

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059249.D
 Acq On : 21 Jun 2018 3:56
 Operator : VA/AP
 Sample : VF0620SBS02
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:46:35 AM

Quant Time: Jun 21 08:01:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	217498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	347059	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	354367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	221782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	161966	61.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.80%	
35) Dibromofluoromethane	4.29	113	143097	58.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.52%	
50) Toluene-d8	7.71	98	339664	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.51	95	196732	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	49190	19.98	ug/l	94
3) Chloromethane	1.08	50	28385	14.89	ug/l	91
4) Vinyl Chloride	1.14	62	29782	17.31	ug/l	96
5) Bromomethane	1.34	94	19512	19.47	ug/l	85
6) Chloroethane	1.43	64	14689	20.58	ug/l #	85
7) Trichlorofluoromethane	1.49	101	59402m	22.21	ug/l	
8) Diethyl Ether	1.70	74	14089	20.94	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.90	101	37397	21.94	ug/l	93
10) Methyl Iodide	1.97	142	62898	21.09	ug/l	97
11) Tert butyl alcohol	2.68	59	17456	103.28	ug/l	98
12) 1,1-Dichloroethene	1.85	96	30520	21.30	ug/l	97
13) Acrolein	2.09	56	8848	60.48	ug/l	88
14) Allyl chloride	2.19	41	54489	19.37	ug/l #	80
15) Acrylonitrile	3.07	53	36557	108.91	ug/l	92
16) Acetone	2.33	43	57693	91.61	ug/l	92
17) Carbon Disulfide	1.87	76	65288	16.23	ug/l	100
18) Methyl Acetate	2.45	43	23790	21.97	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	108106	24.30	ug/l	94
20) Methylene Chloride	2.27	84	33713m	22.36	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	34063	21.67	ug/l	93
22) Diisopropyl ether	2.92	45	116964	21.15	ug/l #	90
23) Vinyl Acetate	3.33	43	376534	103.28	ug/l	99
24) 1,1-Dichloroethane	3.00	63	79120	23.60	ug/l	98
25) 2-Butanone	4.51	43	88350	90.48	ug/l	99
26) 2,2-Dichloropropane	3.76	77	48337	19.88	ug/l	94
27) cis-1,2-Dichloroethene	3.63	96	47932	19.82	ug/l	94
28) Bromochloromethane	3.89	49	37689	24.98	ug/l	96
29) Tetrahydrofuran	4.27	42	42151	97.97	ug/l	98
30) Chloroform	4.04	83	111855	23.33	ug/l	99
31) Cyclohexane	3.88	56	50520	17.25	ug/l	91
32) 1,1,1-Trichloroethane	4.28	97	86955	24.29	ug/l	95
36) 1,1-Dichloropropene	4.45	75	64569	19.19	ug/l	95
37) Ethyl Acetate	4.29	43	42231	20.32	ug/l #	63
38) Carbon Tetrachloride	4.17	117	89556	24.56	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	67707	19.75	ug/l	94
40) Benzene	4.81	78	153700	19.68	ug/l	98
41) Methacrylonitrile	4.92	41	20570	20.14	ug/l #	91
42) 1,2-Dichloroethane	5.12	62	90140	25.74	ug/l	98
43) Isopropyl Acetate	7.11	43	49927	17.94	ug/l #	98
44) Trichloroethene	5.67	130	52841	21.66	ug/l	99
45) 1,2-Dichloropropane	6.40	63	43174	19.18	ug/l	96
46) Dibromomethane	6.26	93	37941	22.40	ug/l	94
47) Bromodichloromethane	6.55	83	92597	24.03	ug/l	99
48) Methyl methacrylate	6.88	41	32056	18.68	ug/l #	90
49) 1,4-Dioxane	6.89	88	4296	328.20	ug/l #	78
51) 4-Methyl-2-Pentanone	8.41	43	188204	98.64	ug/l	97
52) Toluene	7.77	92	118626	21.09	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	75640	20.27	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	87439	20.40	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	43771	21.48	ug/l	96
56) Ethyl methacrylate	8.76	69	47001	18.30	ug/l	93
57) 1,3-Dichloropropane	9.00	76	75069	21.53	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	20542	111.83	ug/l	100
59) 2-Hexanone	9.63	43	142992	94.75	ug/l	91
60) Dibromochloromethane	8.87	129	66118	22.58	ug/l	97
61) 1,2-Dibromoethane	9.13	107	52579	22.20	ug/l	97
64) Tetrachloroethene	8.31	164	56729	21.83	ug/l	97
65) Chlorobenzene	9.94	112	143475	20.45	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	65310	23.40	ug/l	96
67) Ethyl Benzene	10.04	91	253275	20.77	ug/l	97
68) m/p-Xylenes	10.27	106	180067	39.45	ug/l	84
69) o-Xylene	10.83	106	102222	20.72	ug/l	86
70) Styrene	10.90	104	156315	20.94	ug/l	98
71) Bromoform	10.89	173	41910	22.11	ug/l #	93
73) Isopropylbenzene	11.22	105	300361	19.56	ug/l	94
74) N-amyl acetate	11.46	43	94724	17.27	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	69182	19.00	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	51552	19.17	ug/l	99
77) Bromobenzene	11.60	156	75525	19.54	ug/l	84
78) n-propylbenzene	11.69	91	353254	19.44	ug/l	97
79) 2-Chlorotoluene	11.82	91	219243	20.42	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	255903	20.14	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	27512	15.78	ug/l	89
82) 4-Chlorotoluene	11.99	91	233493	20.43	ug/l	100
83) tert-Butylbenzene	12.22	119	260668	20.66	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	274633	20.86	ug/l	93
85) sec-Butylbenzene	12.39	105	342247	19.96	ug/l	96
86) p-Isopropyltoluene	12.54	119	284293	20.19	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	148145	20.76	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	141239	20.54	ug/l	97
89) n-Butylbenzene	12.92	91	293407	18.15	ug/l	93
90) Hexachloroethane	13.00	117	71160	20.52	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	149822	21.80	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	13111	18.36	ug/l	77

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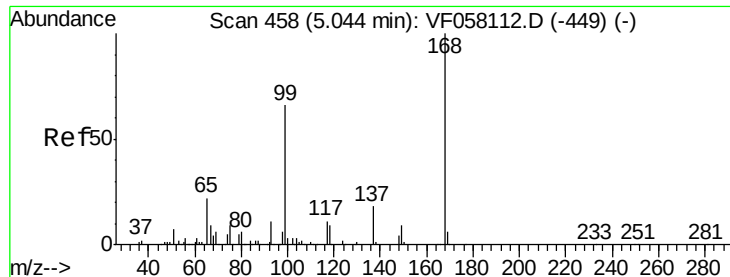
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	102668	21.36	ug/l	94
94) Hexachlorobutadiene	14.26	225	57188	20.56	ug/l	97
95) Naphthalene	14.53	128	201269	19.60	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	90877	20.46	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion:168 Resp: 217498

Ion Ratio Lower Upper

168 100

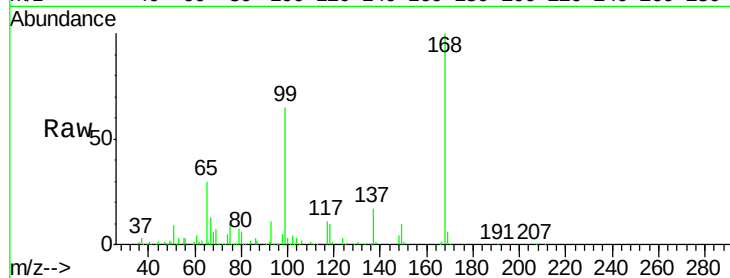
99 65.1 52.9 79.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

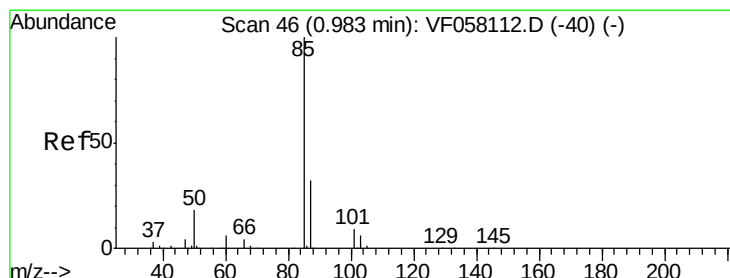
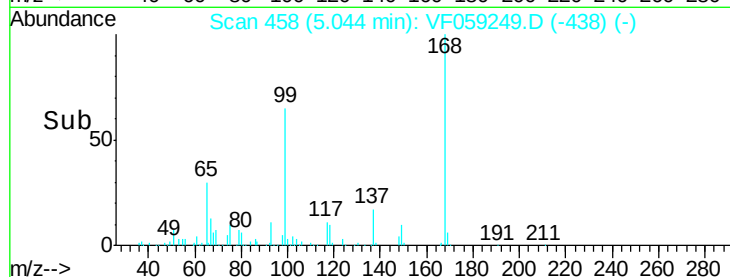
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 19.98 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059249.D

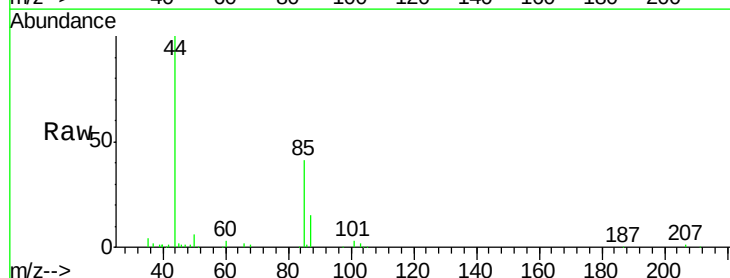
Acq: 21 Jun 2018 3:56

Tgt Ion: 85 Resp: 49190

Ion Ratio Lower Upper

85 100

87 35.9 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

15000

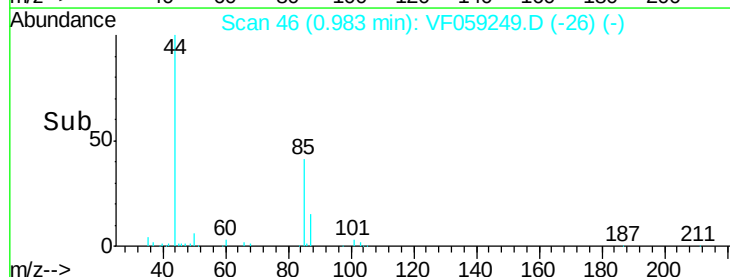
10000

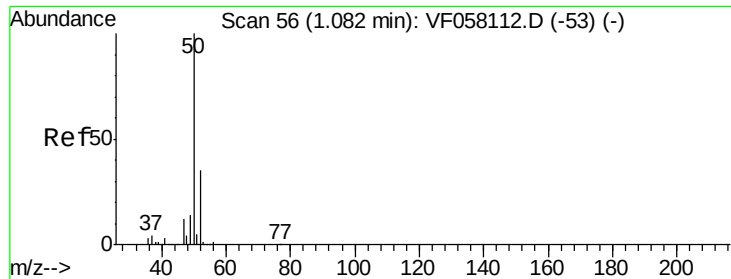
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 14.89 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 50 Resp: 28385

Ion Ratio Lower Upper

50 100

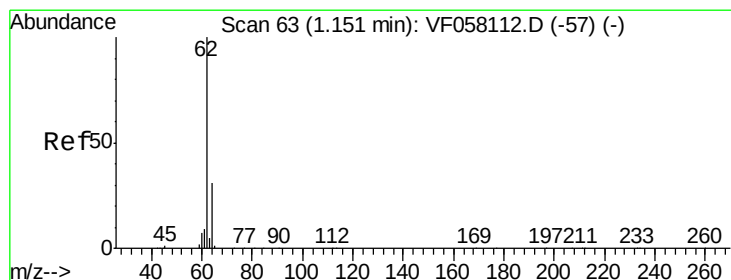
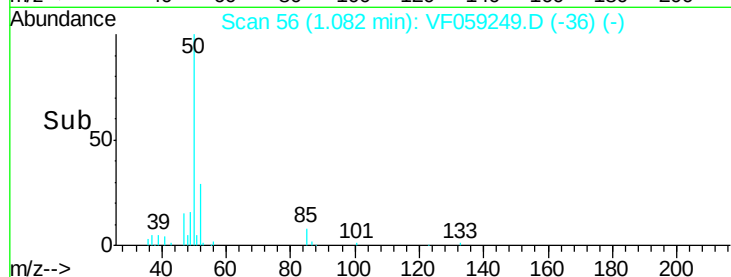
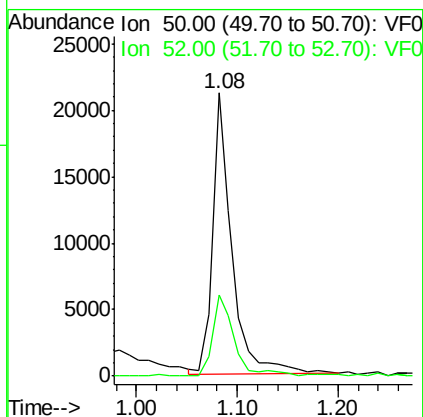
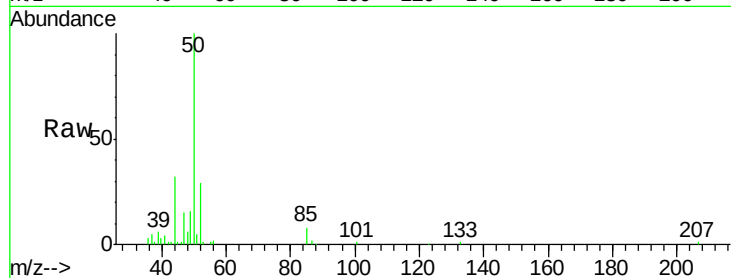
52 28.7 27.3 40.9

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#4

Vinyl Chloride

Concen: 17.31 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059249.D

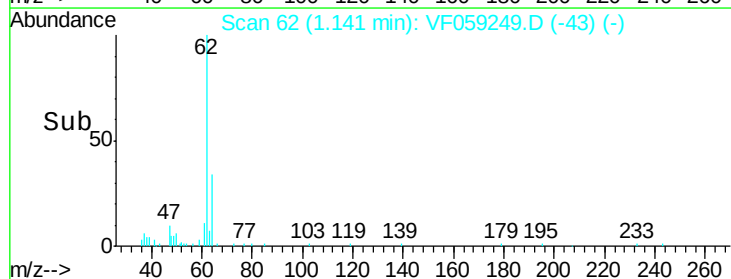
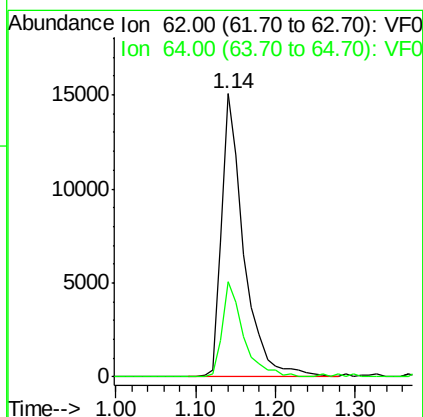
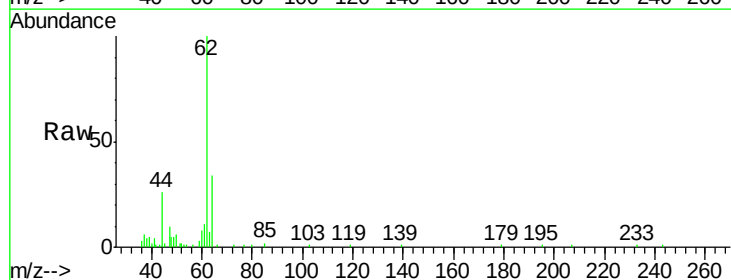
Acq: 21 Jun 2018 3:56

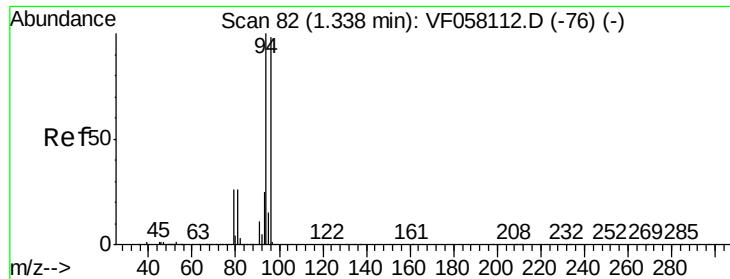
Tgt Ion: 62 Resp: 29782

Ion Ratio Lower Upper

62 100

64 33.7 25.0 37.6





#5

Bromomethane

Concen: 19.47 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

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ClientSampleId :

VF0620SBS02

Tot Ion: 94 Resp: 19512

Ion Ratio Lower Upper

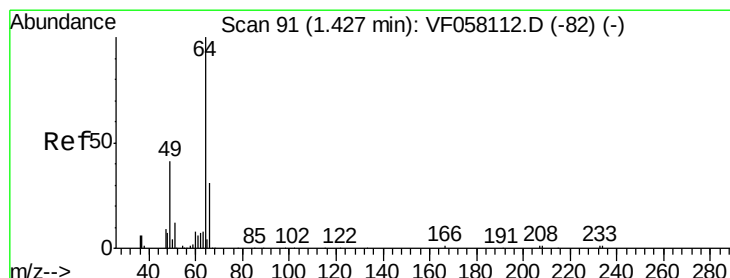
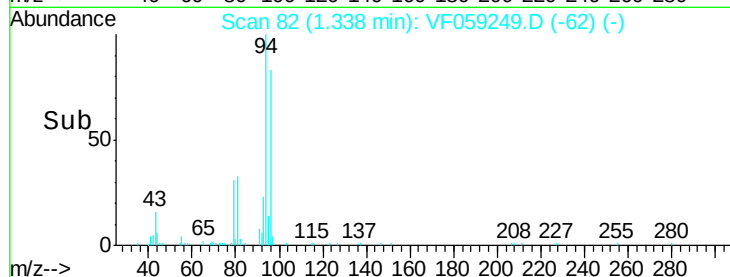
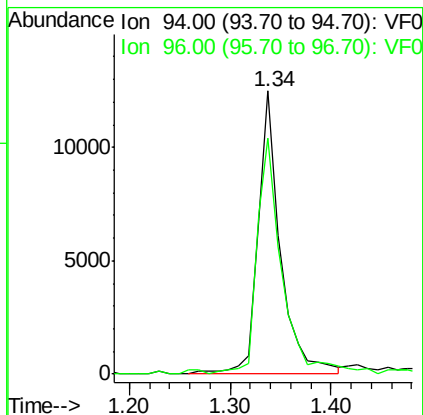
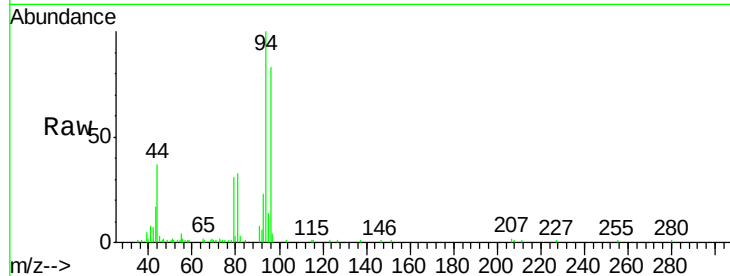
94 100

96 83.5 78.6 117.8

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#6

Chloroethane

Concen: 20.58 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059249.D

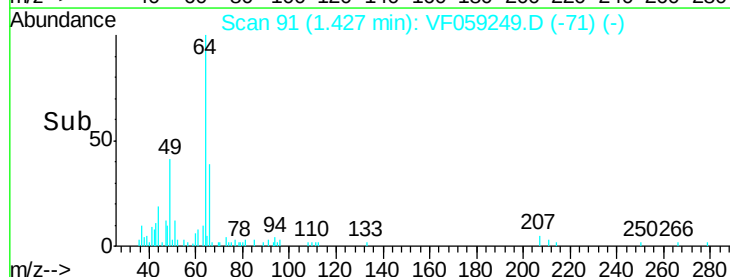
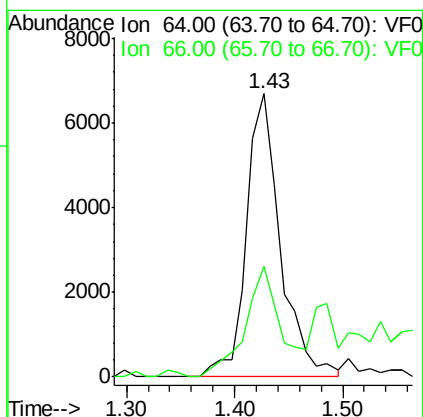
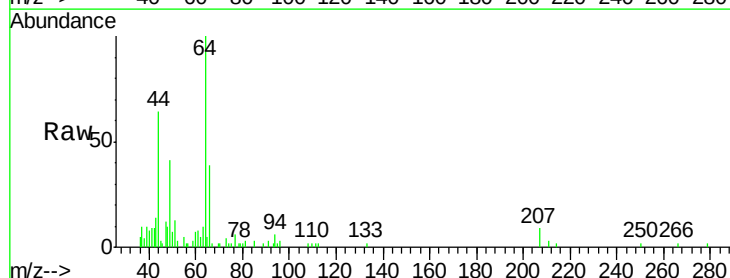
Acq: 21 Jun 2018 3:56

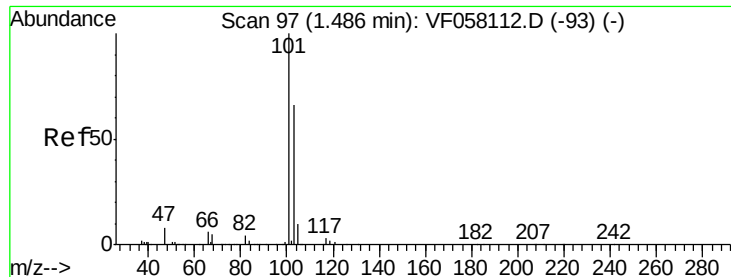
Tgt Ion: 64 Resp: 14689

Ion Ratio Lower Upper

64 100

66 39.3 24.9 37.3#





#7

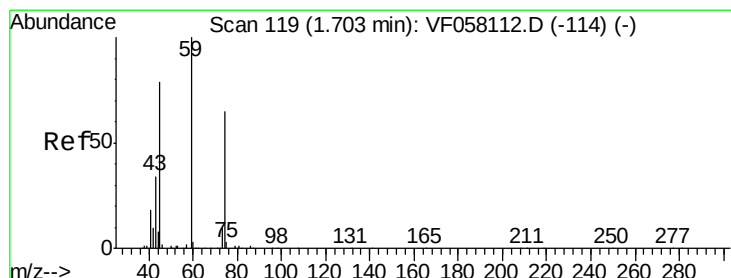
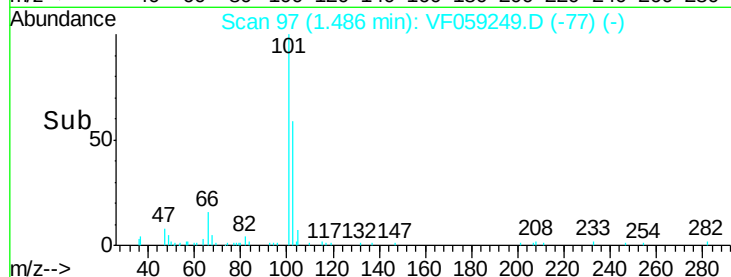
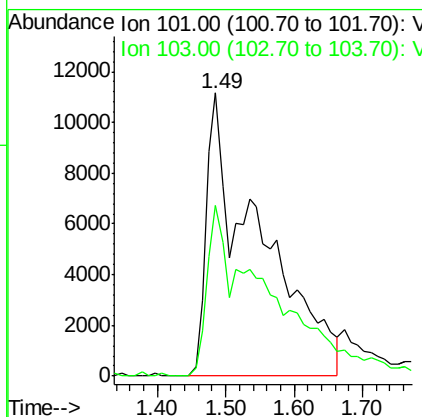
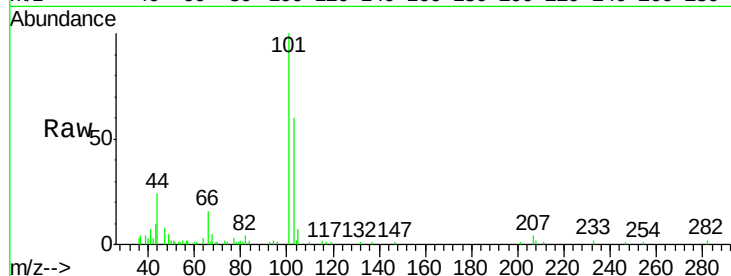
Trichlorofluoromethane
Concen: 22.21 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

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ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	53.4	80.2

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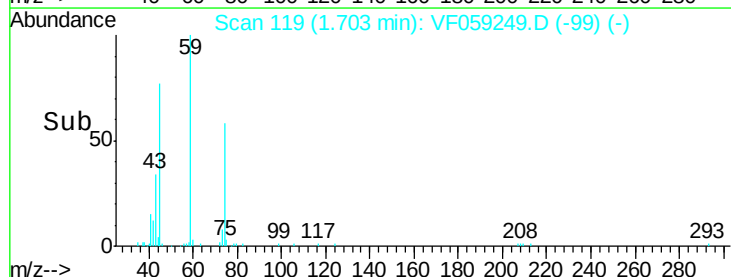
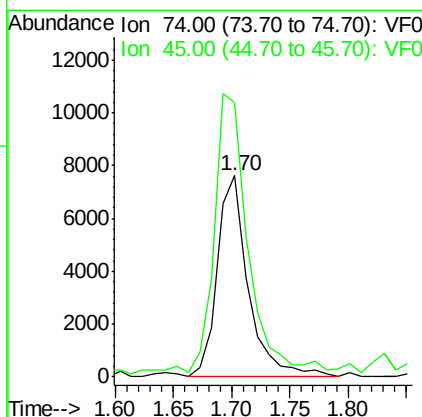
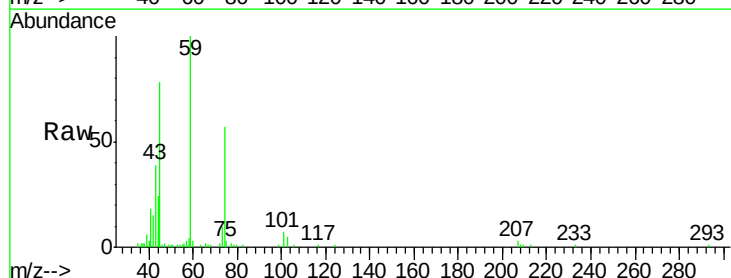
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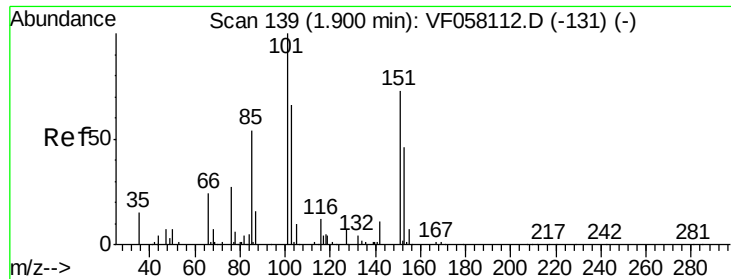


#8

Diethyl Ether
Concen: 20.94 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.5	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.94 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

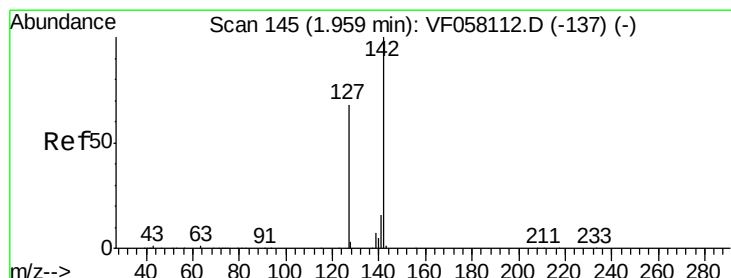
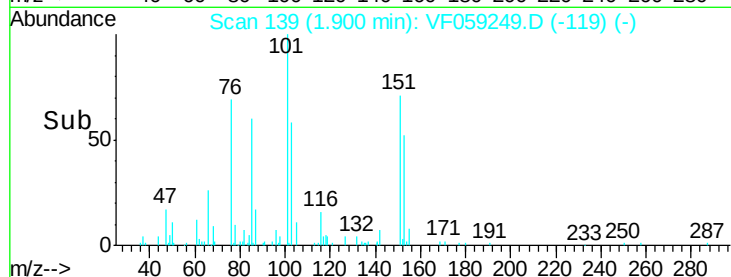
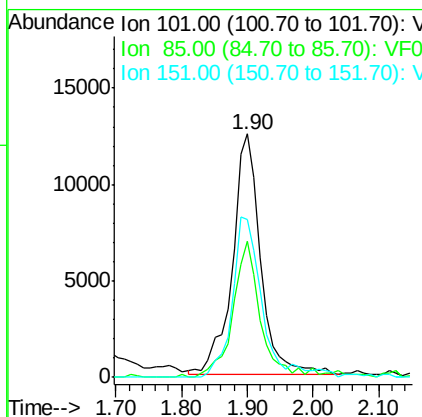
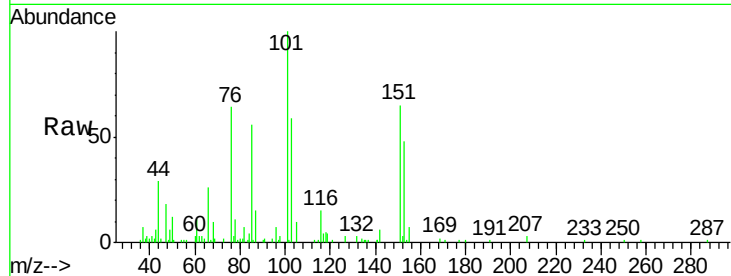
ClientSampleId :

VF0620SBS02

Tot Ion:	101	Resp:	37397
Ion Ratio	Lower	Upper	
101	100		
85	56.8	42.2	63.4
151	65.0	56.8	85.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.09 ug/l

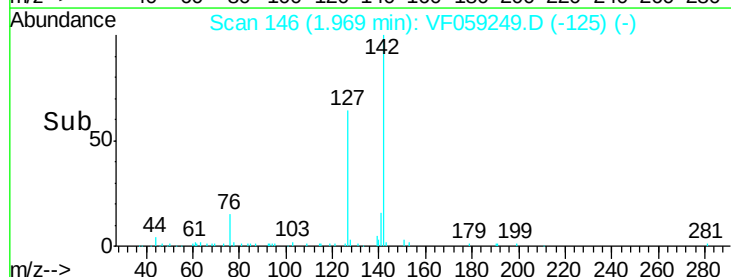
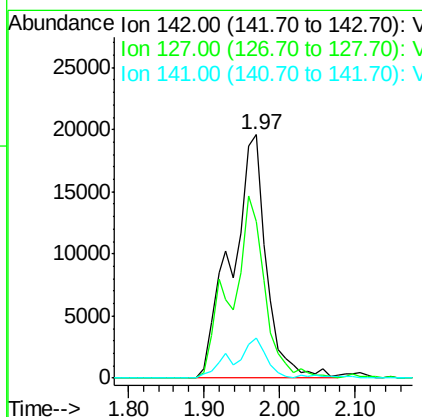
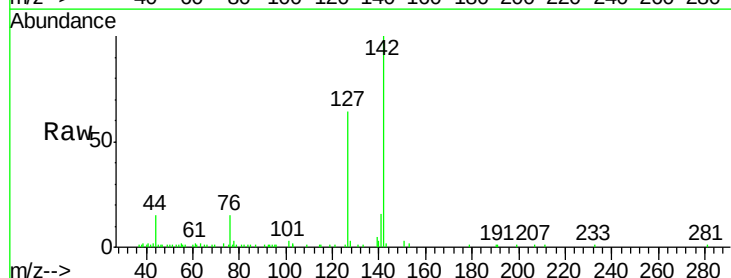
RT: 1.97 min Scan# 146

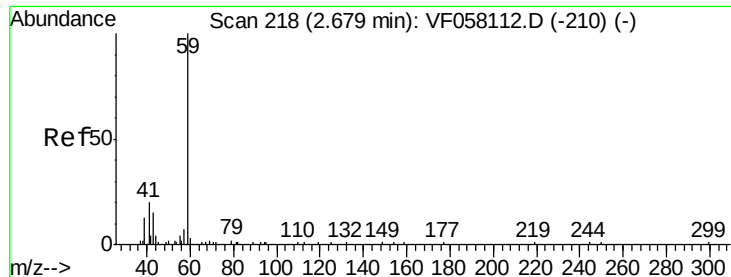
Delta R.T. 0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion:	142	Resp:	62898
Ion Ratio	Lower	Upper	
142	100		
127	64.2	54.1	81.1
141	16.4	13.0	19.4





