

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061818\
 Data File : VF059189.D
 Acq On : 18 Jun 2018 21:30
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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 6/19/2018 3:54:35 PM

Quant Time: Jun 19 04:29:03 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	5.03	168	153899	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	244561	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	231899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	133914	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	105504	56.53	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	113.06%	
35) Dibromofluoromethane	4.28	113	96690	56.35	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.70%	
50) Toluene-d8	7.70	98	251965	49.98	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.50	95	126016	48.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	76915	44.157	ug/l	96
3) Chloromethane	1.08	50	55915	41.441	ug/l	98
4) Vinyl Chloride	1.14	62	57404	47.157	ug/l	97
5) Bromomethane	1.33	94	39610	55.845	ug/l #	78
6) Chloroethane	1.42	64	28793	57.007	ug/l #	86
7) Trichlorofluoromethane	1.49	101	93126m	49.217	ug/l	
8) Diethyl Ether	1.70	74	27361	57.474	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	62292	51.656	ug/l	97
10) Methyl Iodide	1.95	142	119737	56.746	ug/l	92
11) Tert butyl alcohol	2.68	59	38172	319.188	ug/l #	90
12) 1,1-Dichloroethene	1.84	96	55100	54.336	ug/l	83
13) Acrolein	2.09	56	29138	281.496	ug/l	99
14) Allyl chloride	2.19	41	109383	54.958	ug/l	98
15) Acrylonitrile	3.07	53	76591	322.465	ug/l	94
16) Acetone	2.33	43	141519	317.564	ug/l	94
17) Carbon Disulfide	1.84	76	142753	50.139	ug/l	100
18) Methyl Acetate	2.44	43	59220m	77.302	ug/l	
19) Methyl tert-butyl Ether	2.53	73	192019	60.997	ug/l	98
20) Methylene Chloride	2.27	84	64711	60.645	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	58355	52.472	ug/l	92
22) Diisopropyl ether	2.91	45	231183	59.088	ug/l	97
23) Vinyl Acetate	3.32	43	768173	297.780	ug/l	99
24) 1,1-Dichloroethane	2.99	63	134680	56.780	ug/l	98
25) 2-Butanone	4.50	43	192235	278.241	ug/l	100
26) 2,2-Dichloropropane	3.75	77	104942	60.984	ug/l	91
27) cis-1,2-Dichloroethene	3.62	96	90776	53.035	ug/l	92
28) Bromochloromethane	3.88	49	53471	50.084	ug/l	91
29) Tetrahydrofuran	4.25	42	87364	286.979	ug/l	97
30) Chloroform	4.03	83	187986	55.401	ug/l	90
31) Cyclohexane	3.85	56	97309	46.962	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	145921	57.603	ug/l	98
36) 1,1-Dichloropropene	4.45	75	125333	52.872	ug/l	93
37) Ethyl Acetate	4.28	43	92617	63.233	ug/l	98
38) Carbon Tetrachloride	4.16	117	145080	56.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	123540	51.127	ug/l	96
40) Benzene	4.80	78	299203	54.379	ug/l	97
41) Methacrylonitrile	4.92	41	39557	54.971	ug/l	96
42) 1,2-Dichloroethane	5.10	62	147168	59.637	ug/l	99
43) Isopropyl Acetate	7.10	43	103647	52.837	ug/l #	96
44) Trichloroethene	5.66	130	95920	55.793	ug/l	91
45) 1,2-Dichloropropane	6.39	63	79471	50.093	ug/l	100
46) Dibromomethane	6.25	93	65013	54.465	ug/l	88
47) Bromodichloromethane	6.53	83	156028	57.458	ug/l	98
48) Methyl methacrylate	6.86	41	67376	55.717	ug/l	92
49) 1,4-Dioxane	6.86	88	14086	1776.955	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	380804	283.235	ug/l	98
52) Toluene	7.76	92	197969	49.953	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	137456	52.268	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	156151	51.688	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	73558	51.220	ug/l	96
56) Ethyl methacrylate	8.75	69	91167	50.362	ug/l	93
57) 1,3-Dichloropropane	9.00	76	132168	53.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	34311	265.077	ug/l	100
59) 2-Hexanone	9.62	43	271932	255.700	ug/l	86
60) Dibromochloromethane	8.86	129	112020	54.281	ug/l	98
61) 1,2-Dibromoethane	9.12	107	89255	53.487	ug/l	98
64) Tetrachloroethene	8.31	164	87327	51.343	ug/l	97
65) Chlorobenzene	9.93	112	246166	53.607	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	105960	58.007	ug/l	92
67) Ethyl Benzene	10.03	91	421203	52.788	ug/l	96
68) m/p-Xylenes	10.26	106	295663	98.972	ug/l	89
69) o-Xylene	10.82	106	158744	49.167	ug/l	92
70) Styrene	10.90	104	252420	51.672	ug/l	99
71) Bromoform	10.88	173	73804	59.494	ug/l #	95
73) Isopropylbenzene	11.22	105	482134	52.002	ug/l	99
74) N-amyl acetate	11.46	43	166765	50.353	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	112493	51.177	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	86556	53.318	ug/l	98
77) Bromobenzene	11.59	156	124918	53.535	ug/l	89
78) n-propylbenzene	11.69	91	549910	50.110	ug/l	99
79) 2-Chlorotoluene	11.81	91	326520	50.365	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	404863	52.760	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	50753	48.219	ug/l	93
82) 4-Chlorotoluene	11.98	91	337496	48.899	ug/l	96
83) tert-Butylbenzene	12.21	119	422413	55.439	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	409295	51.478	ug/l	91
85) sec-Butylbenzene	12.39	105	526643	50.867	ug/l	99
86) p-Isopropyltoluene	12.54	119	466937	54.910	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	216545	50.266	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	219381	52.844	ug/l	97
89) n-Butylbenzene	12.92	91	428211	48.376	ug/l	96
90) Hexachloroethane	12.99	117	109121	52.108	ug/l	85
91) 1,2-Dichlorobenzene	13.02	146	212131	51.114	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	24625	57.113	ug/l	94

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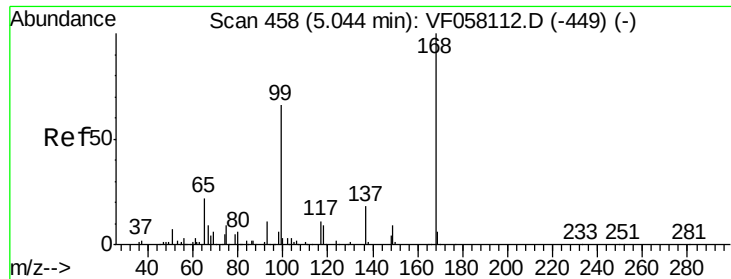
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	161001	55.465	ug/l	92
94) Hexachlorobutadiene	14.25	225	100092	59.587	ug/l	94
95) Naphthalene	14.52	128	355207	57.290	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	153228	57.123	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 153899

Ion Ratio Lower Upper

168 100

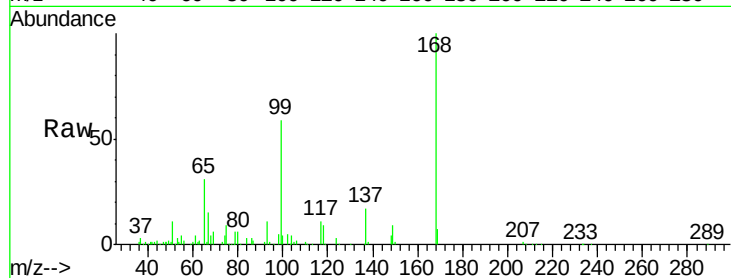
99 59.5 52.9 79.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

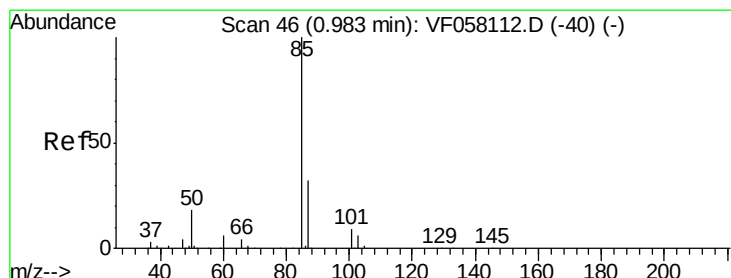
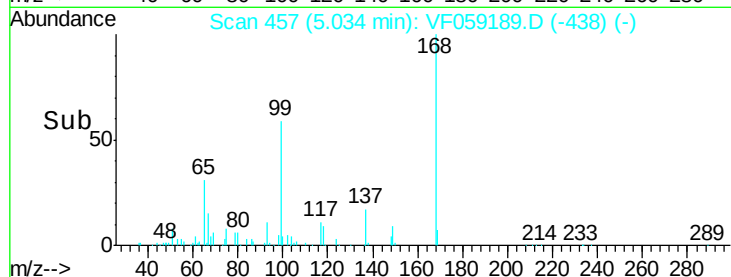
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 44.157 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059189.D

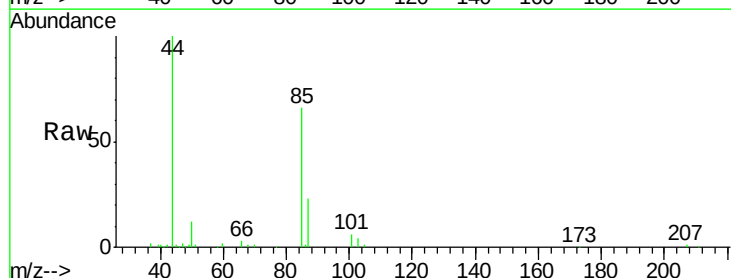
Acq: 18 Jun 2018 21:30

Tgt Ion: 85 Resp: 76915

Ion Ratio Lower Upper

85 100

87 34.5 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

25000

20000

15000

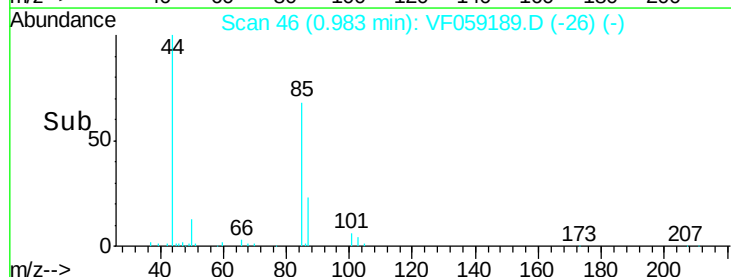
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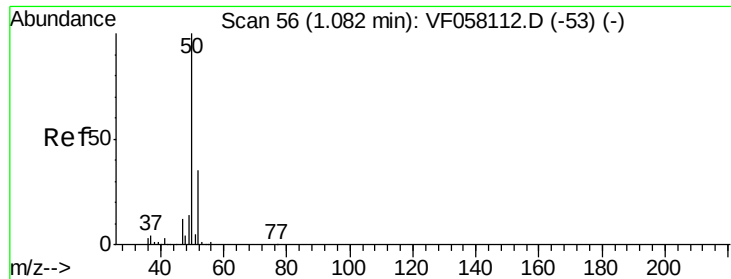
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 41.441 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 55915

Ion Ratio Lower Upper

50 100

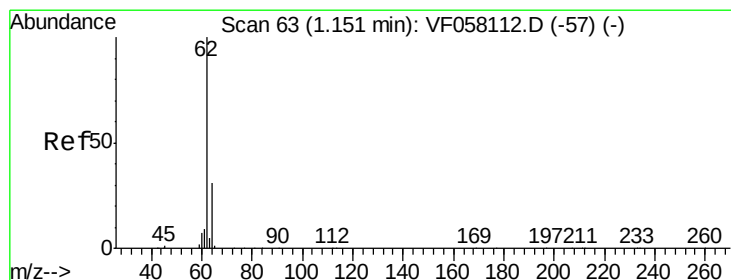
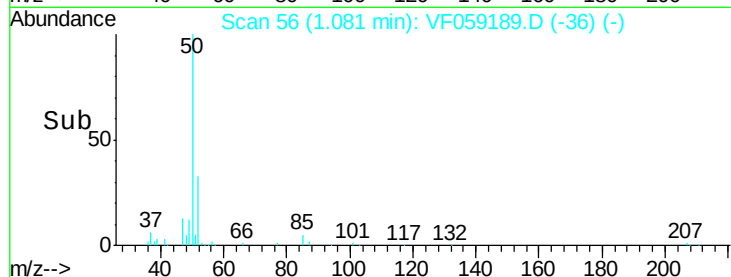
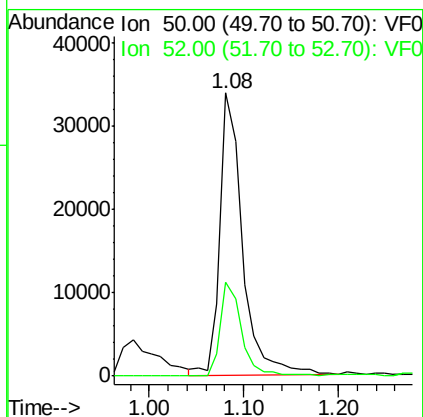
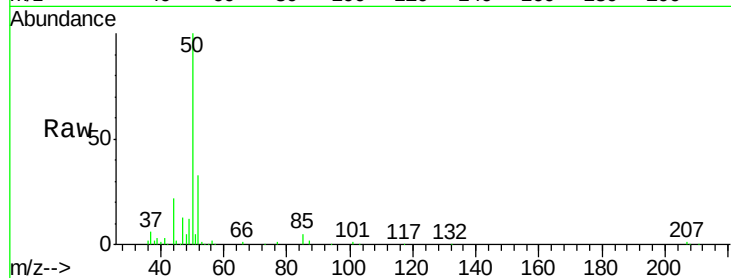
52 33.1 27.3 40.9

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#4

Vinyl Chloride

Concen: 47.157 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059189.D

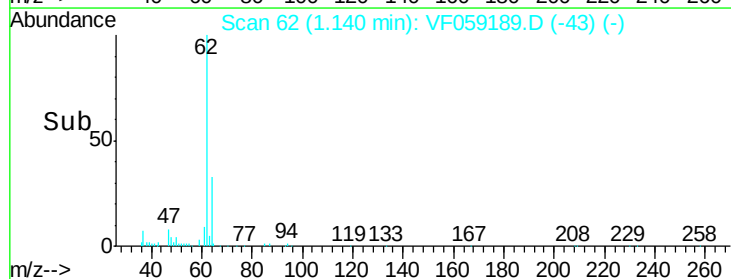
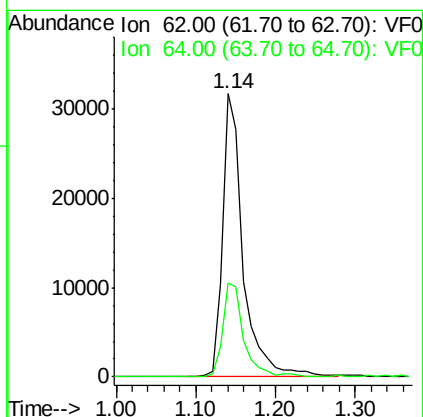
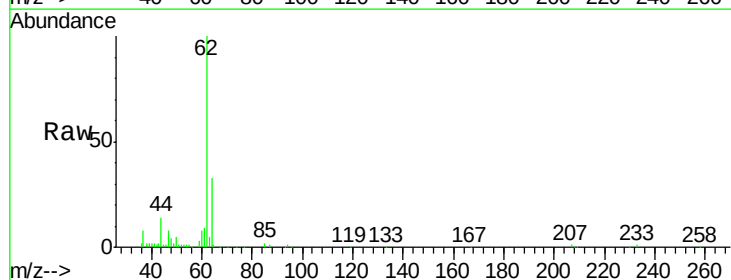
Acq: 18 Jun 2018 21:30

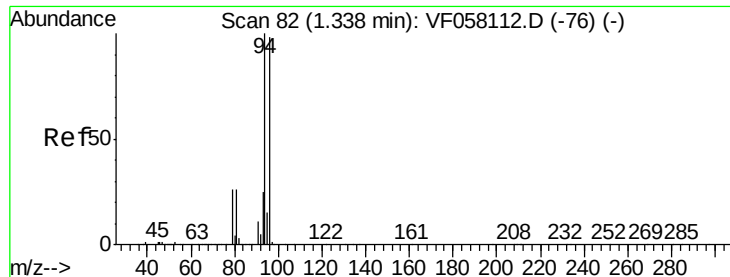
Tgt Ion: 62 Resp: 57404

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.6





#5

Bromomethane

Concen: 55.845 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 39610

Ion Ratio Lower Upper

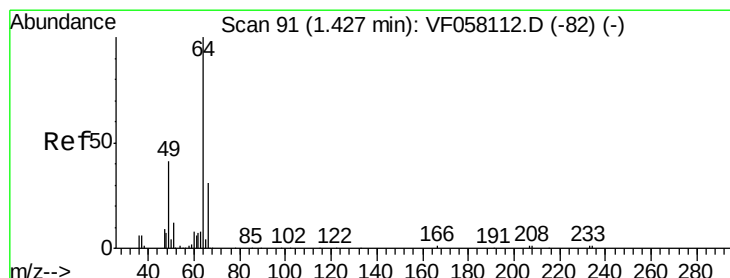
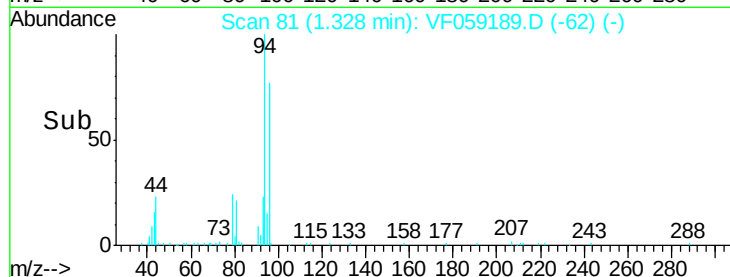
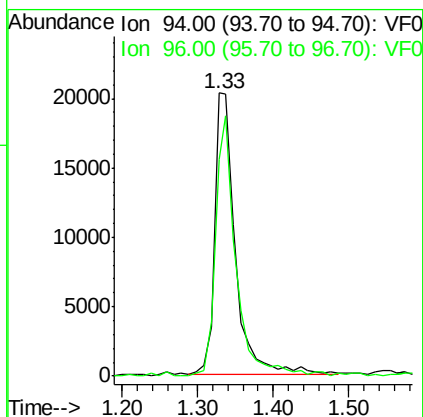
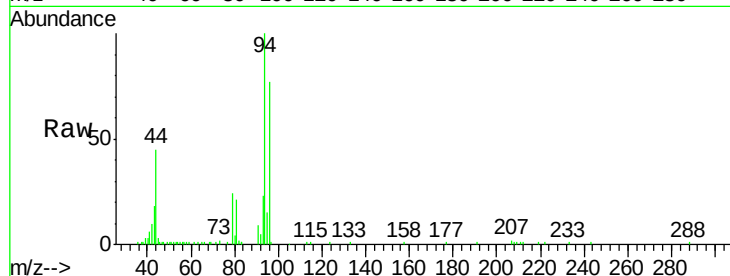
94 100

96 76.6 78.6 117.8#

Manual Integrations
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#6

Chloroethane

Concen: 57.007 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059189.D

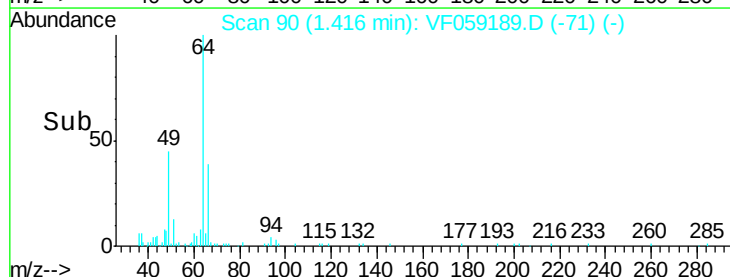
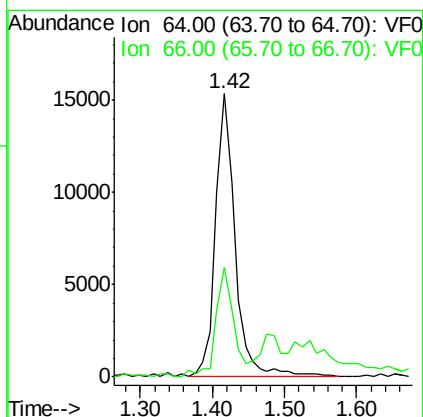
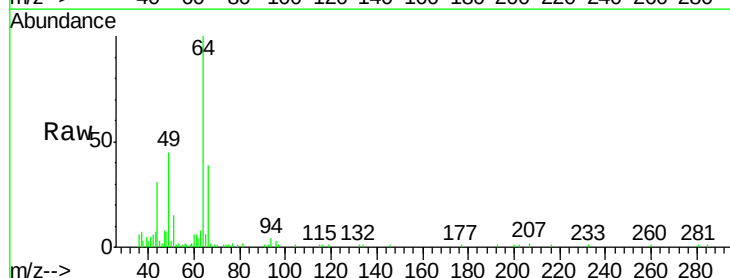
Acq: 18 Jun 2018 21:30

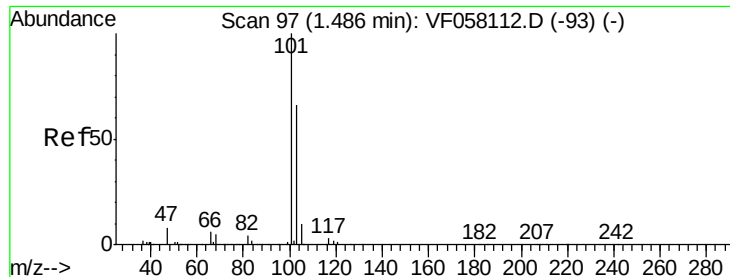
Tgt Ion: 64 Resp: 28793

Ion Ratio Lower Upper

64 100

66 38.7 24.9 37.3#





#7

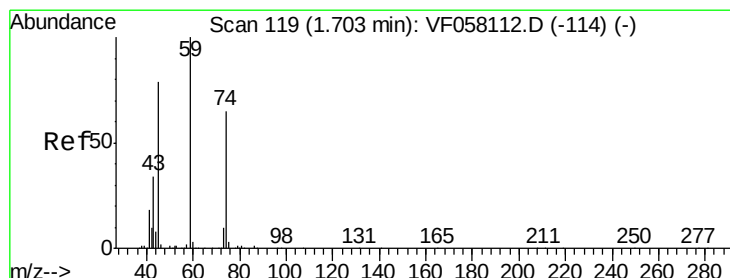
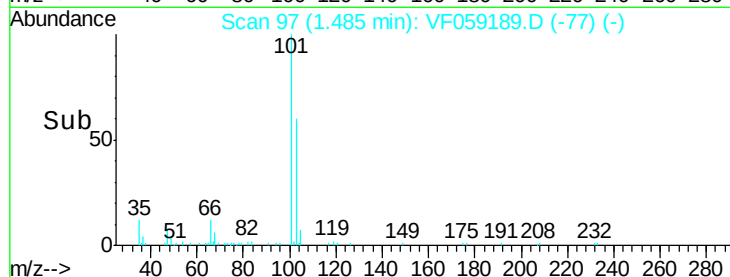
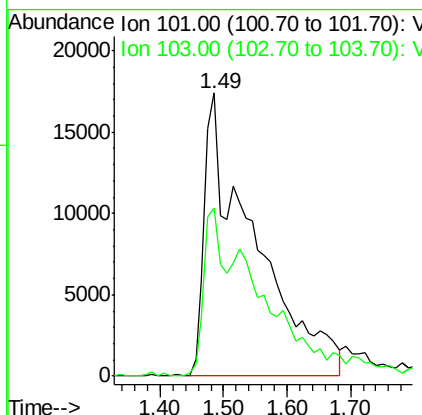
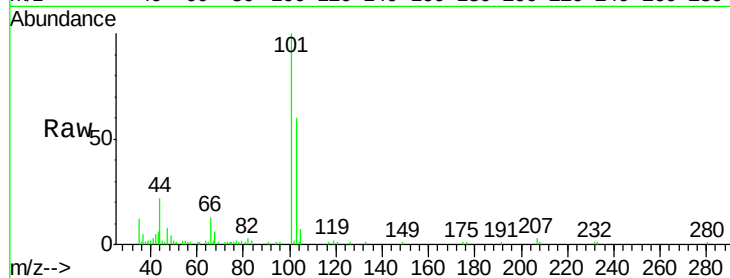
Trichlorofluoromethane
Concen: 49.217 ug/l
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.6	53.4	80.2

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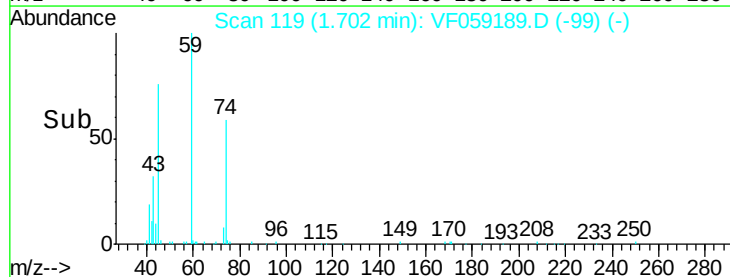
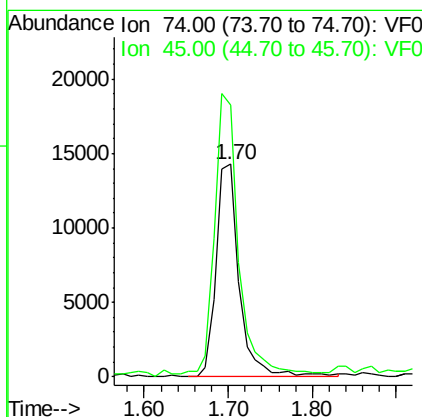
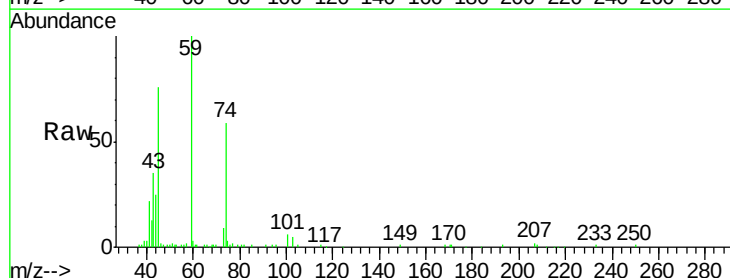
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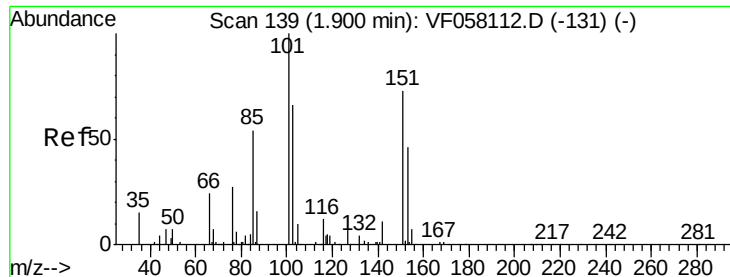


#8

Diethyl Ether
Concen: 57.474 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.0	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.656 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

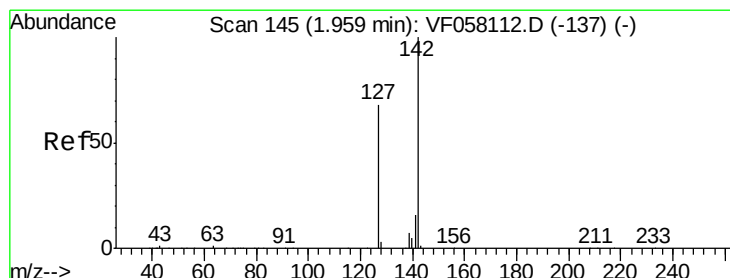
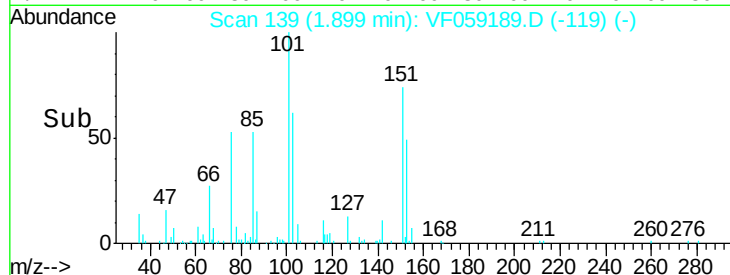
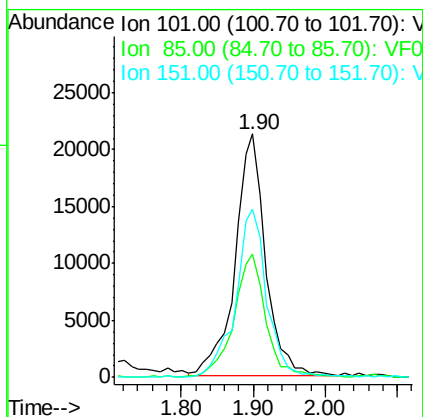
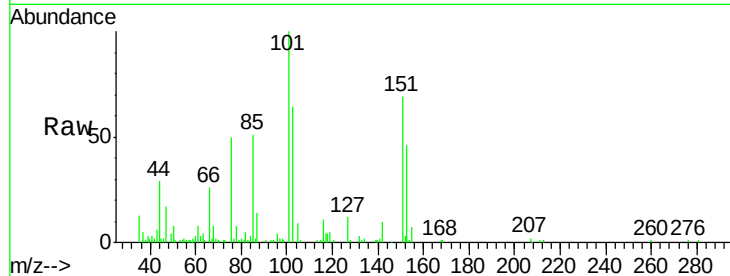
ClientSampleId :

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Tot Ion:	101	Resp:	62292
Ion Ratio	Lower	Upper	
101	100		
85	50.8	42.2	63.4
151	69.1	56.8	85.2

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#10

Methyl Iodide

Concen: 56.746 ug/l

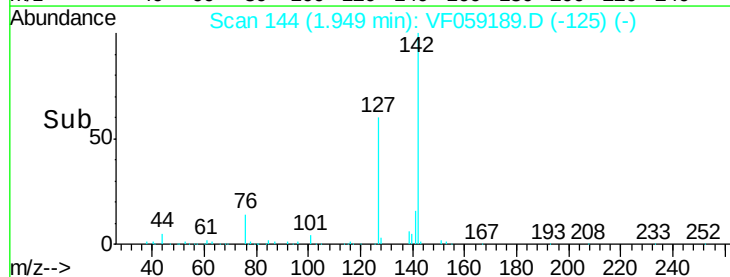
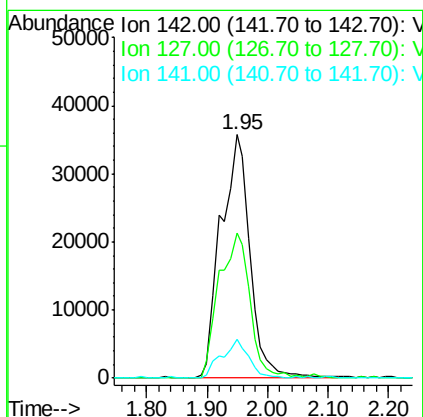
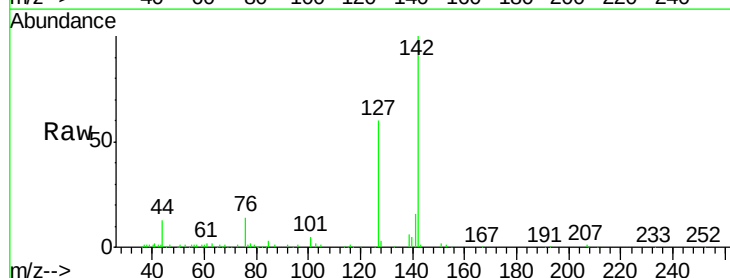
RT: 1.95 min Scan# 144

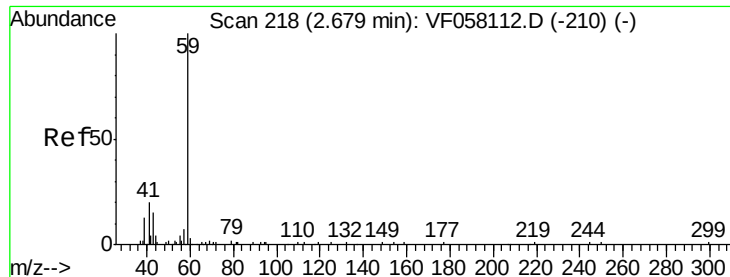
Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion:	142	Resp:	119737
Ion Ratio	Lower	Upper	
142	100		
127	59.7	54.1	81.1
141	15.7	13.0	19.4





