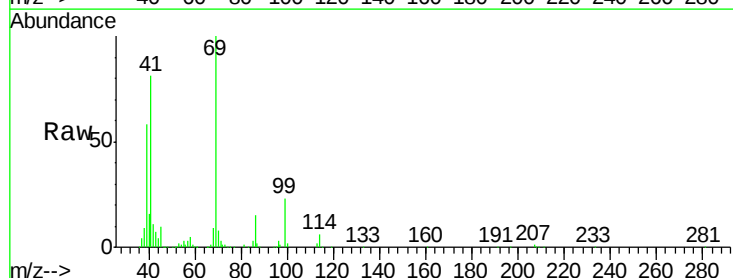
RT: 8.73 min Scan# 832

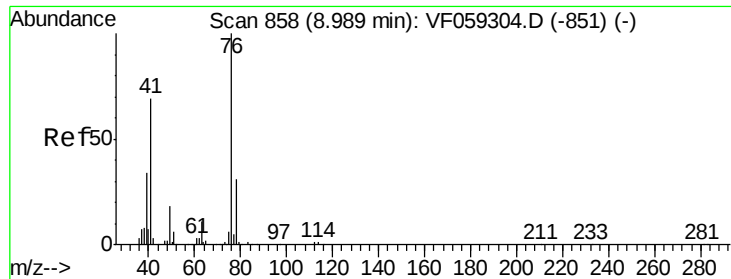
Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion:	69	Resp:	146888
Ion	Ratio	Lower	Upper
69	100		
41	81.4	60.3	90.5
39	58.2	42.2	63.4





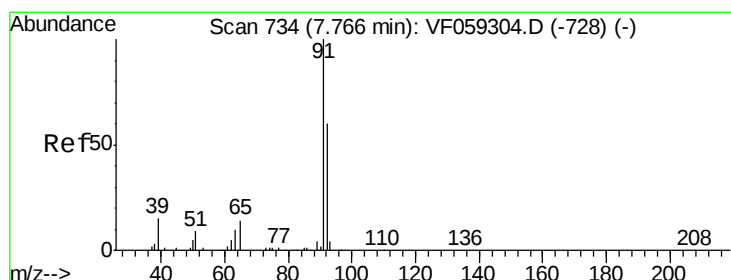
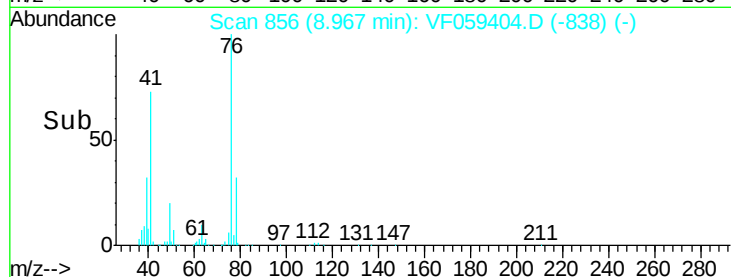
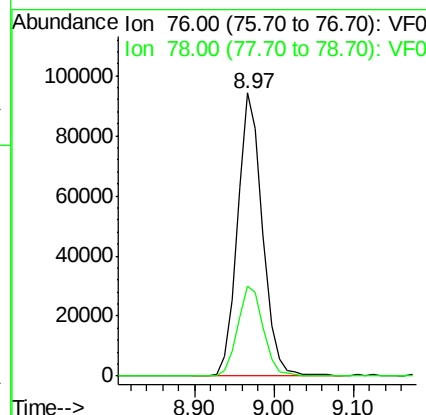
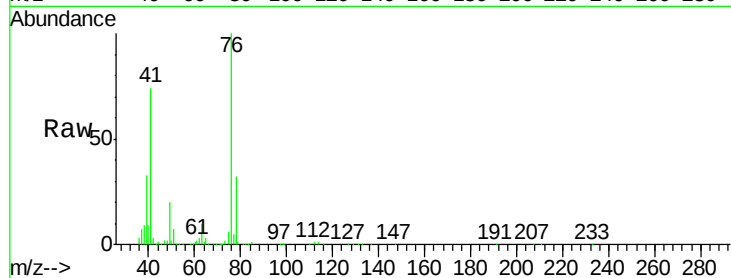
#57
 1,3-Dichloropropane
 Concen: 53.294 ug/l
 RT: 8.97 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	24.9	37.3

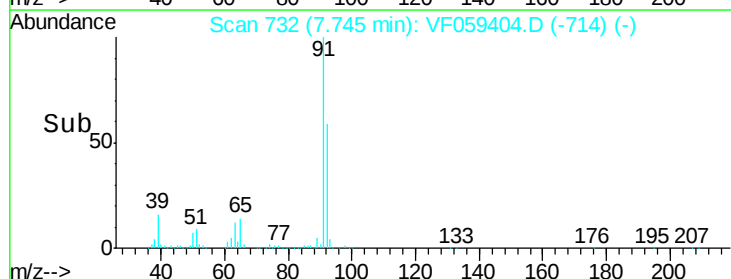
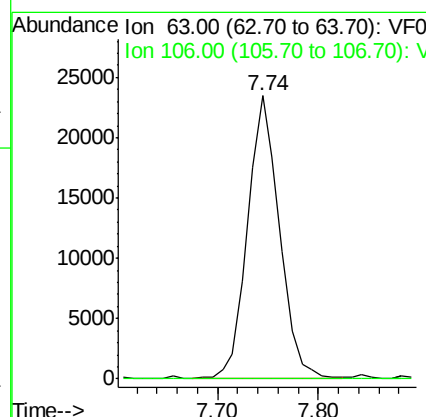
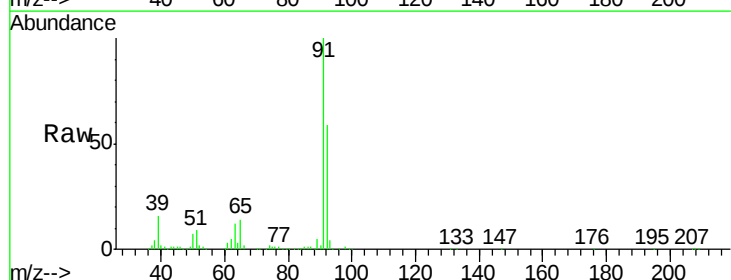
Manual Integrations
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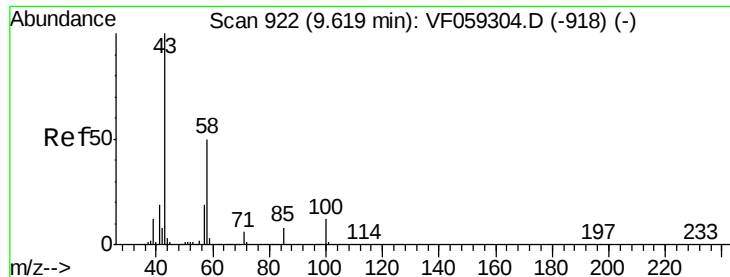
apatel
 7/5/2018 12:41:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.777 ug/l
 RT: 7.74 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





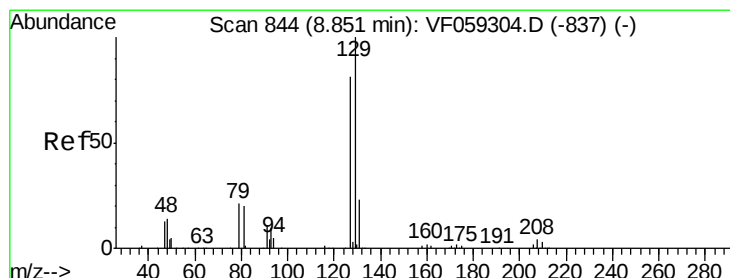
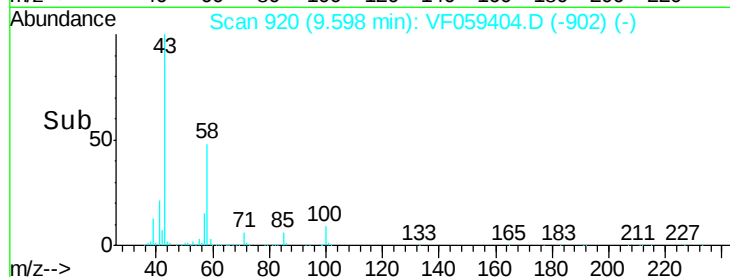
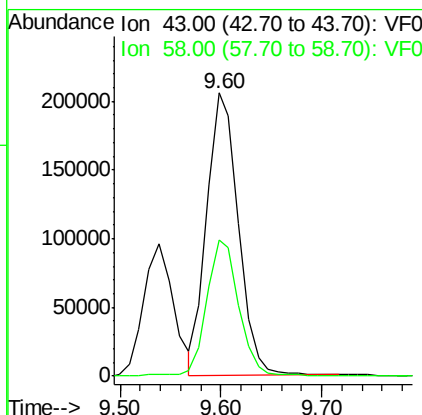
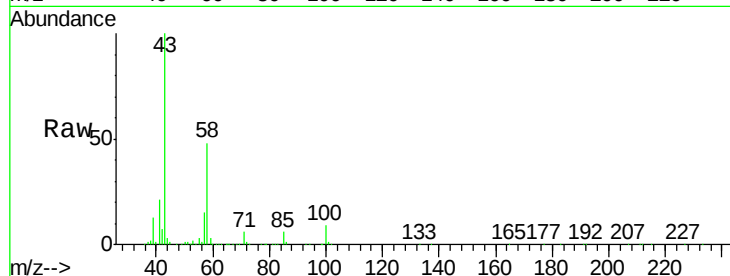
#59
2-Hexanone
Concen: 279.299 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 448443
Ion Ratio Lower Upper
43 100
58 48.3 23.3 69.9

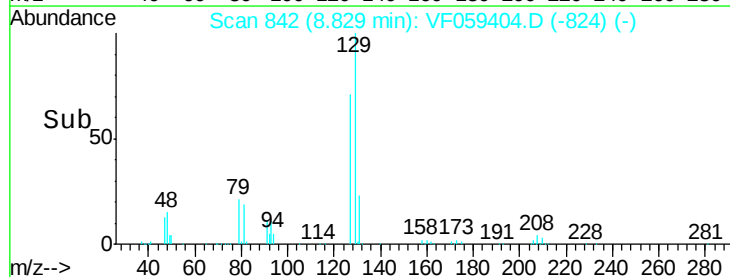
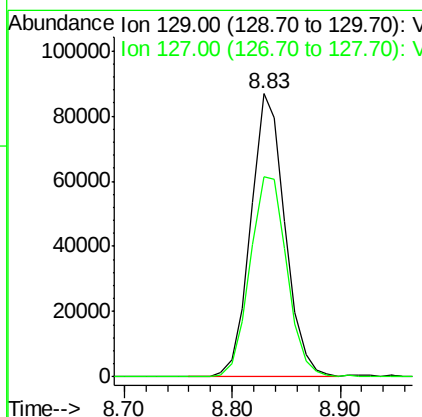
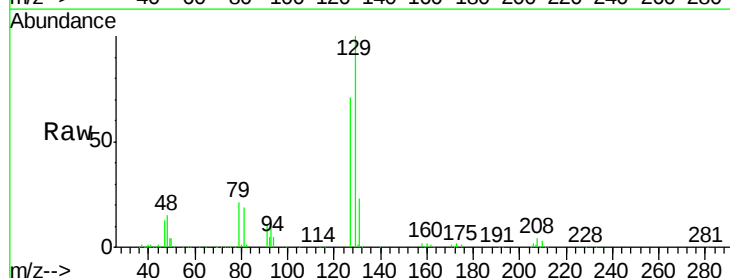
Manual Integrations
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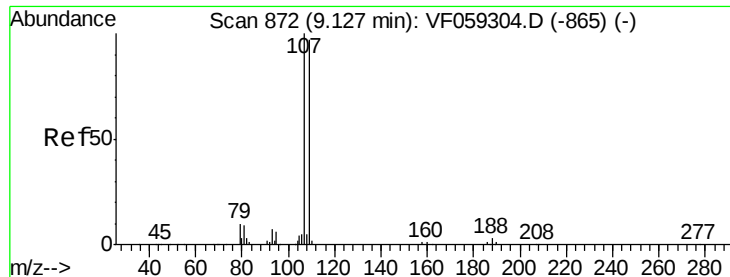
apatel
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#60
Dibromochloromethane
Concen: 55.301 ug/l
RT: 8.83 min Scan# 842
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion: 129 Resp: 191833
Ion Ratio Lower Upper
129 100
127 70.9 40.7 122.1