#11

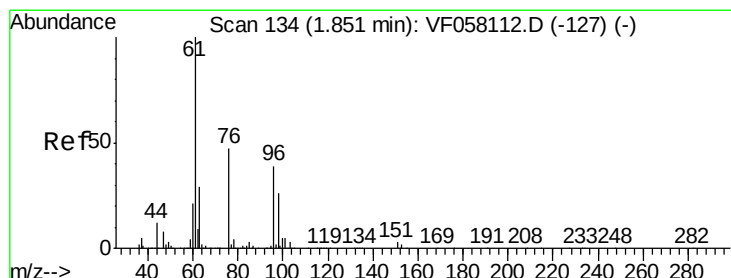
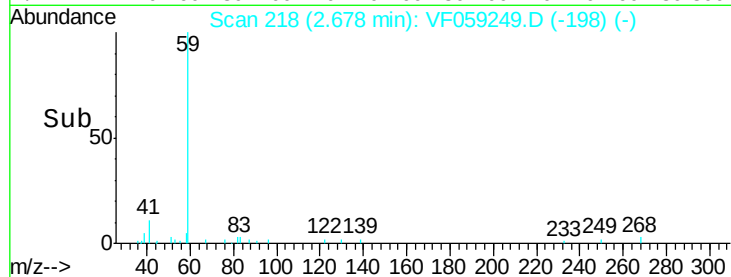
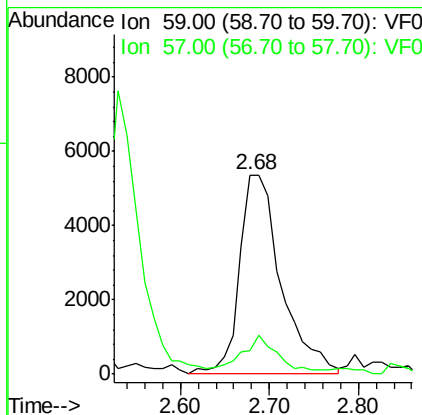
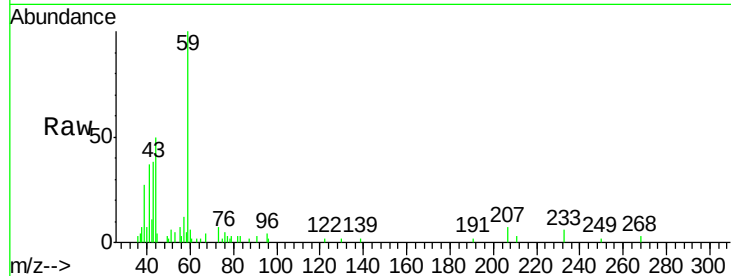
Tert butyl alcohol
 Concen: 103.28 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: VF059249.D
 Acq: 21 Jun 2018 3:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.7	13.1

Manual Integrations
 APPROVED

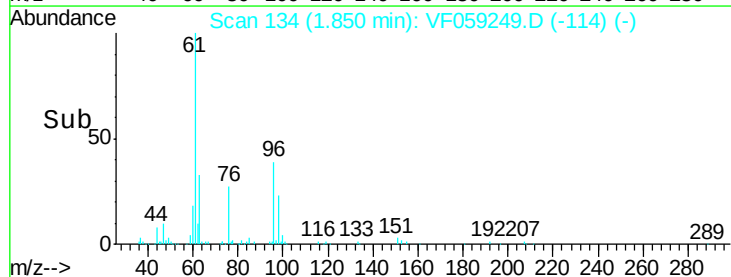
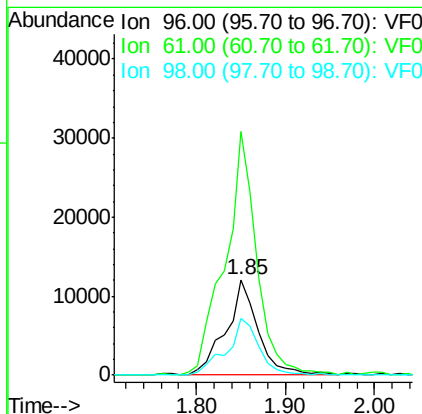
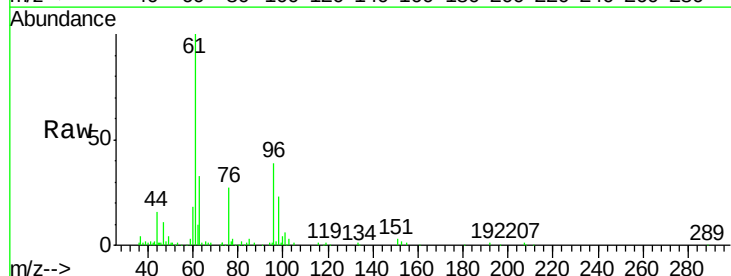
apatel
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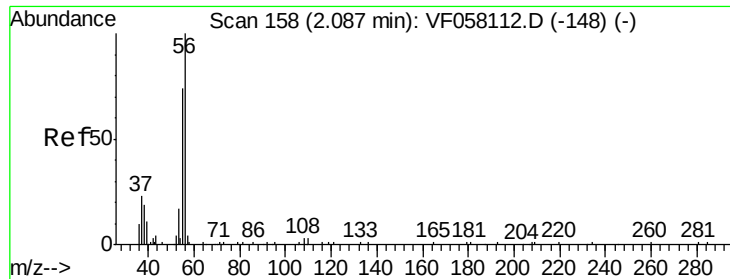


#12

1,1-Dichloroethene
 Concen: 21.30 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VF059249.D
 Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	255.8	203.0	304.4
98	59.1	52.7	79.1





#13

Acrolein

Concen: 60.48 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 56 Resp: 8848

Ion Ratio Lower Upper

56 100

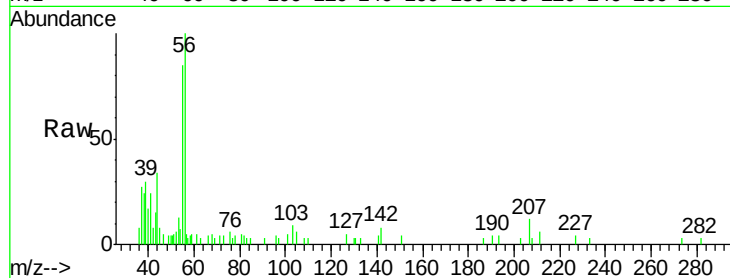
55 84.9 60.0 90.0

Manual Integrations

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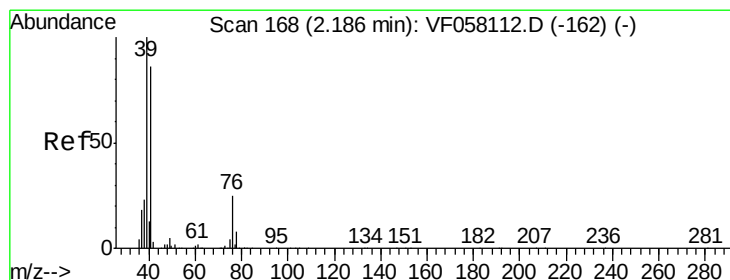
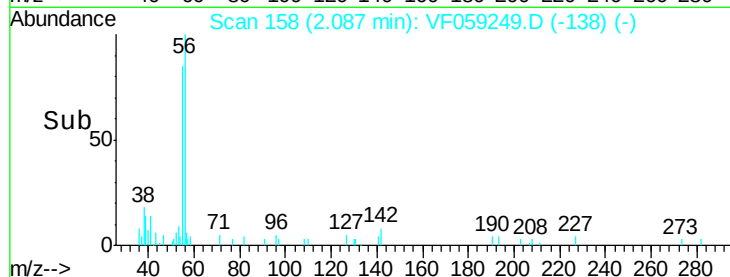
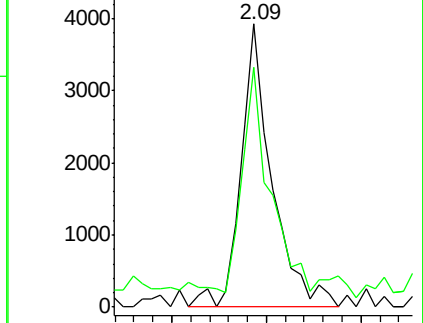
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 19.37 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

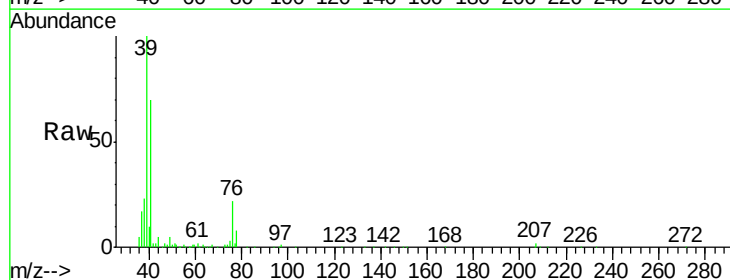
Tgt Ion: 41 Resp: 54489

Ion Ratio Lower Upper

41 100

39 143.4 93.5 140.3#

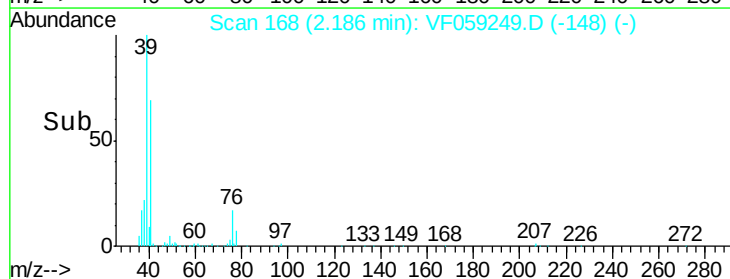
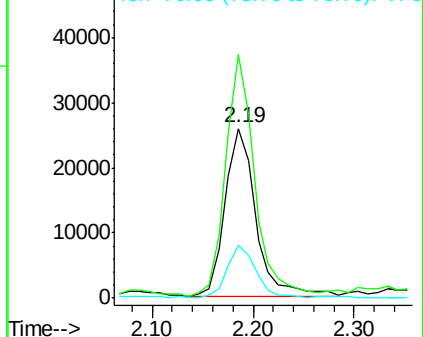
76 31.2 23.9 35.9

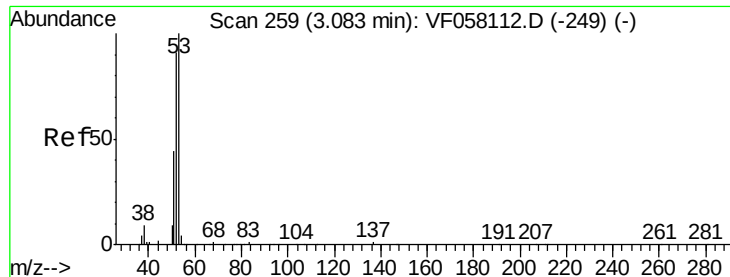


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 108.91 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

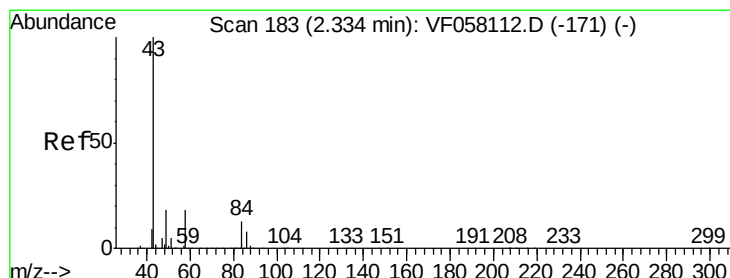
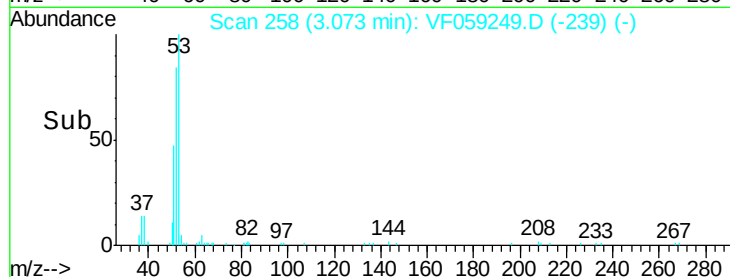
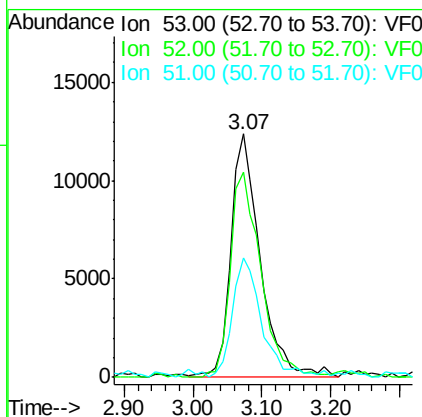
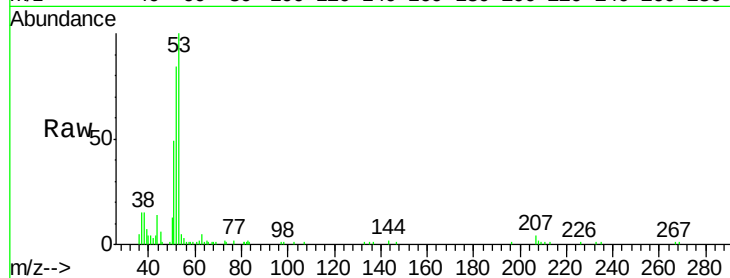
ClientSampleId :

VF0620SBS02

Tot Ion:	53	Resp:	36557
Ion Ratio	Lower	Upper	
53	100		
52	84.1	73.2	109.8
51	49.0	35.6	53.4

Manual Integrations
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#16

Acetone

Concen: 91.61 ug/l

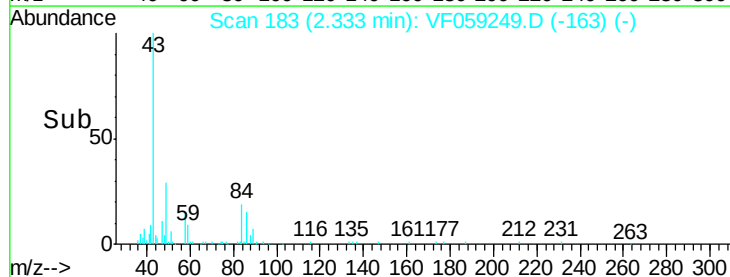
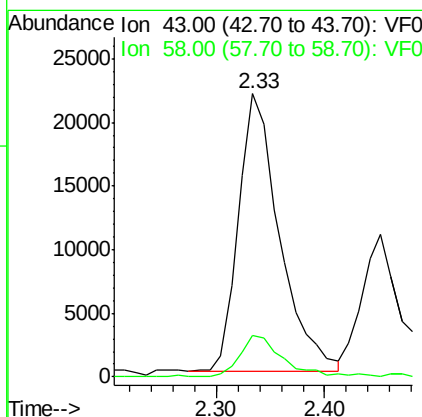
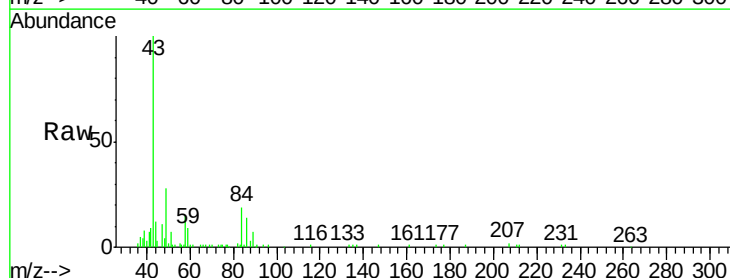
RT: 2.33 min Scan# 183

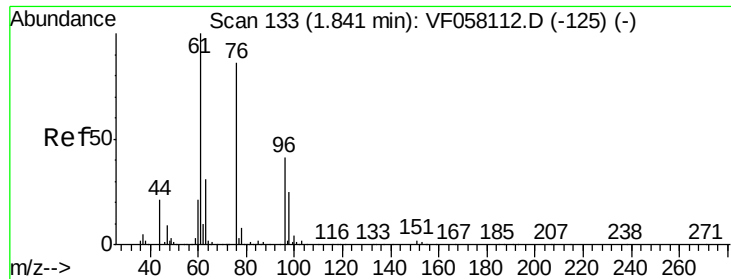
Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion:	43	Resp:	57693
Ion Ratio	Lower	Upper	
43	100		
58	14.6	14.4	21.6





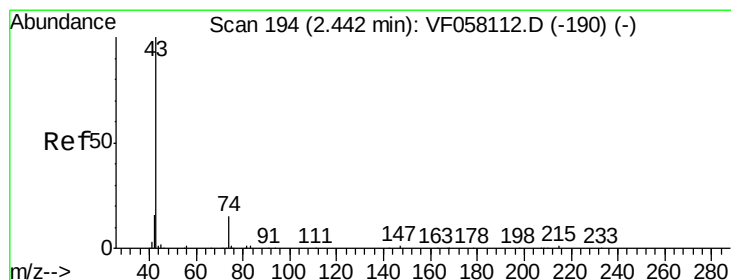
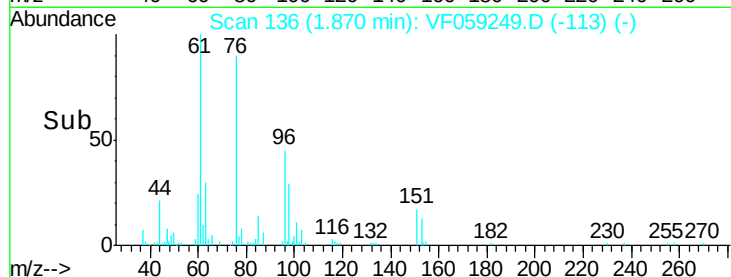
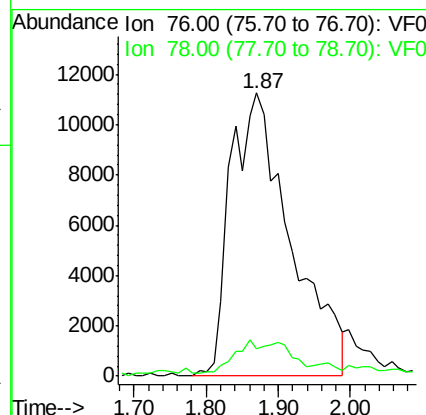
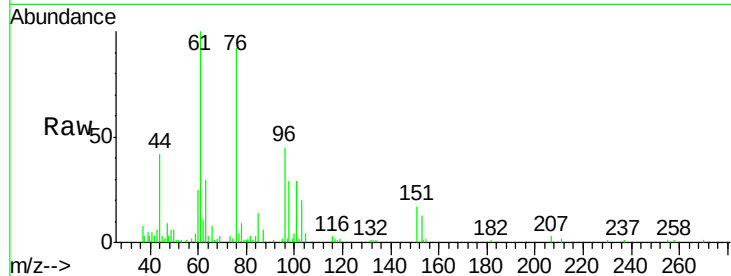
#17
Carbon Disulfide
Concen: 16.23 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.03 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.8	11.8

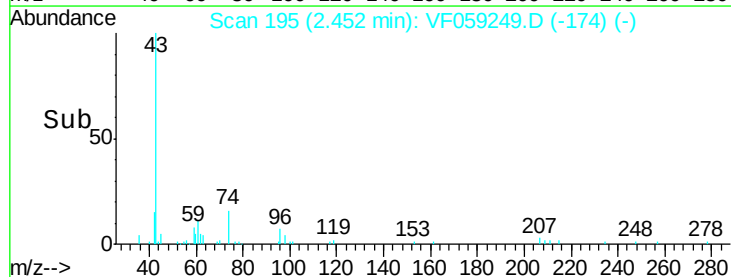
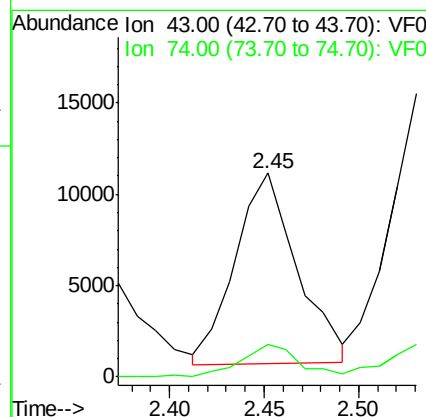
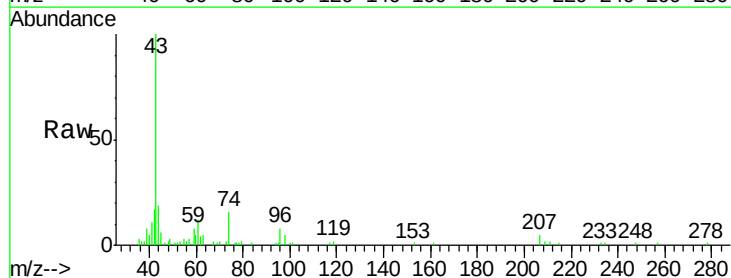
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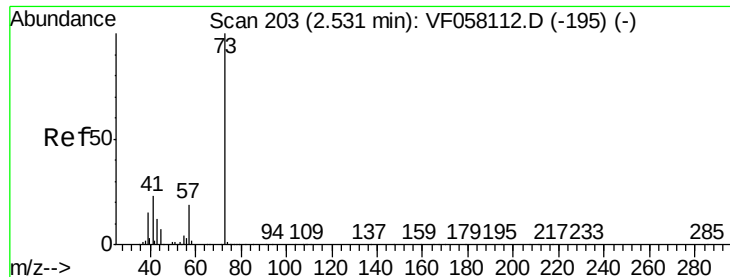
apatel
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#18
Methyl Acetate
Concen: 21.97 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.1	10.9	16.3





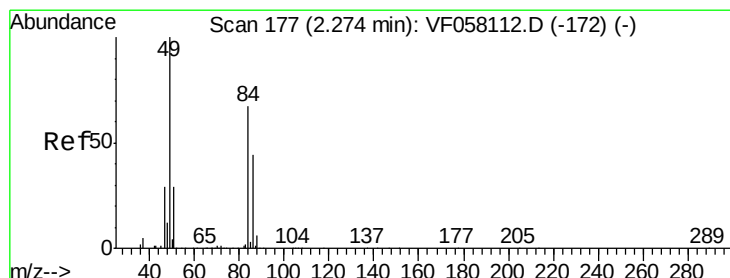
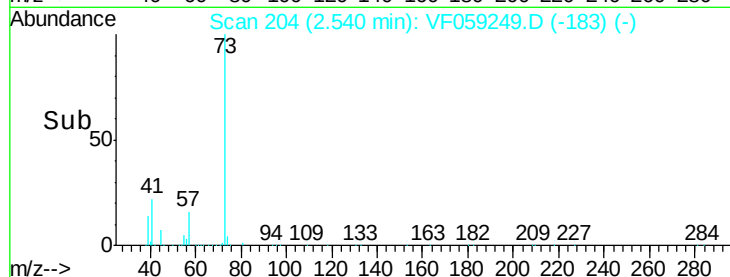
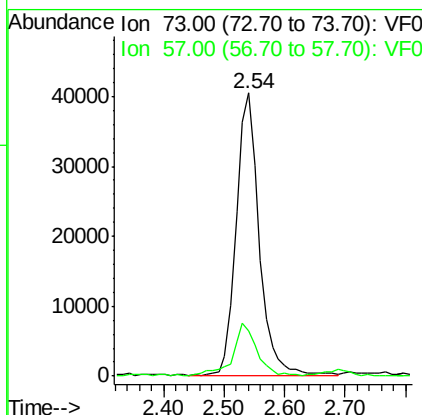
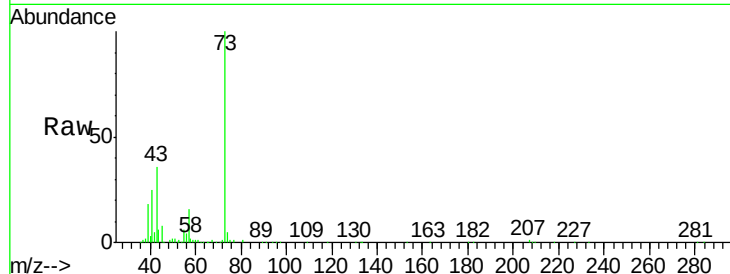
#19
Methyl tert-butyl Ether
Concen: 24.30 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.9	15.0	22.4

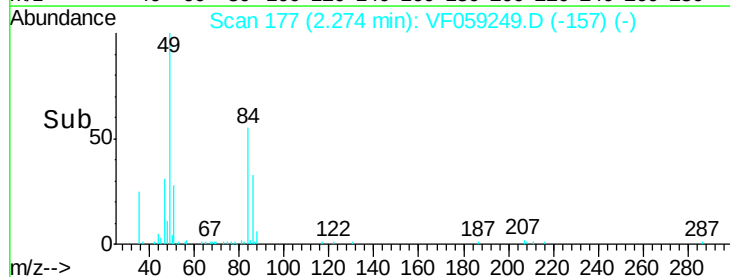
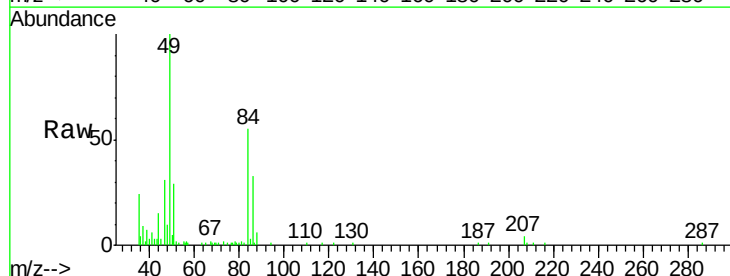
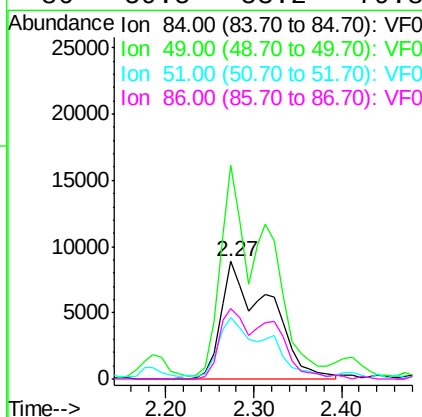
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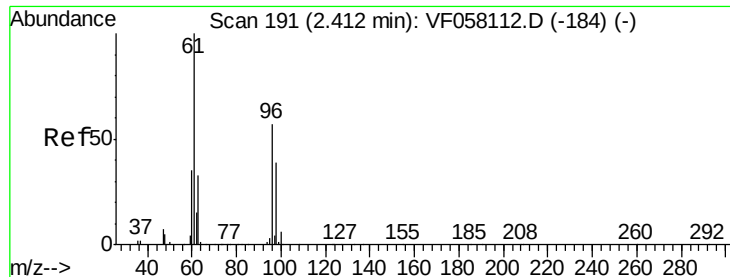
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#20
Methylene Chloride
Concen: 22.36 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	181.9	121.0	181.4#
51	52.2	35.8	53.6
86	59.5	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 21.67 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

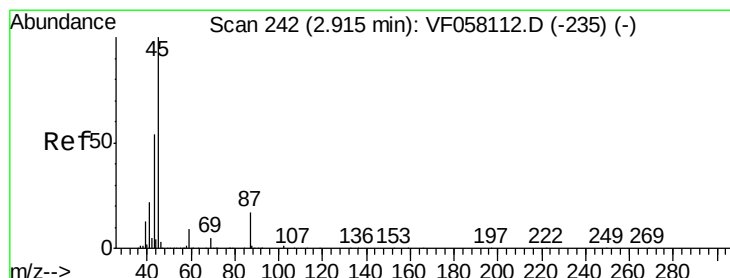
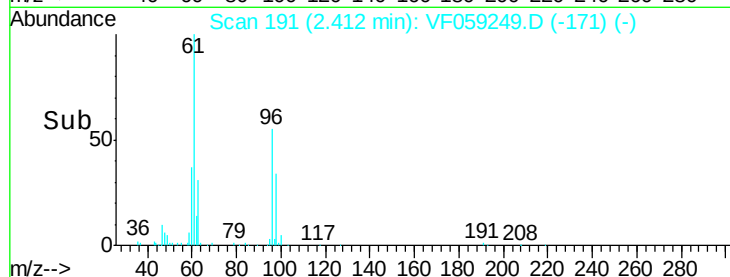
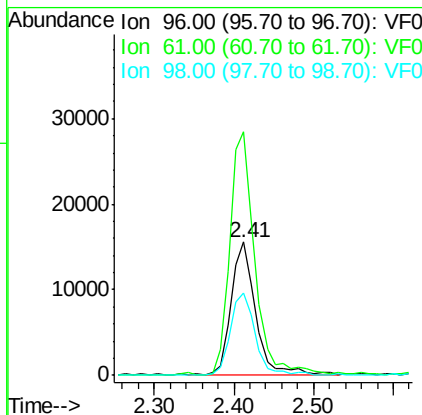
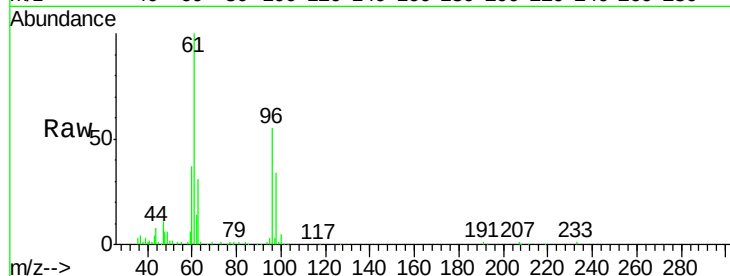
ClientSampleId :

VF0620SBS02

Tot Ion:	96	Resp:	34063
Ion Ratio	Lower	Upper	
96	100		
61	183.1	139.4	209.2
98	61.6	54.0	81.0

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#22

Diisopropyl ether

Concen: 21.15 ug/l

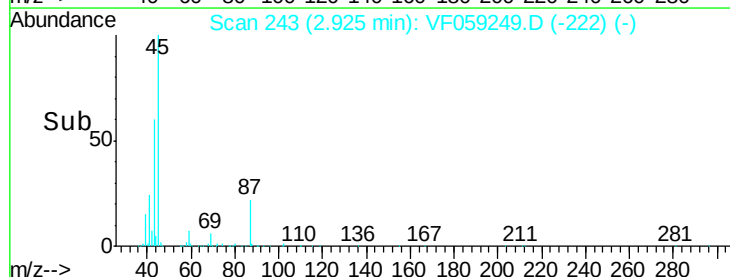
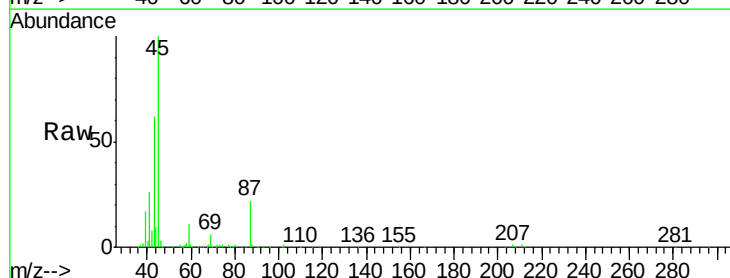
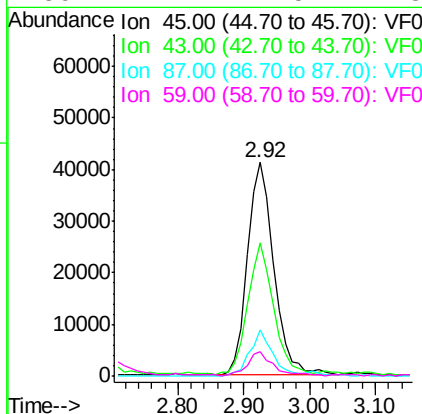
RT: 2.92 min Scan# 243

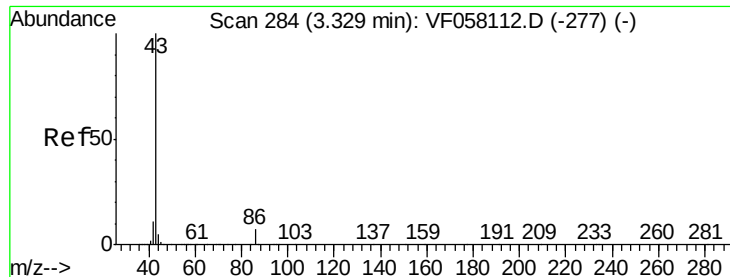
Delta R.T. 0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion:	45	Resp:	116964
Ion Ratio	Lower	Upper	
45	100		
43	62.1	43.2	64.8
87	21.7	13.8	20.6
59	11.1	7.5	11.3





#23

Vinyl Acetate

Concen: 103.28 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 43 Resp: 376534