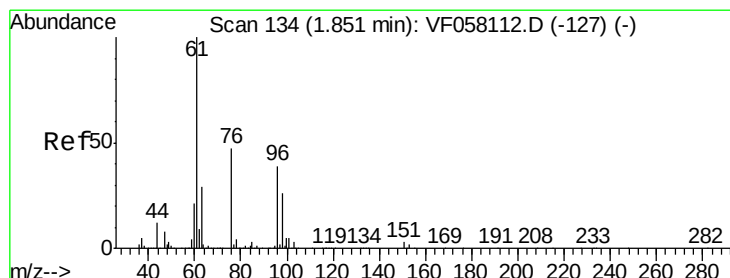
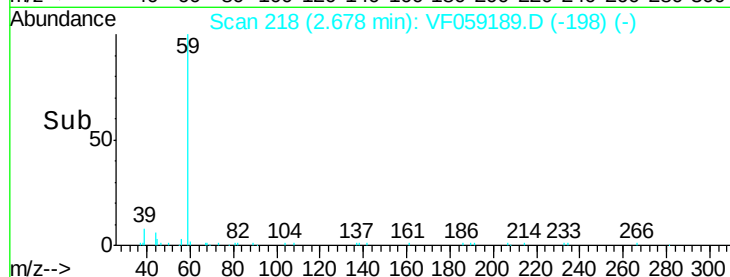
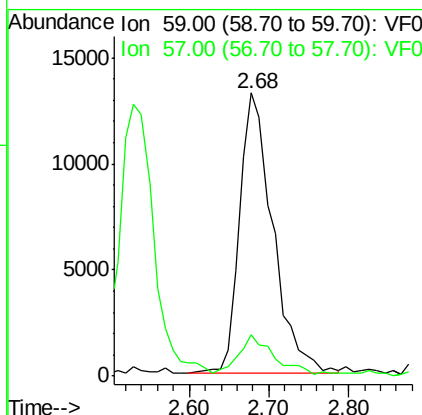
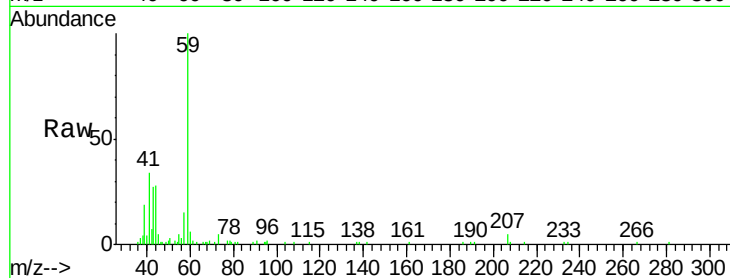
#11
Tert butyl alcohol
Concen: 319.188 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.5	8.7	13.1#

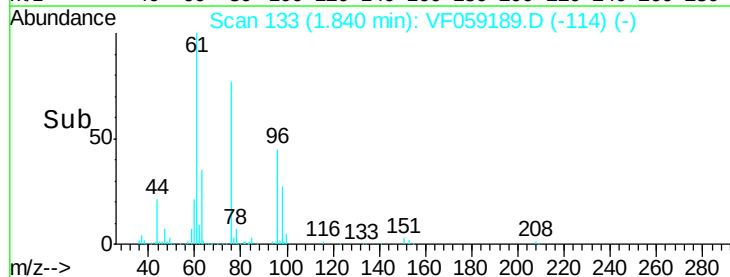
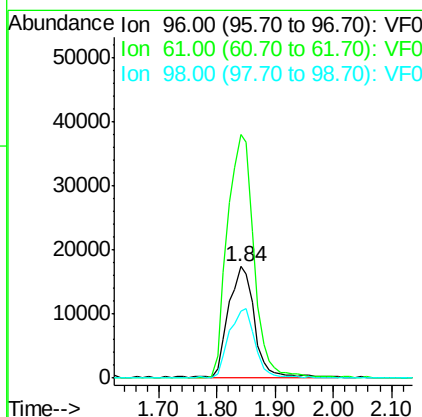
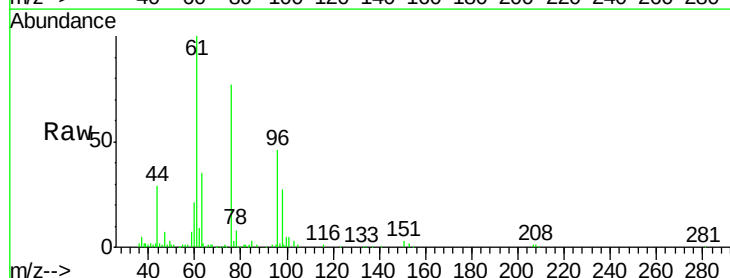
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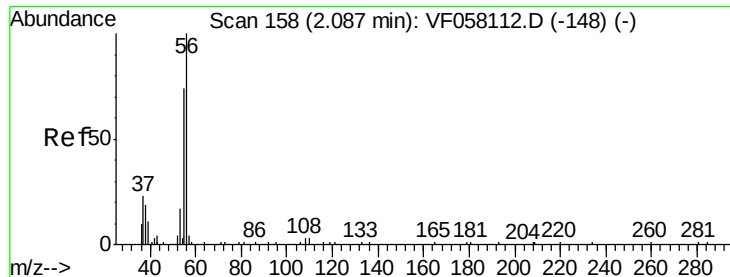
apatel
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#12
1,1-Dichloroethene
Concen: 54.336 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	218.5	203.0	304.4
98	60.0	52.7	79.1





#13

Acrolein

Concen: 281.496 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 29138

Ion Ratio Lower Upper

56 100

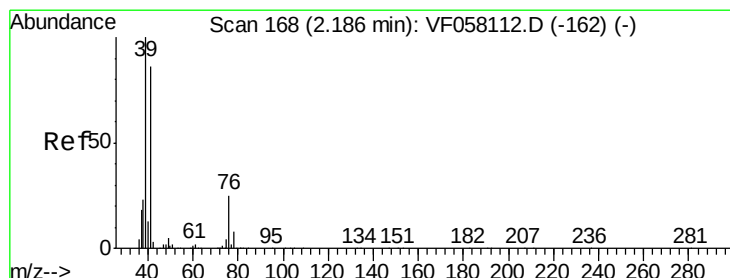
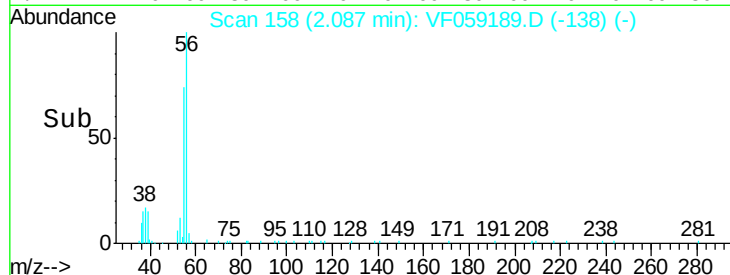
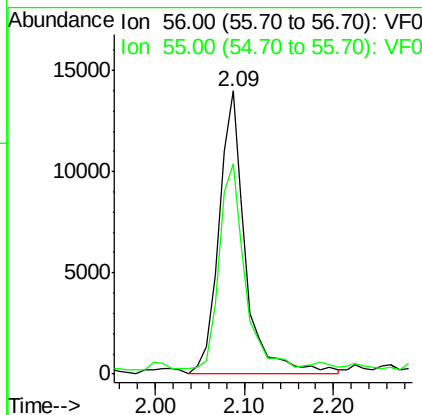
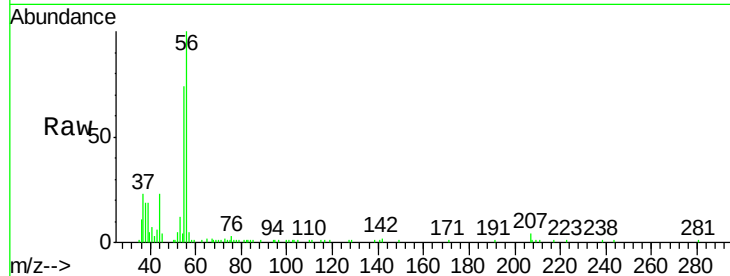
55 74.5 60.0 90.0

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#14

Allyl chloride

Concen: 54.958 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

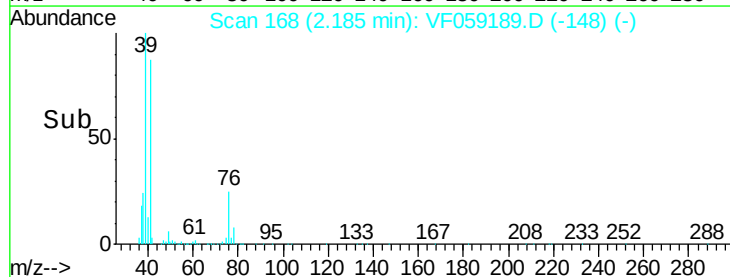
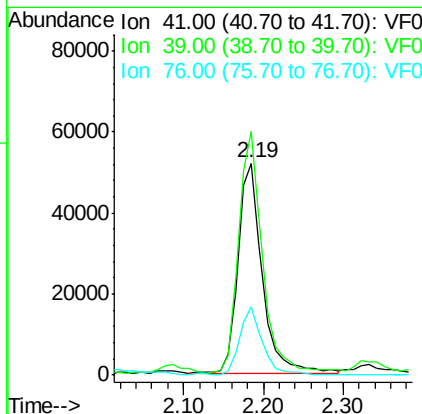
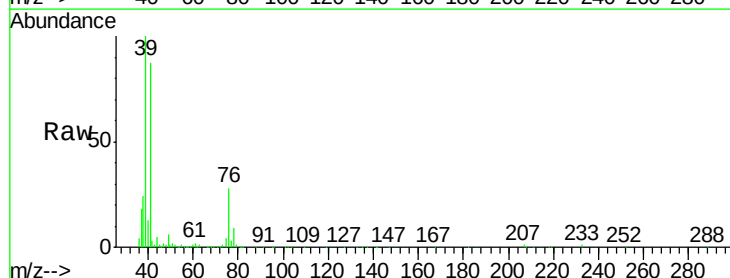
Tgt Ion: 41 Resp: 109383

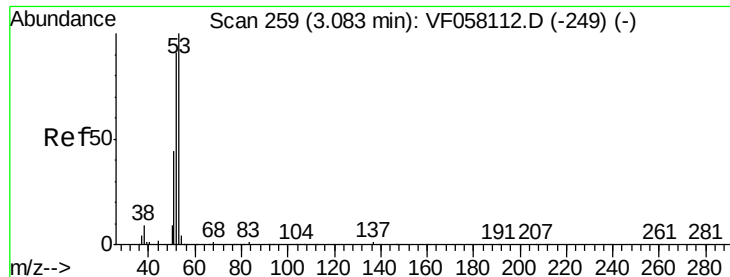
Ion Ratio Lower Upper

41 100

39 115.1 93.5 140.3

76 32.5 23.9 35.9





#15

Acrylonitrile

Concen: 322.465 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

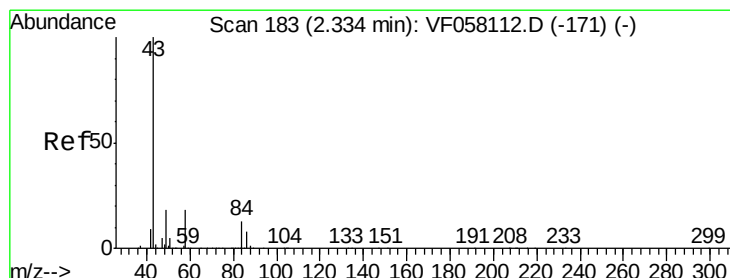
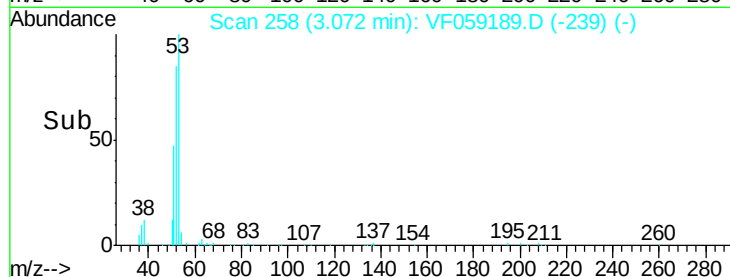
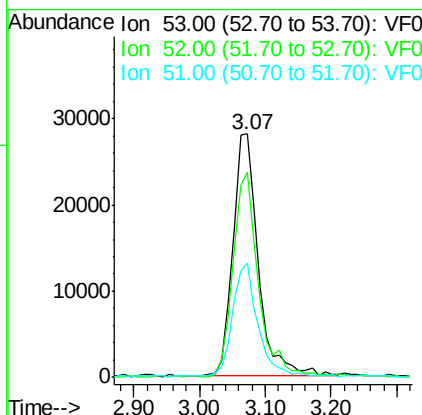
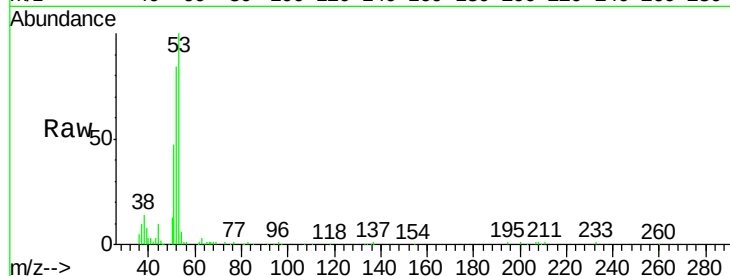
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	76591
Ion	Ratio	Lower	Upper
53	100		
52	84.5	73.2	109.8
51	46.9	35.6	53.4

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#16

Acetone

Concen: 317.564 ug/l

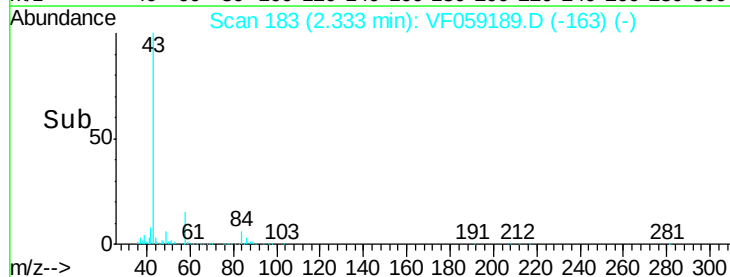
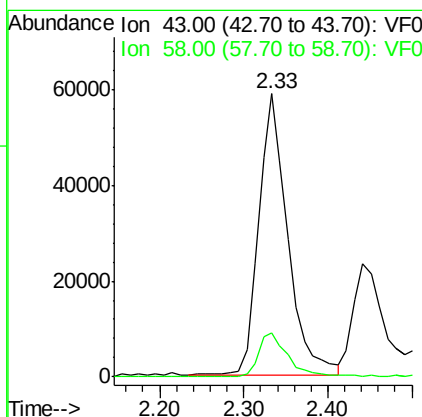
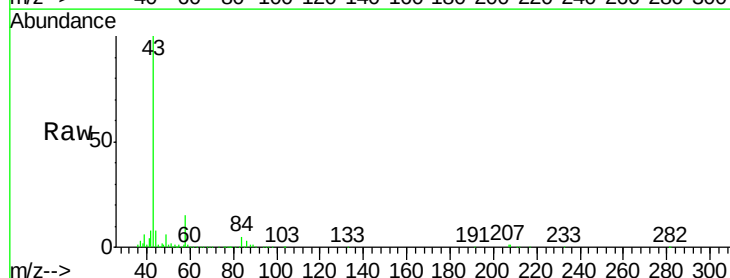
RT: 2.33 min Scan# 183

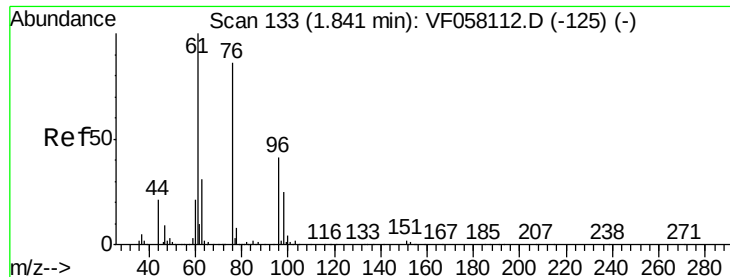
Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion:	43	Resp:	141519
Ion	Ratio	Lower	Upper
43	100		
58	15.5	14.4	21.6





#17

Carbon Disulfide

Concen: 50.139 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 142753

Ion Ratio Lower Upper

76 100

78 9.8

7.8

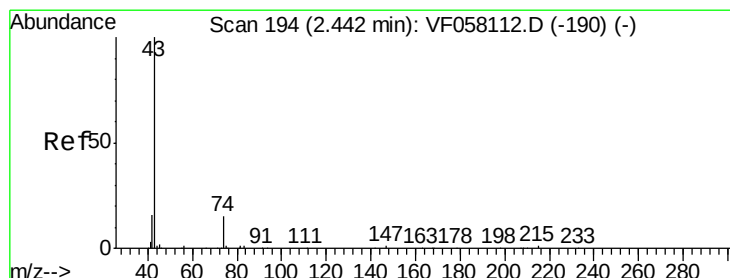
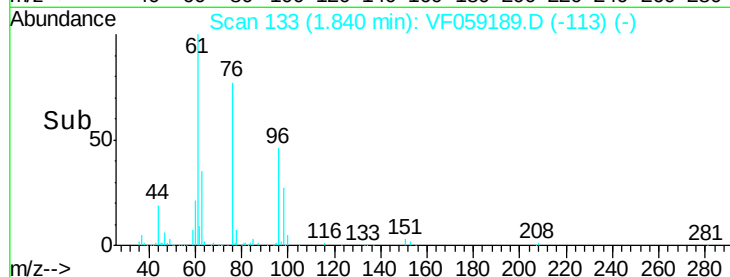
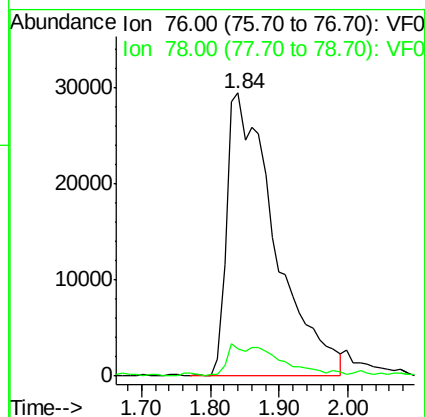
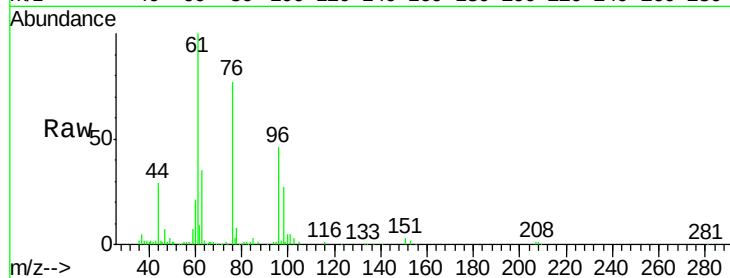
11.8

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#18

Methyl Acetate

Concen: 77.302 ug/l m

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion: 43 Resp: 59220

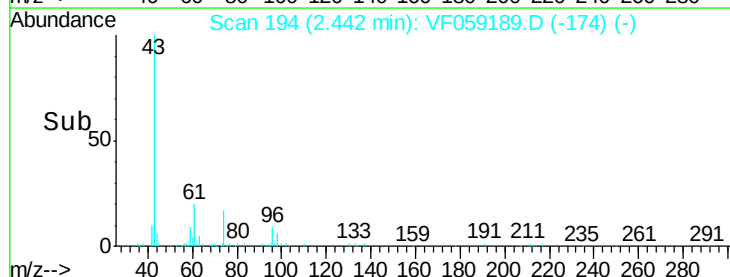
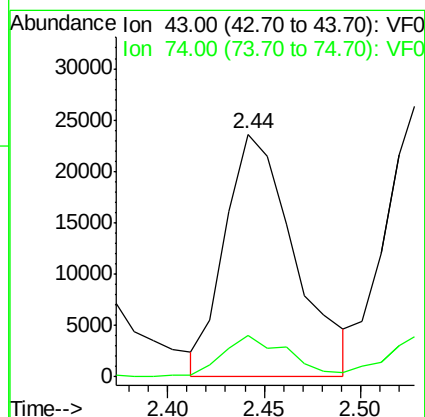
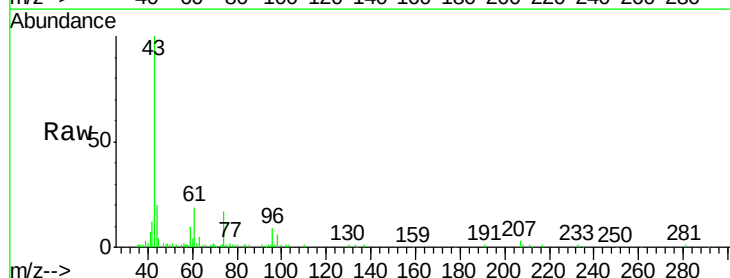
Ion Ratio Lower Upper

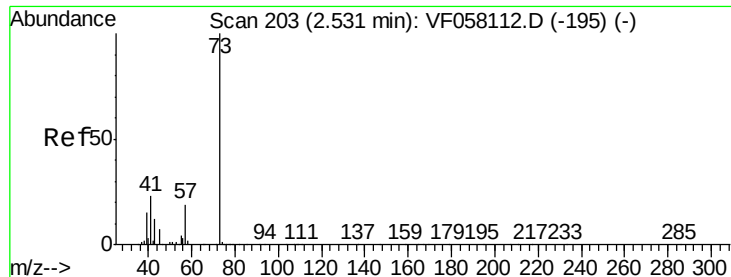
43 100

74 16.9

10.9

16.3#





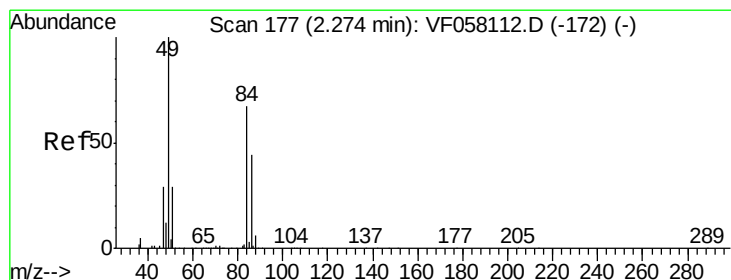
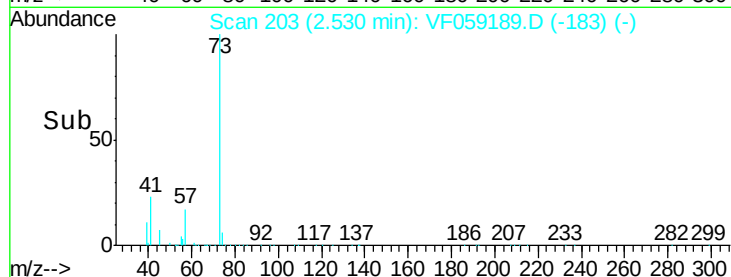
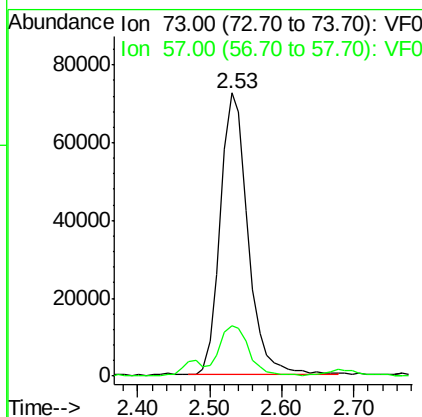
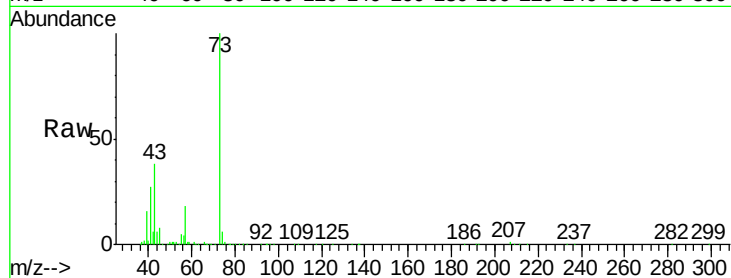
#19
Methyl tert-butyl Ether
Concen: 60.997 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.6	15.0	22.4

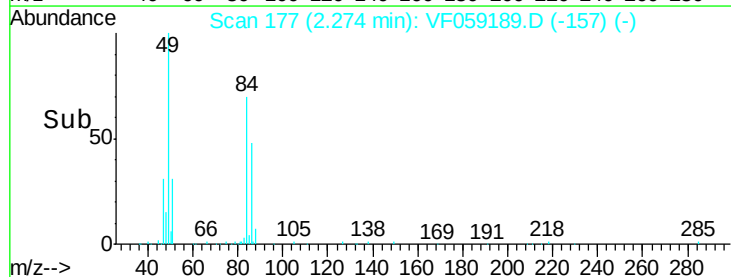
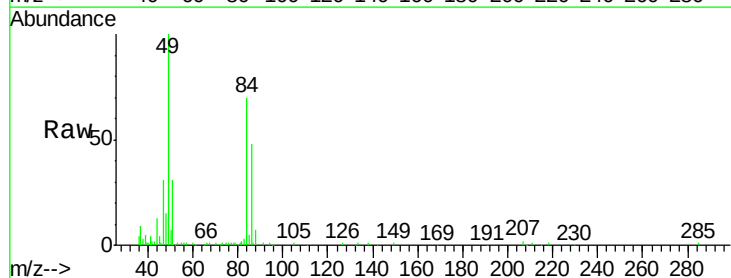
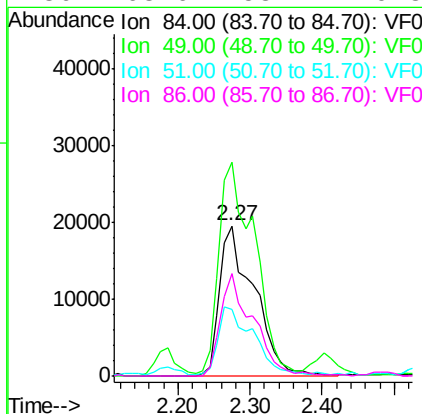
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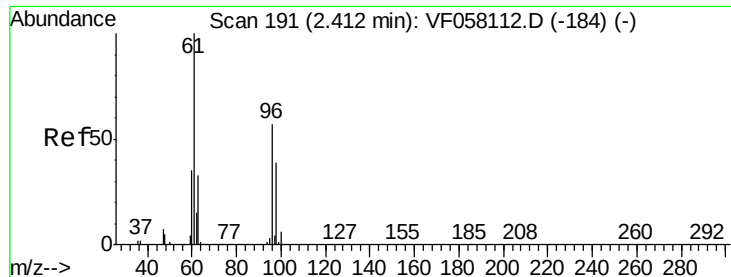
apatel
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#20
Methylene Chloride
Concen: 60.645 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.6	121.0	181.4
51	44.7	35.8	53.6
86	68.6	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 52.472 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

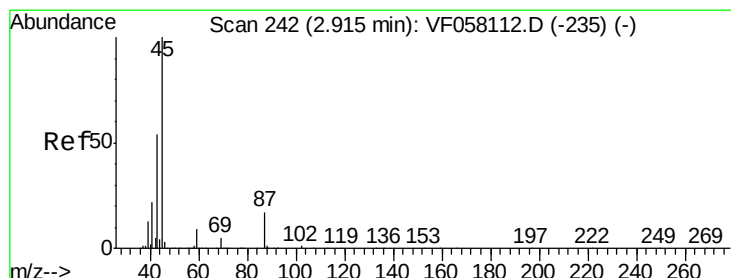
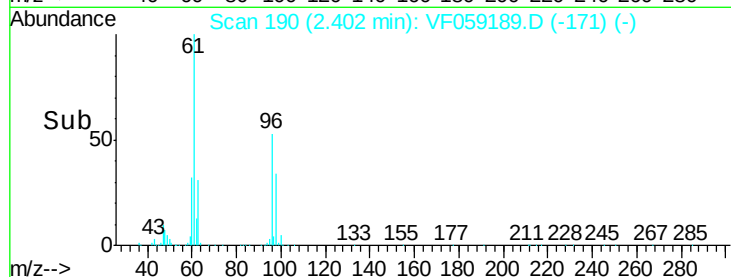
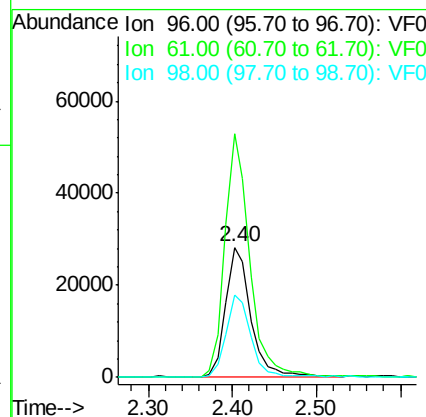
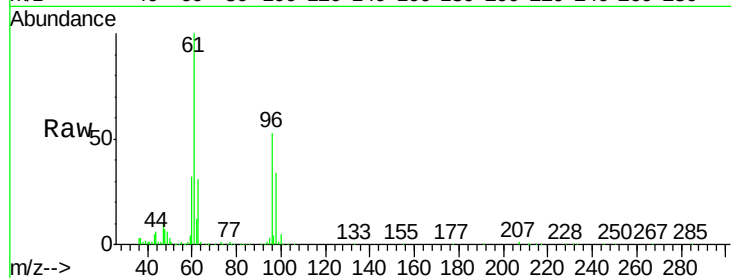
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	58355
Ion	Ratio	Lower	Upper
96	100		
61	187.5	139.4	209.2
98	63.7	54.0	81.0

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#22

Diisopropyl ether

Concen: 59.088 ug/l

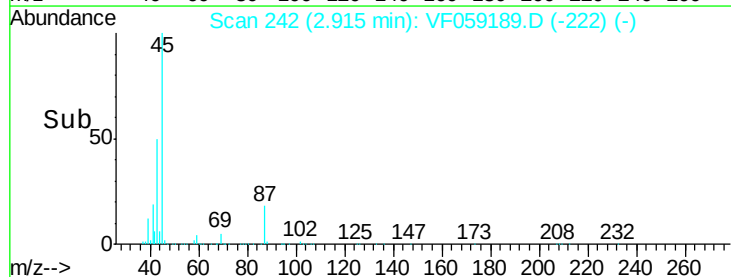
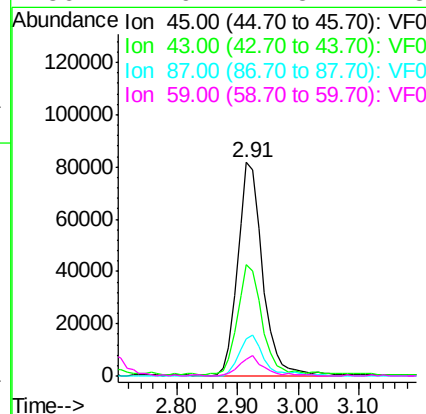
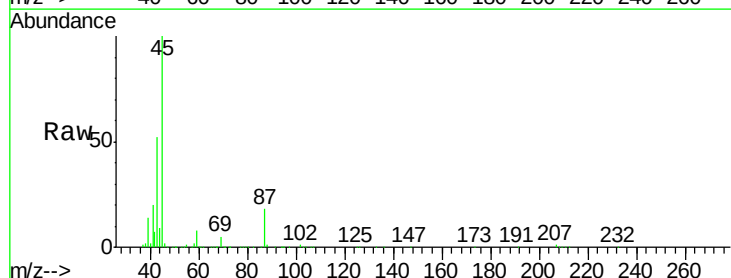
RT: 2.91 min Scan# 242

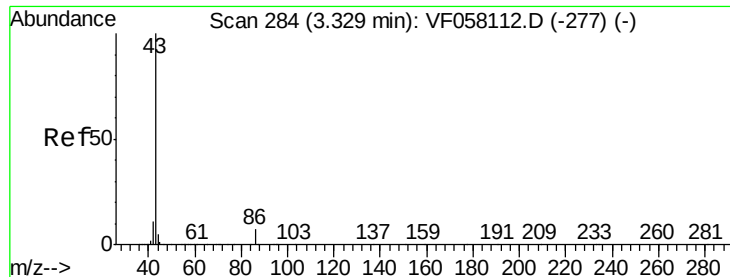
Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion:	45	Resp:	231183
Ion	Ratio	Lower	Upper
45	100		
43	52.0	43.2	64.8
87	17.7	13.8	20.6
59	7.9	7.5	11.3