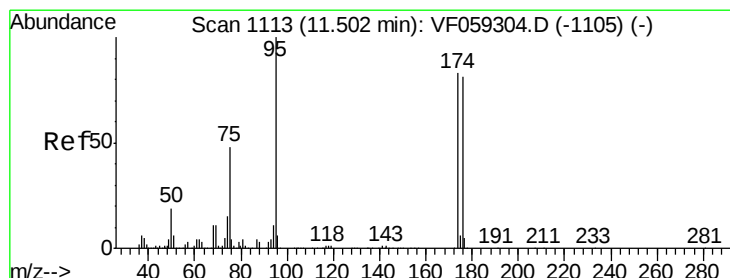
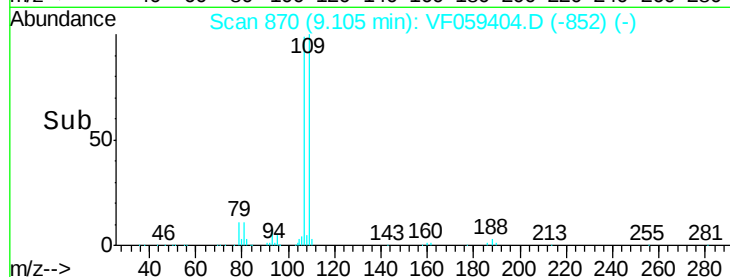
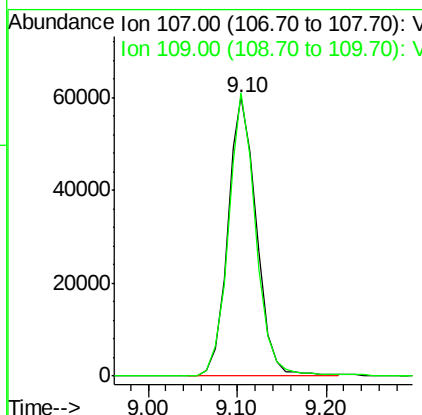
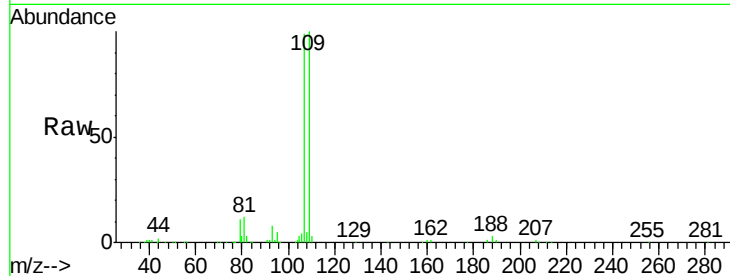
#61
 1,2-Dibromoethane
 Concen: 49.448 ug/l
 RT: 9.10 min Scan# 870
 Delta R.T. -0.02 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.5	77.3	115.9

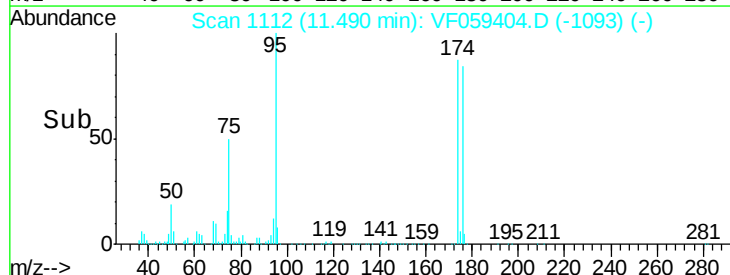
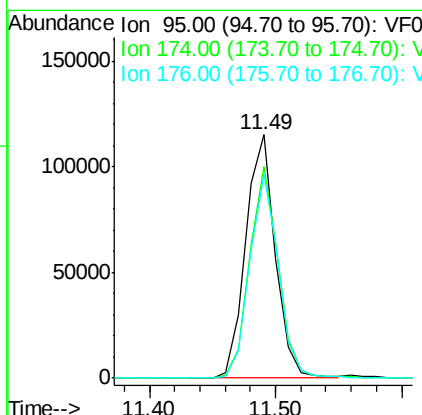
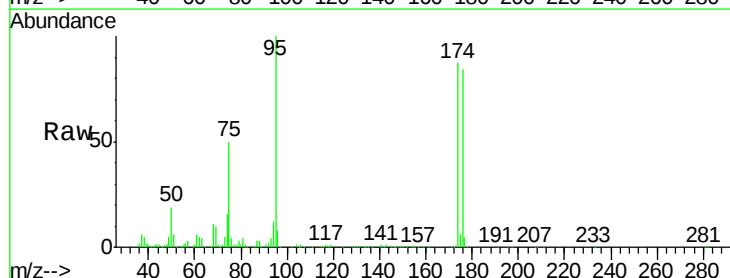
Manual Integrations
 APPROVED

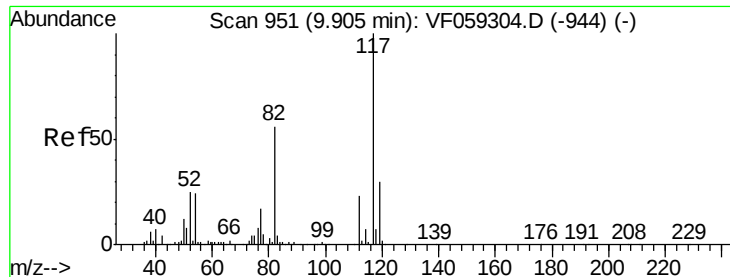
apatel
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#62
 4-Bromofluorobenzene
 Concen: 46.044 ug/l
 RT: 11.49 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	165.2
176	83.5	0.0	161.0





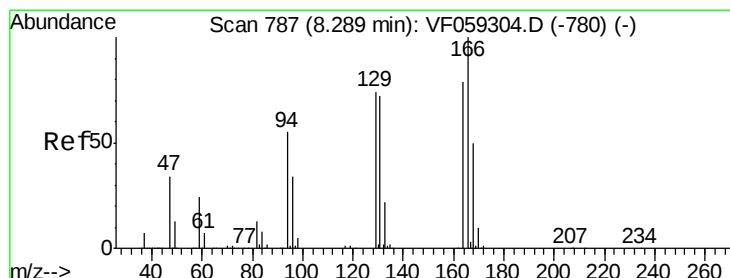
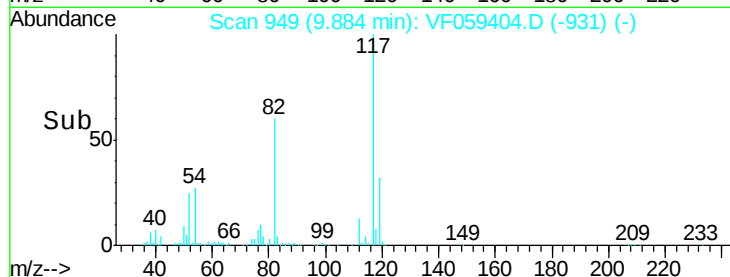
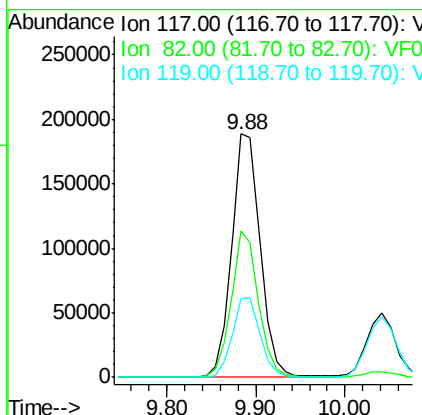
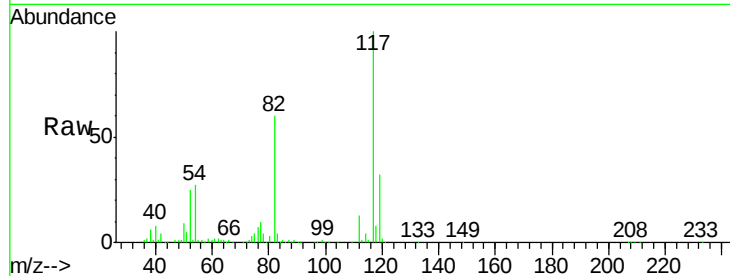
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	425527		
82	60.0		44.6	66.8
119	32.3		24.1	36.1

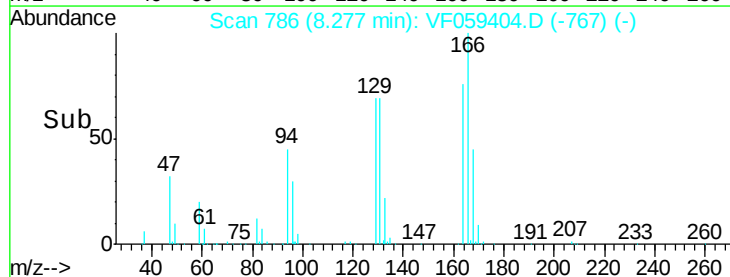
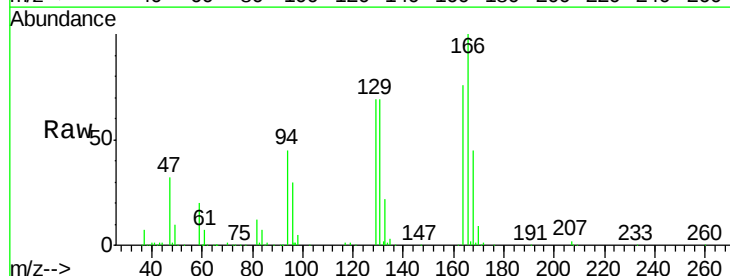
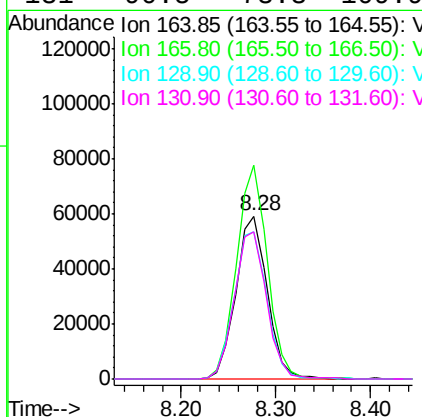
Manual Integrations
APPROVED

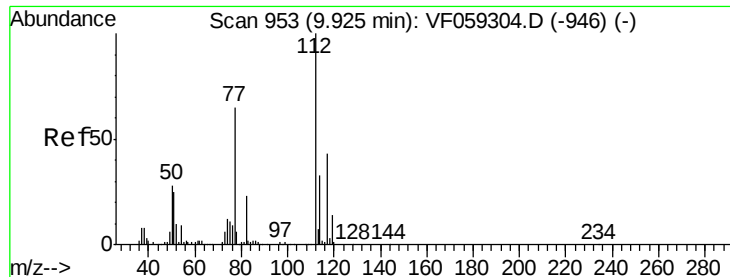
apatel
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#64
Tetrachloroethene
Concen: 49.224 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	135853		
166	131.1		101.1	151.7
129	90.6		75.0	112.4
131	90.5		73.3	109.9





#65

Chlorobenzene

Concen: 49.882 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 393324

Ion Ratio Lower Upper

112 100

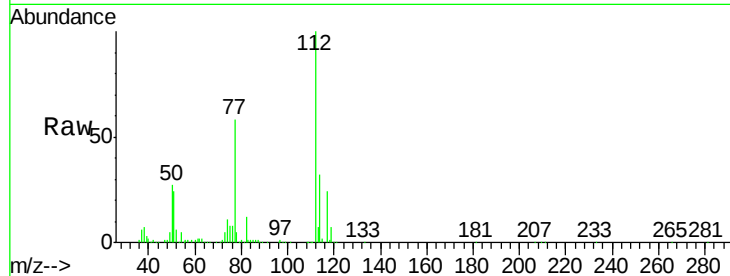
114 31.7 26.5 39.7

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.91

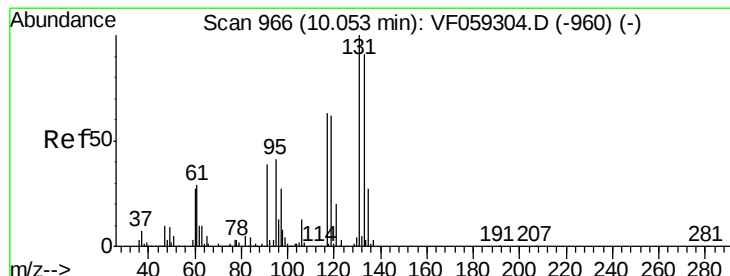
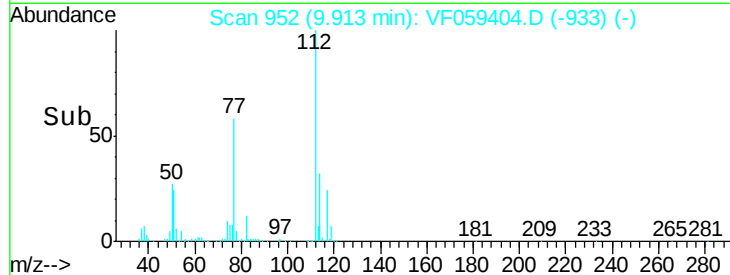
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.442 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