Ion Ratio Lower Upper

43 100

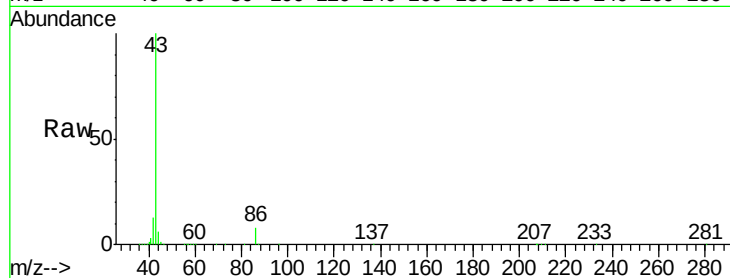
86 7.9 6.0 9.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

150000

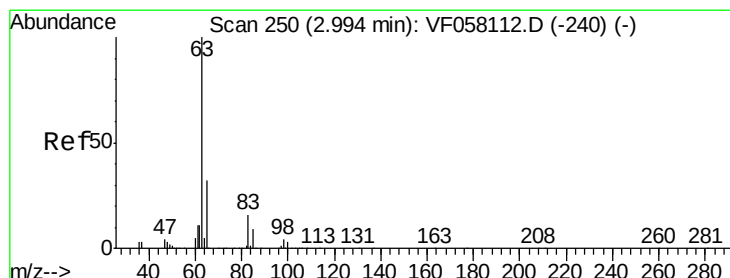
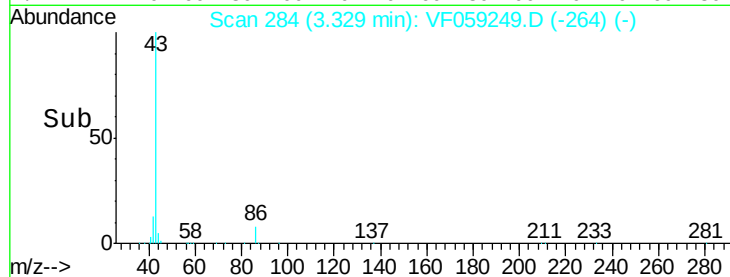
3.33

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.60 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

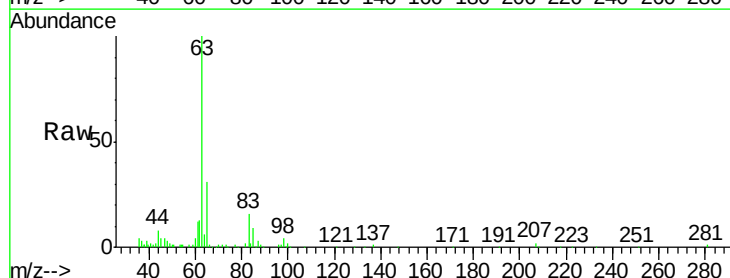
Tgt Ion: 63 Resp: 79120

Ion Ratio Lower Upper

63 100

98 3.5 2.0 6.0

100 1.9 1.4 4.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

40000

3.00

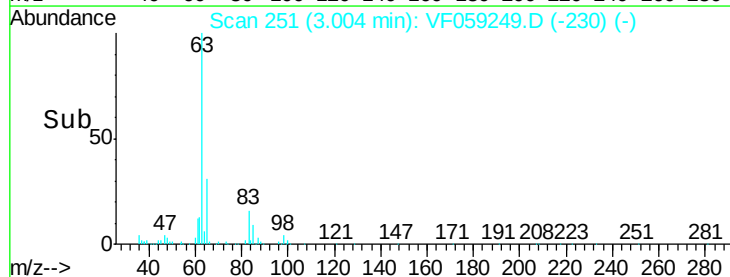
30000

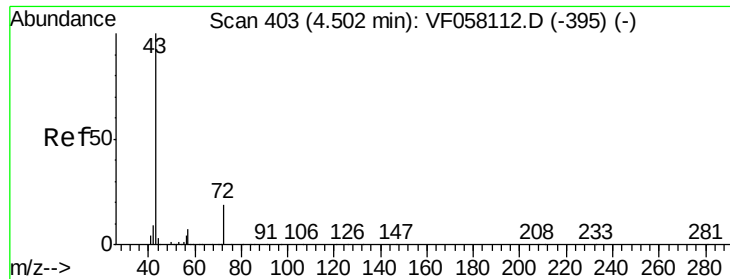
20000

10000

0

Time-->





#25

2-Butanone

Concen: 90.48 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 43 Resp: 88350

Ion Ratio Lower Upper

43 100

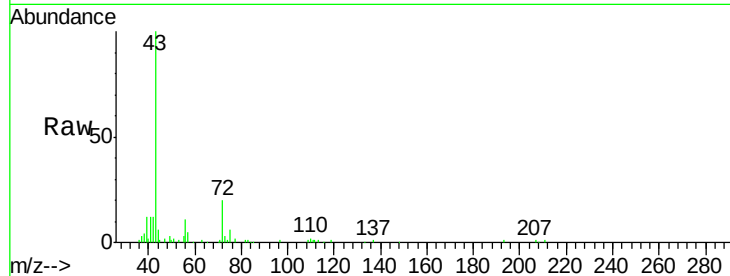
72 20.4 16.1 24.1

Manual Integrations

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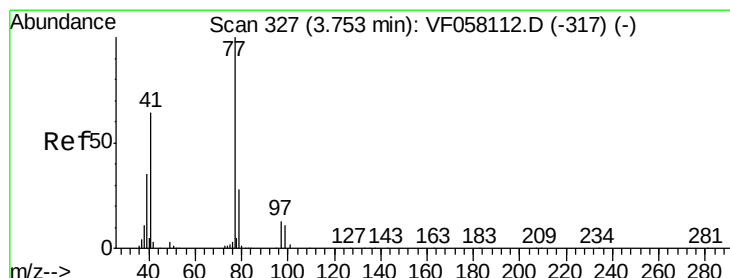
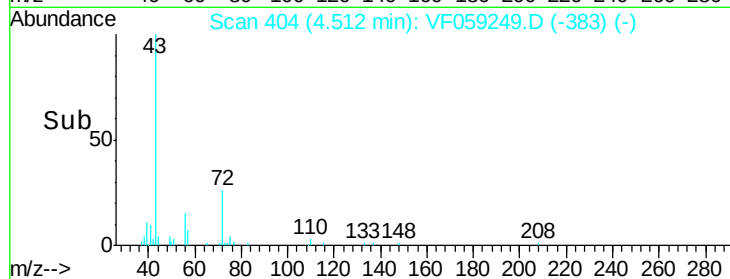
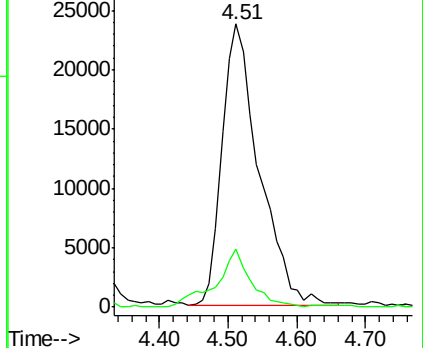
apatel

6/21/2018 9:46:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 19.88 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059249.D

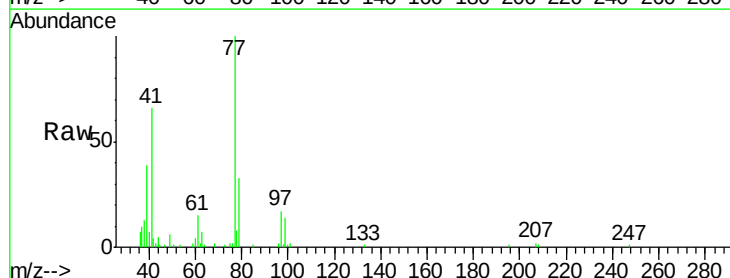
Acq: 21 Jun 2018 3:56

Tgt Ion: 77 Resp: 48337

Ion Ratio Lower Upper

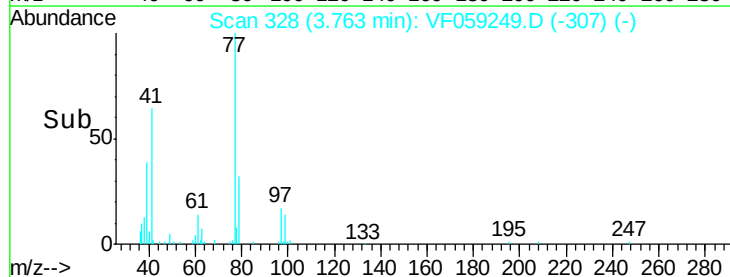
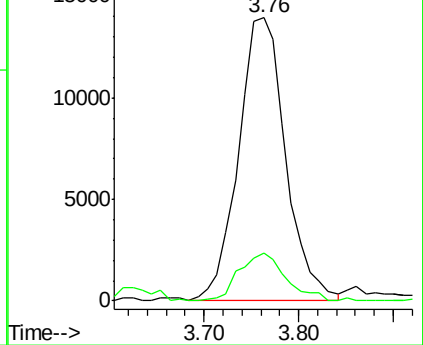
77 100

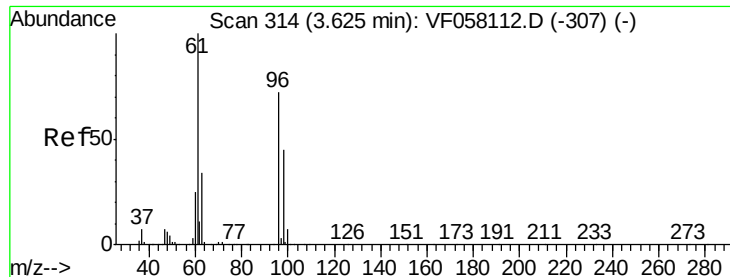
97 17.0 7.2 21.6



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

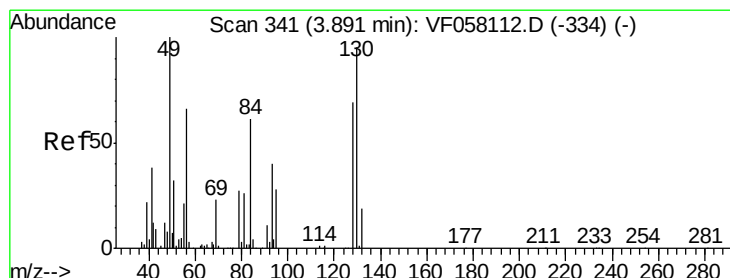
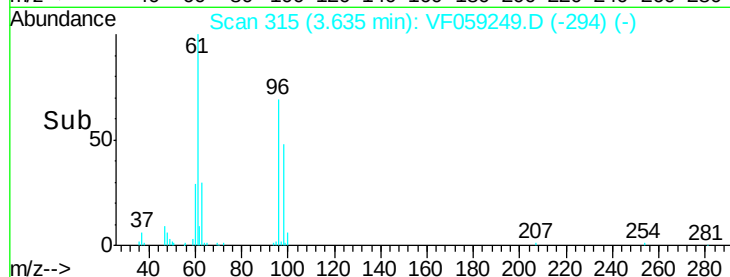
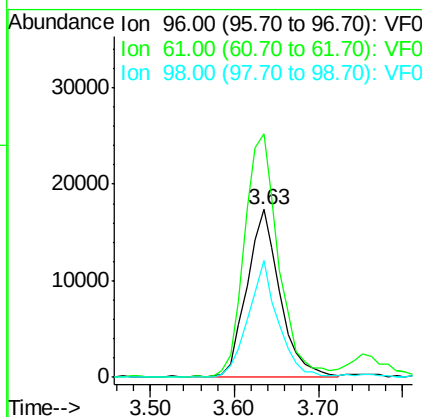
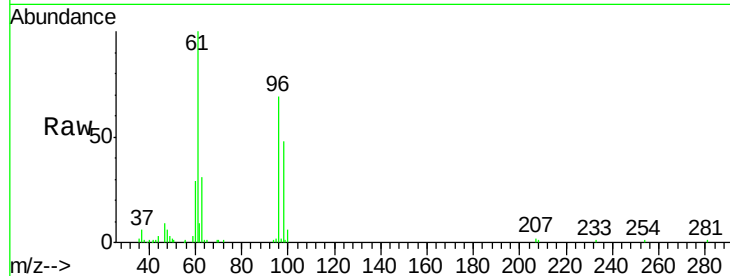
cis-1,2-Dichloroethene
Concen: 19.82 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	47932		
61	145.0		0.0	278.6
98	69.8		0.0	125.2

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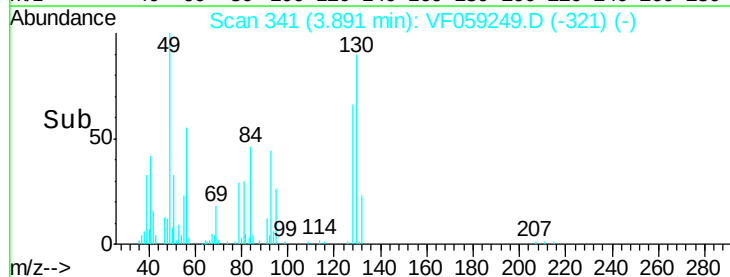
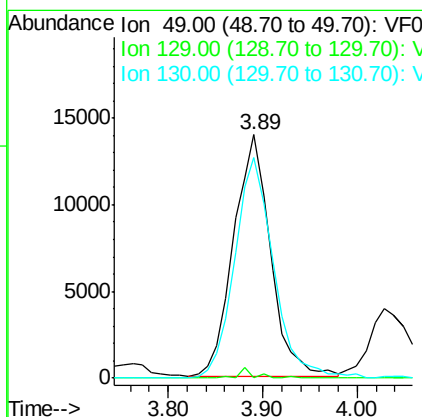
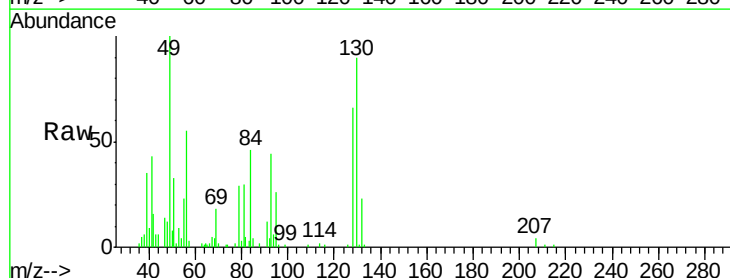
apatel
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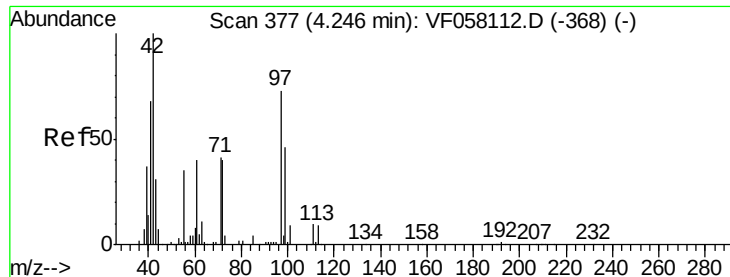


#28

Bromochloromethane
Concen: 24.98 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	37689		
129	0.0		0.0	0.0
130	90.4		75.8	113.8





#29

Tetrahydrofuran

Concen: 97.97 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.02 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

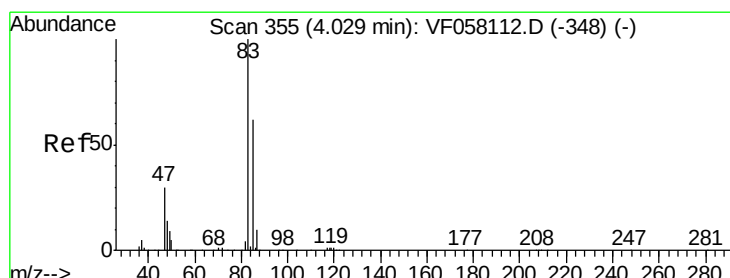
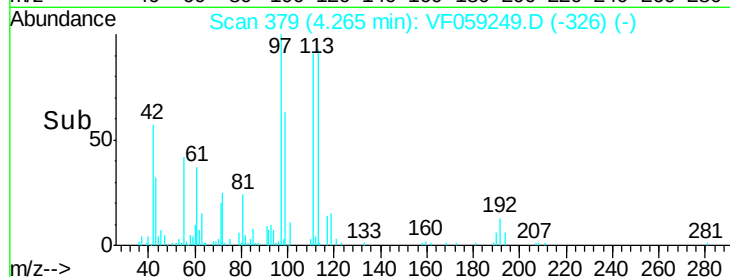
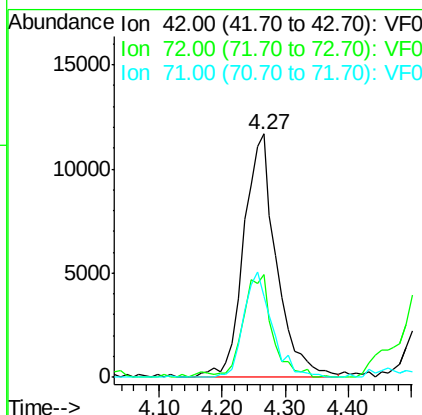
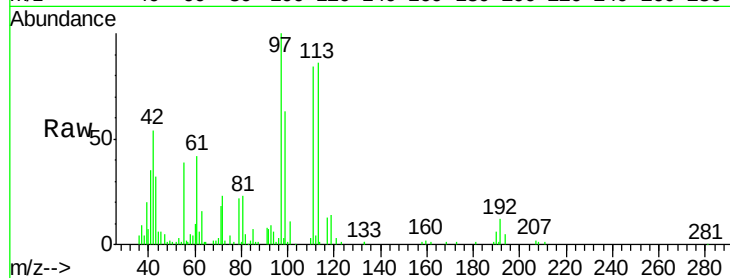
ClientSampleId :

VF0620SBS02

Tot Ion	42	Resp	42151
Ion Ratio	Lower	Upper	
42	100		
72	37.5	30.5	45.7
71	37.3	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 23.33 ug/l

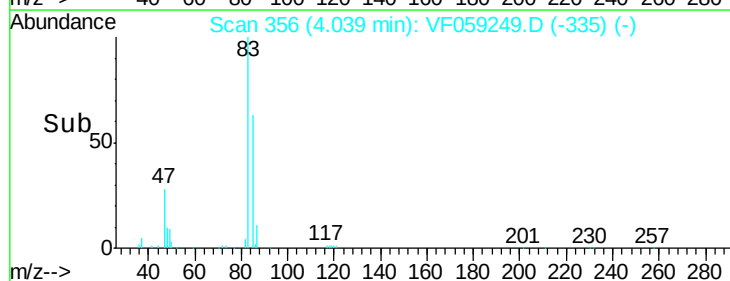
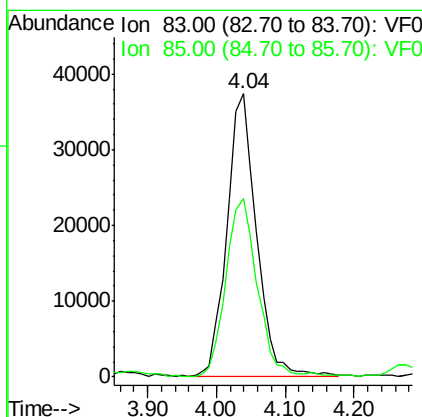
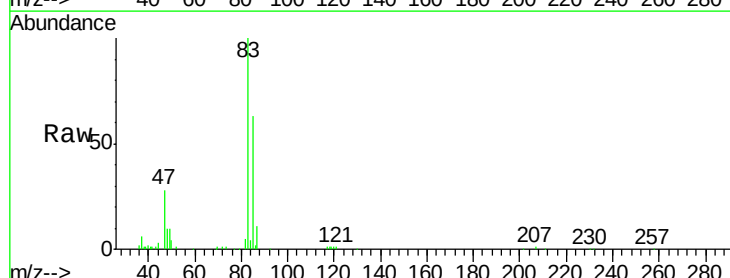
RT: 4.04 min Scan# 356

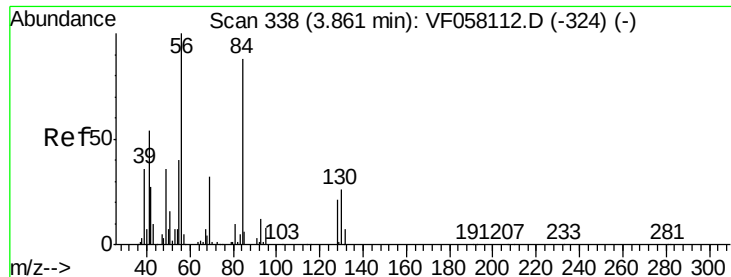
Delta R.T. 0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion	83	Resp	111855
Ion Ratio	Lower	Upper	
83	100		
85	63.0	49.5	74.3





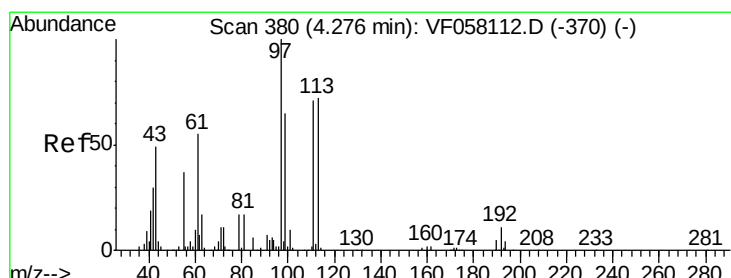
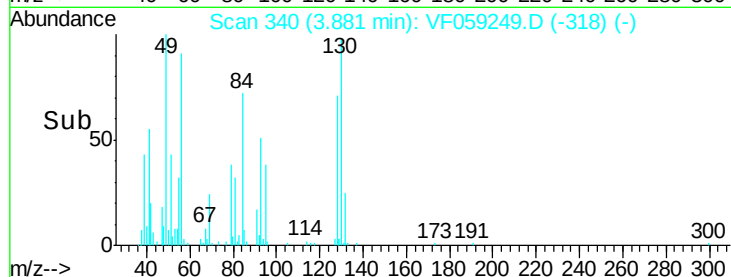
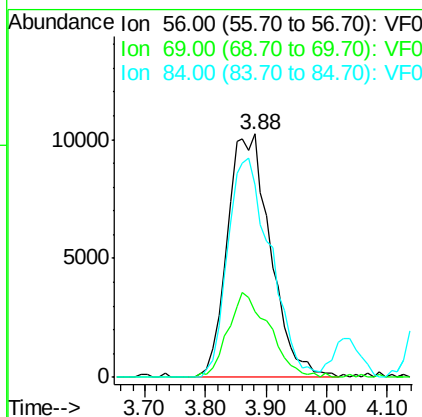
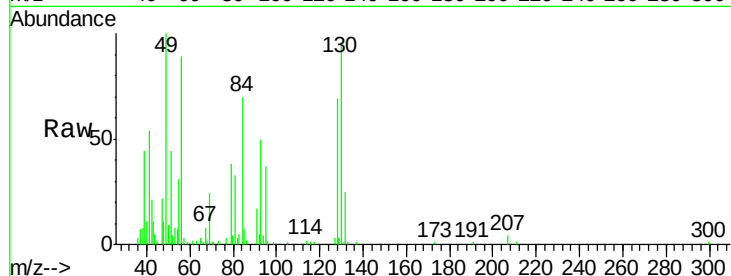
#31
Cyclohexane
Concen: 17.25 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.0	25.9	38.9
84	79.2	70.3	105.5

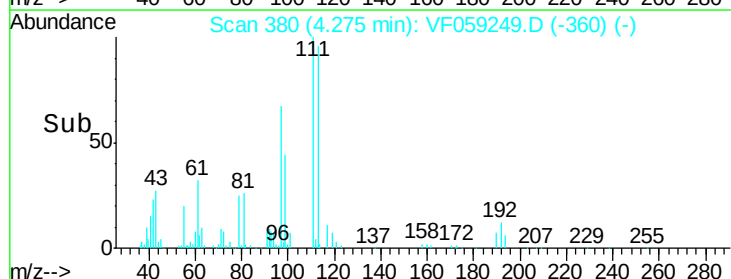
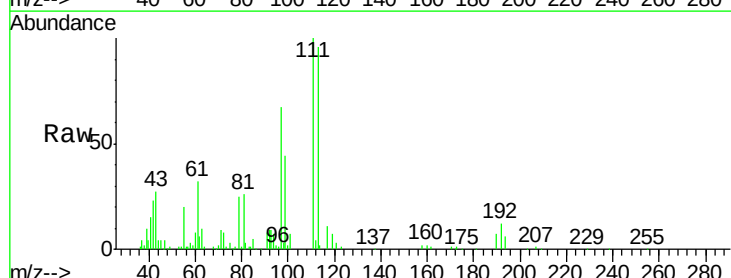
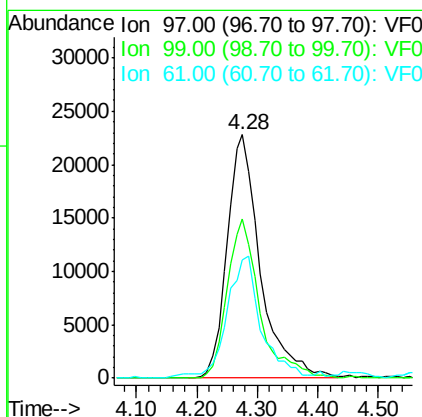
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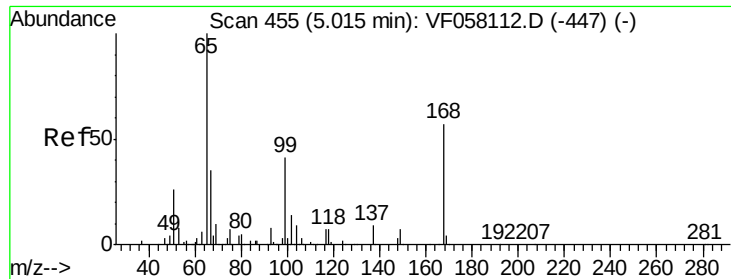
apatel
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#32
1,1,1-Trichloroethane
Concen: 24.29 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.0	78.0
61	48.6	44.3	66.5





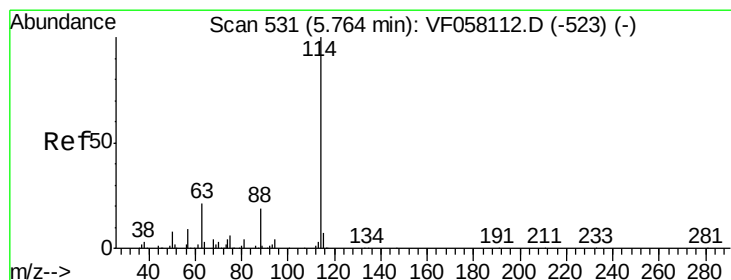
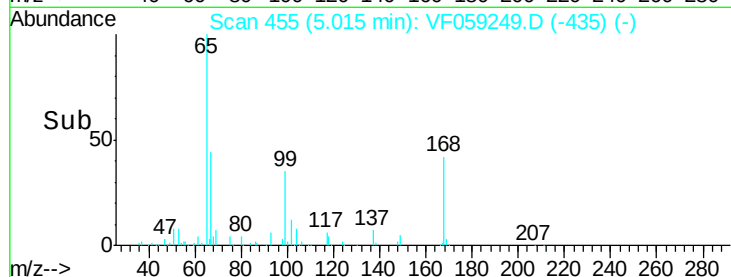
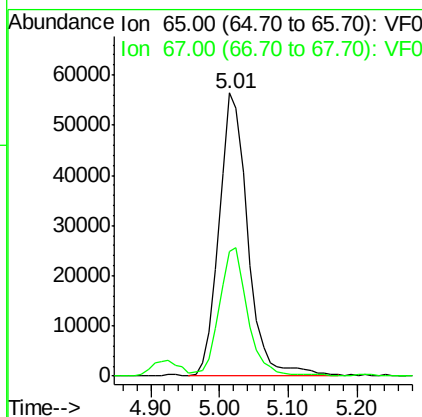
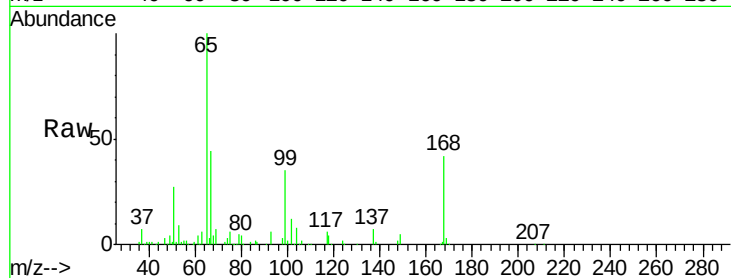
#33
 1,2-Dichloroethane-d4
 Concen: 61.40 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059249.D
 Acq: 21 Jun 2018 3:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	161966		
67	43.8	0.0	97.0	

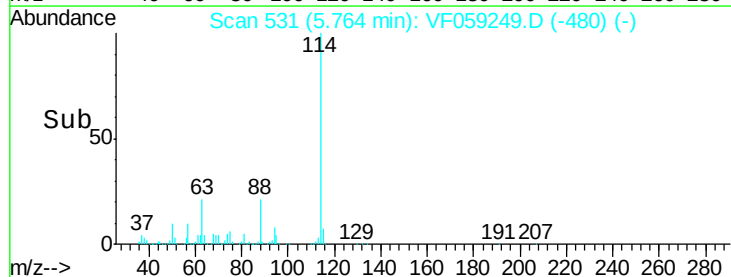
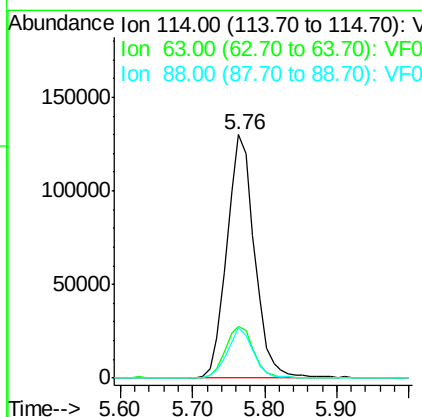
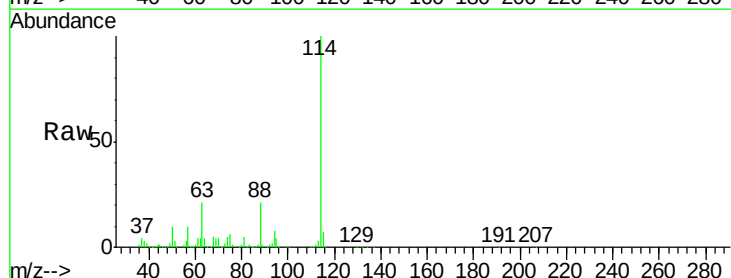
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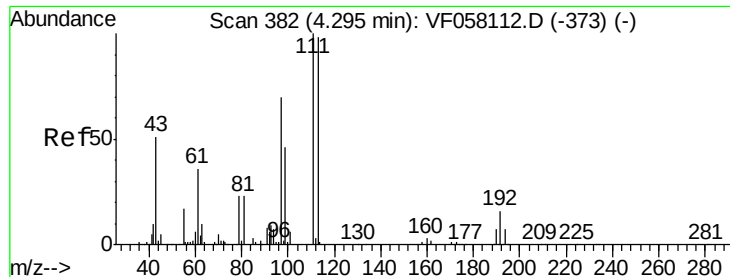
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059249.D
 Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	347059		
63	21.1	0.0	41.6	
88	20.7	0.0	38.8	





#35

Dibromofluoromethane

Concen: 58.76 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

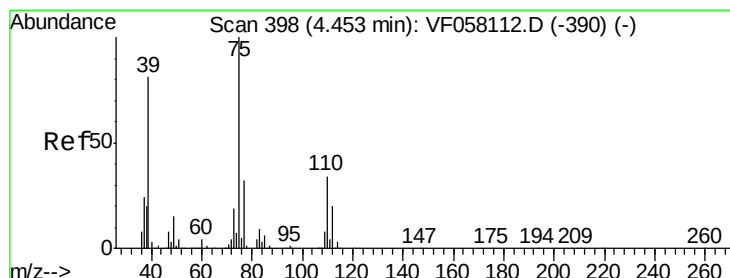
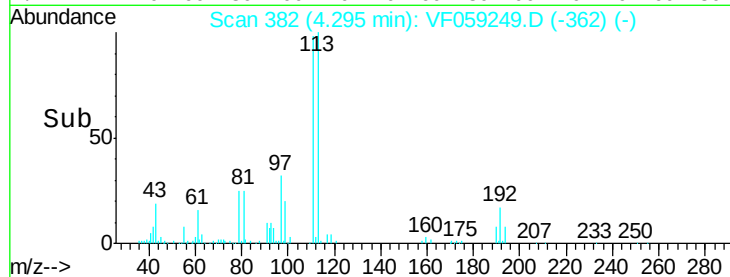
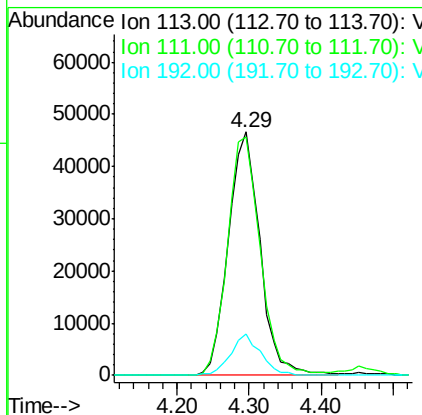
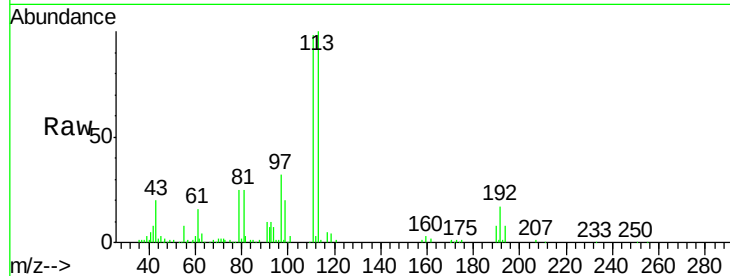
ClientSampleId :

