

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059863.D
 Acq On : 4 Aug 2018 3:49
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:25:45 AM

Quant Time: Aug 04 05:40:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	182844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	261750	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	262222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	183136	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	32986	9.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.76%	
35) Dibromofluoromethane	4.30	113	26161	9.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.10%	
50) Toluene-d8	7.71	98	52744	8.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.66%	
62) 4-Bromofluorobenzene	11.51	95	32944	9.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	30601	11.46	ug/l	88
3) Chloromethane	1.08	50	15343	11.78	ug/l	90
4) Vinyl Chloride	1.15	62	14239	10.63	ug/l	97
5) Bromomethane	1.34	94	14403	12.99	ug/l	90
6) Chloroethane	1.42	64	9224	10.95	ug/l	88
7) Trichlorofluoromethane	1.54	101	40630m	11.39	ug/l	
8) Diethyl Ether	1.71	74	6290	10.56	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	22421	12.01	ug/l	97
10) Methyl Iodide	1.96	142	34333	11.58	ug/l #	92
11) Tert butyl alcohol	2.68	59	6629	45.37	ug/l #	82
12) 1,1-Dichloroethene	1.86	96	17024	11.47	ug/l	81
13) Acrolein	2.09	56	3755	59.19	ug/l	85
14) Allyl chloride	2.19	41	28039	11.78	ug/l	88
15) Acrylonitrile	3.08	53	11995	49.58	ug/l #	83
16) Acetone	2.34	43	32079	53.53	ug/l	99
17) Carbon Disulfide	1.90	76	42622	11.53	ug/l	98
18) Methyl Acetate	2.45	43	10542	9.42	ug/l #	84
19) Methyl tert-butyl Ether	2.54	73	45468	10.32	ug/l #	84
20) Methylene Chloride	2.28	84	20661m	12.04	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	16267	10.94	ug/l	83
22) Diisopropyl ether	2.93	45	51612	10.46	ug/l	98
23) Vinyl Acetate	3.33	43	122646	48.93	ug/l	99
24) 1,1-Dichloroethane	3.00	63	38178	11.03	ug/l #	96
25) 2-Butanone	4.50	43	32019	49.60	ug/l	93
26) 2,2-Dichloropropane	3.77	77	22442	9.42	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	19518	10.71	ug/l	82
28) Bromochloromethane	3.88	49	13965	10.40	ug/l	96
29) Tetrahydrofuran	4.26	42	11052	43.35	ug/l	93
30) Chloroform	4.04	83	55696	11.54	ug/l	86
31) Cyclohexane	3.87	56	18610	9.92	ug/l	88
32) 1,1,1-Trichloroethane	4.28	97	44634	11.80	ug/l	93
36) 1,1-Dichloropropene	4.47	75	30300	9.73	ug/l	95
37) Ethyl Acetate	4.29	43	12053	7.95	ug/l #	67
38) Carbon Tetrachloride	4.17	117	43329m	10.15	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	22169	9.43	ug/l	95
40) Benzene	4.81	78	82760	15.31	ug/l	98
41) Methacrylonitrile	4.93	41	6961	9.35	ug/l #	80
42) 1,2-Dichloroethane	5.12	62	43346	11.23	ug/l	99
43) Isopropyl Acetate	7.12	43	11803	7.60	ug/l #	100
44) Trichloroethene	5.68	130	20921	9.98	ug/l	82
45) 1,2-Dichloropropane	6.41	63	13623	9.60	ug/l	92
46) Dibromomethane	6.26	93	15099	11.17	ug/l #	85
47) Bromodichloromethane	6.56	83	38927	10.50	ug/l	98
48) Methyl methacrylate	6.88	41	9524m	8.10	ug/l	
49) 1,4-Dioxane	6.87	88	1134	125.11	ug/l #	83
51) 4-Methyl-2-Pentanone	8.41	43	69864	56.56	ug/l	100
52) Toluene	7.79	92	38504	9.60	ug/l	88
53) t-1,3-Dichloropropene	8.43	75	30143	9.57	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	27611	8.95	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	14092	9.81	ug/l	90
56) Ethyl methacrylate	8.76	69	11187	7.53	ug/l	87
57) 1,3-Dichloropropane	9.01	76	24168	9.70	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	10143	56.07	ug/l	100
59) 2-Hexanone	9.63	43	46951	48.12	ug/l	100
60) Dibromochloromethane	8.86	129	25754	9.97	ug/l	88
61) 1,2-Dibromoethane	9.14	107	15587	9.14	ug/l	97
64) Tetrachloroethene	8.31	164	23529	11.00	ug/l	90
65) Chlorobenzene	9.95	112	52980	9.86	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.07	131	26669	10.58	ug/l	94
67) Ethyl Benzene	10.04	91	89746	9.62	ug/l	100
68) m/p-Xylenes	10.27	106	62816	19.21	ug/l	98
69) o-Xylene	10.83	106	32018	9.26	ug/l	86
70) Styrene	10.90	104	52012	10.04	ug/l	97
71) Bromoform	10.89	173	16160	9.98	ug/l	97
73) Isopropylbenzene	11.23	105	107038	8.73	ug/l	90
74) N-amyl acetate	11.46	43	20879	6.90	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	21111	9.30	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	18282	9.40	ug/l	90
77) Bromobenzene	11.59	156	32852	10.29	ug/l	92
78) n-propylbenzene	11.69	91	135296	9.46	ug/l	100
79) 2-Chlorotoluene	11.82	91	84281	9.48	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	109095	9.88	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	6201m	7.92	ug/l	
82) 4-Chlorotoluene	11.99	91	92312	9.73	ug/l	94
83) tert-Butylbenzene	12.21	119	105135	9.59	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	107438	9.69	ug/l	100
85) sec-Butylbenzene	12.39	105	136502	9.67	ug/l	98
86) p-Isopropyltoluene	12.54	119	113786	9.14	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	59899	9.84	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	59169	9.94	ug/l	96
89) n-Butylbenzene	12.92	91	110202	9.41	ug/l	96
90) Hexachloroethane	12.99	117	31046	9.94	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	58320	9.91	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	5077	9.00	ug/l	78

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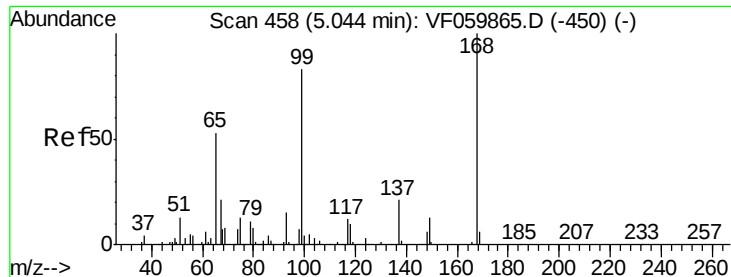
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	41377	9.05	ug/l	93
94) Hexachlorobutadiene	14.25	225	30159	9.84	ug/l	92
95) Naphthalene	14.52	128	63939	7.99	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	41285	9.29	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 182844

Ion Ratio Lower Upper

168 100

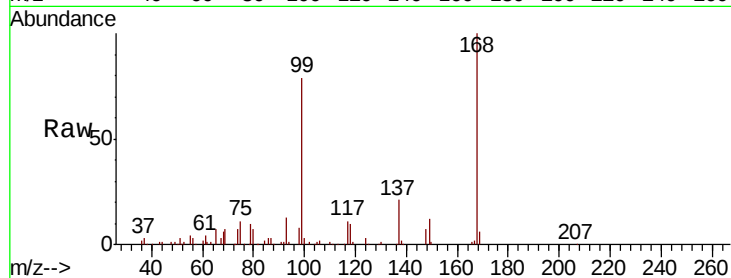
99 79.3 66.3 99.5

Manual Integrations

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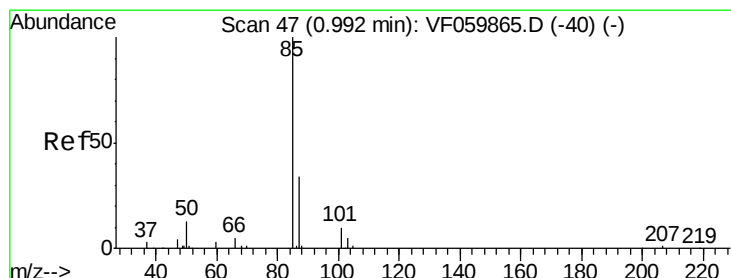
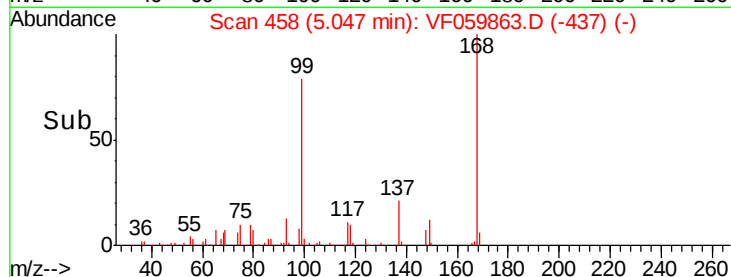
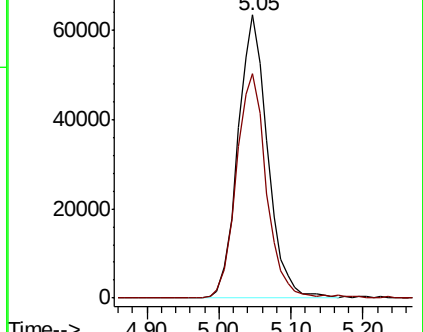
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 11.46 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059863.D

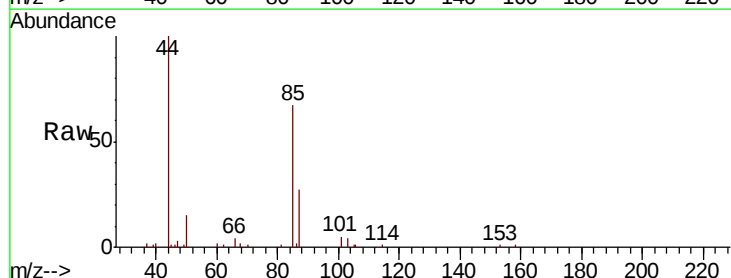
Acq: 4 Aug 2018 3:49

Tgt Ion: 85 Resp: 30601

Ion Ratio Lower Upper

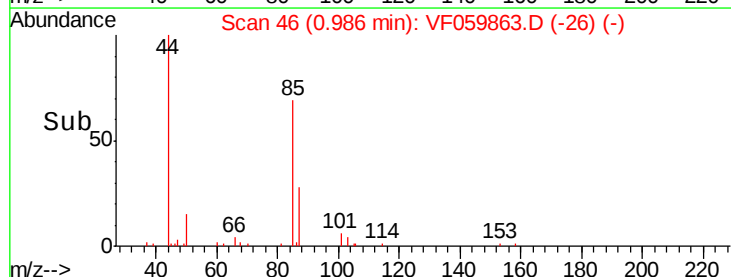
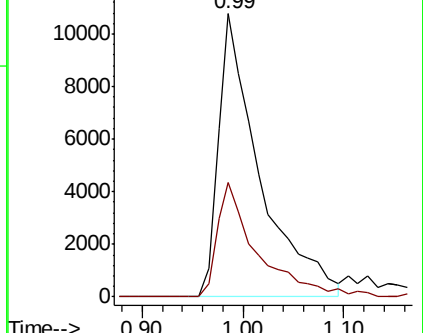
85 100

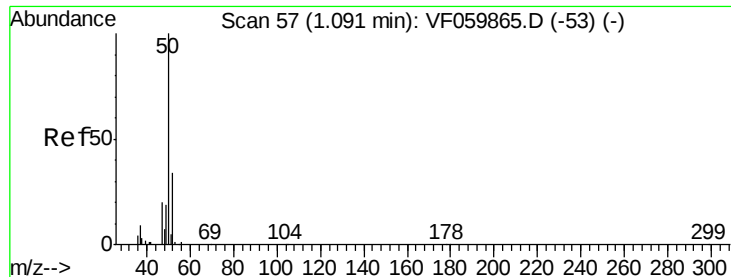
87 40.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 11.78 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 15343

Ion Ratio Lower Upper

50 100

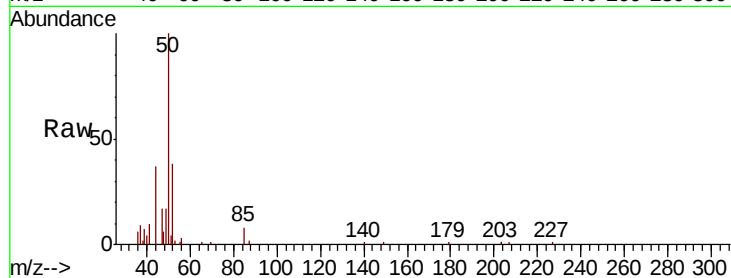
52 37.9 25.8 38.8

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

10000

8000

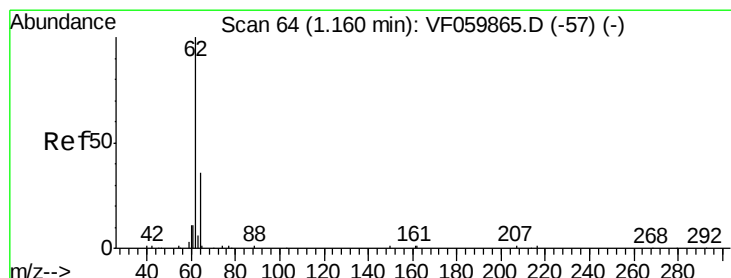
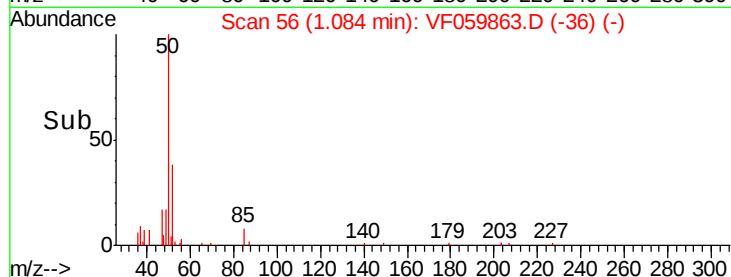
6000

4000

2000

0

Time-->



#4

Vinyl Chloride

Concen: 10.63 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059863.D

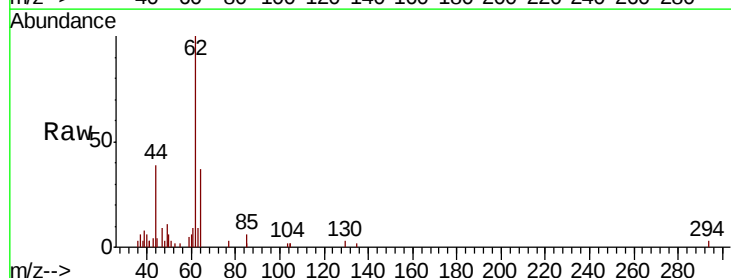
Acq: 4 Aug 2018 3:49

Tgt Ion: 62 Resp: 14239

Ion Ratio Lower Upper

62 100

64 37.1 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.15

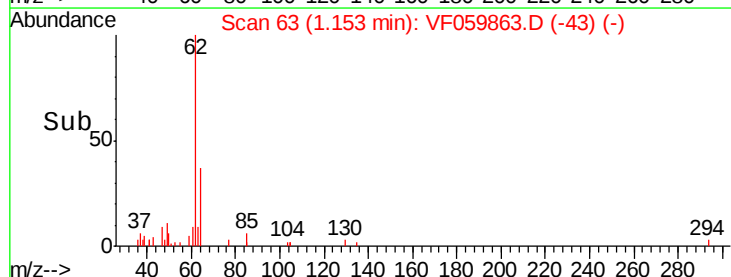
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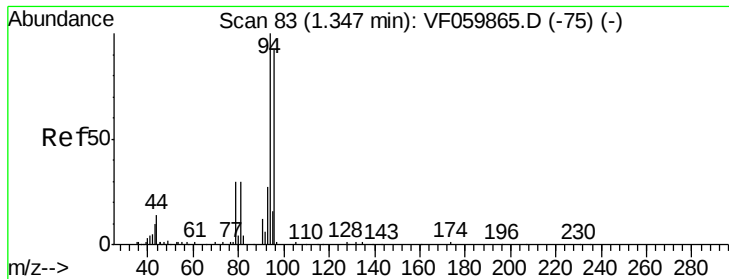
4000

2000

0

Time-->





#5

Bromomethane

Concen: 12.99 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 14403

Ion Ratio Lower Upper

94 100

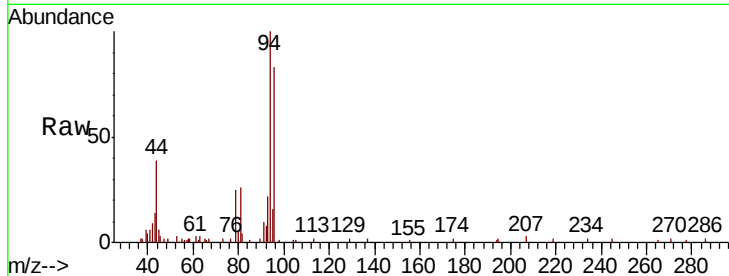
96 82.5 73.8 110.8

Manual Integrations

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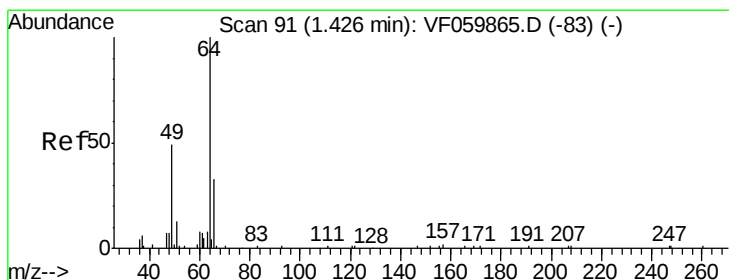
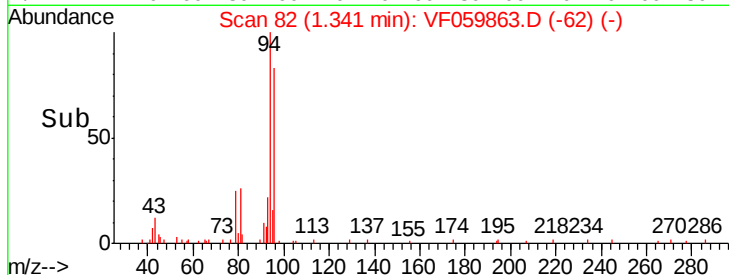
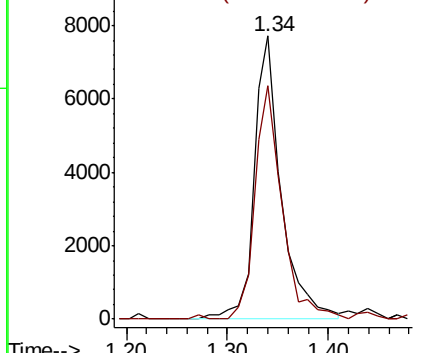
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 10.95 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059863.D

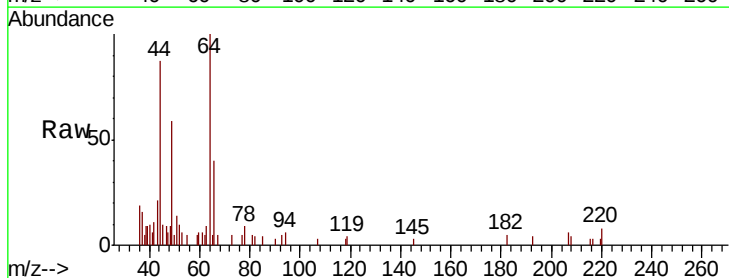
Acq: 4 Aug 2018 3:49

Tgt Ion: 64 Resp: 9224

Ion Ratio Lower Upper

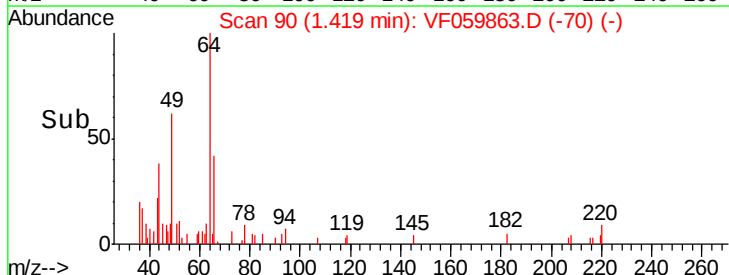
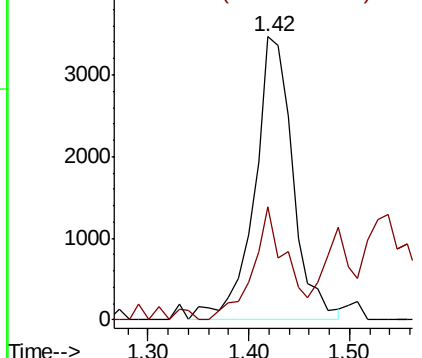
64 100

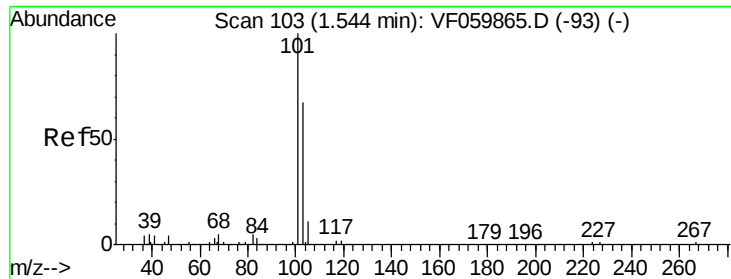
66 40.2 26.9 40.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

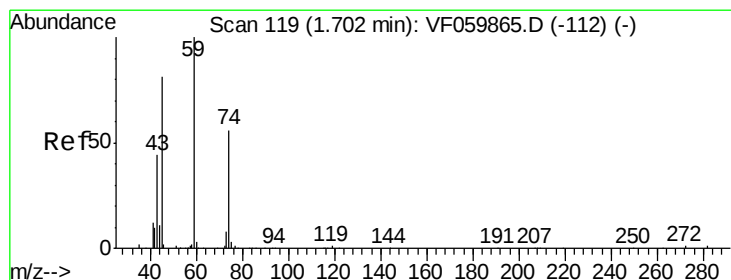
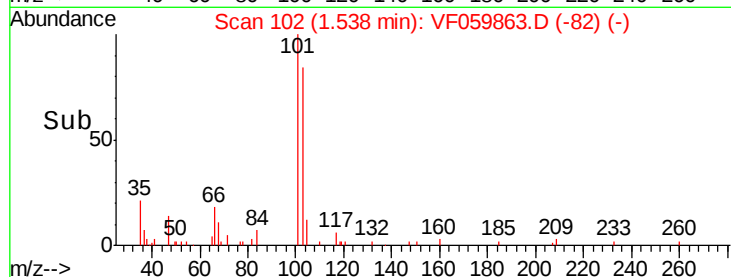
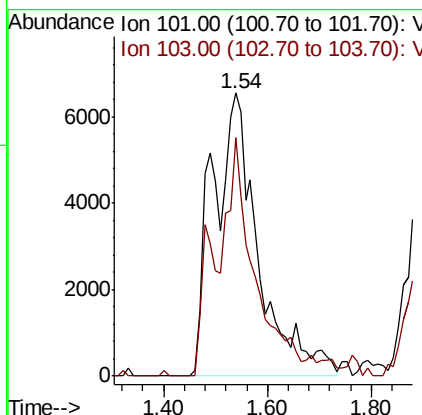
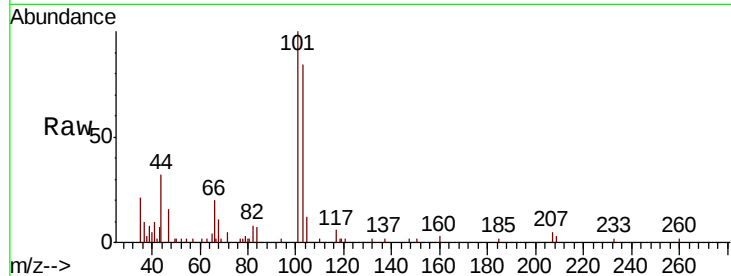
Trichlorofluoromethane
 Concen: 11.39 ug/l m
 RT: 1.54 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

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Tot Ion	Ratio	Lower	Upper
101	100		
103	84.2	53.6	80.4#

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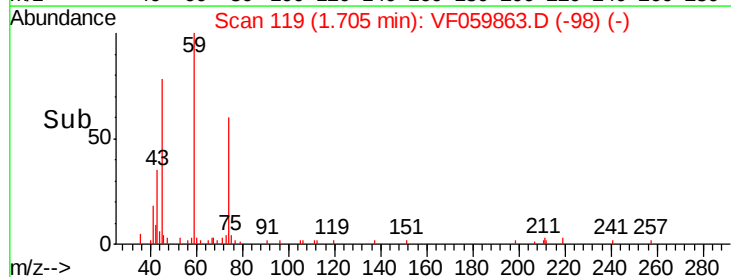
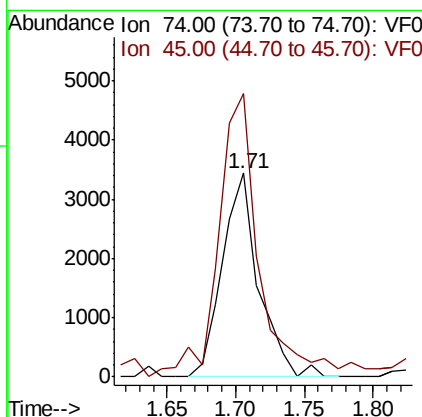
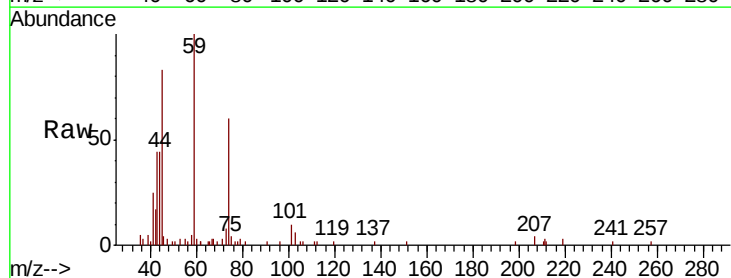
apatel
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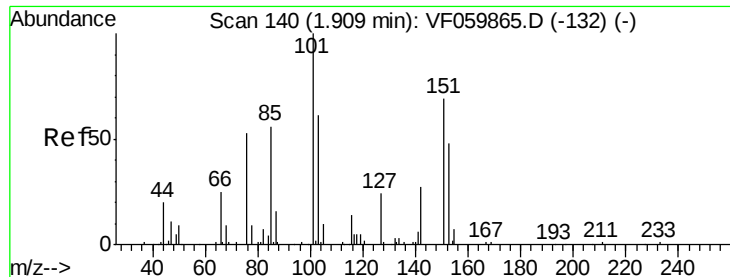


#8

Diethyl Ether
 Concen: 10.56 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.0	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.01 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

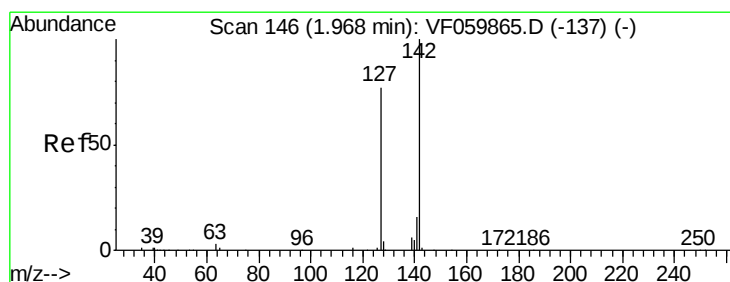
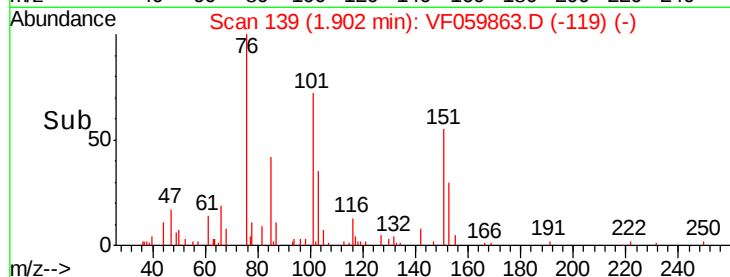
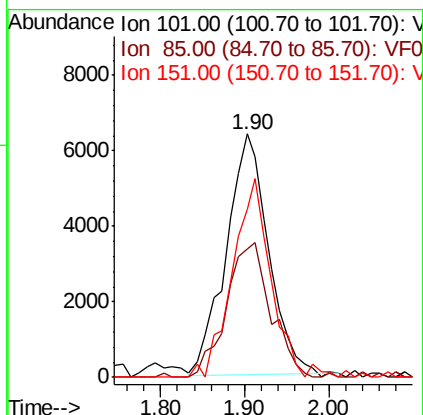
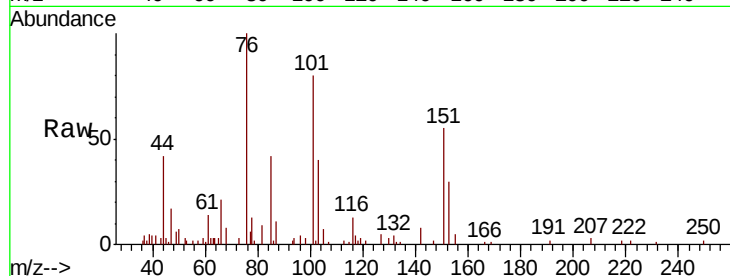
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	22421
Ion Ratio	Lower	Upper	
101	100		
85	52.6	44.5	66.7
151	68.8	53.8	80.8

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#10

Methyl Iodide

Concen: 11.58 ug/l

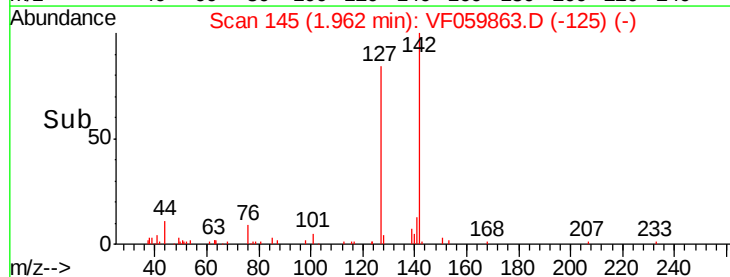
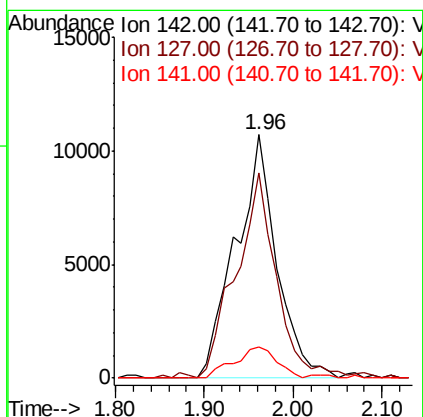
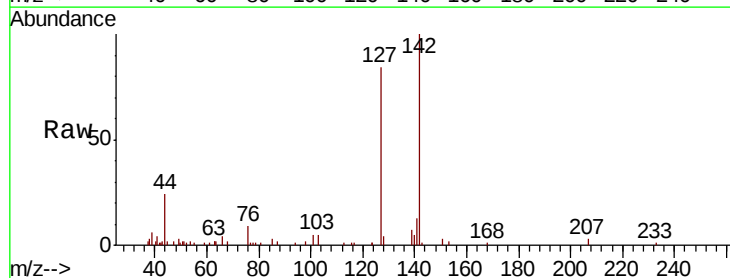
RT: 1.96 min Scan# 145

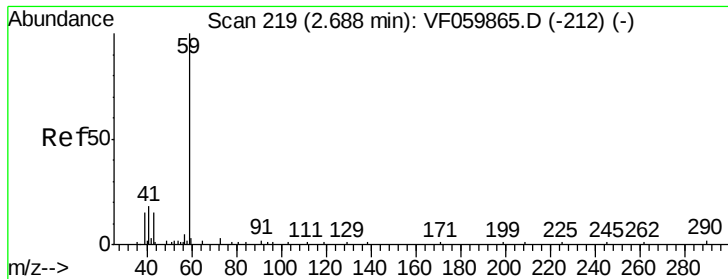
Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion:	142	Resp:	34333
Ion Ratio	Lower	Upper	
142	100		
127	84.1	61.5	92.3
141	12.7	13.0	19.4#