#23

Vinyl Acetate

Concen: 297.780 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 768173

Ion Ratio Lower Upper

43 100

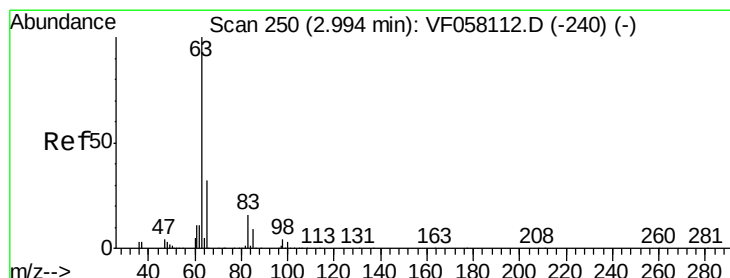
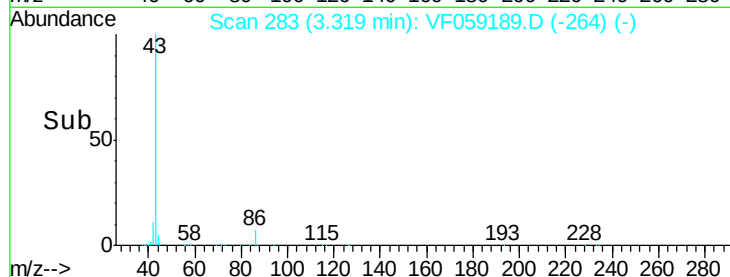
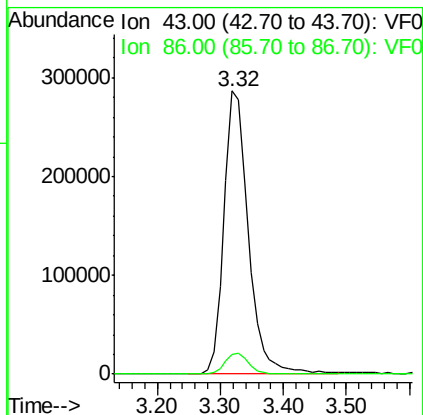
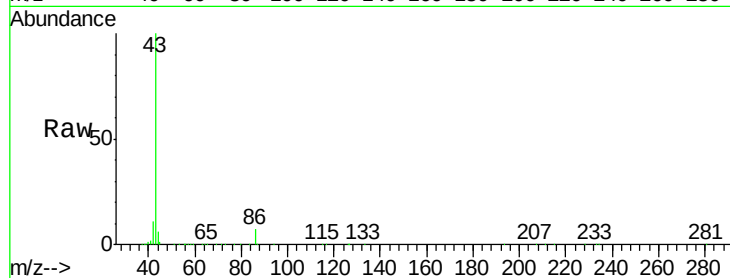
86 7.1 6.0 9.0

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#24

1,1-Dichloroethane

Concen: 56.780 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

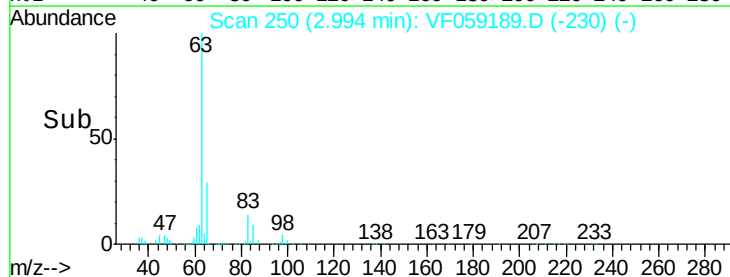
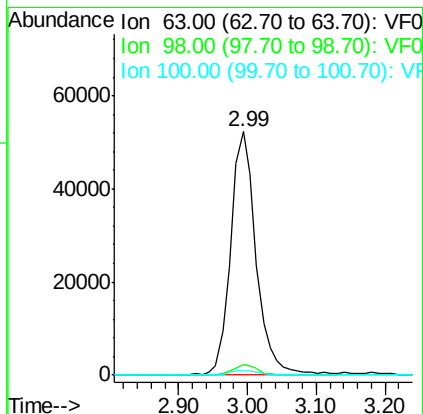
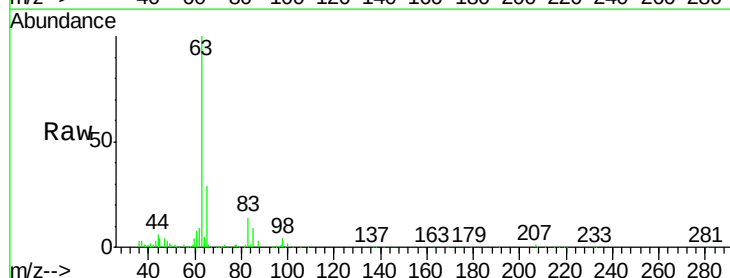
Tgt Ion: 63 Resp: 134680

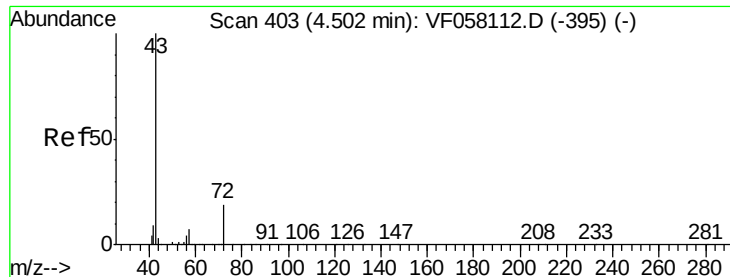
Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

100 1.6 1.4 4.0





#25

2-Butanone

Concen: 278.241 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 192235

Ion Ratio Lower Upper

43 100

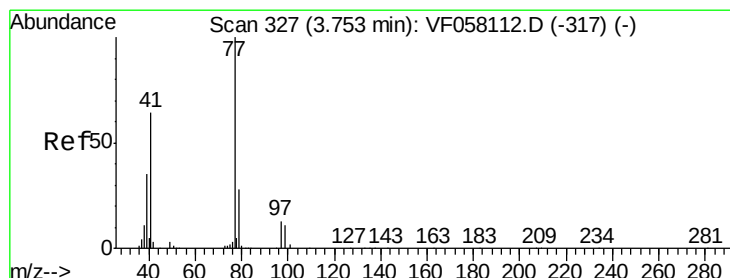
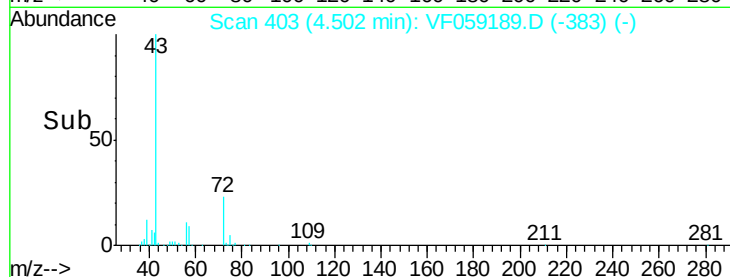
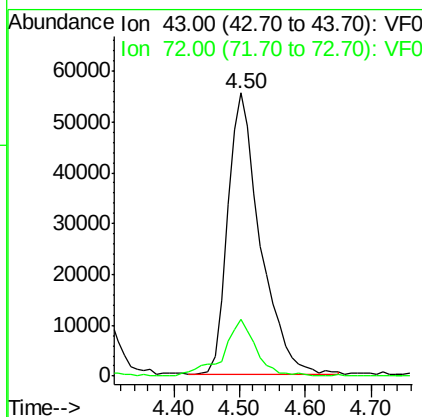
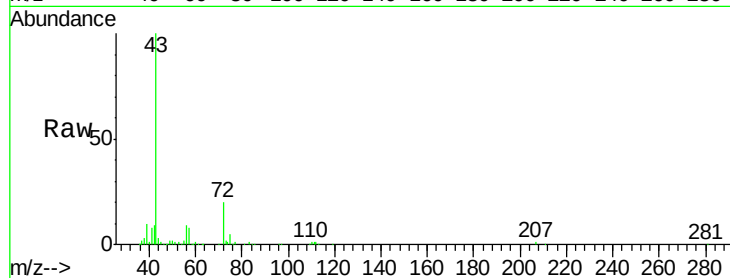
72 19.9 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 60.984 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059189.D

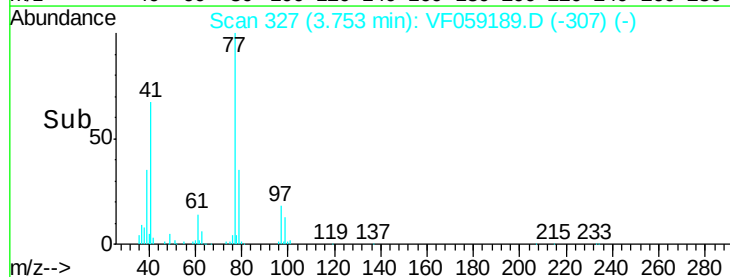
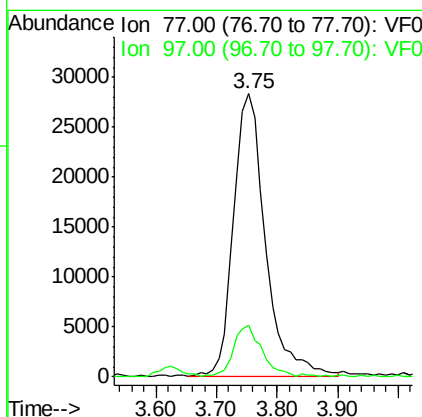
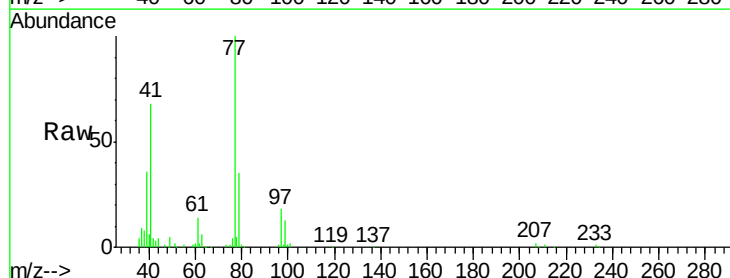
Acq: 18 Jun 2018 21:30

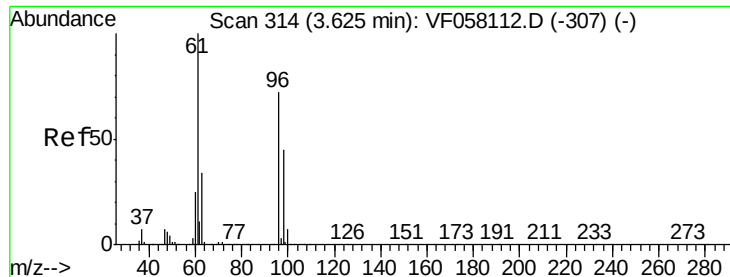
Tgt Ion: 77 Resp: 104942

Ion Ratio Lower Upper

77 100

97 18.1 7.2 21.6





#27

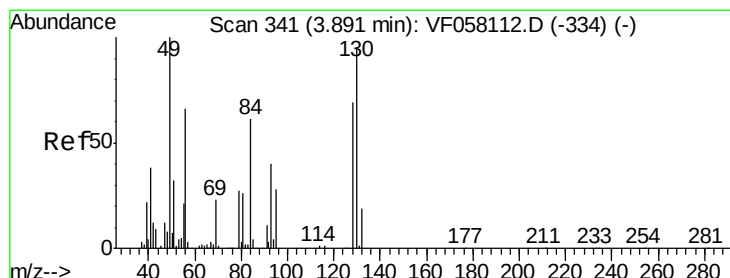
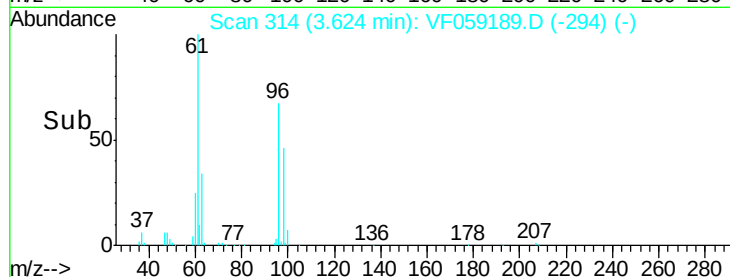
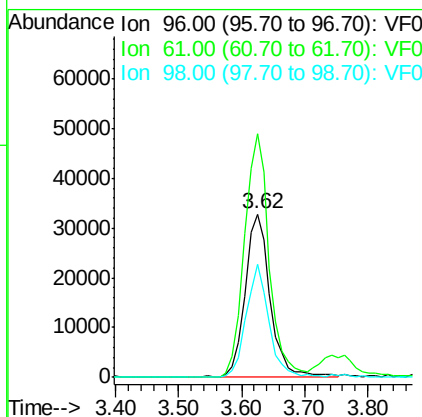
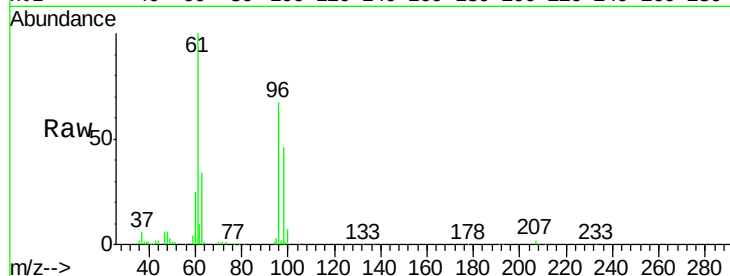
cis-1,2-Dichloroethene
Concen: 53.035 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	90776		
61	148.9		0.0	278.6
98	68.8		0.0	125.2

Manual Integrations
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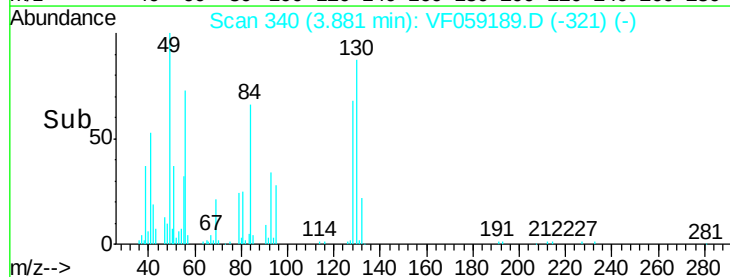
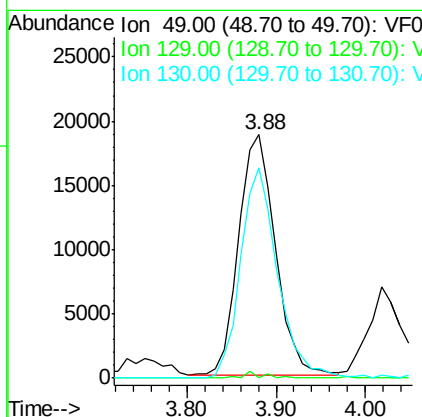
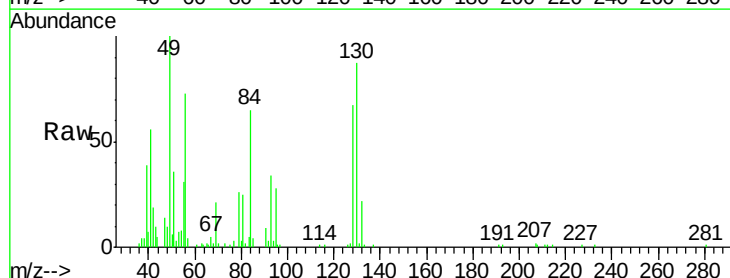
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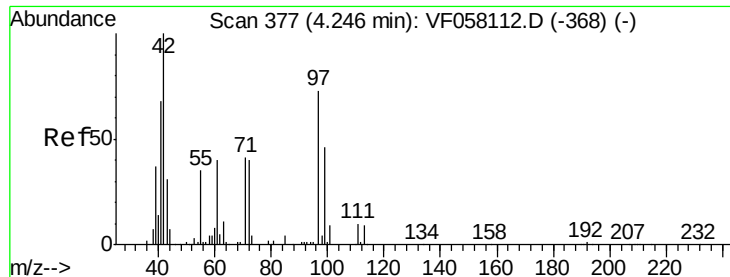


#28

Bromochloromethane
Concen: 50.084 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53471		
129	0.0		0.0	0.0
130	86.5		75.8	113.8





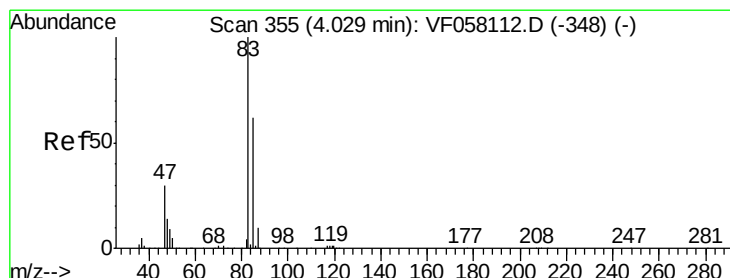
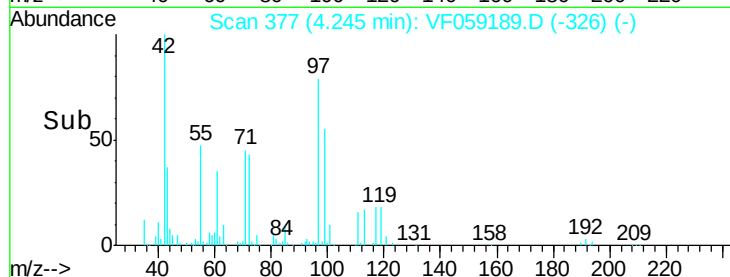
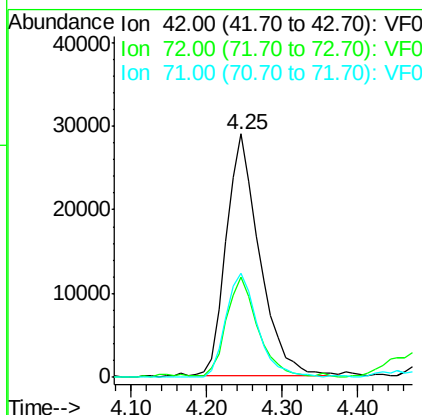
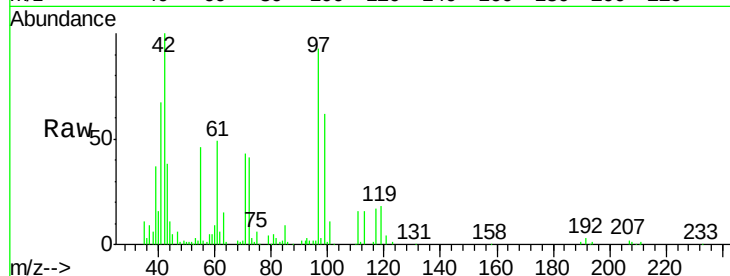
#29
Tetrahydrofuran
Concen: 286.979 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	30.5	45.7
71	41.5	31.5	47.3

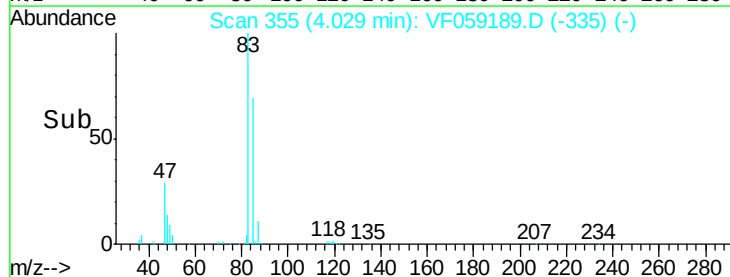
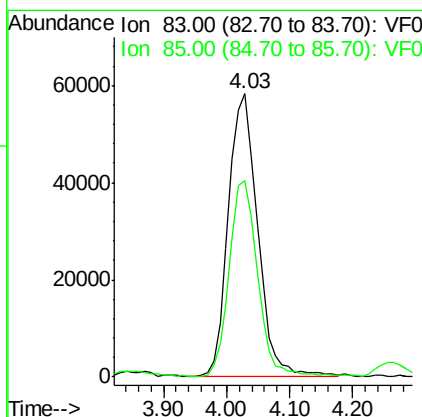
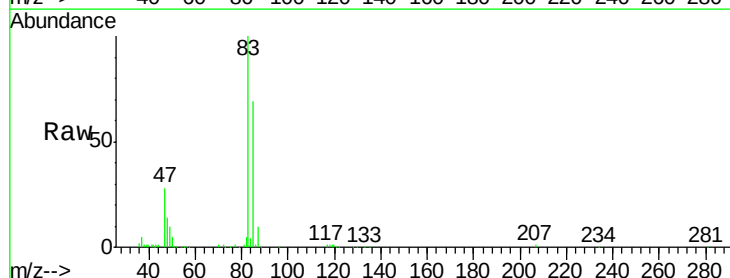
Manual Integrations
APPROVED

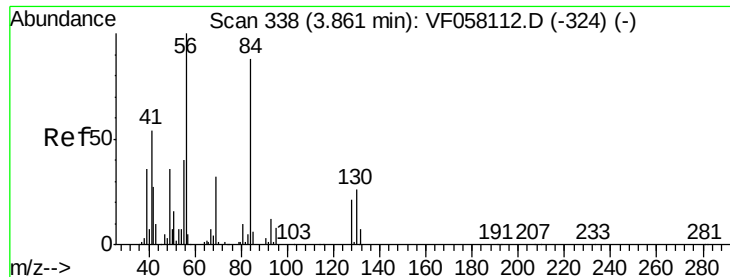
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#30
Chloroform
Concen: 55.401 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.4	49.5	74.3





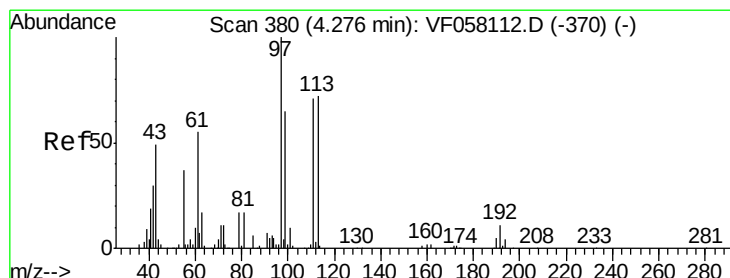
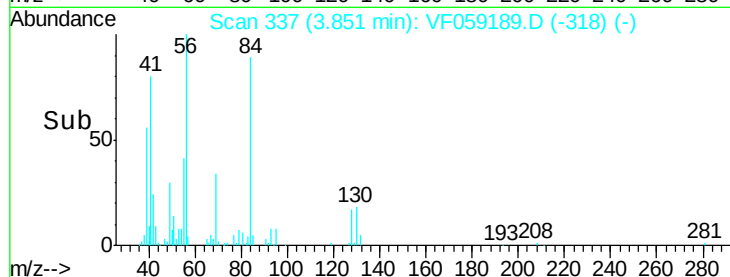
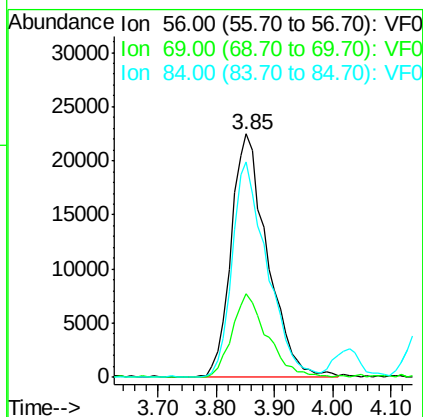
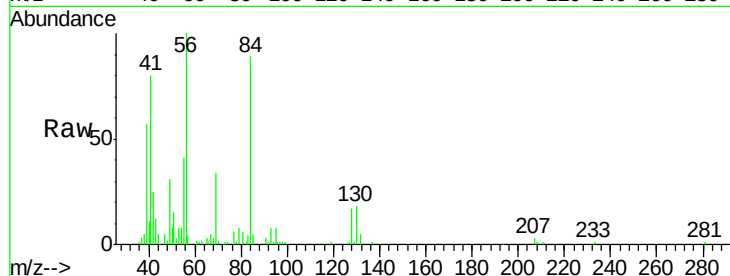
#31
Cyclohexane
Concen: 46.962 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	25.9	38.9
84	88.6	70.3	105.5

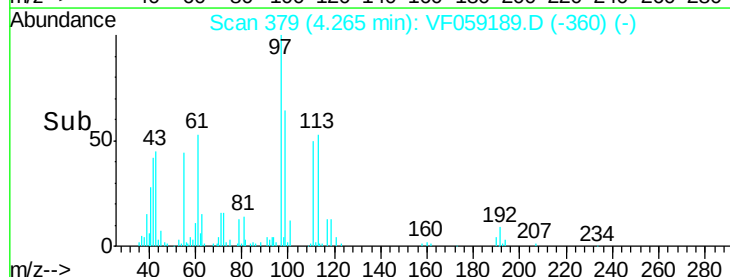
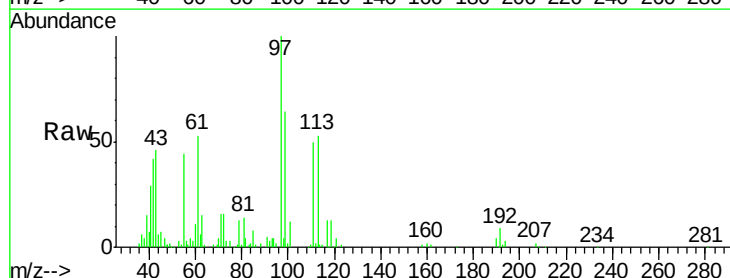
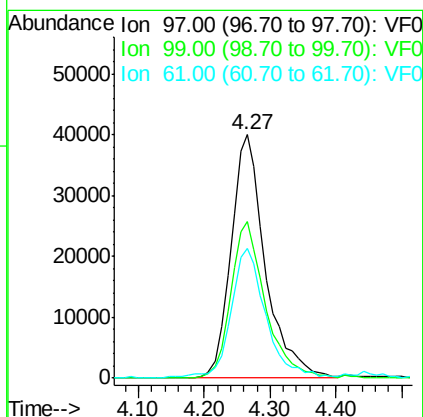
Manual Integrations
APPROVED

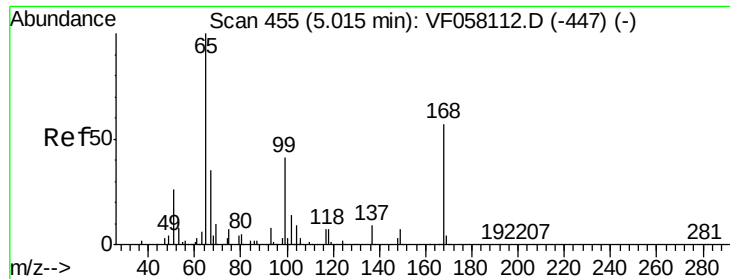
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#32
1,1,1-Trichloroethane
Concen: 57.603 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.0	78.0
61	53.4	44.3	66.5





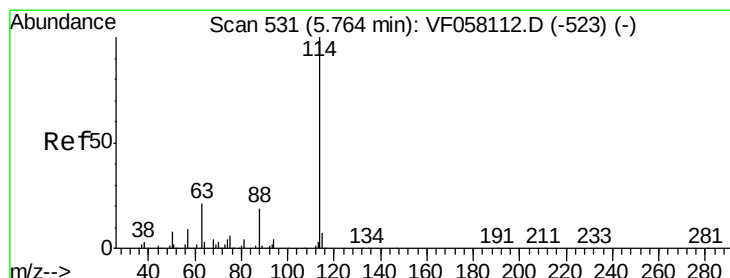
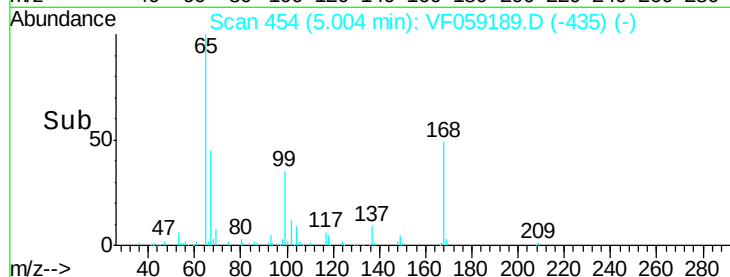
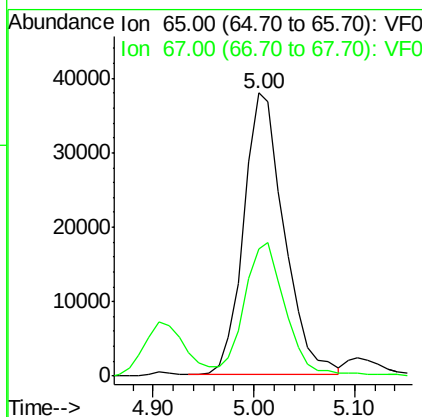
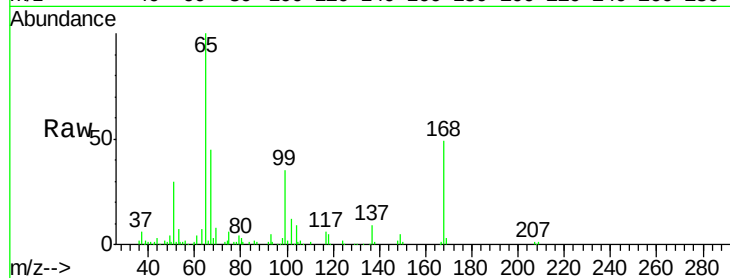
#33
 1,2-Dichloroethane-d4
 Concen: 56.526 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105504		
67	44.8	0.0	97.0	

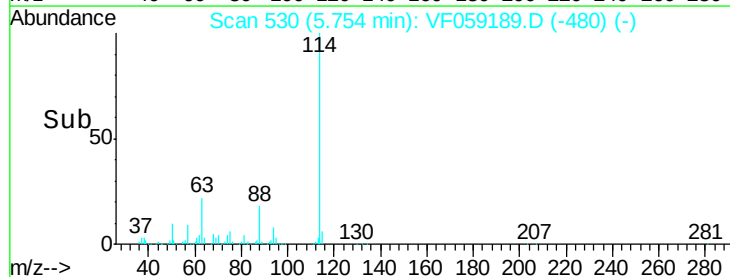
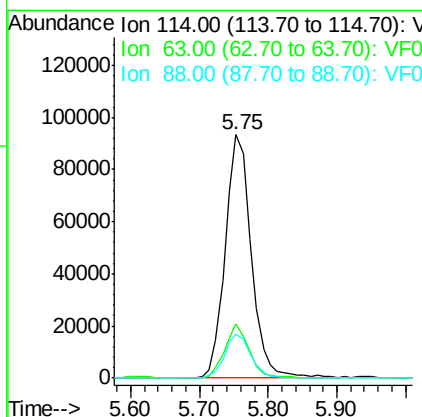
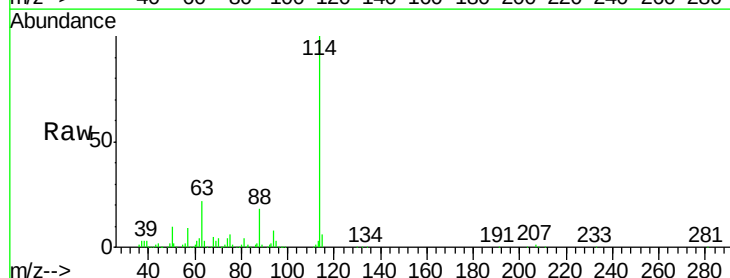
Manual Integrations
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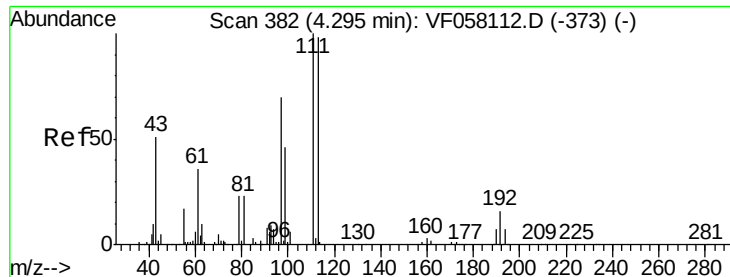
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	244561		
63	22.2	0.0	41.6	
88	18.2	0.0	38.8	





