

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061818\
 Data File : VF059171.D
 Acq On : 18 Jun 2018 13:10
 Operator : VA/AP
 Sample : VF0618SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

Manual Integrations
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 6/19/2018 3:33:36 PM

Quant Time: Jun 19 03:45:08 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	268592	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	416858	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	416341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	250462	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	186953	57.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.78%	
35) Dibromofluoromethane	4.28	113	156843	53.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.24%	
50) Toluene-d8	7.71	98	427580	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.50	95	228145	51.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	62532	20.570	ug/l	98
3) Chloromethane	1.08	50	40826	17.338	ug/l	97
4) Vinyl Chloride	1.15	62	37144	17.484	ug/l	90
5) Bromomethane	1.34	94	24475	19.772	ug/l	91
6) Chloroethane	1.43	64	18181	20.625	ug/l	100
7) Trichlorofluoromethane	1.49	101	71868m	21.763	ug/l	
8) Diethyl Ether	1.70	74	17408	20.952	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39100	18.578	ug/l #	88
10) Methyl Iodide	1.96	142	69793	18.952	ug/l	93
11) Tert butyl alcohol	2.69	59	24599	117.859	ug/l #	94
12) 1,1-Dichloroethene	1.85	96	32965	18.627	ug/l	78
13) Acrolein	2.09	56	13741	76.063	ug/l #	70
14) Allyl chloride	2.18	41	65603	18.886	ug/l	95
15) Acrylonitrile	3.07	53	43204	104.225	ug/l	96
16) Acetone	2.33	43	95478	122.762	ug/l	94
17) Carbon Disulfide	1.84	76	83629	16.830	ug/l	95
18) Methyl Acetate	2.44	43	32870m	24.585	ug/l	
19) Methyl tert-butyl Ether	2.53	73	121779	22.166	ug/l	98
20) Methylene Chloride	2.27	84	41357m	22.208	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	36883	19.003	ug/l	97
22) Diisopropyl ether	2.91	45	145925	21.371	ug/l	99
23) Vinyl Acetate	3.33	43	498817	110.795	ug/l	96
24) 1,1-Dichloroethane	2.99	63	86567	20.912	ug/l	99
25) 2-Butanone	4.50	43	129407	107.322	ug/l	98
26) 2,2-Dichloropropane	3.75	77	62703	20.878	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	56088	18.776	ug/l	94
28) Bromochloromethane	3.88	49	40720	21.854	ug/l #	94
29) Tetrahydrofuran	4.25	42	59244	111.508	ug/l	98
30) Chloroform	4.03	83	124161	20.966	ug/l	98
31) Cyclohexane	3.85	56	61537	17.017	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	96101	21.737	ug/l	99
36) 1,1-Dichloropropene	4.44	75	82727	20.474	ug/l	93
37) Ethyl Acetate	4.27	43	58700	23.512	ug/l	97
38) Carbon Tetrachloride	4.17	117	98228m	22.431	ug/l	