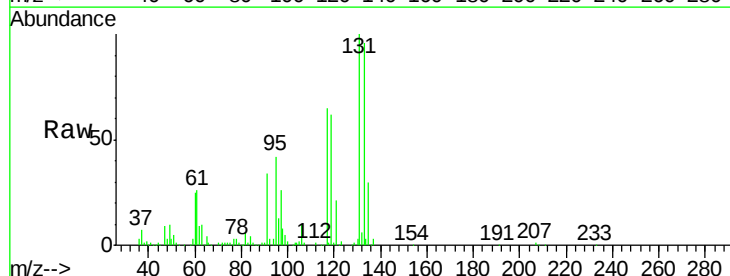
Tgt Ion:131 Resp: 165203

Ion Ratio Lower Upper

131 100

133 96.4 45.3 135.9

119 62.3 31.3 93.9



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.04

80000

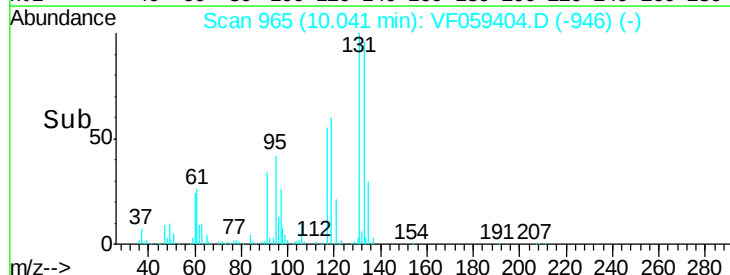
60000

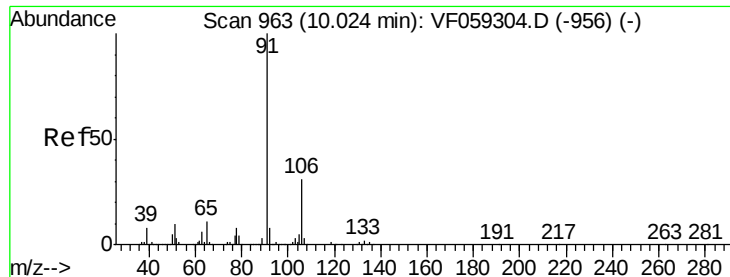
40000

20000

0

Time-->





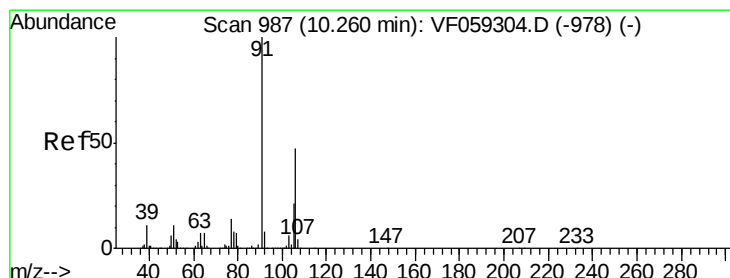
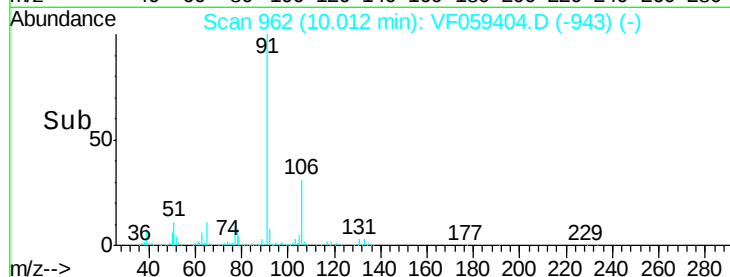
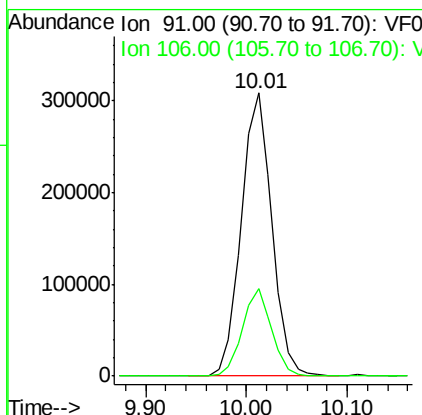
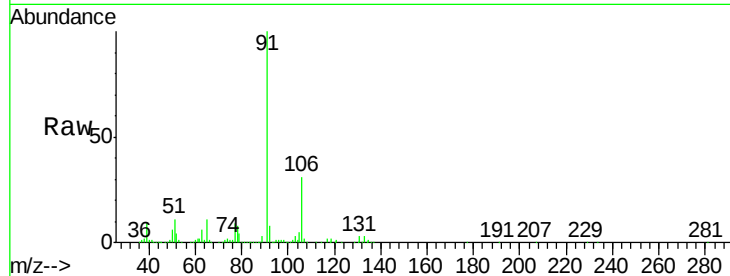
#67
Ethyl Benzene
Concen: 48.666 ug/l
RT: 10.01 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 650977
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2

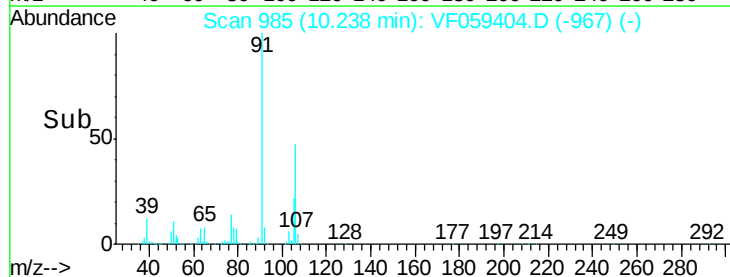
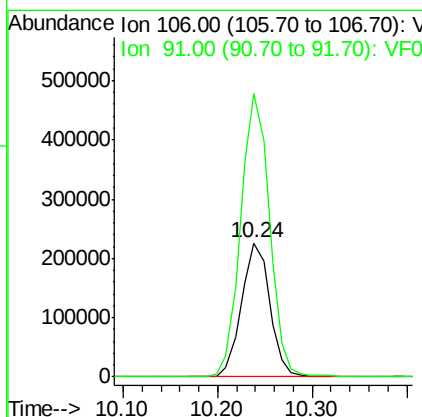
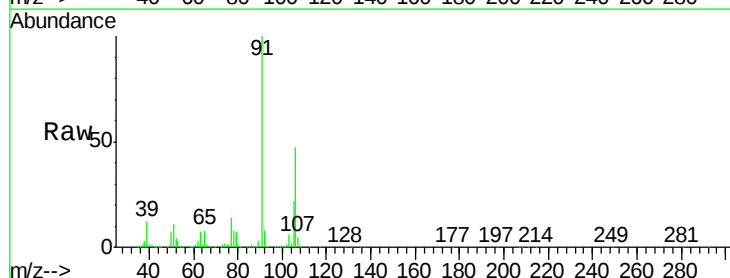
Manual Integrations
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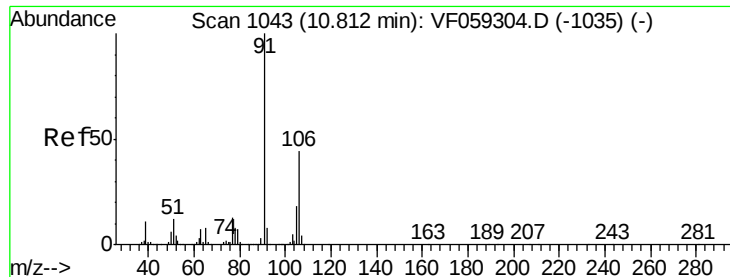
apatel
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#68
m/p-Xylenes
Concen: 98.104 ug/l
RT: 10.24 min Scan# 985
Delta R.T. -0.02 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion: 106 Resp: 467081
Ion Ratio Lower Upper
106 100
91 211.5 170.8 256.2





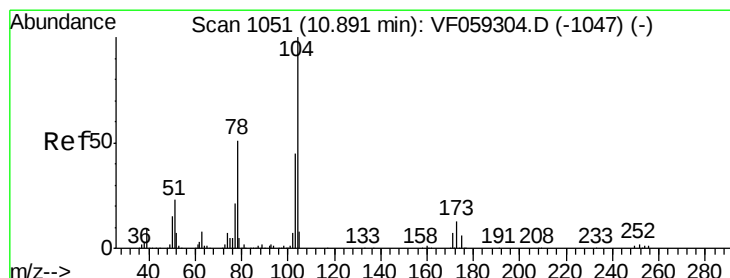
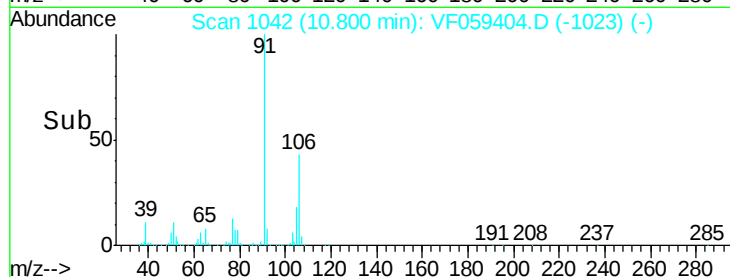
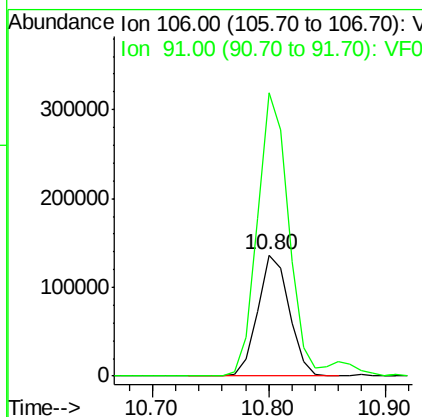
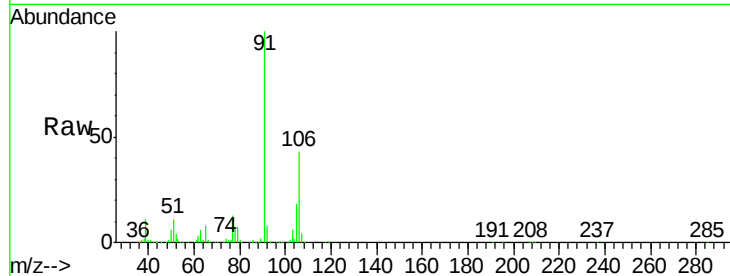
#69
o-Xylene
Concen: 48.194 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	233.4	114.6	343.6

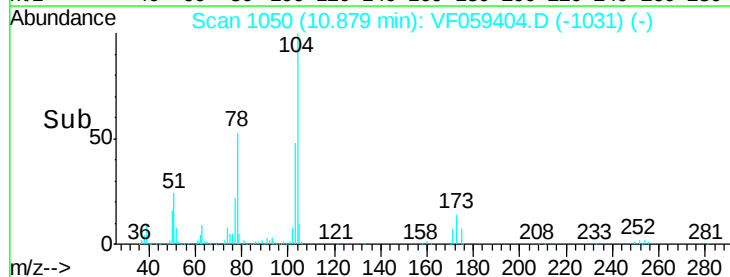
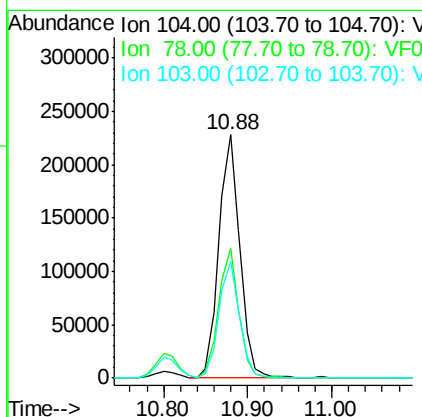
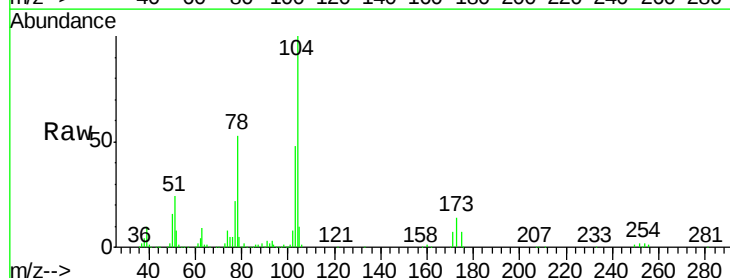
Manual Integrations
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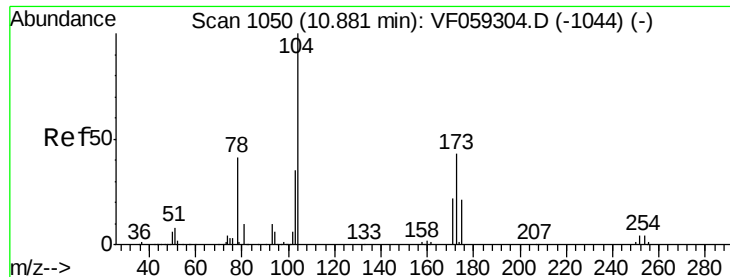
apatel
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#70
Styrene
Concen: 48.723 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.0	40.9	61.3
103	48.1	36.5	54.7