#35

Dibromofluoromethane

Concen: 56.346 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

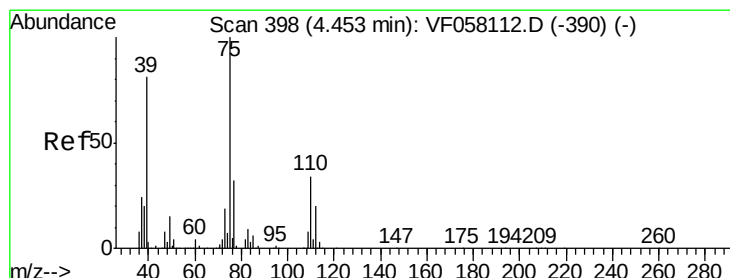
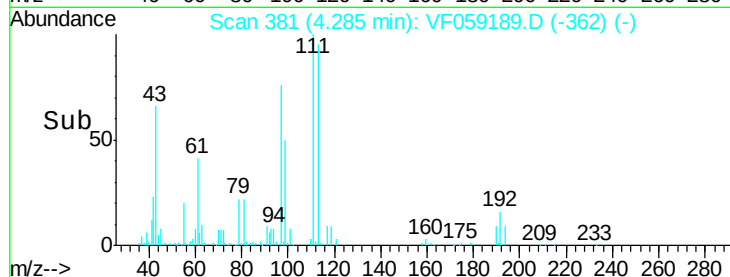
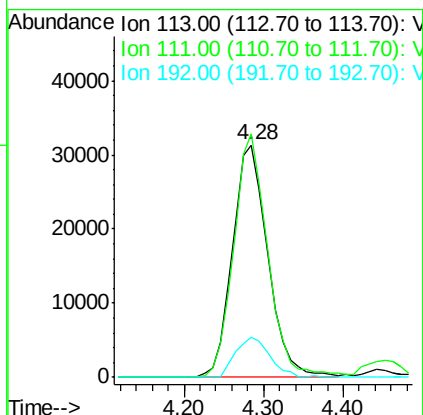
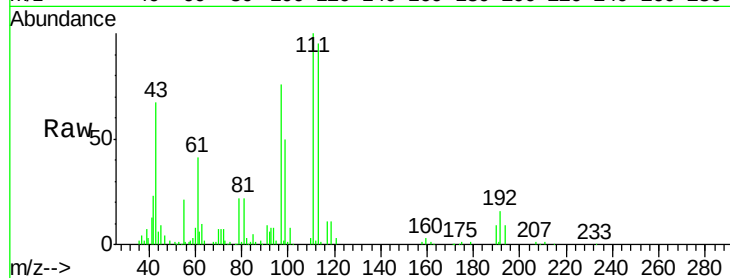
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	96690
Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.3	121.9
192	17.3	12.7	19.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.872 ug/l

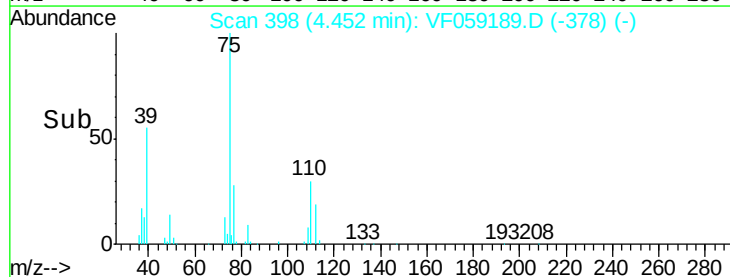
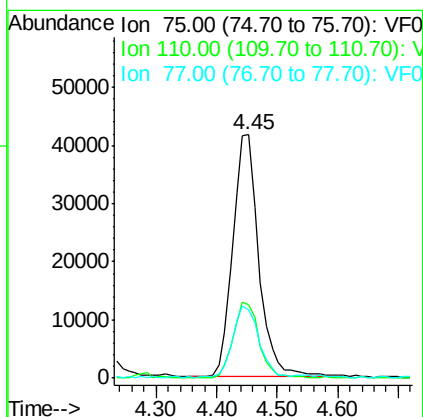
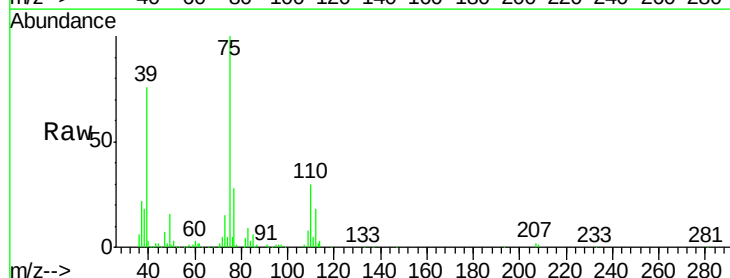
RT: 4.45 min Scan# 398

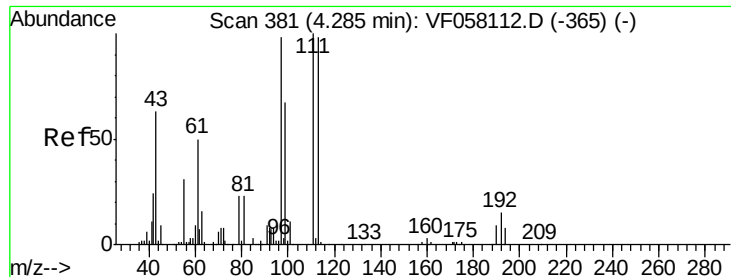
Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion:	75	Resp:	125333
Ion	Ratio	Lower	Upper
75	100		
110	30.0	17.0	50.9
77	28.1	25.3	37.9





#37

Ethyl Acetate

Concen: 63.233 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

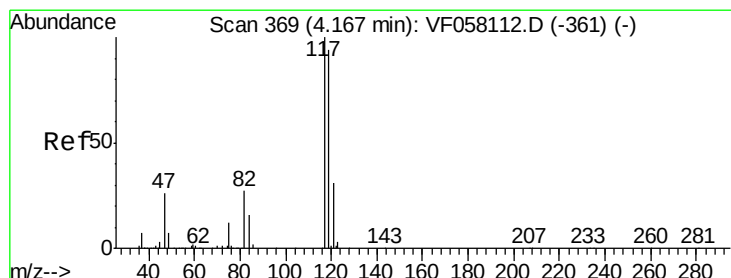
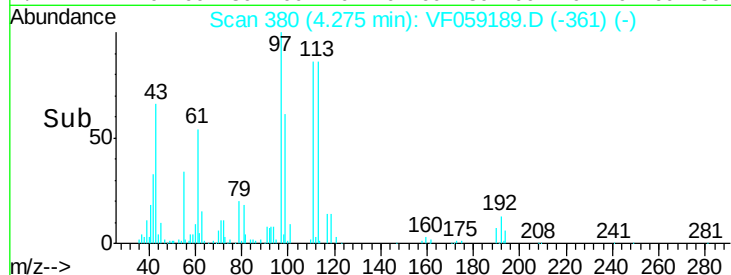
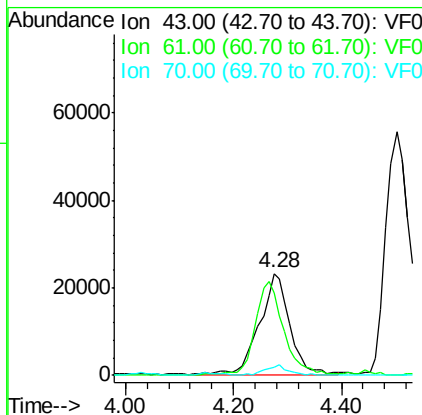
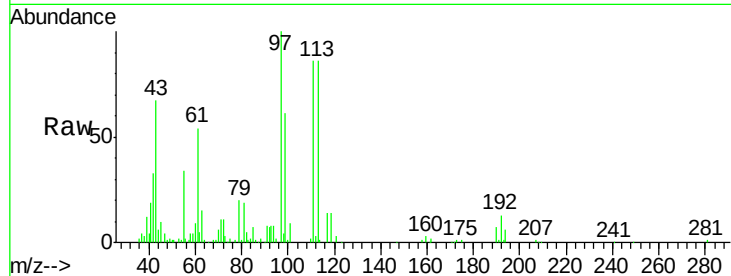
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	92617
Ion Ratio	Lower	Upper	
43	100		
61	80.8	63.0	94.4
70	8.4	7.5	11.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 56.471 ug/l

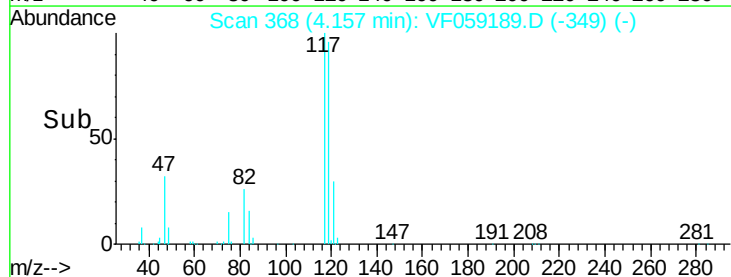
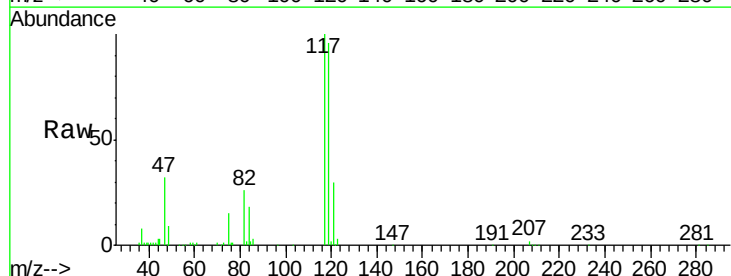
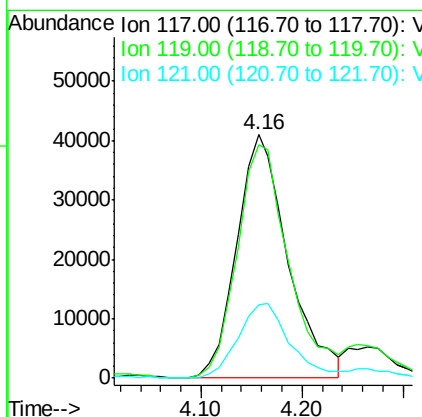
RT: 4.16 min Scan# 368

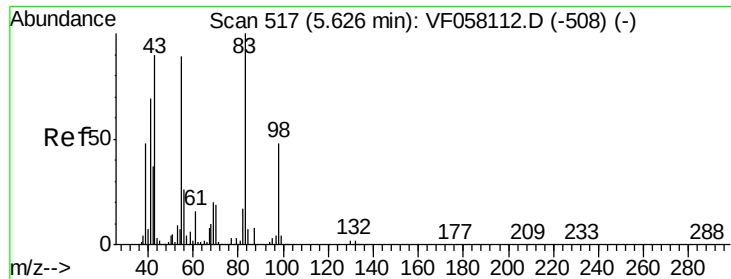
Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion:	117	Resp:	145080
Ion Ratio	Lower	Upper	
117	100		
119	96.0	75.7	113.5
121	29.9	24.8	37.2





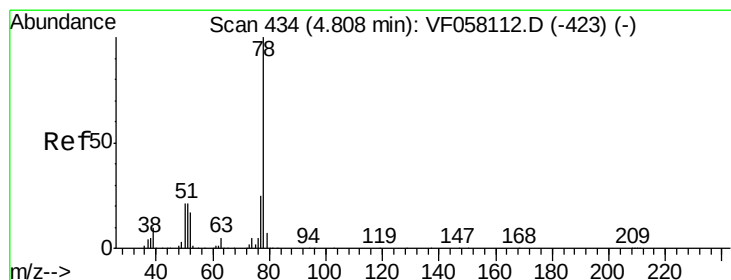
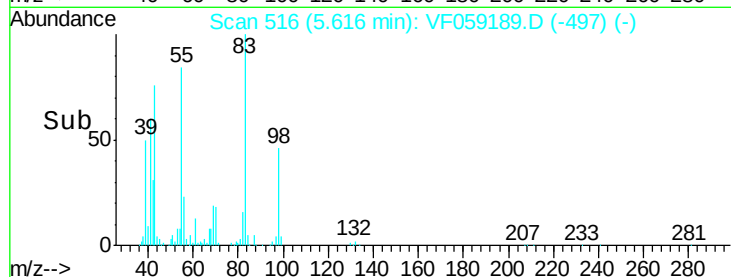
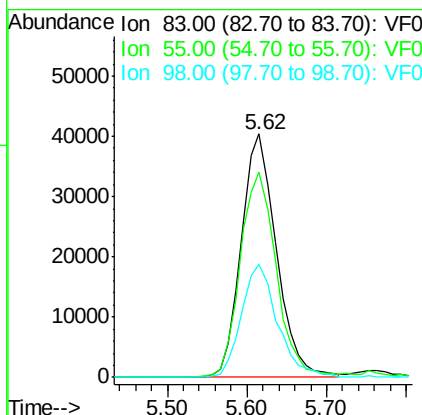
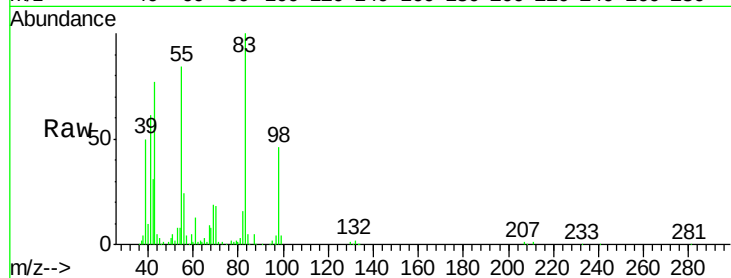
#39
Methylvlcyclohexane
Concen: 51.127 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	71.0	106.4
98	46.5	38.1	57.1

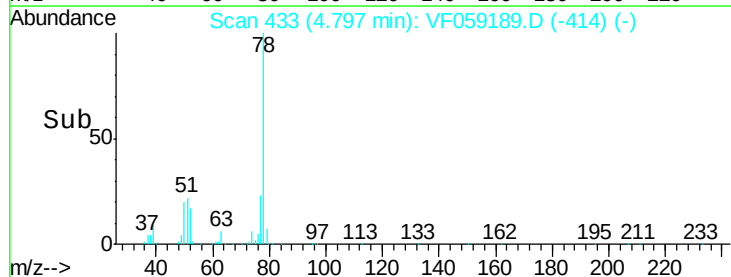
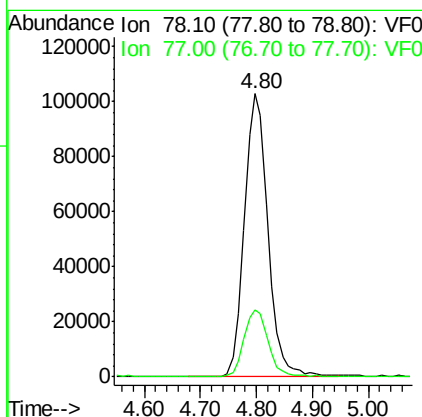
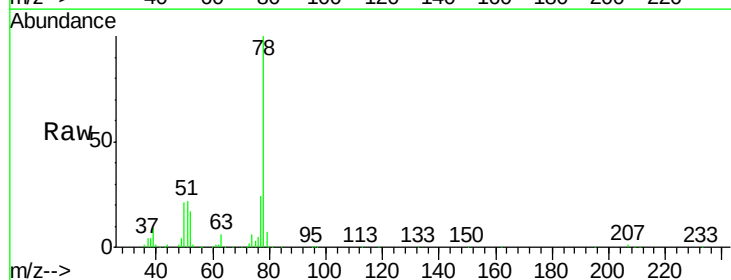
Manual Integrations
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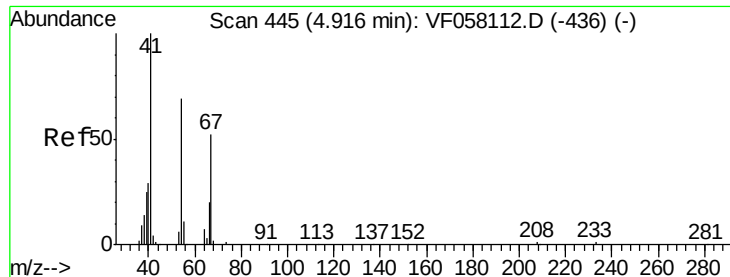
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#40
Benzene
Concen: 54.379 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	20.2	30.2





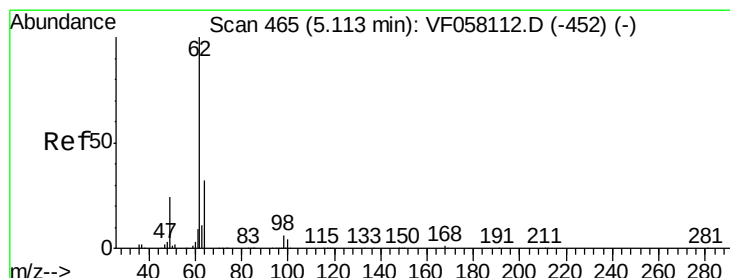
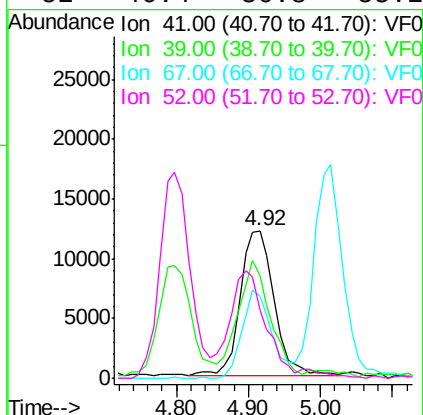
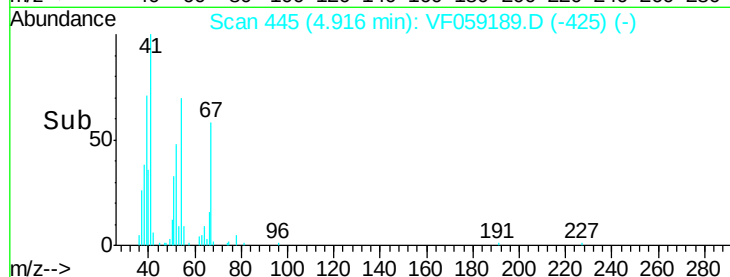
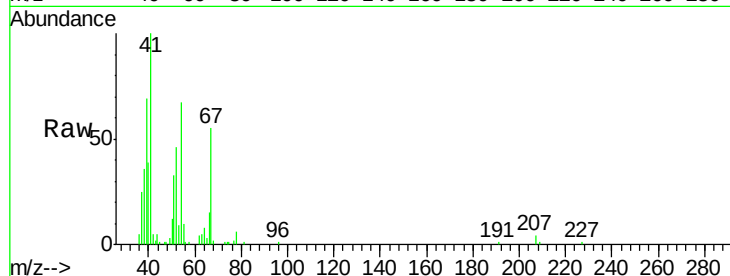
#41
Methacrylonitrile
Concen: 54.971 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.5	53.0	79.4
67	55.5	41.0	61.6
52	46.4	36.8	55.2

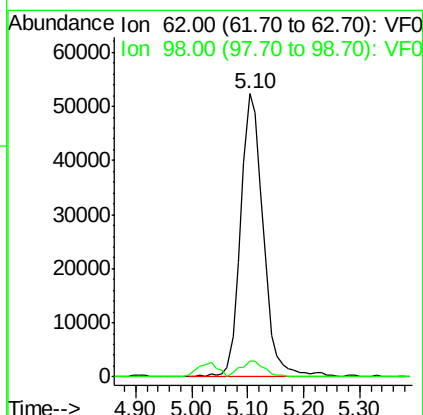
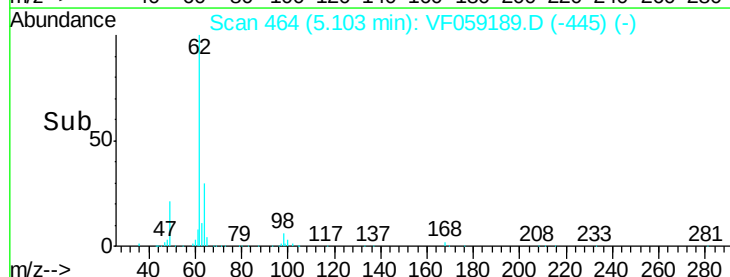
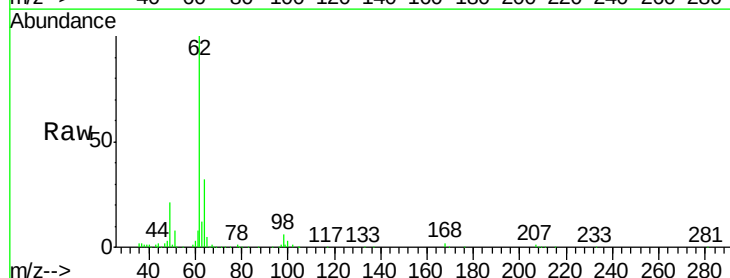
Manual Integrations
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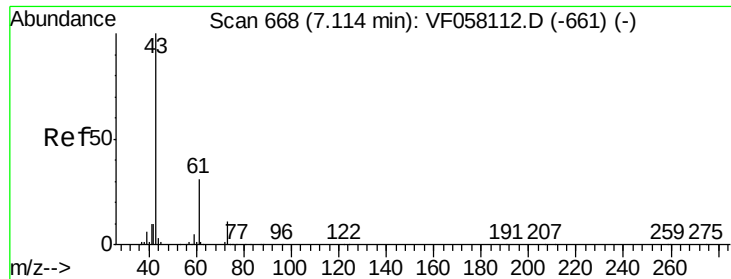
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#42
1,2-Dichloroethane
Concen: 59.637 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	11.8





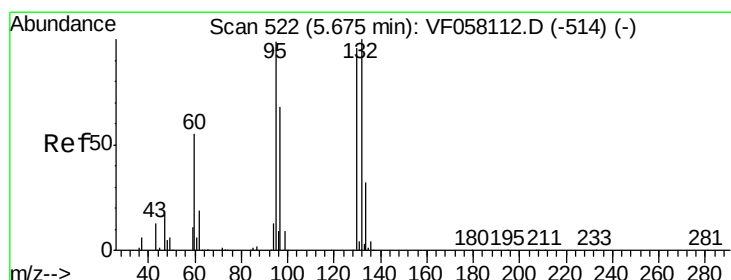
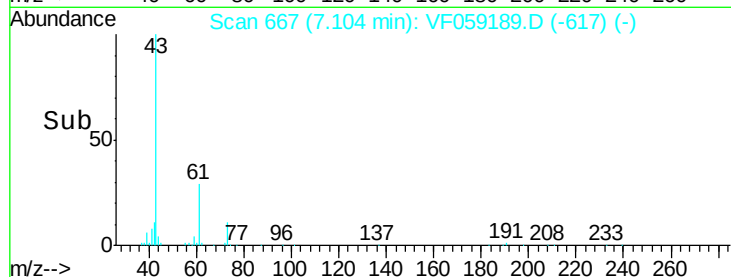
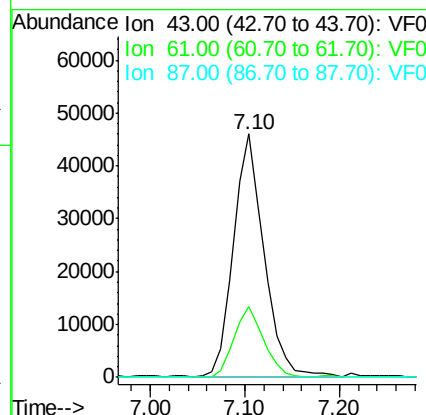
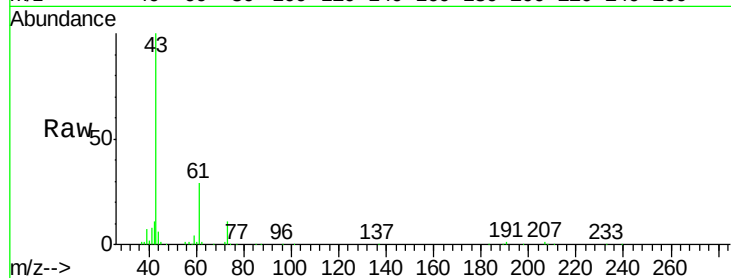
#43
Isopropyl Acetate
Concen: 52.837 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	25.1	37.7
87	0.4	0.2	0.4#

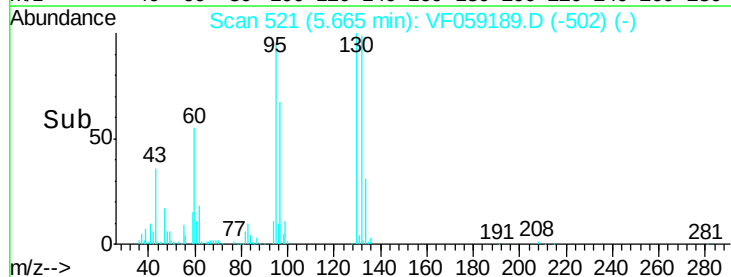
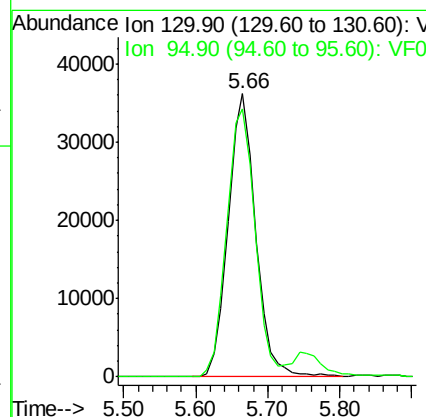
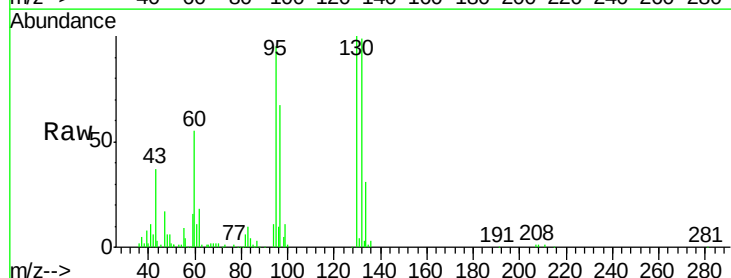
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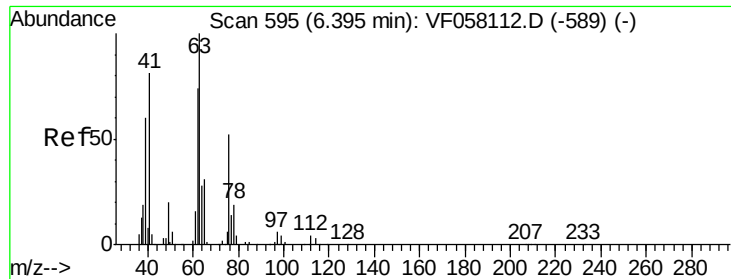
apatel
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#44
Trichloroethene
Concen: 55.793 ug/l
RT: 5.66 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	206.8





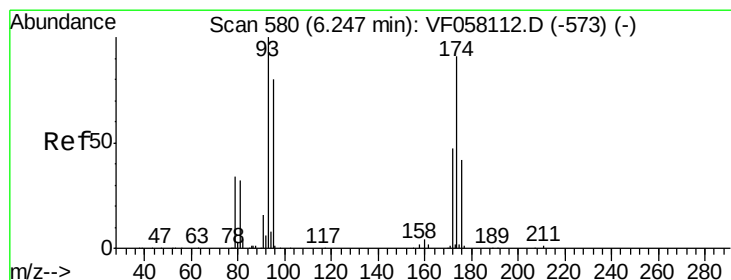
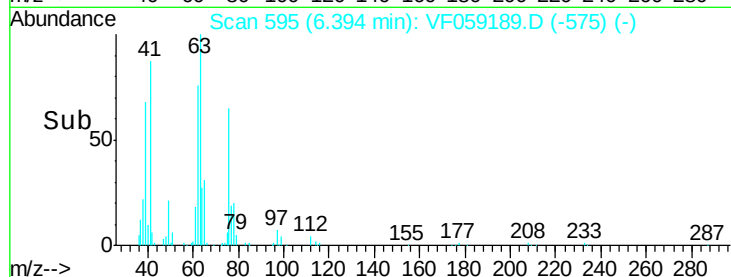
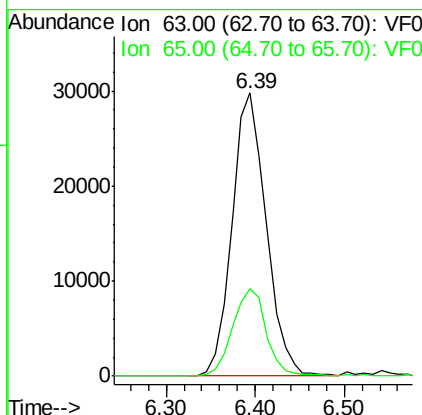
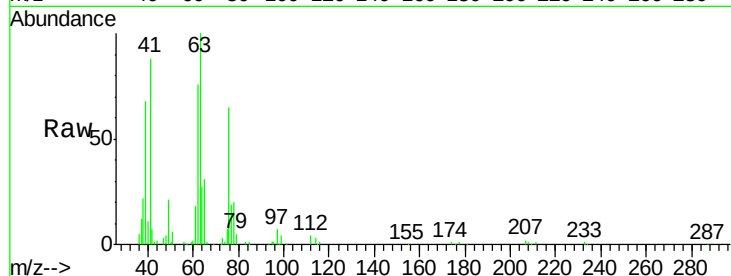
#45
 1,2-Dichloropropane
 Concen: 50.093 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	37.0

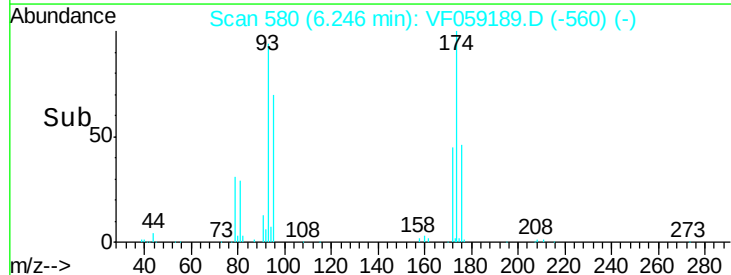
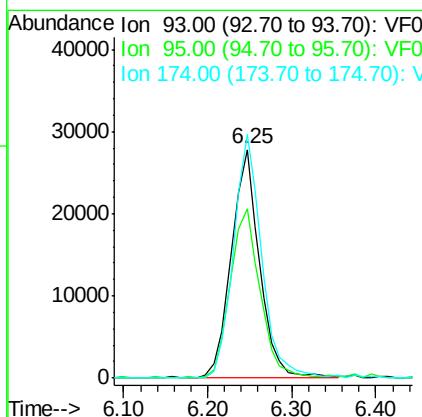
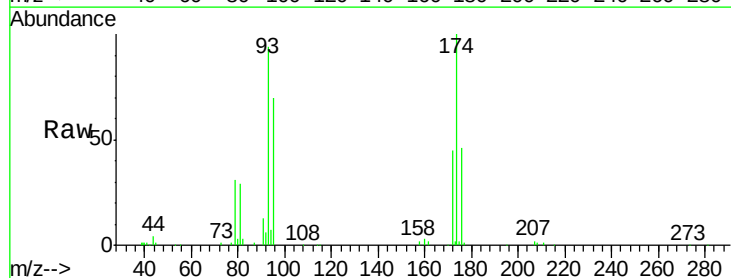
Manual Integrations
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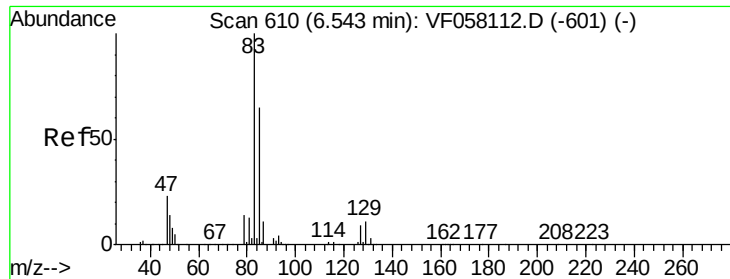
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#46
 Dibromomethane
 Concen: 54.465 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	74.0	64.2	96.4
174	106.4	72.7	109.1





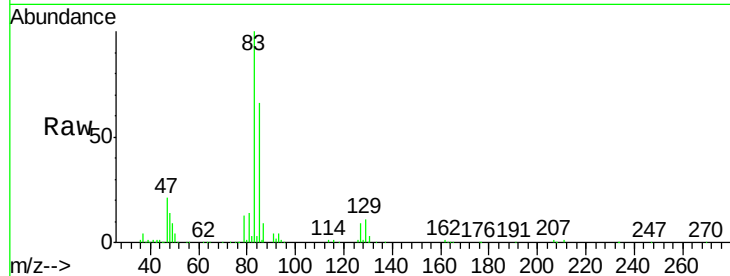
#47
Bromodichloromethane
Concen: 57.458 ug/l
RT: 6.53 min Scan# 609
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