#11

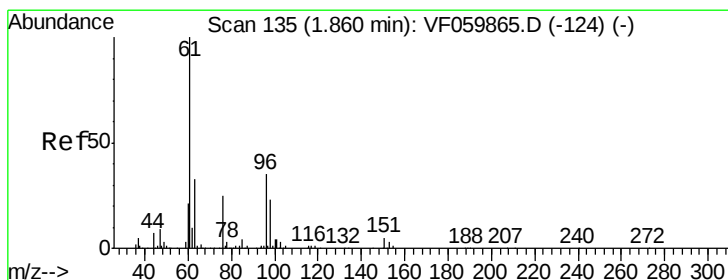
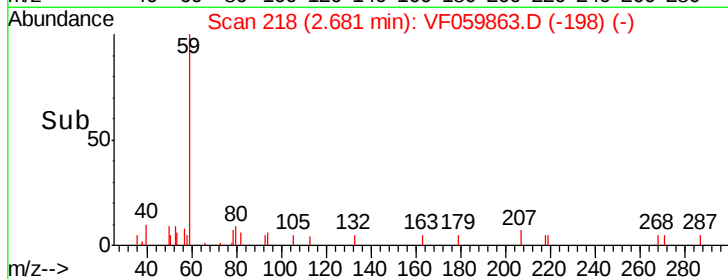
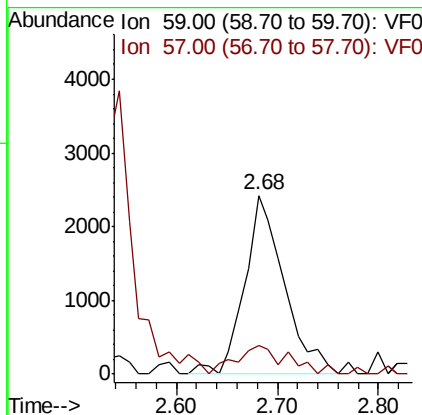
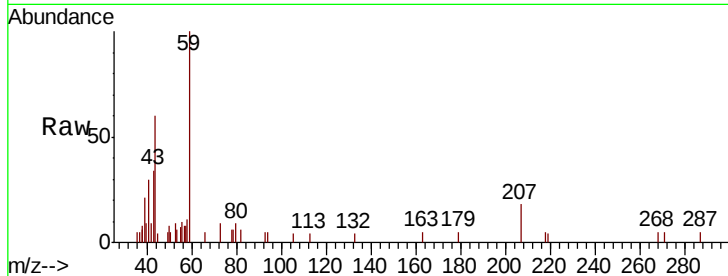
Tert butyl alcohol
 Concen: 45.37 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.2	7.6	11.4#

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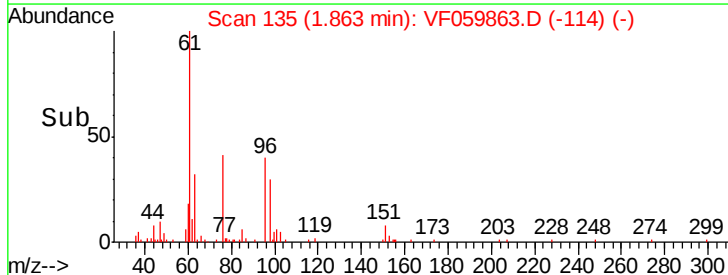
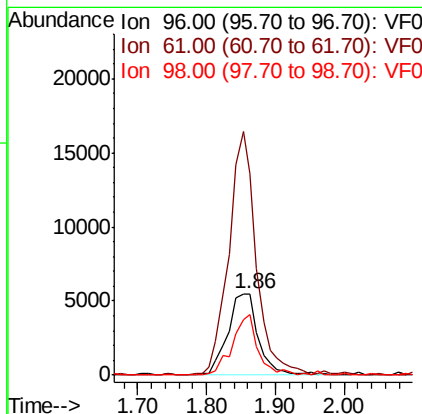
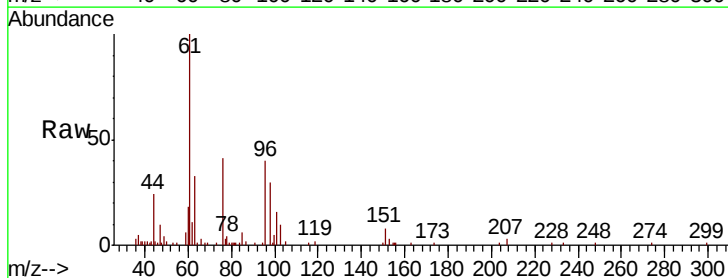
apatel
 8/6/2018 10:25:45 AM

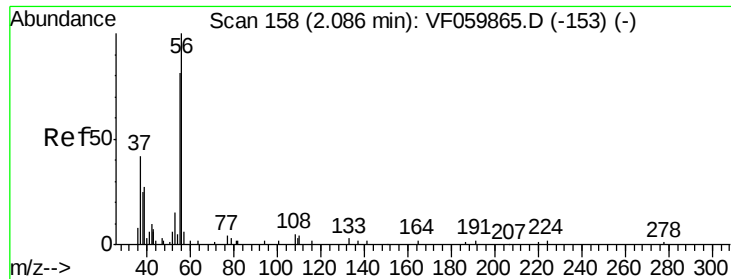


#12

1,1-Dichloroethene
 Concen: 11.47 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	247.4	230.2	345.2
98	74.7	52.7	79.1





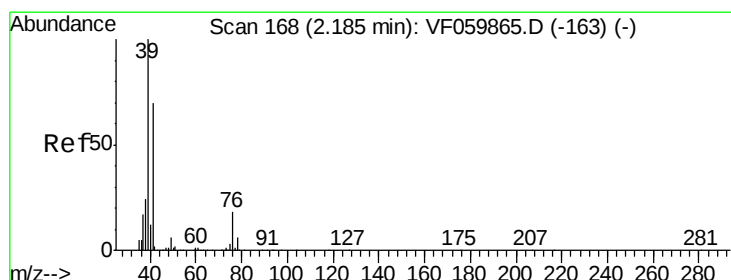
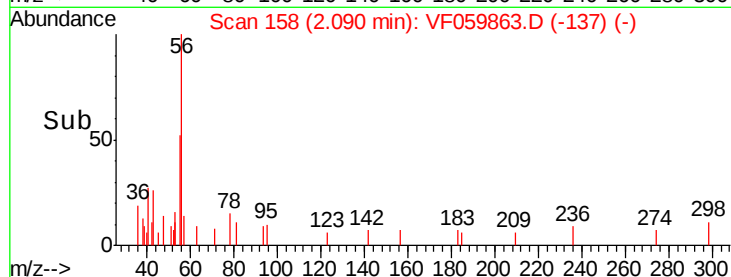
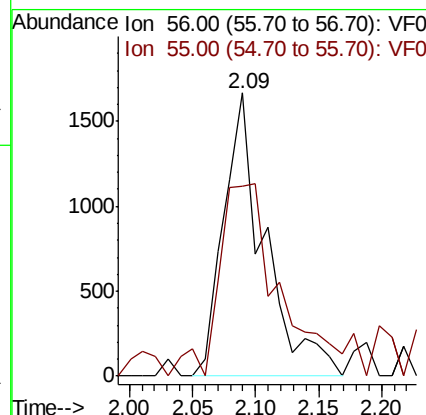
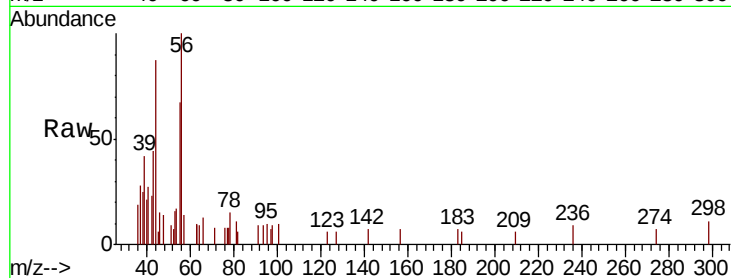
#13
Acrolein
Concen: 59.19 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	56	Resp	3755
Ion Ratio	100	Lower	Upper
55	67.3	64.6	96.8

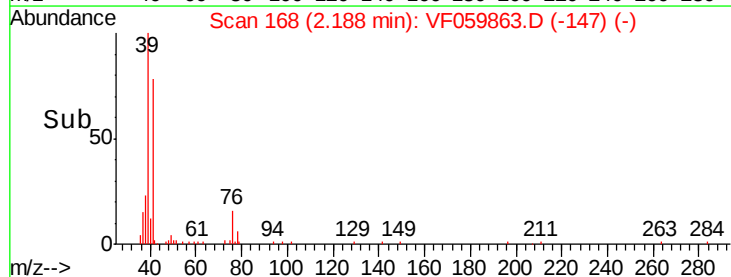
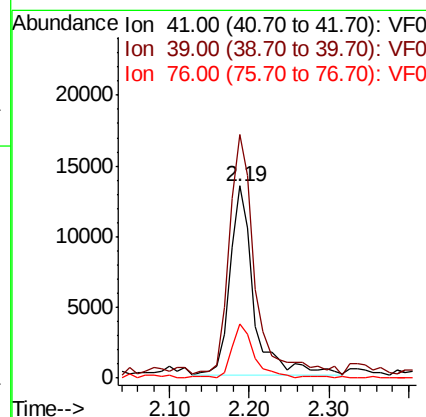
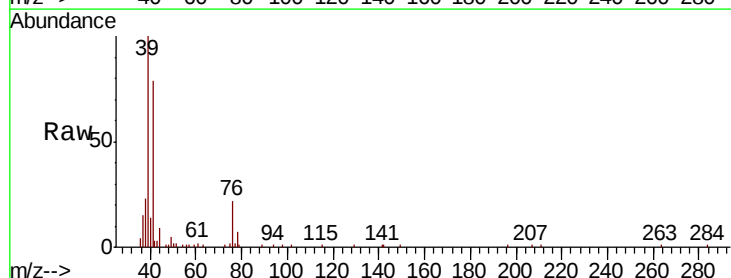
Manual Integrations
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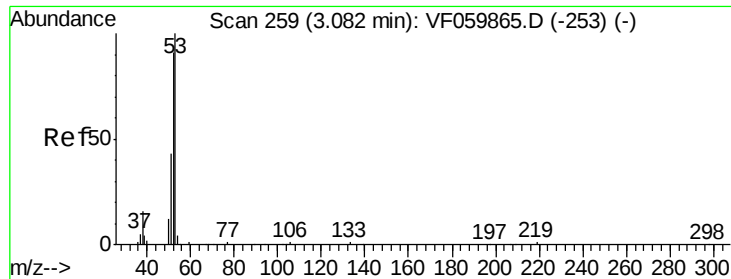
apatel
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#14
Allyl chloride
Concen: 11.78 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	41	Resp	28039
Ion Ratio	100	Lower	Upper
39	126.9	114.6	171.8
76	28.0	21.0	31.4





#15

Acrylonitrile

Concen: 49.58 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

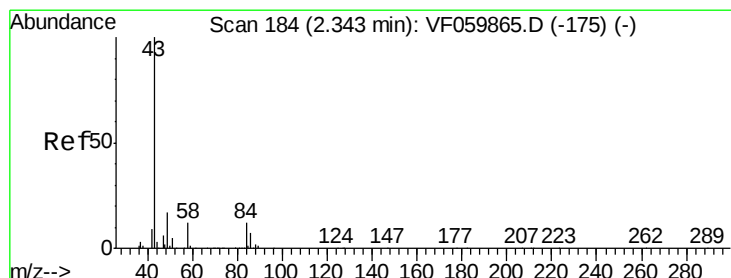
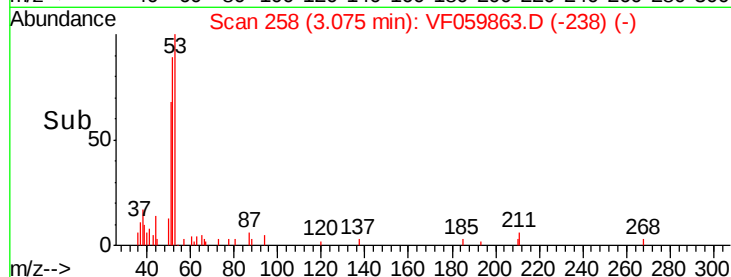
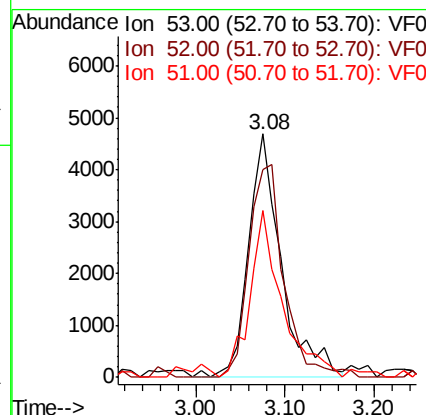
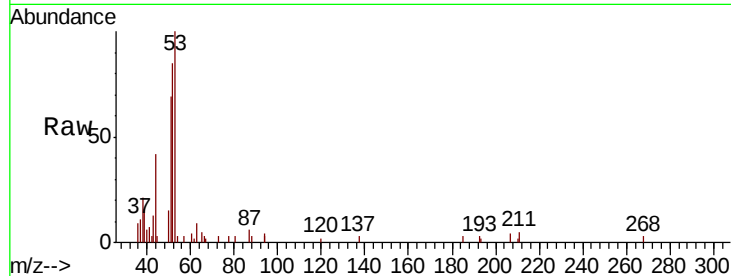
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	11995
Ion Ratio	Lower	Upper	
53	100		
52	85.2	72.9	109.3
51	68.7	34.5	51.7#

Manual Integrations
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#16

Acetone

Concen: 53.53 ug/l

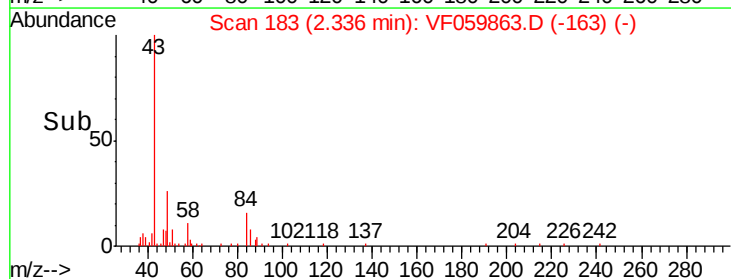
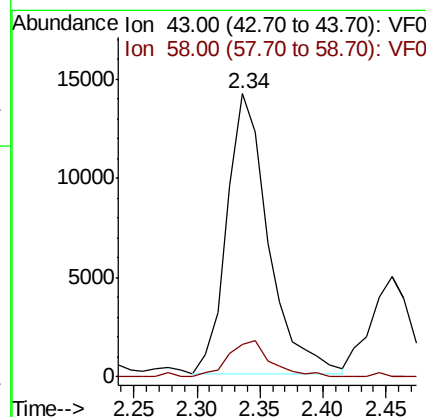
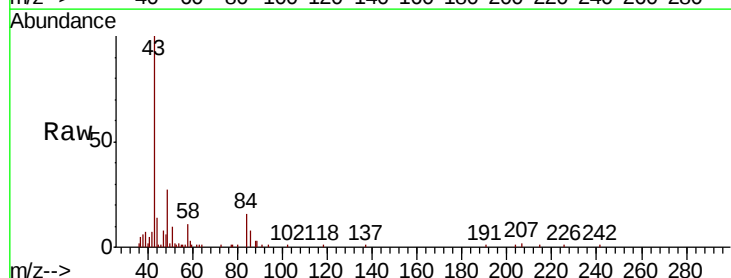
RT: 2.34 min Scan# 183

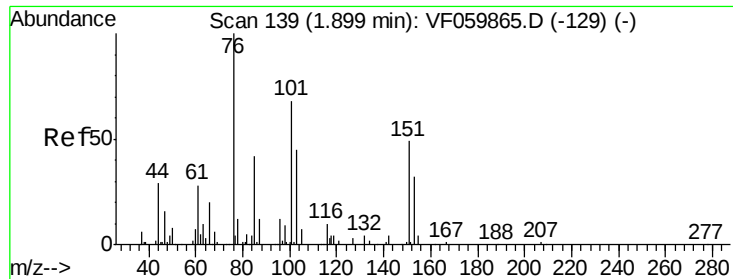
Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion:	43	Resp:	32079
Ion Ratio	Lower	Upper	
43	100		
58	11.5	9.4	14.0





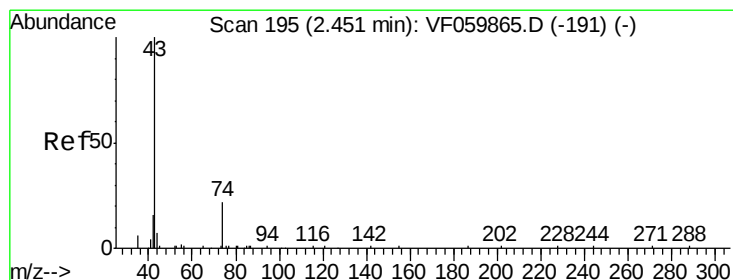
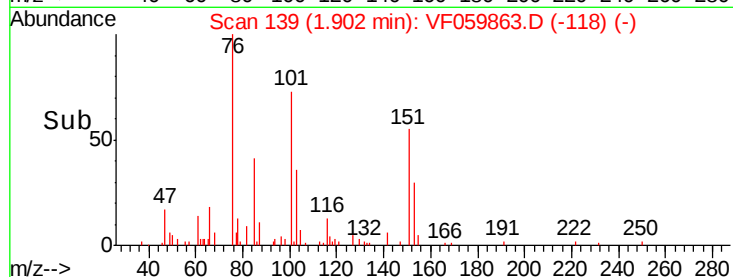
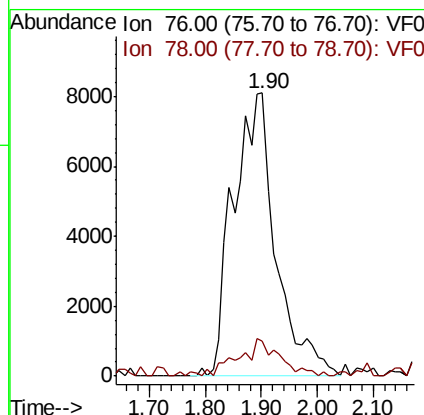
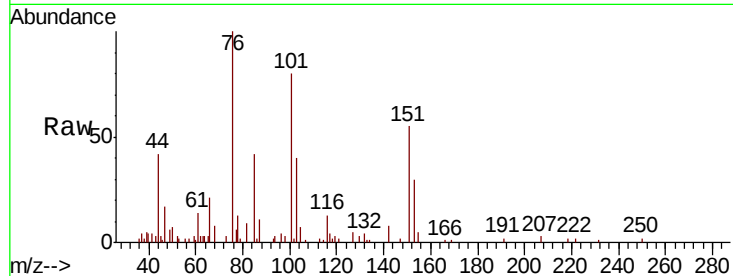
#17
Carbon Disulfide
Concen: 11.53 ug/l
RT: 1.90 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 42622
Ion Ratio Lower Upper
76 100
78 12.5 9.3 13.9

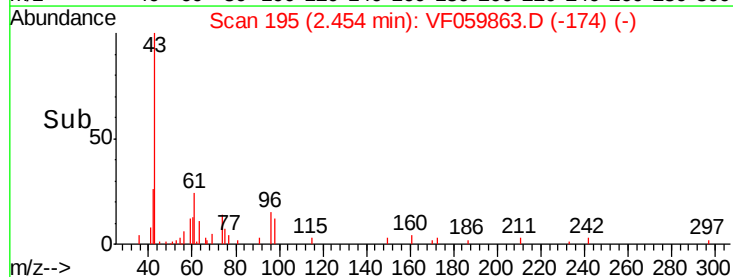
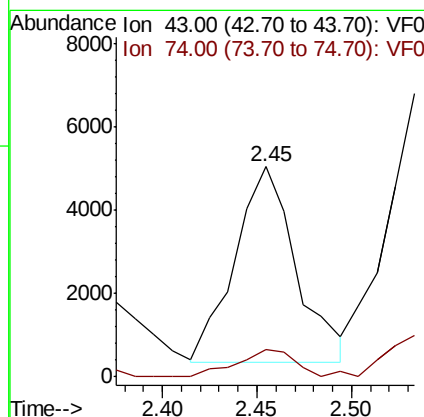
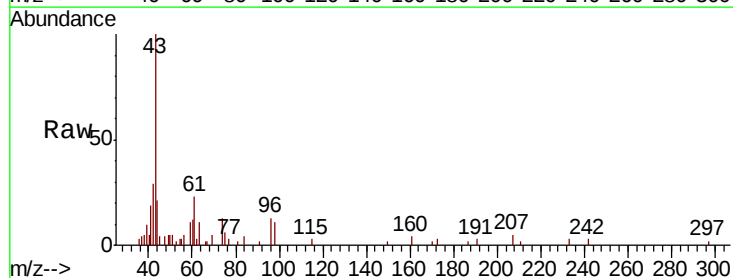
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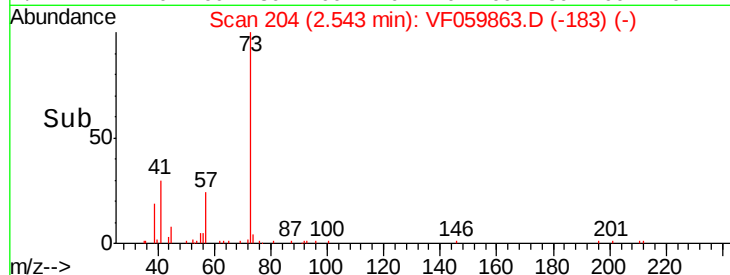
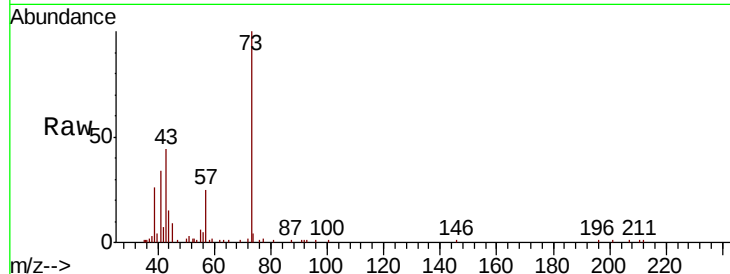
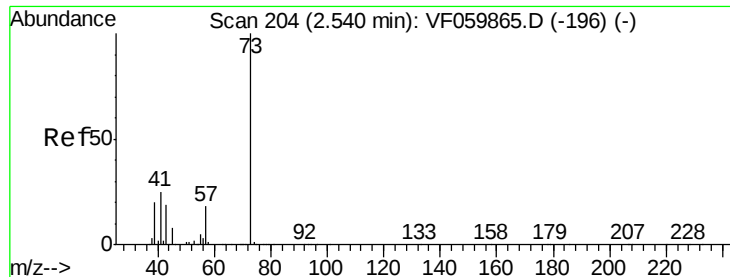
apatel
8/6/2018 10:25:45 AM



#18
Methyl Acetate
Concen: 9.42 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion: 43 Resp: 10542
Ion Ratio Lower Upper
43 100
74 13.0 16.3 24.5#





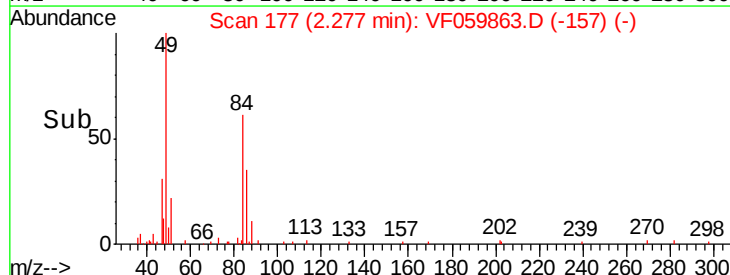
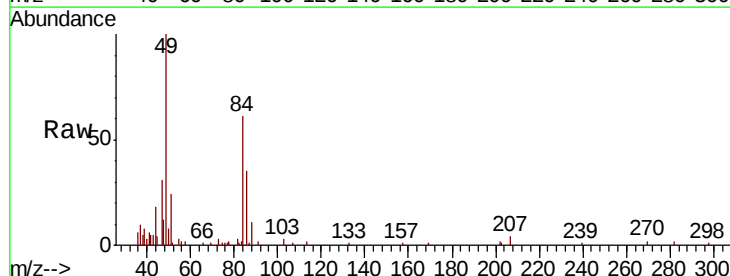
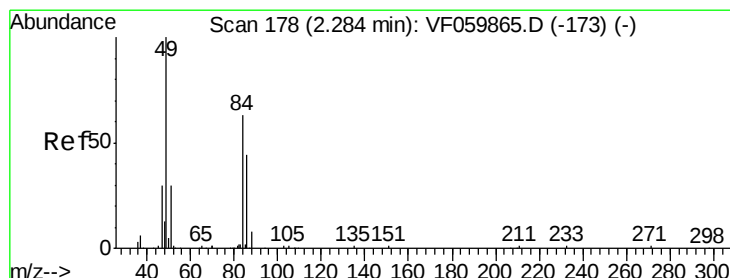
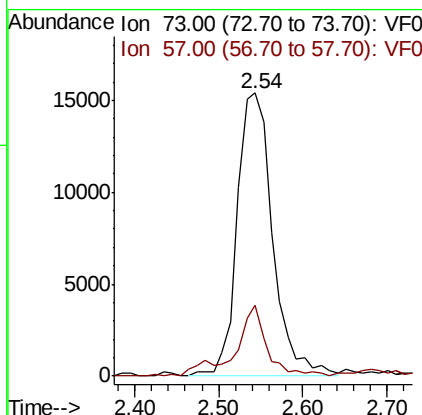
#19
Methvl tert-butvl Ether
Concen: 10.32 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tot Ion: 73 Resp: 45468
Ion Ratio Lower Upper
73 100
57 24.9 14.3 21.5#

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

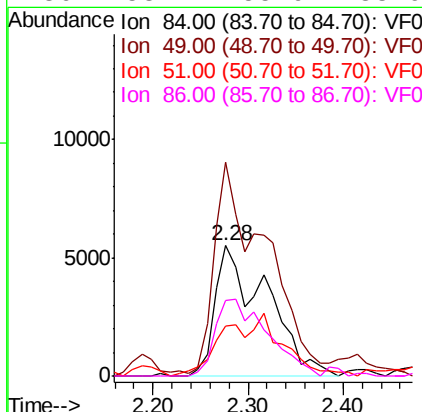
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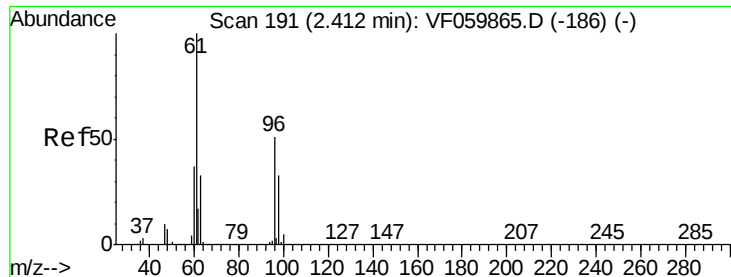
apatel
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#20
Methylene Chloride
Concen: 12.04 ug/l m
RT: 2.28 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion: 84 Resp: 20661
Ion Ratio Lower Upper
84 100
49 164.2 128.7 193.1
51 38.7 39.3 58.9#
86 58.2 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 10.94 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

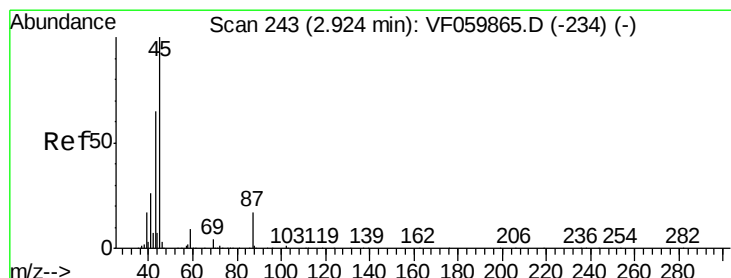
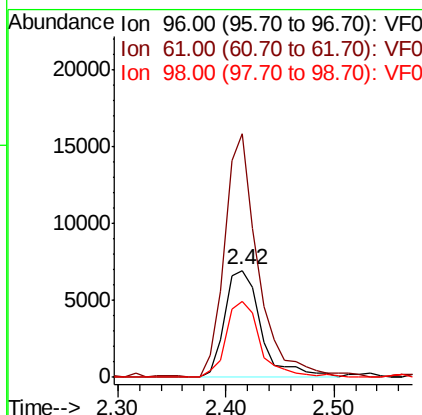
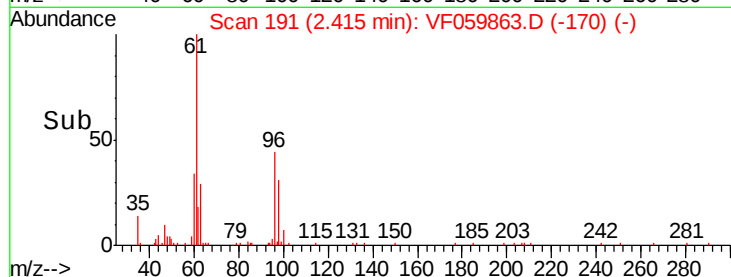
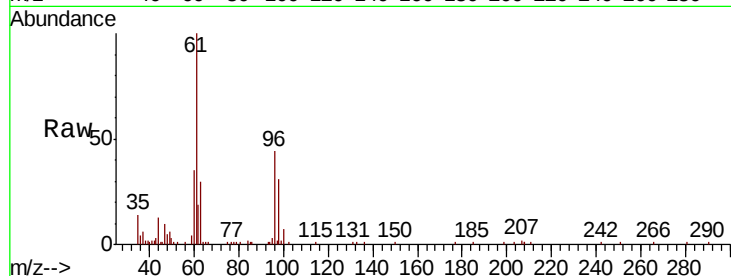
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	16267
Ion	Ratio	Lower	Upper
96	100		
61	228.2	158.2	237.4
98	71.5	52.0	78.0

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#22

Diisopropyl ether

Concen: 10.46 ug/l

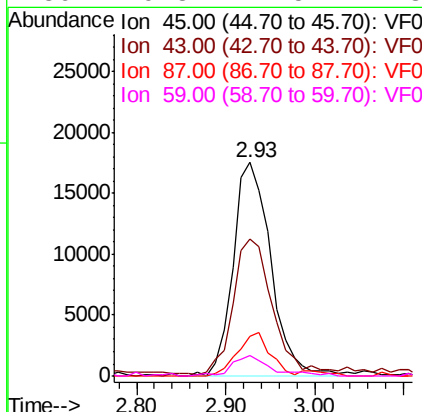
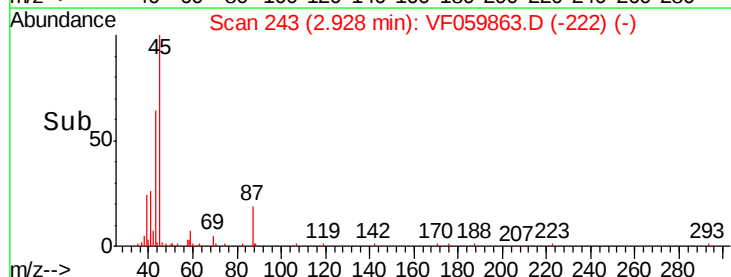
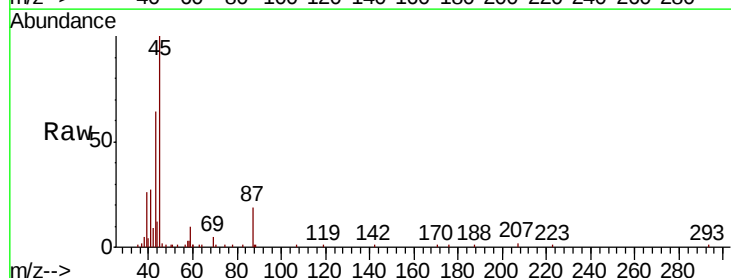
RT: 2.93 min Scan# 243

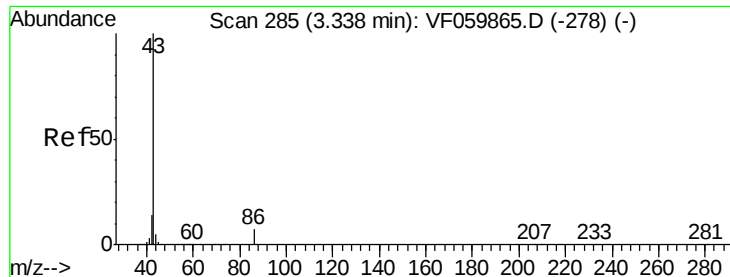
Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion:	45	Resp:	51612
Ion	Ratio	Lower	Upper
45	100		
43	64.1	52.1	78.1
87	18.6	13.8	20.8
59	9.8	7.5	11.3