VF0620SBS02

Tot Ion:	113	Resp:	143097
Ion Ratio	Lower	Upper	
113	100		
111	98.2	81.3	121.9
192	17.2	12.7	19.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.19 ug/l

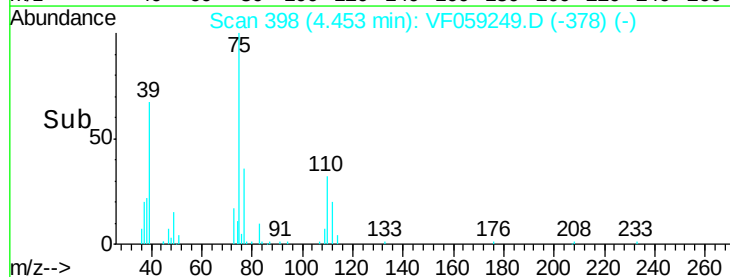
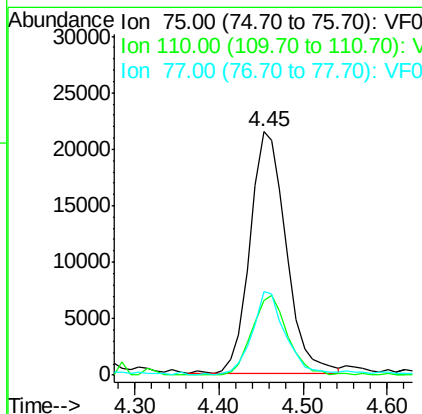
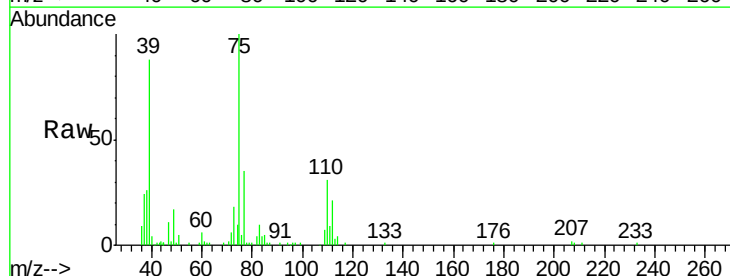
RT: 4.45 min Scan# 398

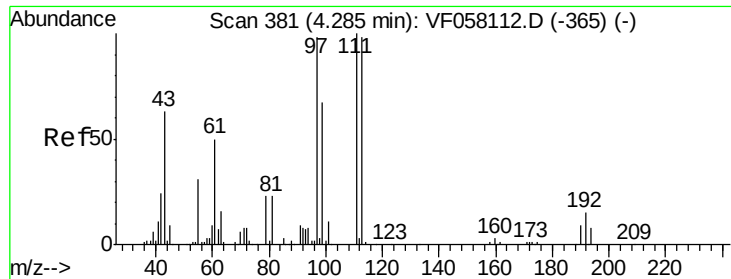
Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion:	75	Resp:	64569
Ion Ratio	Lower	Upper	
75	100		
110	30.8	17.0	50.9
77	34.5	25.3	37.9





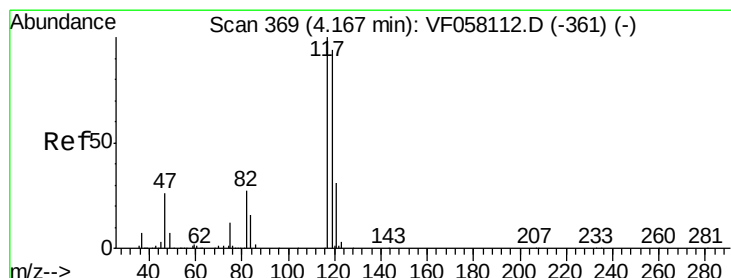
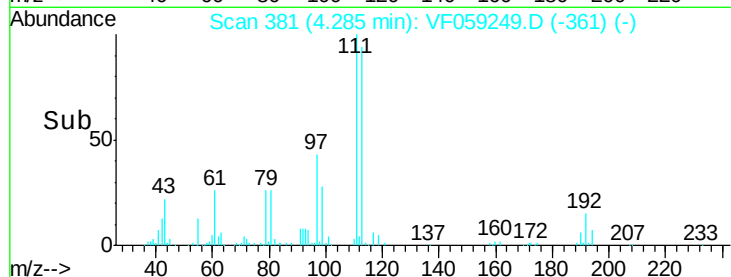
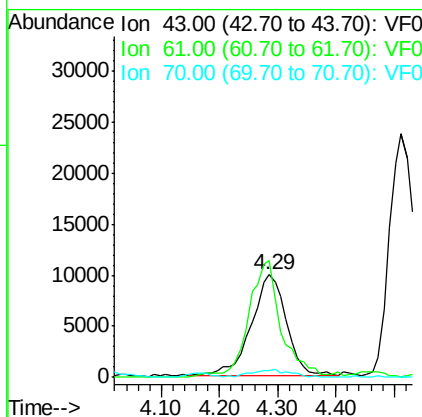
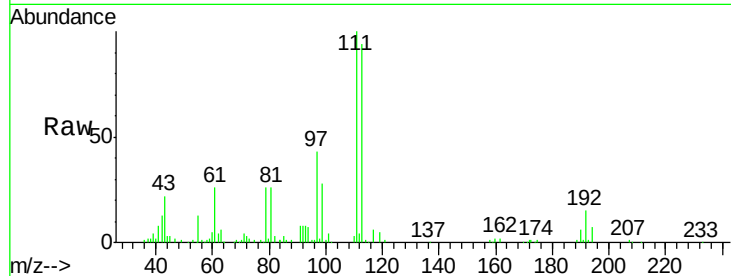
#37
Ethyl Acetate
Concen: 20.32 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	114.4	63.0	94.4#	
70	6.2	7.5	11.3#	

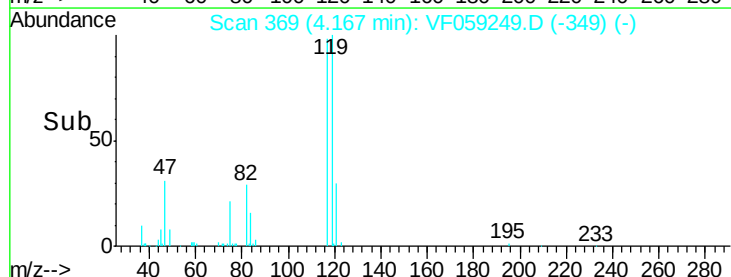
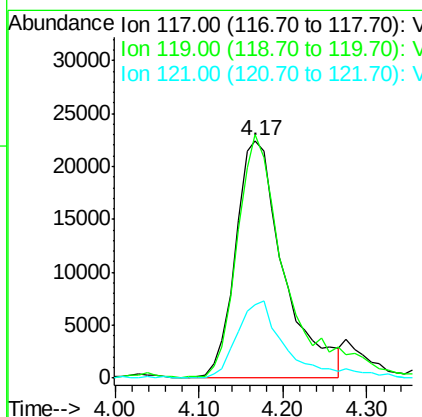
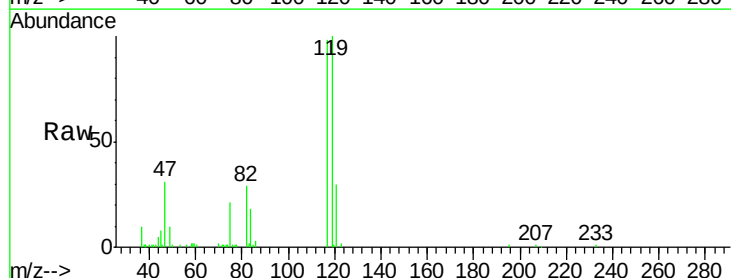
Manual Integrations
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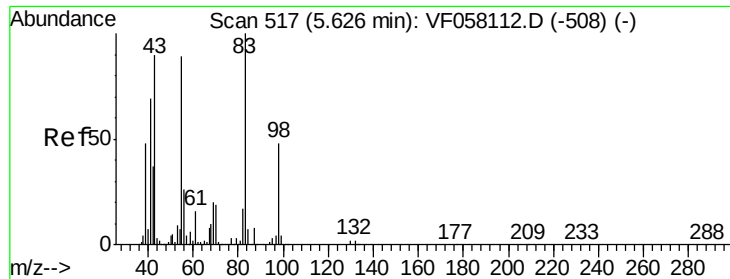
apatel
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#38
Carbon Tetrachloride
Concen: 24.56 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	102.4	75.7	113.5	
121	30.8	24.8	37.2	





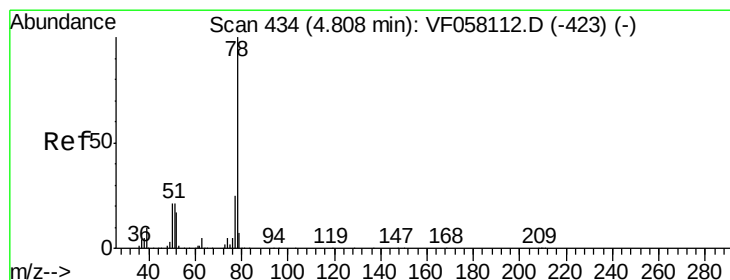
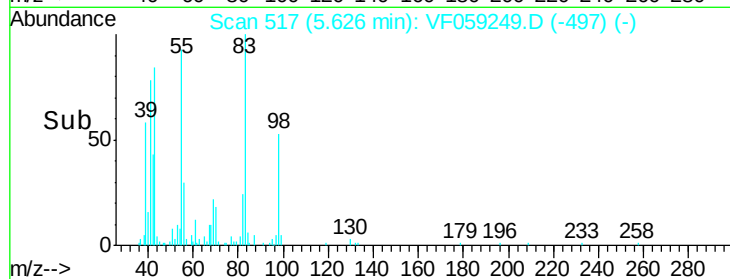
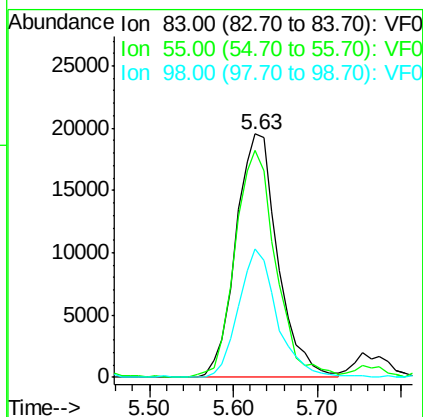
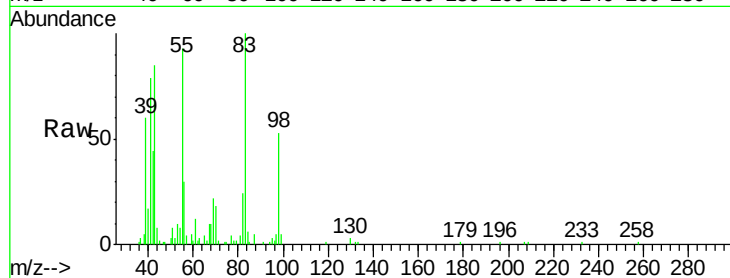
#39
Methylvlcyclohexane
Concen: 19.75 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.3	71.0	106.4
98	52.9	38.1	57.1

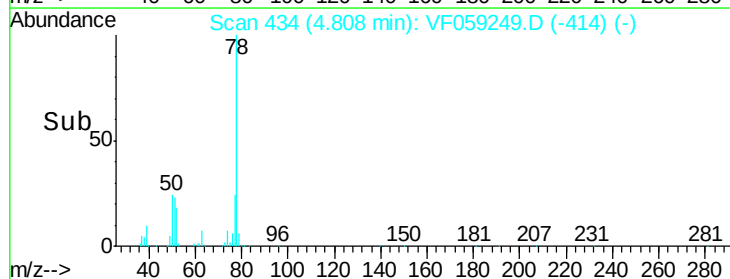
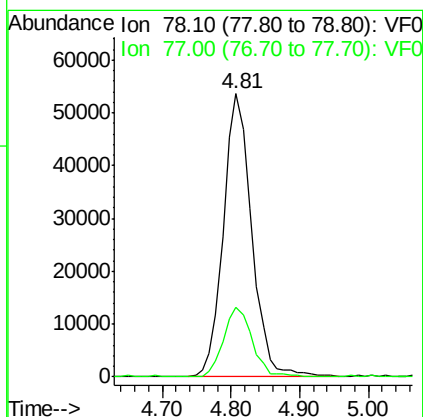
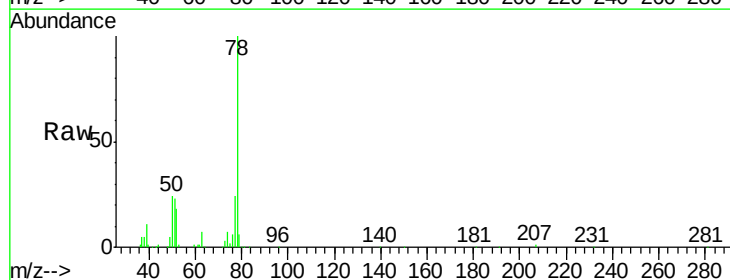
Manual Integrations
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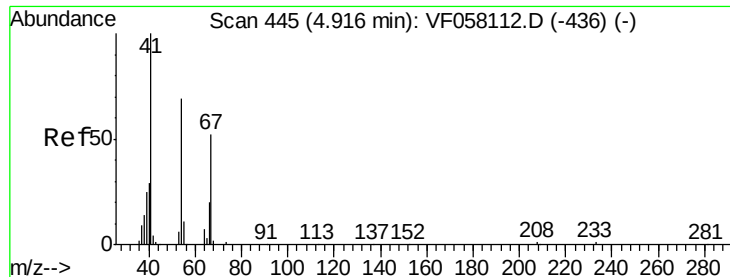
apatel
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#40
Benzene
Concen: 19.68 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	20.2	30.2





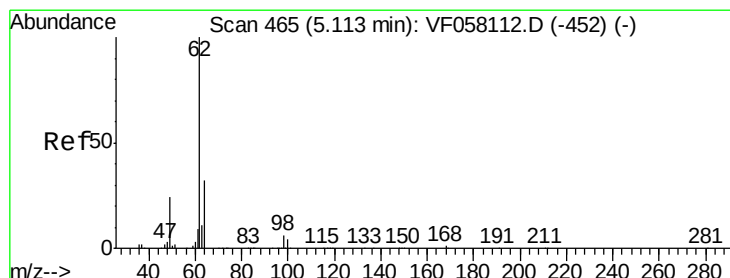
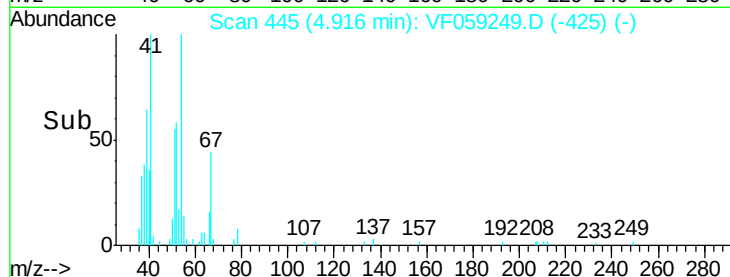
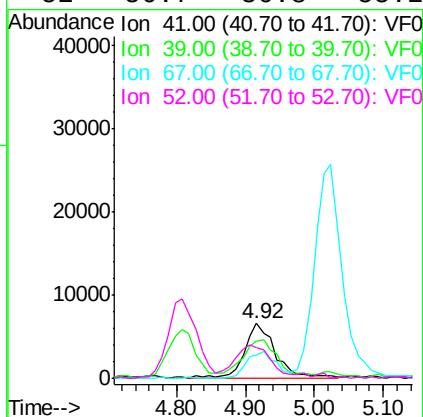
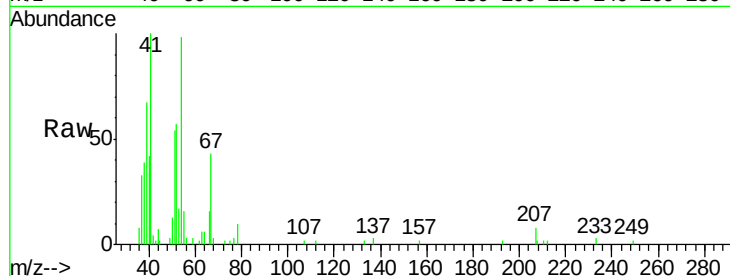
#41
Methacrylonitrile
Concen: 20.14 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.2	53.0	79.4
67	43.2	41.0	61.6
52	56.7	36.8	55.2#

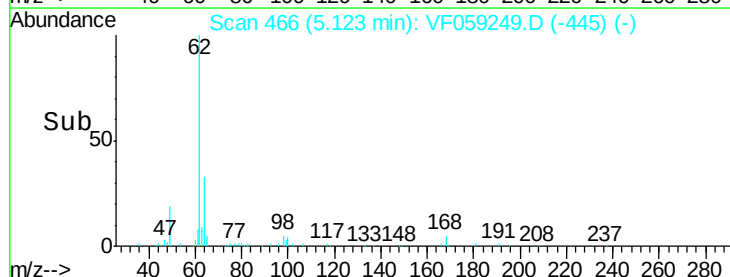
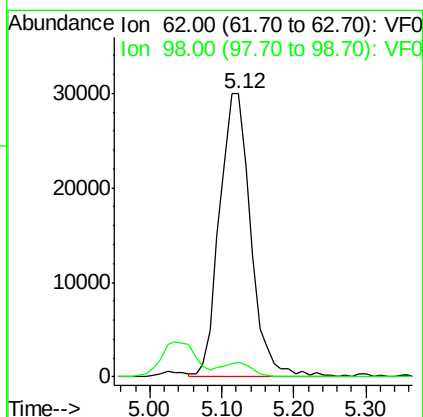
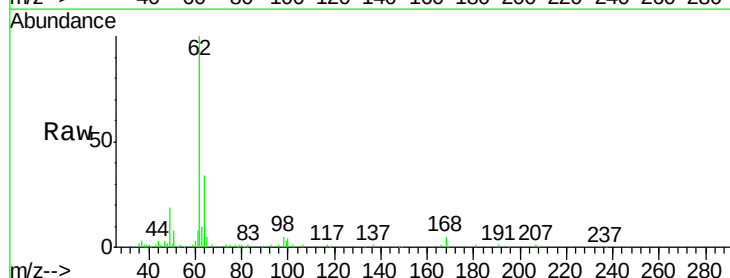
Manual Integrations
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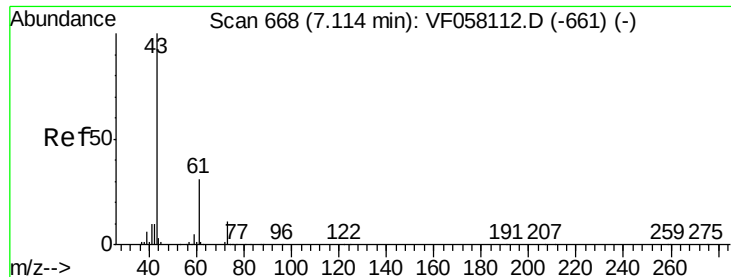
apatel
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#42
1,2-Dichloroethane
Concen: 25.74 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	11.8





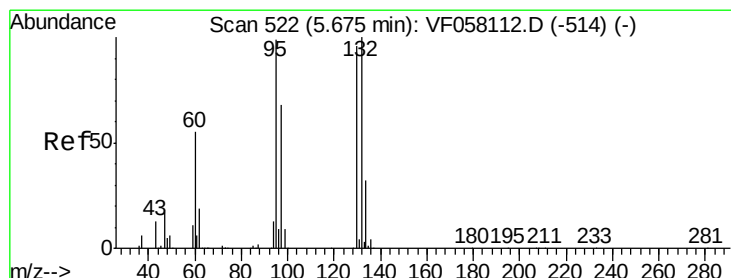
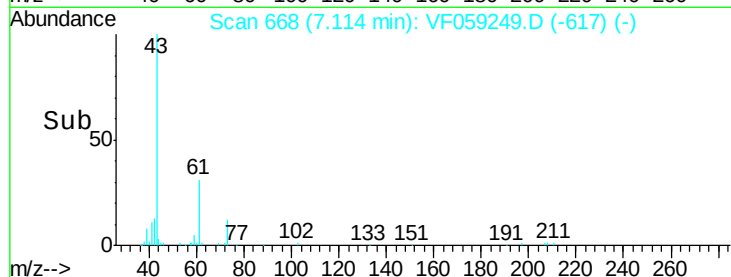
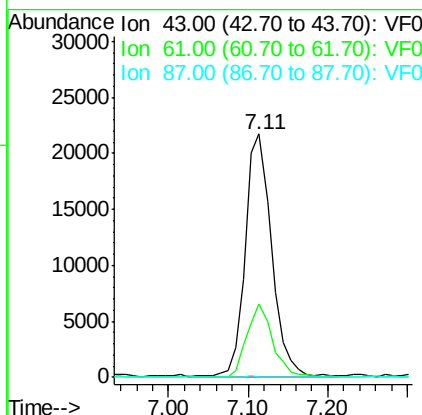
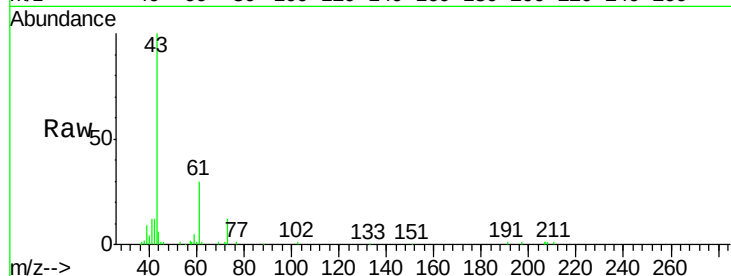
#43
Isopropyl Acetate
Concen: 17.94 ug/l
RT: 7.11 min Scan# 668
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	25.1	37.7
87	0.0	0.2	0.4

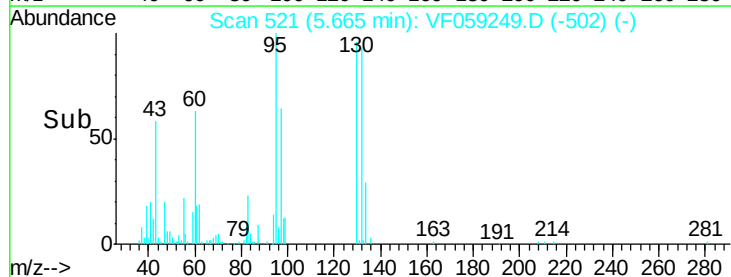
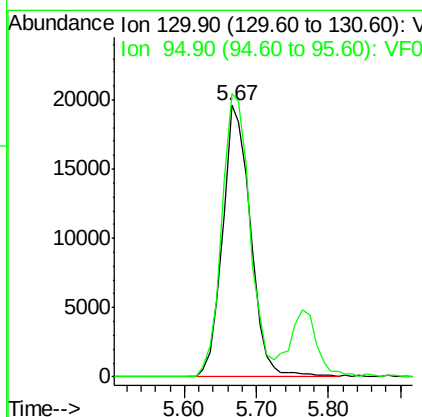
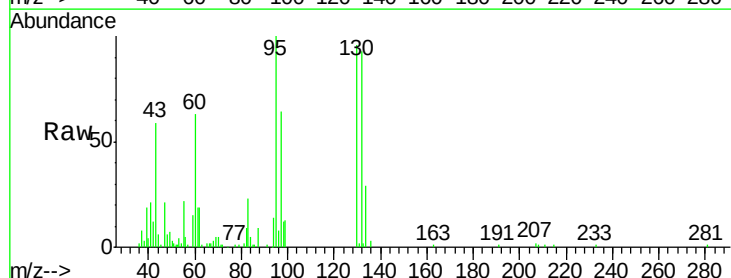
Manual Integrations
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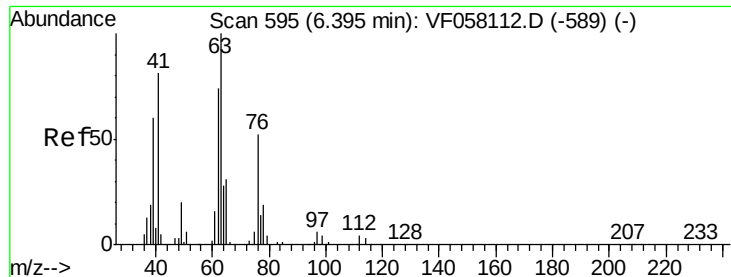
apatel
6/21/2018 9:46:35 AM



#44
Trichloroethene
Concen: 21.66 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	206.8





#45

1,2-Dichloropropane

Concen: 19.18 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 63 Resp: 43174

Ion Ratio Lower Upper

63 100

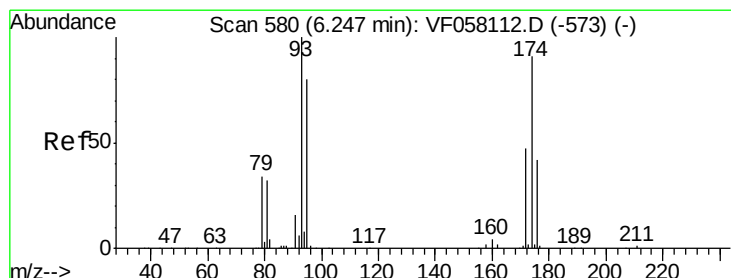
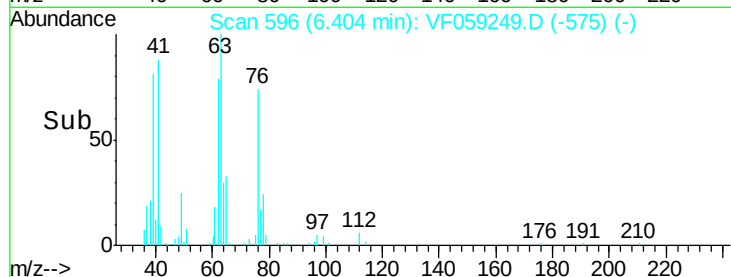
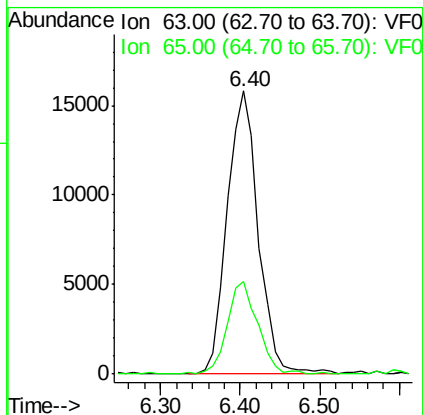
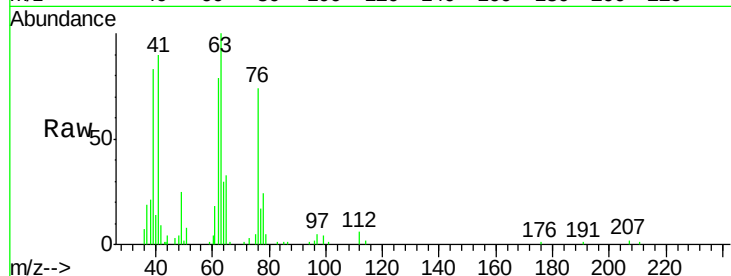
65 32.8 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 22.40 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

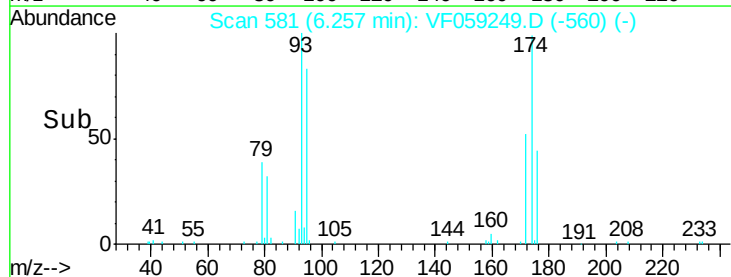
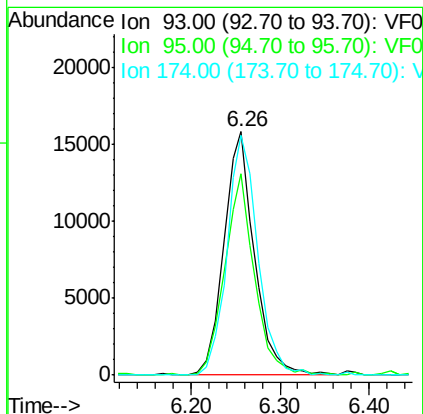
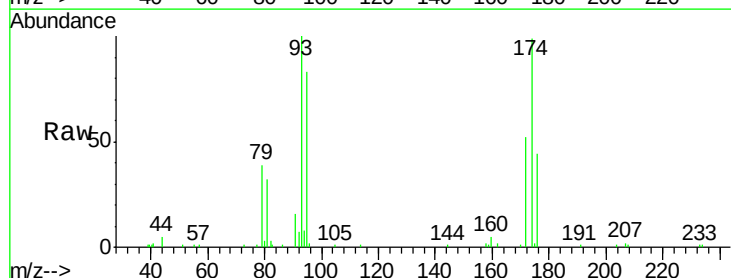
Tgt Ion: 93 Resp: 37941

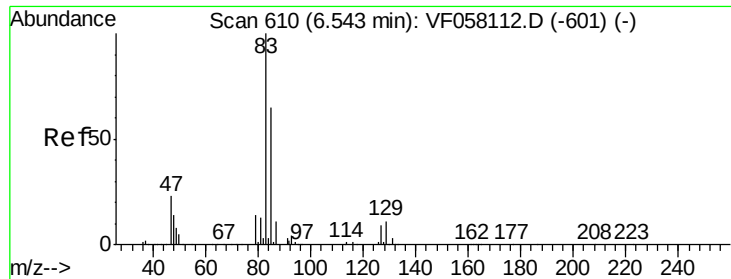
Ion Ratio Lower Upper

93 100

95 82.8 64.2 96.4

174 98.7 72.7 109.1





#47

Bromodichloromethane

Concen: 24.03 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

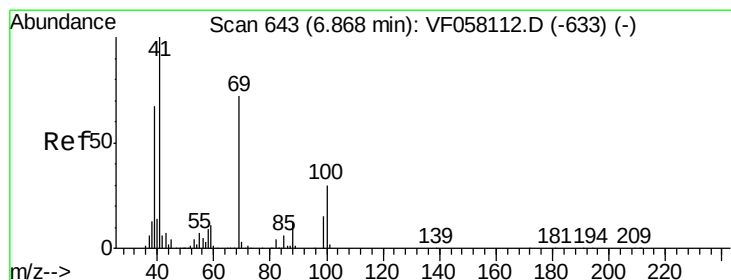
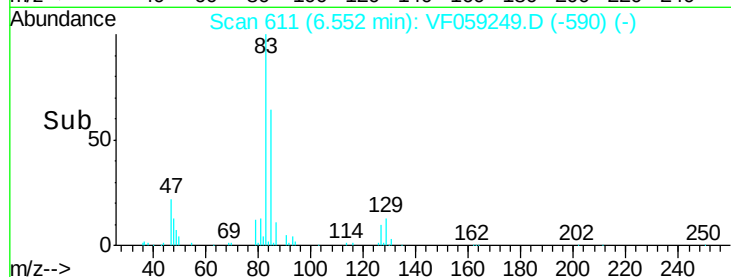
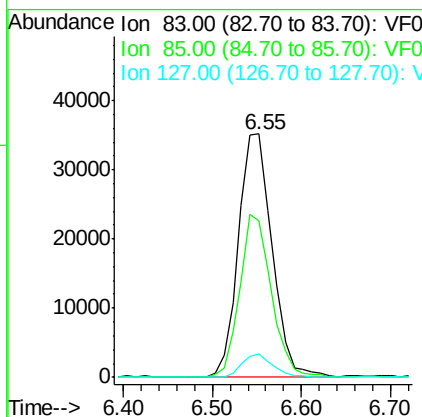
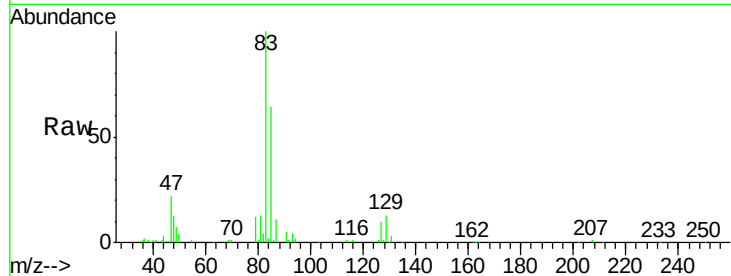
ClientSampleId :