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 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)
39) Methylcyclohexane	5.61	83	78609	19.086	ug/l	100
40) Benzene	4.80	78	178427	19.025	ug/l	99
41) Methacrylonitrile	4.91	41	29591	24.125	ug/l #	89
42) 1,2-Dichloroethane	5.11	62	98376	23.388	ug/l	98
43) Isopropyl Acetate	7.10	43	74837	22.382	ug/l #	96
44) Trichloroethene	5.66	130	63946	21.821	ug/l	90
45) 1,2-Dichloropropane	6.39	63	54055	19.989	ug/l	97
46) Dibromomethane	6.25	93	44259	21.753	ug/l	93
47) Bromodichloromethane	6.54	83	103727	22.410	ug/l #	97
48) Methyl methacrylate	6.87	41	45432	22.041	ug/l	89
49) 1,4-Dioxane	6.86	88	5026	319.714	ug/l #	72
51) 4-Methyl-2-Pentanone	8.40	43	268147	117.008	ug/l	99
52) Toluene	7.77	92	129790	19.214	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	98993	22.084	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	112921	21.929	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	51459	21.022	ug/l	96
56) Ethyl methacrylate	8.75	69	64498	20.903	ug/l #	85
57) 1,3-Dichloropropane	9.00	76	88632	21.166	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	22891	103.753	ug/l	100
59) 2-Hexanone	9.63	43	220210	121.481	ug/l	95
60) Dibromochloromethane	8.86	129	81232	23.093	ug/l	89
61) 1,2-Dibromoethane	9.12	107	60480	21.263	ug/l	96
64) Tetrachloroethene	8.30	164	61526	20.148	ug/l	97
65) Chlorobenzene	9.93	112	169762	20.591	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	73741	22.485	ug/l	97
67) Ethyl Benzene	10.03	91	304031	21.223	ug/l	99
68) m/p-Xylenes	10.26	106	213420	39.792	ug/l	90
69) o-Xylene	10.82	106	116568	20.110	ug/l	89
70) Styrene	10.90	104	169462	19.322	ug/l	98
71) Bromoform	10.88	173	51910	23.307	ug/l #	97
73) Isopropylbenzene	11.22	105	352573	20.332	ug/l	98
74) N-amyl acetate	11.46	43	127698	20.615	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	83562	20.326	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	63960	21.065	ug/l	93
77) Bromobenzene	11.59	156	92213	21.130	ug/l	85
78) n-propylbenzene	11.69	91	404773	19.721	ug/l	97
79) 2-Chlorotoluene	11.81	91	243252	20.061	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	300107	20.910	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	39001	19.812	ug/l #	86
82) 4-Chlorotoluene	11.98	91	263808	20.436	ug/l	95
83) tert-Butylbenzene	12.21	119	307699	21.592	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	311617	20.955	ug/l	90
85) sec-Butylbenzene	12.39	105	391839	20.235	ug/l	98
86) p-Isopropyltoluene	12.54	119	337278	21.206	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	159886	19.843	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	161958	20.858	ug/l	100
89) n-Butylbenzene	12.91	91	339414	18.634	ug/l	94
90) Hexachloroethane	12.99	117	80998	20.680	ug/l	90
91) 1,2-Dichlorobenzene	13.02	146	167503	21.580	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	18520	22.966	ug/l	96

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ClientSampleId :
VF0618SBSD01

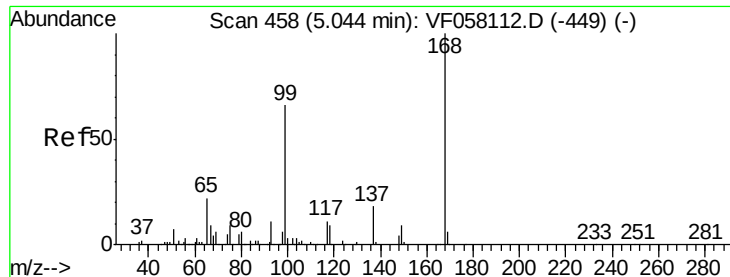
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	120788	22.248	ug/l	95
94) Hexachlorobutadiene	14.25	225	68319	21.746	ug/l	98
95) Naphthalene	14.52	128	257868	22.237	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	114425	22.807	ug/l	98

(#) = 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: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion:168 Resp: 268592

Ion Ratio Lower Upper

168 100

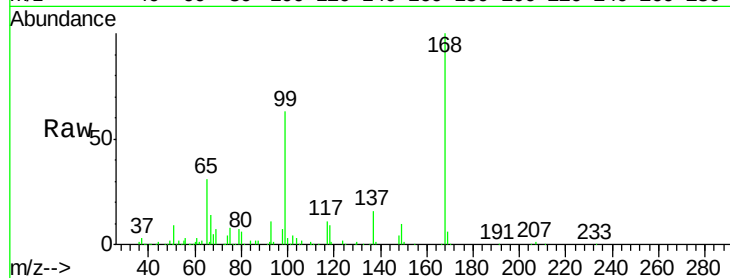
99 62.8 52.9 79.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

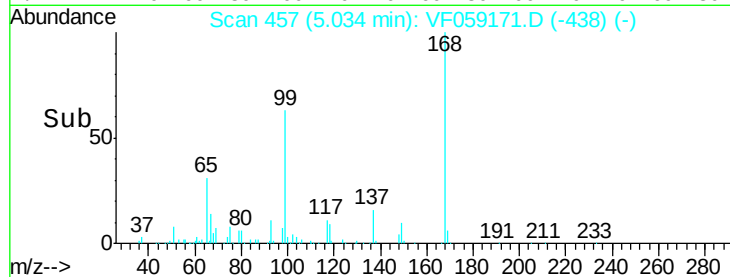
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40000