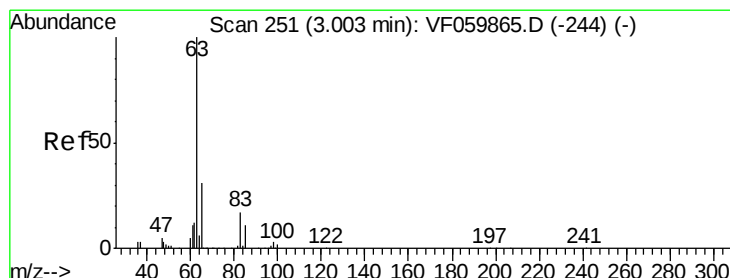
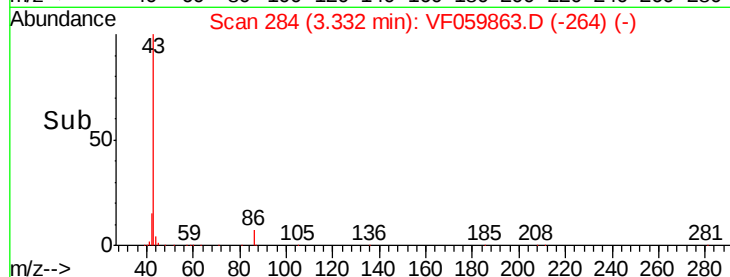
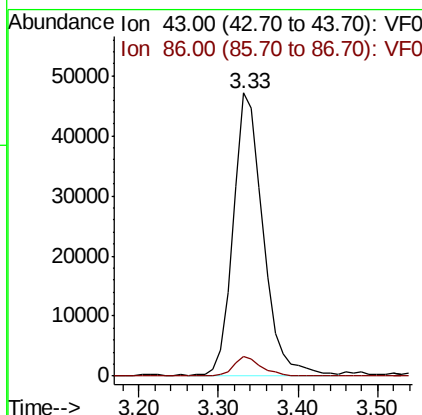
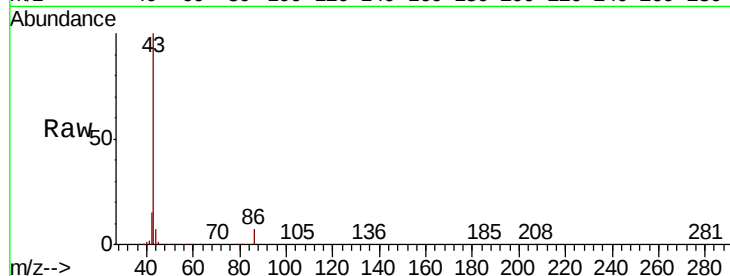
#23
 Vinyl Acetate
 Concen: 48.93 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
43	100	122646		
86	6.8	5.6	8.4	

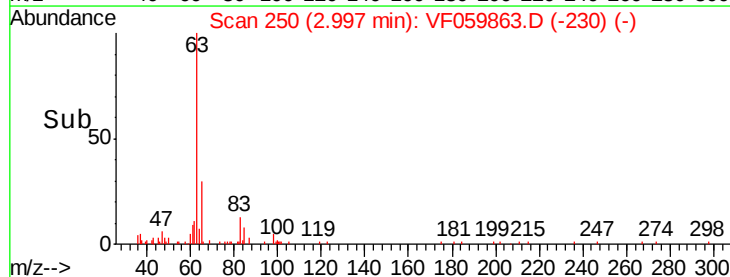
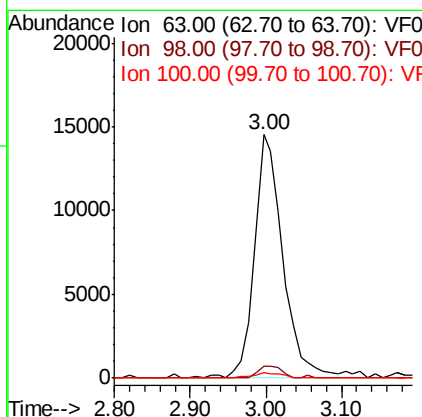
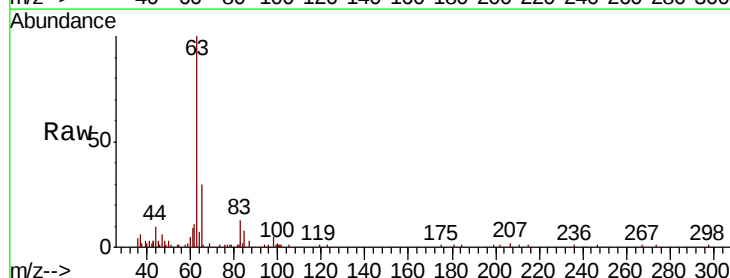
Manual Integrations
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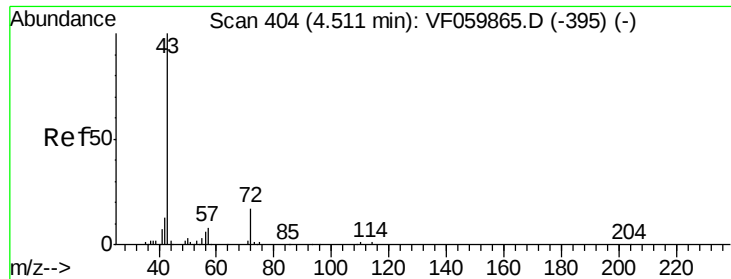
apatel
 8/6/2018 10:25:45 AM



#24
 1,1-Dichloroethane
 Concen: 11.03 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	38178		
98	5.1	1.9	5.7	
100	3.5	1.1	3.5#	





#25

2-Butanone

Concen: 49.60 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 32019

Ion Ratio Lower Upper

43 100

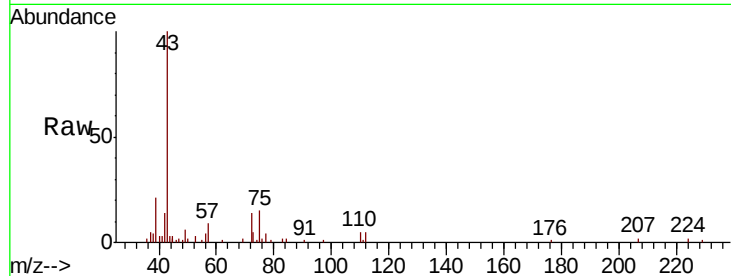
72 14.2 13.9 20.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.50

10000

8000

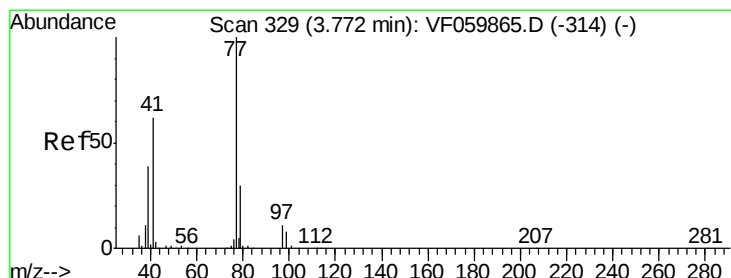
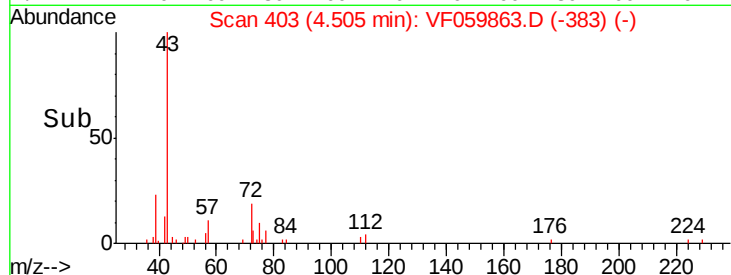
6000

4000

2000

0

Time-->



#26

2,2-Dichloropropane

Concen: 9.42 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059863.D

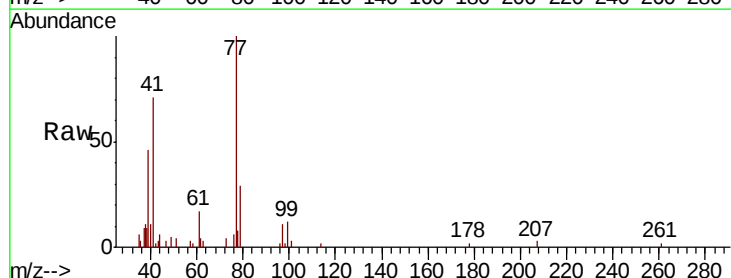
Acq: 4 Aug 2018 3:49

Tgt Ion: 77 Resp: 22442

Ion Ratio Lower Upper

77 100

97 10.6 6.8 20.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.77

8000

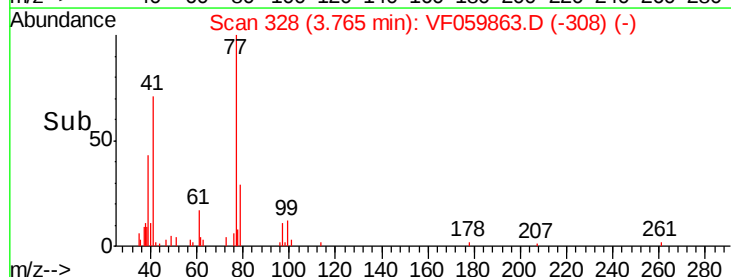
6000

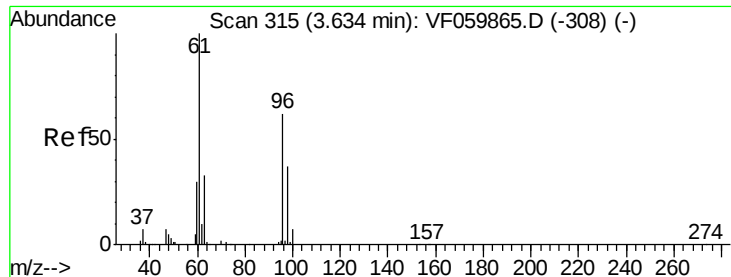
4000

2000

0

Time-->





#27

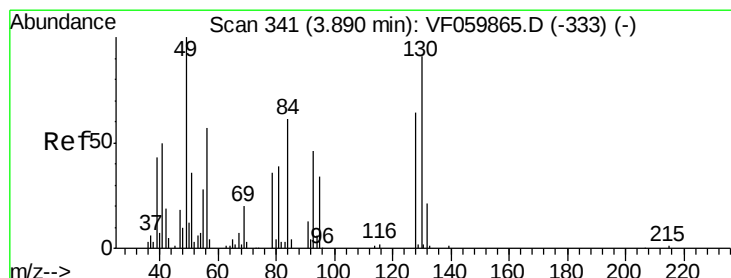
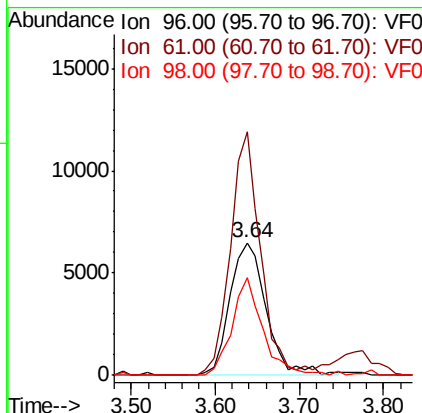
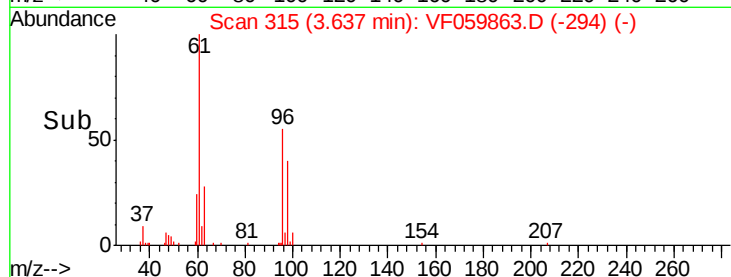
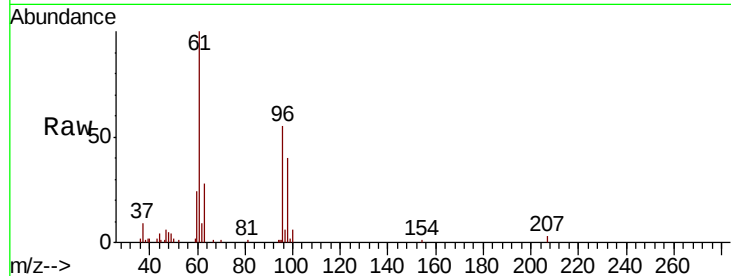
cis-1,2-Dichloroethene
Concen: 10.71 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		19518		
61	183.4	0.0	320.8		
98	73.4	0.0	117.6		

Manual Integrations
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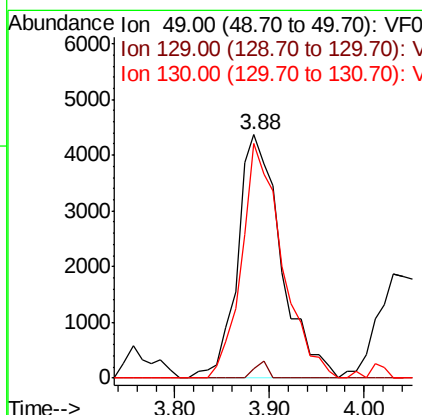
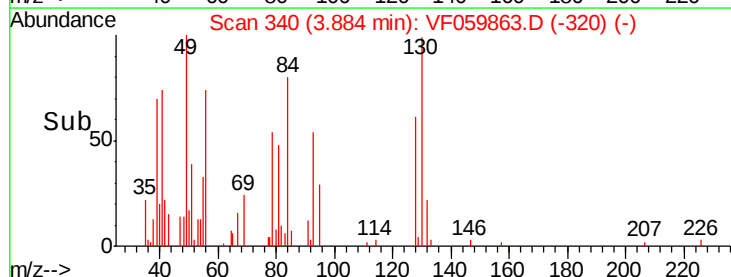
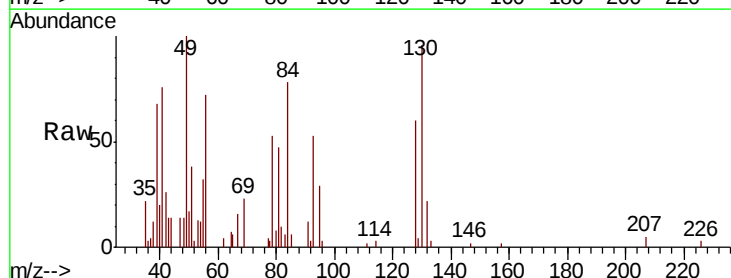
apatel
8/6/2018 10:25:45 AM

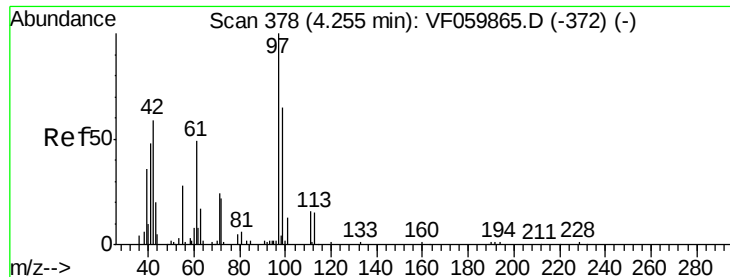


#28

Bromochloromethane
Concen: 10.40 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		13965		
129	3.8	0.0	4.6		
130	96.3	73.8	110.8		





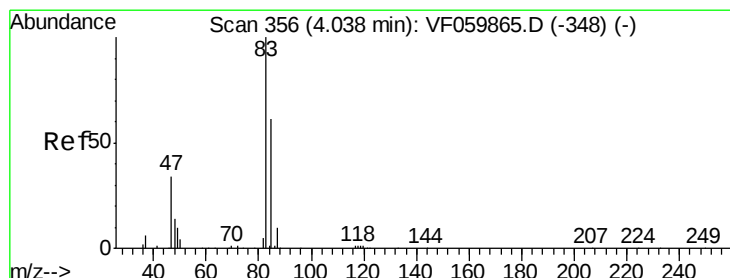
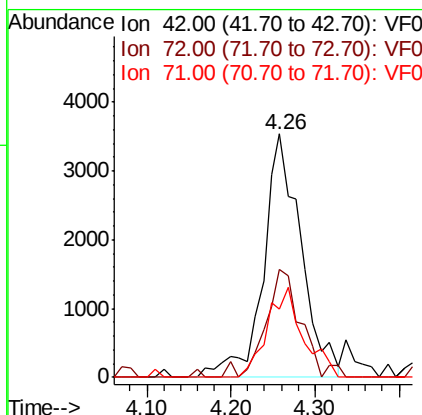
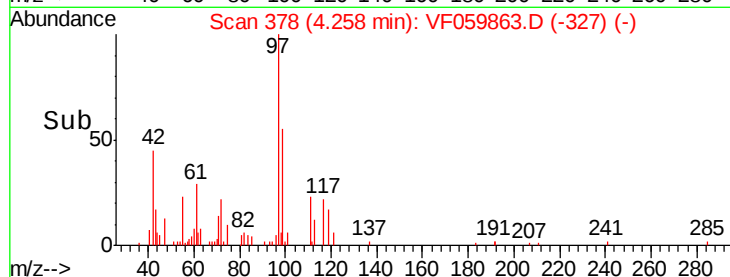
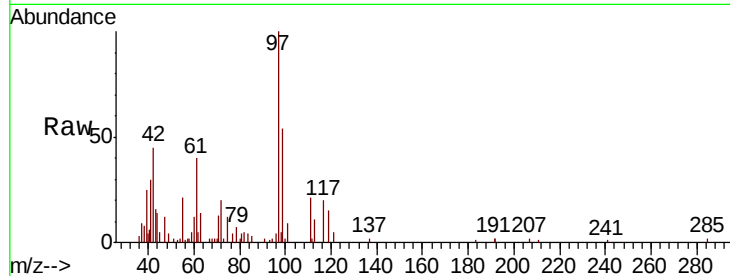
#29
Tetrahydrofuran
Concen: 43.35 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	29.3	43.9
71	35.2	30.0	45.0

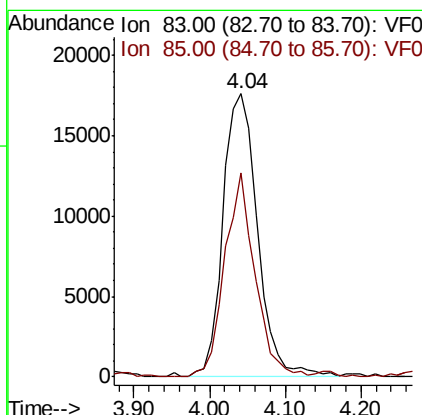
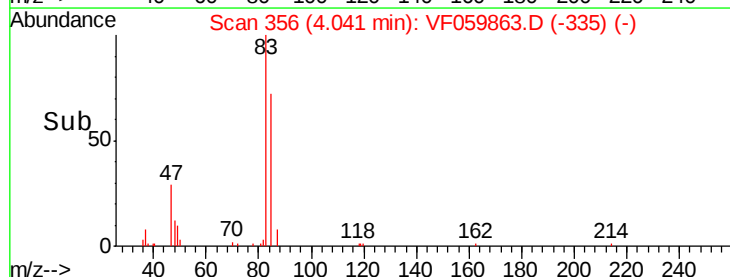
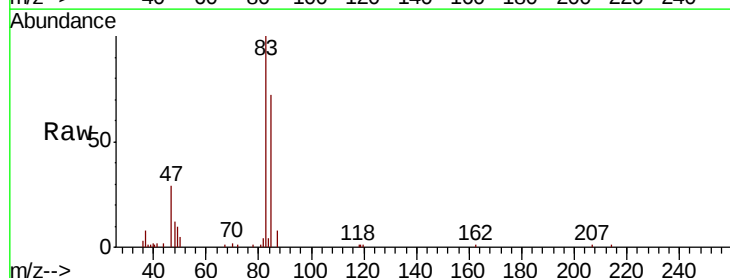
Manual Integrations
APPROVED

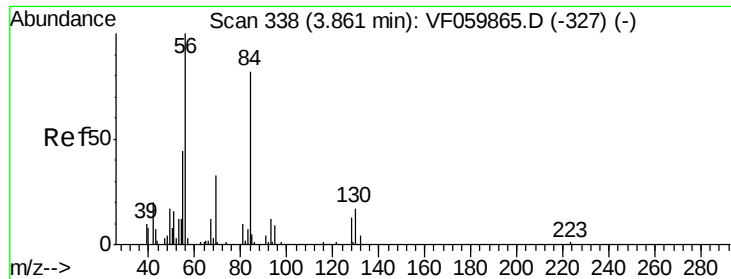
apatel
8/6/2018 10:25:45 AM



#30
Chloroform
Concen: 11.54 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.1	49.3	73.9





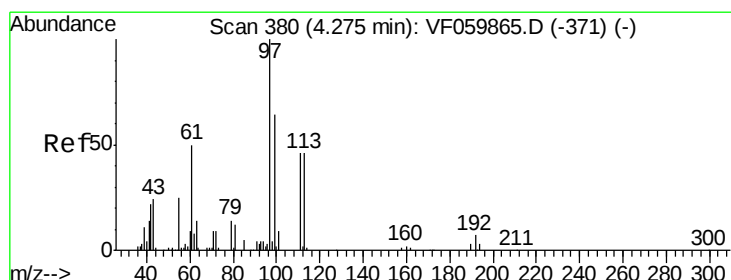
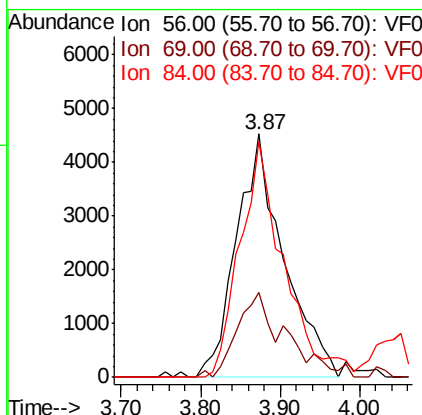
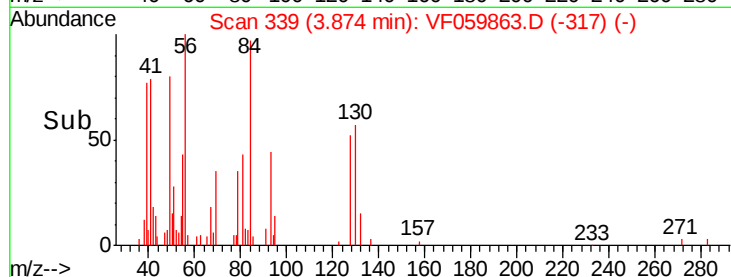
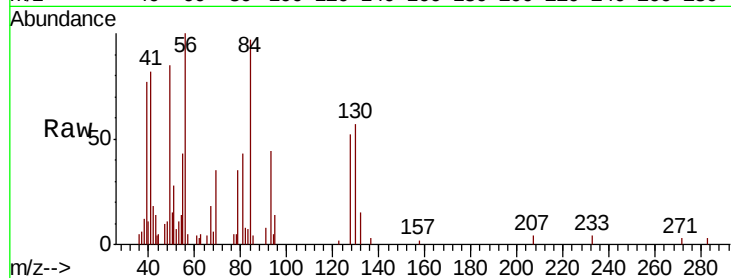
#31
Cyclohexane
Concen: 9.92 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	26.7	40.1
84	96.7	65.9	98.9

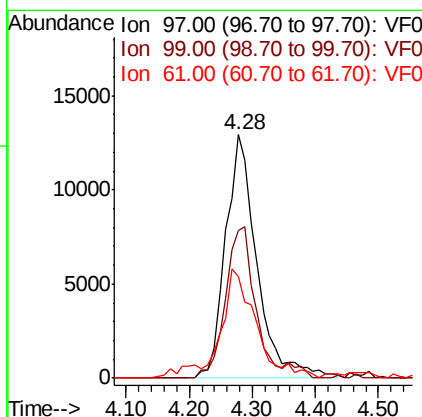
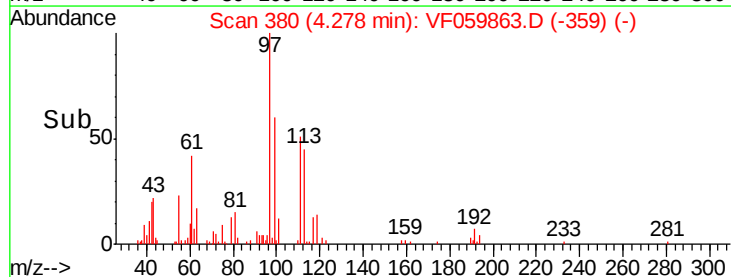
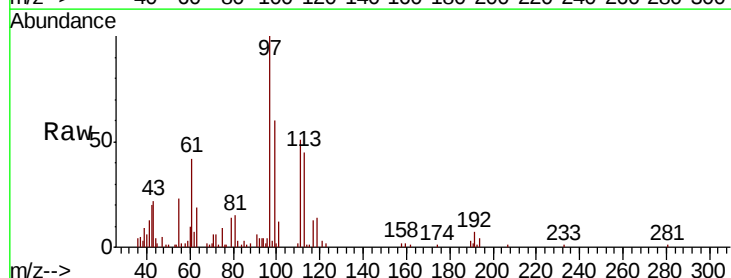
Manual Integrations
APPROVED

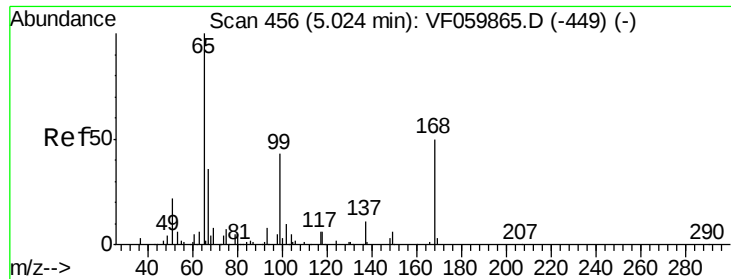
apatel
8/6/2018 10:25:45 AM



#32
1,1,1-Trichloroethane
Concen: 11.80 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.4	77.2
61	41.6	40.8	61.2





#33

1,2-Dichloroethane-d4

Concen: 9.88 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tot Ion: 65 Resp: 32986

Ion Ratio Lower Upper

65 100

67 44.7 0.0 77.2

Instrument :

MSVOA_F

ClientSampleId :

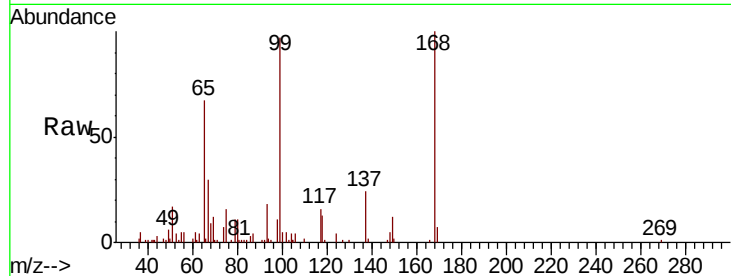
VSTDIC010

Manual Integrations

APPROVED

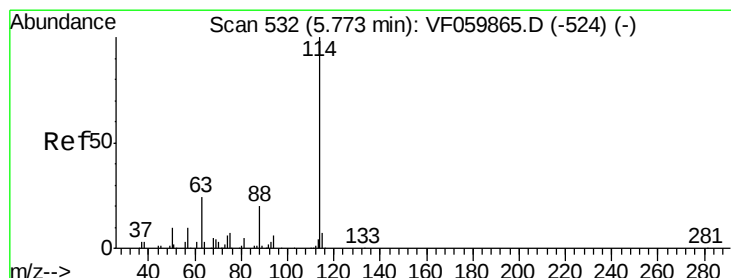
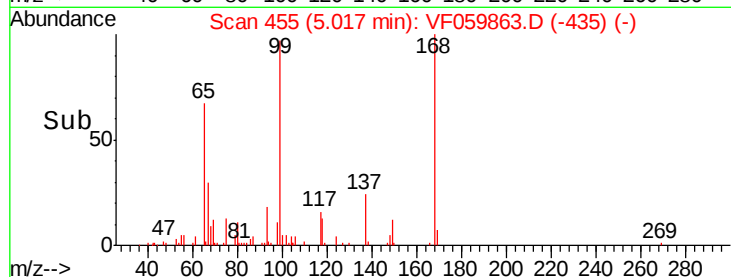
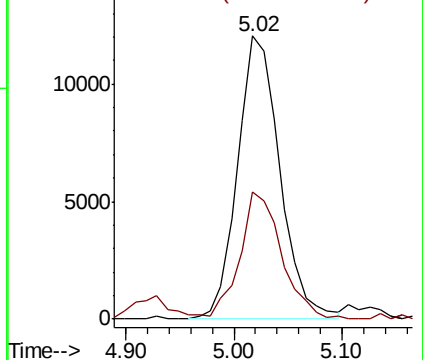
apatel

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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: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

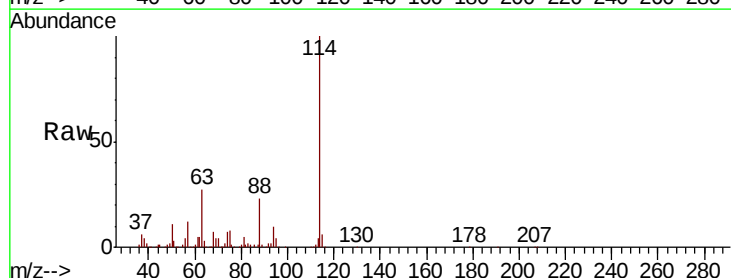
Tgt Ion: 114 Resp: 261750

Ion Ratio Lower Upper

114 100

63 26.6 0.0 48.0

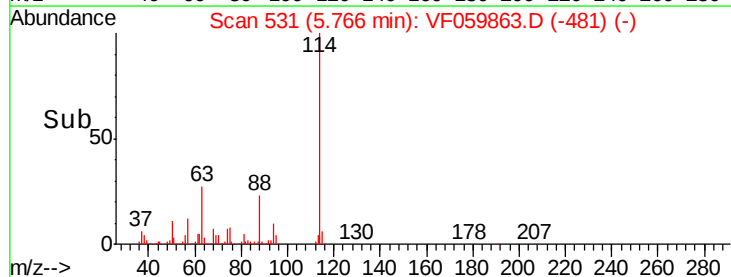
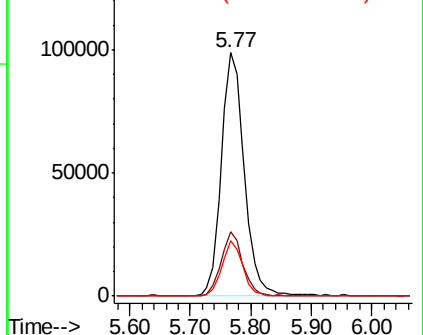
88 23.0 0.0 39.4

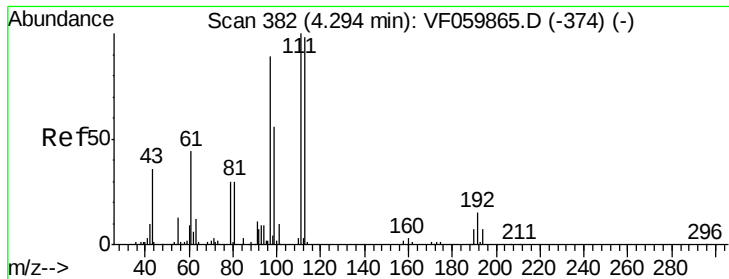


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 9.55 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059863.D