#71

Bromoform

Concen: 51.694 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

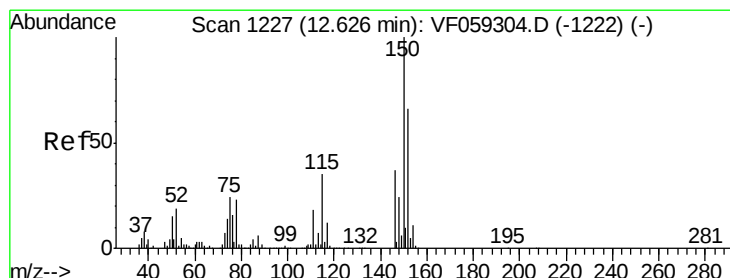
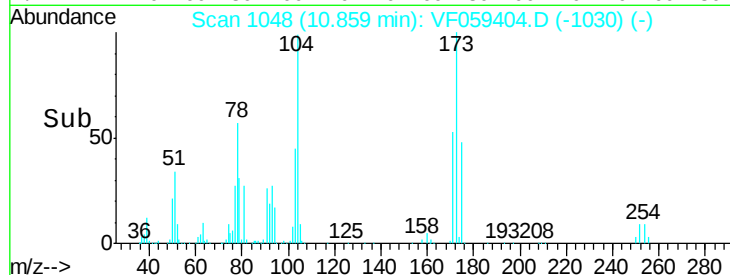
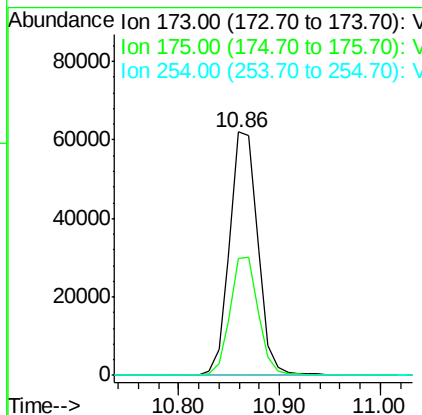
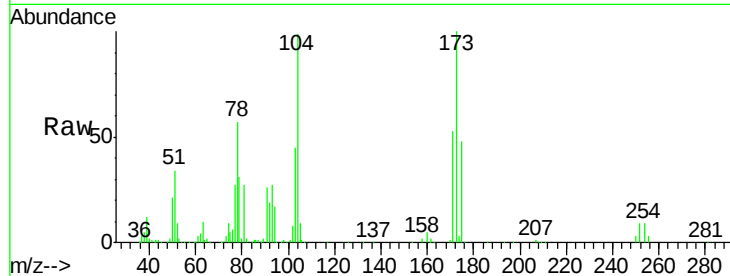
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

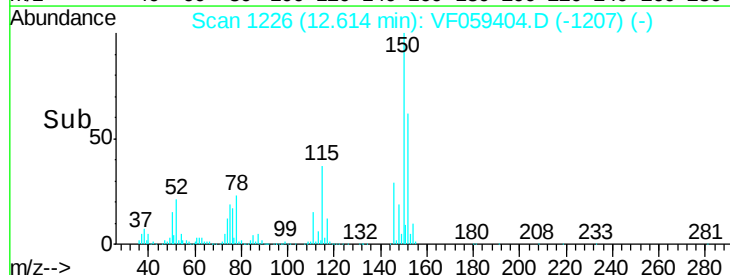
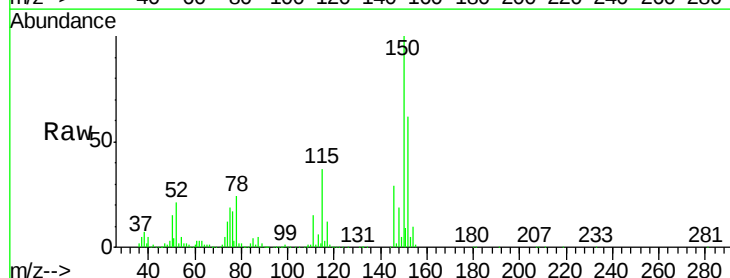
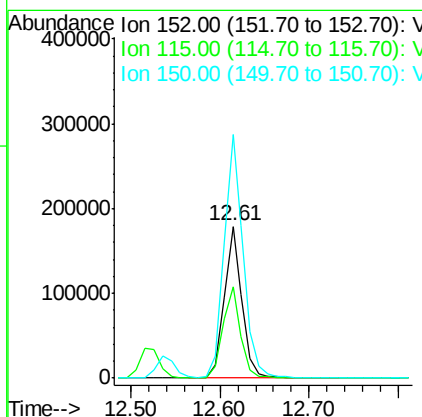
RT: 12.61 min Scan# 1226

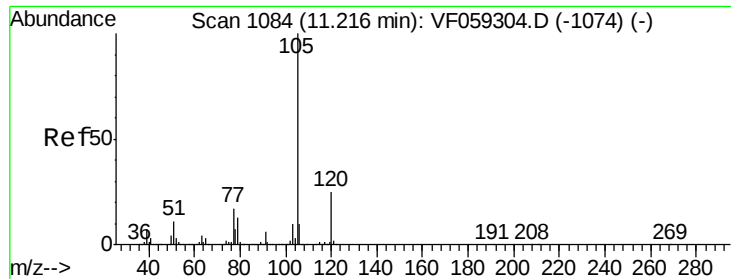
Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	27.1	81.3
150	160.7	0.0	305.2





#73

Isopropylbenzene

Concen: 51.988 ug/l

RT: 11.20 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 757388

Ion Ratio Lower Upper

105 100

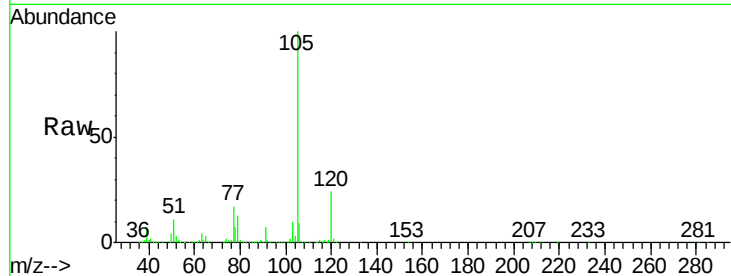
120 24.3 12.3 36.8

Manual Integrations

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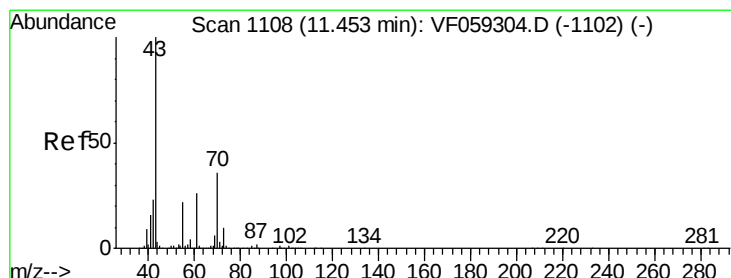
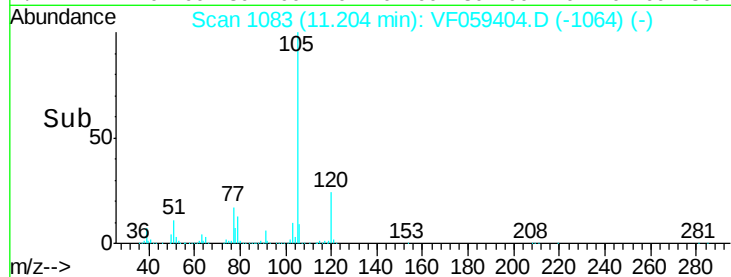
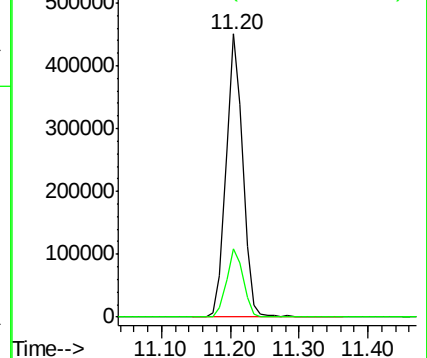
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.769 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion: 43 Resp: 263118

Ion Ratio Lower Upper

43 100

70 35.6 28.8 43.2

55 20.6 17.4 26.0

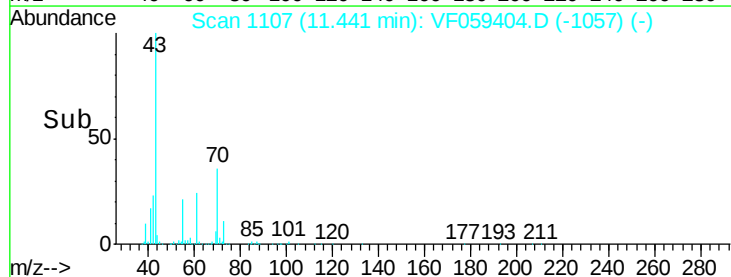
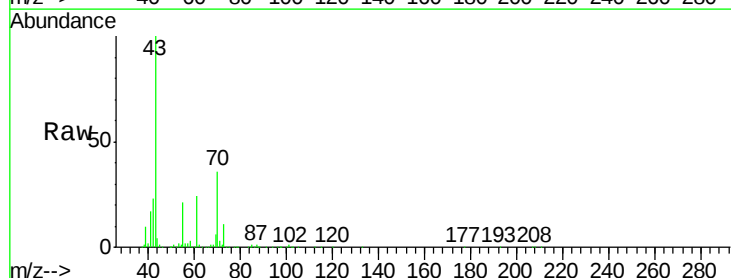
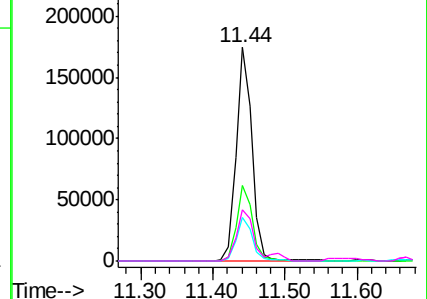
61 23.8 21.1 31.7

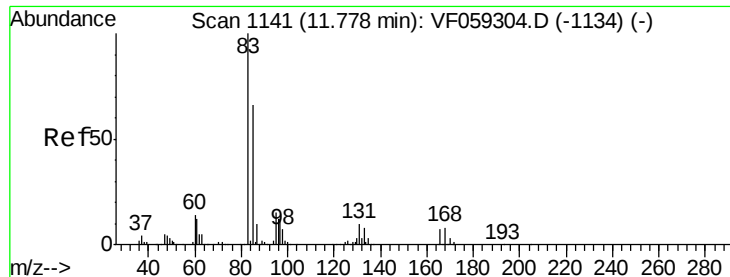
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 48.677 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

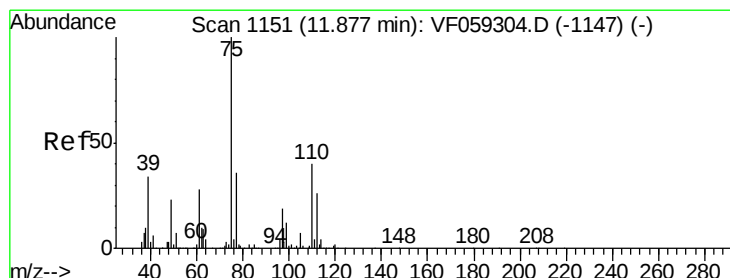
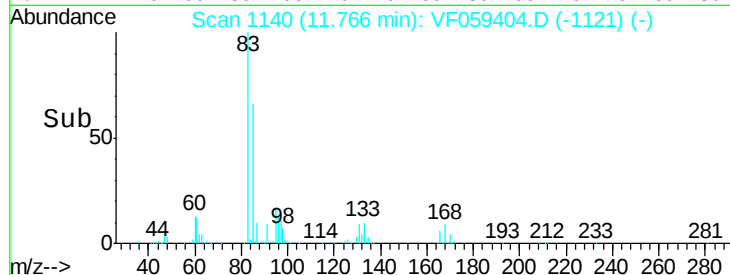
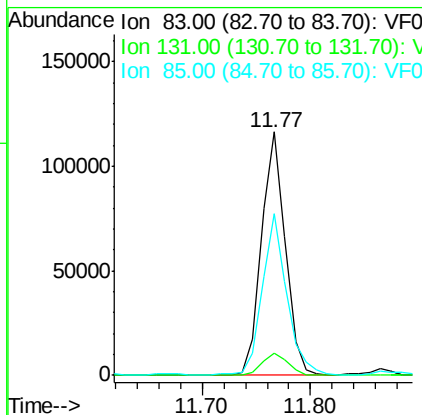
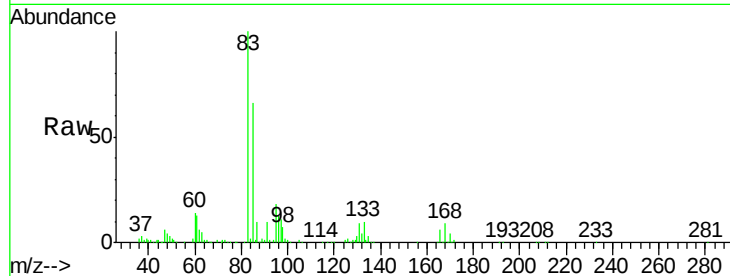
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	179100
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.6
85	66.3	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.057 ug/l