VF0620SBS02

Tot Ion:	83	Resp:	92597
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.6	77.4
127	9.8	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.68 ug/l

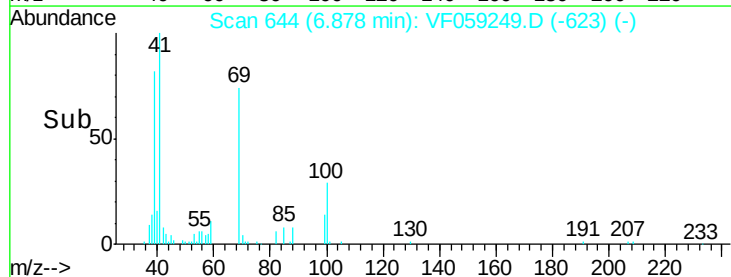
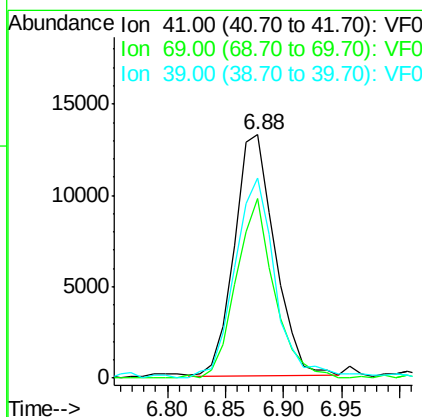
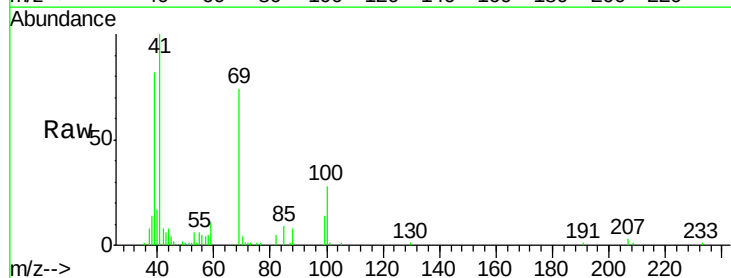
RT: 6.88 min Scan# 644

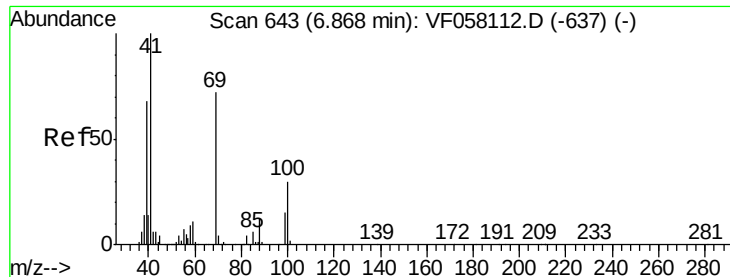
Delta R.T. 0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion:	41	Resp:	32056
Ion Ratio	Lower	Upper	
41	100		
69	73.6	57.2	85.8
39	82.3	54.3	81.5#





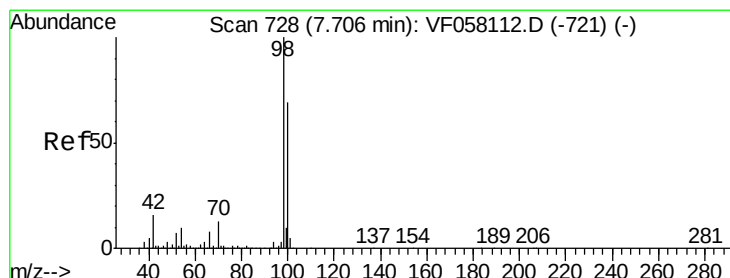
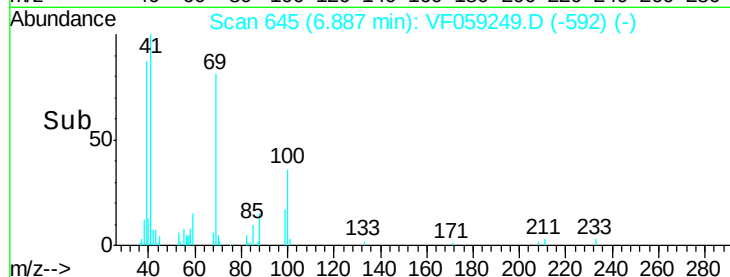
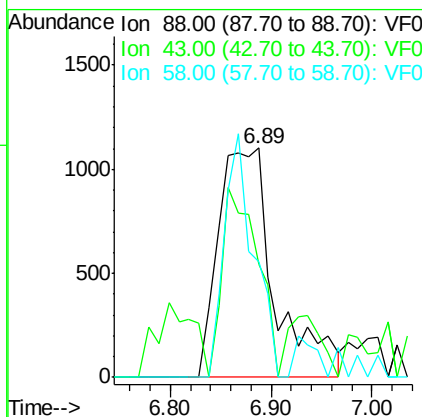
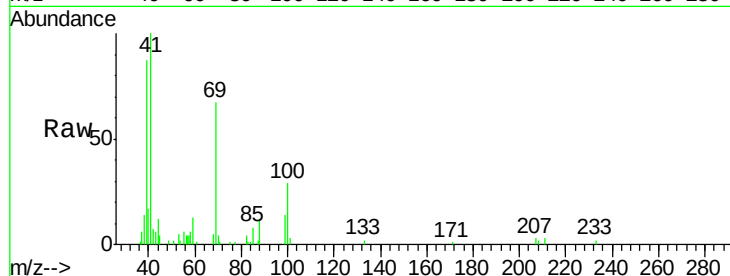
#49
1,4-Dioxane
Concen: 328.20 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.02 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.5	47.8	71.8
58	50.3	59.4	89.0

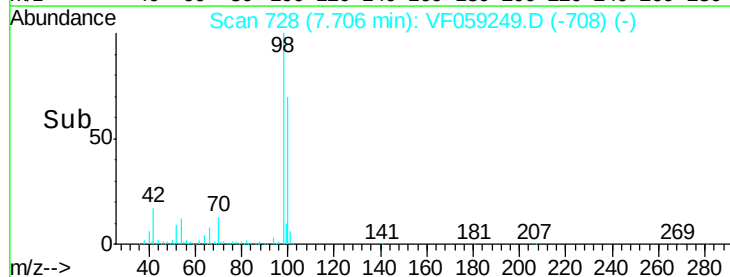
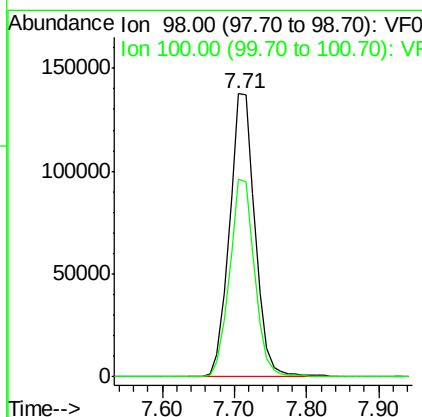
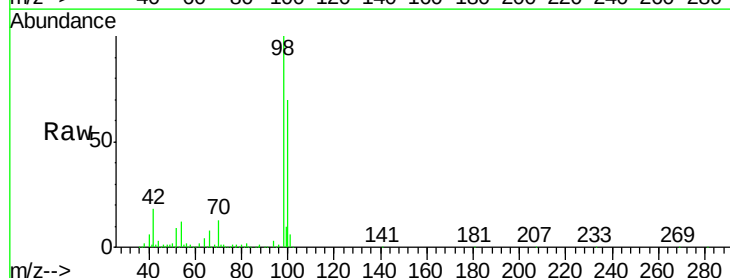
Manual Integrations
APPROVED

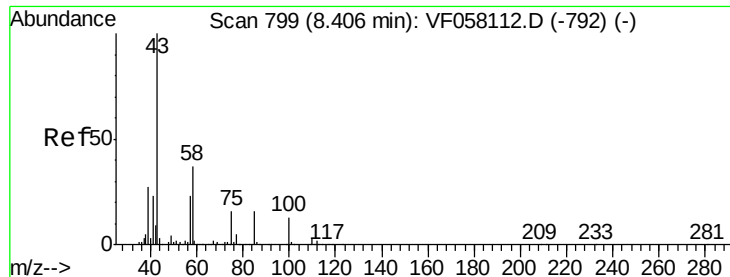
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#50
Toluene-d8
Concen: 47.48 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 98.64 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 43 Resp: 188204

Ion Ratio Lower Upper

43 100

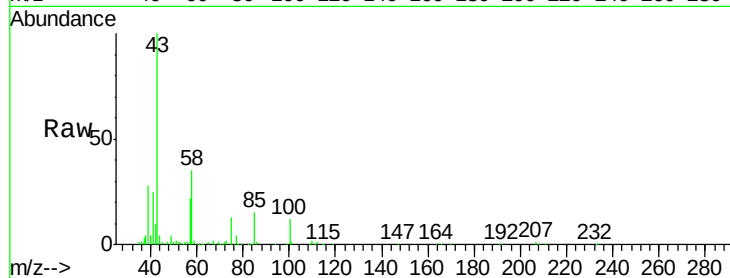
58 34.6 29.4 44.0

Manual Integrations

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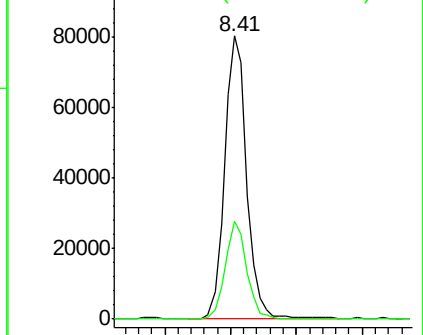
apatel

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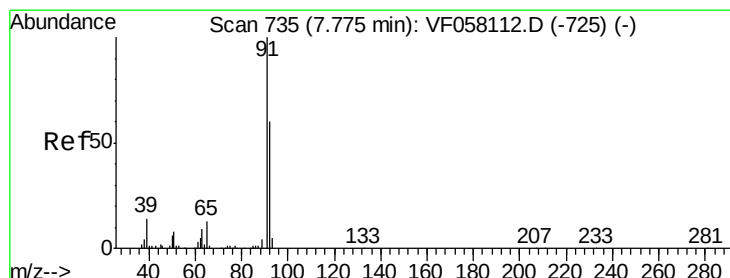
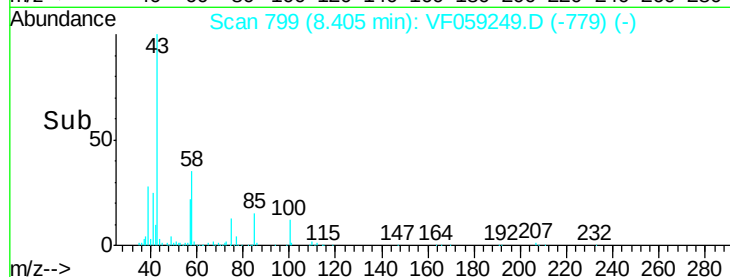


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#52

Toluene

Concen: 21.09 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059249.D

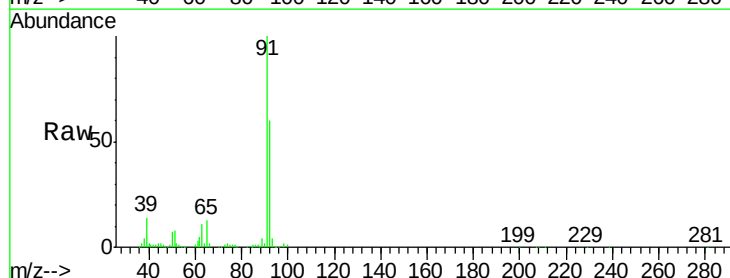
Acq: 21 Jun 2018 3:56

Tgt Ion: 92 Resp: 118626

Ion Ratio Lower Upper

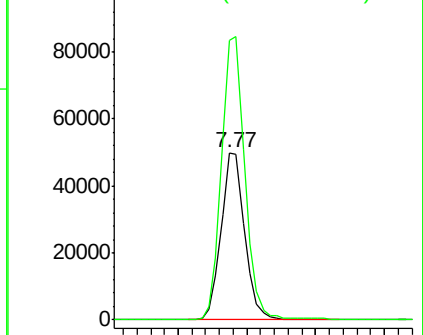
92 100

91 167.6 132.9 199.3

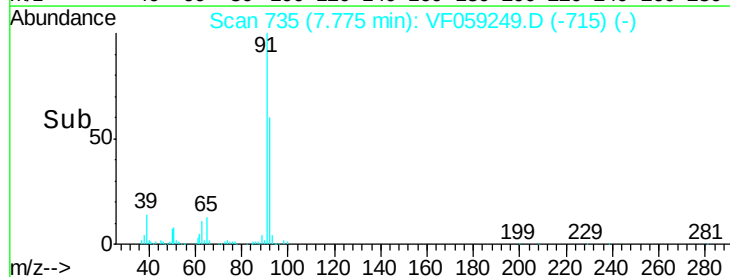


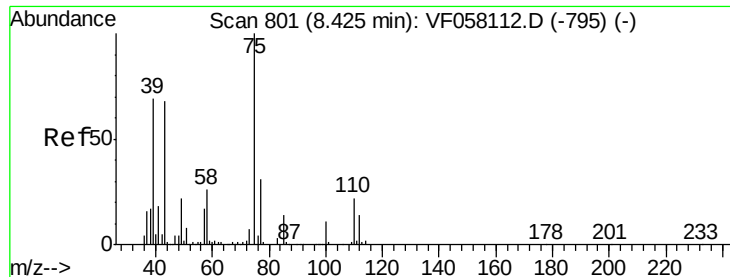
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->





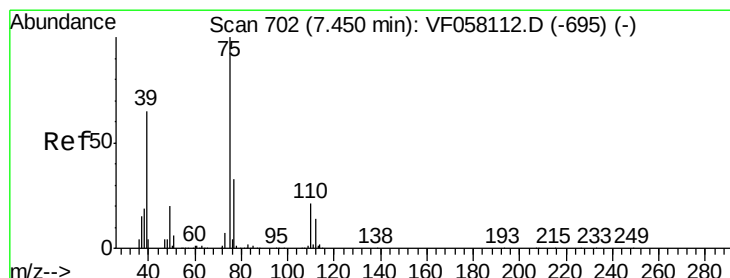
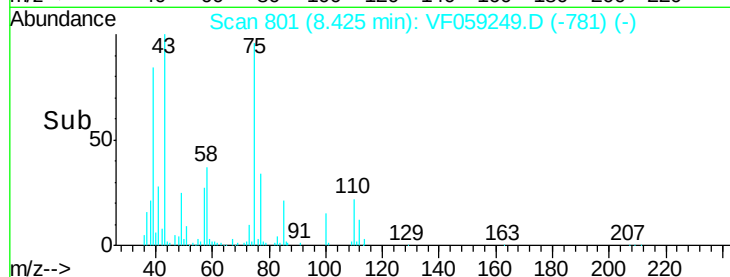
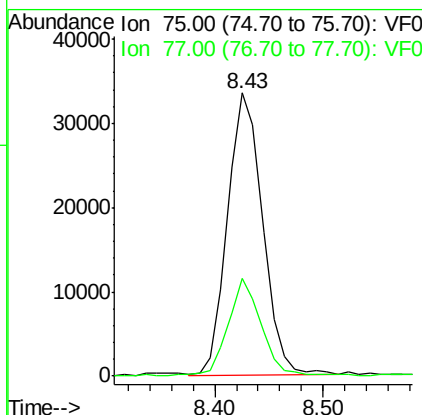
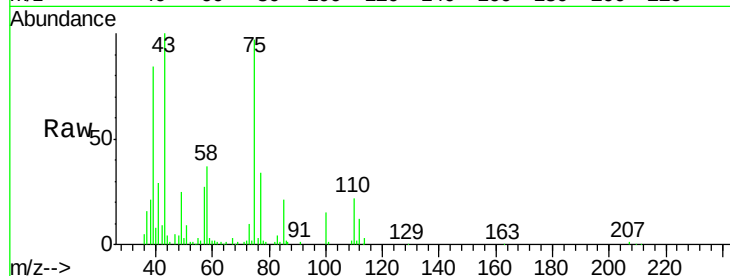
#53
t-1,3-Dichloropropene
Concen: 20.27 ug/l
RT: 8.43 min Scan# 801
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion: 75 Resp: 75640
Ion Ratio Lower Upper
75 100
77 34.8 25.1 37.7

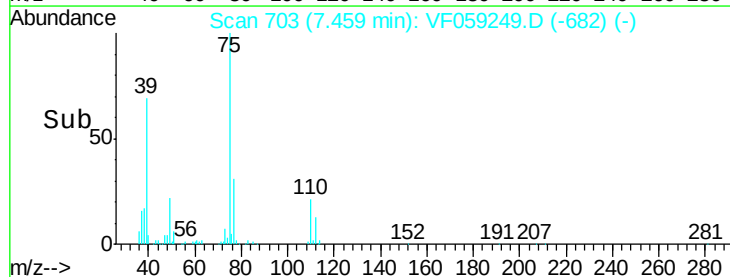
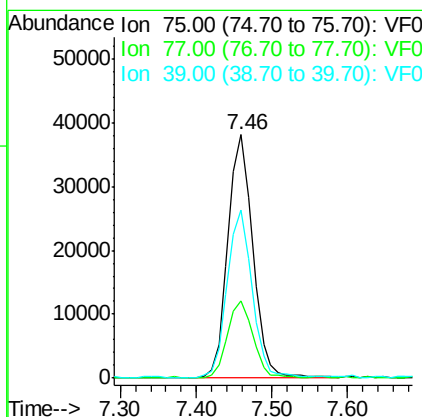
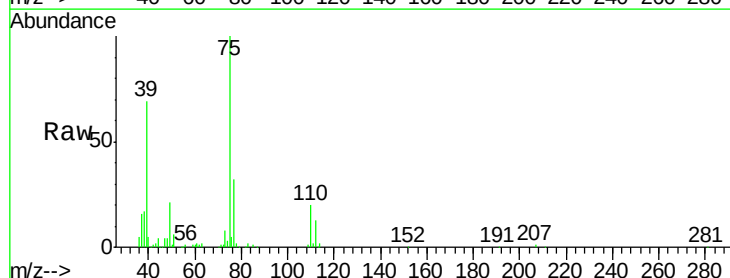
Manual Integrations
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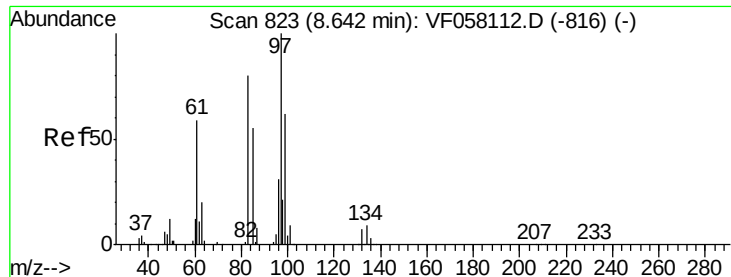
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.40 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion: 75 Resp: 87439
Ion Ratio Lower Upper
75 100
77 31.7 26.3 39.5
39 69.2 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 21.48 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

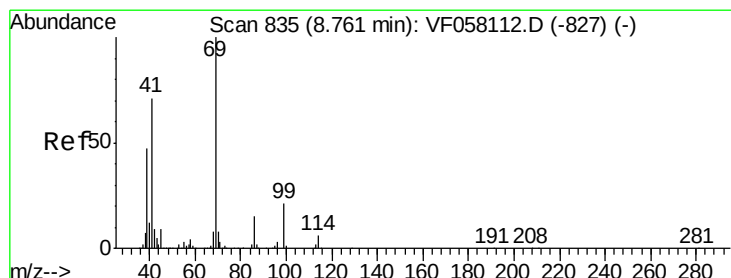
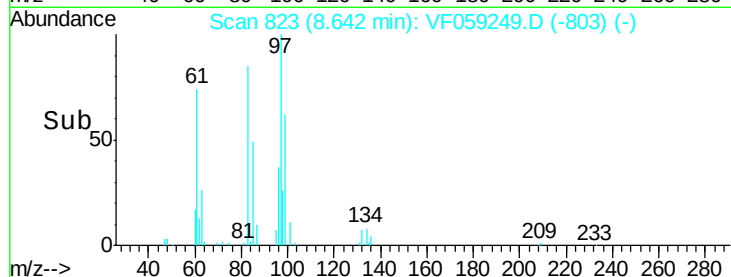
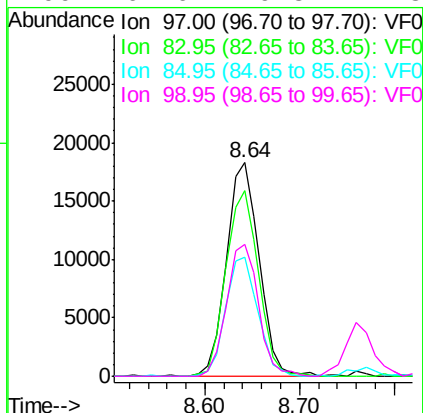
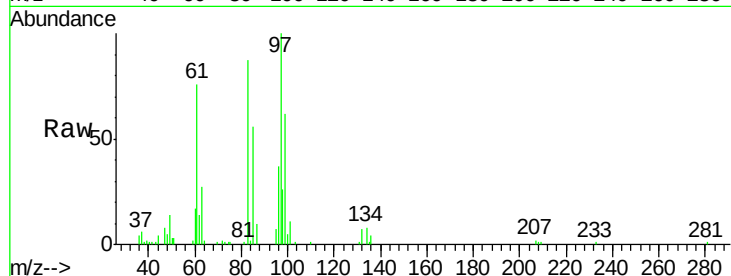
ClientSampleId :

VF0620SBS02

Tot Ion:	97	Resp:	43771
Ion	Ratio	Lower	Upper
97	100		
83	87.2	64.3	96.5
85	56.0	43.8	65.8
99	61.6	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.30 ug/l

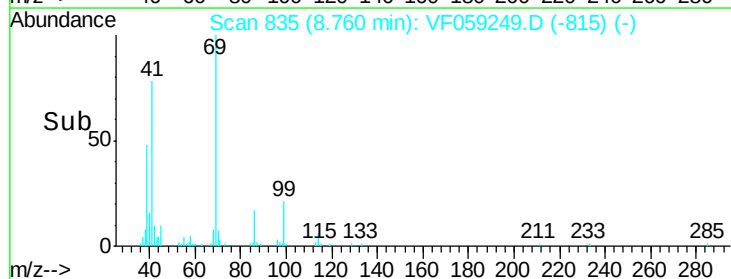
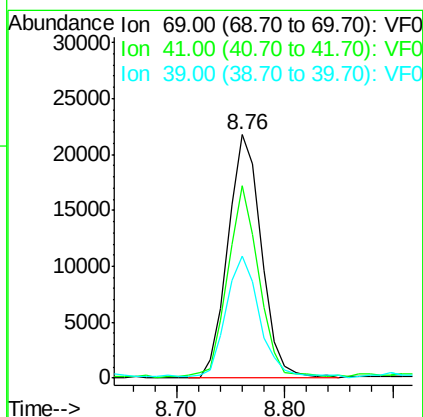
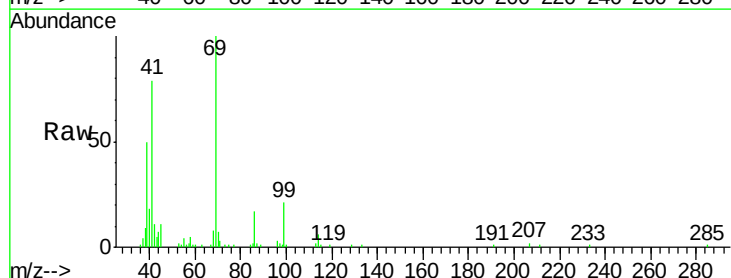
RT: 8.76 min Scan# 835

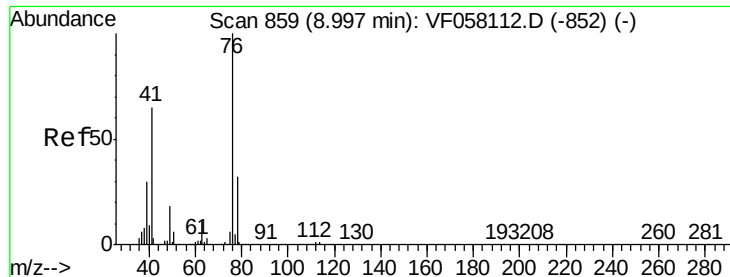
Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion:	69	Resp:	47001
Ion	Ratio	Lower	Upper
69	100		
41	79.0	56.9	85.3
39	50.2	38.0	57.0





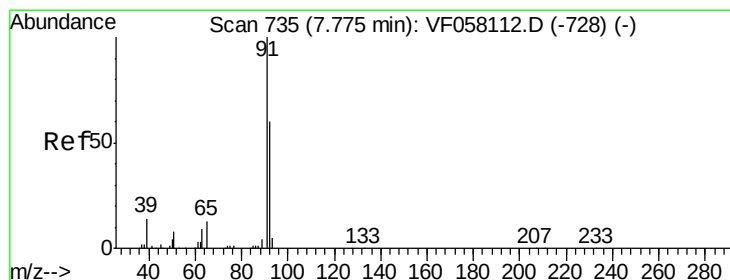
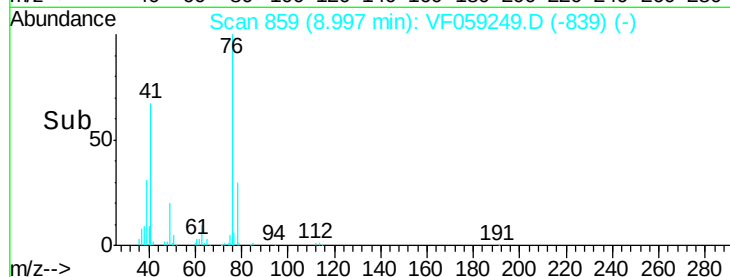
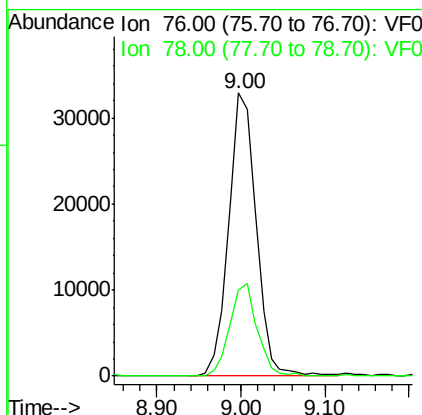
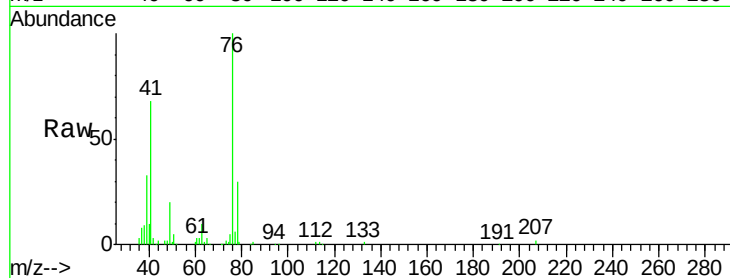
#57
 1,3-Dichloropropane
 Concen: 21.53 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF059249.D
 Acq: 21 Jun 2018 3:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.3	25.8	38.6

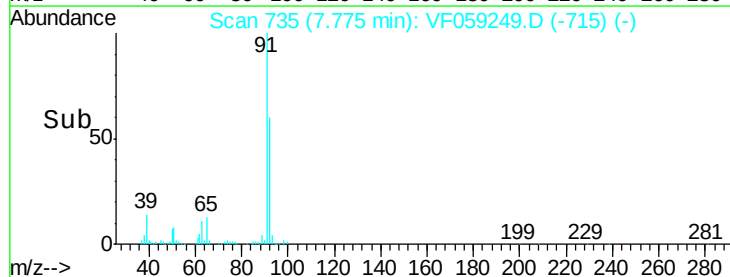
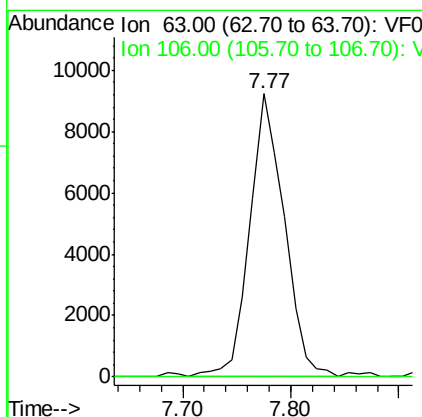
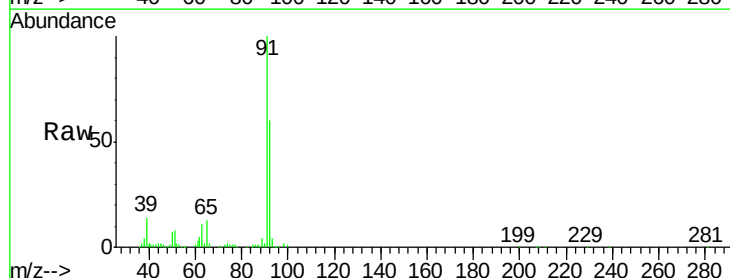
Manual Integrations
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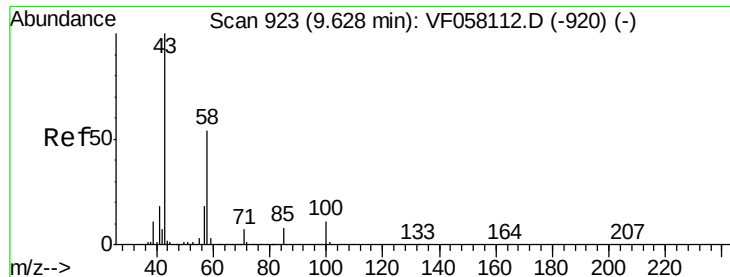
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.83 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF059249.D
 Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





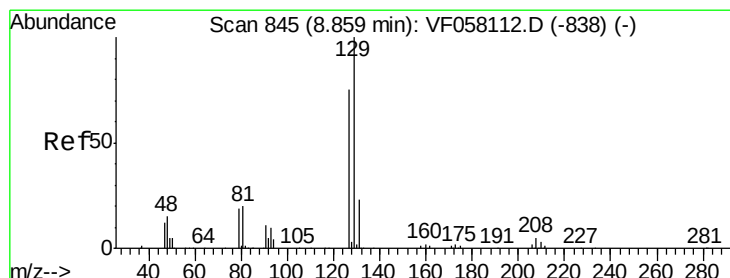
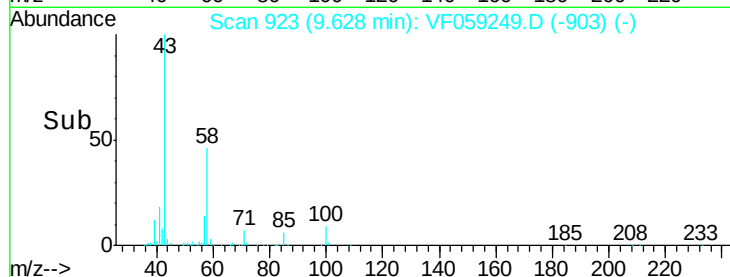
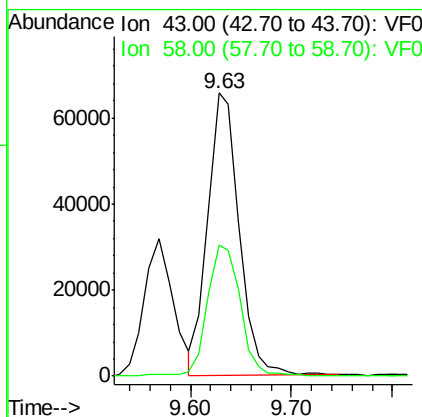
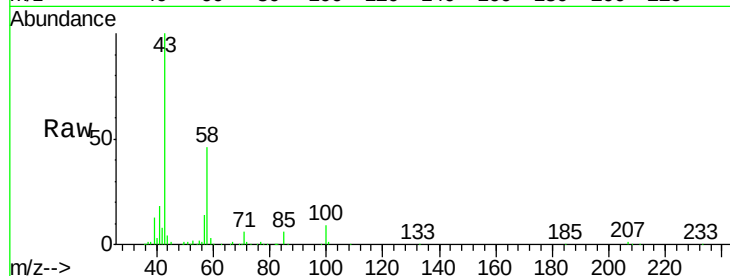
#59
2-Hexanone
Concen: 94.75 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion: 43 Resp: 142992
Ion Ratio Lower Upper
43 100
58 46.2 26.3 78.8