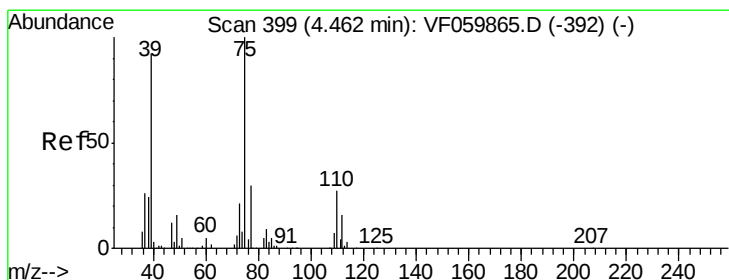
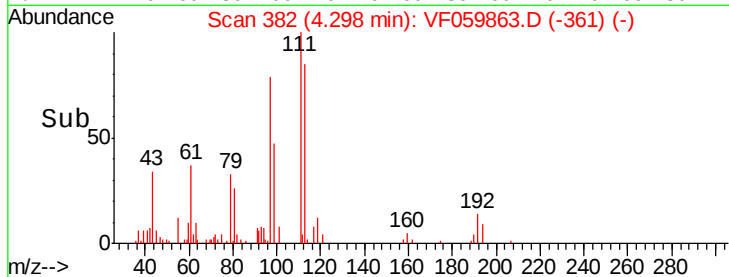
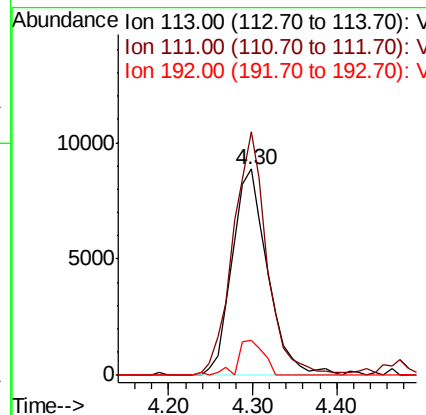
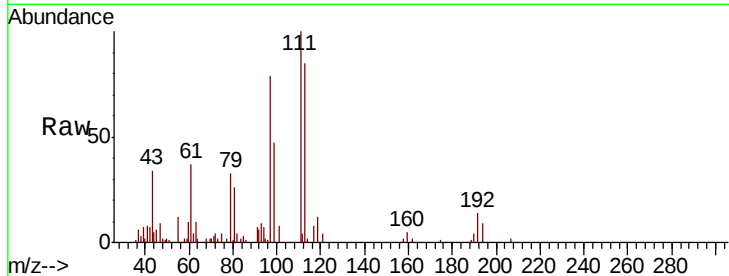
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	118.2	81.8	122.8
192	16.8	12.4	18.6

Manual Integrations
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apatel
8/6/2018 10:25:45 AM



#36

1,1-Dichloropropene

Concen: 9.73 ug/l

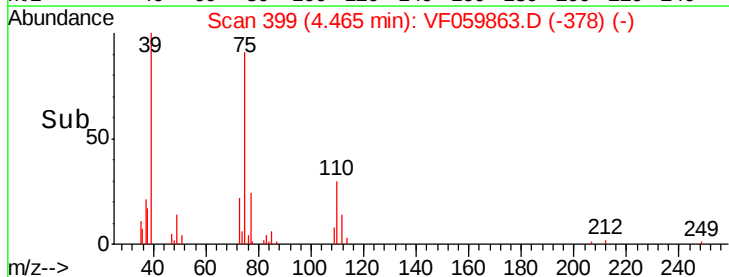
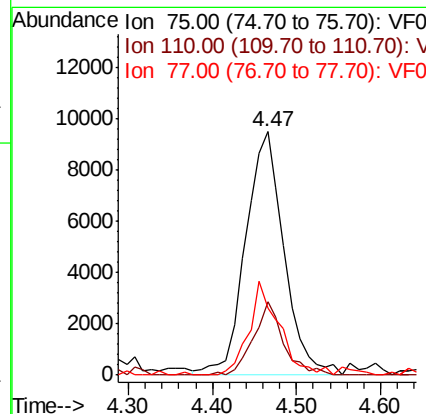
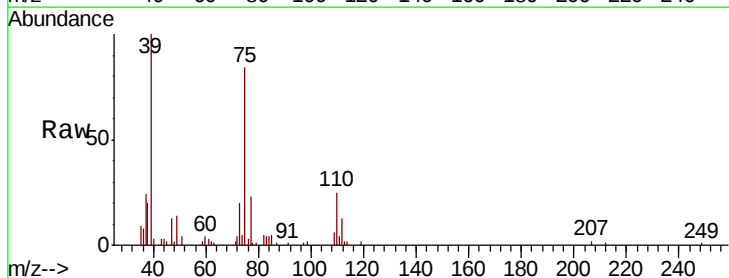
RT: 4.47 min Scan# 399

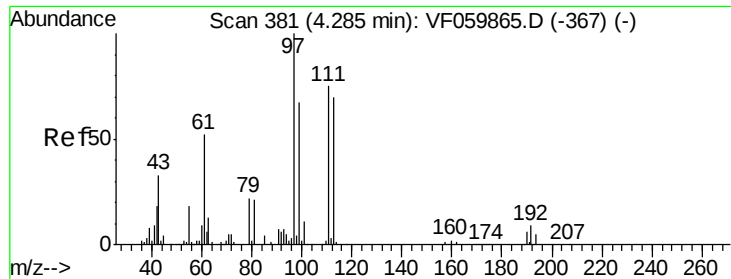
Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.0	13.6	40.7
77	27.5	23.7	35.5





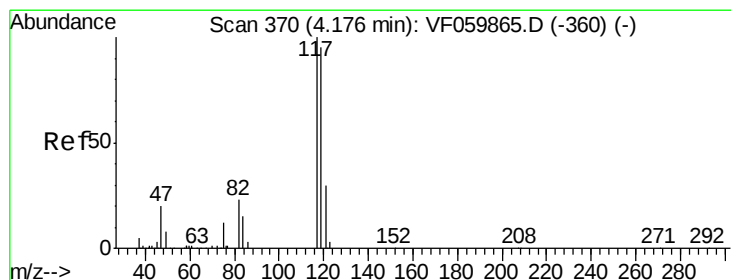
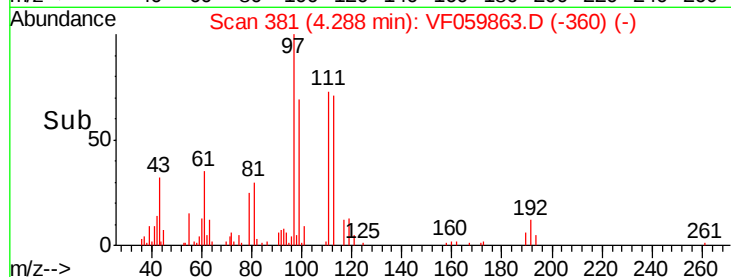
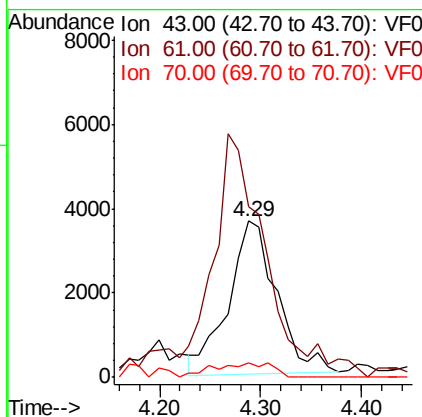
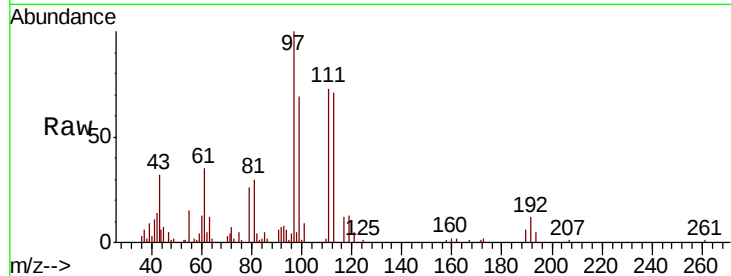
#37
Ethyl Acetate
Concen: 7.95 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	109.7	123.7	185.5#
70	9.5	7.8	11.8

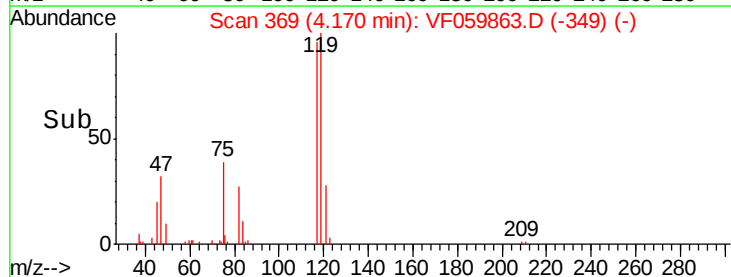
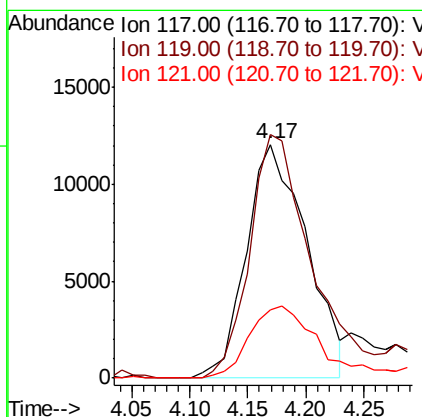
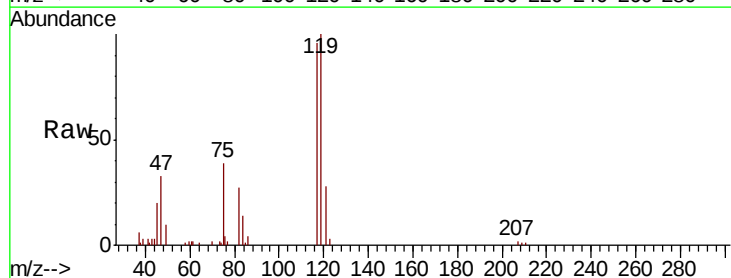
Manual Integrations
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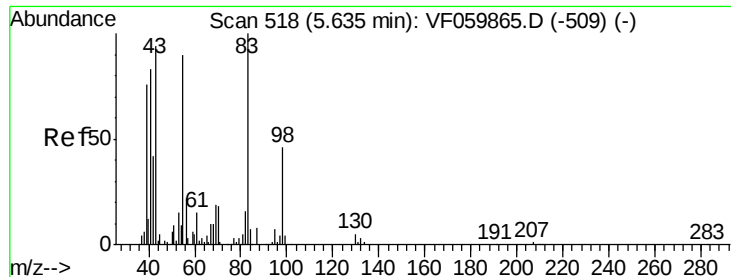
apatel
8/6/2018 10:25:45 AM



#38
Carbon Tetrachloride
Concen: 10.15 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.3	76.5	114.7
121	29.0	23.8	35.8





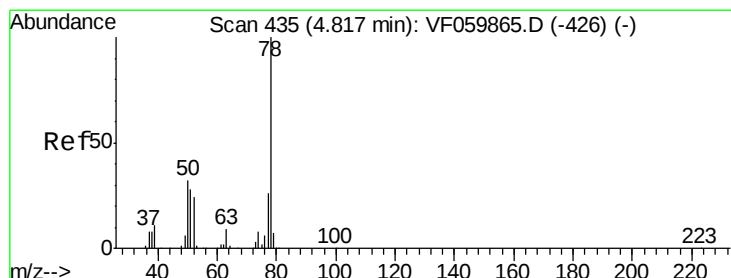
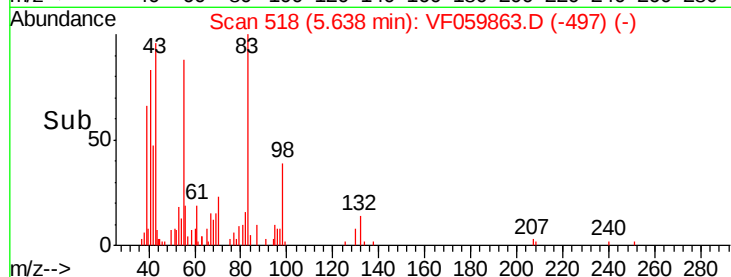
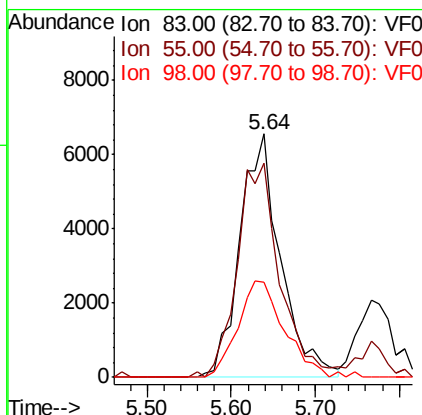
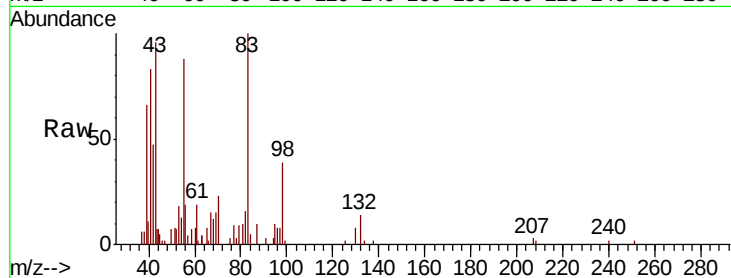
#39
Methvlcvclohexane
Concen: 9.43 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.7	72.0	108.0
98	39.3	36.6	54.8

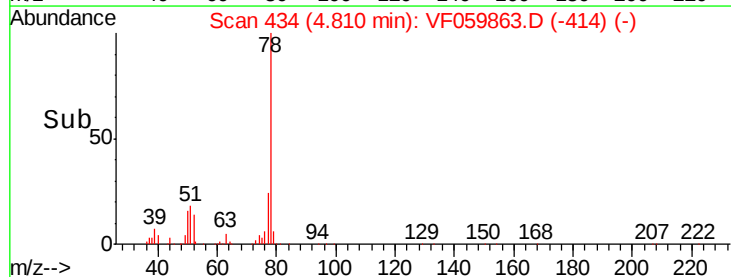
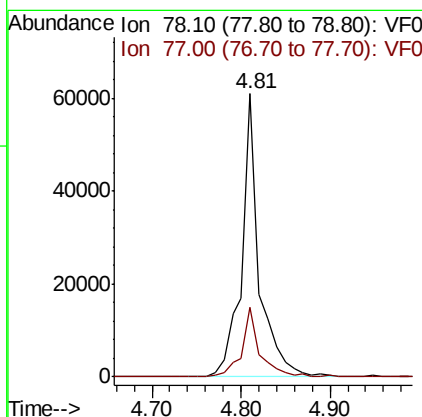
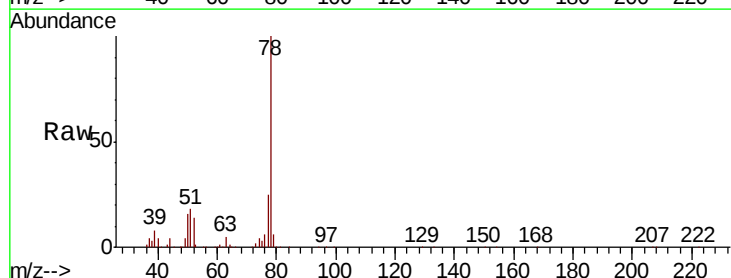
Manual Integrations
APPROVED

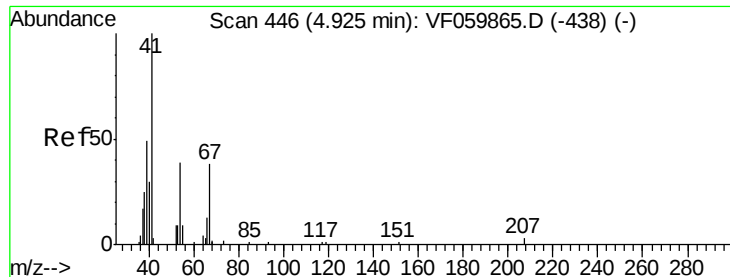
apatel
8/6/2018 10:25:45 AM



#40
Benzene
Concen: 15.31 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	20.7	31.1





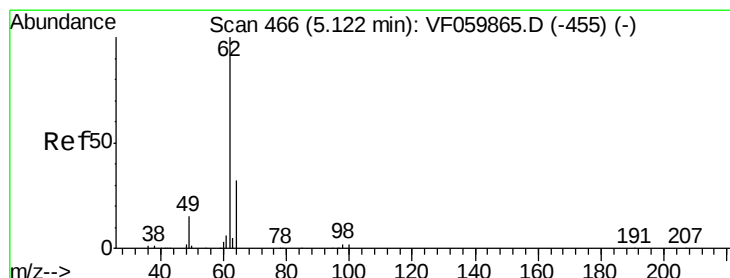
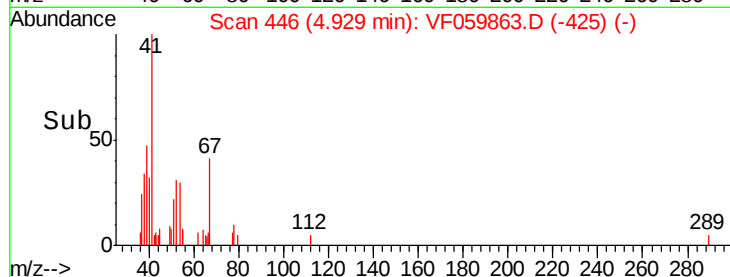
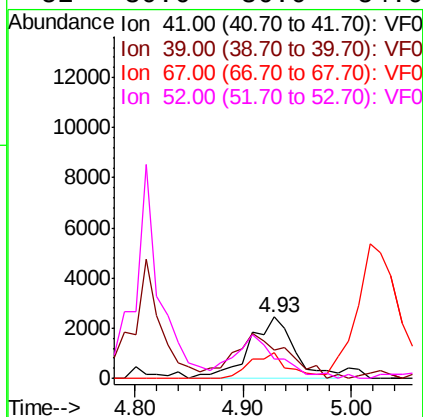
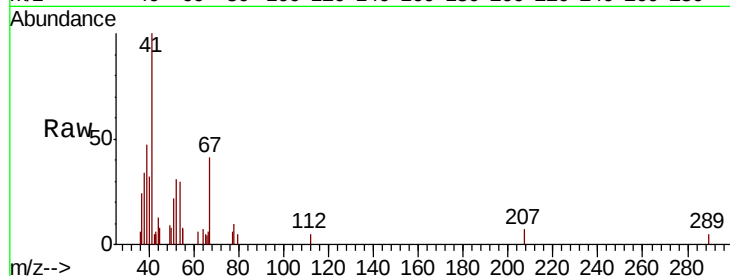
#41
Methacrylonitrile
Concen: 9.35 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	6961
Ion	Ratio	Lower	Upper
41	100		
39	46.5	55.1	82.7#
67	41.0	30.3	45.5
52	30.6	36.0	54.0#

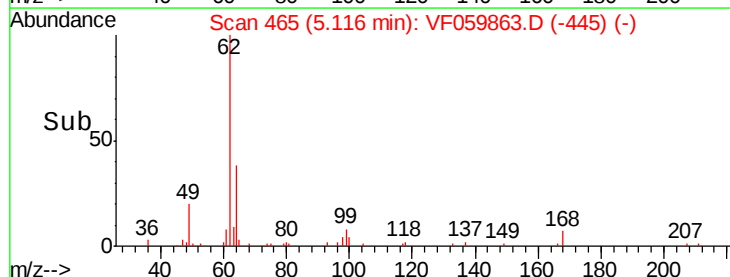
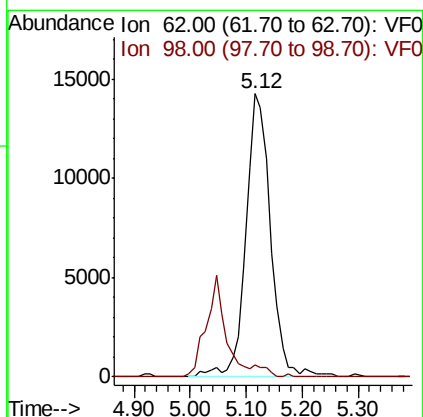
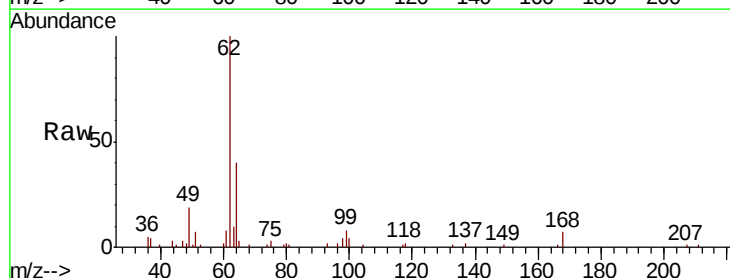
Manual Integrations
APPROVED

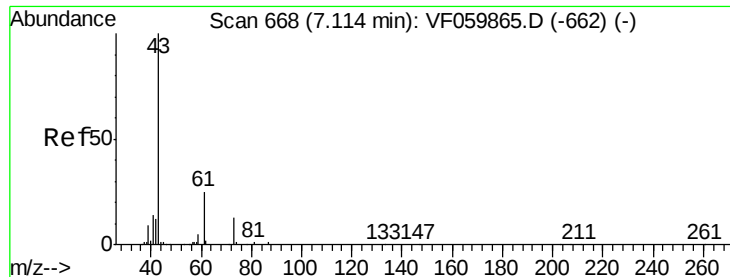
apatel
8/6/2018 10:25:45 AM



#42
1,2-Dichloroethane
Concen: 11.23 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion:	62	Resp:	43346
Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	7.6





#43

Isopropyl Acetate

Concen: 7.60 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

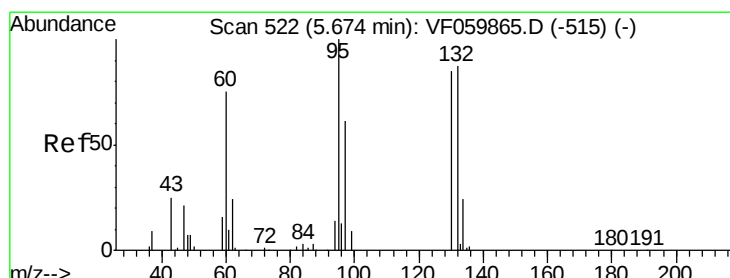
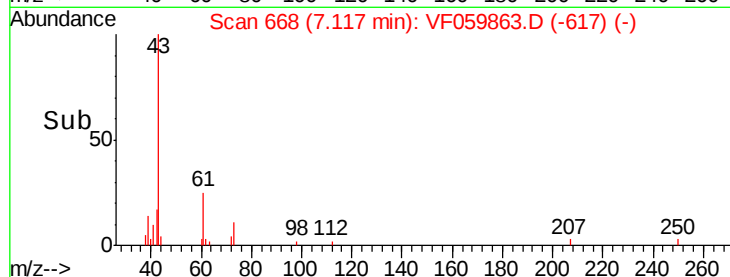
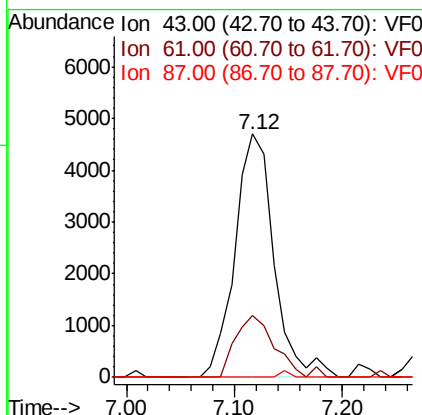
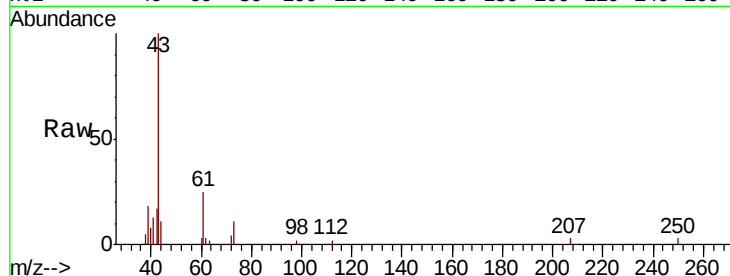
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	11803
Ion Ratio		Lower	Upper
43	100		
61	25.3	20.3	30.5
87	0.0	0.7	1.1#

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#44

Trichloroethene

Concen: 9.98 ug/l

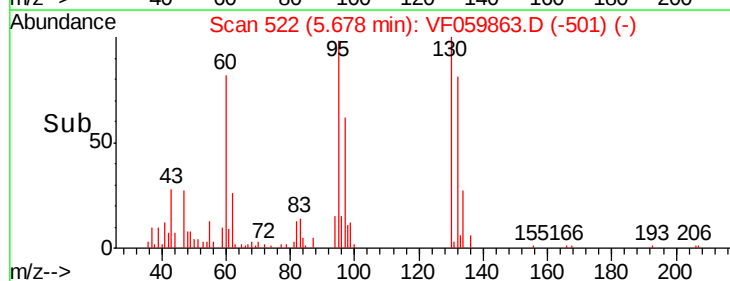
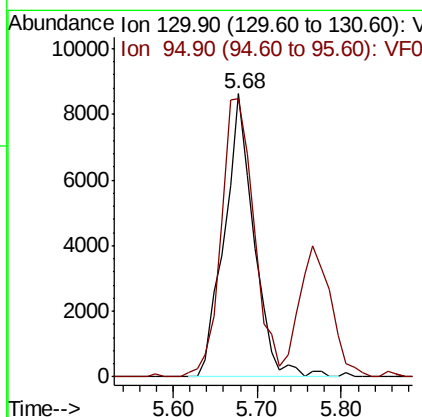
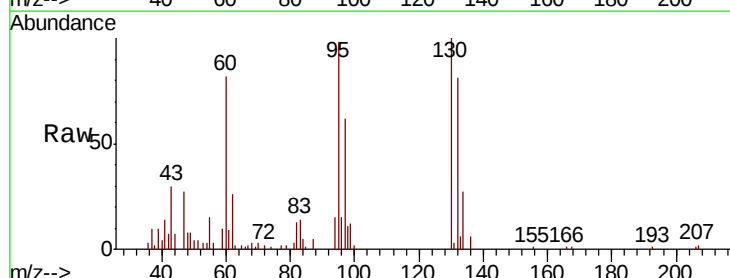
RT: 5.68 min Scan# 522

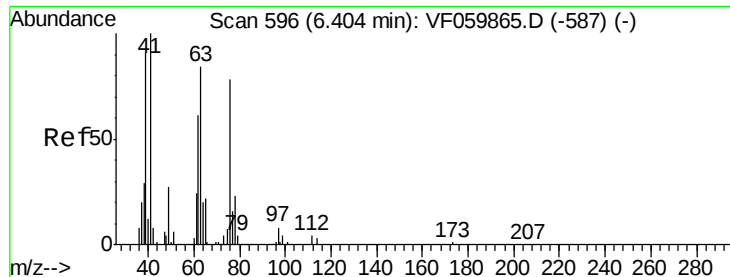
Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion:	130	Resp:	20921
Ion Ratio		Lower	Upper
130	100		
95	98.2	0.0	236.8





#45

1,2-Dichloropropane

Concen: 9.60 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tot Ion: 63 Resp: 13623

Ion Ratio Lower Upper

63 100

65 29.3 20.4 30.6

Instrument :

MSVOA_F

ClientSampleId :

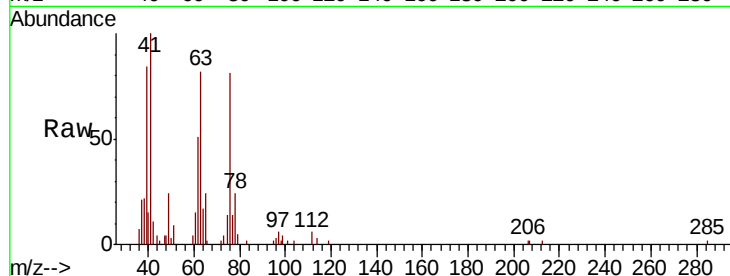
VSTDIC010

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.41

6000

5000

4000

3000

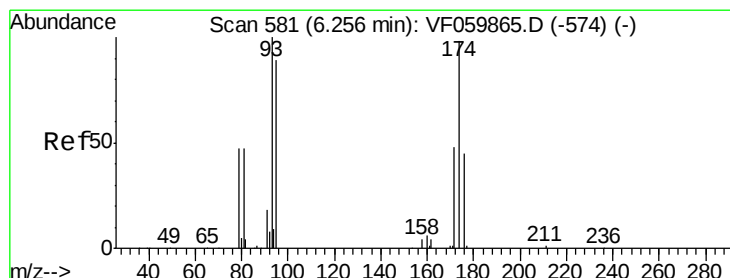
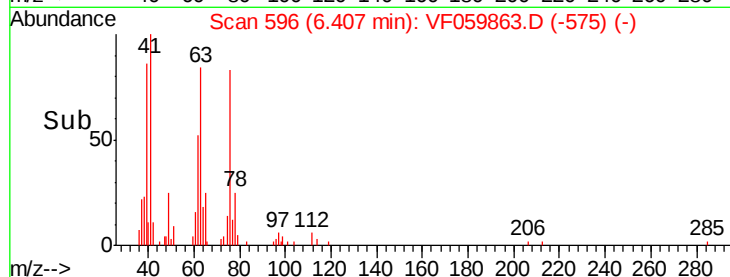
2000

1000

0

6.30 6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 11.17 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

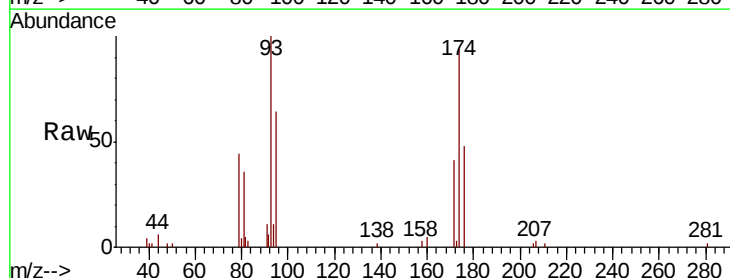
Tgt Ion: 93 Resp: 15099

Ion Ratio Lower Upper

93 100

95 64.0 71.4 107.2#

174 93.6 78.1 117.1



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

6.26

8000

6000

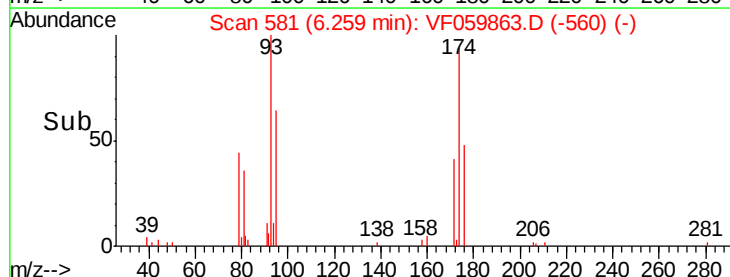
4000

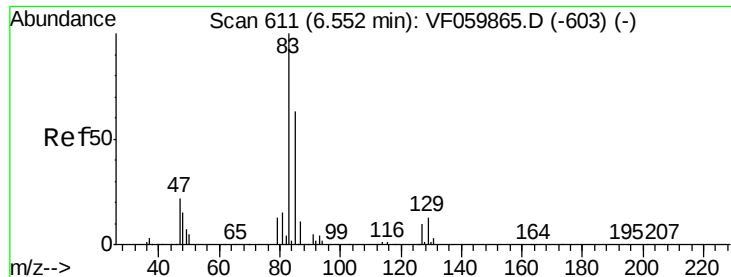
2000

0

6.20 6.30

Time-->





#47

Bromodichloromethane

Concen: 10.50 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

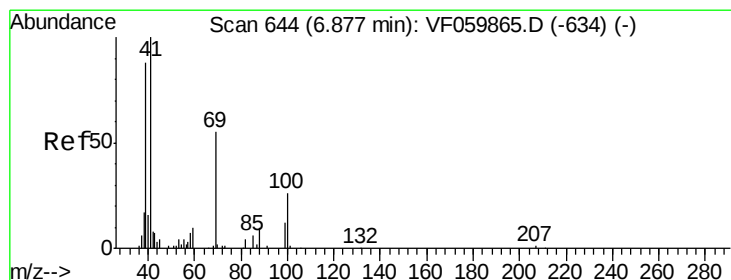
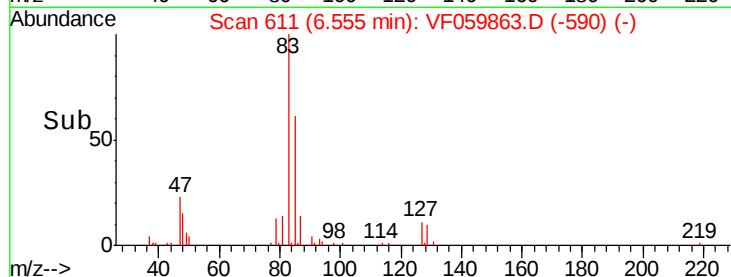
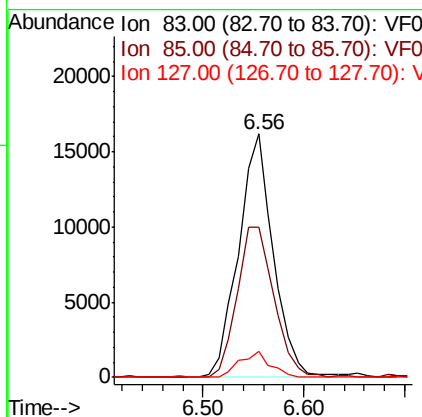
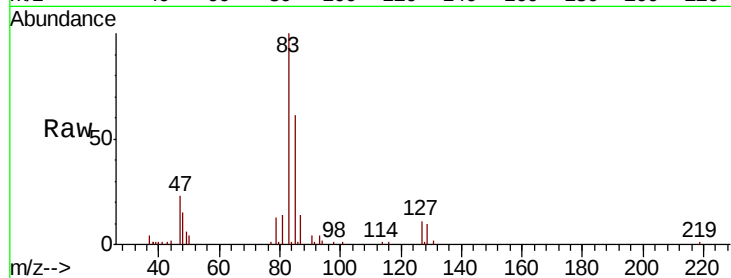
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	38927
Ion	Ratio	Lower	Upper
83	100		
85	61.4	50.7	76.1
127	10.6	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 8.10 ug/l m