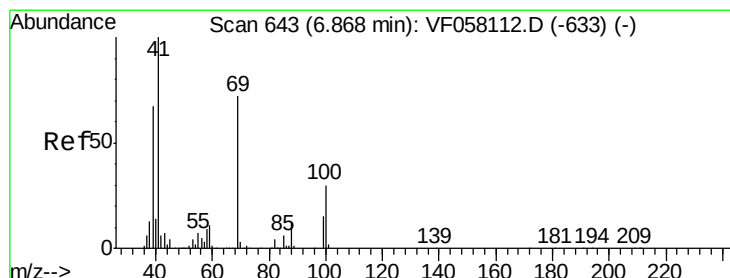
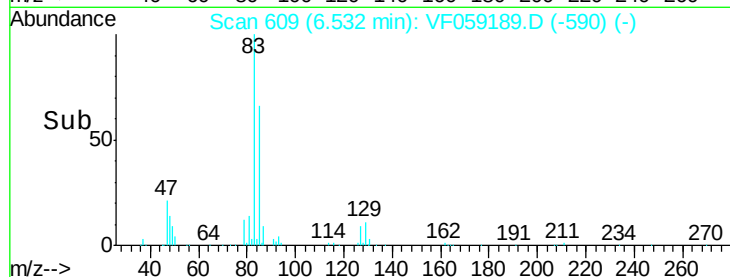
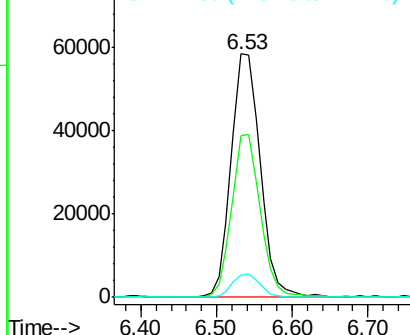
Tot Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.6	77.4
127	9.0	7.2	10.8

Manual Integrations
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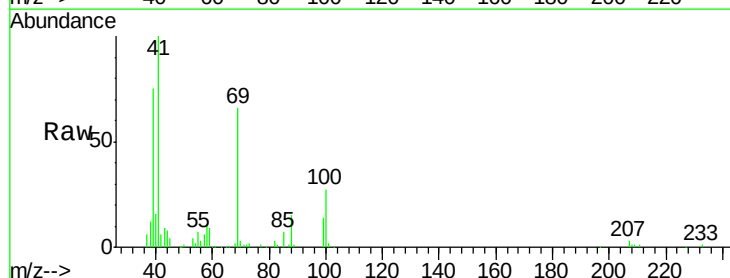


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V

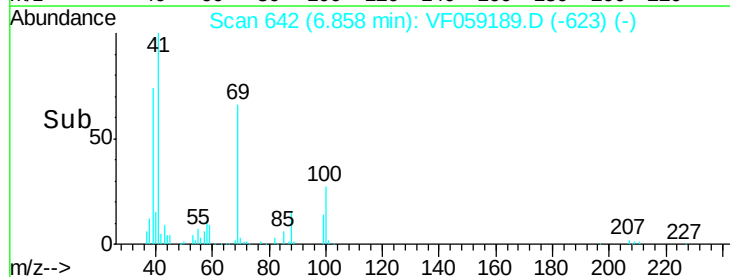
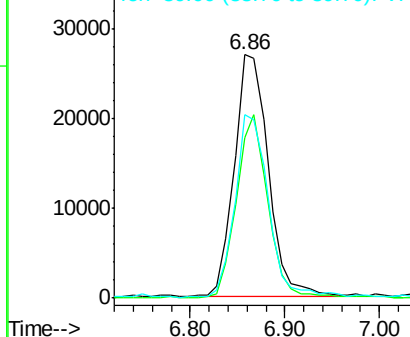


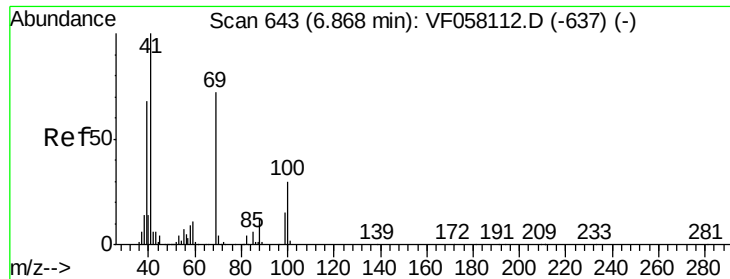
#48
Methyl methacrylate
Concen: 55.717 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	65.9	57.2	85.8
39	75.4	54.3	81.5



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





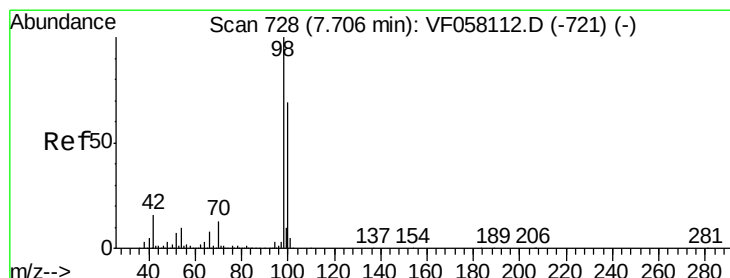
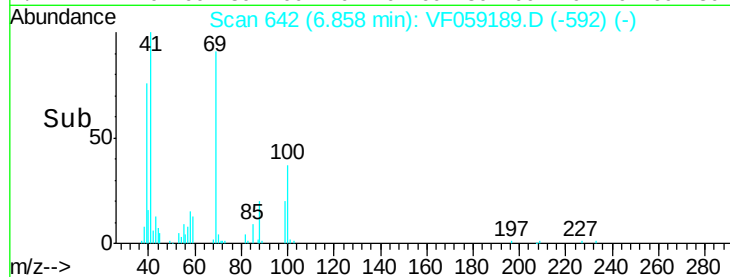
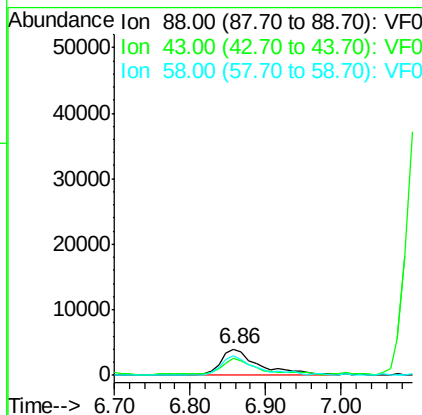
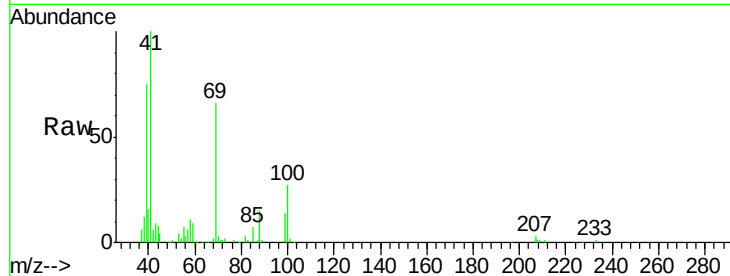
#49
1,4-Dioxane
Concen: 1776.955 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	64.2	47.8	71.8
58	74.8	59.4	89.0

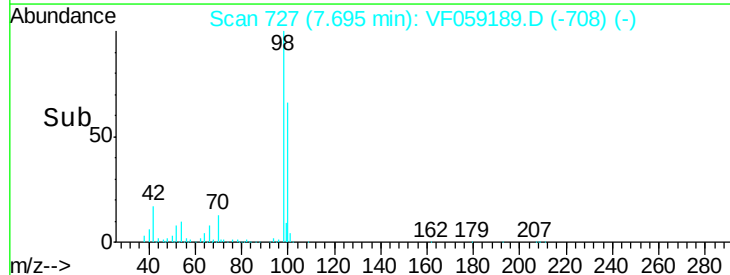
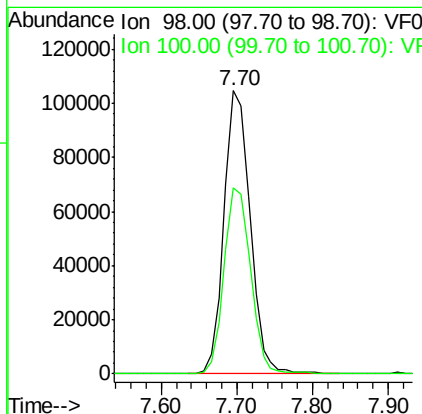
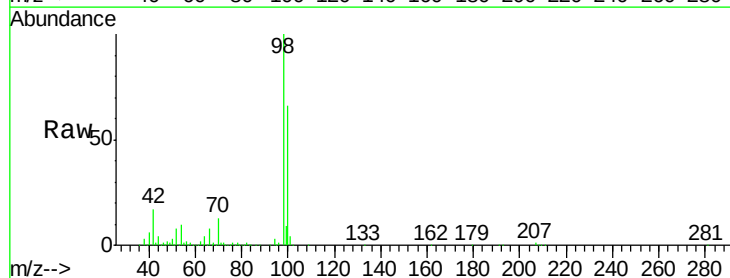
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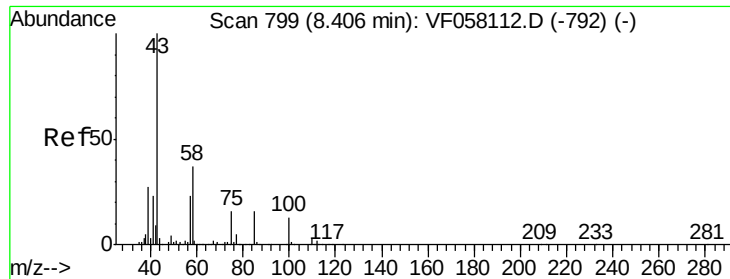
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#50
Toluene-d8
Concen: 49.980 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 283.235 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 380804

Ion Ratio Lower Upper

43 100

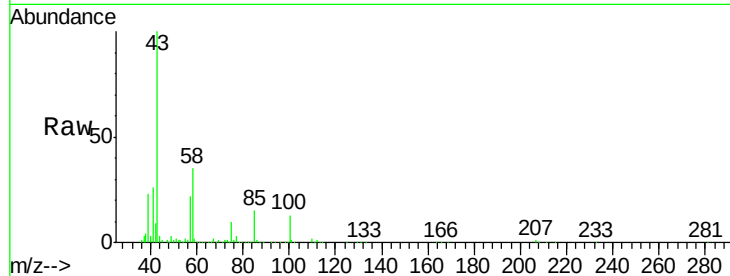
58 35.3 29.4 44.0

Manual Integrations

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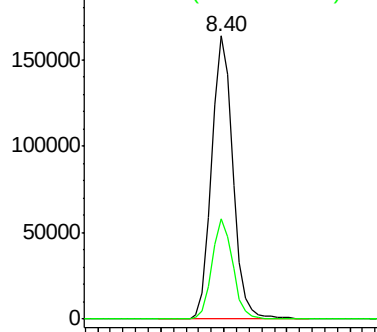
apatel

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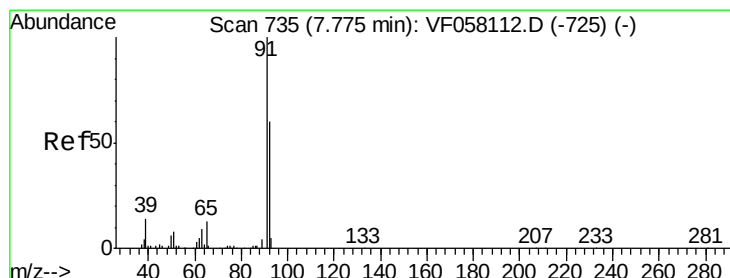
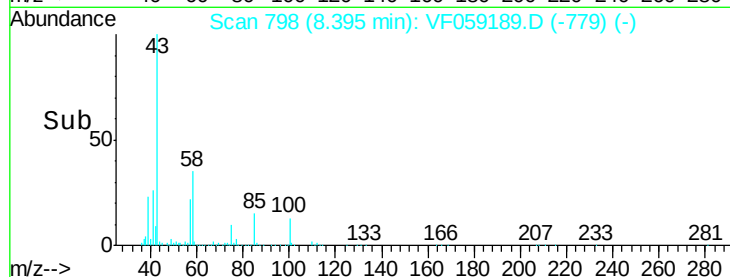


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#52

Toluene

Concen: 49.953 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059189.D

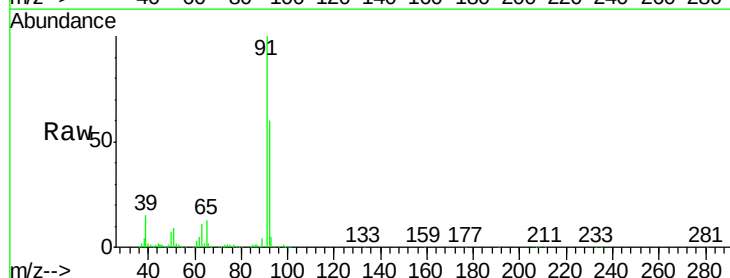
Acq: 18 Jun 2018 21:30

Tgt Ion: 92 Resp: 197969

Ion Ratio Lower Upper

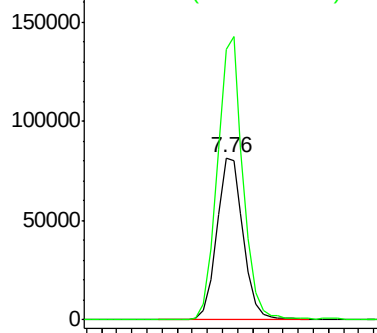
92 100

91 166.5 132.9 199.3

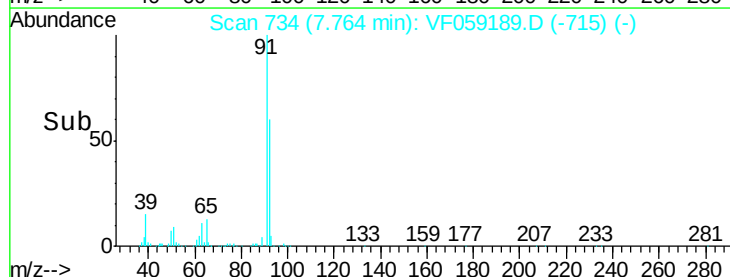


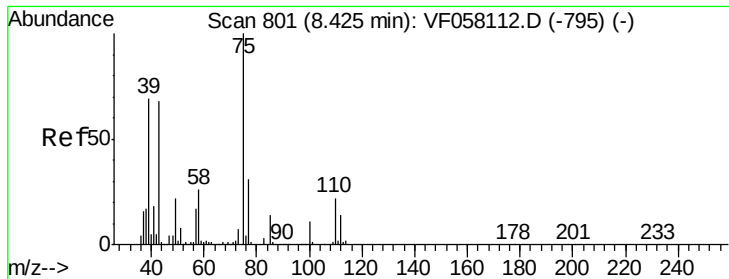
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->





#53

t-1,3-Dichloropropene

Concen: 52.268 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 137456

Ion Ratio Lower Upper

75 100

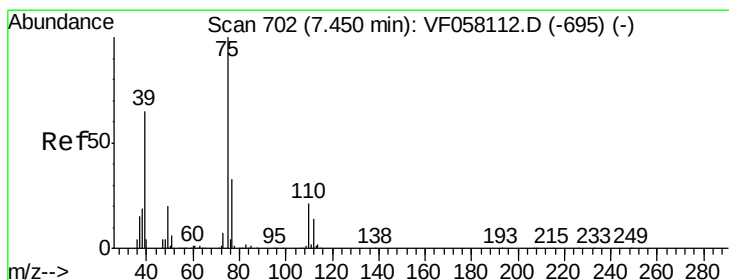
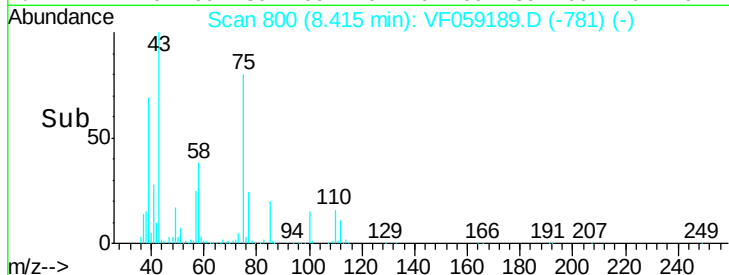
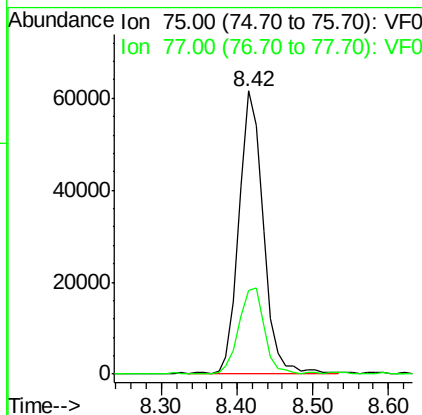
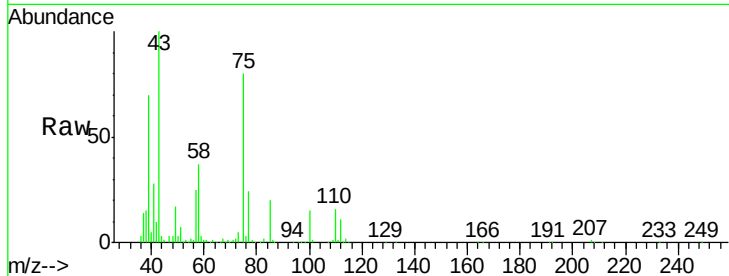
77 29.7 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.688 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

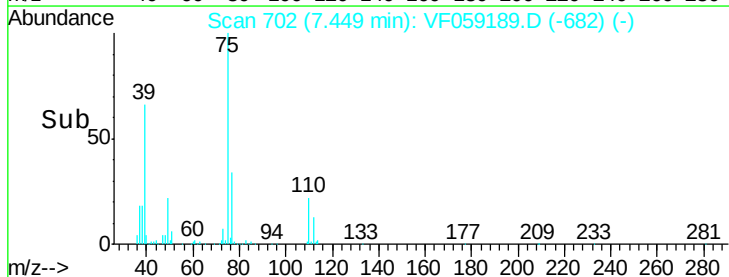
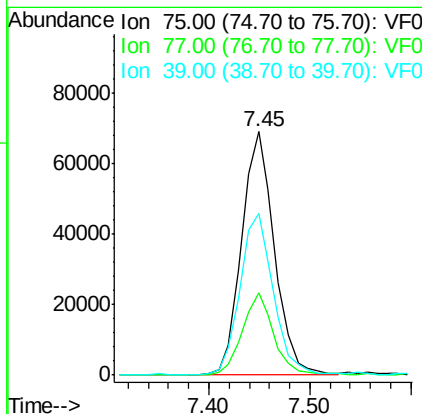
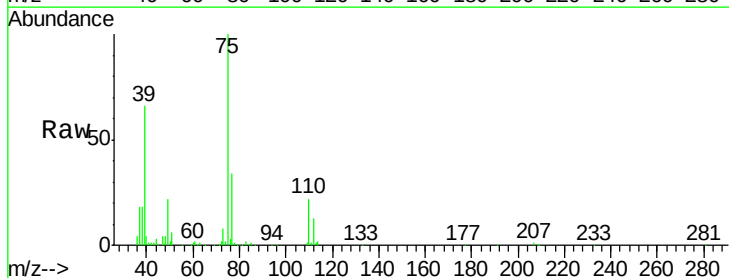
Tgt Ion: 75 Resp: 156151

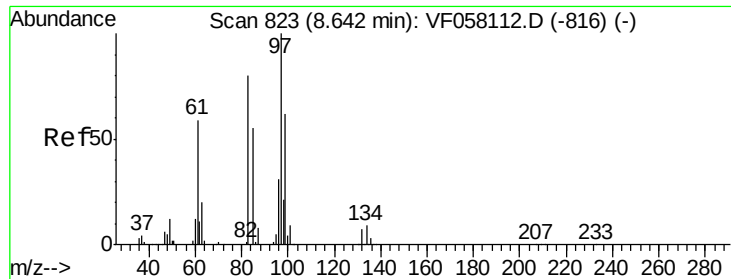
Ion Ratio Lower Upper

75 100

77 33.8 26.3 39.5

39 66.3 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 51.220 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

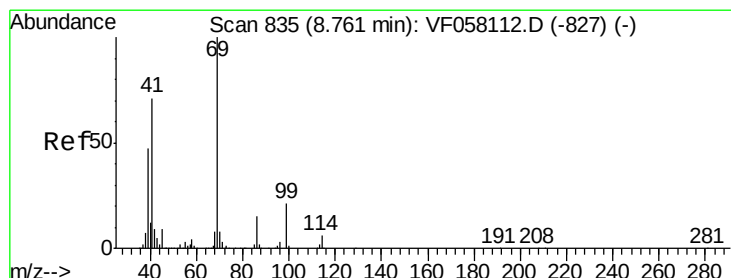
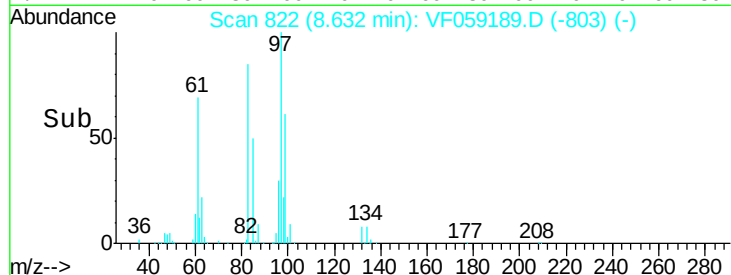
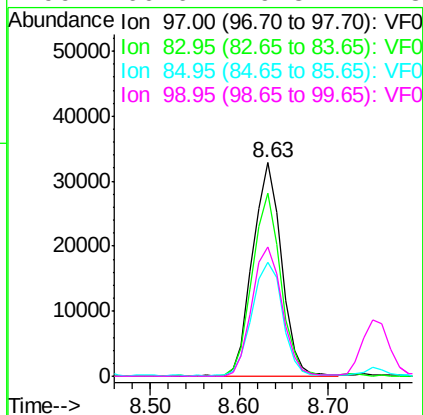
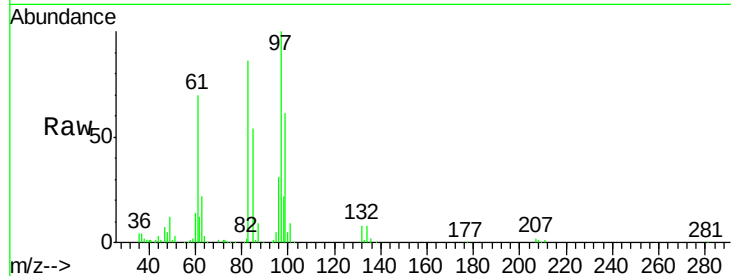
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	73558
Ion	Ratio	Lower	Upper
97	100		
83	85.8	64.3	96.5
85	53.5	43.8	65.8
99	60.6	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.362 ug/l

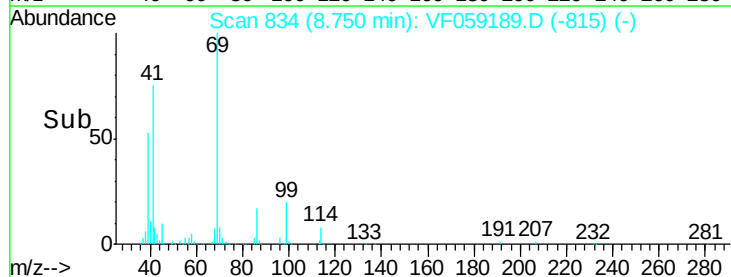
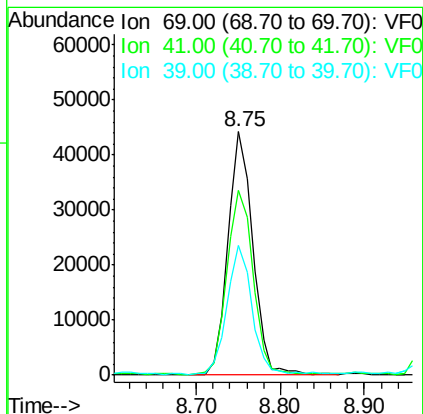
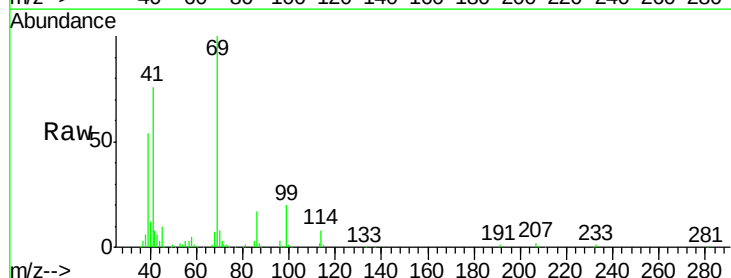
RT: 8.75 min Scan# 834

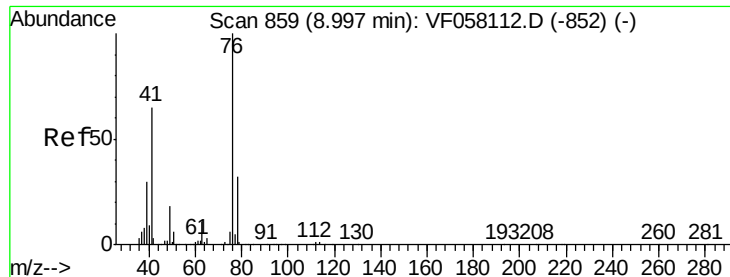
Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion:	69	Resp:	91167
Ion	Ratio	Lower	Upper
69	100		
41	75.9	56.9	85.3
39	53.5	38.0	57.0





#57

1,3-Dichloropropane

Concen: 53.800 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 132168

Ion Ratio Lower Upper

76 100

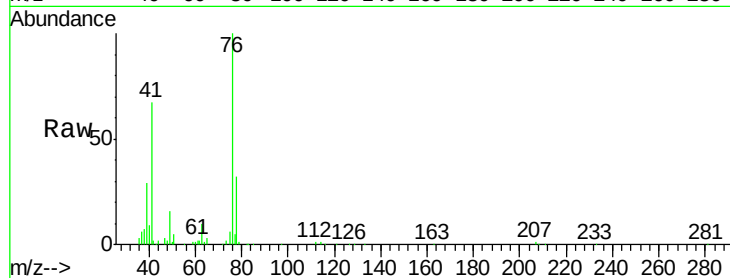
78 32.3 25.8 38.6

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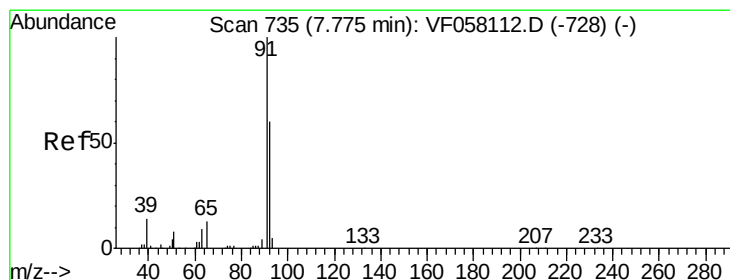
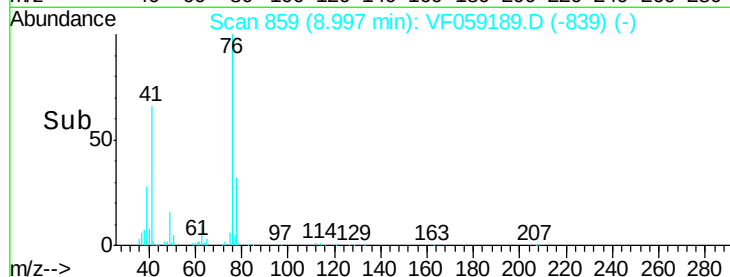
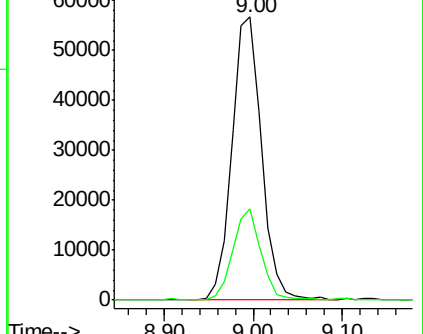
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 265.077 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059189.D

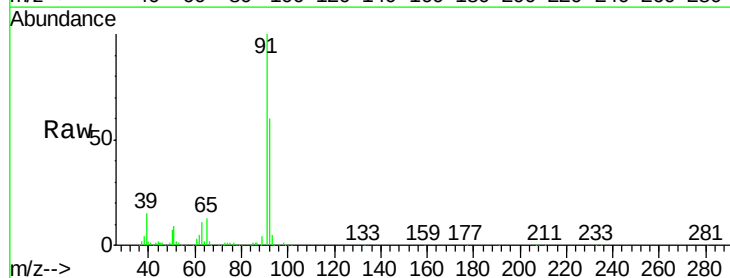
Acq: 18 Jun 2018 21:30

Tgt Ion: 63 Resp: 34311

Ion Ratio Lower Upper

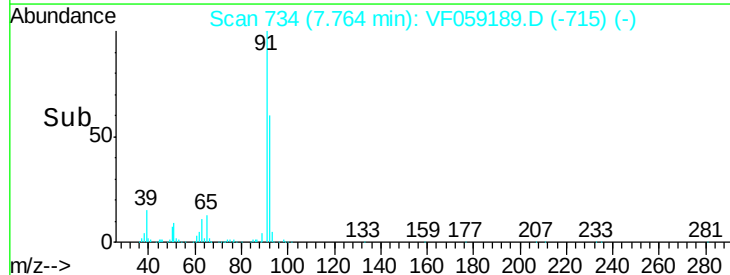
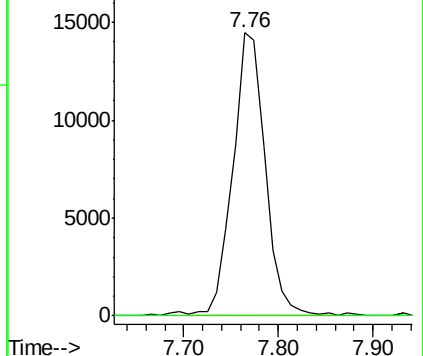
63 100

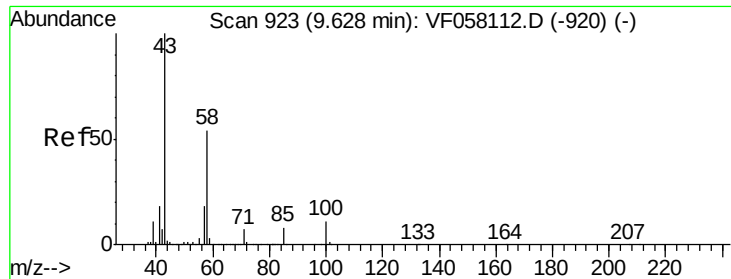
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





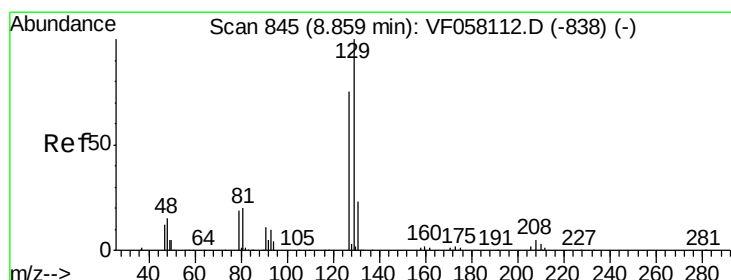
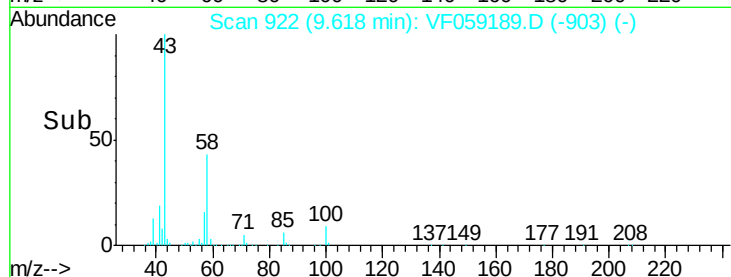
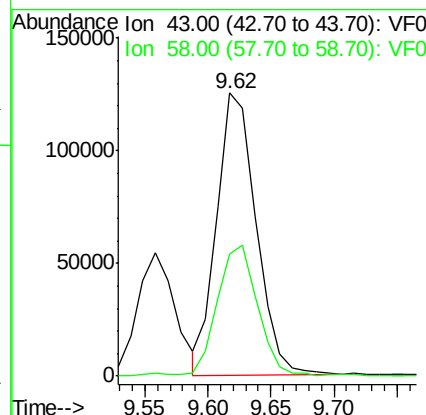
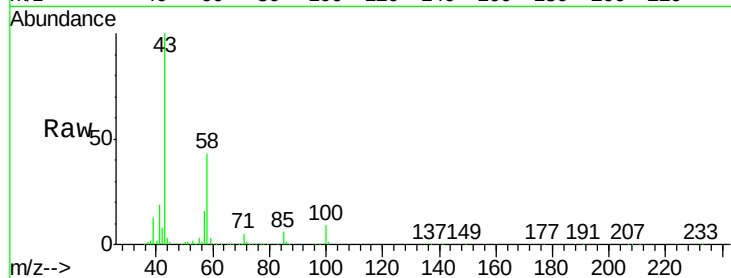
#59
2-Hexanone
Concen: 255.700 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 271932
Ion Ratio Lower Upper
43 100
58 43.0 26.3 78.8