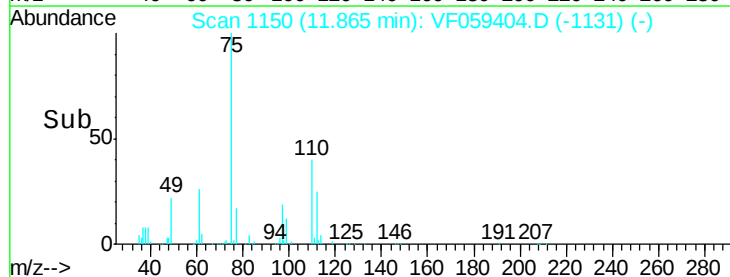
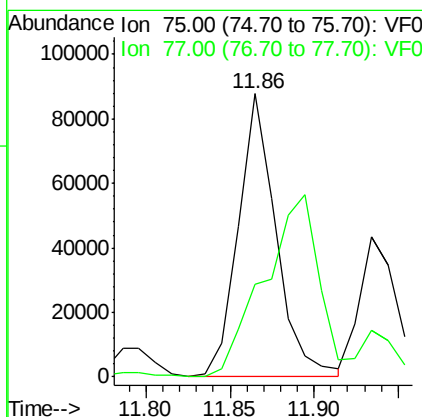
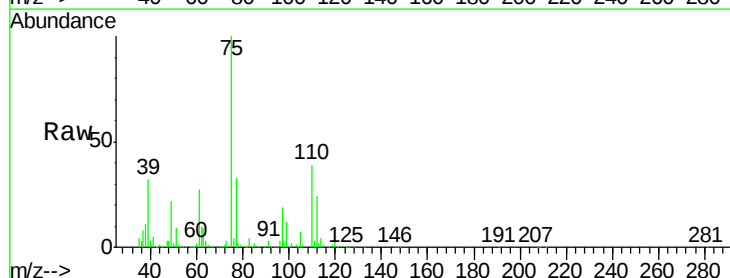
RT: 11.86 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion:	75	Resp:	136156
Ion Ratio	Lower	Upper	
75	100		
77	32.6	18.0	54.0





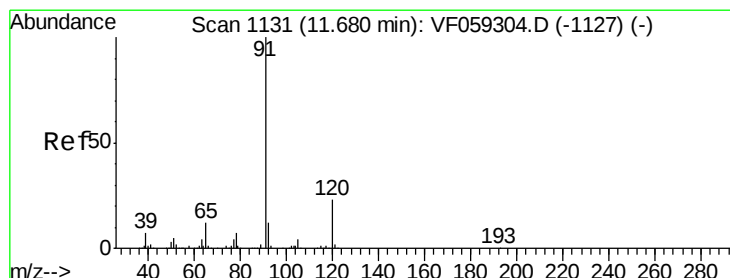
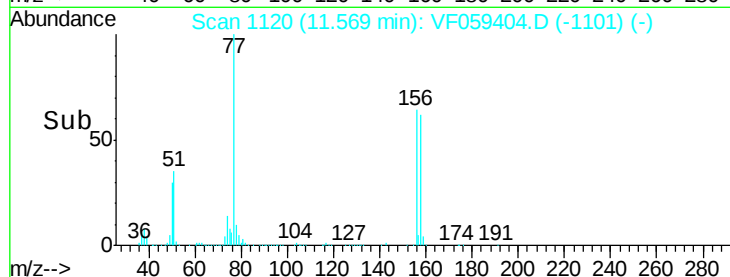
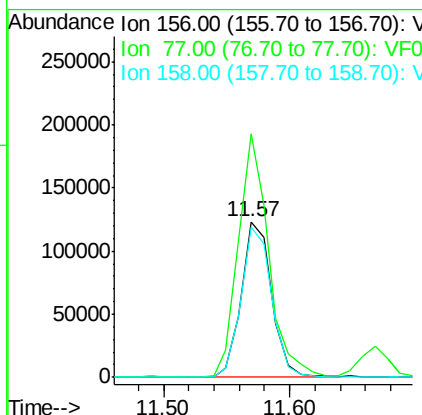
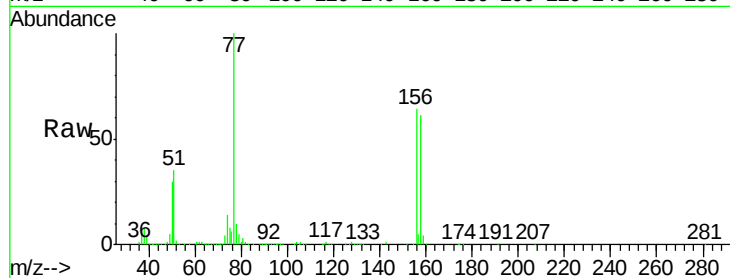
#77
Bromobenzene
Concen: 50.801 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	156.3		79.7	238.9	
158	96.1		46.2	138.6	

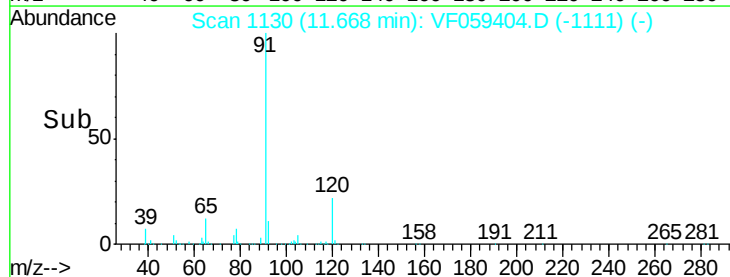
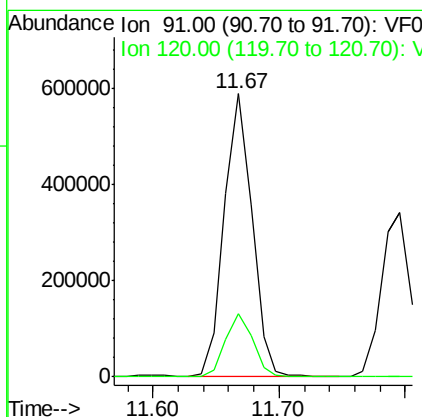
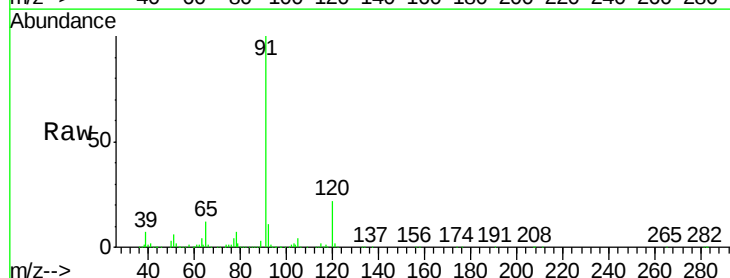
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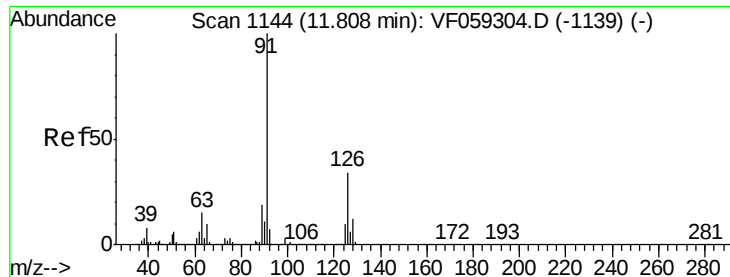
apatel
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#78
n-propylbenzene
Concen: 51.572 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.4		11.7	35.0	





#79

2-Chlorotoluene

Concen: 51.285 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 548206

Ion Ratio Lower Upper

91 100

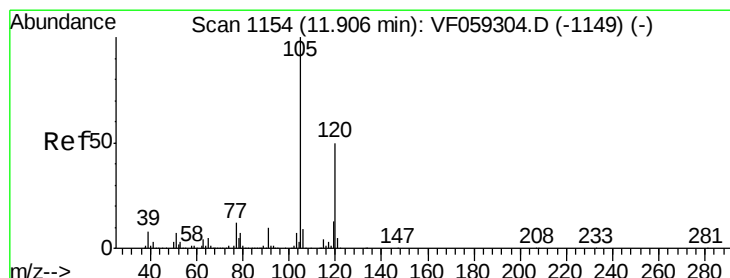
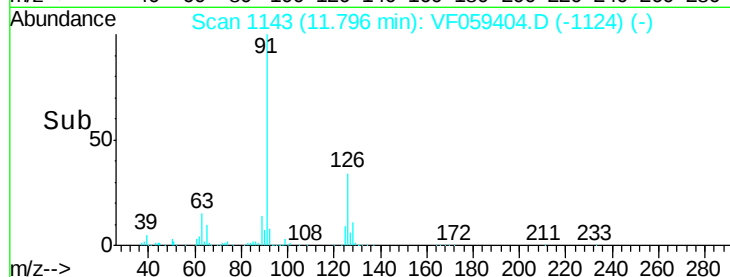
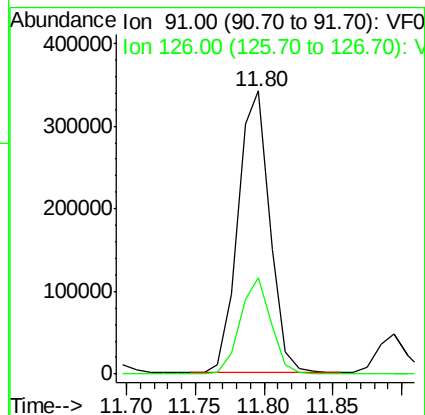
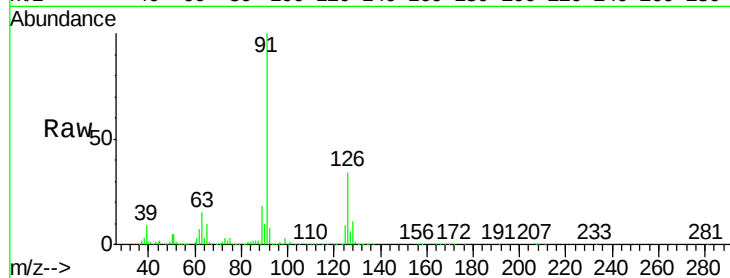
126 34.3 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 51.533 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059404.D

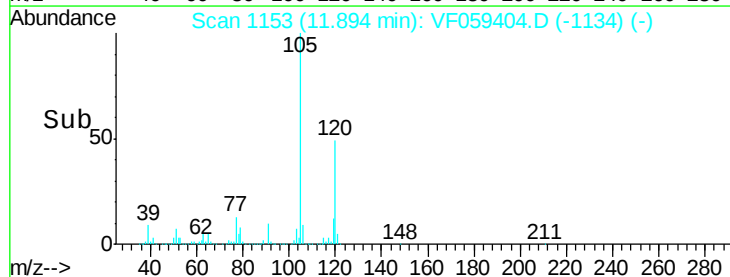
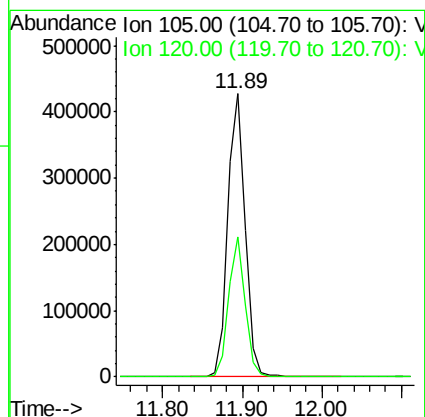
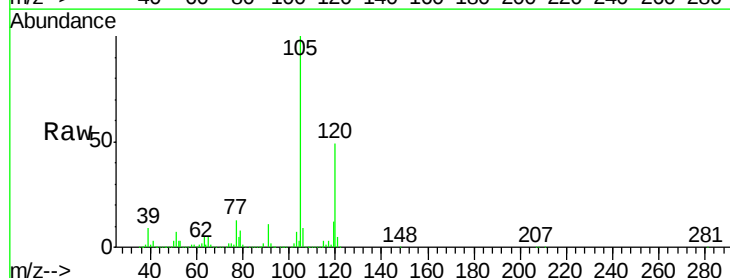
Acq: 3 Jul 2018 11:03

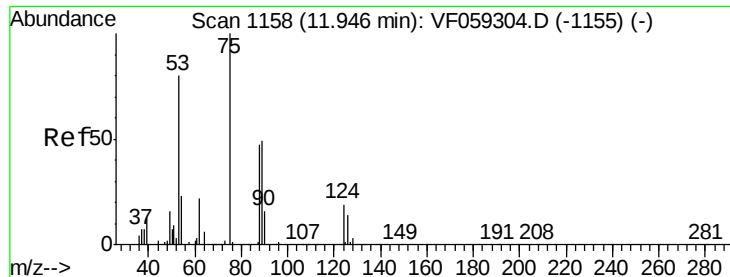
Tgt Ion: 105 Resp: 657638

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 50.172 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 82879