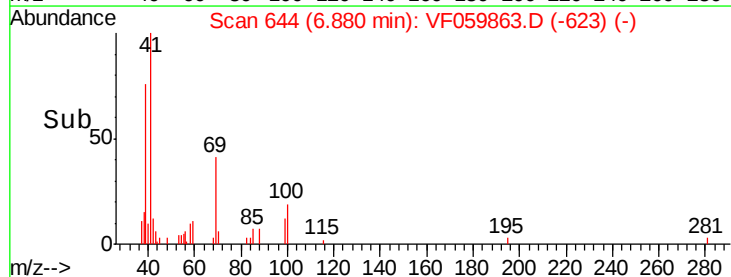
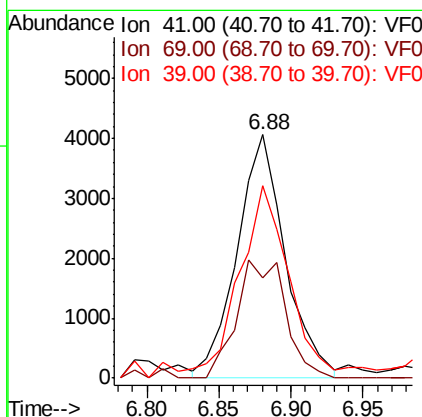
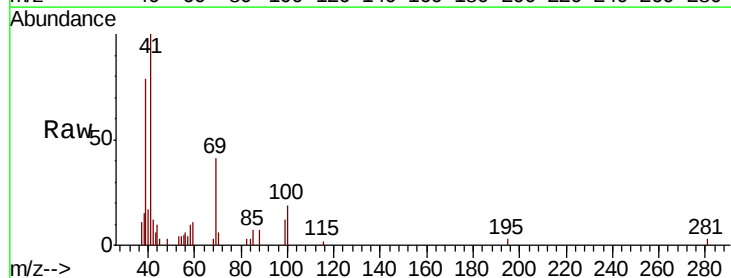
RT: 6.88 min Scan# 644

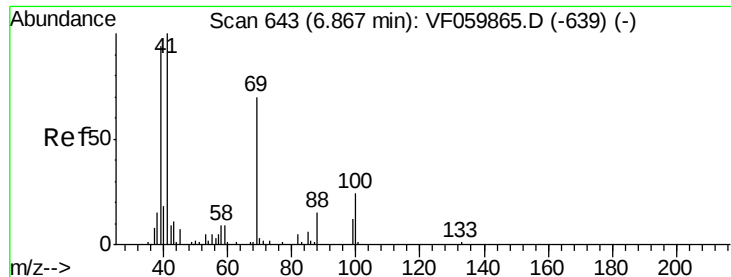
Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion:	41	Resp:	9524
Ion	Ratio	Lower	Upper
41	100		
69	41.1	44.4	66.6#
39	78.9	70.6	106.0





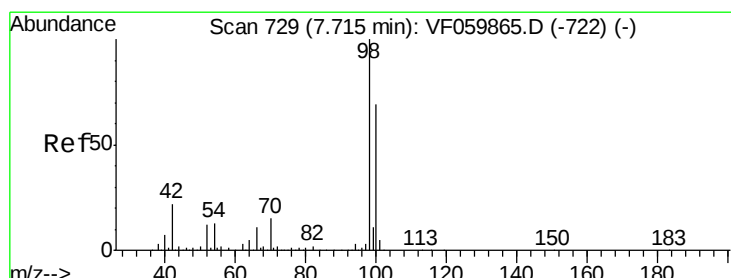
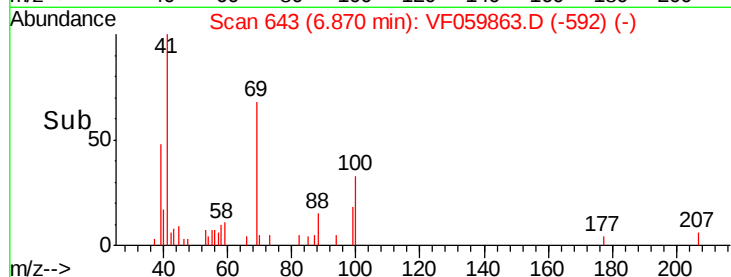
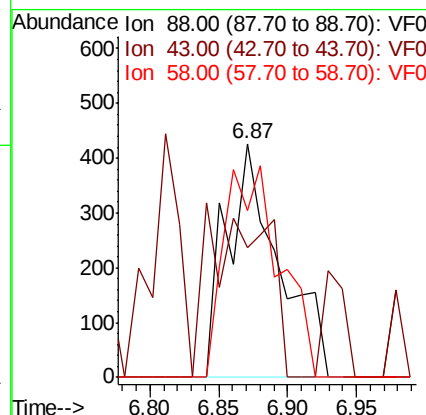
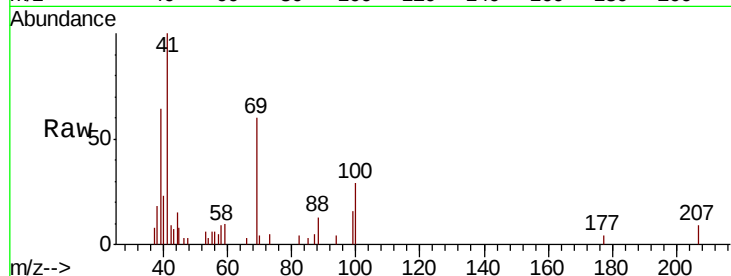
#49
1,4-Dioxane
Concen: 125.11 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.9	58.3	87.5#
58	71.6	49.4	74.2

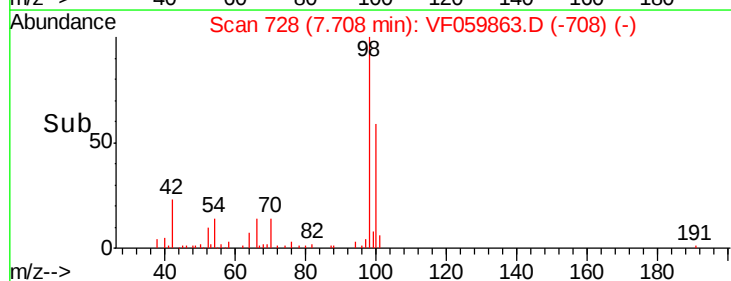
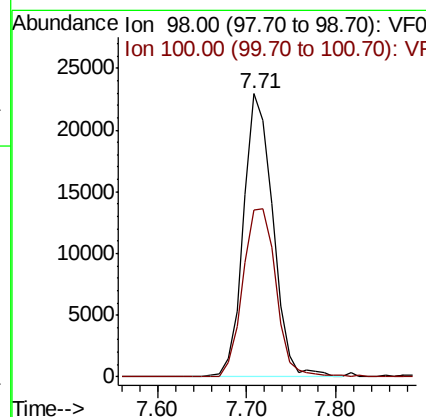
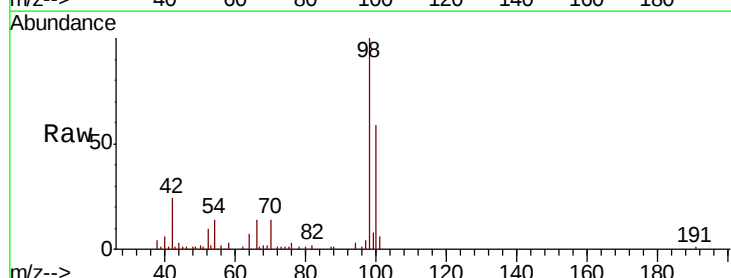
Manual Integrations
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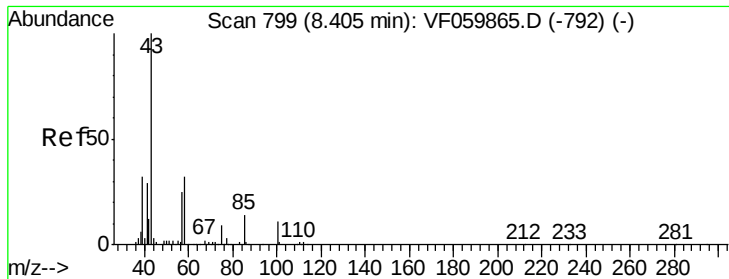
apatel
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#50
Toluene-d8
Concen: 8.33 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	59.0	55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 56.56 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 69864

Ion Ratio Lower Upper

43 100

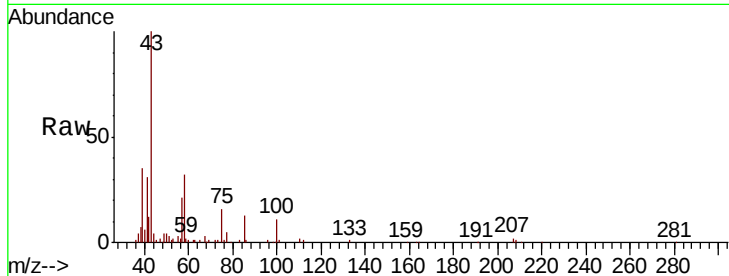
58 31.8 25.4 38.0

Manual Integrations

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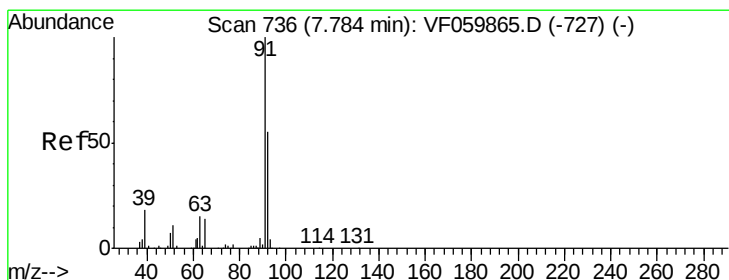
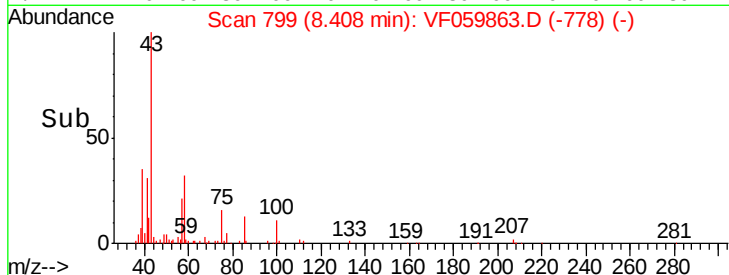
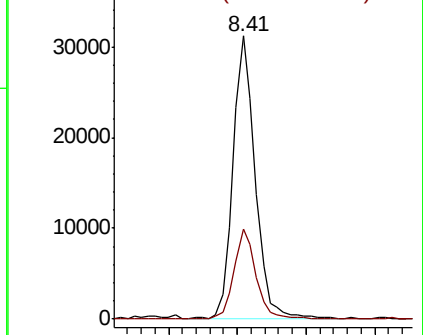
apatel

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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: 9.60 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059863.D

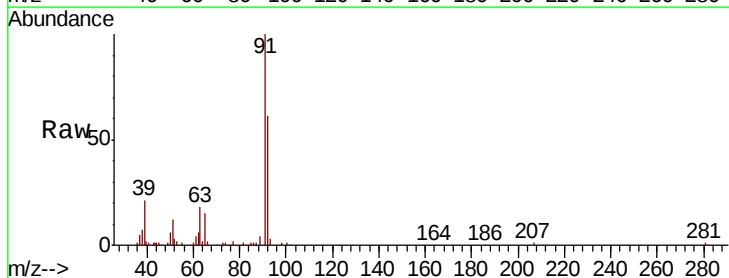
Acq: 4 Aug 2018 3:49

Tgt Ion: 92 Resp: 38504

Ion Ratio Lower Upper

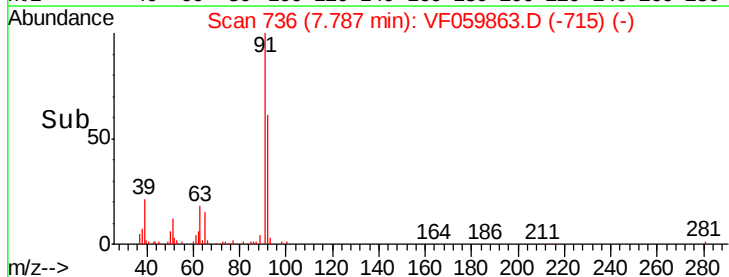
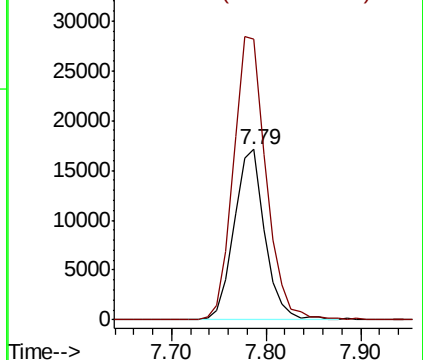
92 100

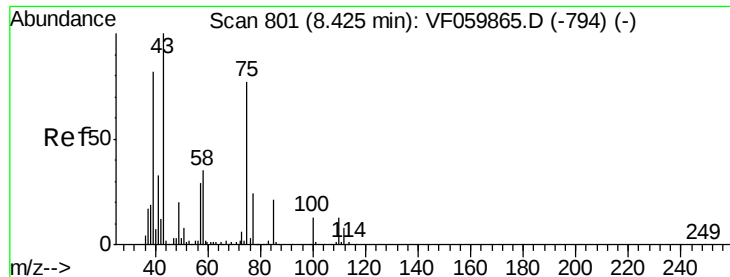
91 165.1 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





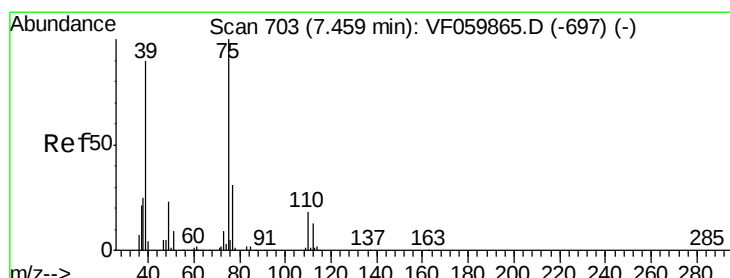
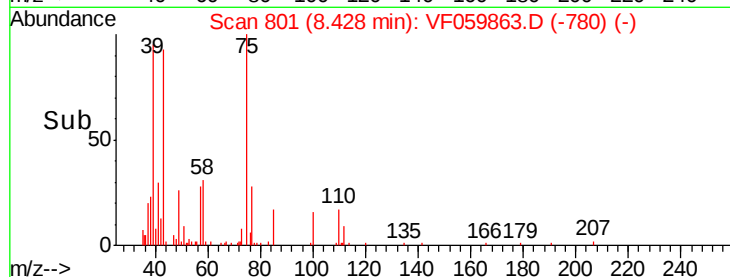
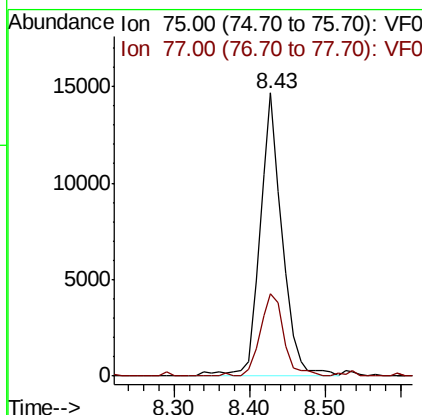
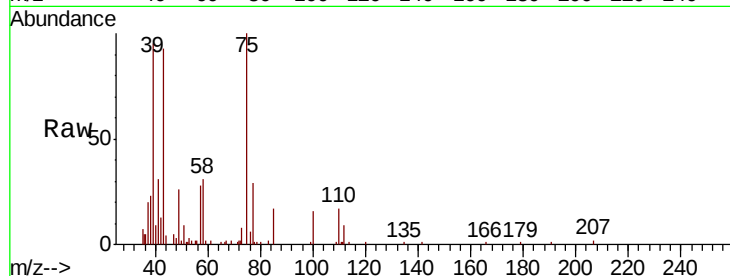
#53
 t-1,3-Dichloropropene
 Concen: 9.57 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 30143
 Ion Ratio Lower Upper
 75 100
 77 29.1 24.5 36.7

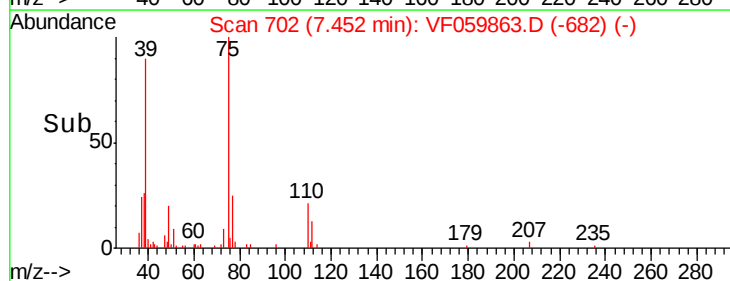
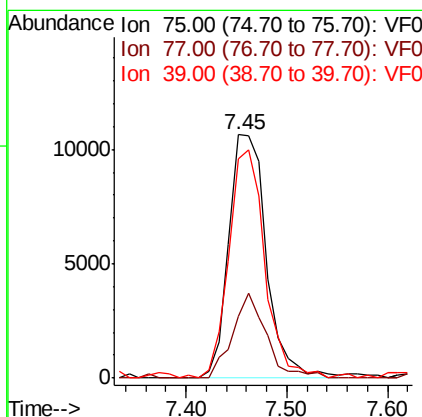
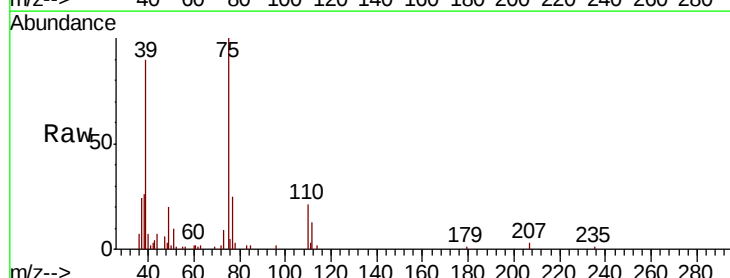
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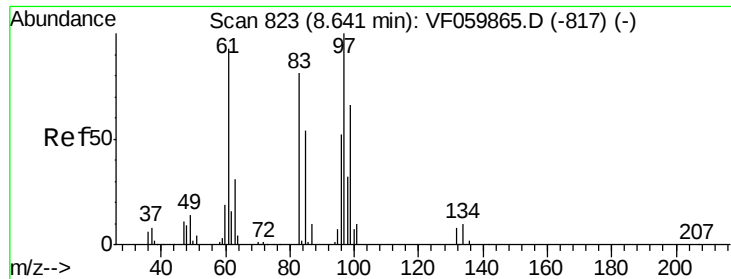
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#54
 cis-1,3-Dichloropropene
 Concen: 8.95 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion: 75 Resp: 27611
 Ion Ratio Lower Upper
 75 100
 77 25.2 24.7 37.1
 39 89.9 72.0 108.0





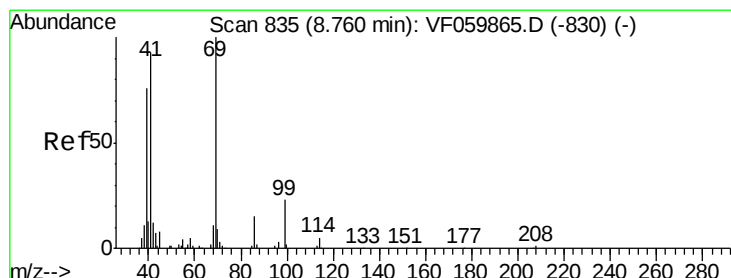
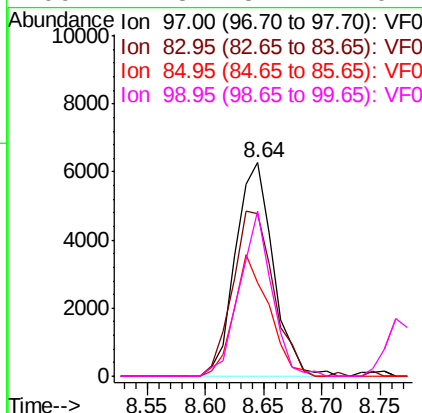
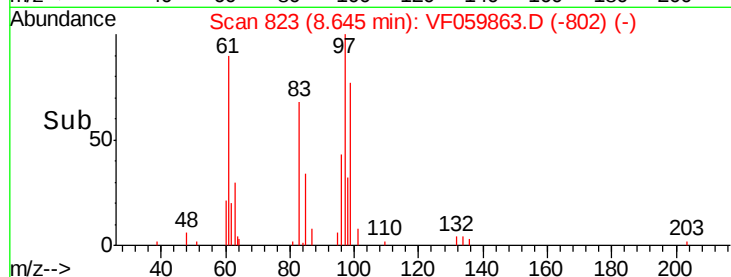
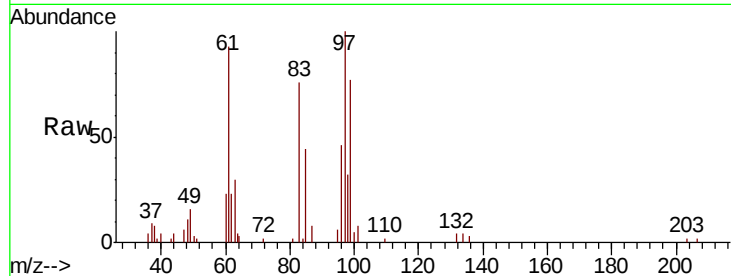
#55
 1,1,2-Trichloroethane
 Concen: 9.81 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	14092
Ion	Ratio	Lower	Upper
97	100		
83	76.1	64.4	96.6
85	43.8	43.1	64.7
99	77.3	52.7	79.1

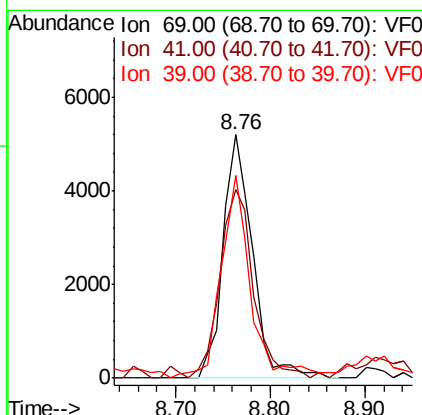
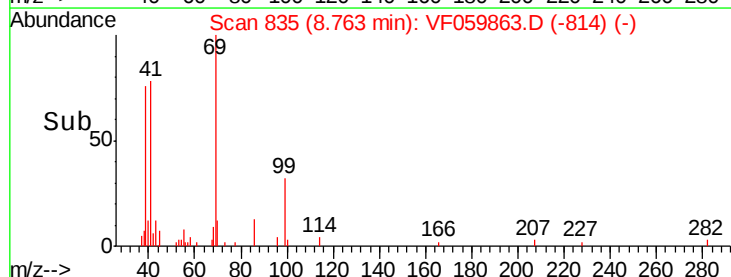
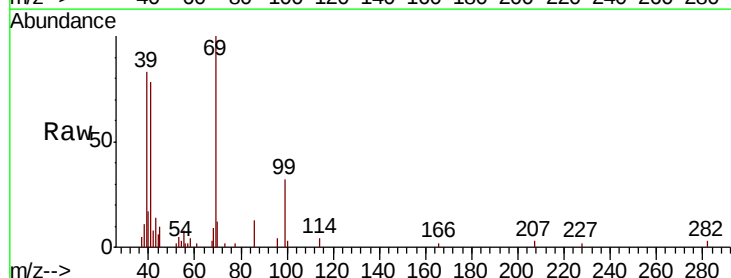
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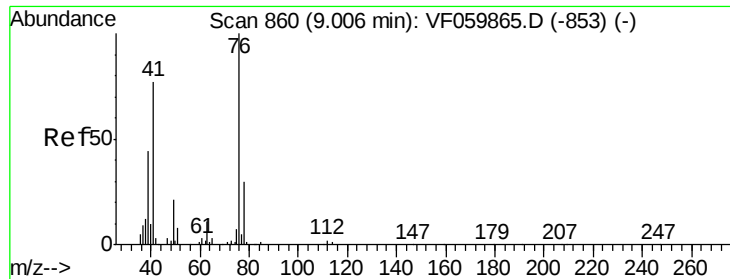
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#56
 Ethyl methacrylate
 Concen: 7.53 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion:	69	Resp:	11187
Ion	Ratio	Lower	Upper
69	100		
41	77.6	74.7	112.1
39	83.5	61.1	91.7





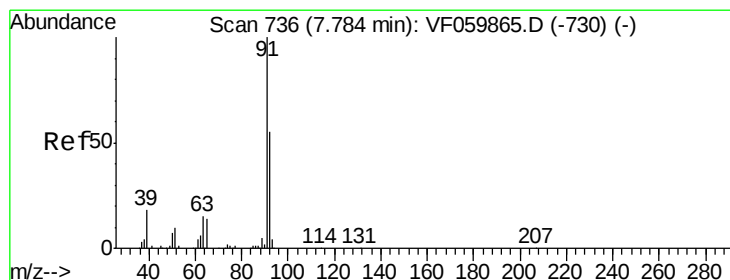
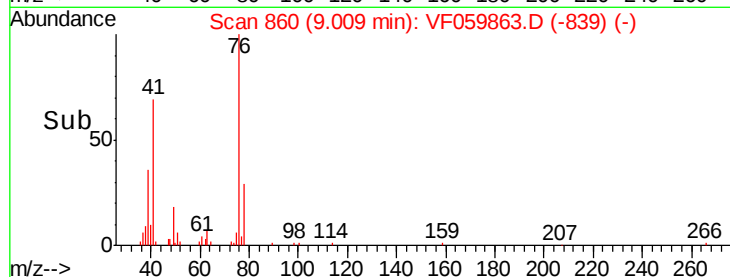
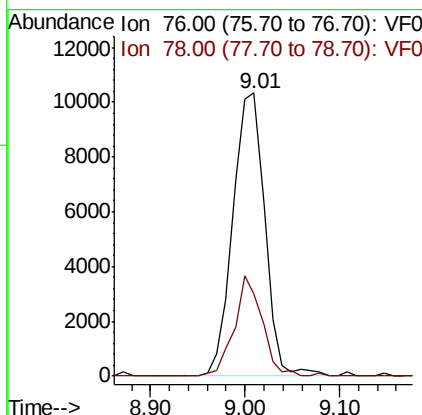
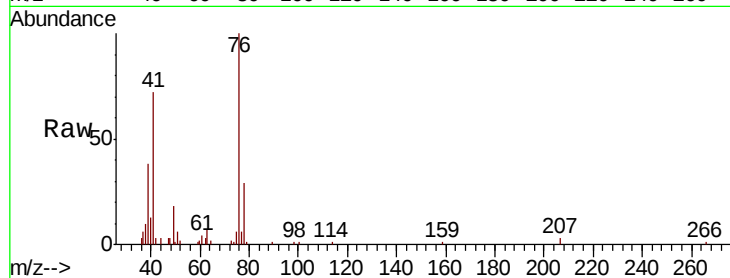
#57
 1,3-Dichloropropane
 Concen: 9.70 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	29.3	24.2	36.2

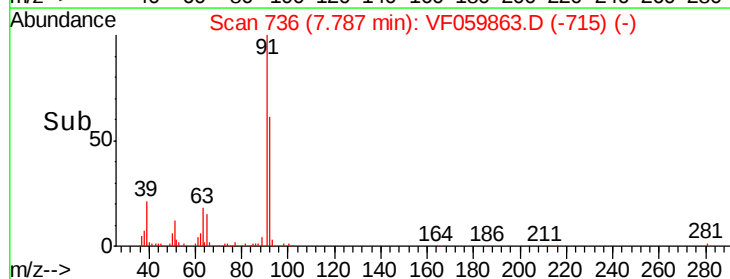
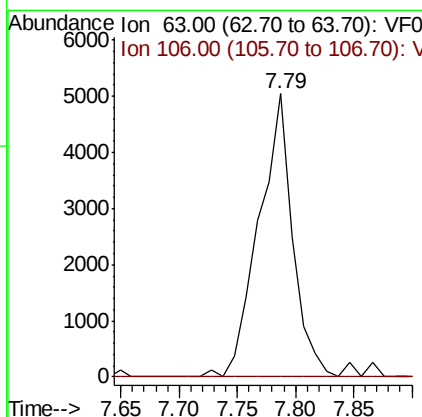
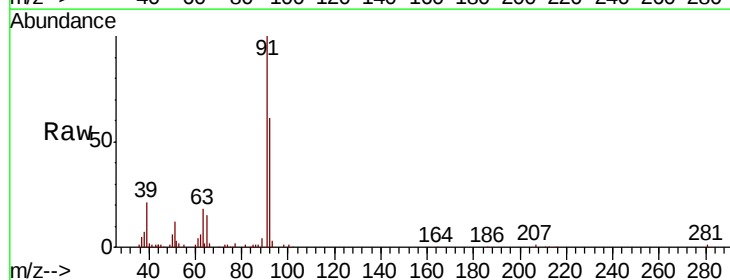
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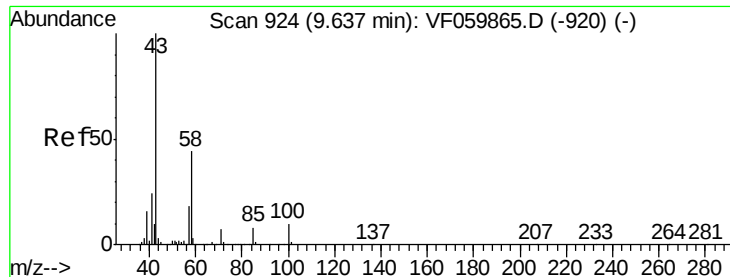
apatel
 8/6/2018 10:25:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 56.07 ug/l
 RT: 7.79 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