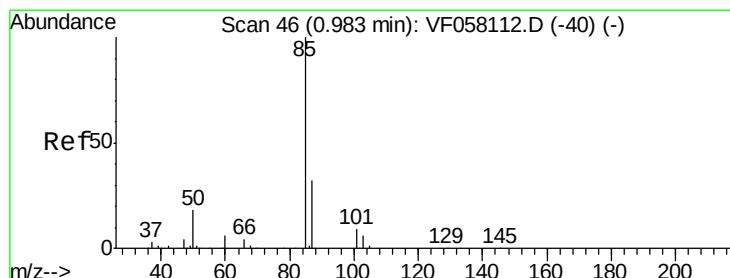
20000

0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 20.570 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059171.D

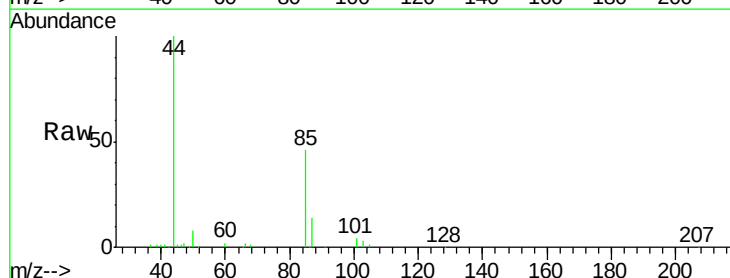
Acq: 18 Jun 2018 13:10

Tgt Ion: 85 Resp: 62532

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

20000

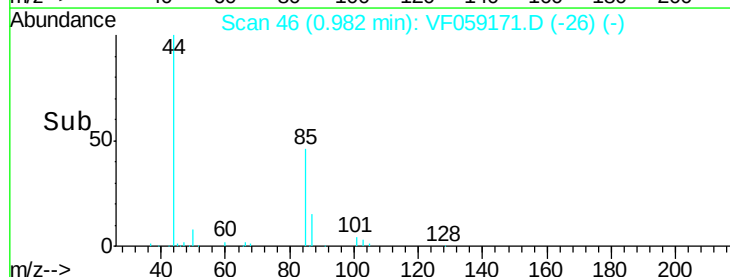
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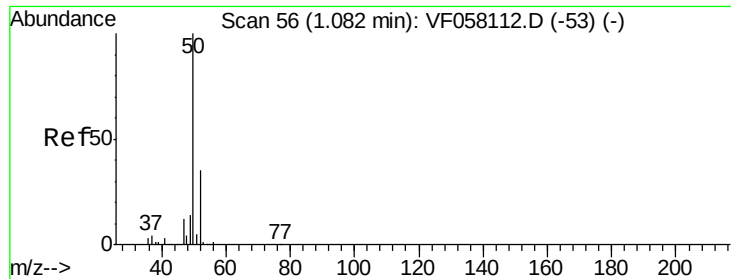
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.338 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBSD01

Tot Ion: 50 Resp: 40826

Ion Ratio Lower Upper

50 100

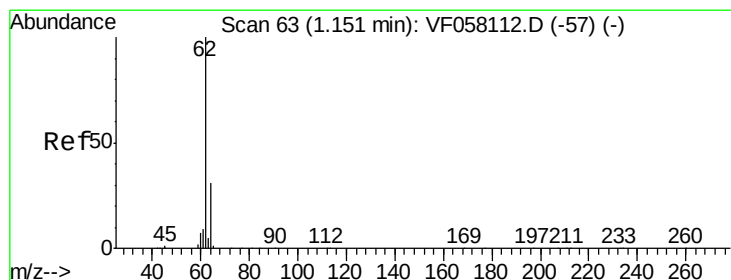
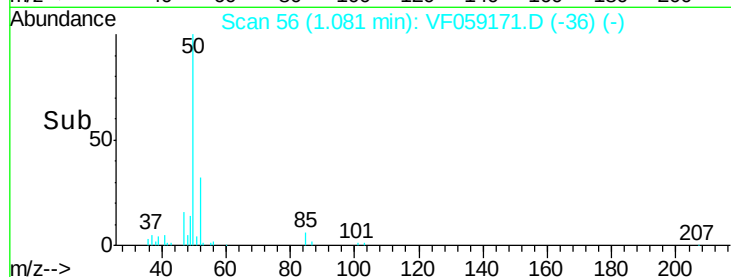
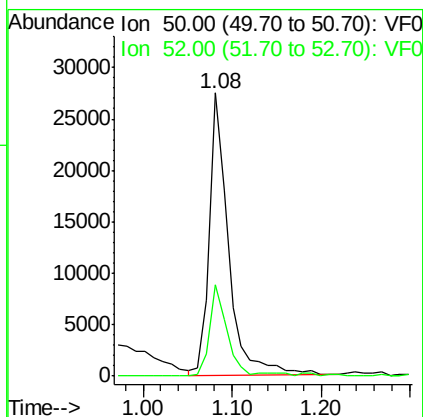
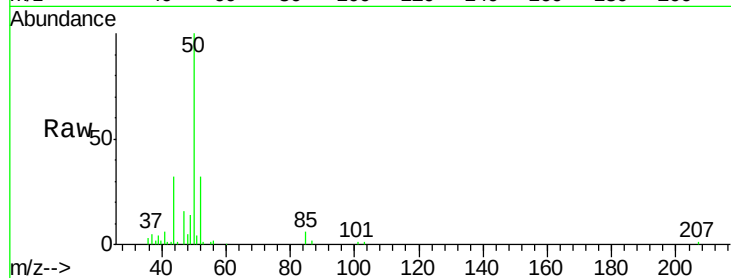
52 32.3 27.3 40.9