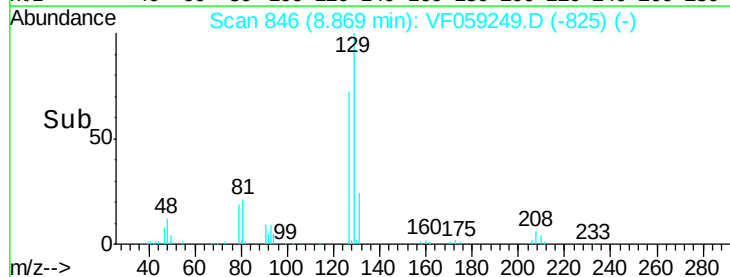
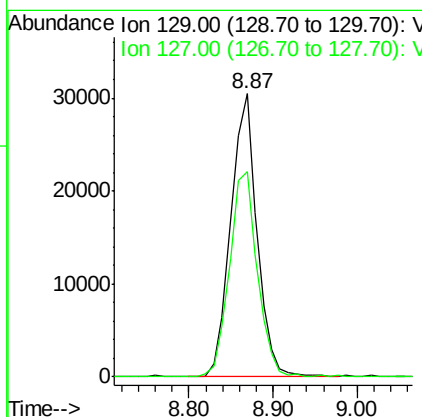
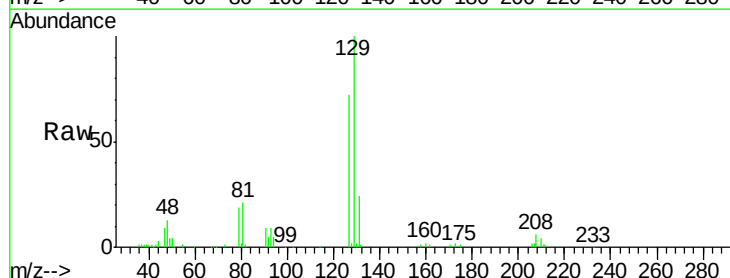
Manual Integrations
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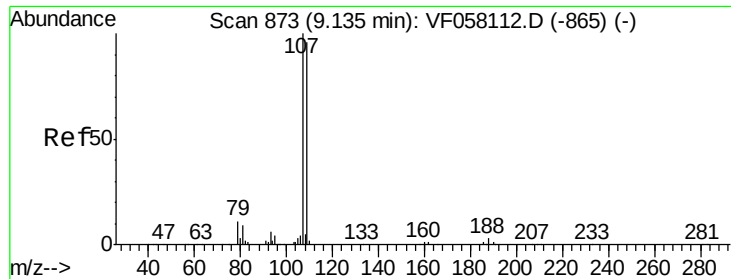
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#60
Dibromochloromethane
Concen: 22.58 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion: 129 Resp: 66118
Ion Ratio Lower Upper
129 100
127 72.4 37.6 112.9





#61

1,2-Dibromoethane

Concen: 22.20 ug/l

RT: 9.13 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 107 Resp: 52579

Ion Ratio Lower Upper

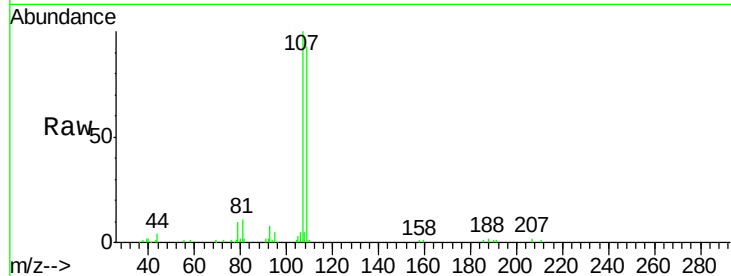
107 100

109 92.9 76.6 115.0

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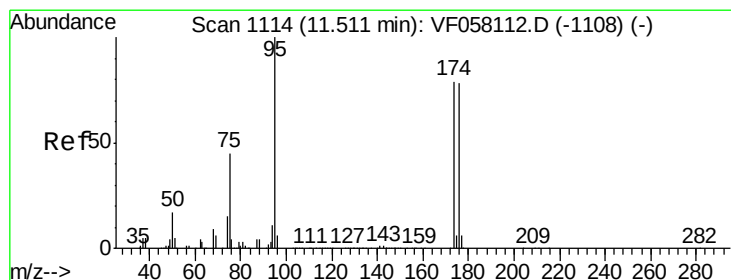
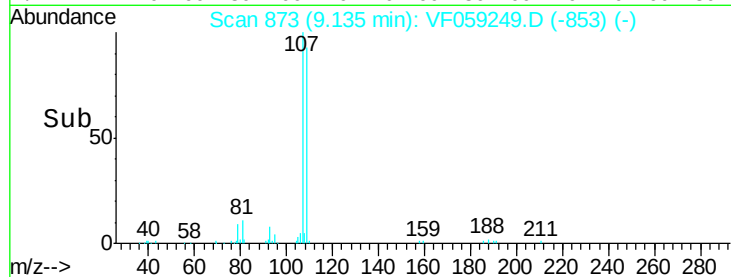
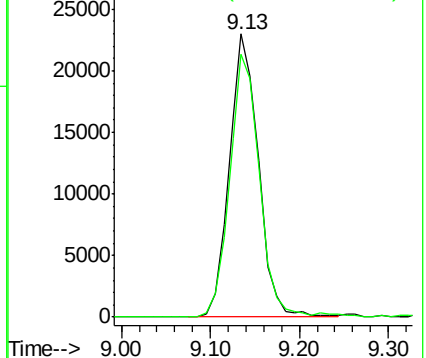
apatel

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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: 53.61 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

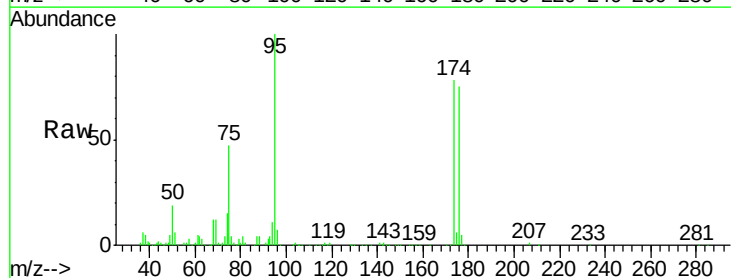
Tgt Ion: 95 Resp: 196732

Ion Ratio Lower Upper

95 100

174 77.6 0.0 157.8

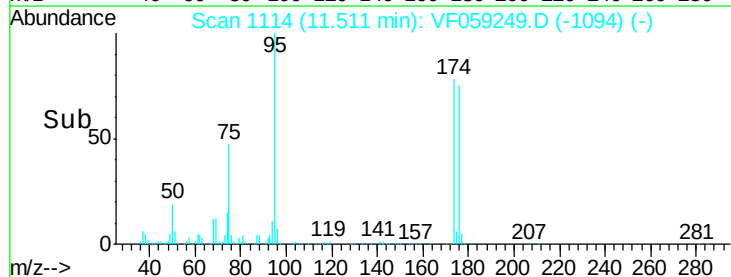
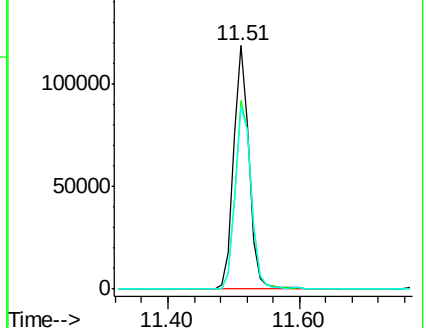
176 74.9 0.0 155.8

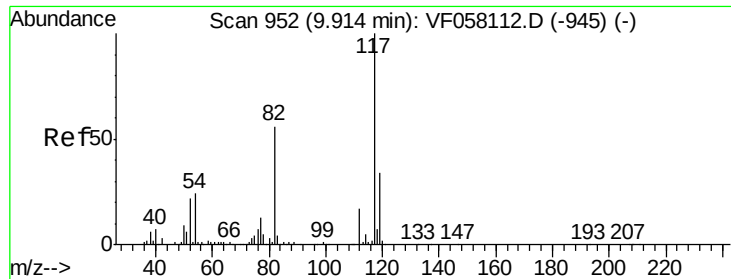


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





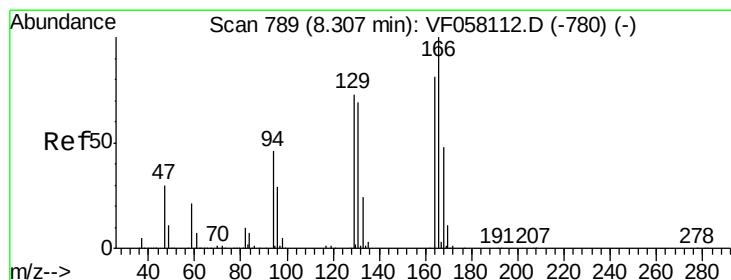
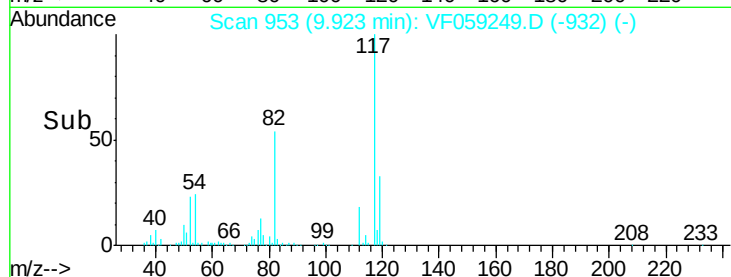
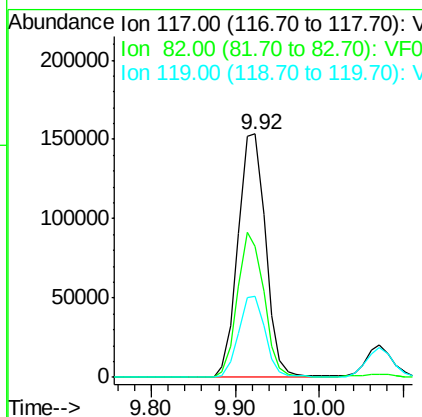
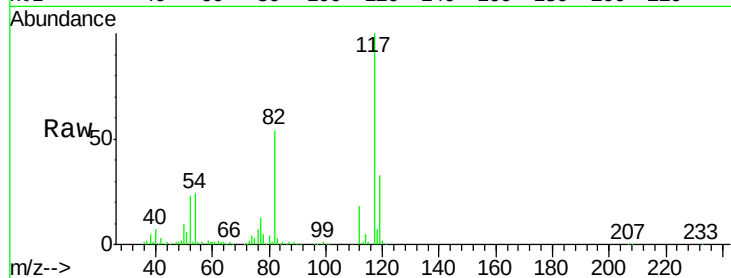
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.2	67.8
119	33.3	27.5	41.3

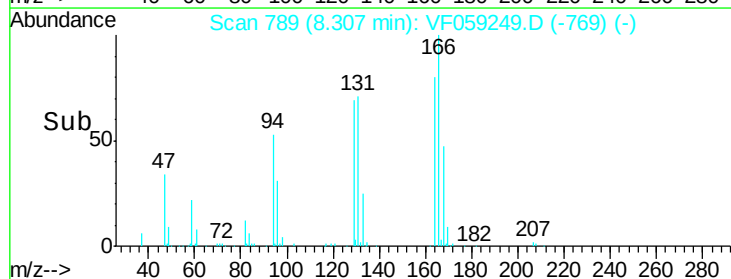
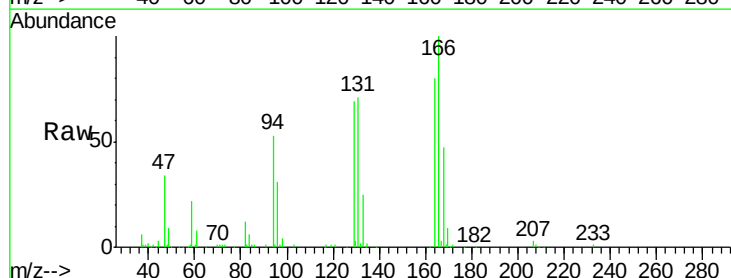
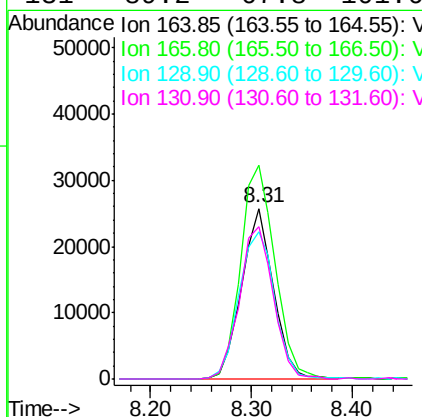
Manual Integrations
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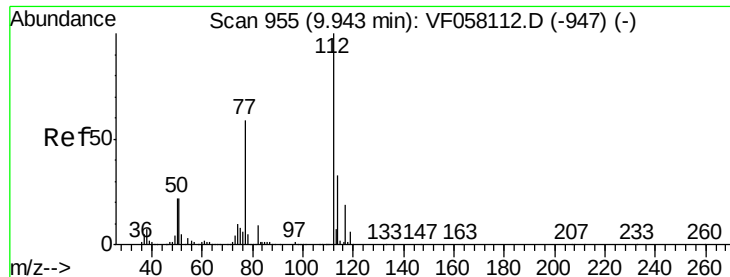
apatel
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#64
Tetrachloroethene
Concen: 21.83 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	98.2	147.4
129	86.2	71.6	107.4
131	89.2	67.8	101.6





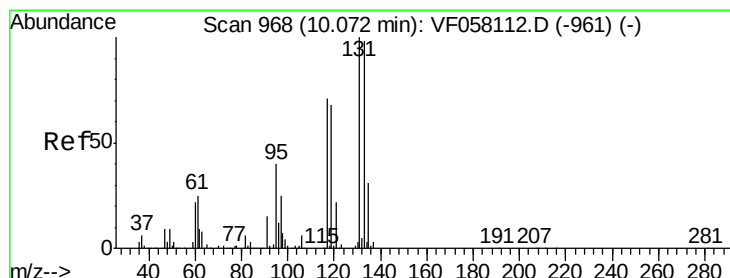
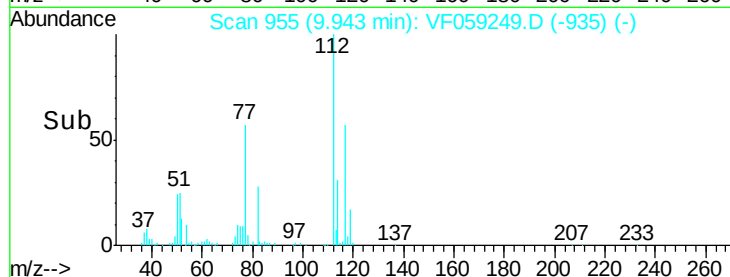
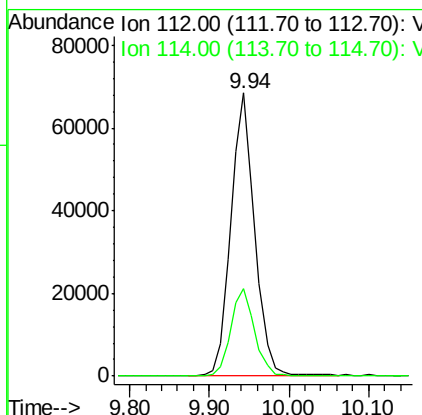
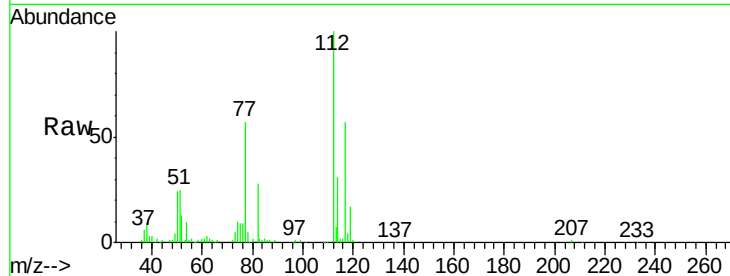
#65
Chlorobenzene
Concen: 20.45 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.2	39.4

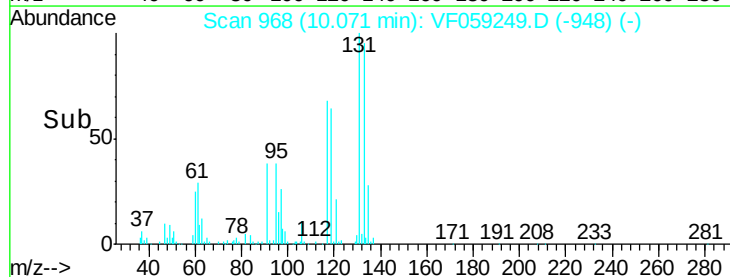
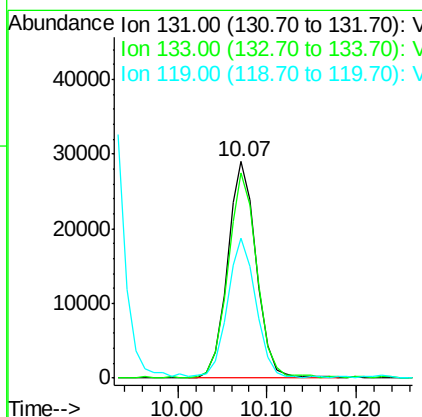
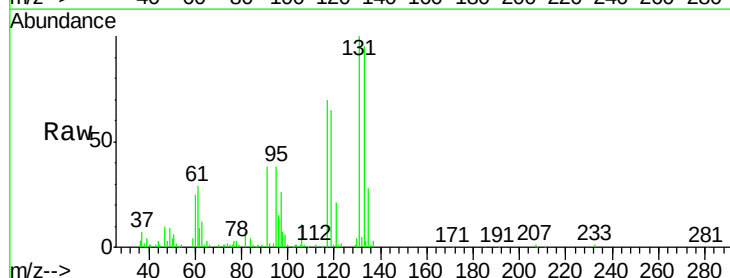
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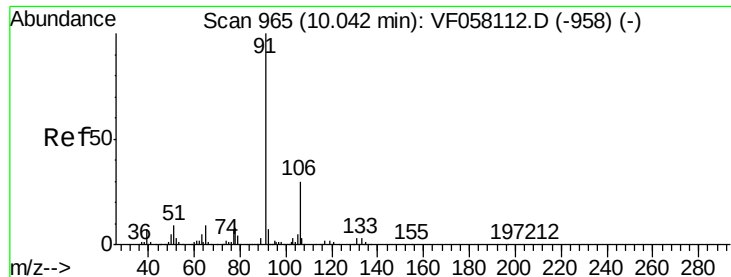
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.40 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	49.1	147.4
119	64.6	34.3	102.8





#67

Ethyl Benzene

Concen: 20.77 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 91 Resp: 253275

Ion Ratio Lower Upper

91 100

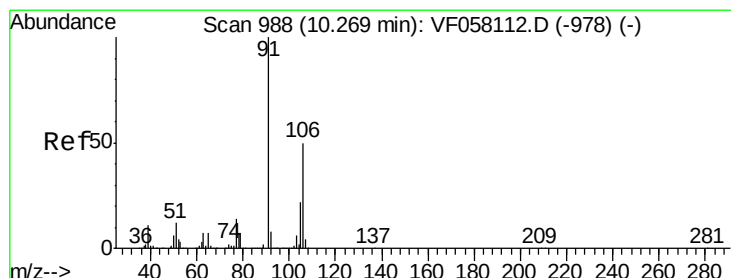
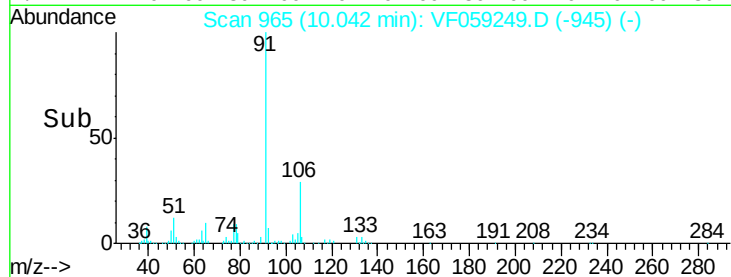
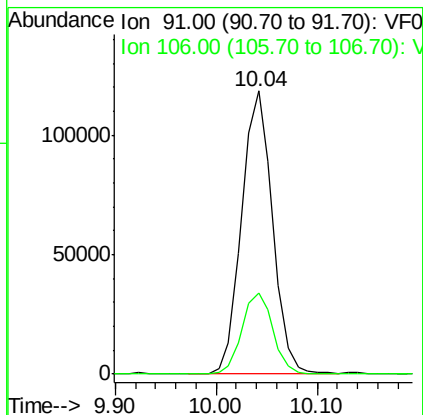
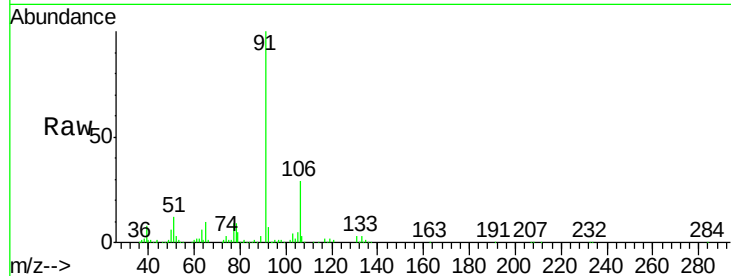
106 28.7 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.45 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059249.D

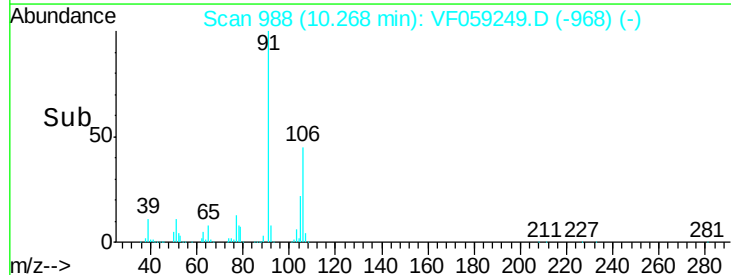
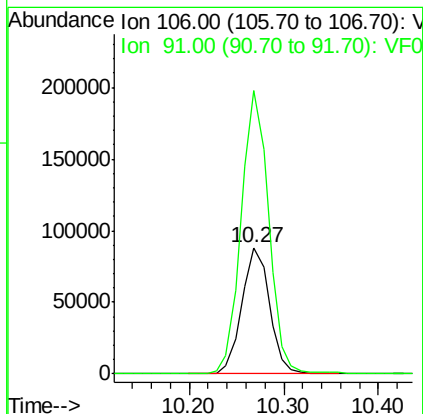
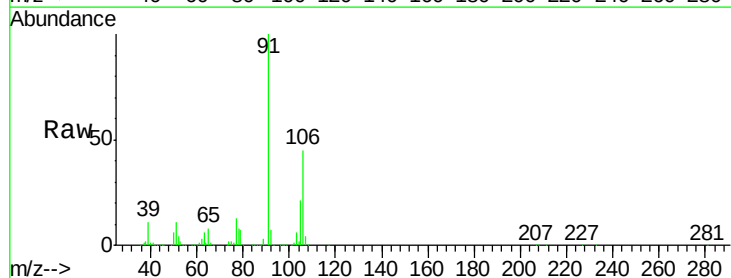
Acq: 21 Jun 2018 3:56

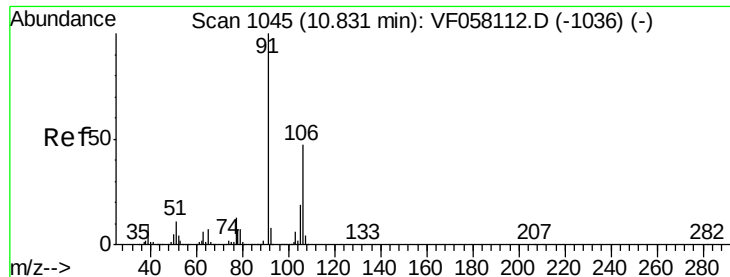
Tgt Ion: 106 Resp: 180067

Ion Ratio Lower Upper

106 100

91 224.5 160.7 241.1





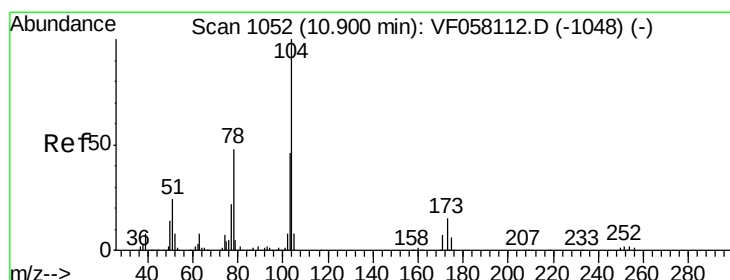
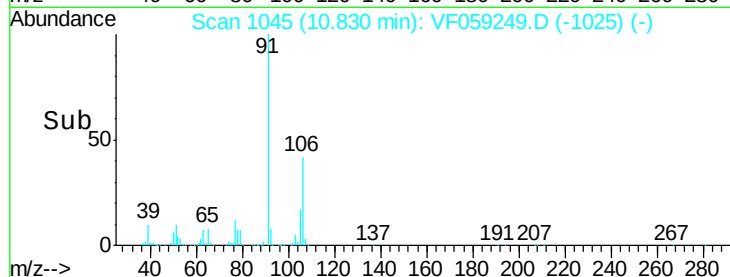
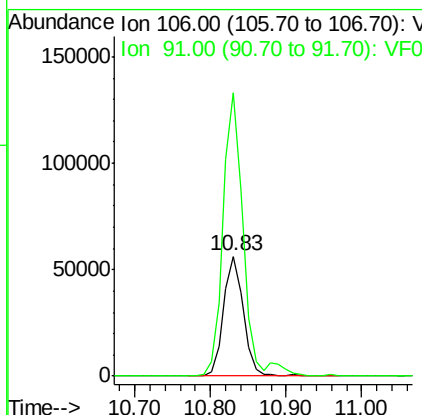
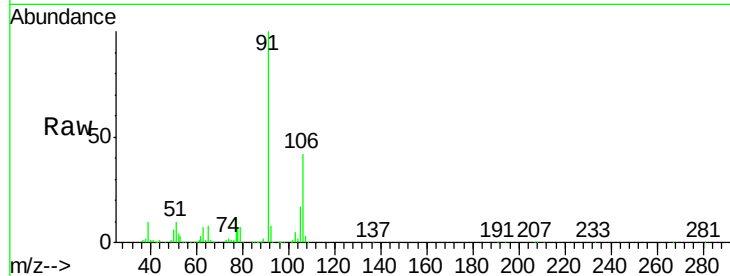
#69
o-Xylene
Concen: 20.72 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	102222		
91	91	236.2	107.0	321.0	

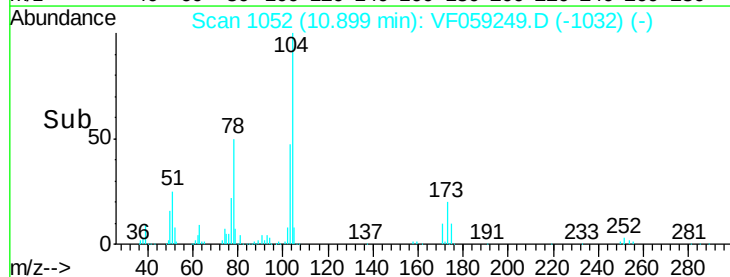
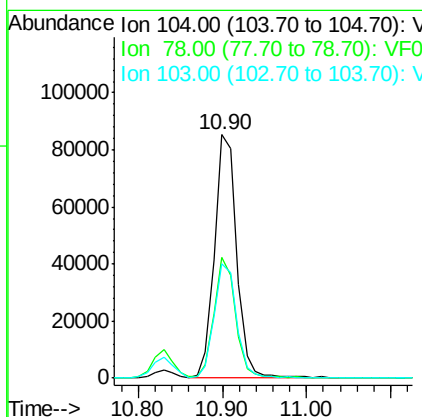
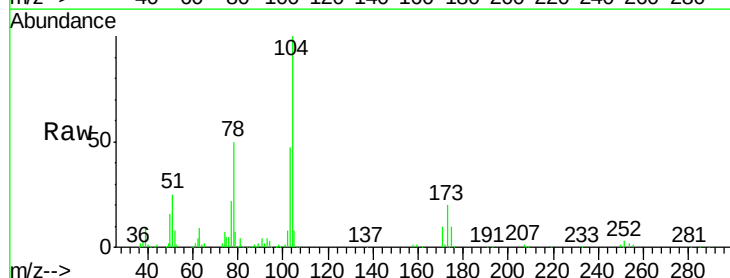
Manual Integrations
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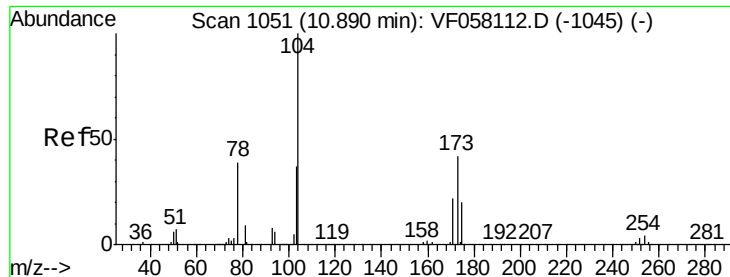
apatel
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#70
Styrene
Concen: 20.94 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	156315		
78	78	49.6	38.4	57.6	
103	103	47.0	37.0	55.6	





#71

Bromoform

Concen: 22.11 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

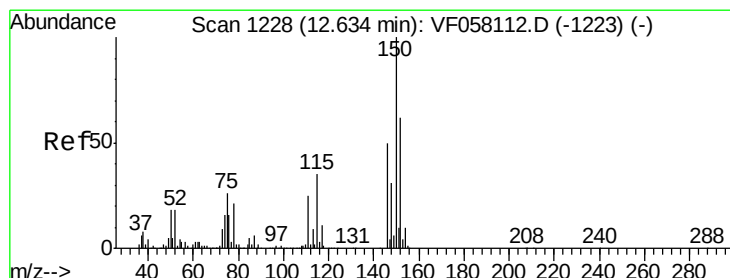
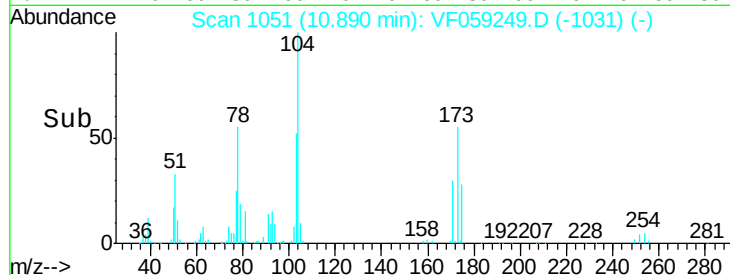
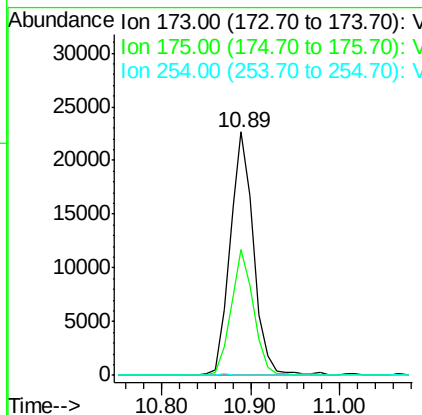
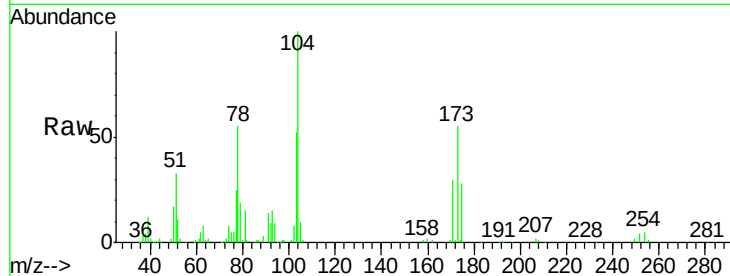
ClientSampleId :