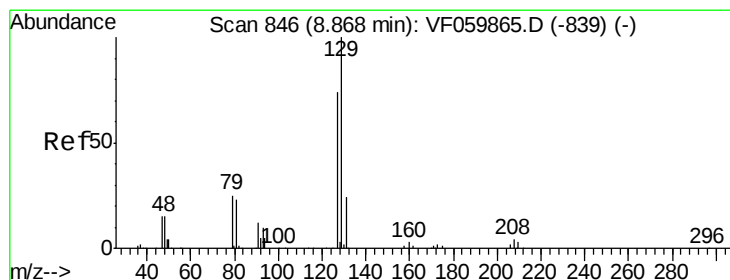
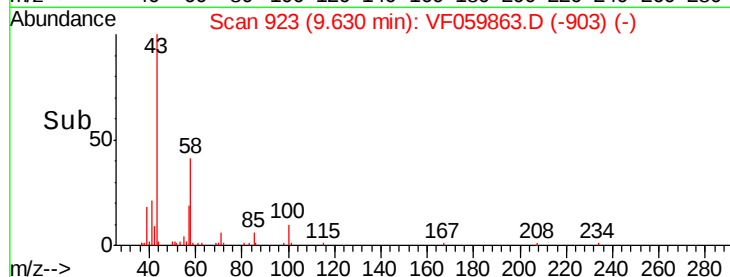
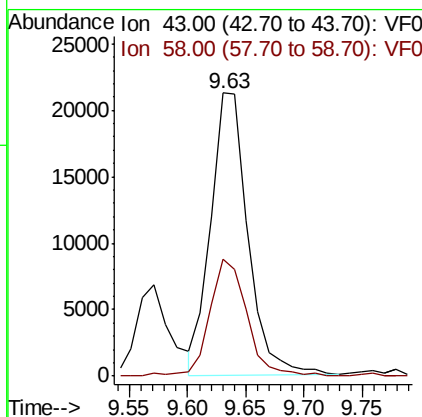
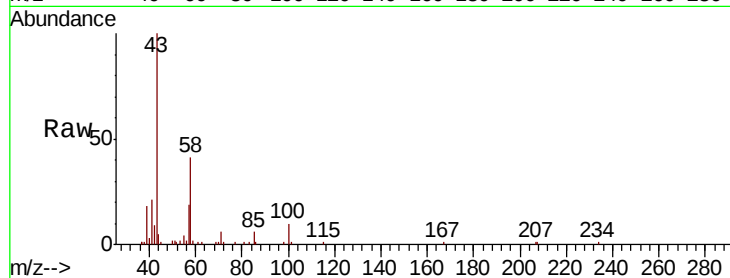
#59
2-Hexanone
Concen: 48.12 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.4	20.8	62.2

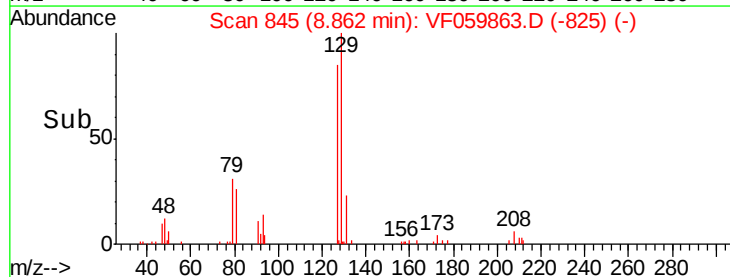
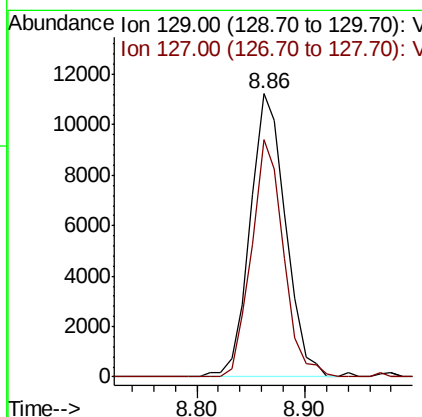
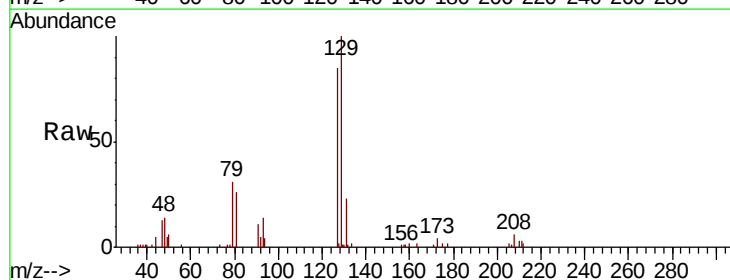
Manual Integrations
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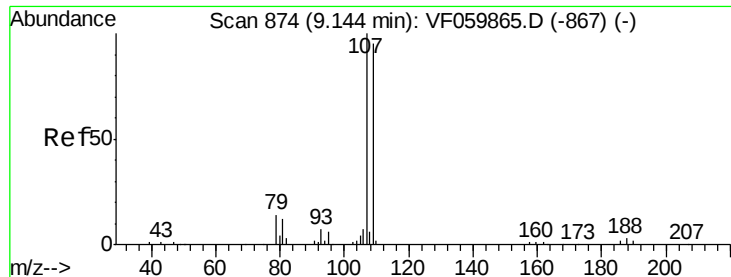
apatel
8/6/2018 10:25:45 AM



#60
Dibromochloromethane
Concen: 9.97 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	83.7	36.9	110.7





#61

1,2-Dibromoethane

Concen: 9.14 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 15587

Ion Ratio Lower Upper

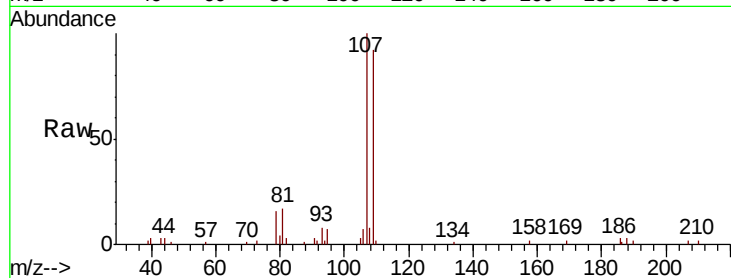
107 100

109 91.8 75.8 113.8

Manual Integrations
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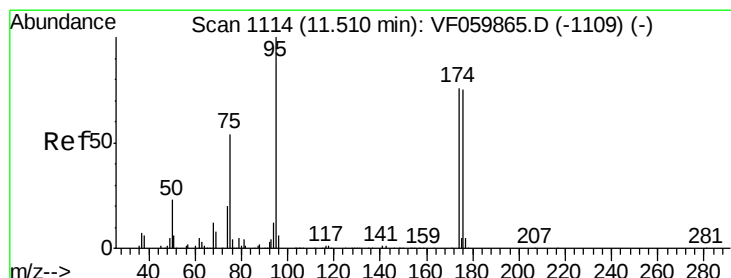
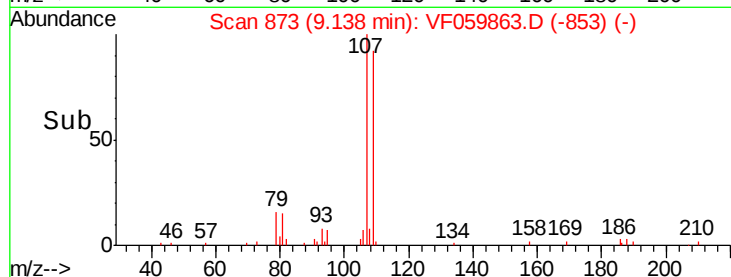
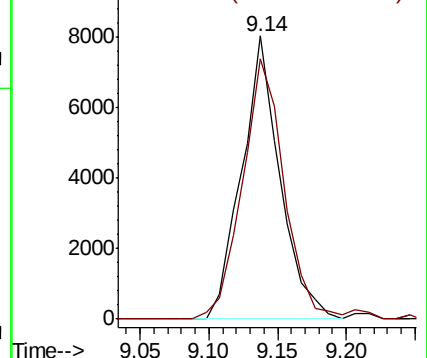
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 9.41 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

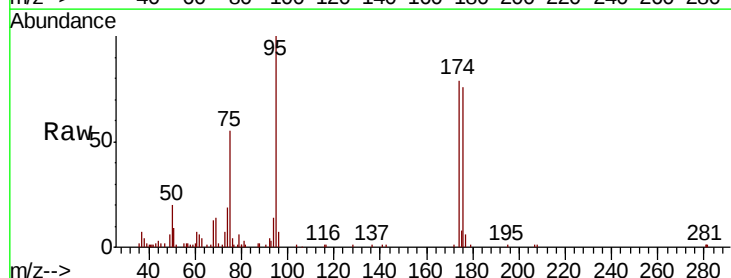
Tgt Ion: 95 Resp: 32944

Ion Ratio Lower Upper

95 100

174 78.9 0.0 151.6

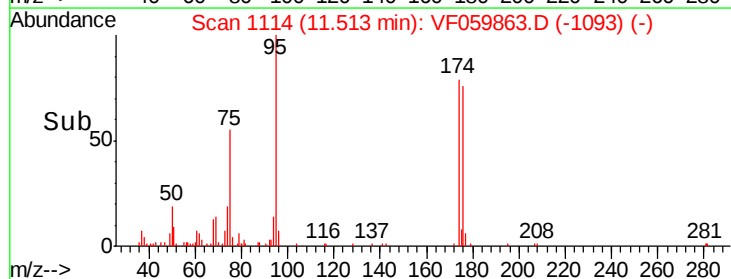
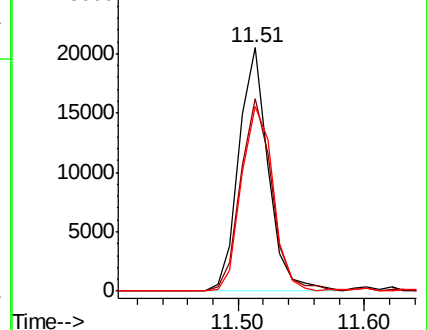
176 75.8 0.0 149.8

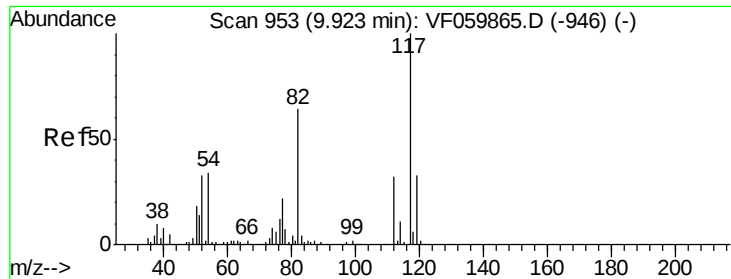


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





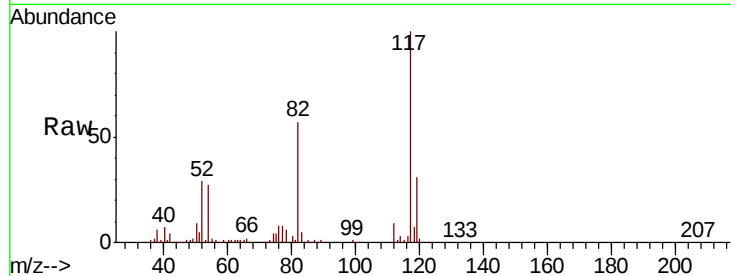
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	51.3	76.9
119	31.4	26.4	39.6

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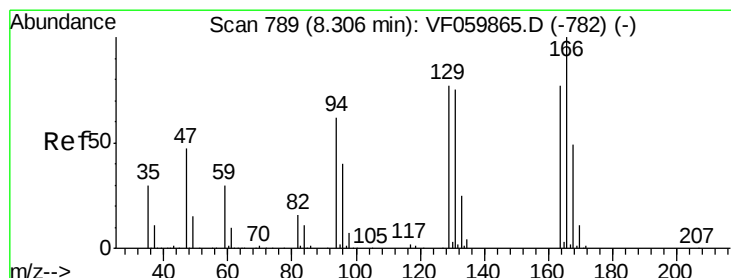
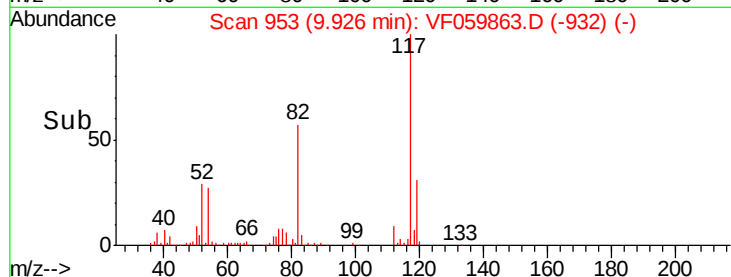
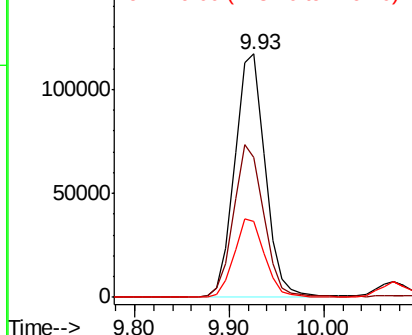


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 11.00 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.4	104.4	156.6
129	90.2	80.3	120.5
131	87.0	78.5	117.7

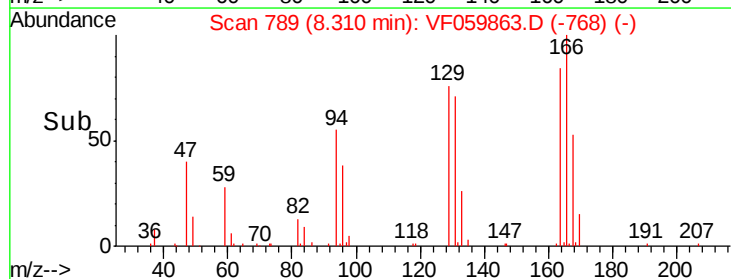
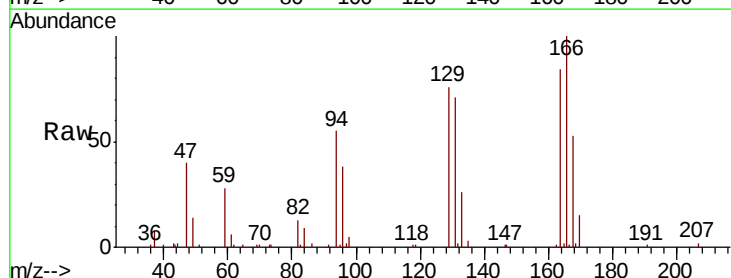
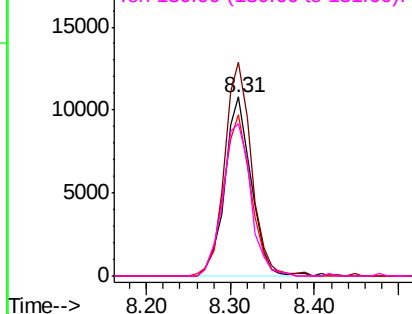
Abundance

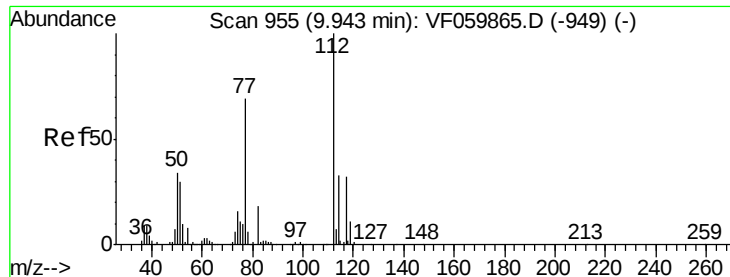
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





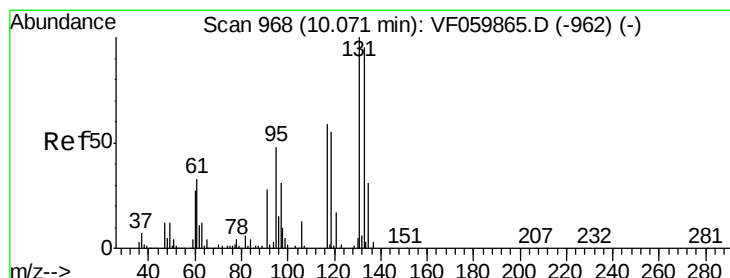
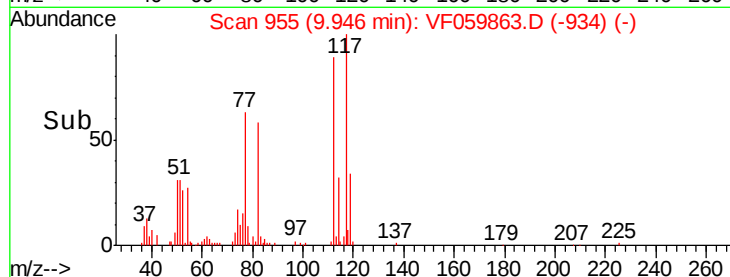
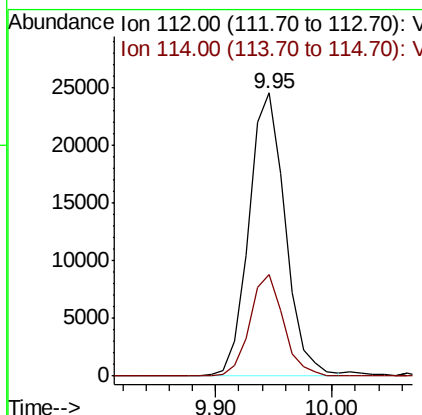
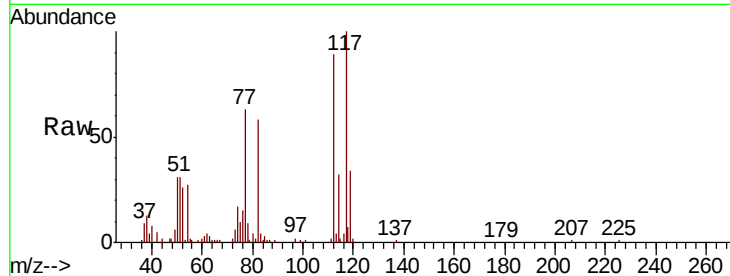
#65
Chlorobenzene
Concen: 9.86 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 52980
Ion Ratio Lower Upper
112 100
114 35.9 26.4 39.6

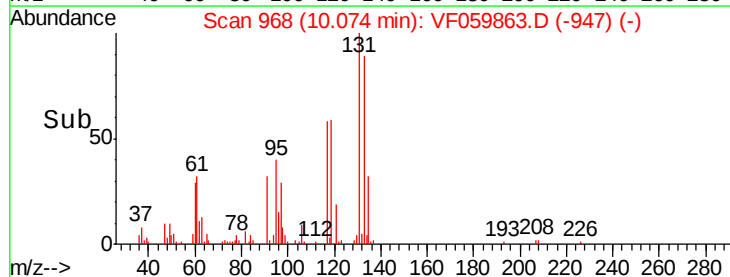
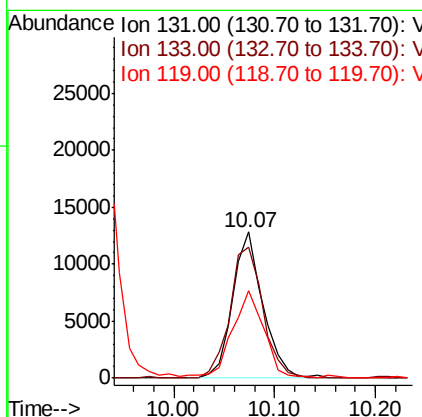
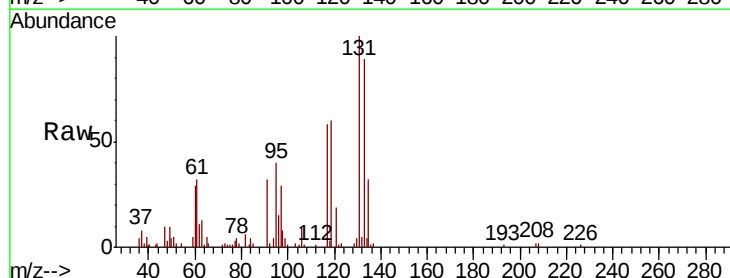
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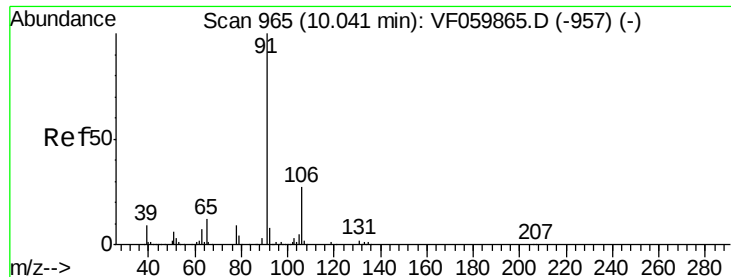
apatel
8/6/2018 10:25:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 10.58 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion:131 Resp: 26669
Ion Ratio Lower Upper
131 100
133 89.5 47.4 142.2
119 60.0 27.7 83.1





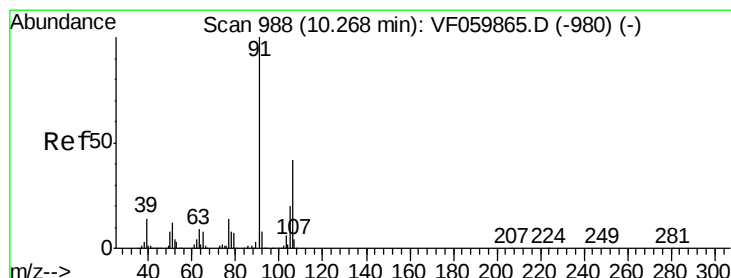
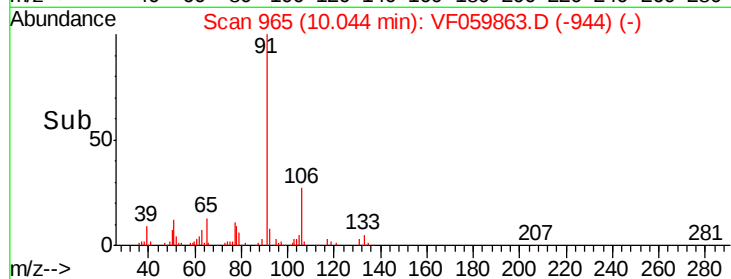
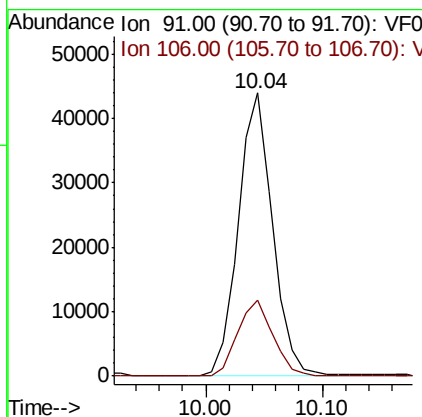
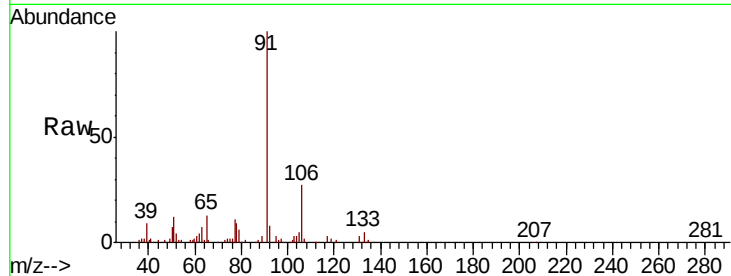
#67
Ethyl Benzene
Concen: 9.62 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	27.0	21.5	32.3	

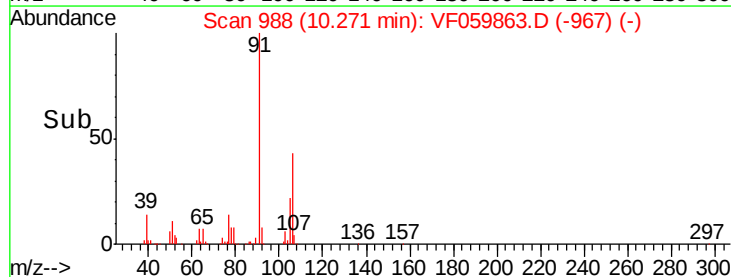
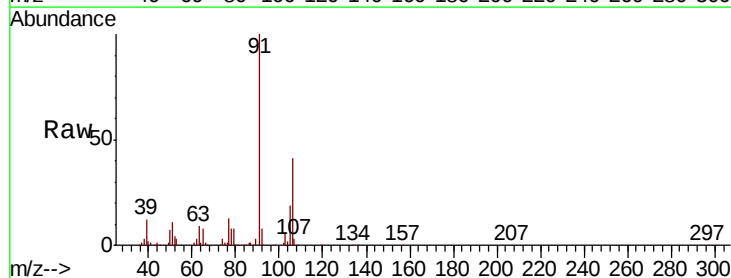
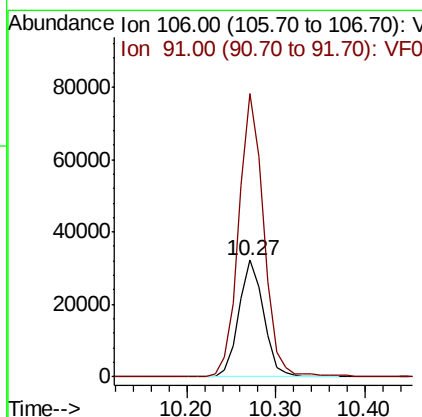
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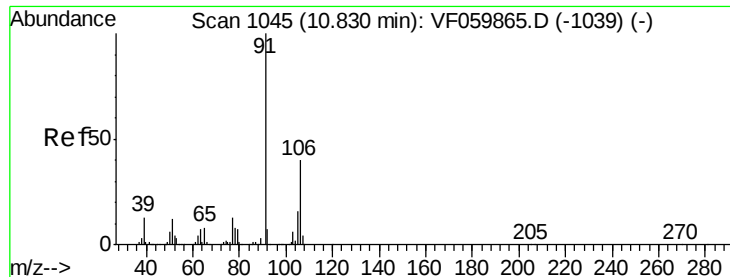
apatel
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#68
m/p-Xylenes
Concen: 19.21 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	243.2	192.1	288.1	





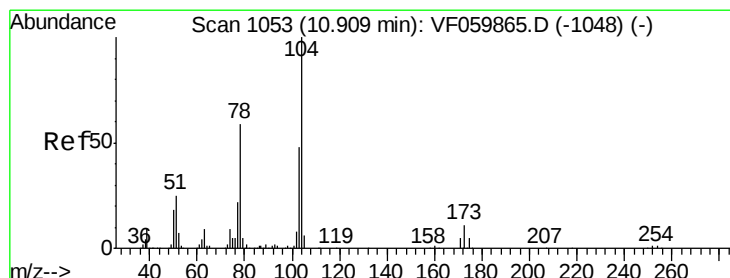
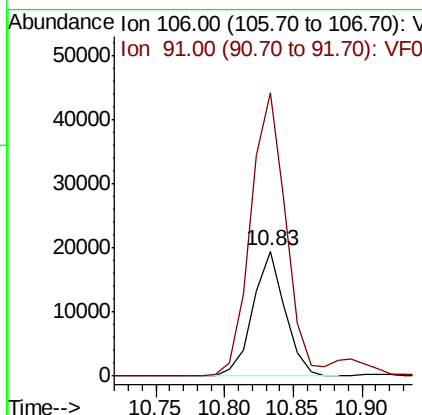
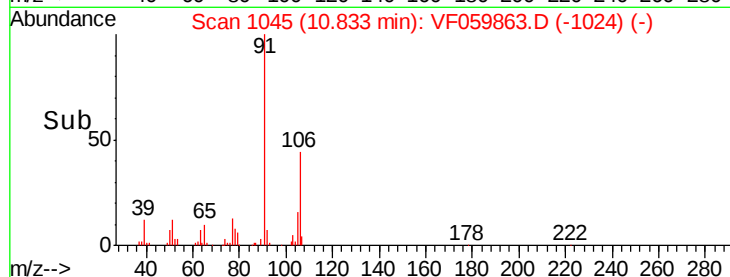
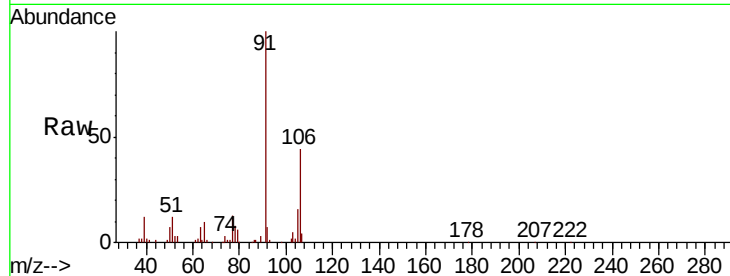
#69
o-Xylene
Concen: 9.26 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 32018
Ion Ratio Lower Upper
106 100
91 226.0 125.4 376.2

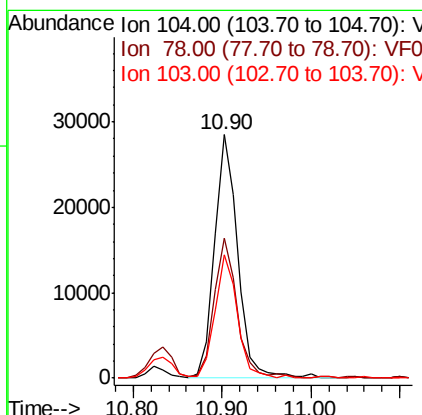
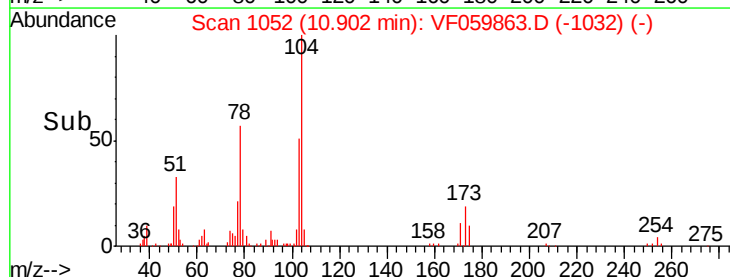
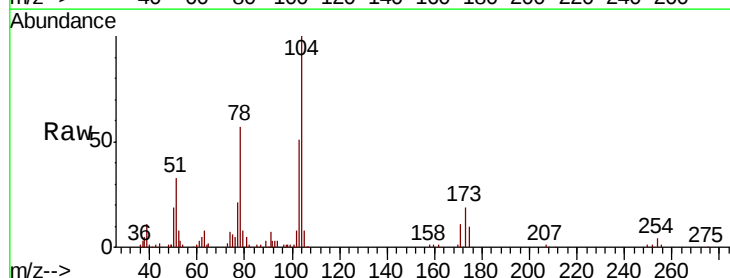
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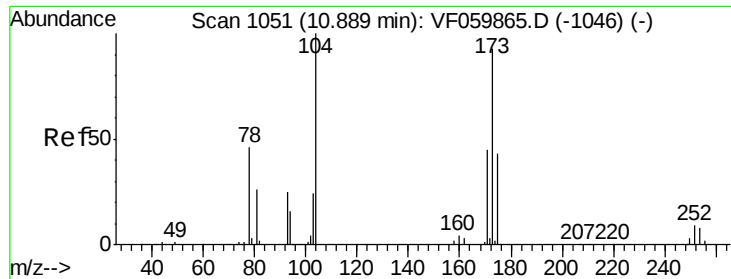
apatel
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#70
Styrene
Concen: 10.04 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion:104 Resp: 52012
Ion Ratio Lower Upper
104 100
78 57.3 47.3 70.9
103 50.7 39.0 58.4





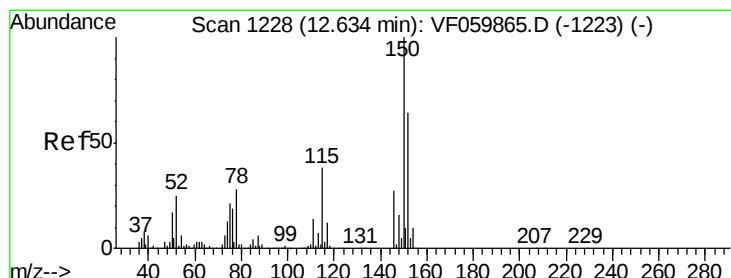
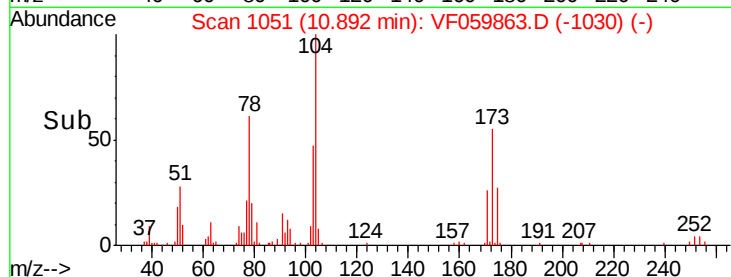
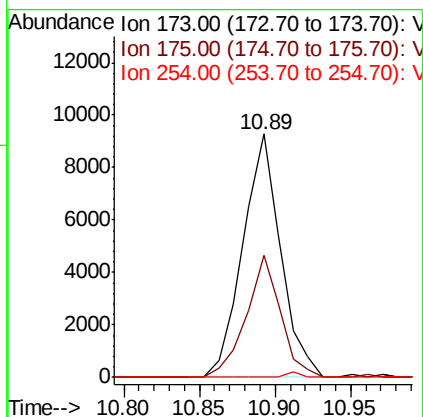
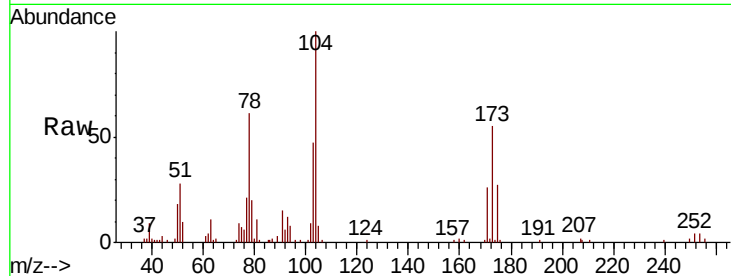
#71
Bromoform
Concen: 9.98 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.7	23.4	70.2		
254	0.0	0.0	0.0		