Ion Ratio Lower Upper

75 100

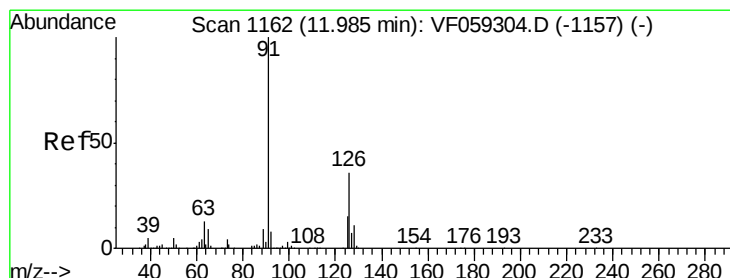
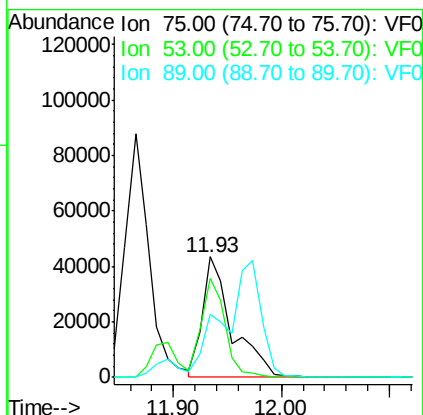
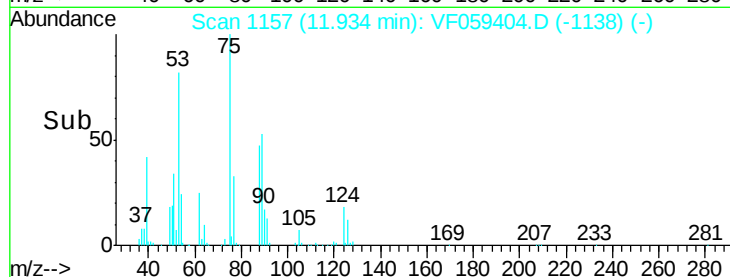
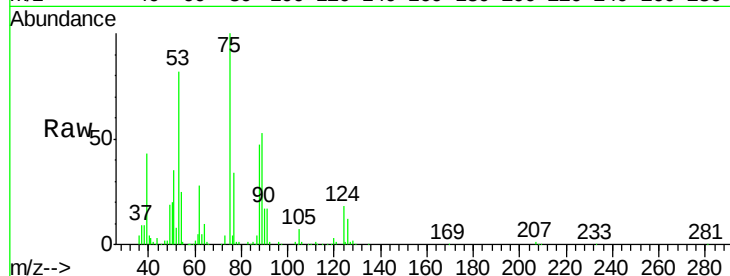
53 82.0 68.8 103.2

89 52.9 42.0 63.0

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7/5/2018 12:41:17 PM



#82

4-Chlorotoluene

Concen: 52.137 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059404.D

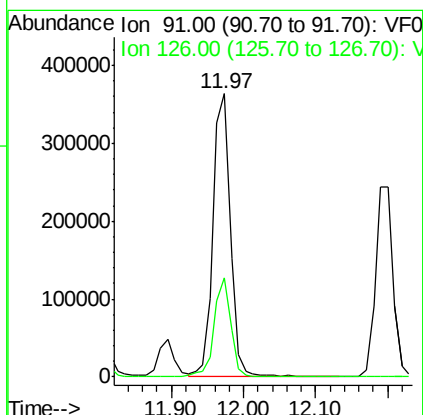
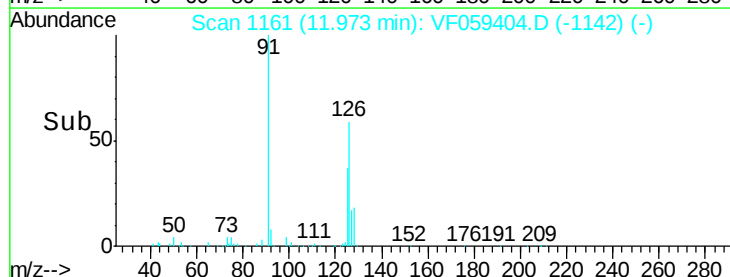
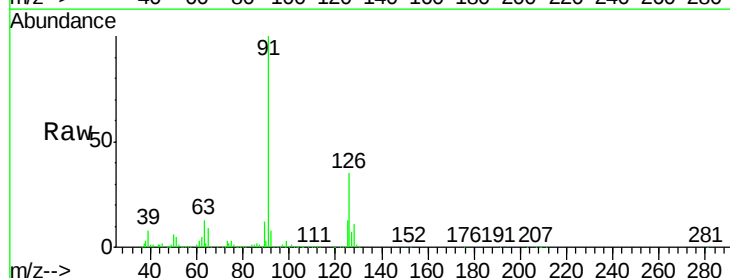
Acq: 3 Jul 2018 11:03

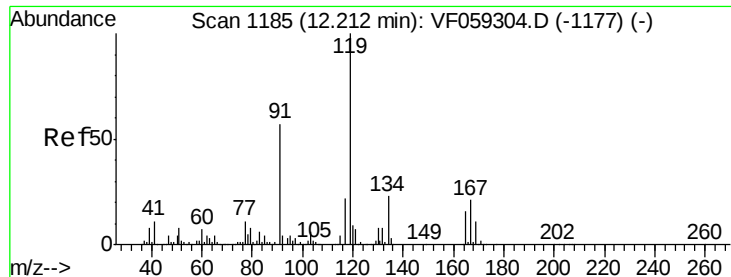
Tgt Ion: 91 Resp: 596941

Ion Ratio Lower Upper

91 100

126 34.9 18.2 54.6





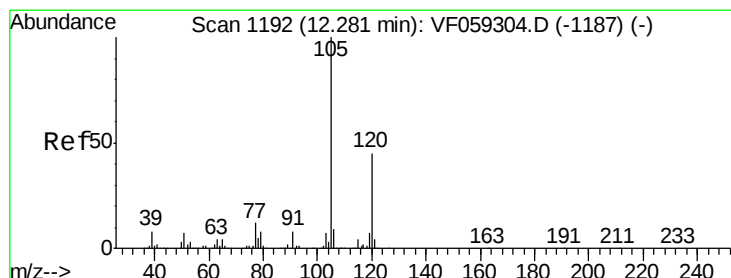
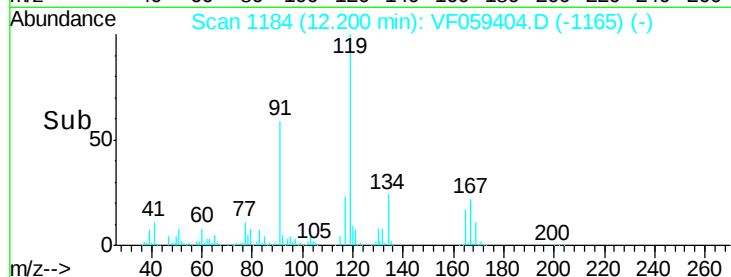
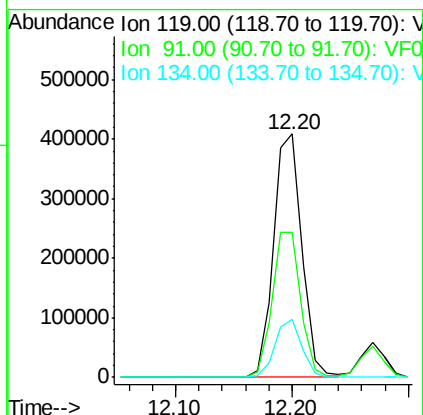
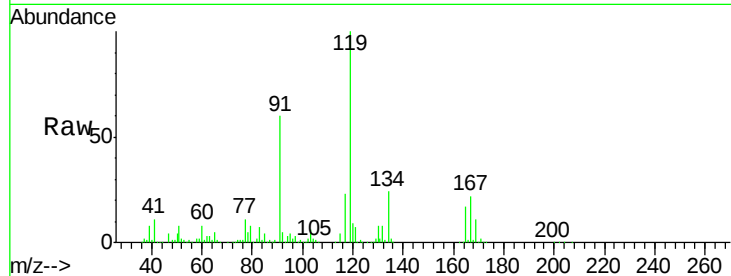
#83
tert-Butylbenzene
Concen: 53.793 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	28.4	85.2
134	23.7	11.7	35.1

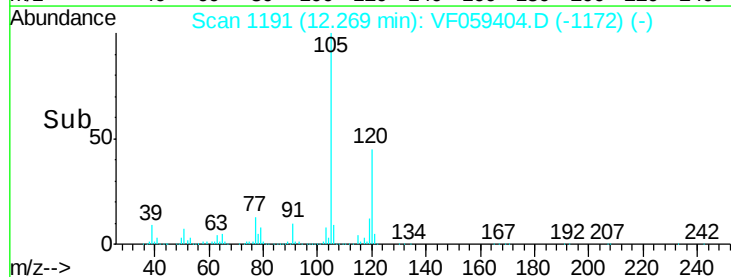
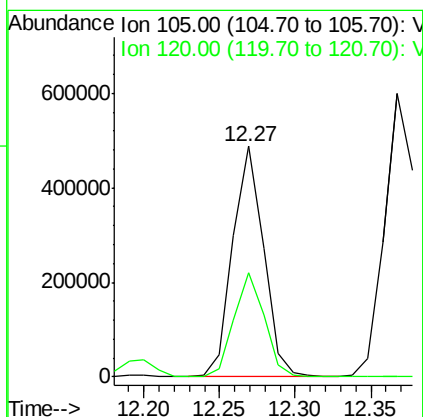
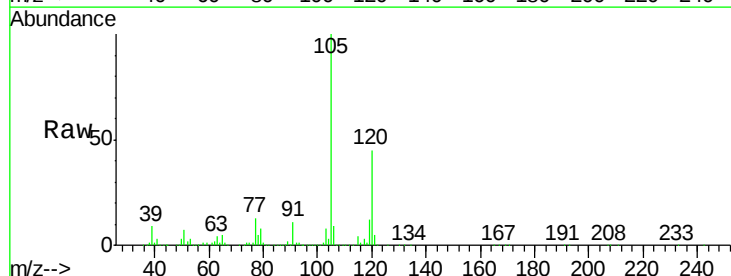
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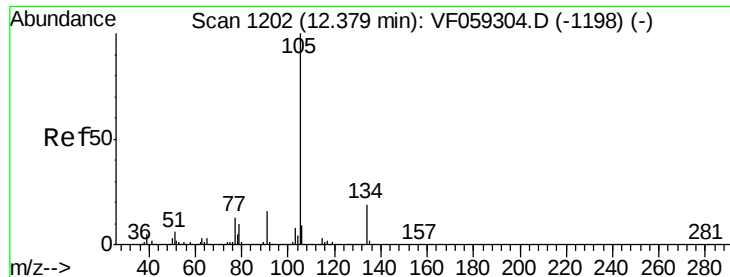
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#84
1,2,4-Trimethylbenzene
Concen: 51.636 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.8	68.4





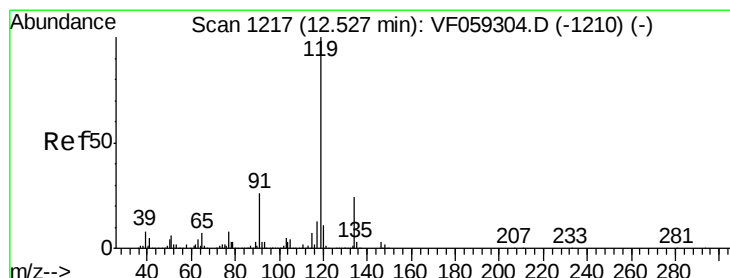
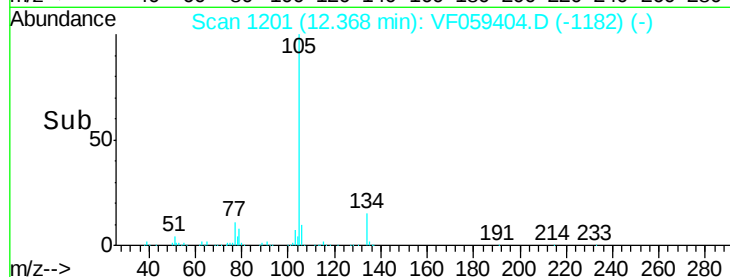
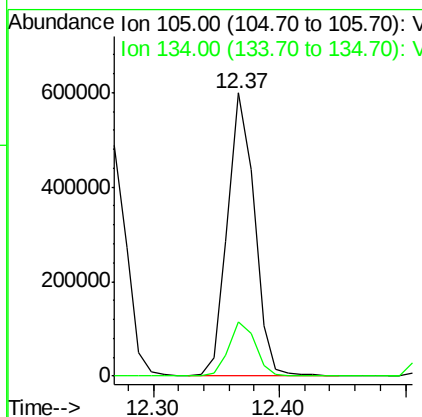
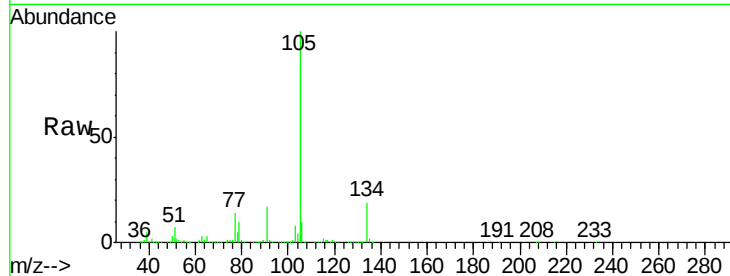
#85
 sec-Butylbenzene
 Concen: 52.148 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.4	28.3