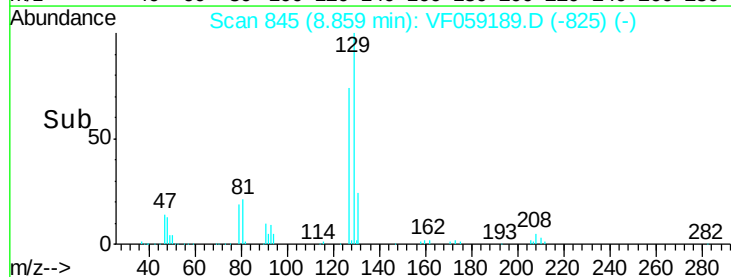
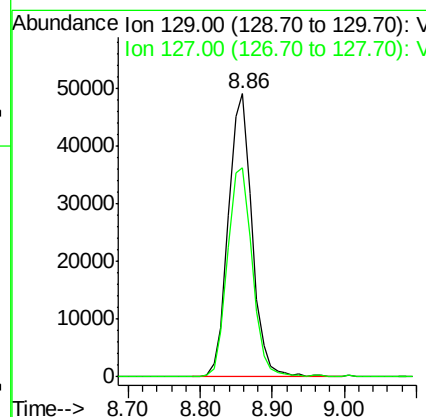
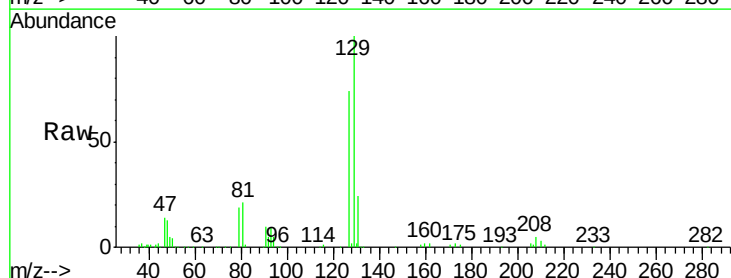
Manual Integrations
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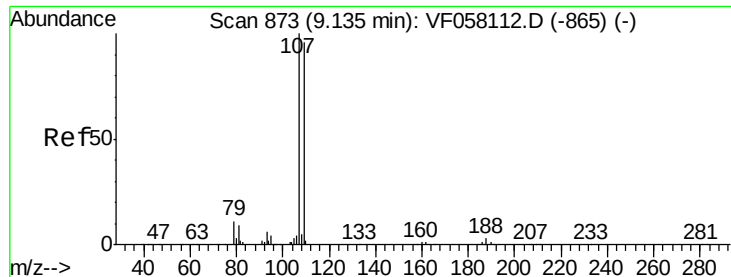
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#60
Dibromochloromethane
Concen: 54.281 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion: 129 Resp: 112020
Ion Ratio Lower Upper
129 100
127 74.0 37.6 112.9





#61

1,2-Dibromoethane

Concen: 53.487 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 89255

Ion Ratio Lower Upper

107 100

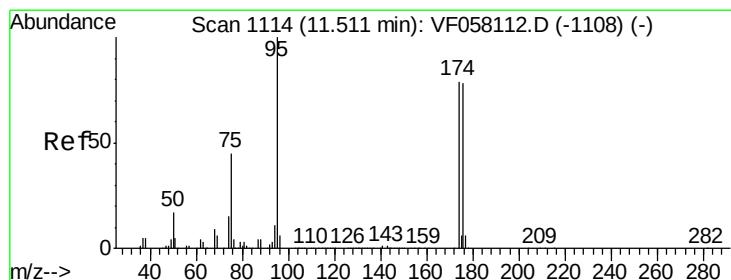
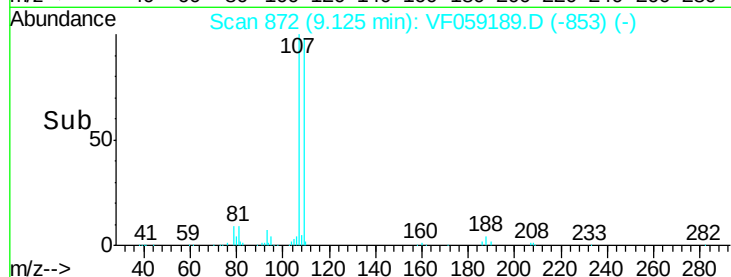
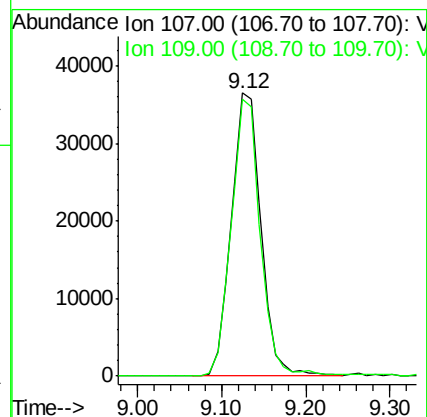
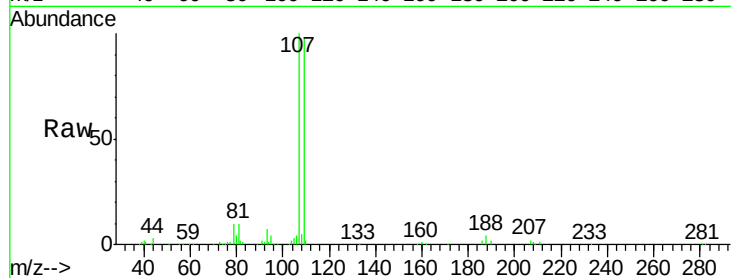
109 97.9 76.6 115.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.736 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

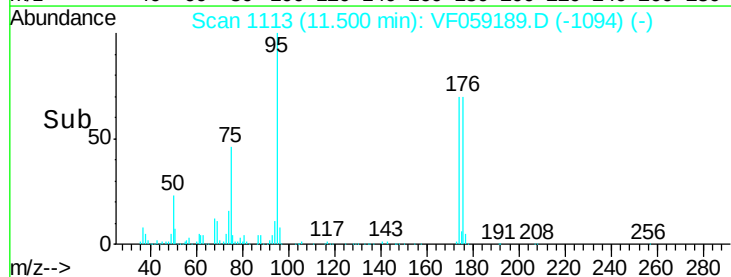
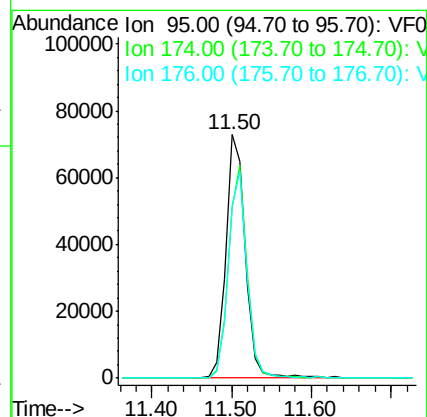
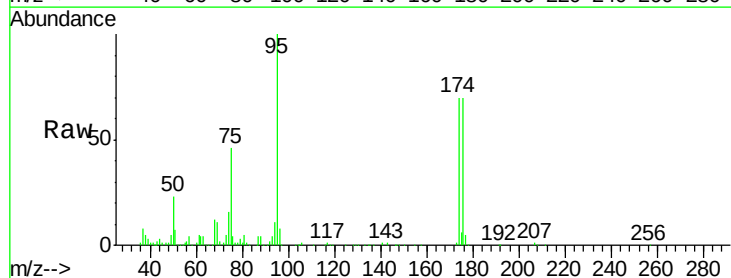
Tgt Ion: 95 Resp: 126016

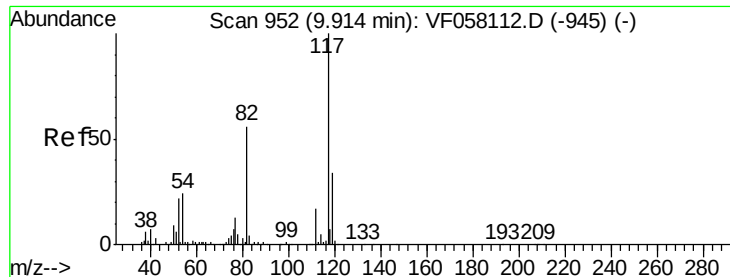
Ion Ratio Lower Upper

95 100

174 70.0 0.0 157.8

176 70.4 0.0 155.8





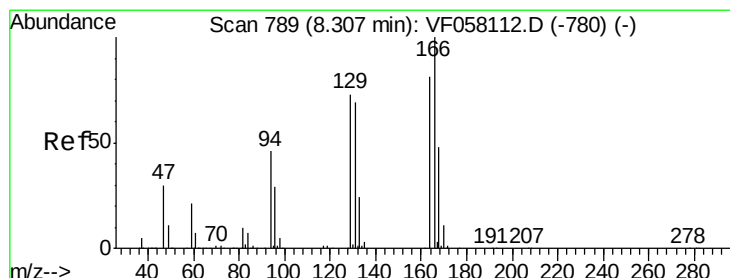
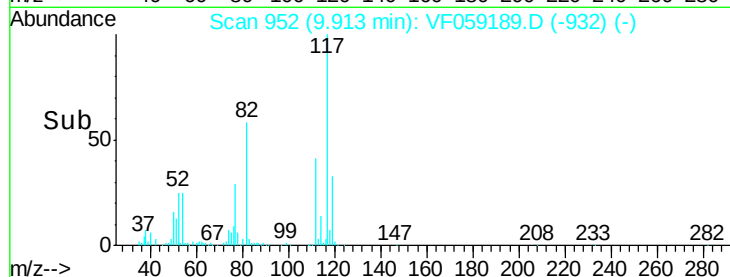
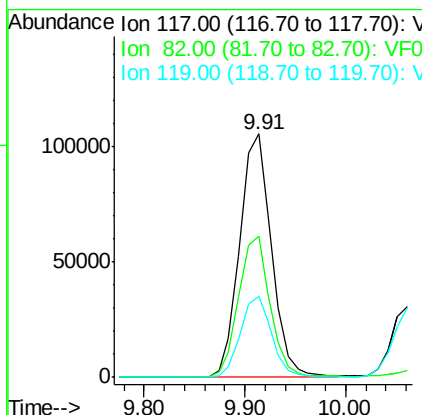
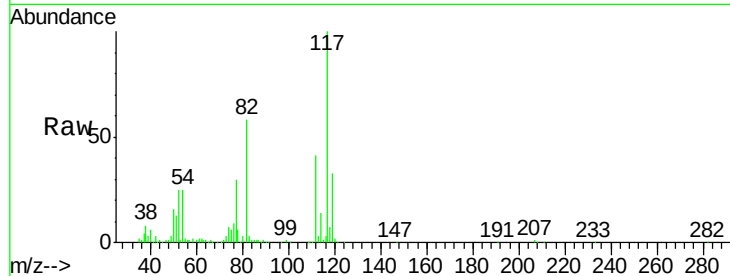
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.2	67.8
119	33.1	27.5	41.3

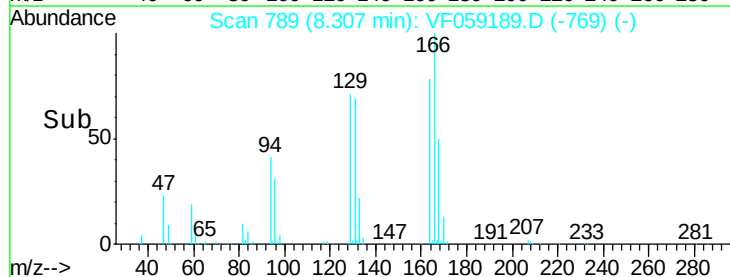
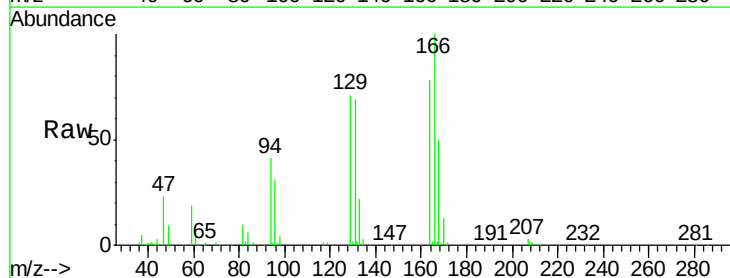
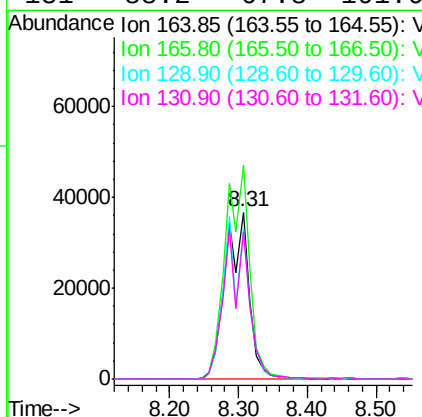
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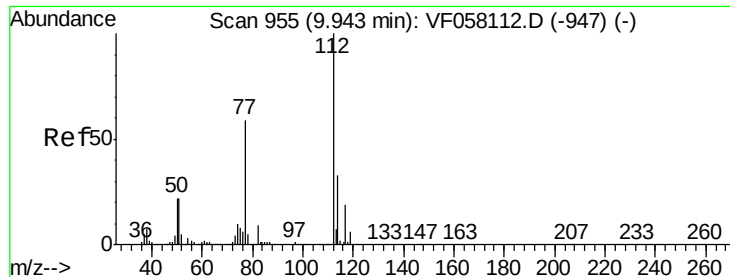
apatel
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#64
Tetrachloroethene
Concen: 51.343 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	98.2	147.4
129	90.8	71.6	107.4
131	88.2	67.8	101.6





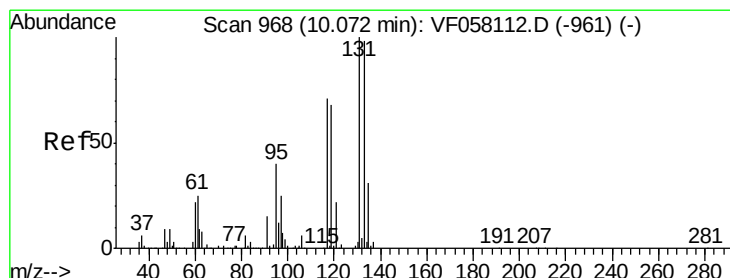
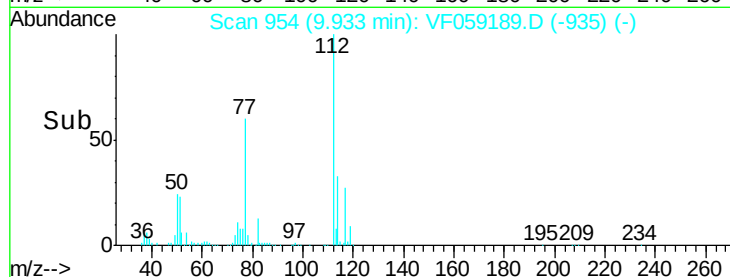
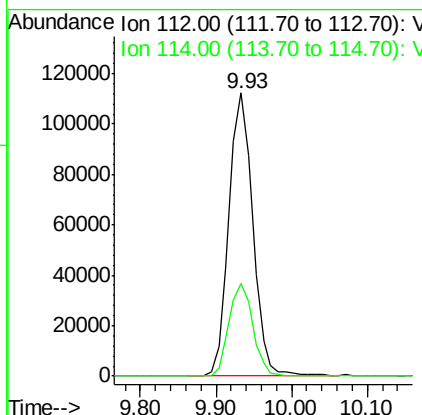
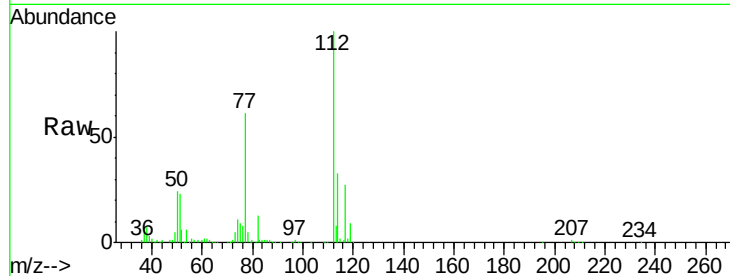
#65
Chlorobenzene
Concen: 53.607 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.4

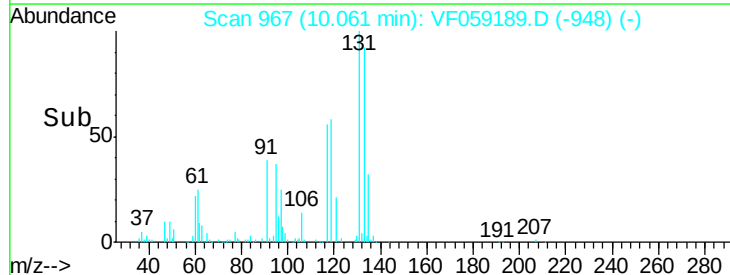
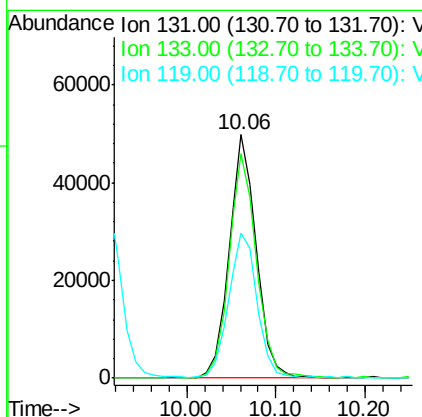
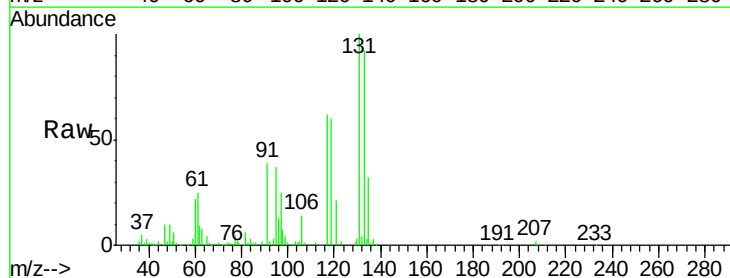
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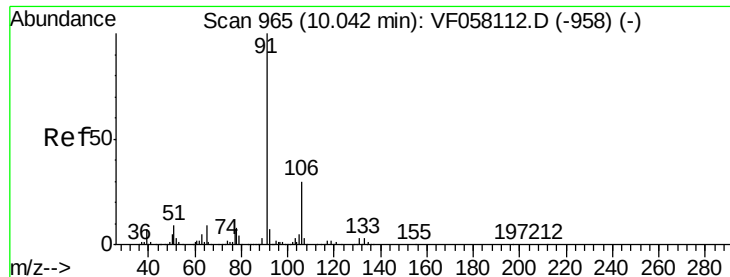
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#66
1,1,1,2-Tetrachloroethane
Concen: 58.007 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.1	49.1	147.4
119	59.8	34.3	102.8





#67

Ethyl Benzene

Concen: 52.788 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 421203

Ion Ratio Lower Upper

91 100

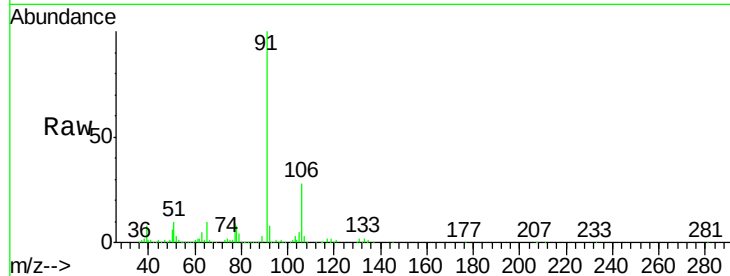
106 28.4 24.2 36.4

Manual Integrations

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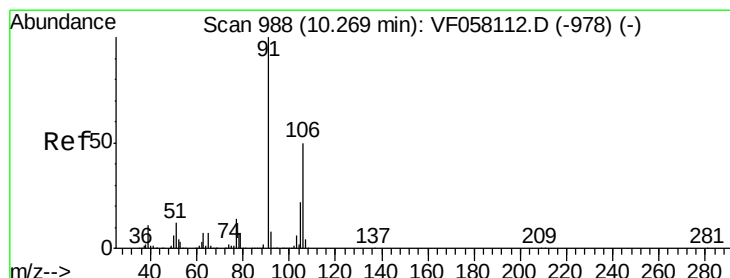
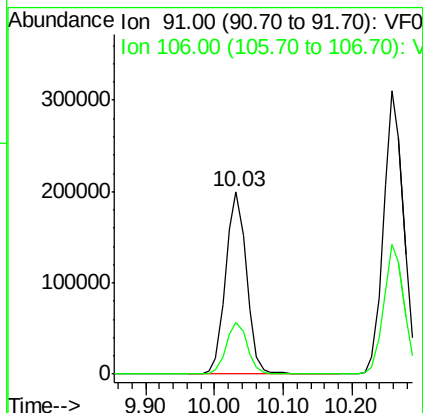
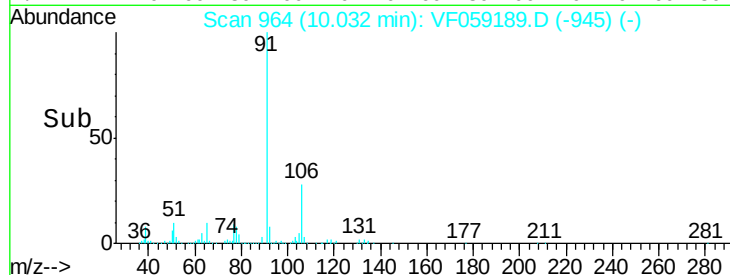
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.972 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059189.D

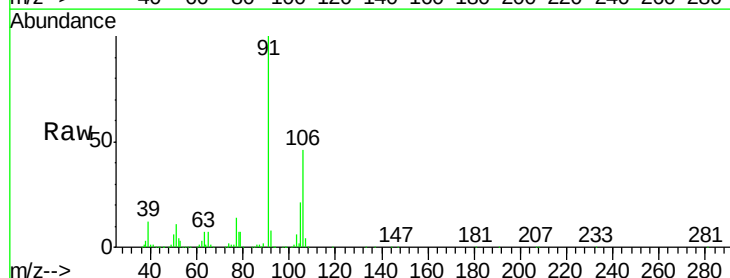
Acq: 18 Jun 2018 21:30

Tgt Ion: 106 Resp: 295663

Ion Ratio Lower Upper

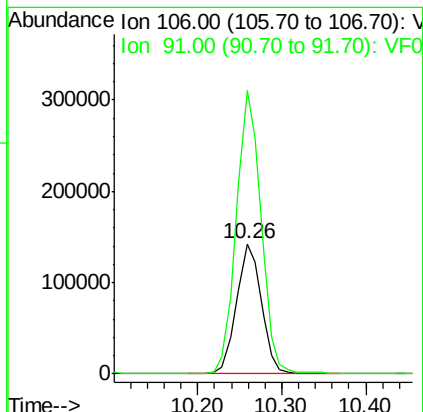
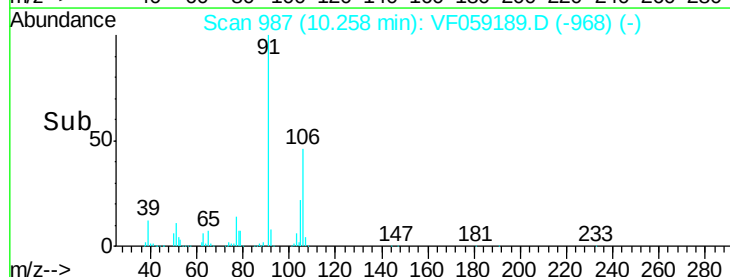
106 100

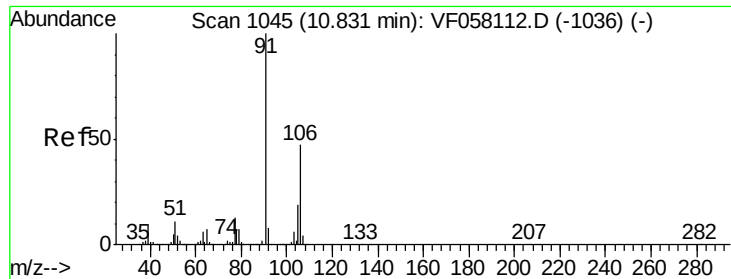
91 217.9 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





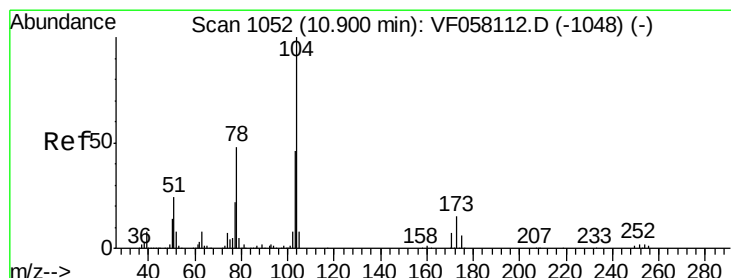
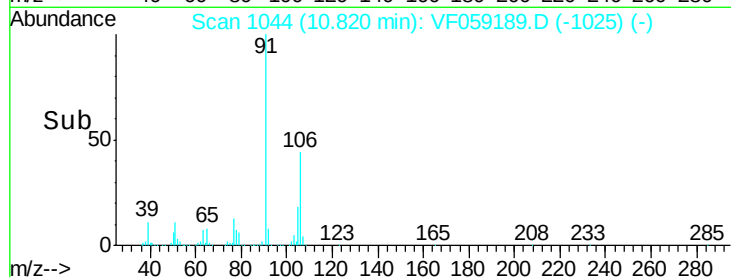
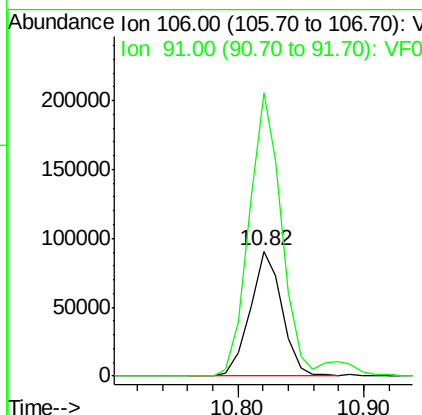
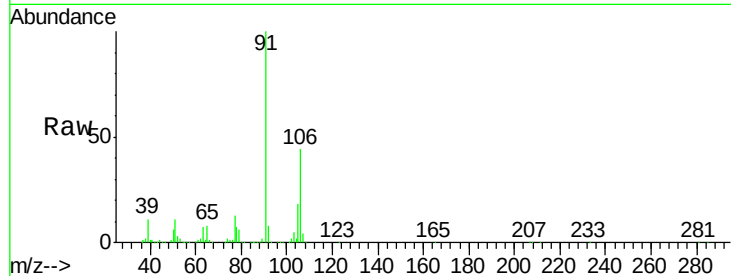
#69
o-Xylene
Concen: 49.167 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 158744
Ion Ratio Lower Upper
106 100
91 226.8 107.0 321.0

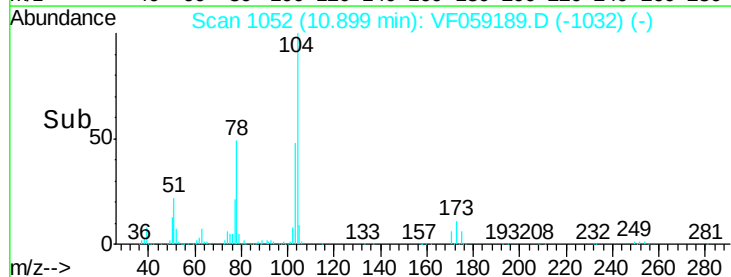
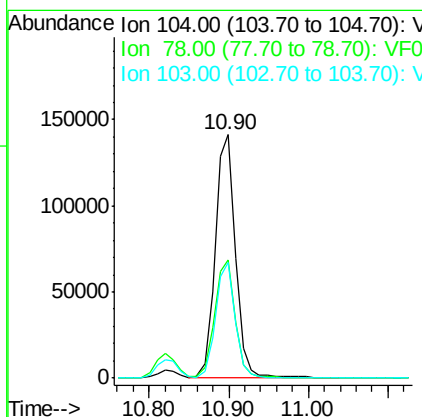
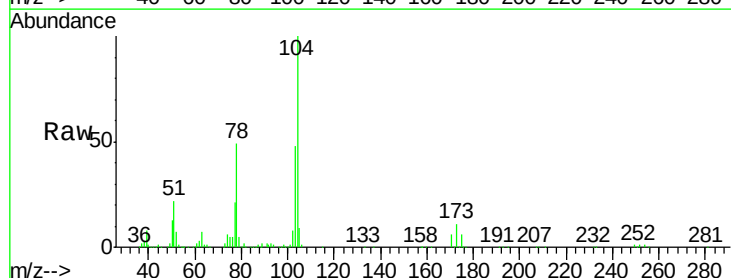
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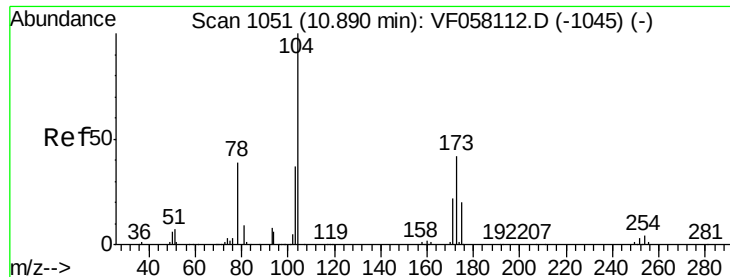
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#70
Styrene
Concen: 51.672 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion:104 Resp: 252420
Ion Ratio Lower Upper
104 100
78 48.5 38.4 57.6
103 47.7 37.0 55.6





#71

Bromoform

Concen: 59.494 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 73804

Ion Ratio Lower Upper

173 100

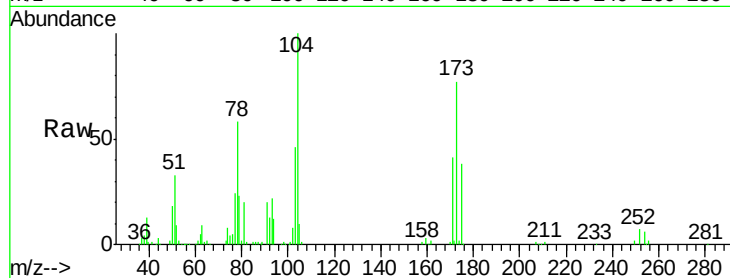
175 49.0 24.6 74.0

254 0.3 7.8 11.8#

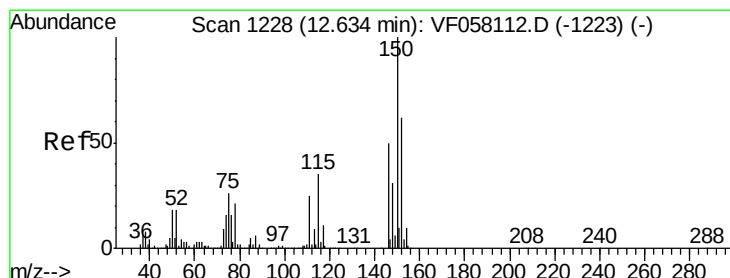
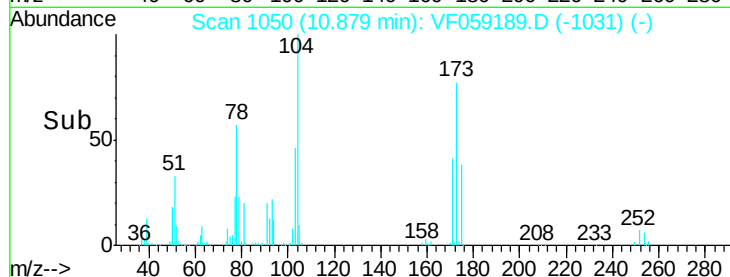
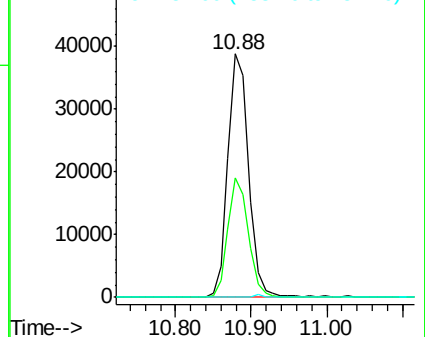
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