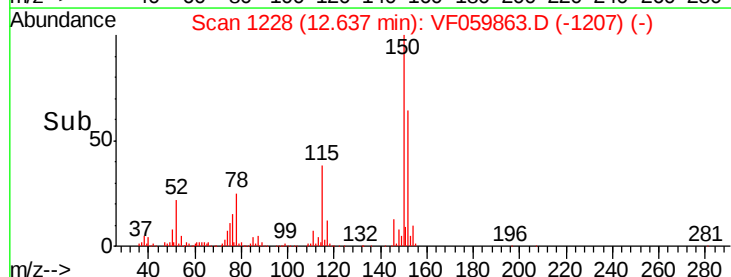
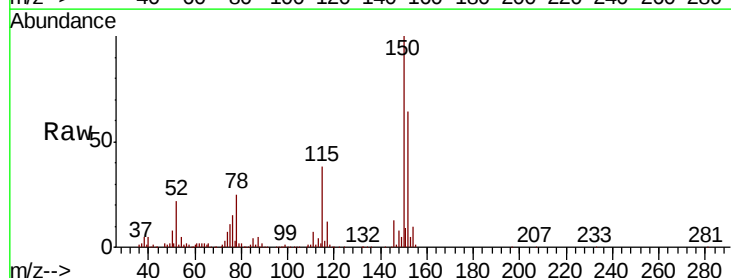
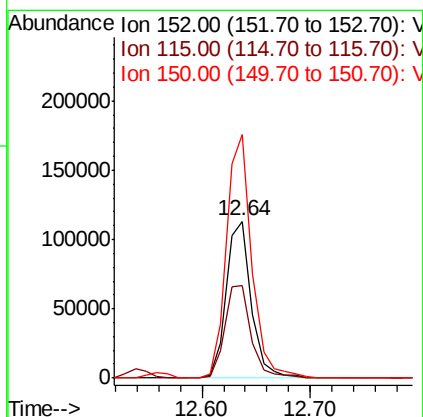
Manual Integrations
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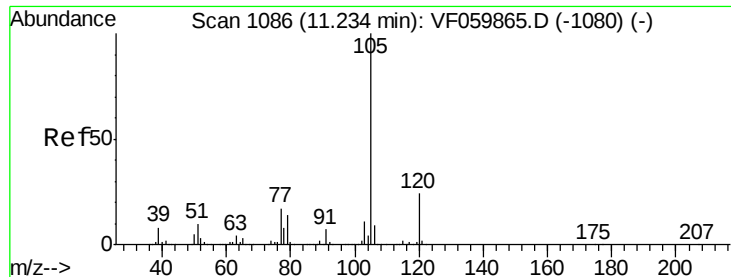
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	59.0	29.8	89.4		
150	155.3	0.0	315.6		





#73

Isopropylbenzene

Concen: 8.73 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 107038

Ion Ratio Lower Upper

105 100

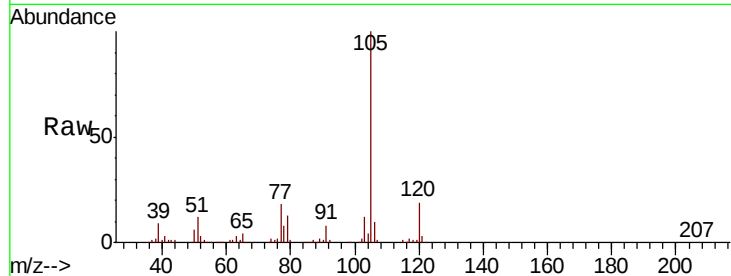
120 19.2 12.1 36.3

Manual Integrations

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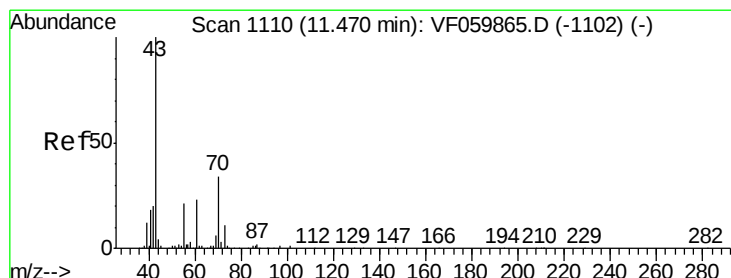
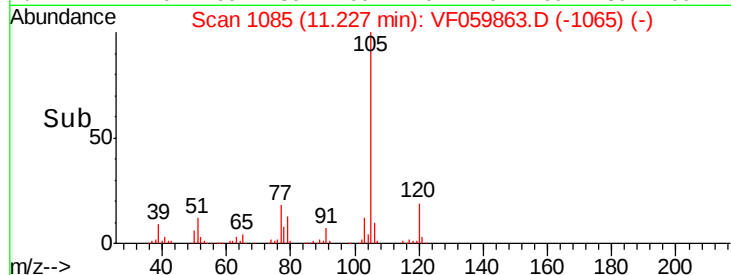
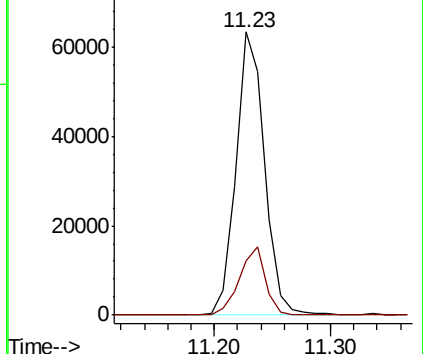
apatel

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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: 6.90 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion: 43 Resp: 20879

Ion Ratio Lower Upper

43 100

70 34.7 27.5 41.3

55 24.8 16.6 25.0

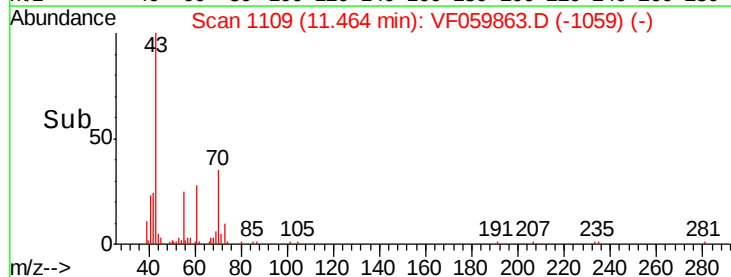
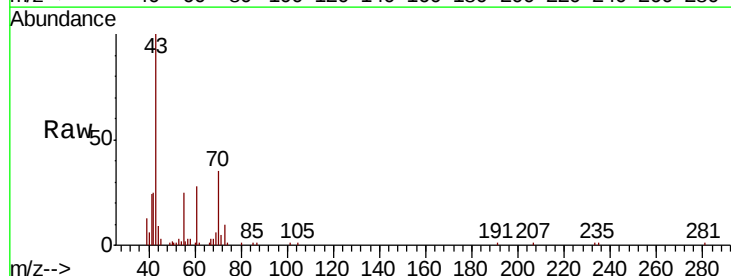
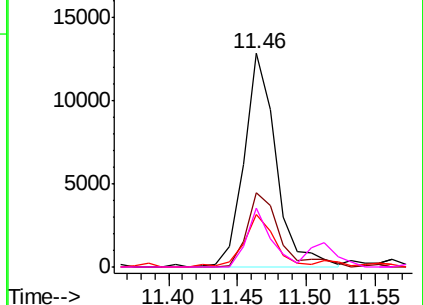
61 27.6 18.2 27.4#

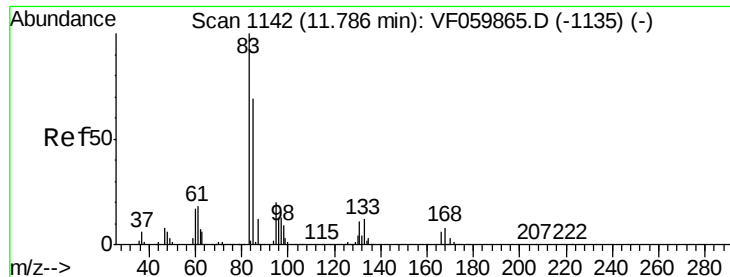
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 9.30 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

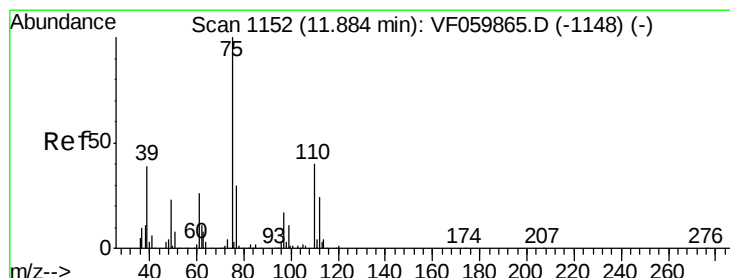
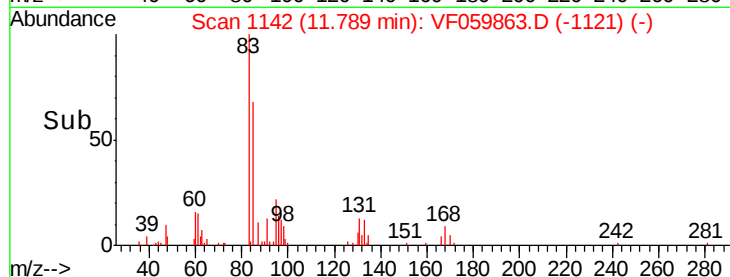
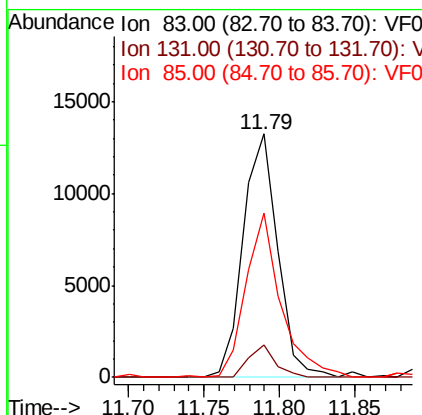
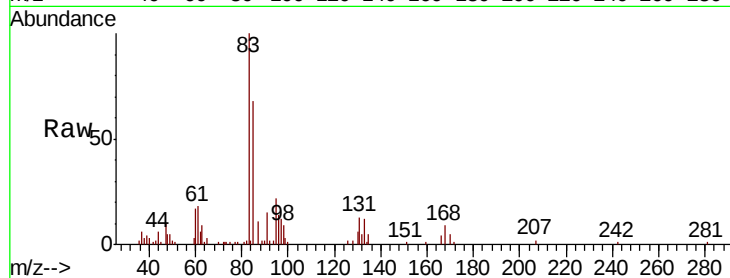
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	21111
Ion Ratio	Lower	Upper	
83	100		
131	13.2	5.3	15.9
85	67.6	34.5	103.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.40 ug/l

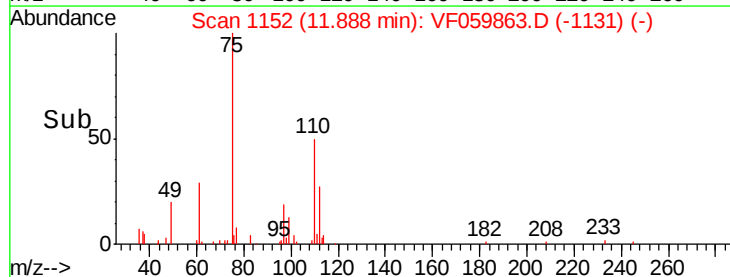
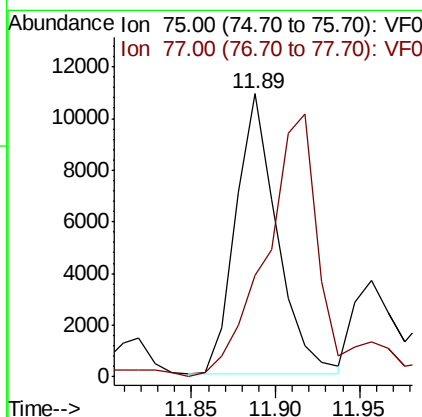
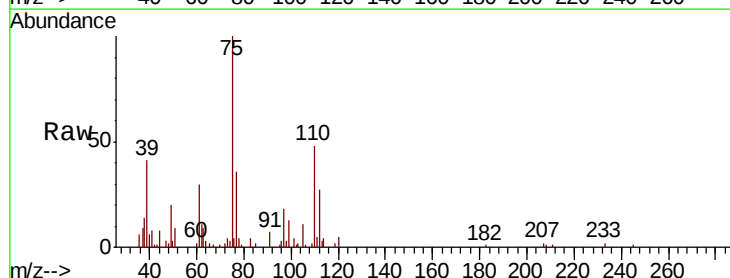
RT: 11.89 min Scan# 1152

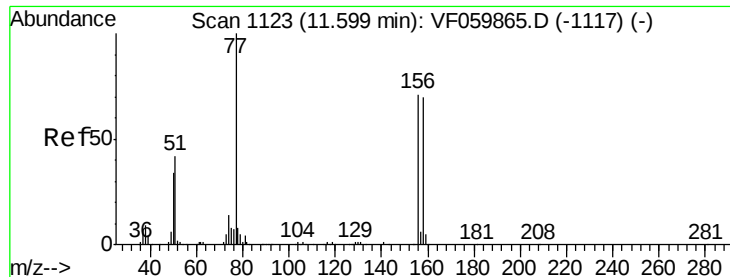
Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion:	75	Resp:	18282
Ion Ratio	Lower	Upper	
75	100		
77	36.1	15.4	46.2





#77

Bromobenzene

Concen: 10.29 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 32852

Ion Ratio Lower Upper

156 100

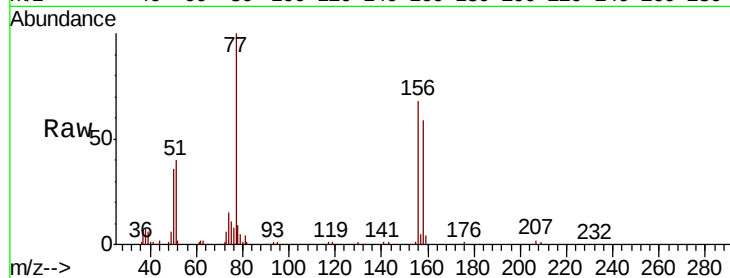
77 146.6 70.2 210.6

158 86.6 49.2 147.6

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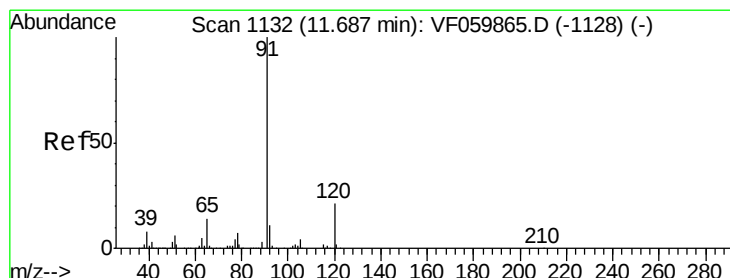
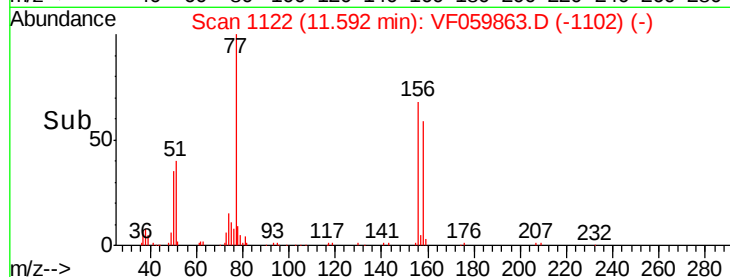
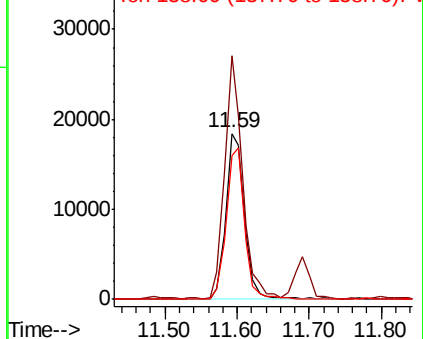
8/6/2018 10:25:45 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 9.46 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059863.D

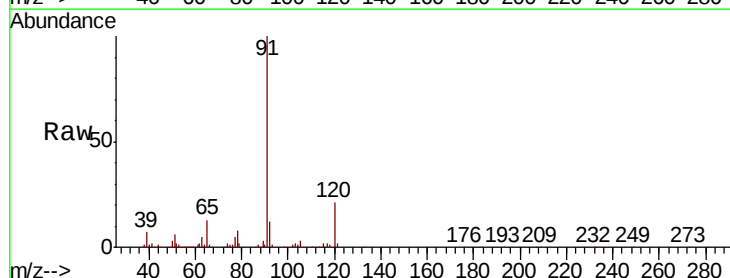
Acq: 4 Aug 2018 3:49

Tgt Ion: 91 Resp: 135296

Ion Ratio Lower Upper

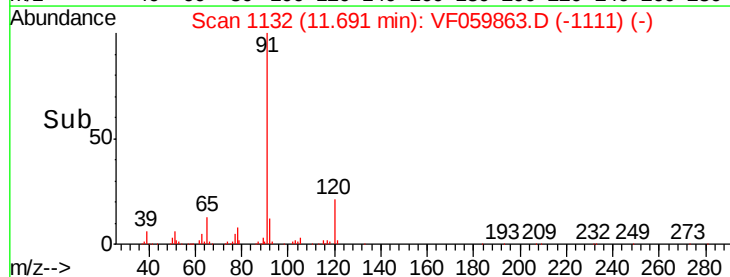
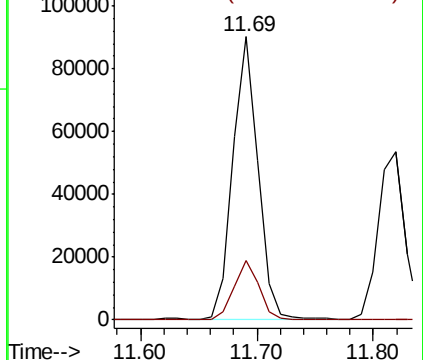
91 100

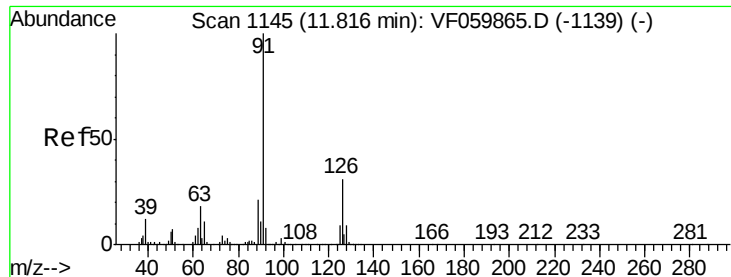
120 20.8 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.48 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 84281

Ion Ratio Lower Upper

91 100

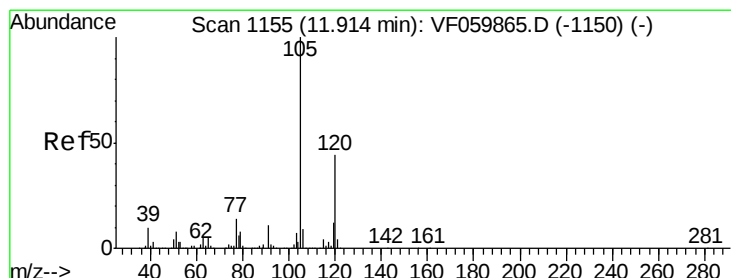
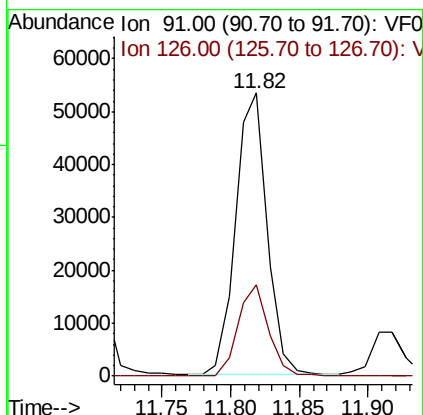
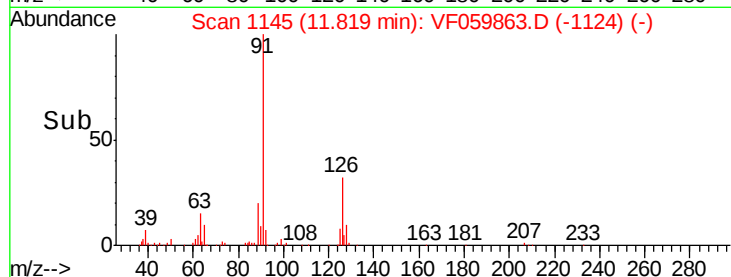
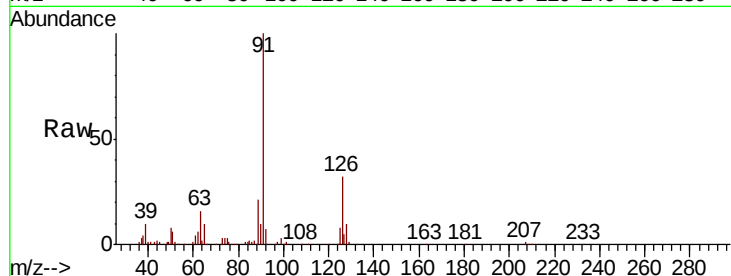
126 32.2 15.6 46.7

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#80

1,3,5-Trimethylbenzene

Concen: 9.88 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059863.D

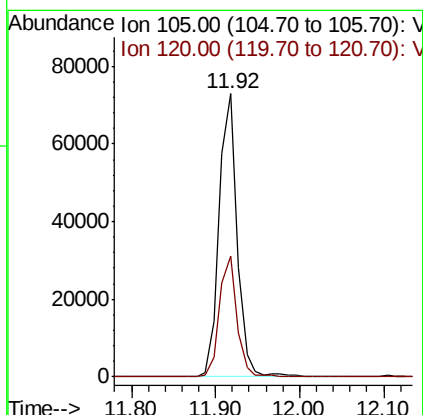
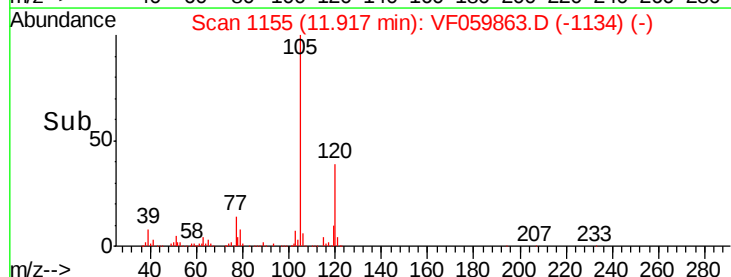
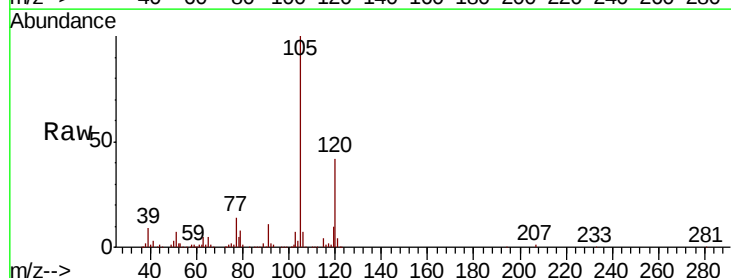
Acq: 4 Aug 2018 3:49

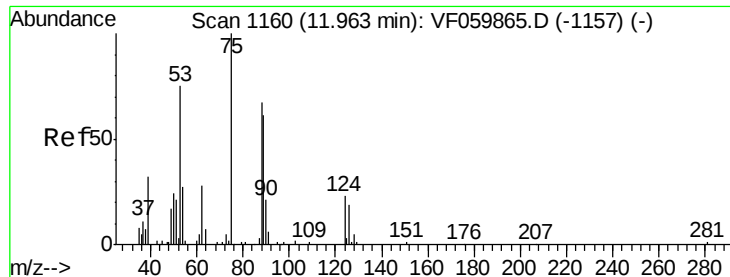
Tgt Ion: 105 Resp: 109095

Ion Ratio Lower Upper

105 100

120 42.5 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 7.92 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

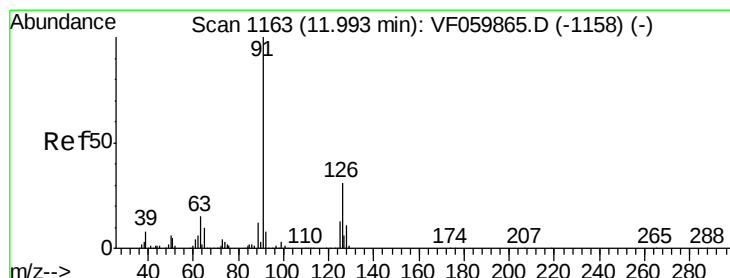
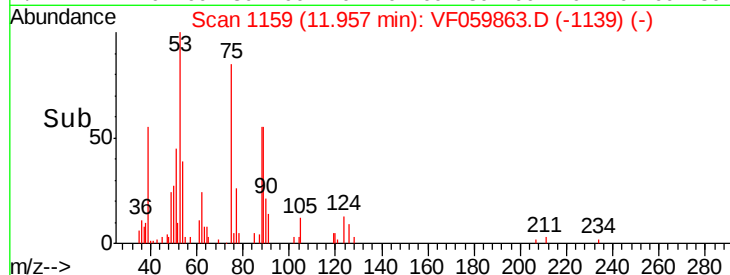
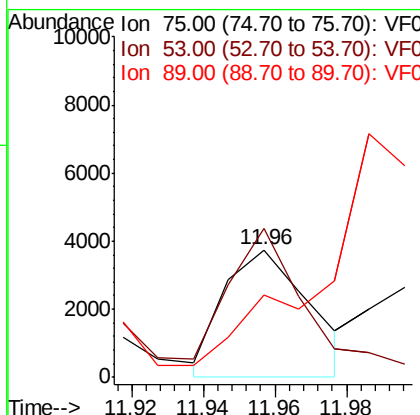
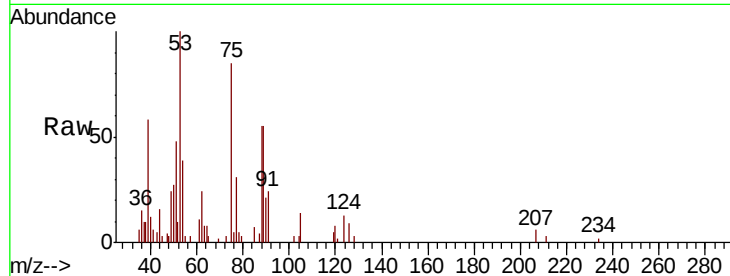
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	6201
Ion Ratio	Lower	Upper	
75	100		
53	117.4	65.9	98.9#
89	64.8	50.6	76.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 9.73 ug/l

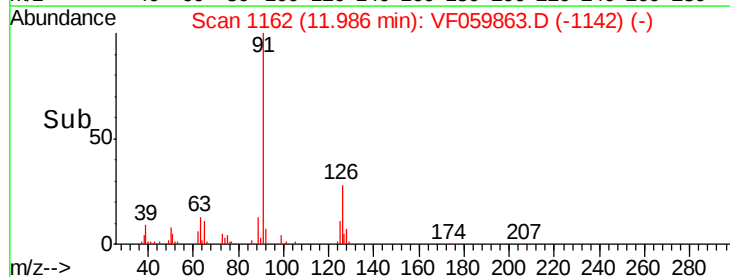
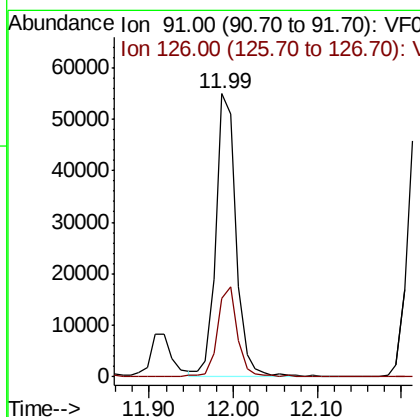
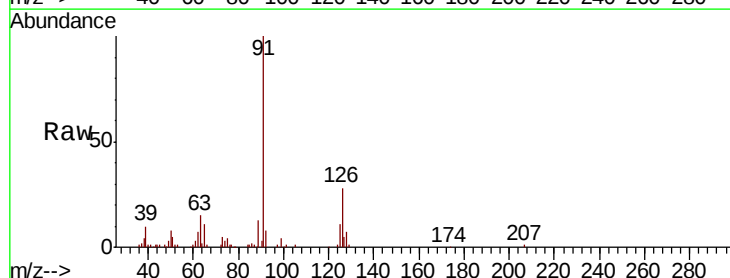
RT: 11.99 min Scan# 1162

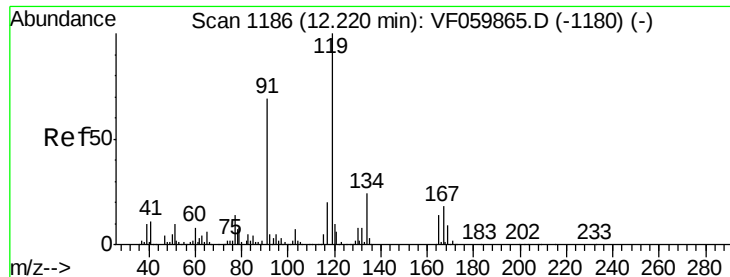
Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion:	91	Resp:	92312
Ion Ratio	Lower	Upper	
91	100		
126	27.7	15.7	47.0





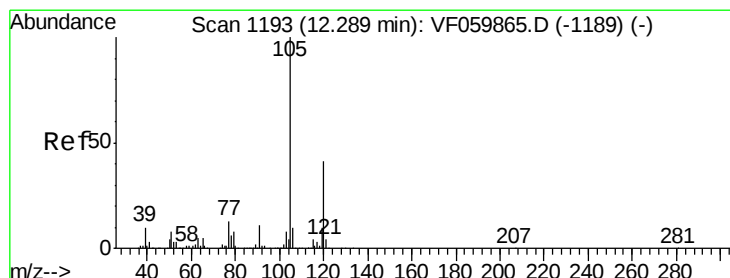
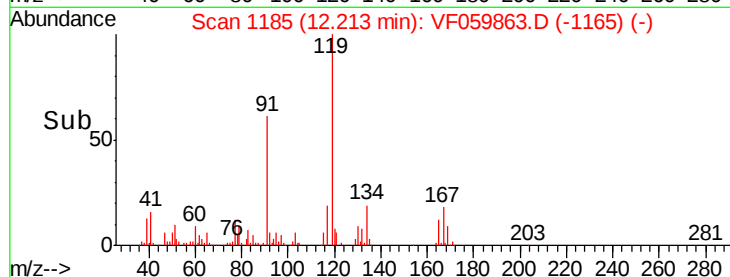
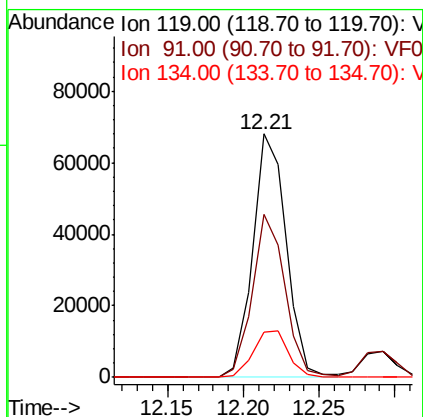
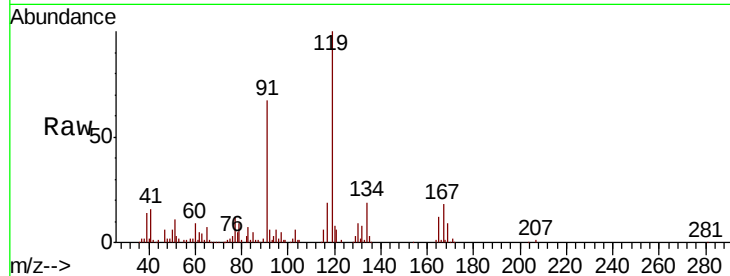
#83
tert-Butylbenzene
Concen: 9.59 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	34.4	103.2
134	18.6	12.1	36.3