VF0620SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.6	24.6	74.0
254	0.0	7.8	11.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

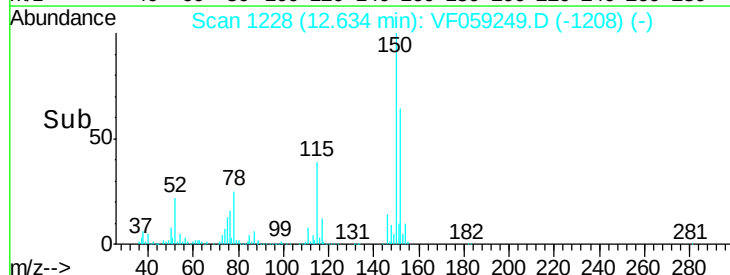
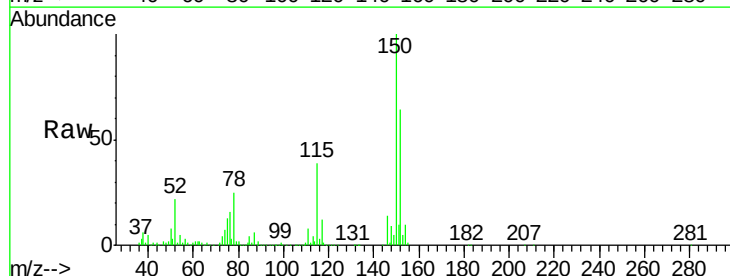
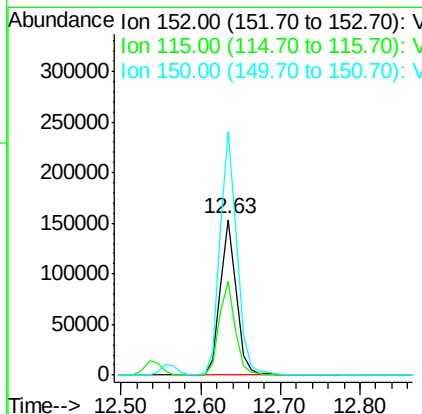
RT: 12.63 min Scan# 1228

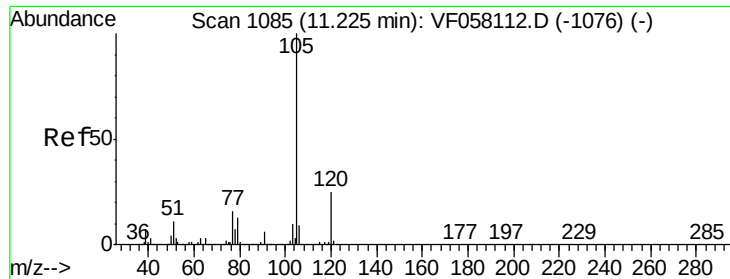
Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	28.5	85.5
150	156.8	0.0	323.8





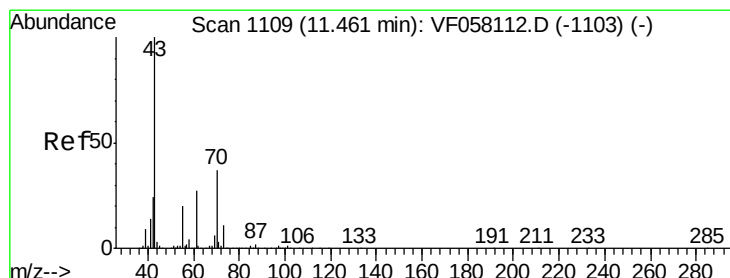
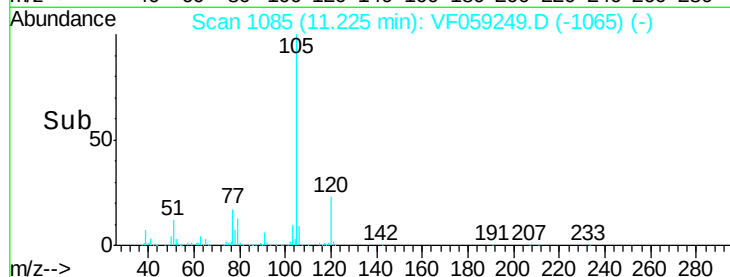
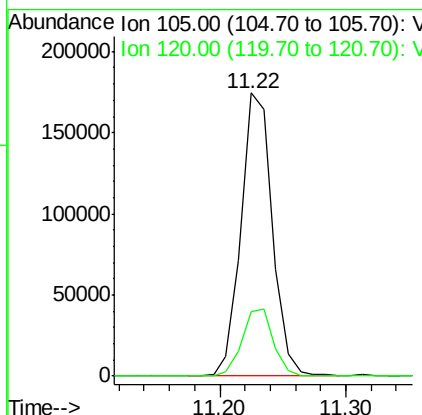
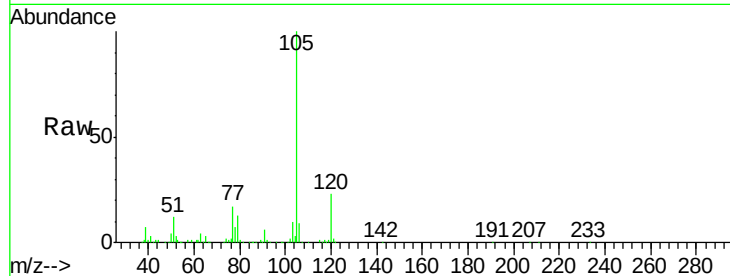
#73
Isopropylbenzene
Concen: 19.56 ug/l
RT: 11.22 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	22.6	12.7	38.1

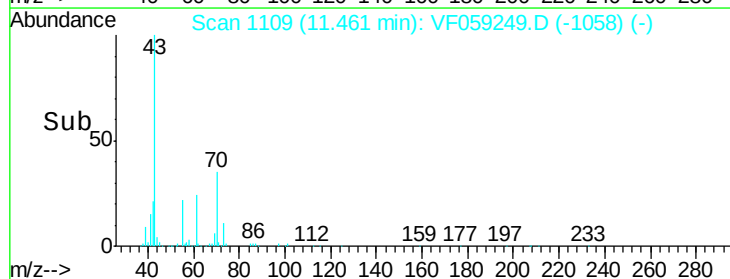
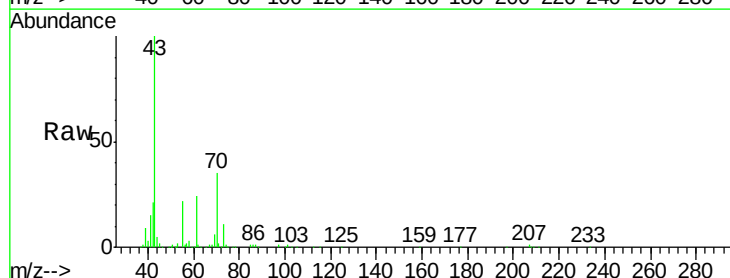
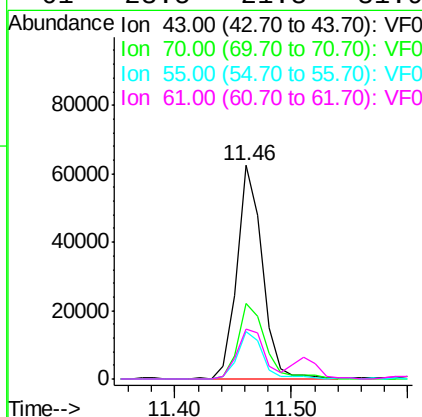
Manual Integrations
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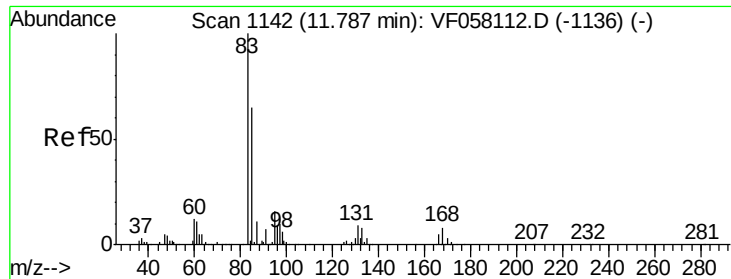
apatel
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#74
N-ethyl acetate
Concen: 17.27 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.3	29.2	43.8
55	22.1	15.8	23.6
61	23.5	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.00 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

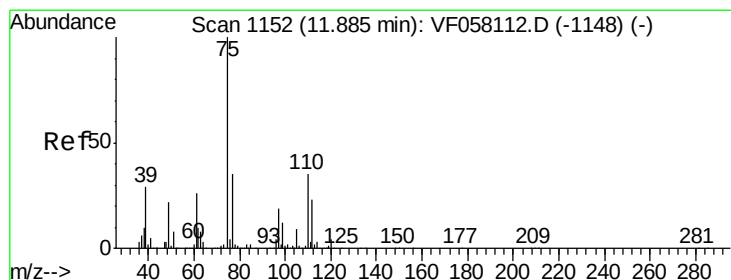
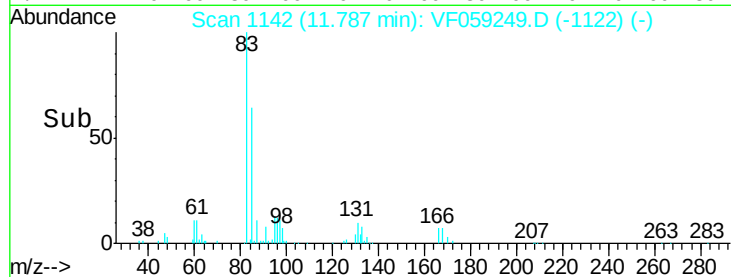
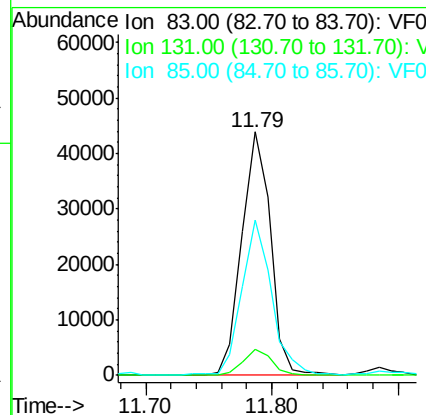
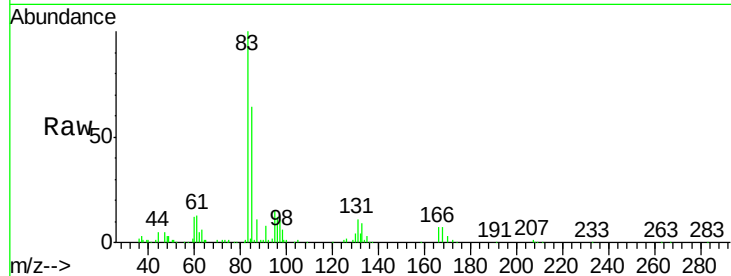
ClientSampleId :

VF0620SBS02

Tot Ion:	83	Resp:	69182
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.5	13.7
85	63.9	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.17 ug/l

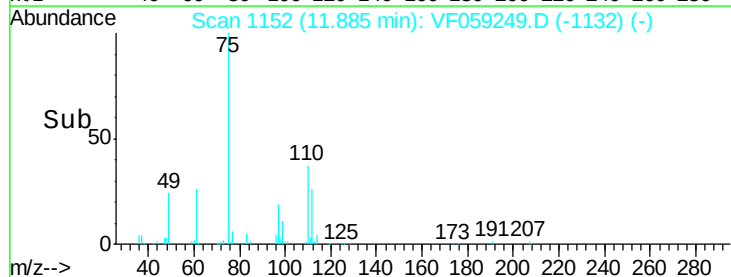
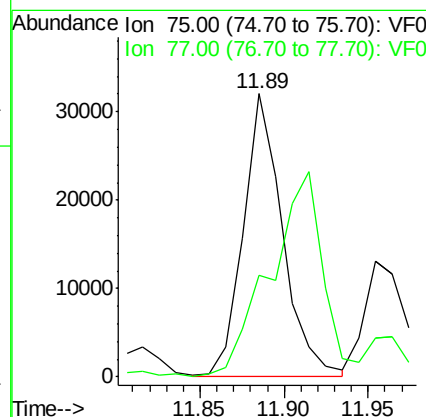
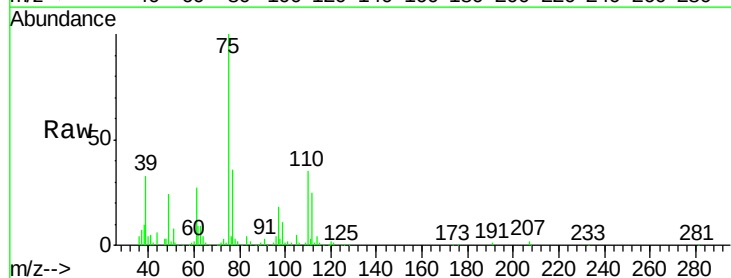
RT: 11.89 min Scan# 1152

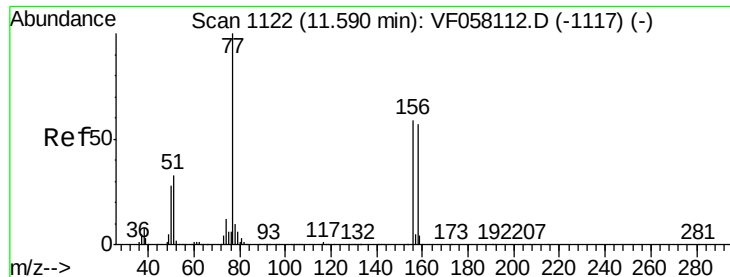
Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion:	75	Resp:	51552
Ion Ratio	Lower	Upper	
75	100		
77	35.7	17.5	52.5





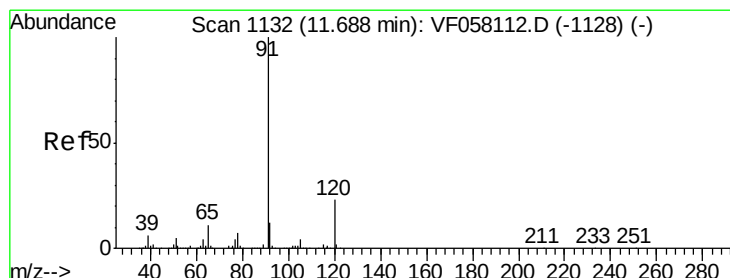
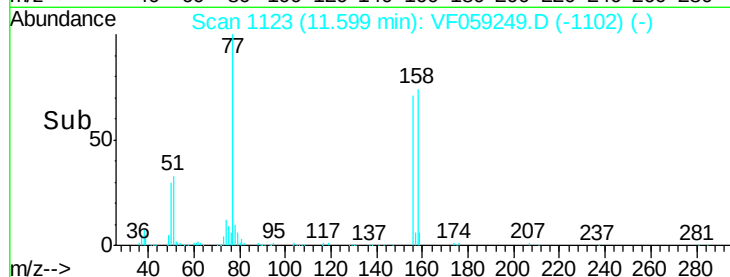
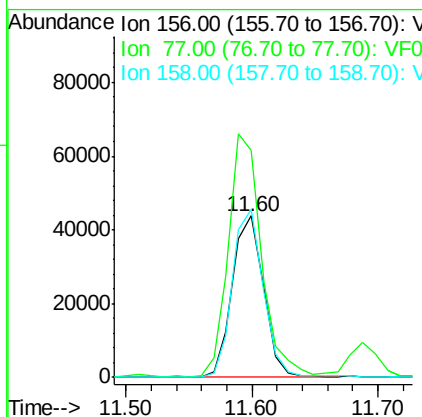
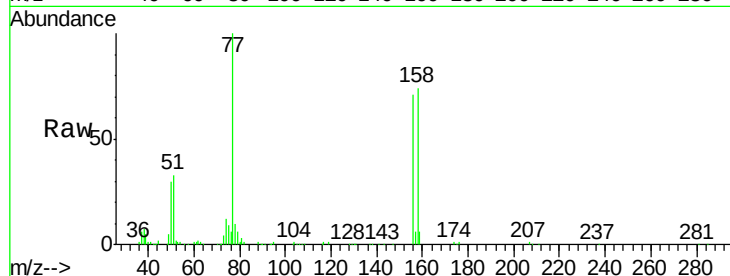
#77
Bromobenzene
Concen: 19.54 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	140.9	84.8	254.4
158	104.0	47.9	143.7

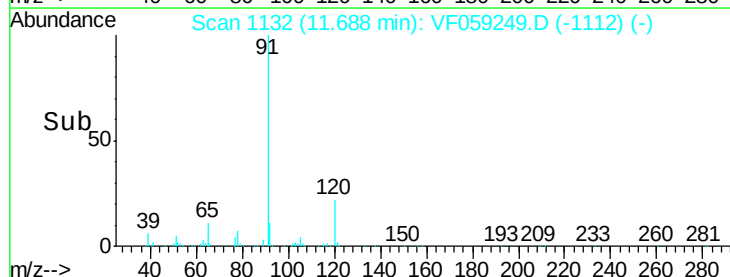
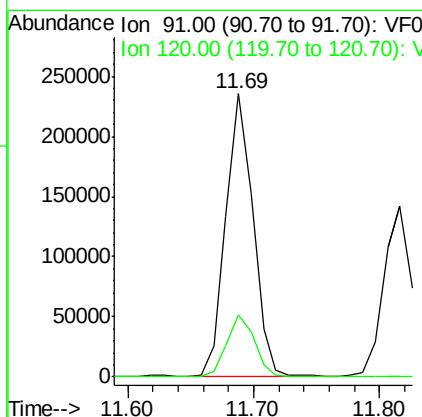
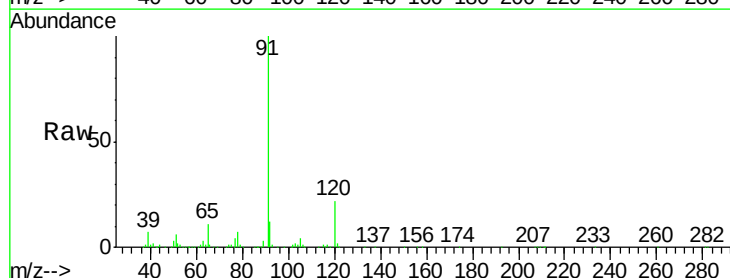
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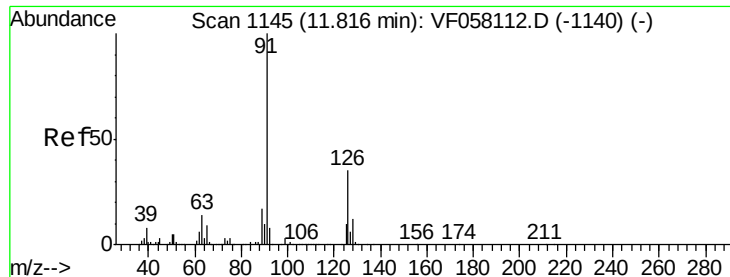
apatel
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#78
n-propylbenzene
Concen: 19.44 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.42 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 91 Resp: 219243

Ion Ratio Lower Upper

91 100

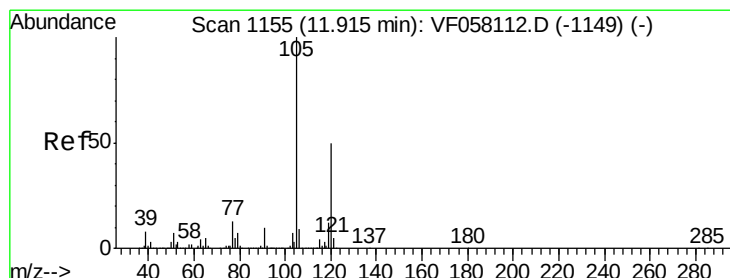
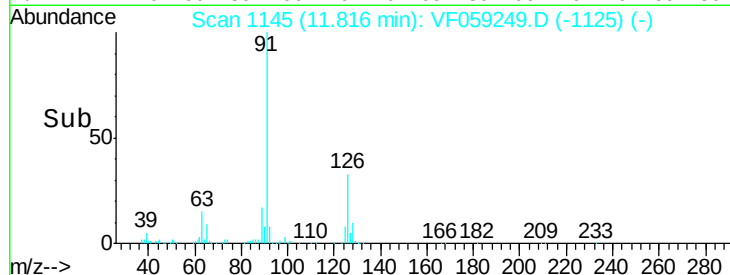
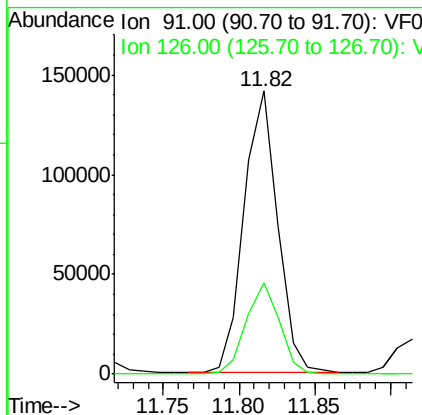
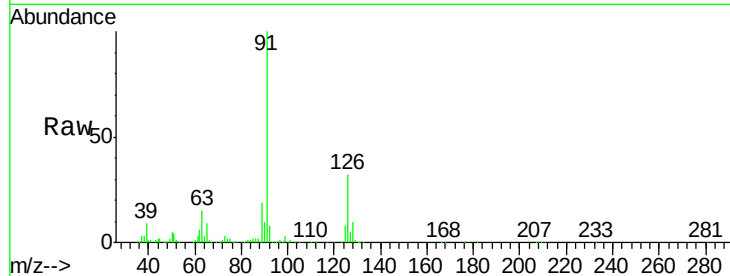
126 32.4 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 20.14 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF059249.D

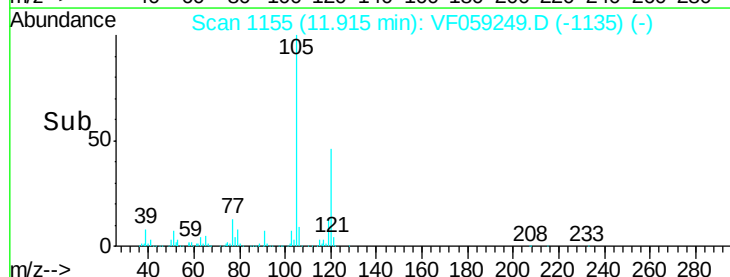
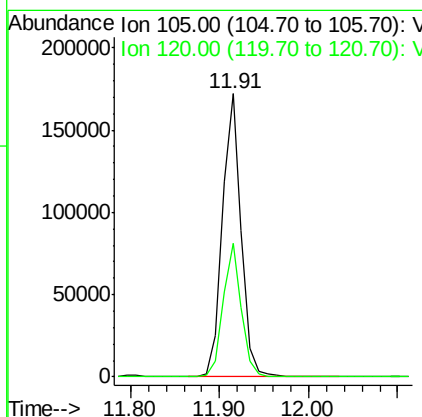
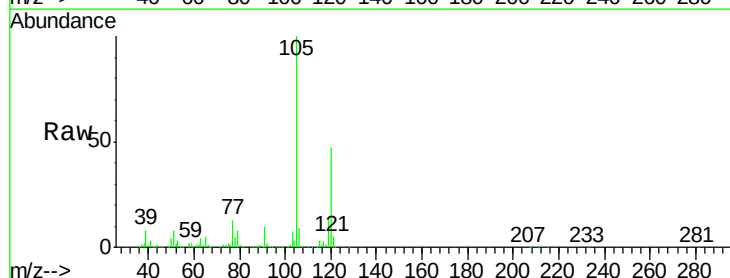
Acq: 21 Jun 2018 3:56

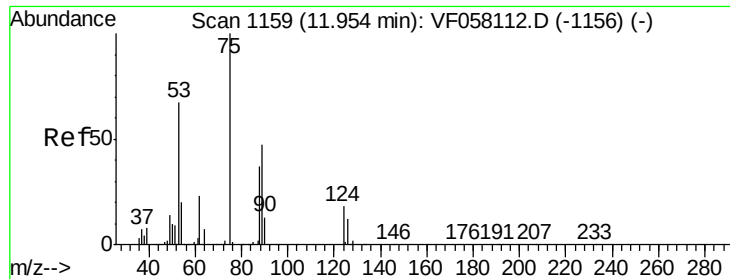
Tgt Ion:105 Resp: 255903

Ion Ratio Lower Upper

105 100

120 47.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 15.78 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

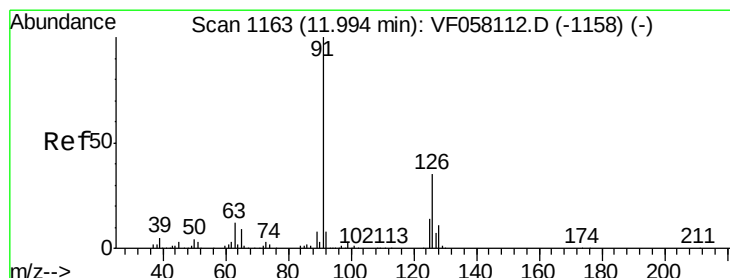
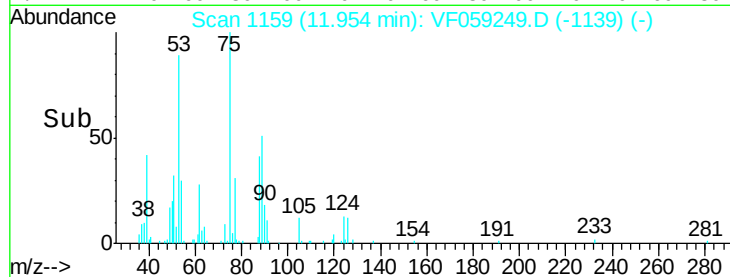
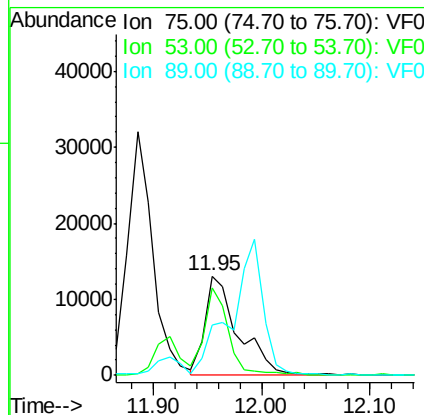
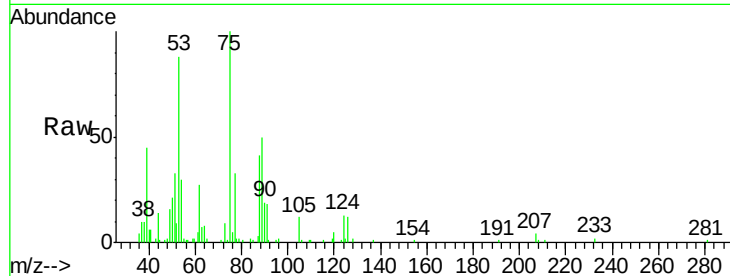
ClientSampleId :

VF0620SBS02

Tot Ion:	75	Resp:	27512
Ion Ratio	Lower	Upper	
75	100		
53	87.9	58.7	88.1
89	50.2	39.8	59.6

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#82

4-Chlorotoluene

Concen: 20.43 ug/l

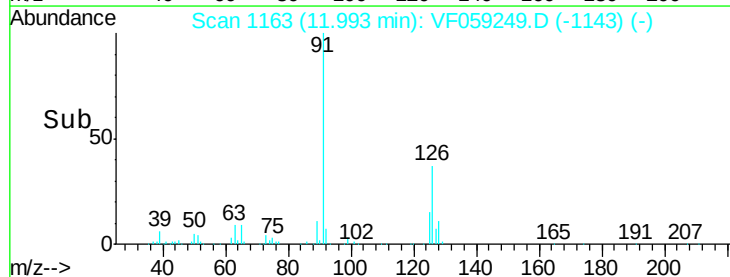
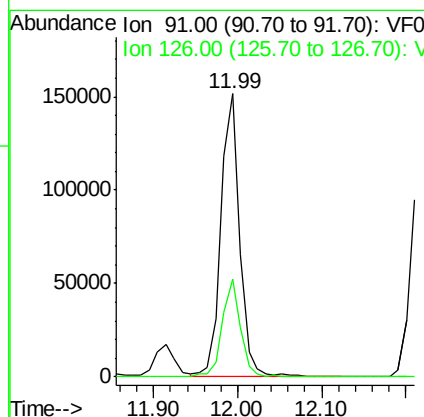
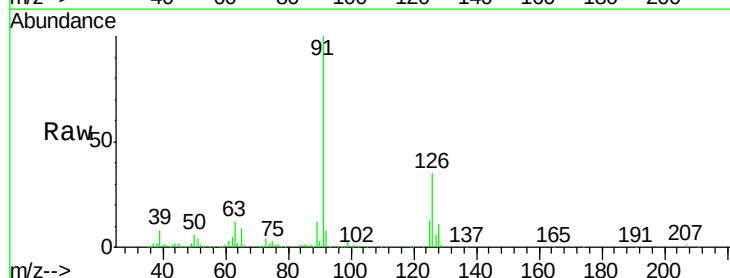
RT: 11.99 min Scan# 1163

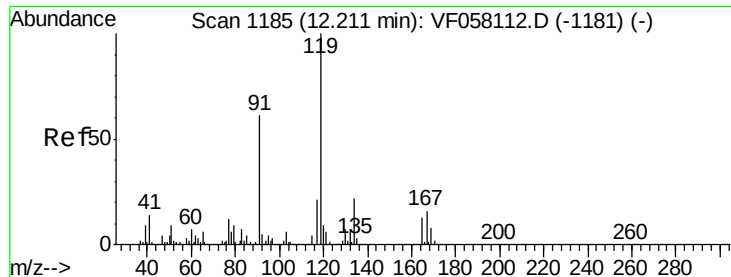
Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion:	91	Resp:	233493
Ion Ratio	Lower	Upper	
91	100		
126	34.8	17.4	52.2





#83

tert-Butylbenzene

Concen: 20.66 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.01 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

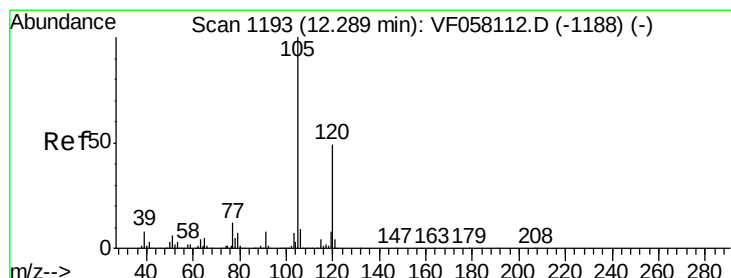
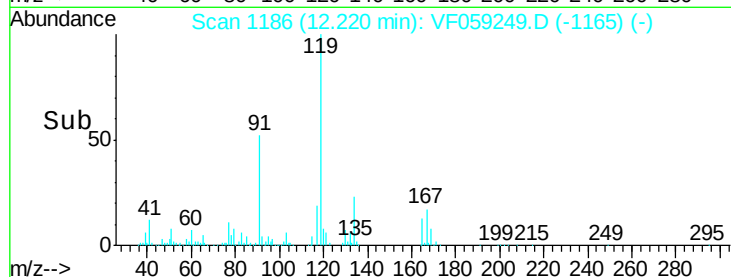
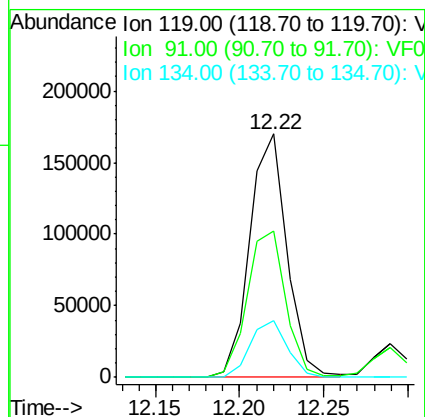
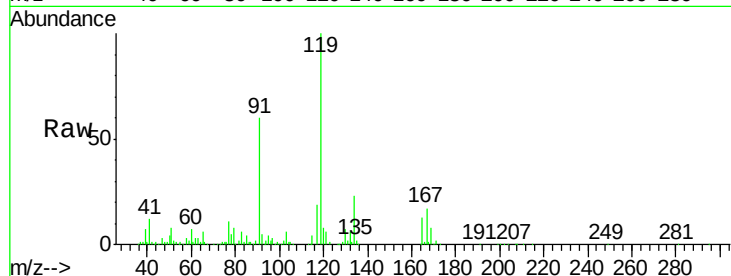
ClientSampleId :