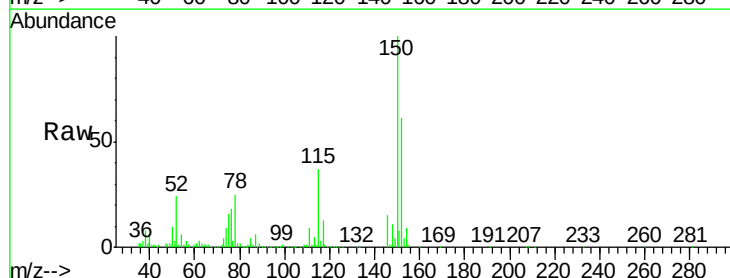
Tgt Ion:152 Resp: 133914

Ion Ratio Lower Upper

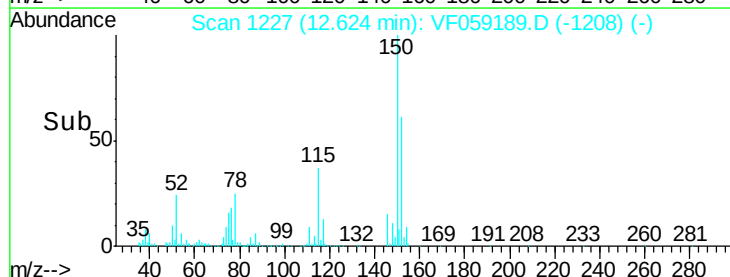
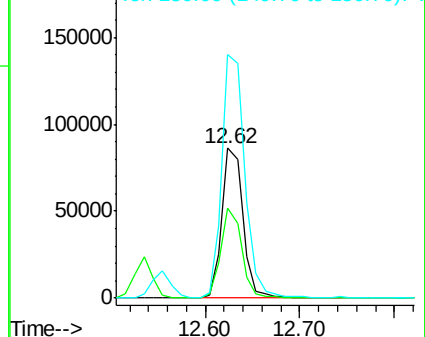
152 100

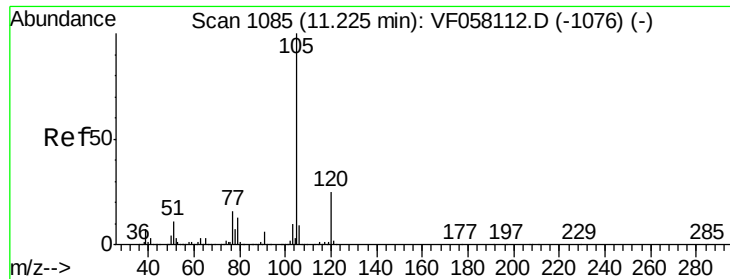
115 60.5 28.5 85.5

150 162.8 0.0 323.8



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





#73

Isopropylbenzene

Concen: 52.002 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 482134

Ion Ratio Lower Upper

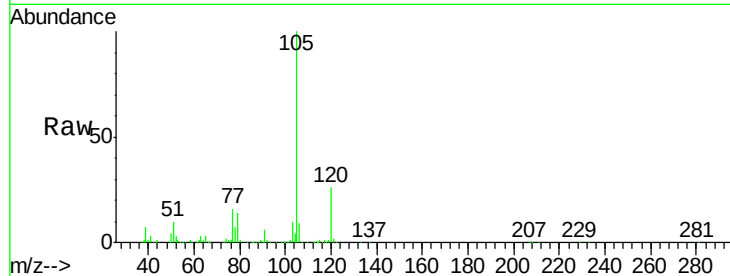
105 100

120 26.1 12.7 38.1

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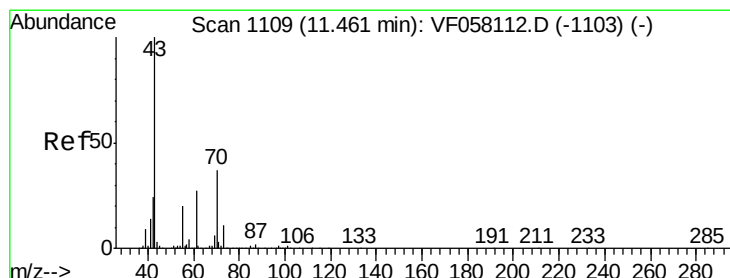
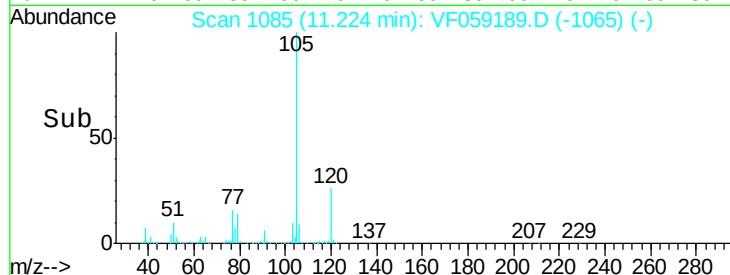
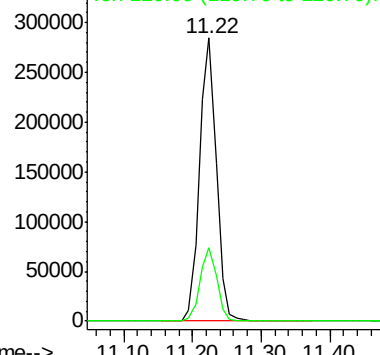
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.353 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion: 43 Resp: 166765

Ion Ratio Lower Upper

43 100

70 36.7 29.2 43.8

55 20.3 15.8 23.6

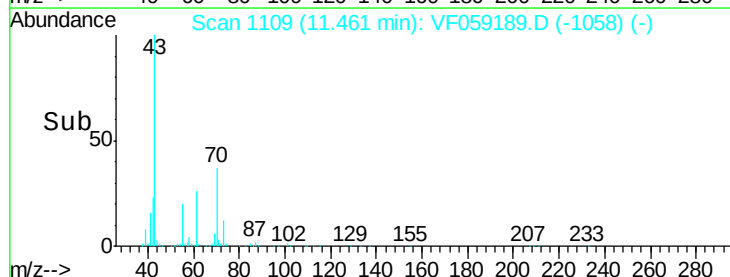
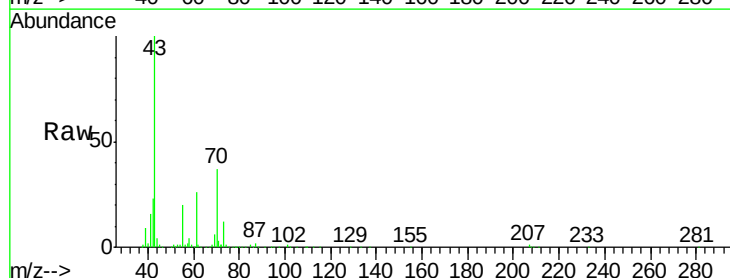
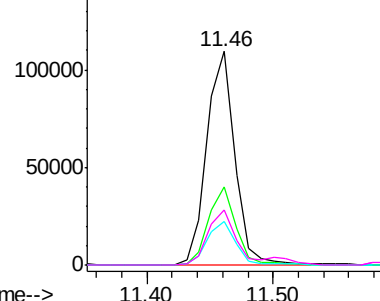
61 26.0 21.3 31.9

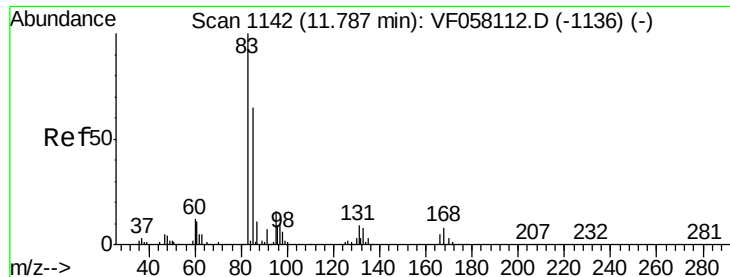
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.177 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

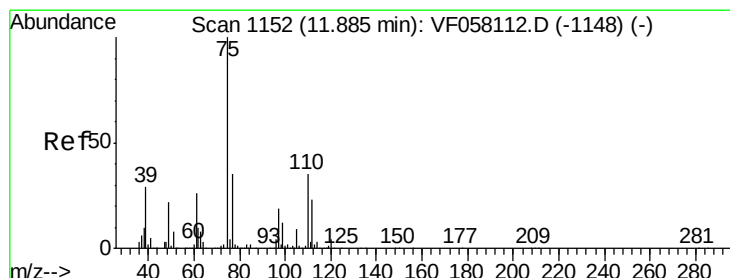
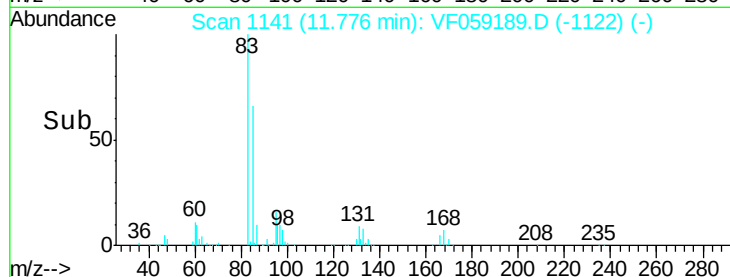
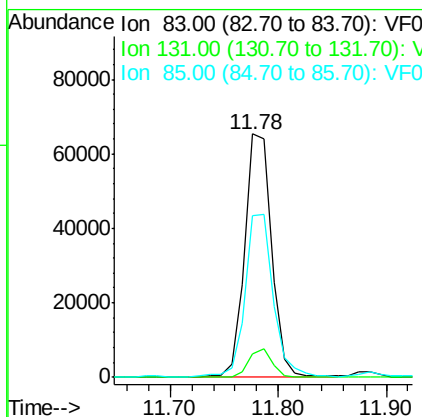
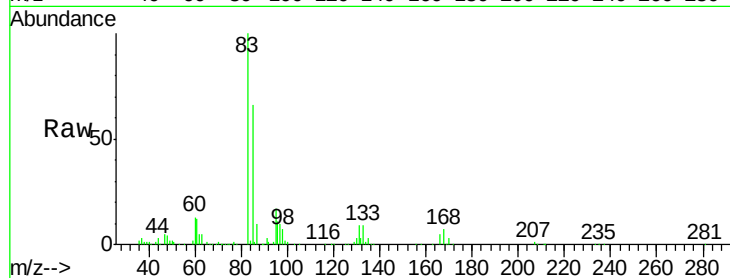
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	112493
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.7
85	66.2	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 53.318 ug/l

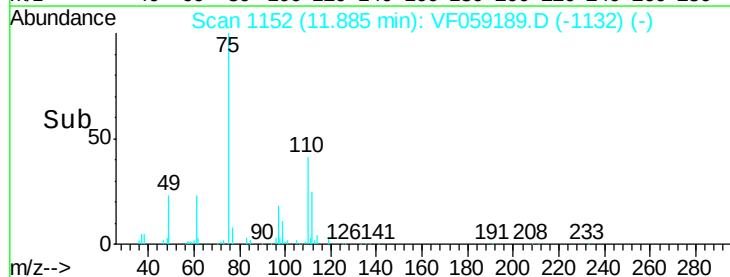
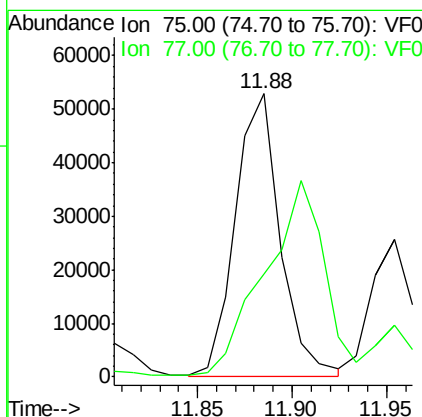
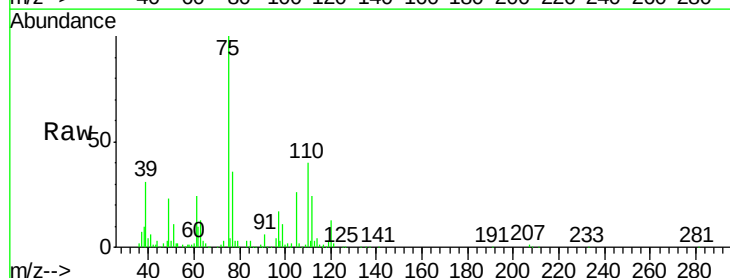
RT: 11.88 min Scan# 1152

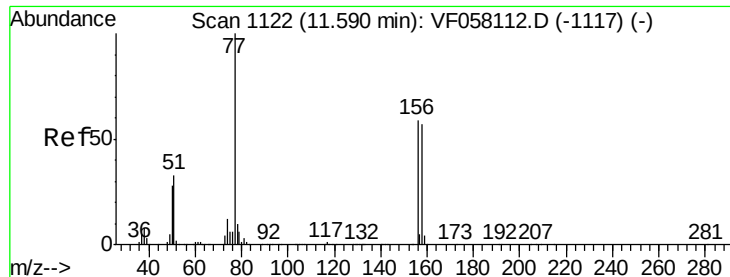
Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion:	75	Resp:	86556
Ion Ratio	Lower	Upper	
75	100		
77	36.2	17.5	52.5





#77

Bromobenzene

Concen: 53.535 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

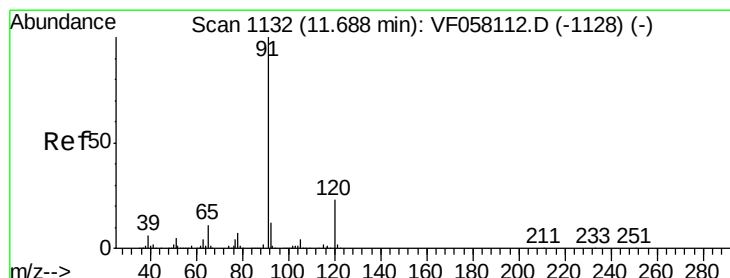
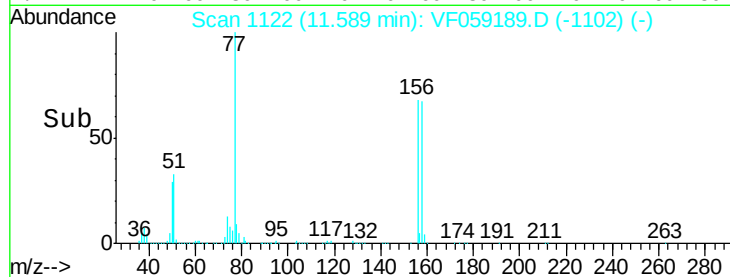
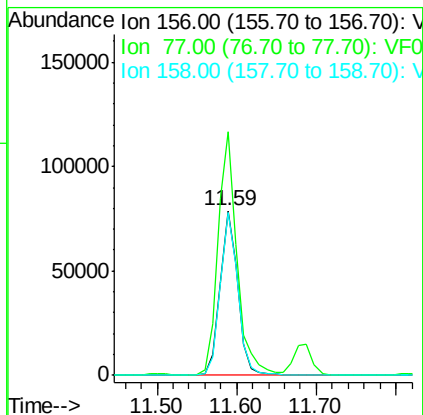
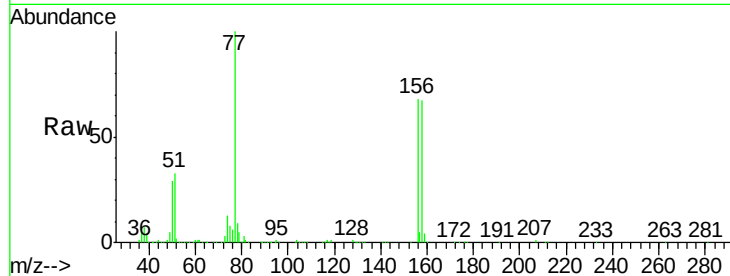
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	124918
Ion Ratio	Lower	Upper	
156	100		
77	147.7	84.8	254.4
158	98.8	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 50.110 ug/l

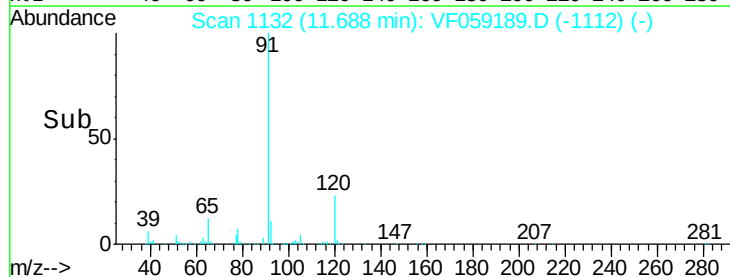
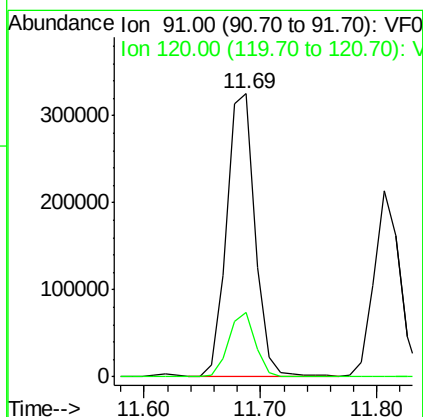
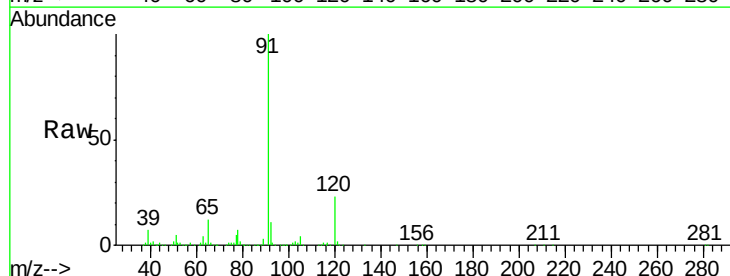
RT: 11.69 min Scan# 1132

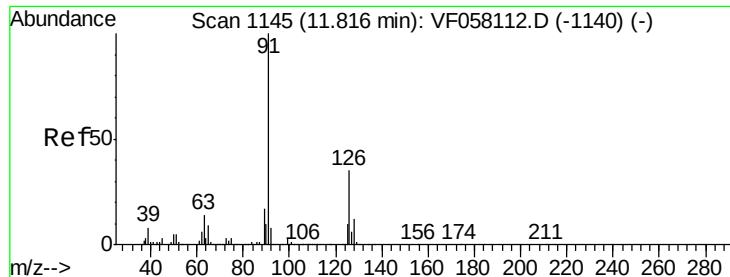
Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion:	91	Resp:	549910
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.365 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 326520

Ion Ratio Lower Upper

91 100

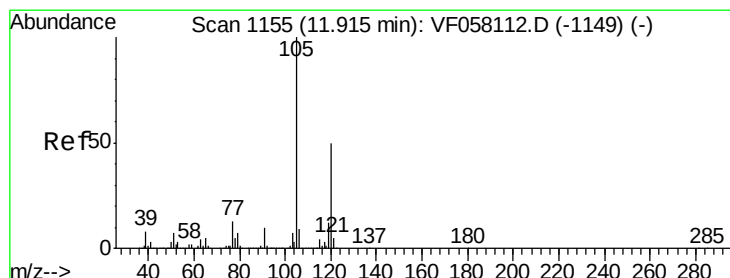
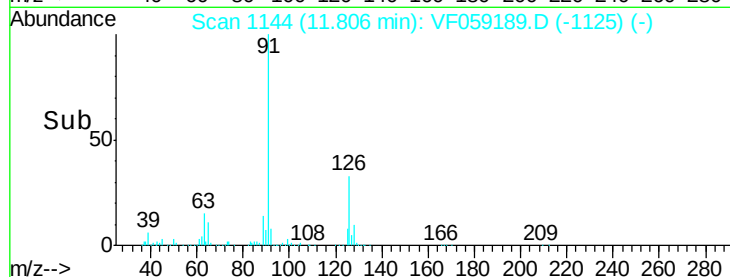
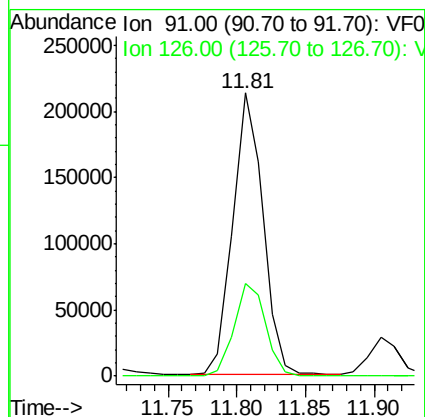
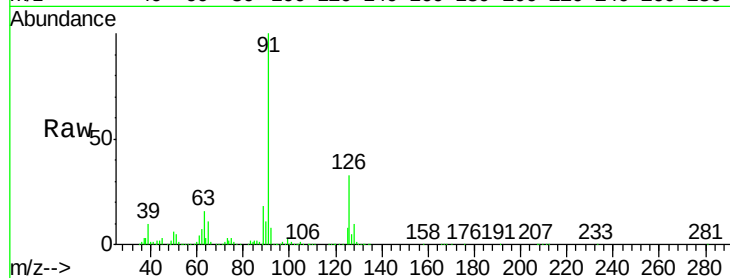
126 32.5 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 52.760 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059189.D

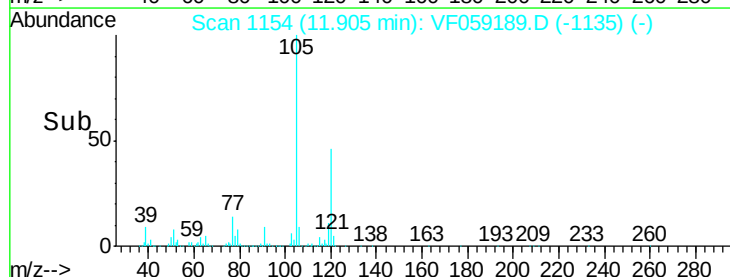
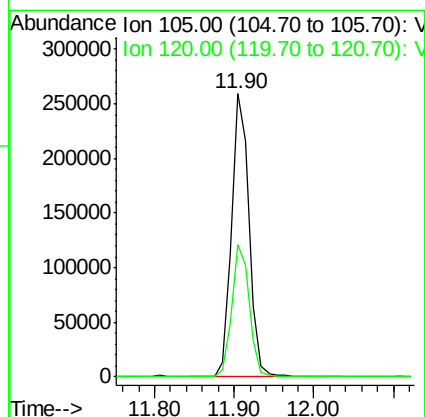
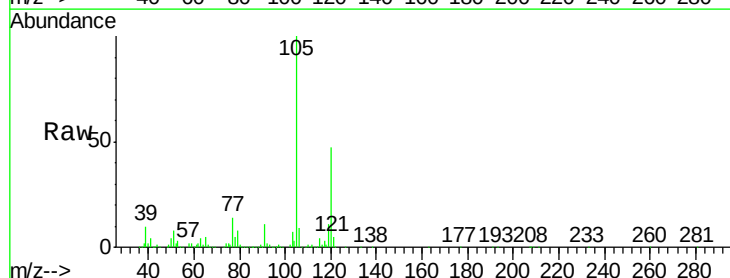
Acq: 18 Jun 2018 21:30

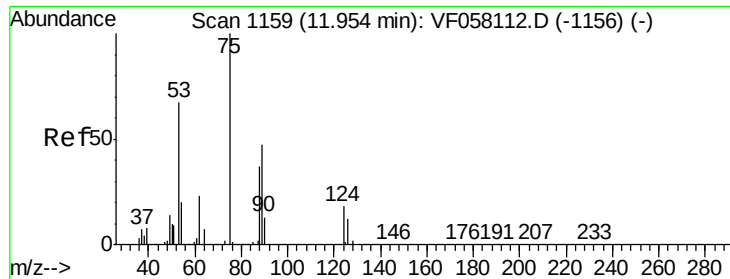
Tgt Ion: 105 Resp: 404863

Ion Ratio Lower Upper

105 100

120 46.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.219 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

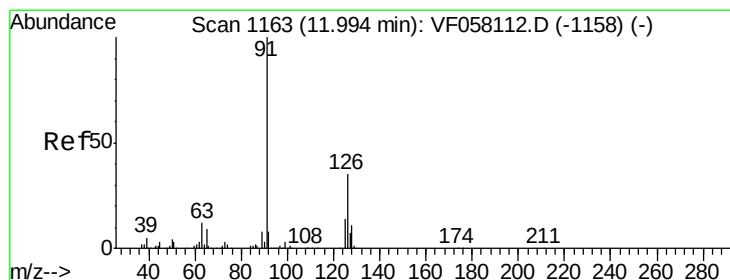
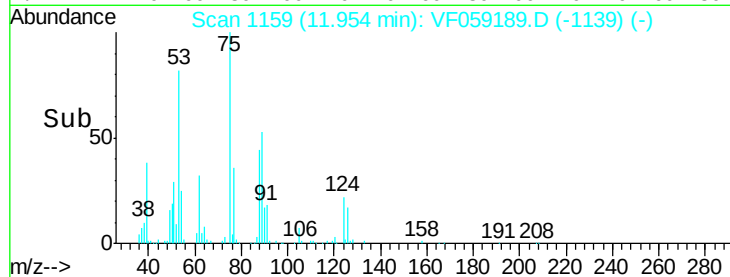
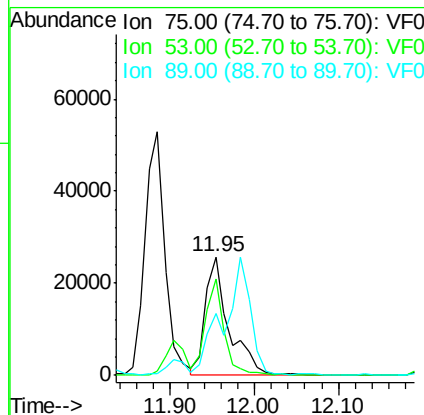
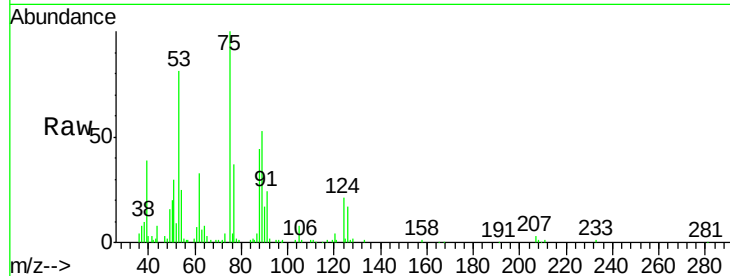
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	50753
Ion	Ratio	Lower	Upper
75	100		
53	81.5	58.7	88.1
89	52.6	39.8	59.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.899 ug/l

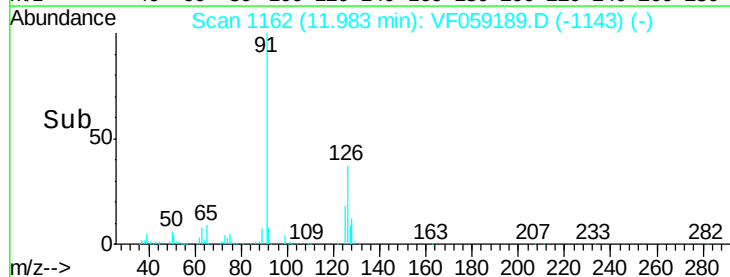
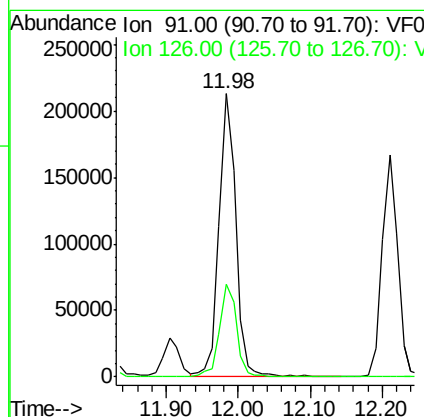
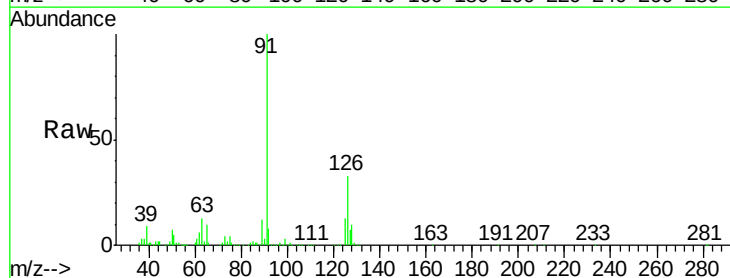
RT: 11.98 min Scan# 1162

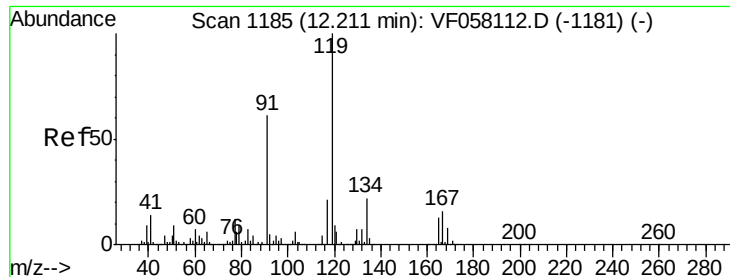
Delta R.T. -0.01 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion:	91	Resp:	337496
Ion	Ratio	Lower	Upper
91	100		
126	32.6	17.4	52.2





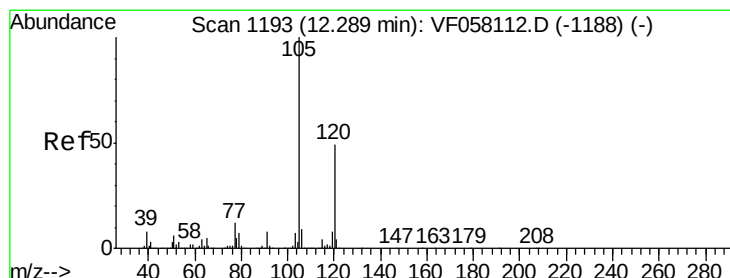
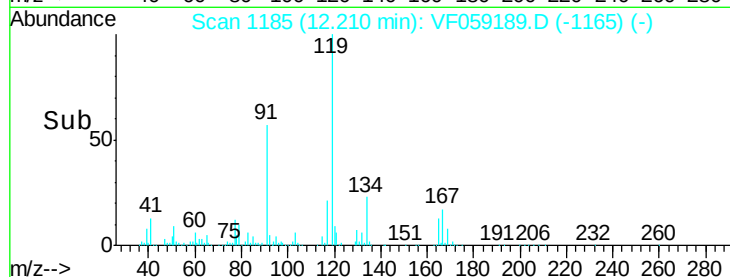
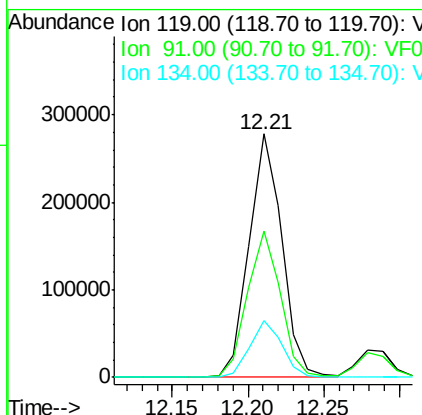
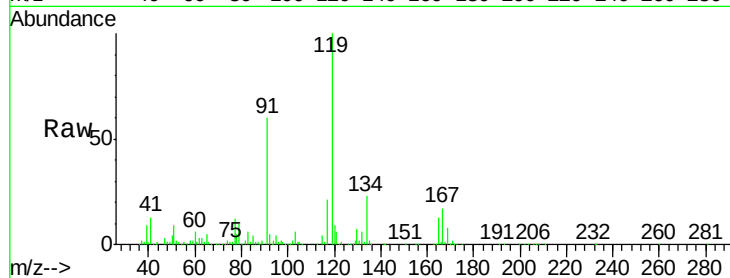
#83
 tert-Butylbenzene
 Concen: 55.439 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.4	91.3
134	23.1	11.2	33.5