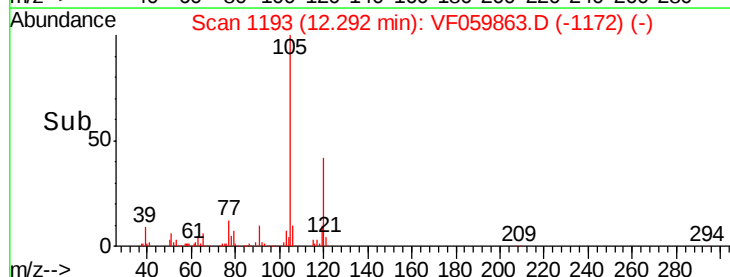
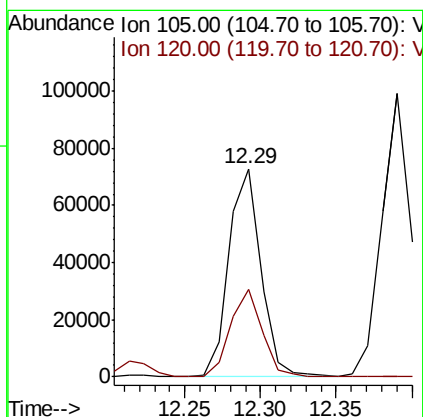
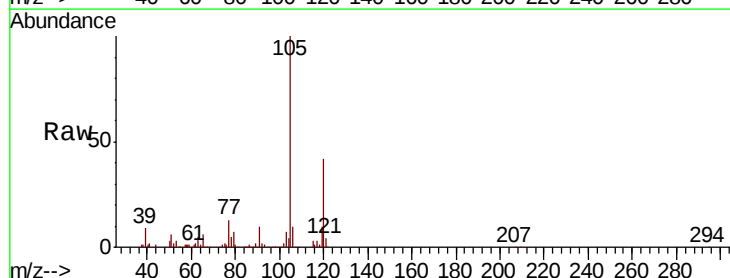
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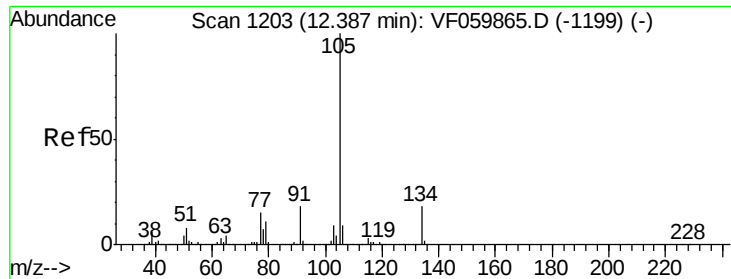
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 9.69 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.0	20.8	62.5





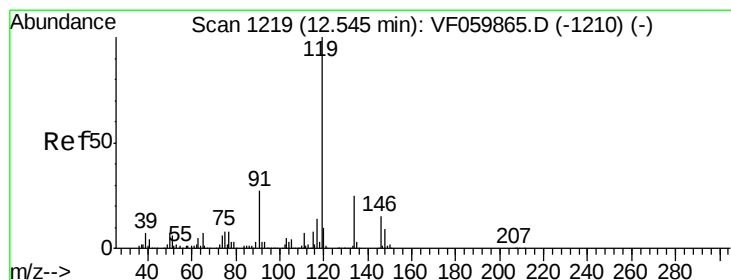
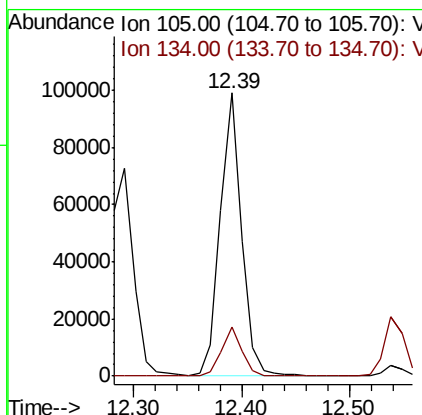
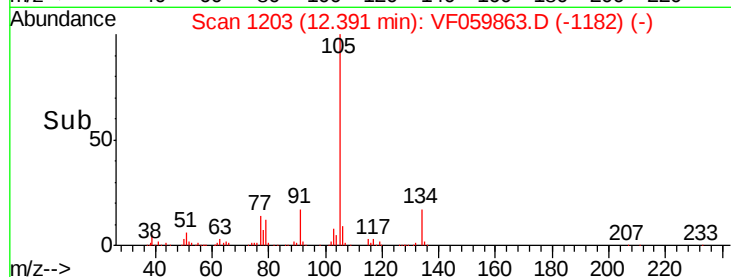
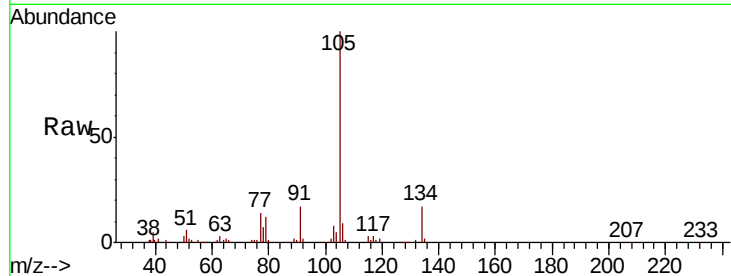
#85
 sec-Butylbenzene
 Concen: 9.67 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	136502		
134	17.3	9.1	27.3	

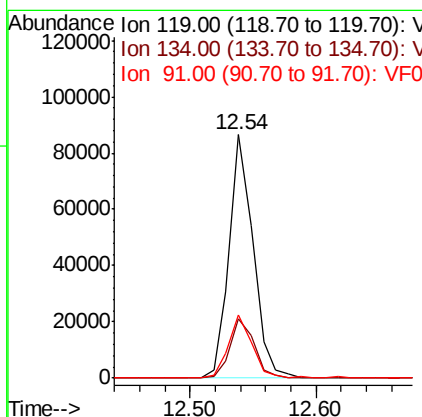
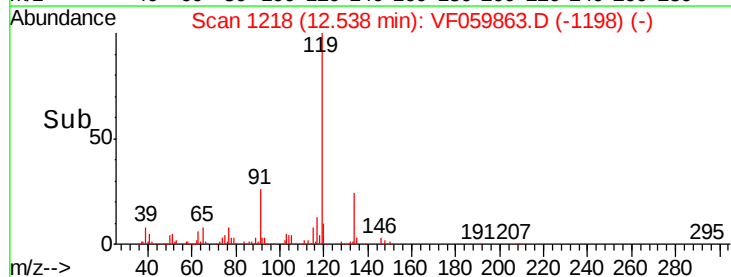
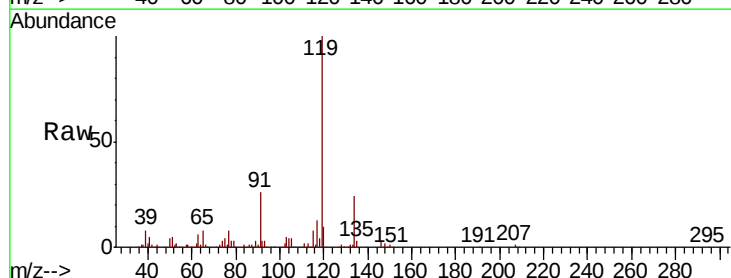
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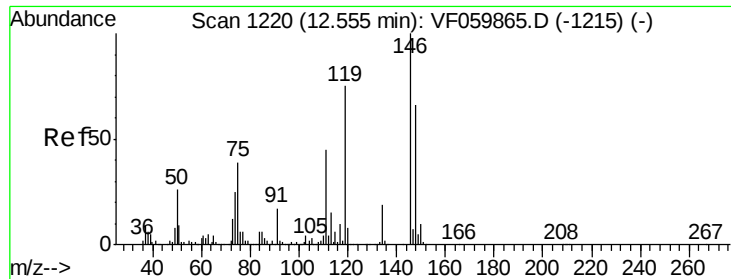
apatel
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#86
 p-Isopropyltoluene
 Concen: 9.14 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	113786		
134	24.2	12.4	37.0	
91	26.1	13.6	40.7	





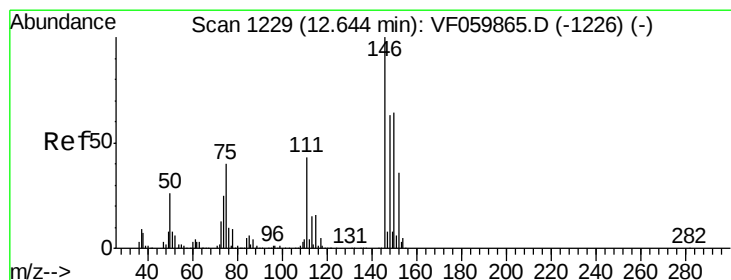
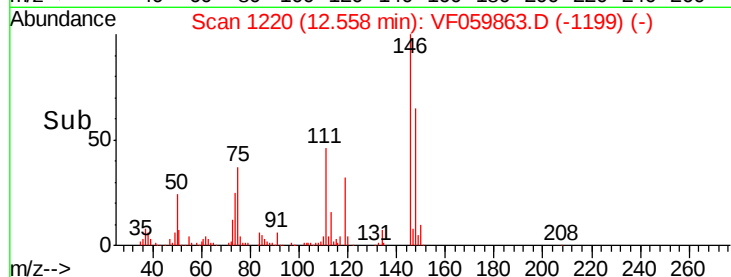
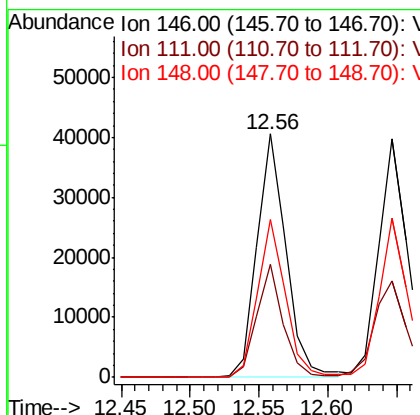
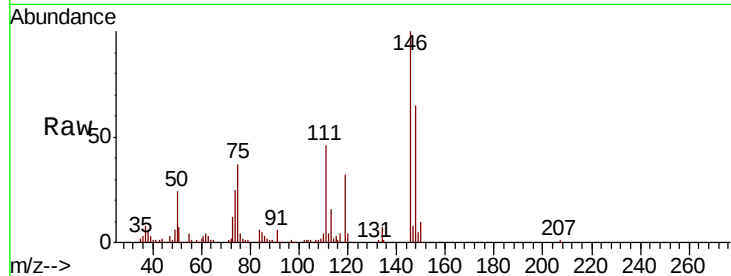
#87
 1,3-Dichlorobenzene
 Concen: 9.84 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.4	67.0
148	64.8	33.1	99.3

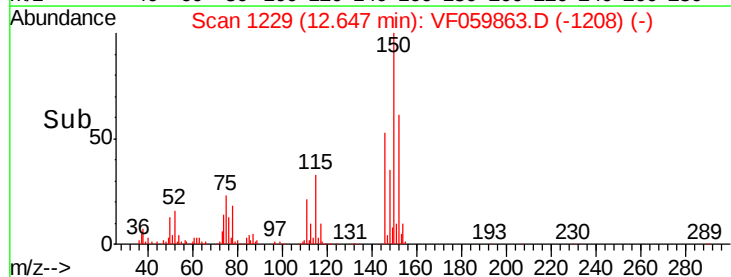
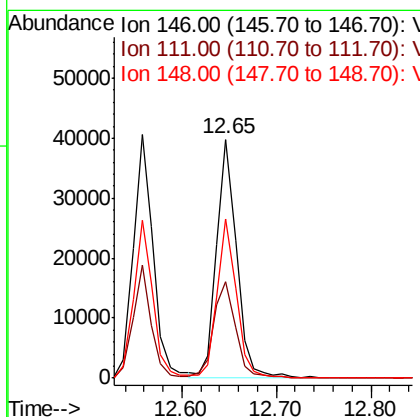
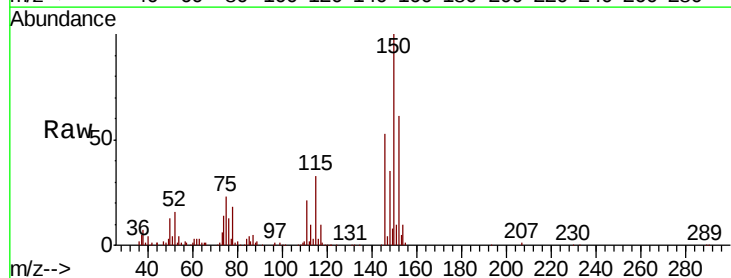
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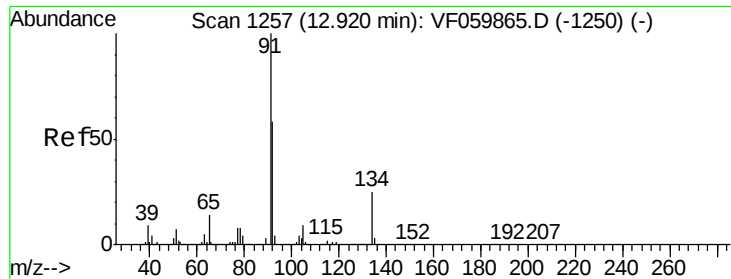
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 9.94 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.4	64.2
148	66.8	31.6	94.7





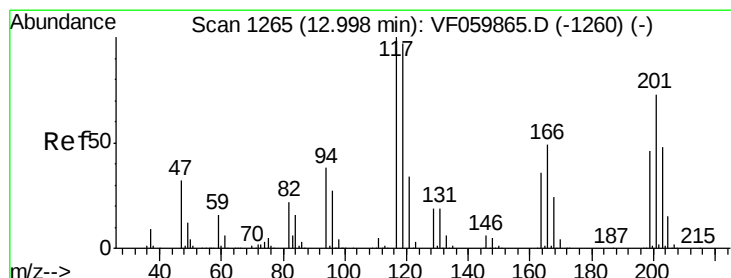
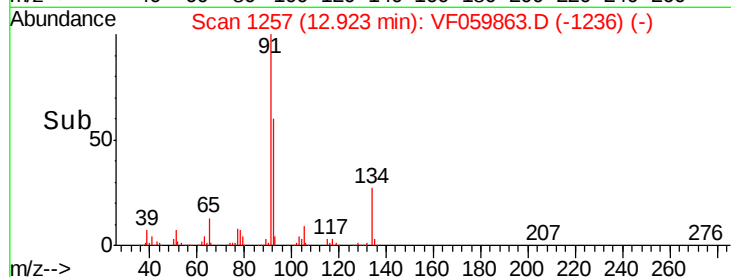
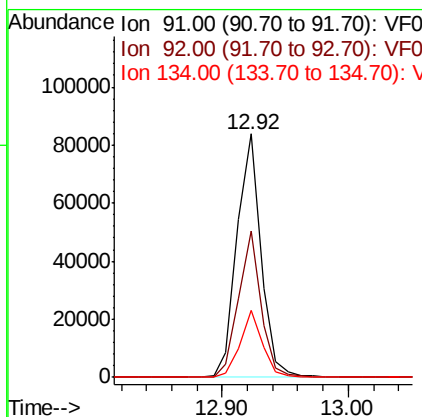
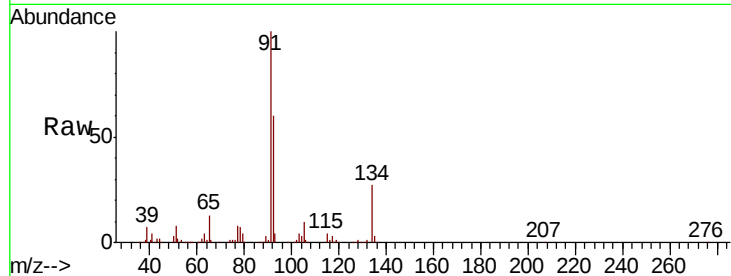
#89
n-Butylbenzene
Concen: 9.41 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.3	28.8	86.5
134	27.5	12.6	37.6

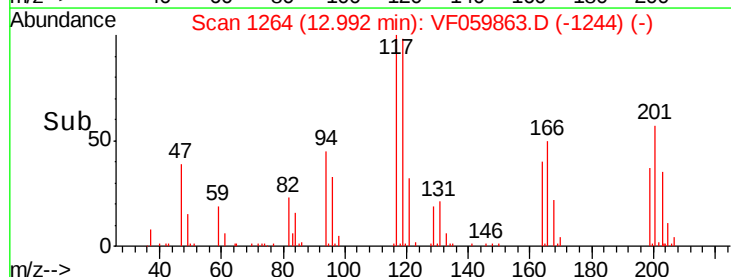
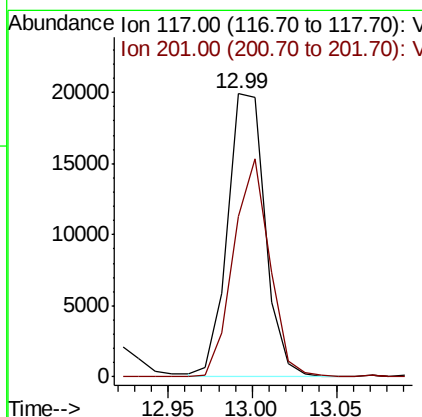
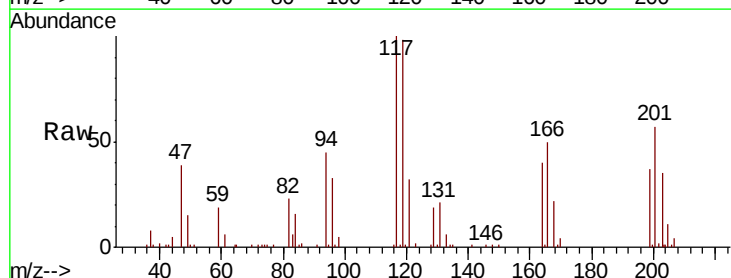
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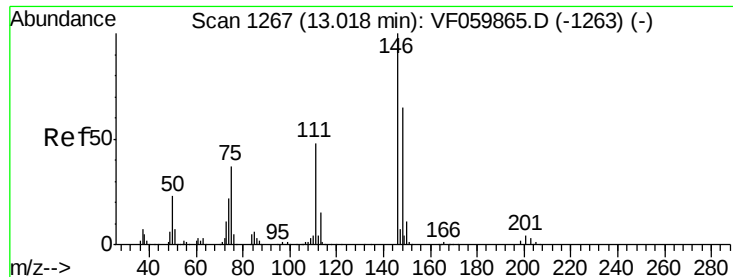
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#90
Hexachloroethane
Concen: 9.94 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059863.D
Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.4	36.6	109.8





#91

1,2-Dichlorobenzene

Concen: 9.91 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

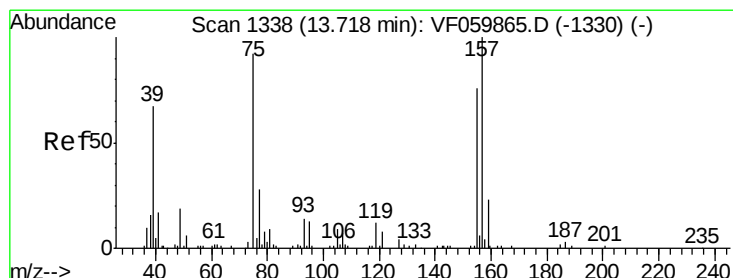
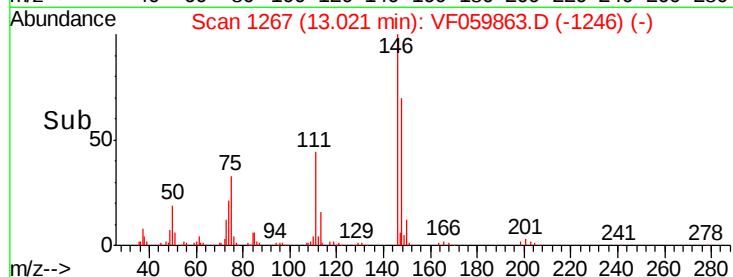
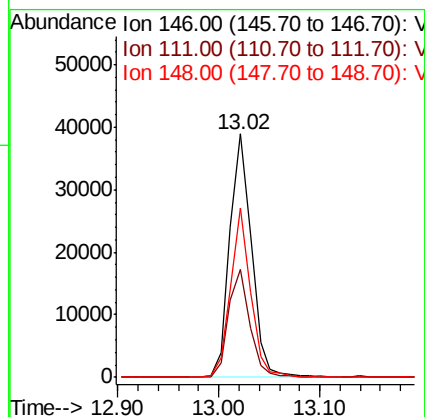
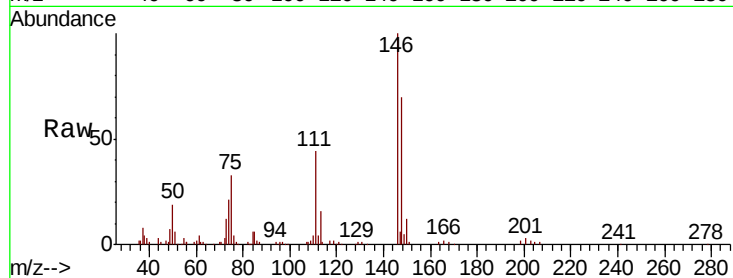
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	58320
Ion Ratio	Lower	Upper	
146	100		
111	44.3	24.1	72.2
148	69.8	32.8	98.3

Manual Integrations
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8/6/2018 10:25:45 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.00 ug/l

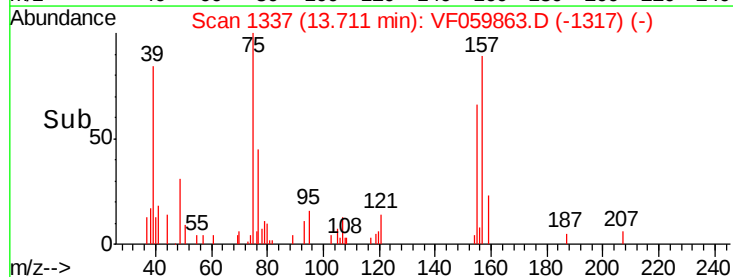
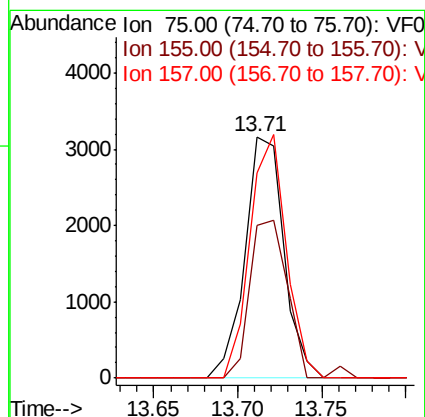
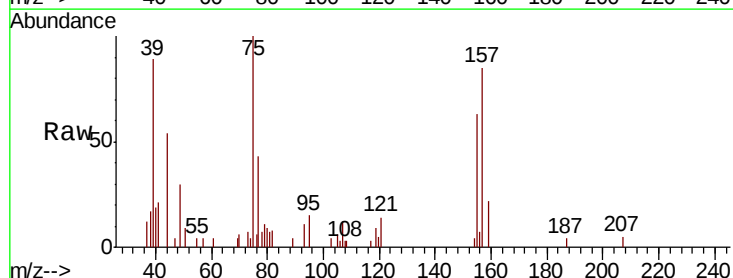
RT: 13.71 min Scan# 1337

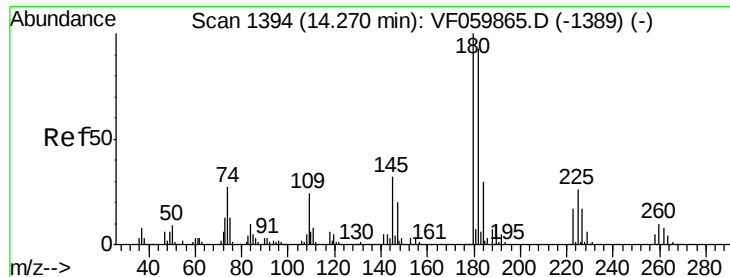
Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion:	75	Resp:	5077
Ion Ratio	Lower	Upper	
75	100		
155	63.1	41.2	123.6
157	84.9	54.5	163.6





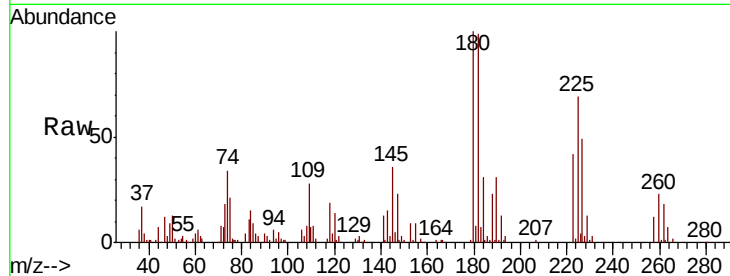
#93
 1,2,4-Trichlorobenzene
 Concen: 9.05 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41377		
182	98.9	46.4	139.2	
145	36.1	15.9	47.7	

Manual Integrations
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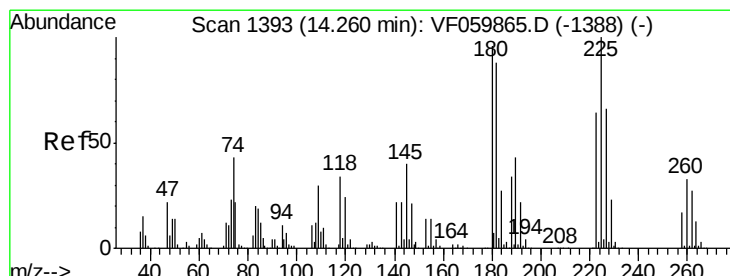
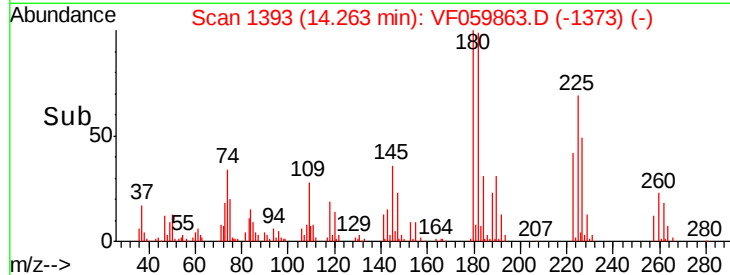
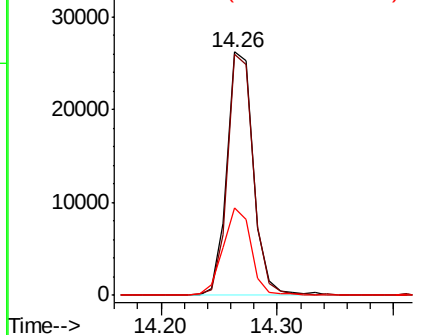


Abundance

Ion 180.00 (179.70 to 180.70): V

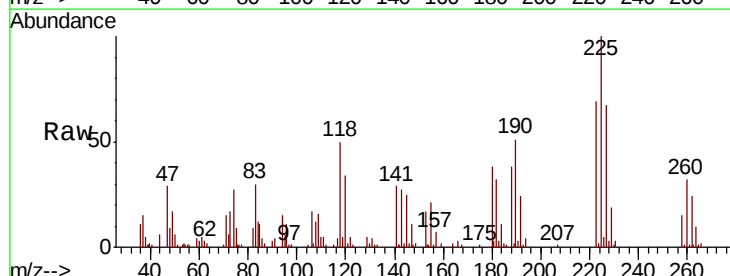
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 9.84 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059863.D
 Acq: 4 Aug 2018 3:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30159		
223	71.5	31.9	95.9	
227	70.2	32.8	98.4	

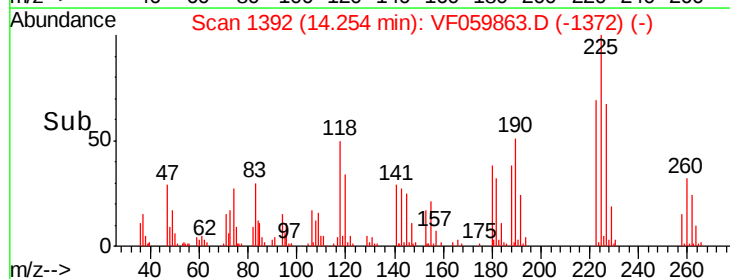
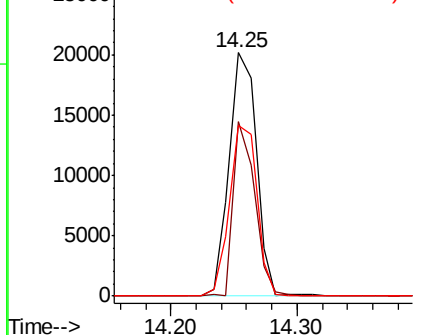


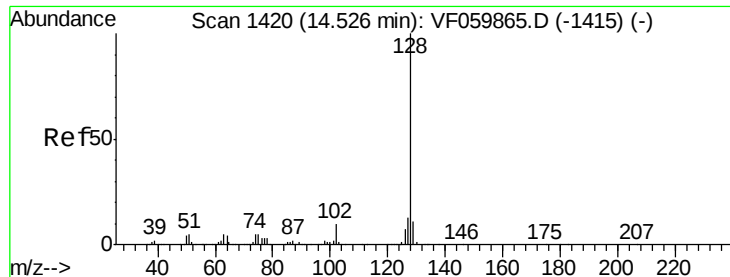
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 7.99 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Instrument :

MSVOA_F

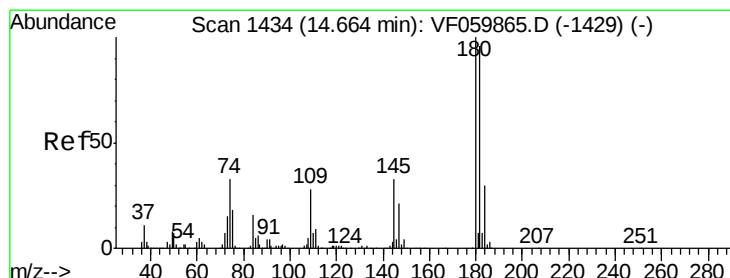
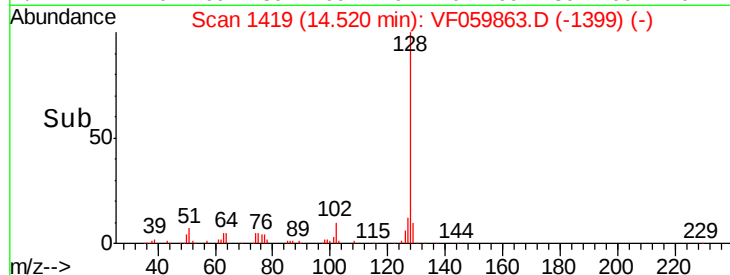
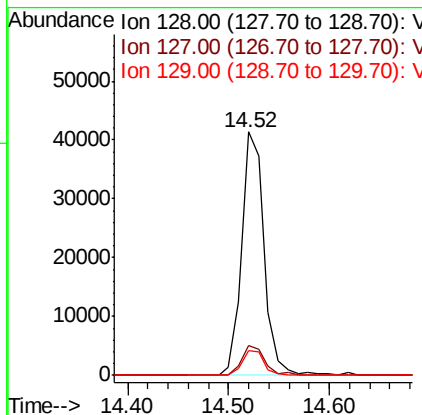
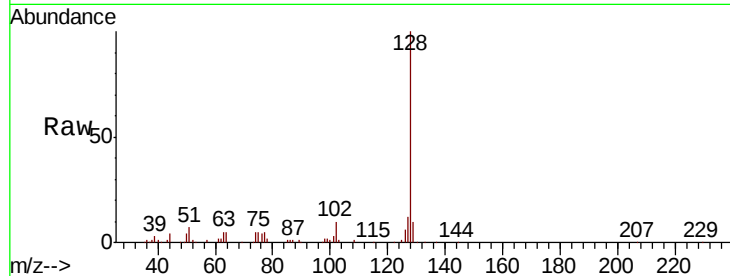
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	63939
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.4	15.6
129	9.9	9.0	13.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 9.29 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059863.D

Acq: 4 Aug 2018 3:49

Tgt Ion:	180	Resp:	41285
Ion Ratio	Lower	Upper	
180	100		
182	89.9	48.1	144.3
145	29.4	16.6	49.8