VF0620SBS02

Tot Ion:	119	Resp:	260668
Ion Ratio	Lower	Upper	
119	100		
91	60.1	30.4	91.3
134	23.2	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 20.86 ug/l

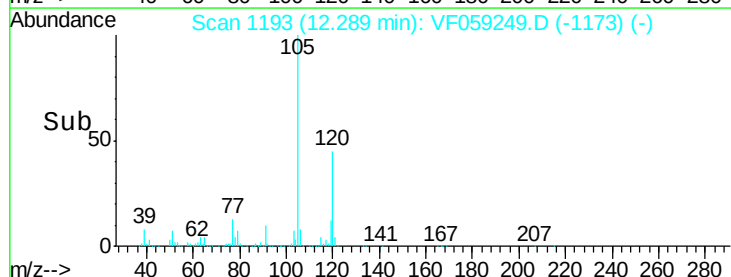
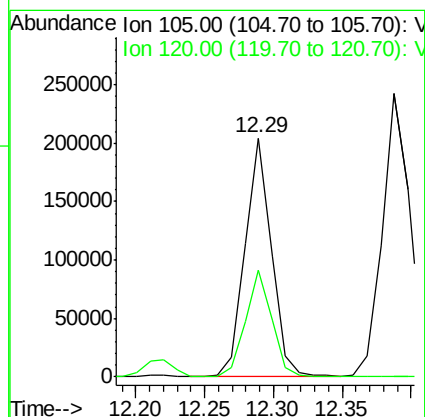
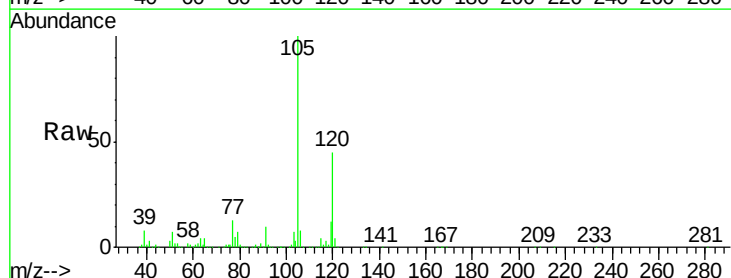
RT: 12.29 min Scan# 1193

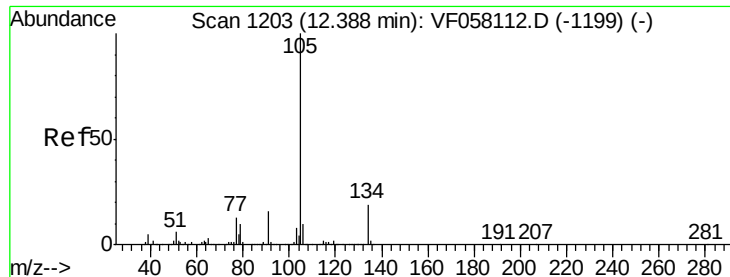
Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion:	105	Resp:	274633
Ion Ratio	Lower	Upper	
105	100		
120	44.7	24.7	74.1





#85

sec-Butylbenzene

Concen: 19.96 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion:105 Resp: 342247

Ion Ratio Lower Upper

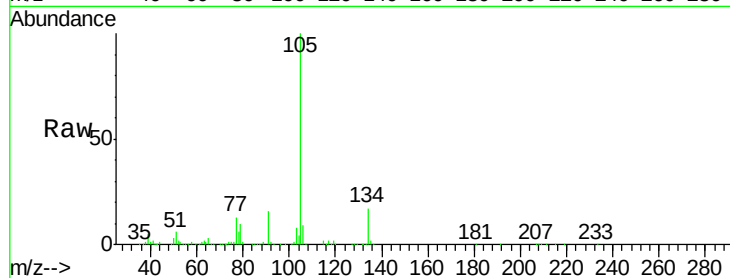
105 100

134 17.2 9.6 28.6

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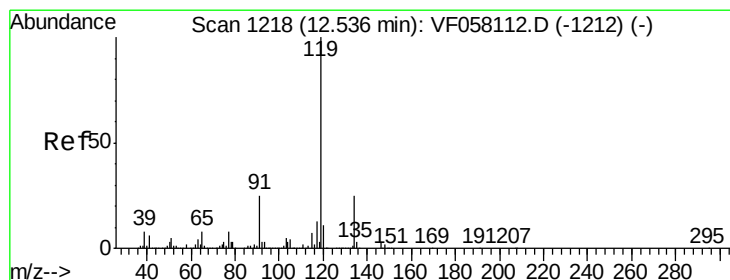
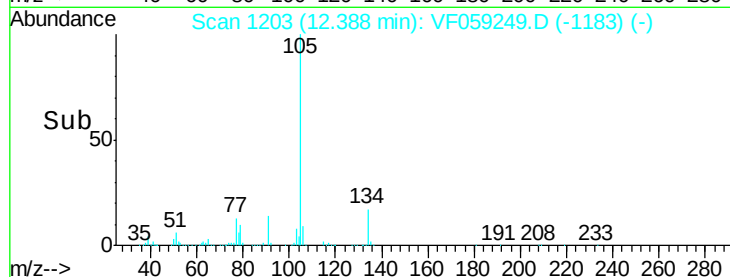
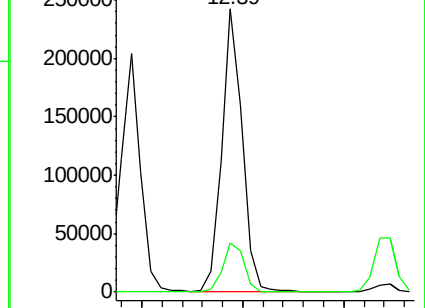
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.19 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

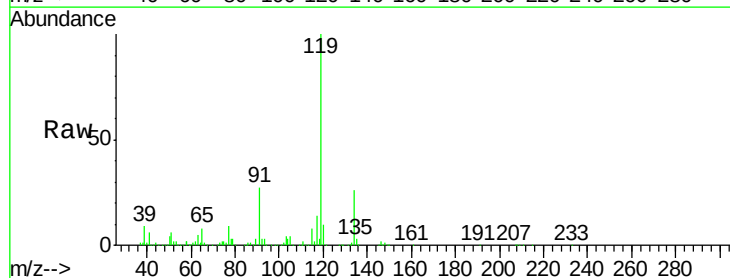
Tgt Ion:119 Resp: 284293

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.0

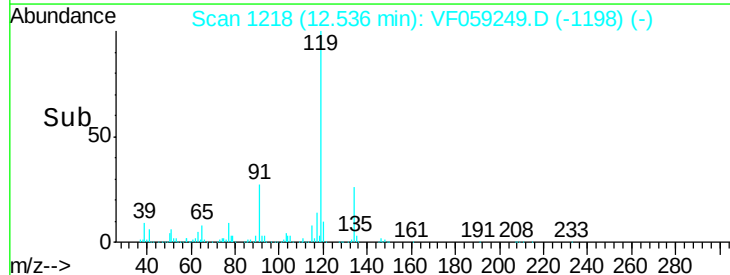
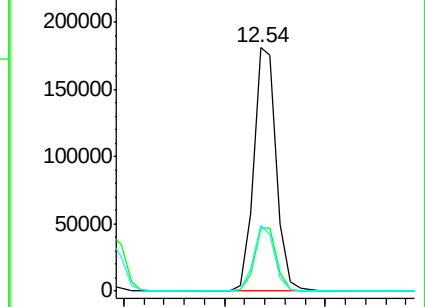
91 26.9 12.6 37.6

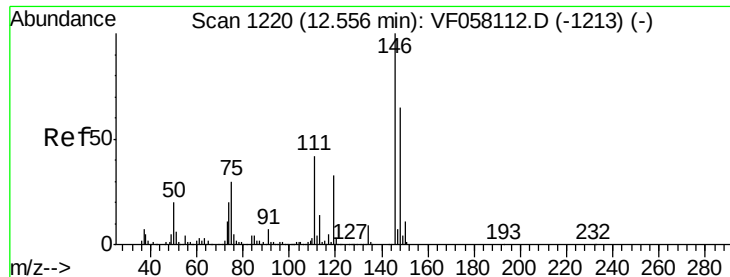


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 20.76 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Instrument :

MSVOA_F

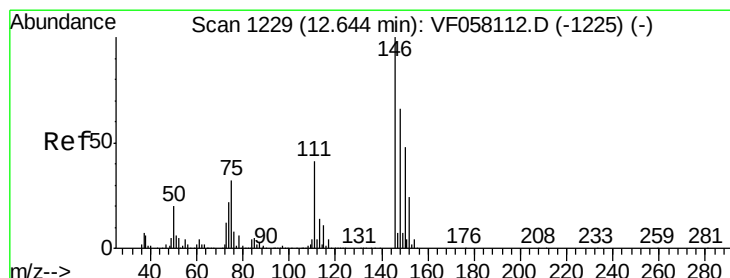
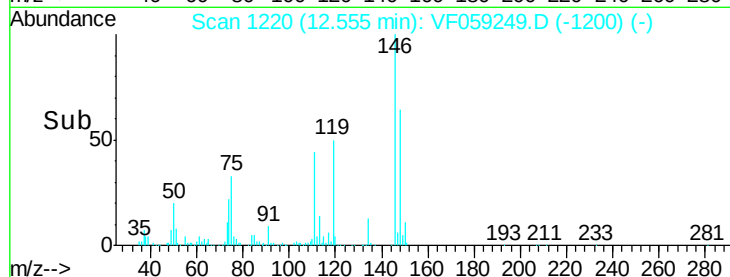
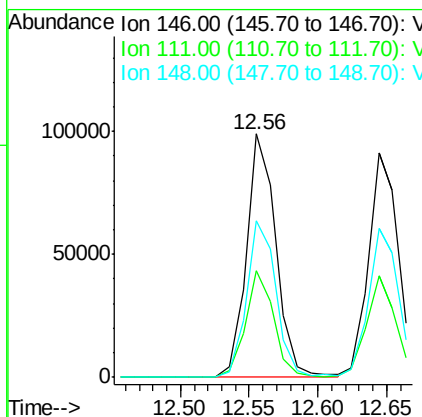
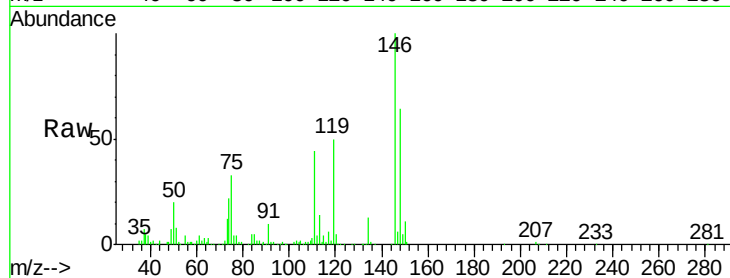
ClientSampleId :

VF0620SBS02

Tot Ion:	146	Resp:	148145
Ion Ratio	Lower	Upper	
146	100		
111	43.9	20.8	62.5
148	64.3	32.3	96.9

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#88

1,4-Dichlorobenzene

Concen: 20.54 ug/l

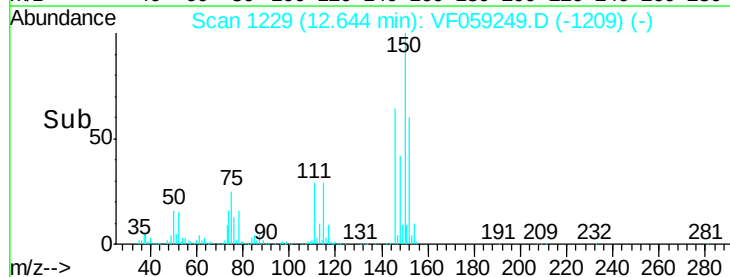
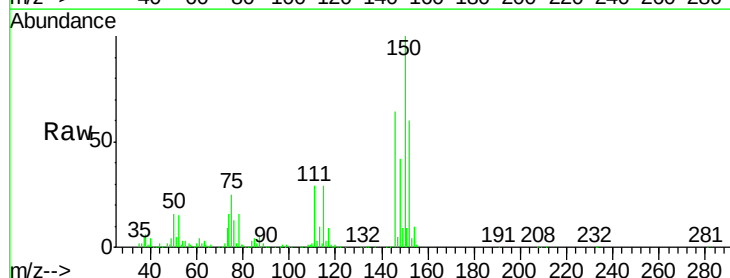
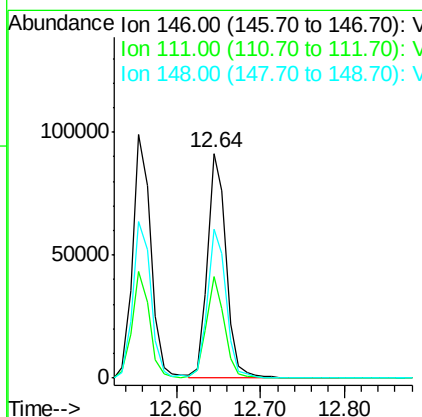
RT: 12.64 min Scan# 1229

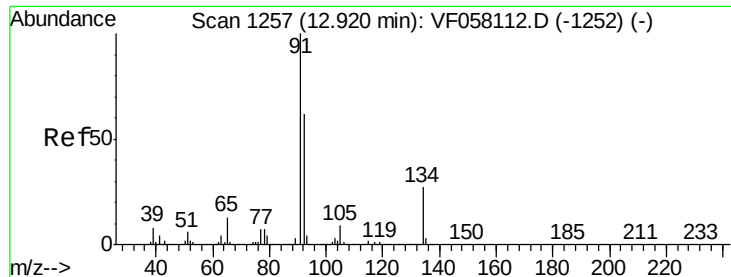
Delta R.T. -0.00 min

Lab File: VF059249.D

Acq: 21 Jun 2018 3:56

Tgt Ion:	146	Resp:	141239
Ion Ratio	Lower	Upper	
146	100		
111	45.0	20.4	61.2
148	66.5	33.0	99.0





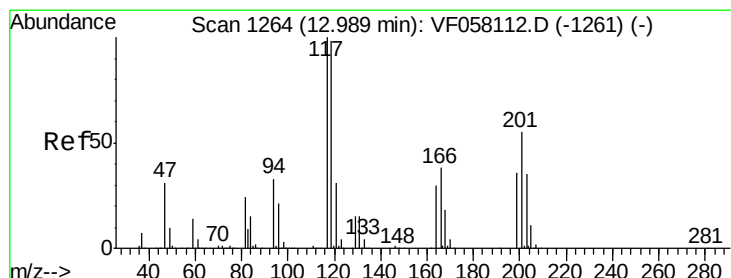
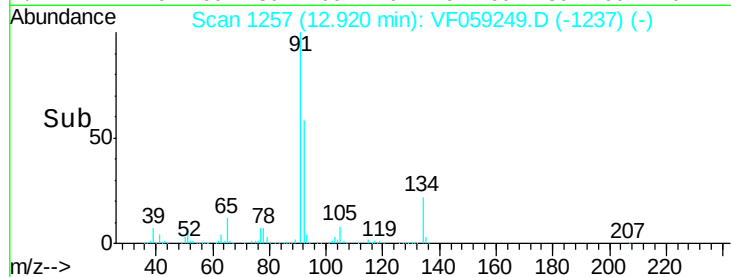
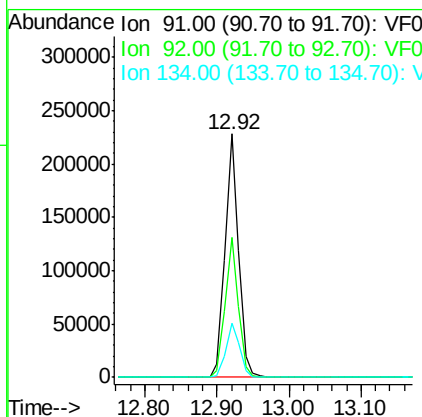
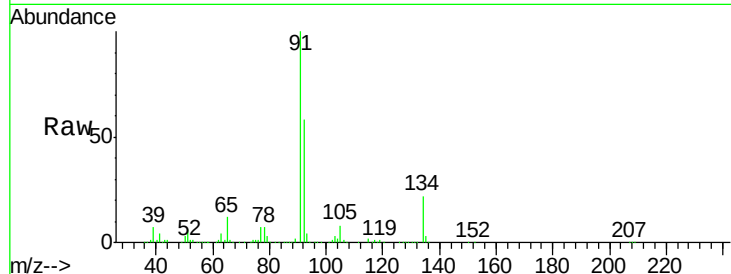
#89
n-Butylbenzene
Concen: 18.15 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	293407		
92	57.6		31.1	93.5
134	22.2		13.6	40.8

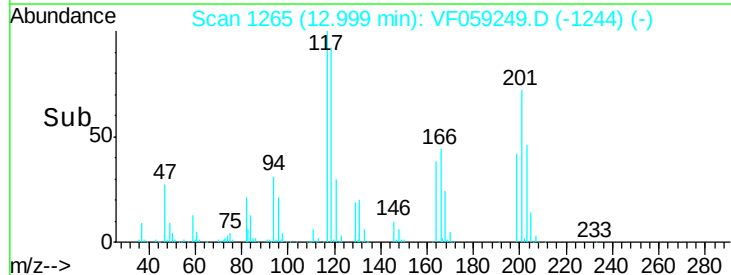
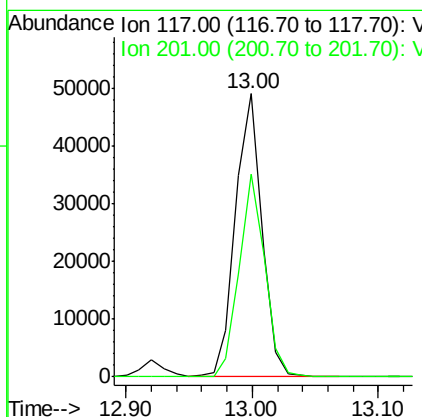
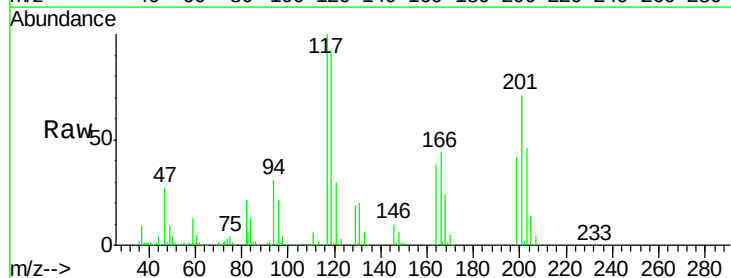
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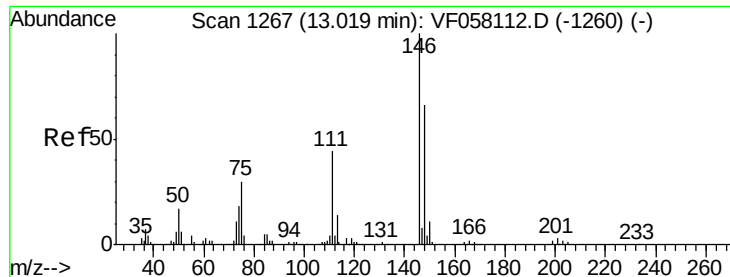
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#90
Hexachloroethane
Concen: 20.52 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	71160		
201	71.5		27.5	82.4





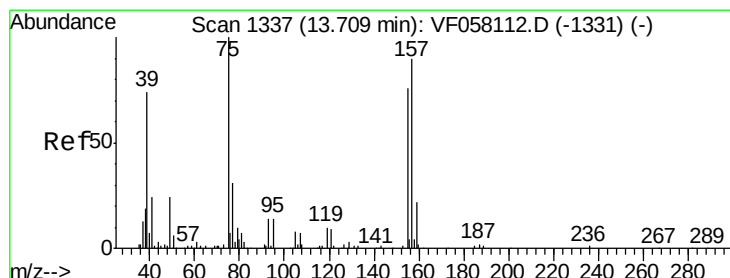
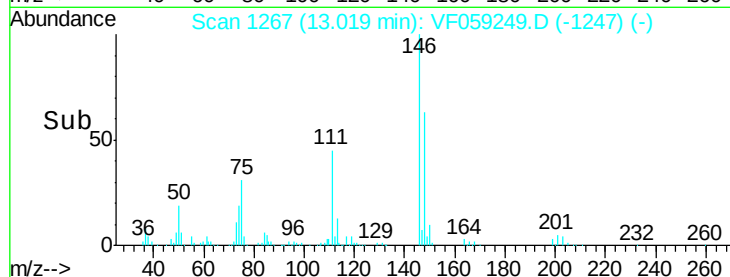
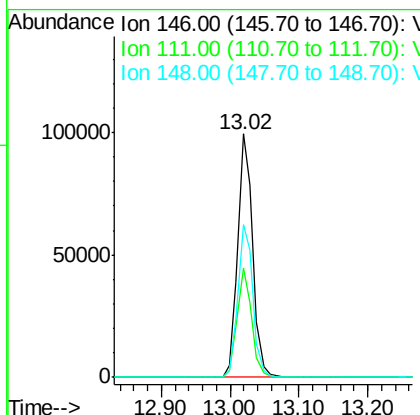
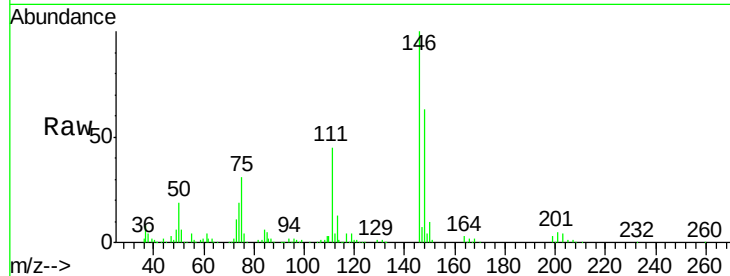
#91
 1,2-Dichlorobenzene
 Concen: 21.80 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059249.D
 Acq: 21 Jun 2018 3:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	149822		
111	44.9	22.0	66.0	
148	62.7	33.1	99.3	

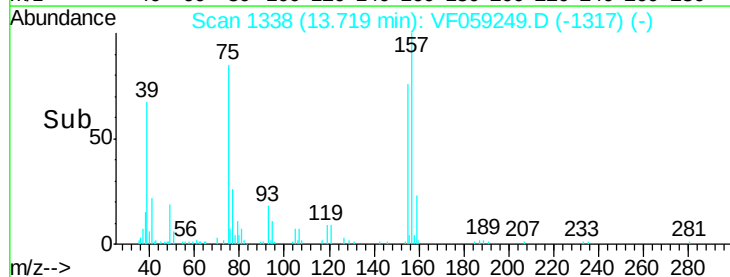
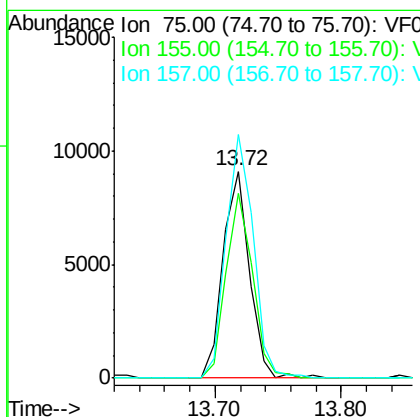
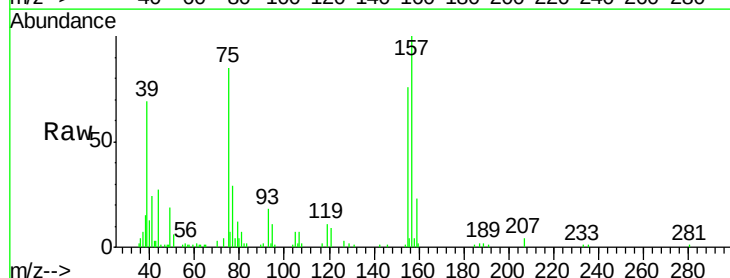
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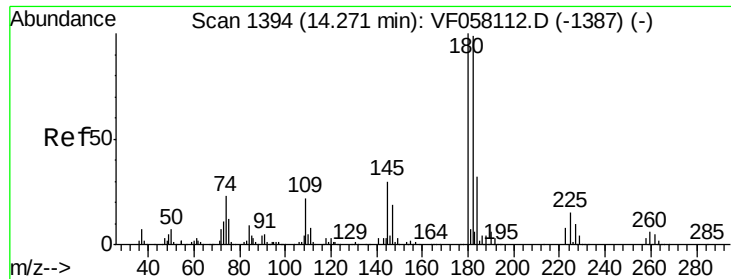
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.36 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059249.D
 Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13111		
155	89.5	38.0	114.0	
157	117.8	45.1	135.5	





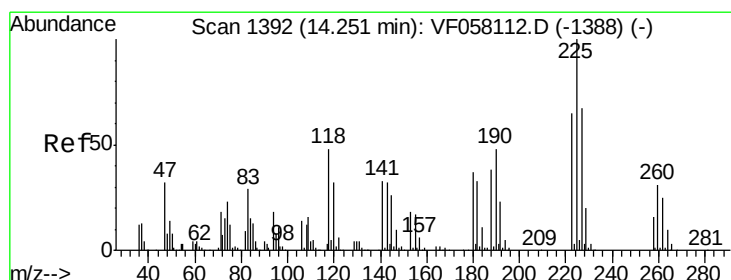
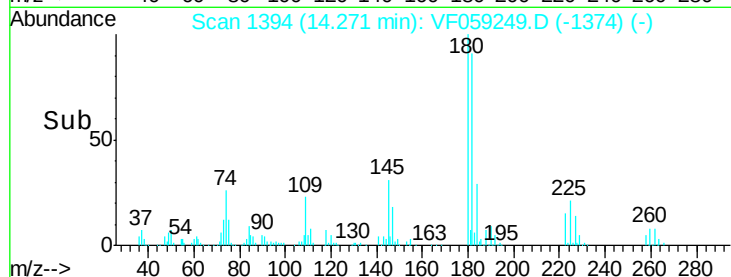
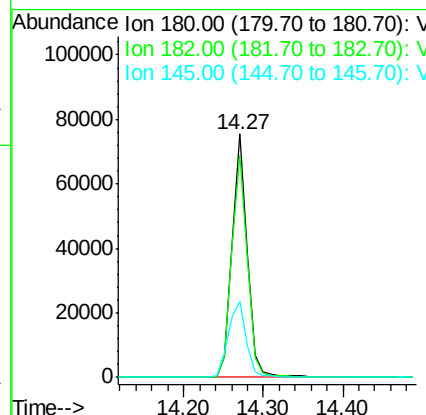
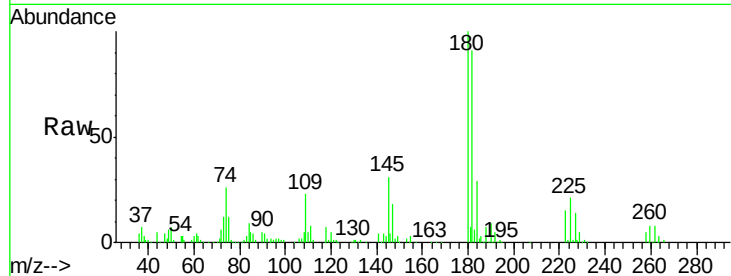
#93
 1,2,4-Trichlorobenzene
 Concen: 21.36 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059249.D
 Acq: 21 Jun 2018 3:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102668		
182	91.4	49.3	147.9	
145	31.2	14.9	44.9	

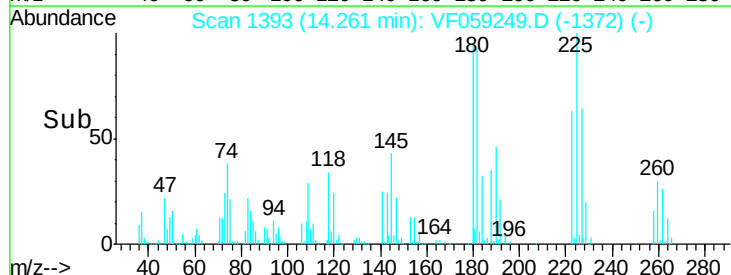
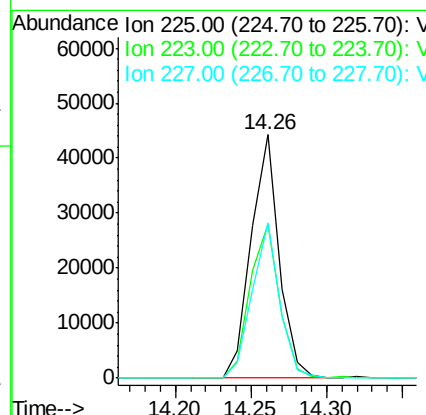
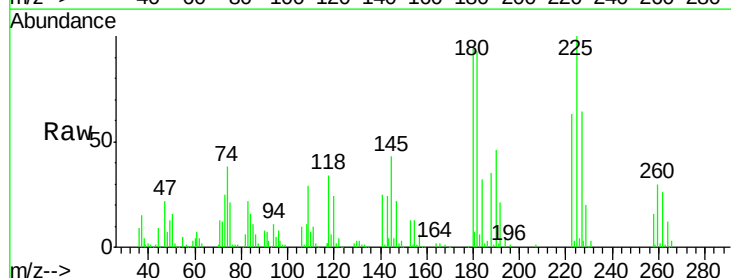
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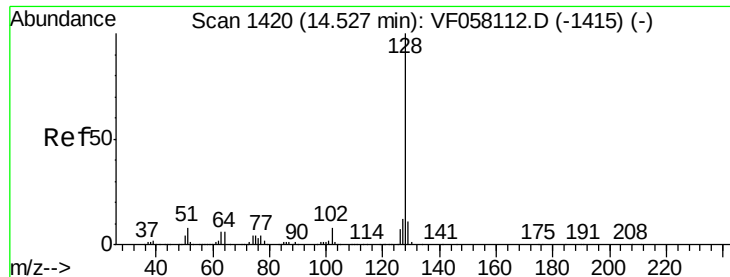
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#94
 Hexachlorobutadiene
 Concen: 20.56 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059249.D
 Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57188		
223	63.3	32.8	98.3	
227	63.6	33.3	99.9	





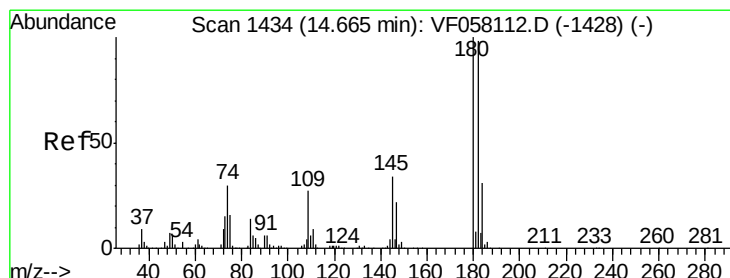
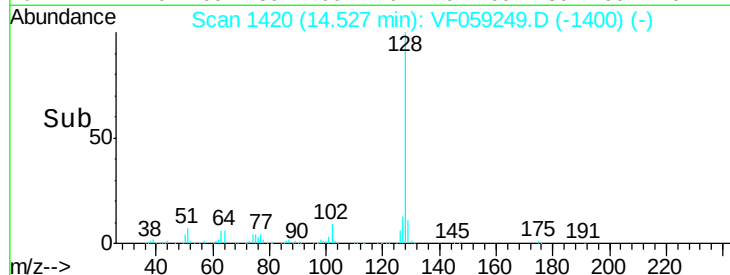
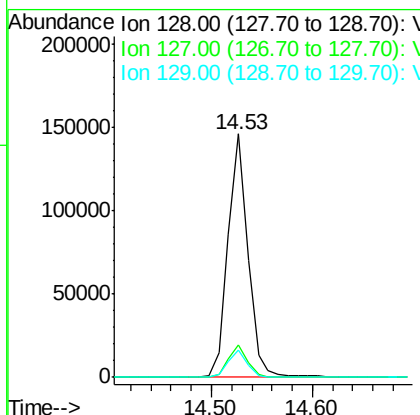
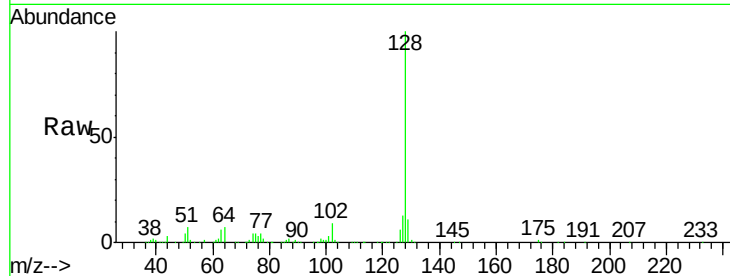
#95
Naphthalene
Concen: 19.60 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	201269		
127	13.2		9.9	14.9
129	11.3		8.7	13.1

Manual Integrations
APPROVED

apatel
6/21/2018 9:46:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.46 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059249.D
Acq: 21 Jun 2018 3:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90877		
182	95.4		48.9	146.6
145	29.1		17.3	51.7