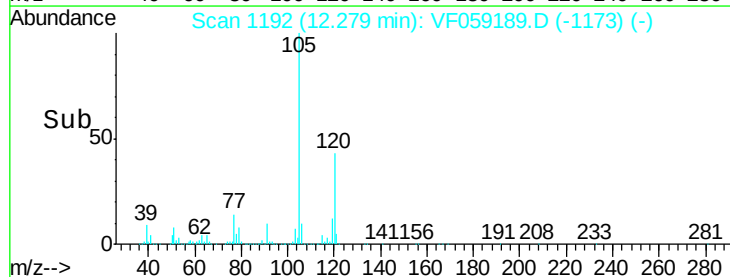
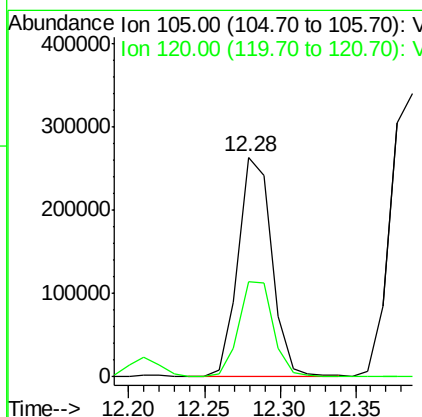
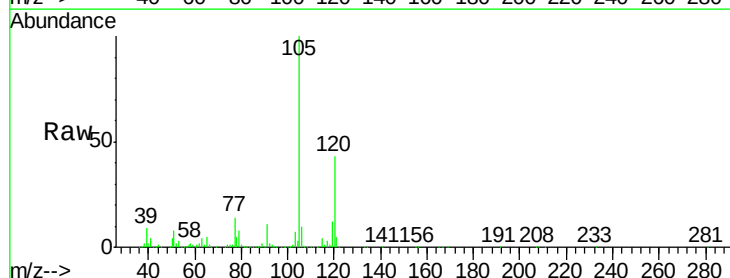
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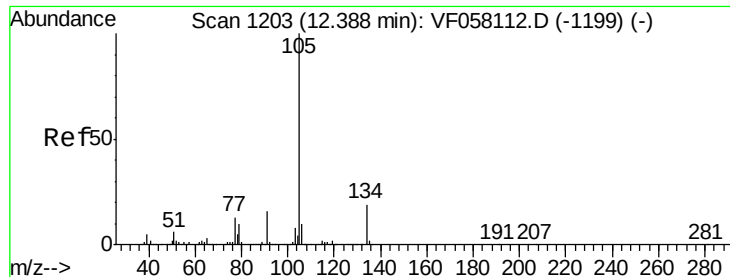
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.478 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	24.7	74.1





#85

sec-Butylbenzene

Concen: 50.867 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 526643

Ion Ratio Lower Upper

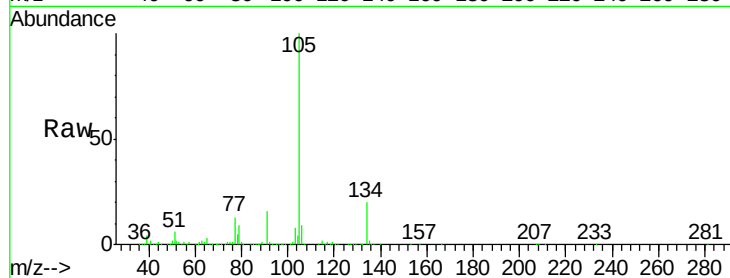
105 100

134 19.5 9.6 28.6

Manual Integrations
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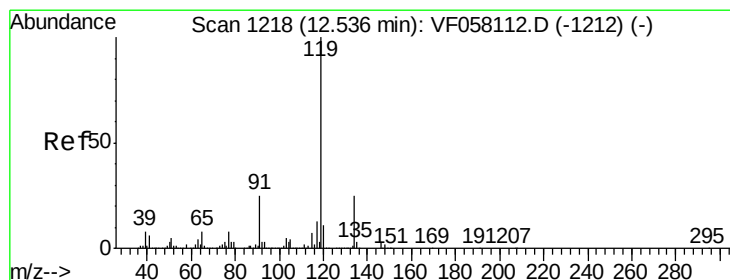
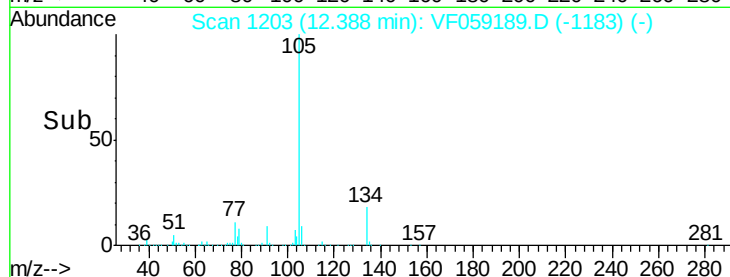
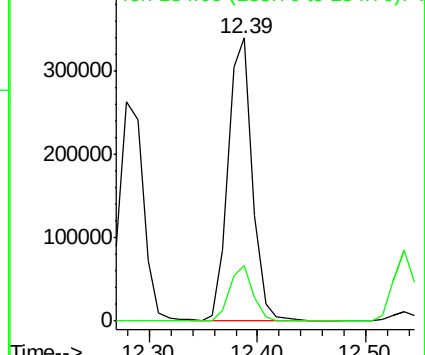
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.910 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

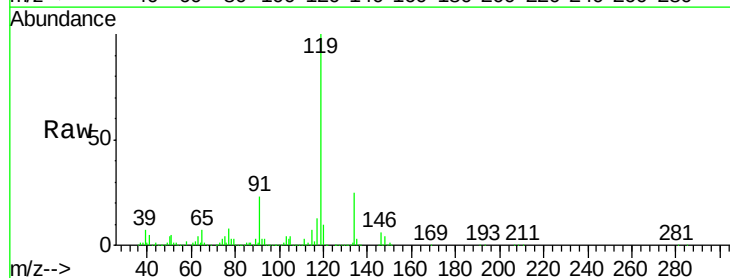
Tgt Ion:119 Resp: 466937

Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.0

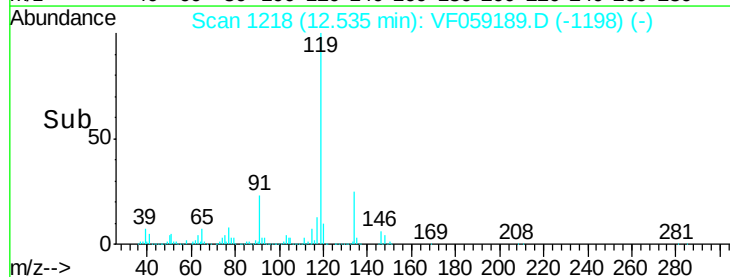
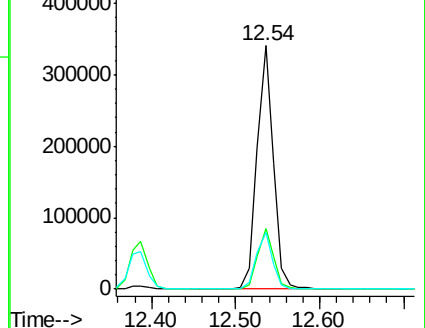
91 23.4 12.6 37.6

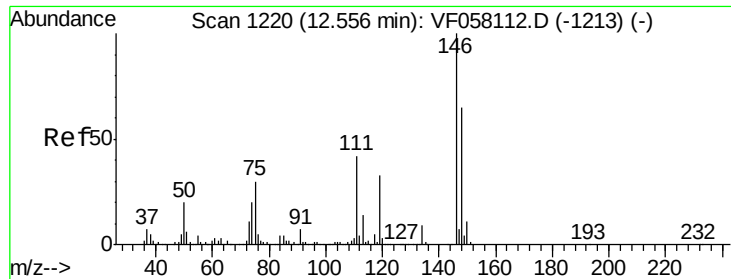


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





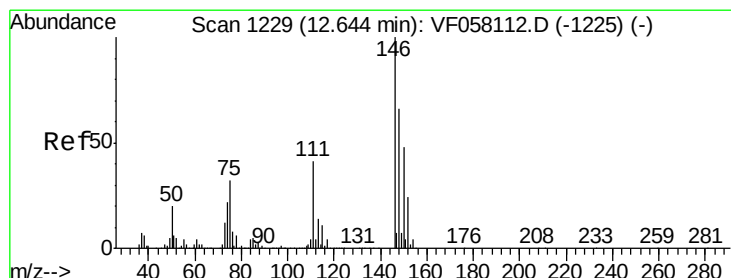
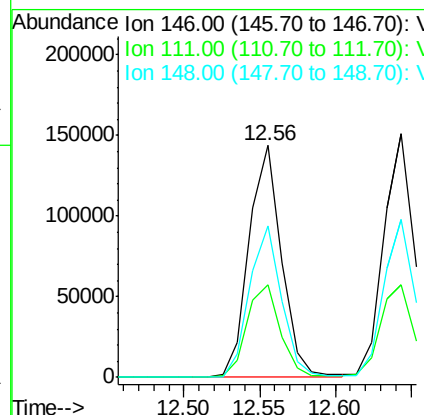
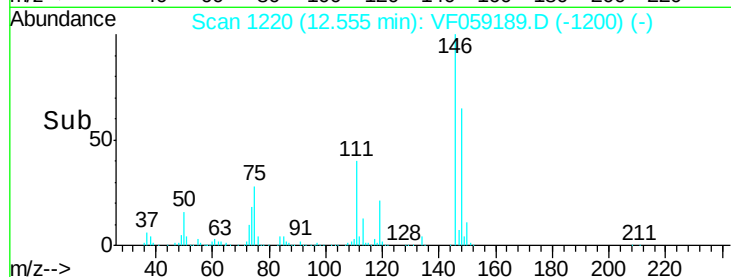
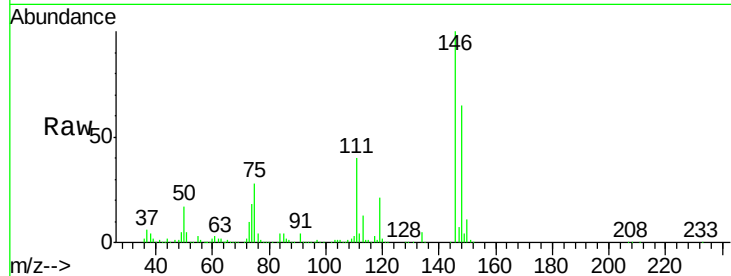
#87
 1,3-Dichlorobenzene
 Concen: 50.266 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.8	62.5
148	65.5	32.3	96.9

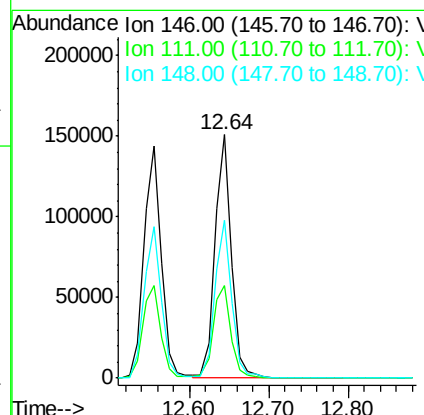
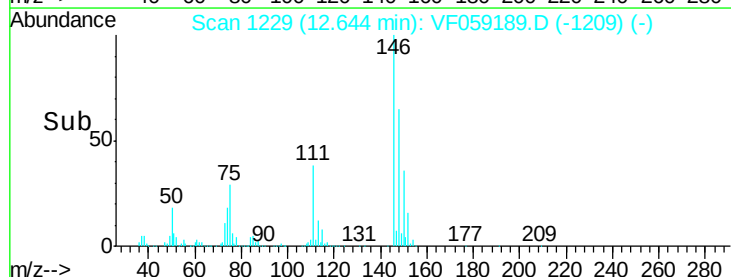
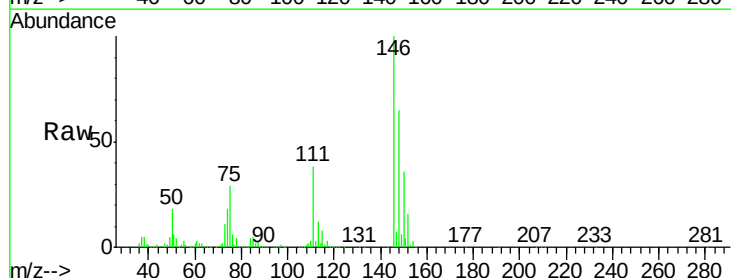
Manual Integrations
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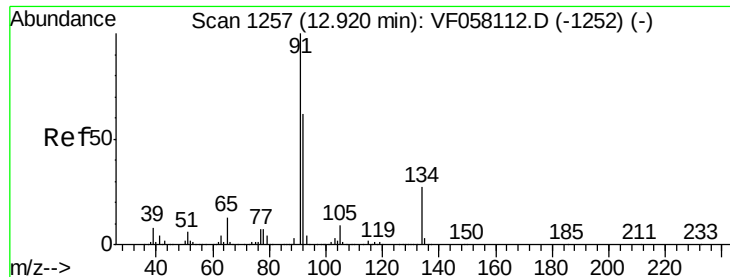
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#88
 1,4-Dichlorobenzene
 Concen: 52.844 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.4	61.2
148	64.9	33.0	99.0





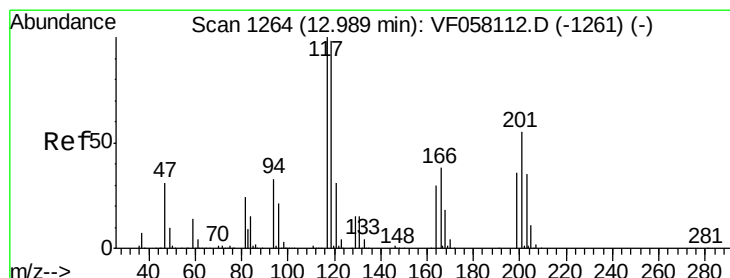
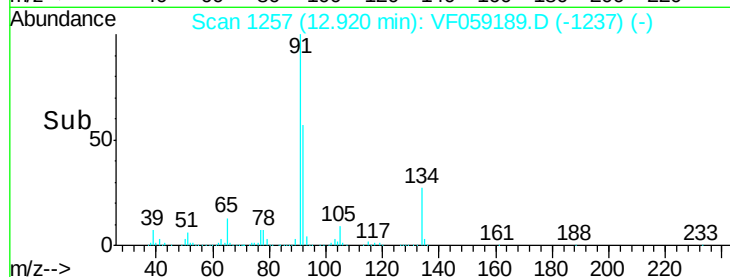
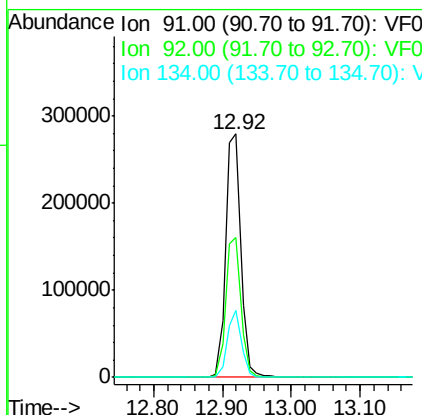
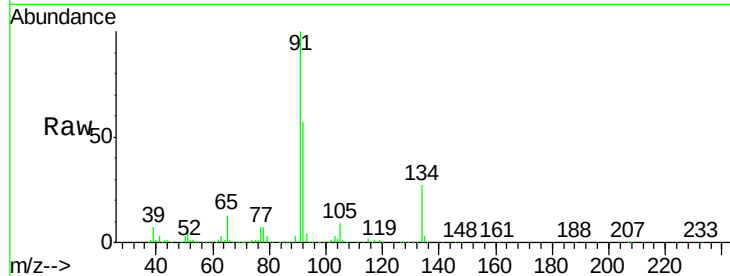
#89
n-Butylbenzene
Concen: 48.376 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	428211		
92	57.4		31.1	93.5
134	27.3		13.6	40.8

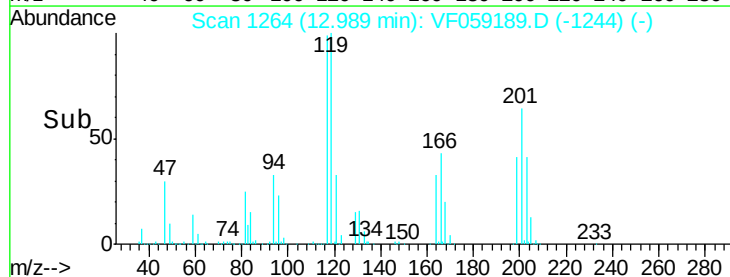
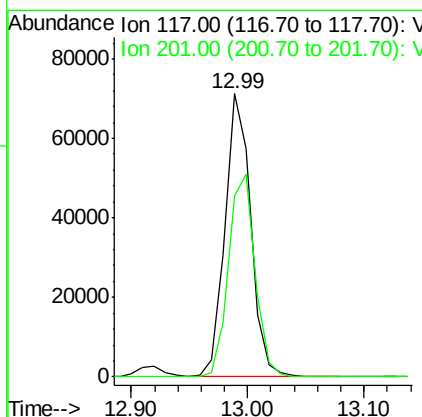
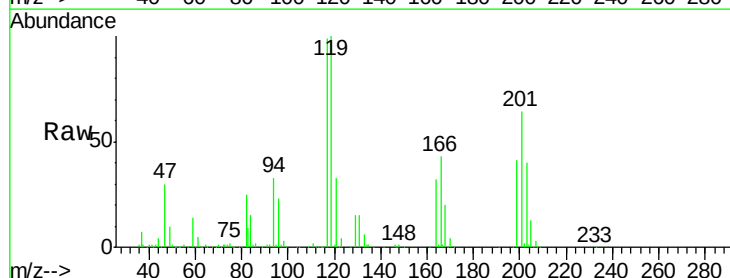
Manual Integrations
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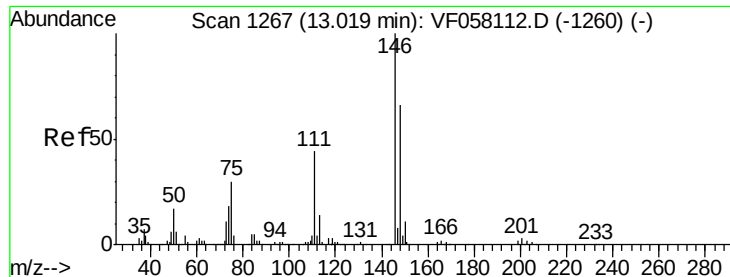
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#90
Hexachloroethane
Concen: 52.108 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	109121		
201	65.9		27.5	82.4





#91

1,2-Dichlorobenzene

Concen: 51.114 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Instrument :

MSVOA_F

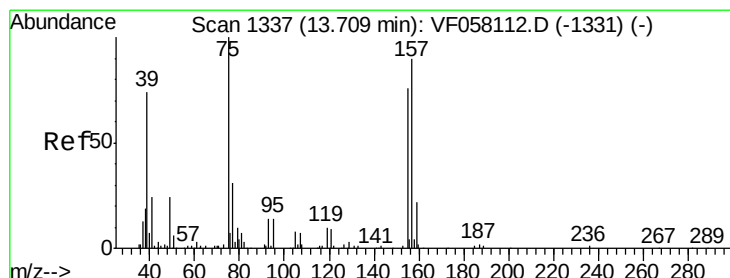
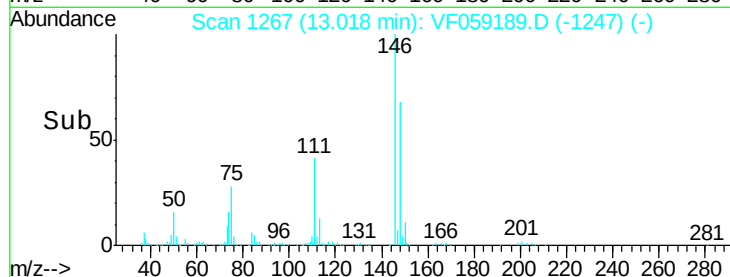
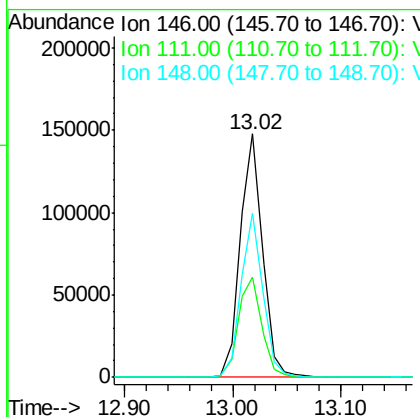
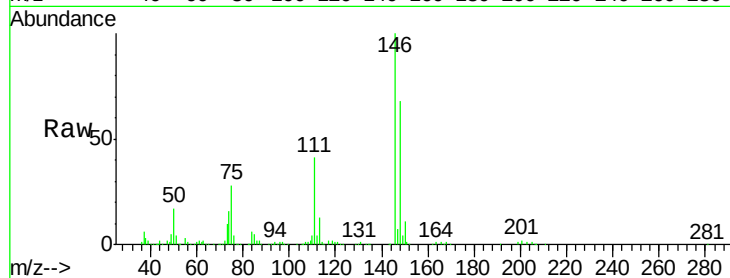
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	212131
Ion Ratio	Lower	Upper	
146	100		
111	41.3	22.0	66.0
148	67.6	33.1	99.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 57.113 ug/l

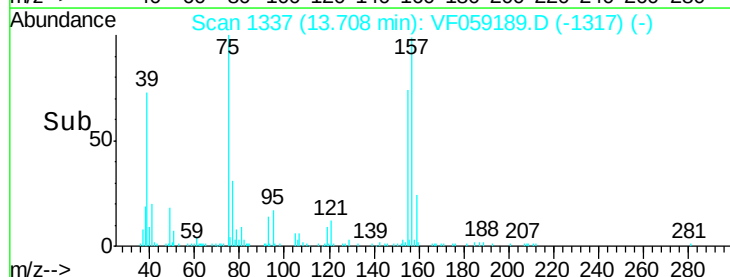
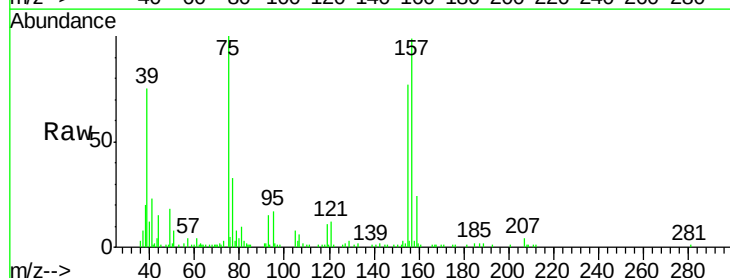
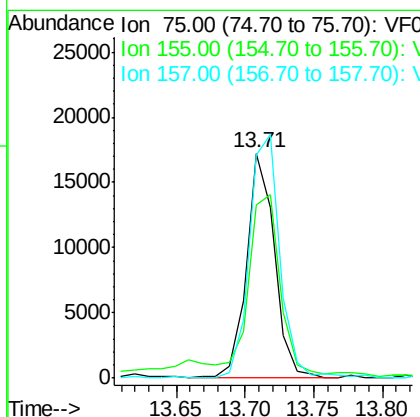
RT: 13.71 min Scan# 1337

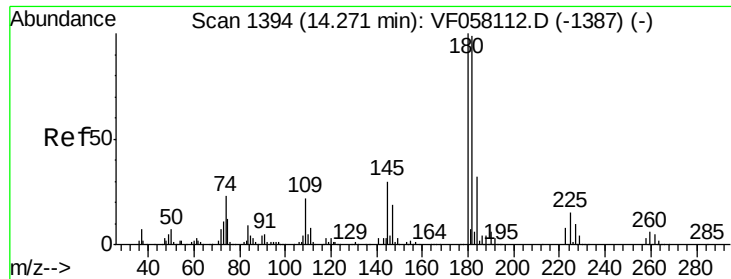
Delta R.T. -0.00 min

Lab File: VF059189.D

Acq: 18 Jun 2018 21:30

Tgt Ion:	75	Resp:	24625
Ion Ratio	Lower	Upper	
75	100		
155	77.0	38.0	114.0
157	99.1	45.1	135.5





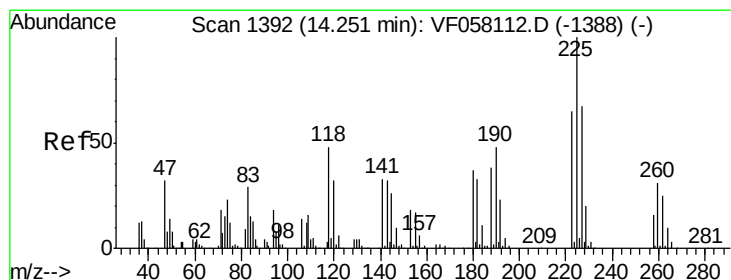
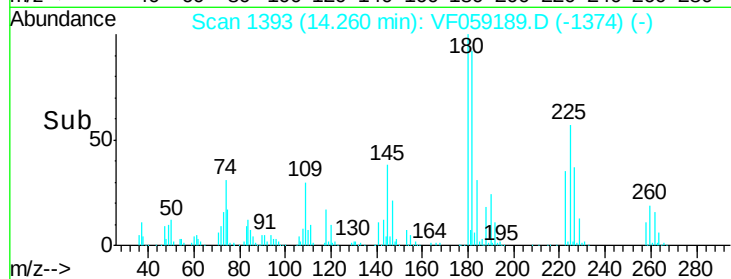
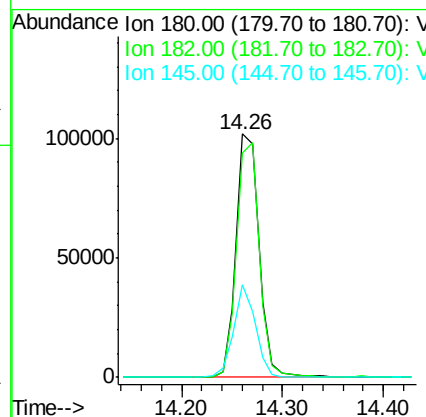
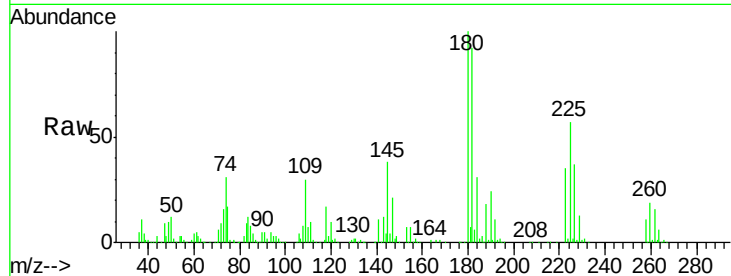
#93
 1,2,4-Trichlorobenzene
 Concen: 55.465 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	161001
Ion Ratio	Lower	Upper	
180	100		
182	92.2	49.3	147.9
145	37.9	14.9	44.9

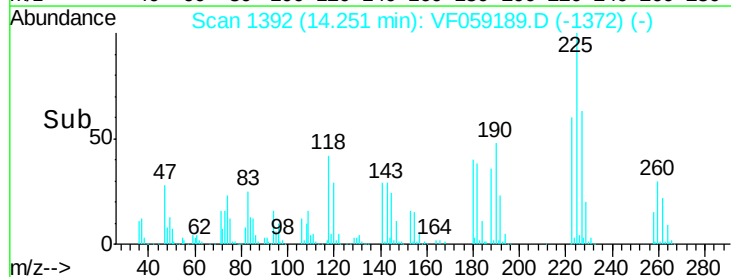
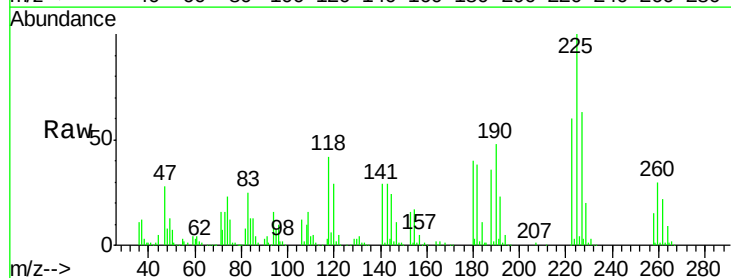
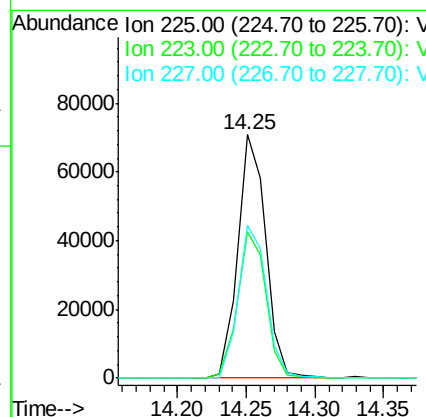
Manual Integrations
 APPROVED

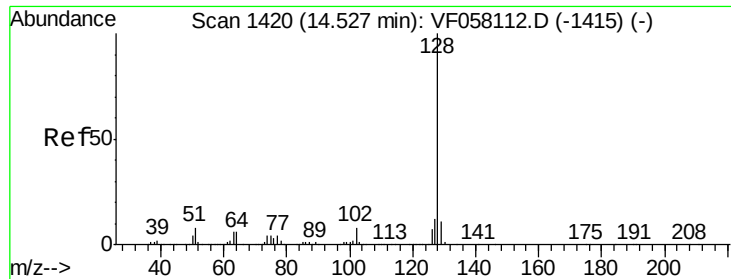
apatel
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#94
 Hexachlorobutadiene
 Concen: 59.587 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059189.D
 Acq: 18 Jun 2018 21:30

Tgt Ion:	225	Resp:	100092
Ion Ratio	Lower	Upper	
225	100		
223	60.2	32.8	98.3
227	62.8	33.3	99.9





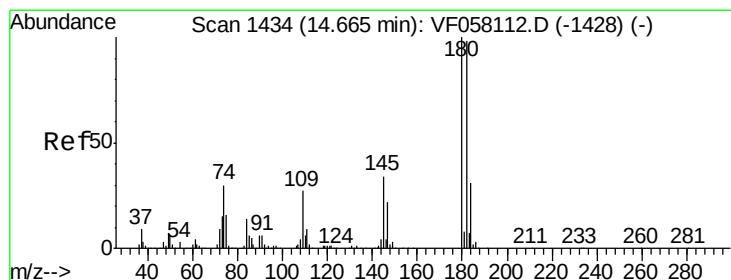
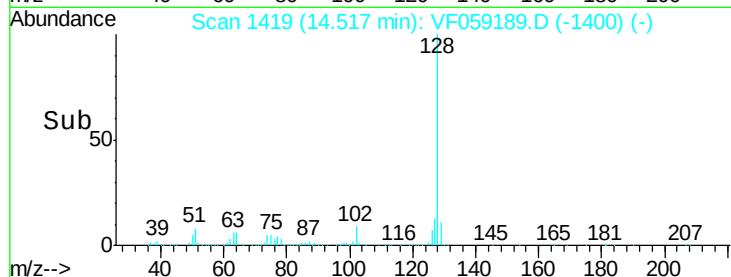
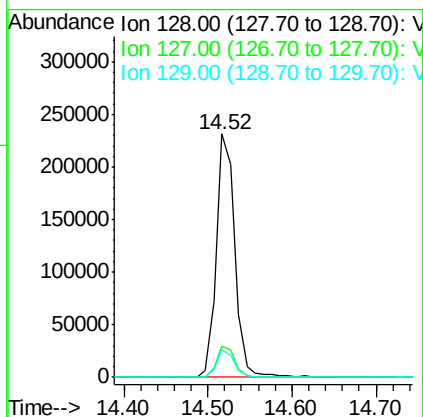
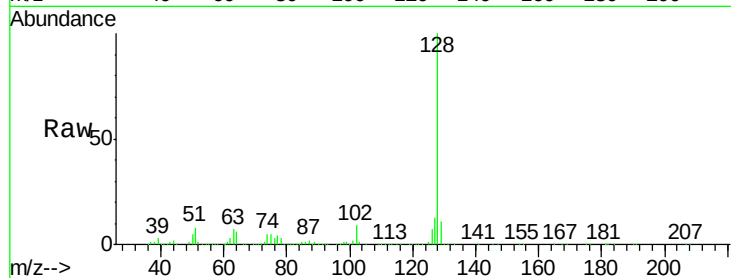
#95
Naphthalene
Concen: 57.290 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	355207		
127	13.0		9.9	14.9
129	11.0		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.123 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059189.D
Acq: 18 Jun 2018 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	153228		
182	98.0		48.9	146.6
145	33.5		17.3	51.7