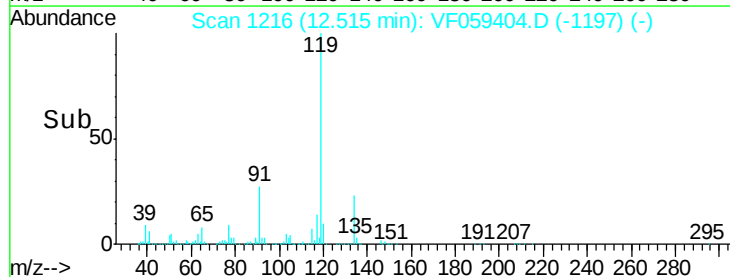
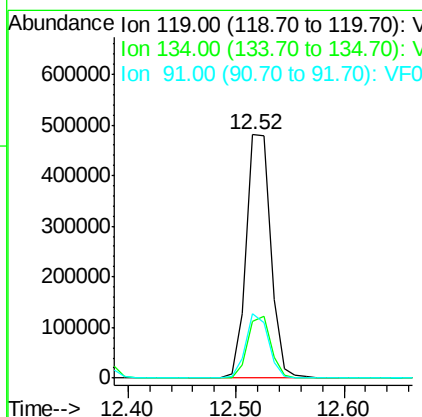
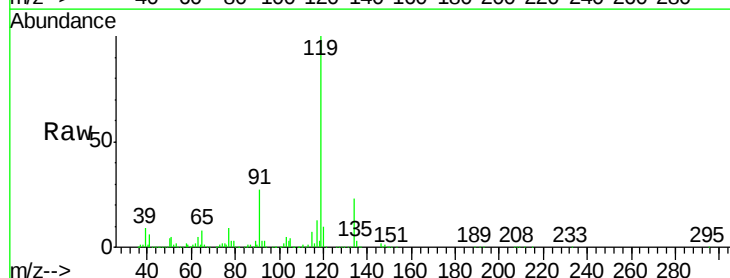
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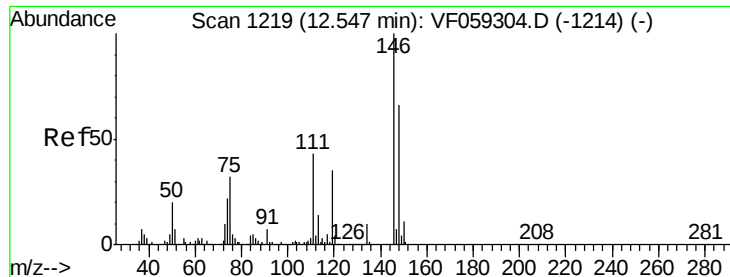
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#86
 p-Isopropyltoluene
 Concen: 53.433 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.1	12.2	36.4
91	26.7	12.9	38.6





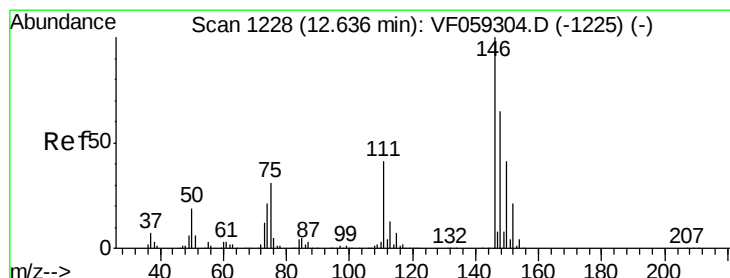
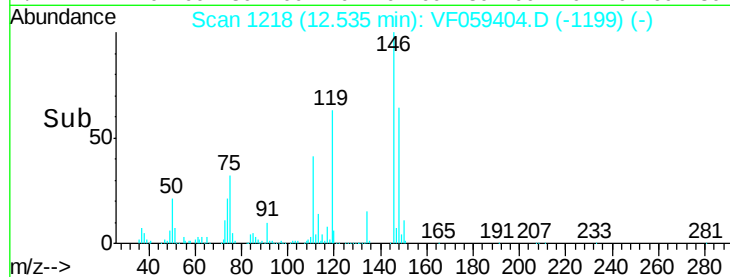
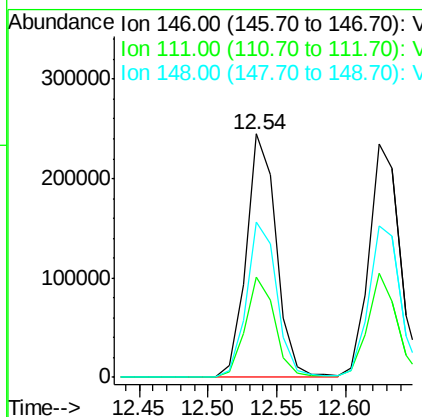
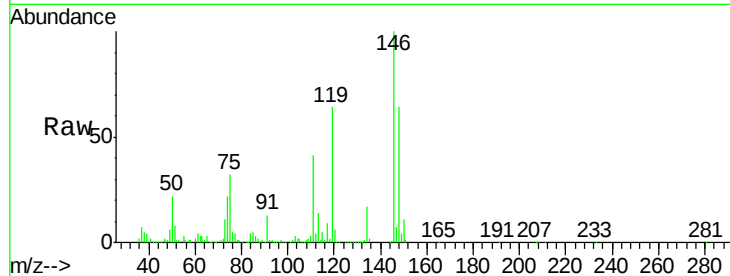
#87
 1,3-Dichlorobenzene
 Concen: 56.663 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.4	64.2
148	63.6	32.8	98.4

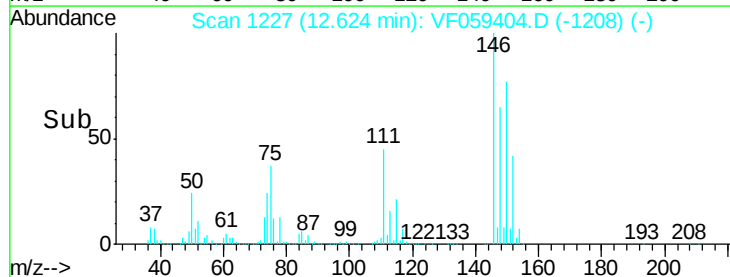
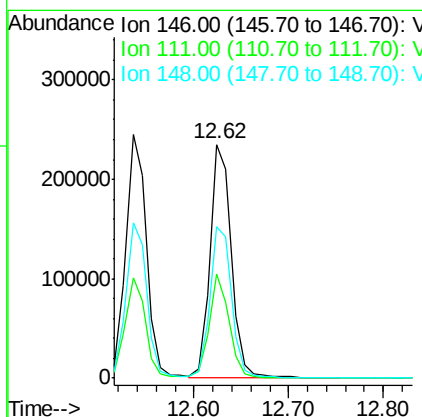
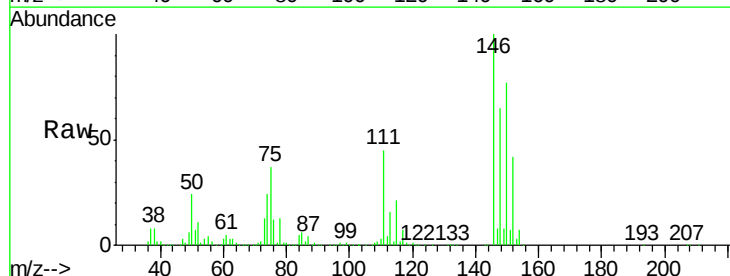
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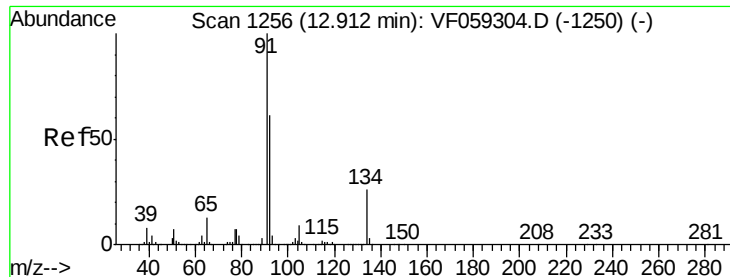
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#88
 1,4-Dichlorobenzene
 Concen: 51.076 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.7	62.1
148	65.1	32.8	98.3





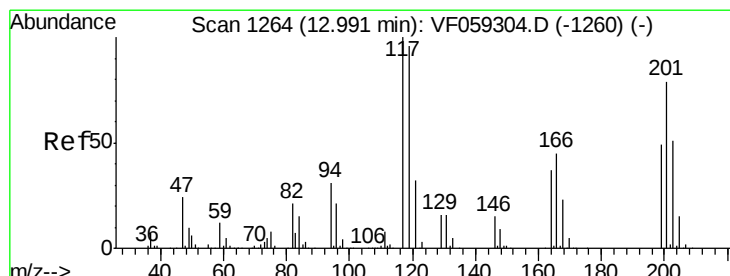
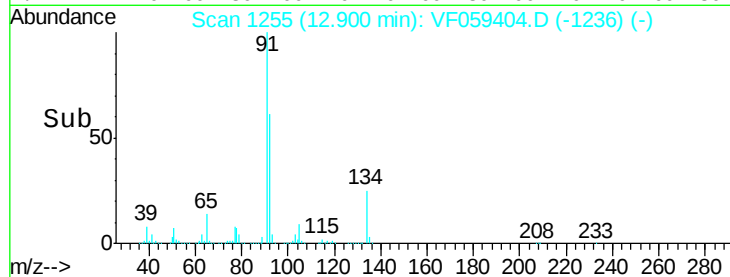
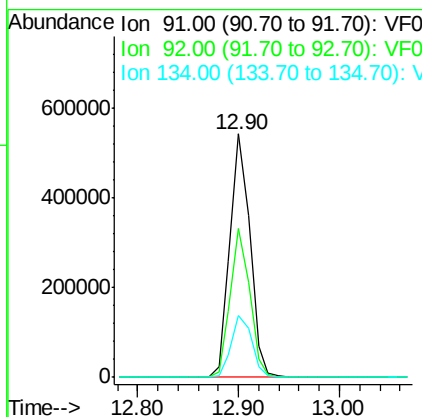
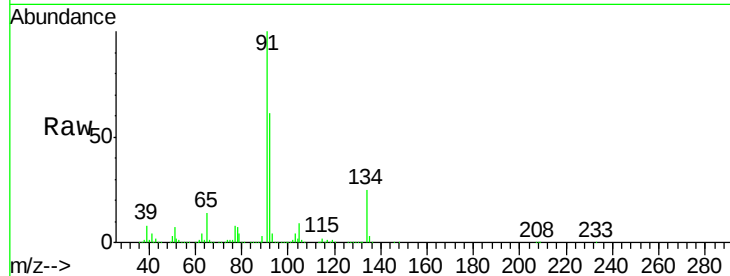
#89
n-Butylbenzene
Concen: 52.235 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	752895		
92	61.1	30.3	91.0	
134	25.4	12.9	38.7	

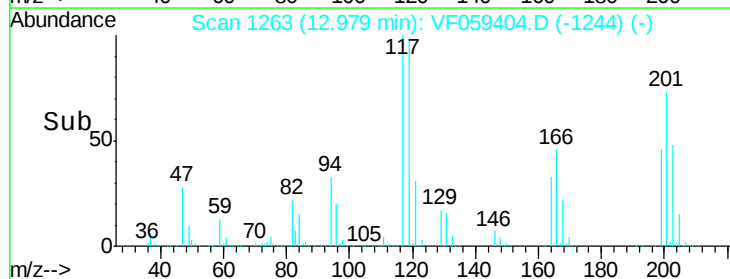
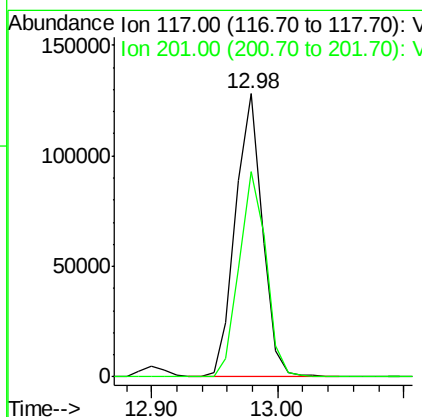
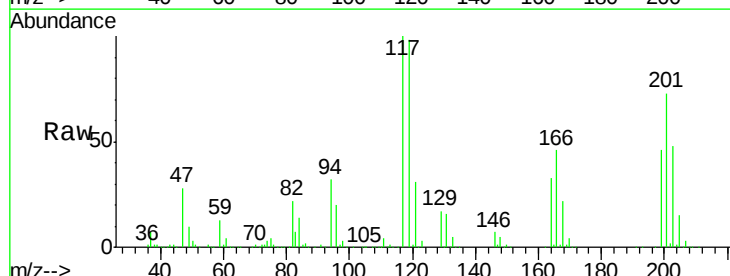
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#90
Hexachloroethane
Concen: 53.166 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059404.D
Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	188138		
201	74.5	39.5	118.5	





#91

1,2-Dichlorobenzene

Concen: 50.209 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

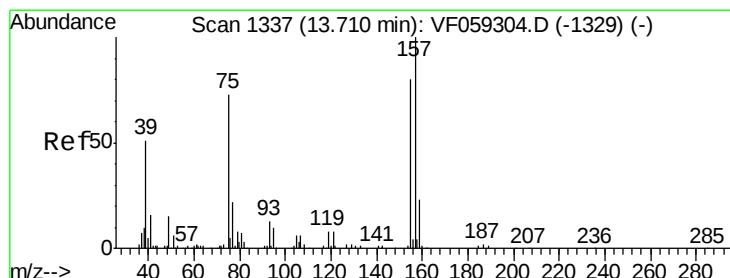
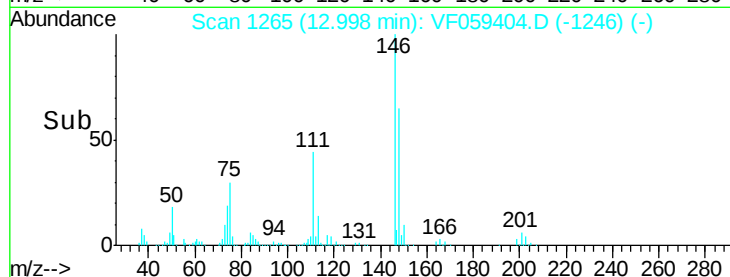
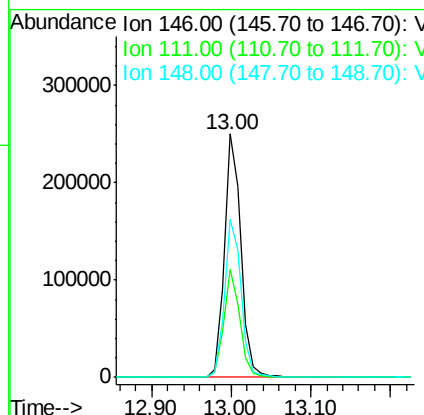
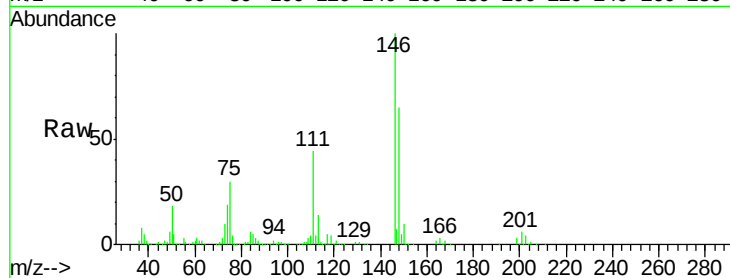
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	368427
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.7	68.0
148	64.6	33.5	100.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.966 ug/l

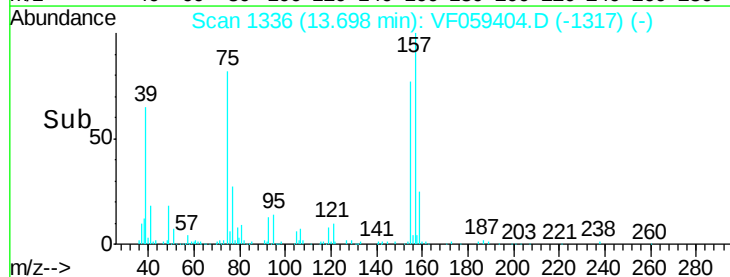
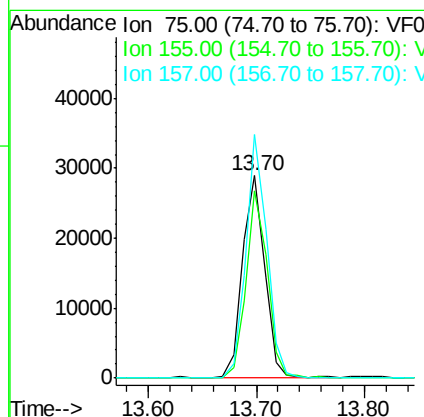
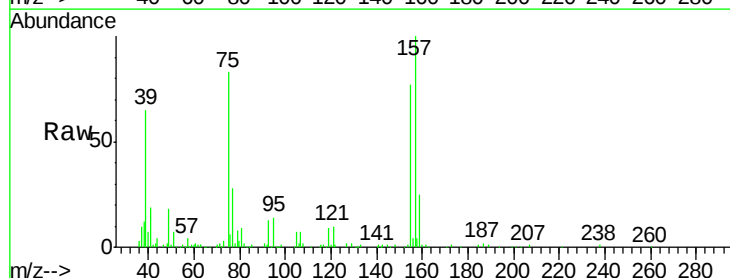
RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion:	75	Resp:	41569
Ion Ratio	Lower	Upper	
75	100		
155	92.6	54.6	163.8
157	120.4	68.7	205.9





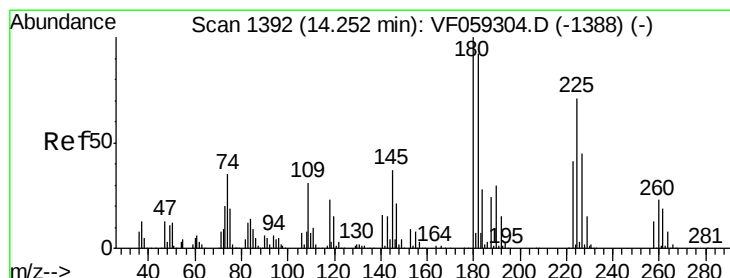
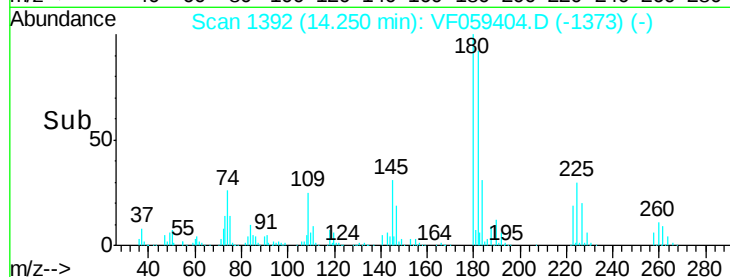
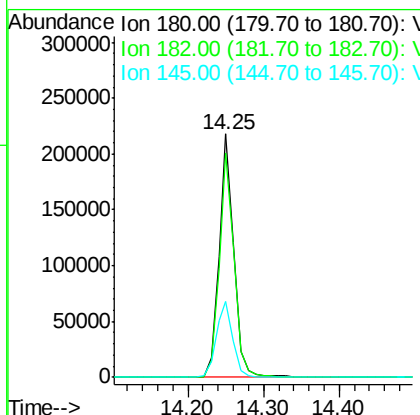
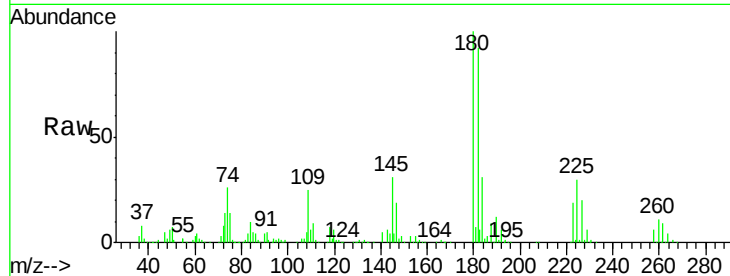
#93
 1,2,4-Trichlorobenzene
 Concen: 55.090 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	298899		
182	92.3	48.1	144.3	
145	31.1	15.3	45.8	

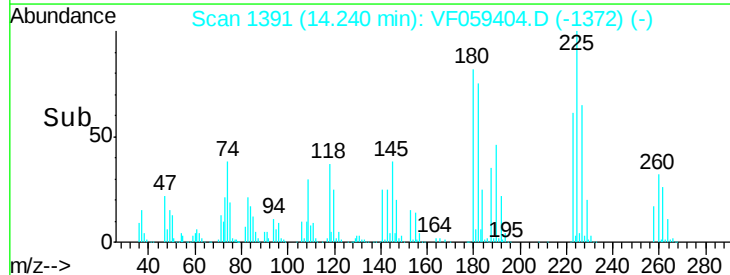
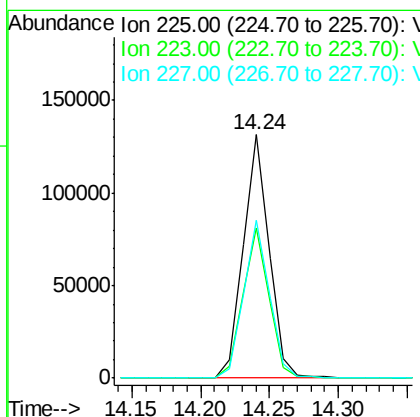
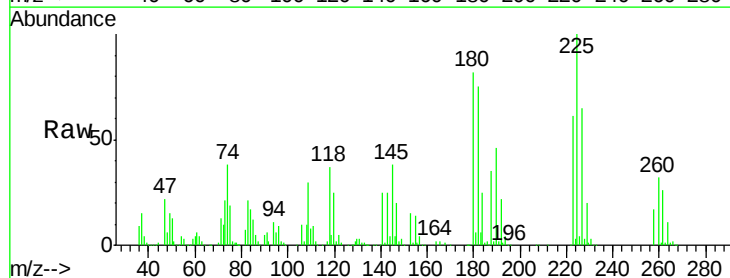
Manual Integrations
 APPROVED

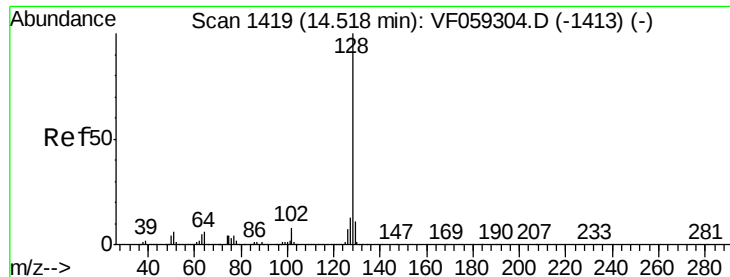
apatel
 7/5/2018 12:41:17 PM



#94
 Hexachlorobutadiene
 Concen: 57.126 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059404.D
 Acq: 3 Jul 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	173127		
223	61.4	28.9	86.8	
227	64.6	31.3	93.8	





#95

Naphthalene

Concen: 52.814 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Instrument :

MSVOA_F

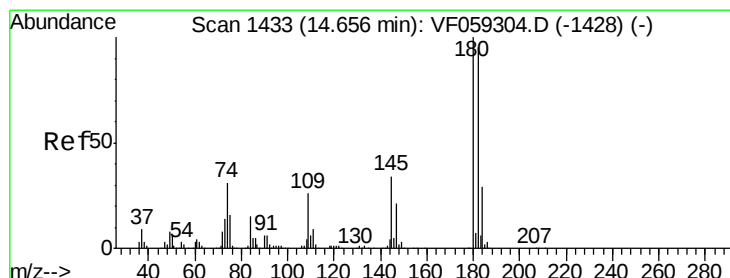
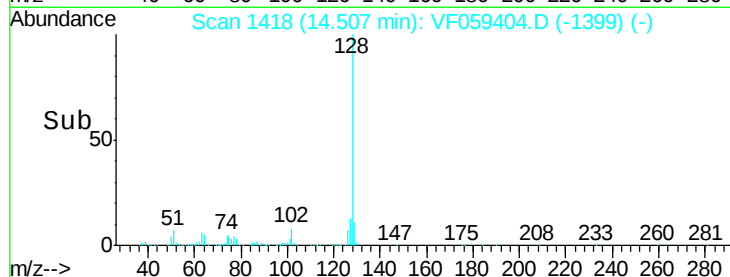
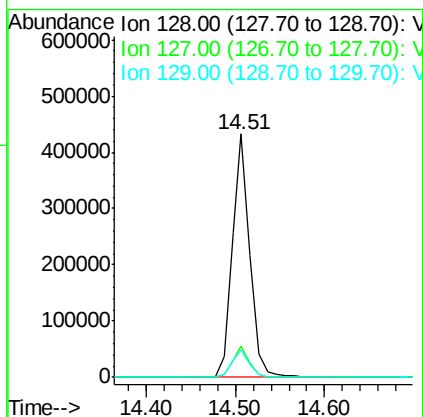
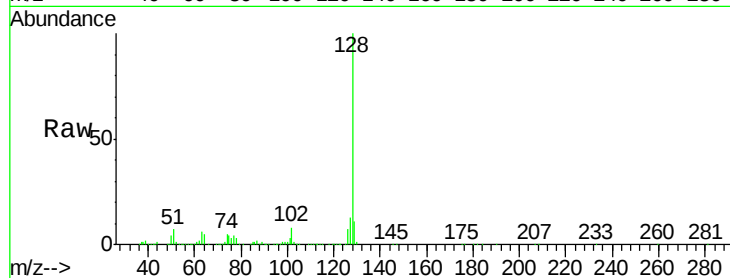
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	599549
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	11.4	8.8	13.2

Manual Integrations
APPROVED

apatel
7/5/2018 12:41:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.662 ug/l

RT: 14.65 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059404.D

Acq: 3 Jul 2018 11:03

Tgt Ion:	180	Resp:	280957
Ion Ratio	Lower	Upper	
180	100		
182	97.9	47.5	142.5
145	30.3	17.0	50.9