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#4

Vinyl Chloride

Concen: 17.484 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059171.D

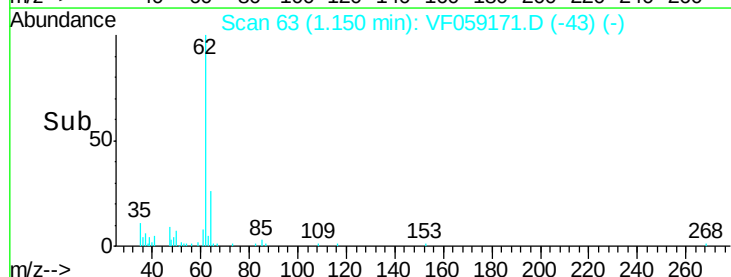
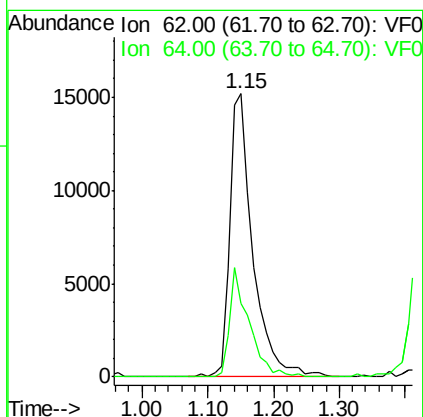
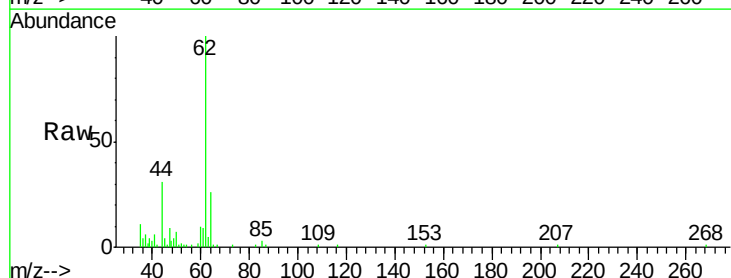
Acq: 18 Jun 2018 13:10

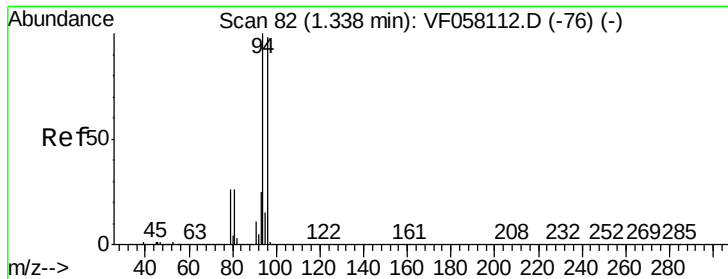
Tgt Ion: 62 Resp: 37144

Ion Ratio Lower Upper

62 100

64 26.0 25.0 37.6





#5

Bromomethane

Concen: 19.772 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion: 94 Resp: 24475

Ion Ratio Lower Upper

94 100

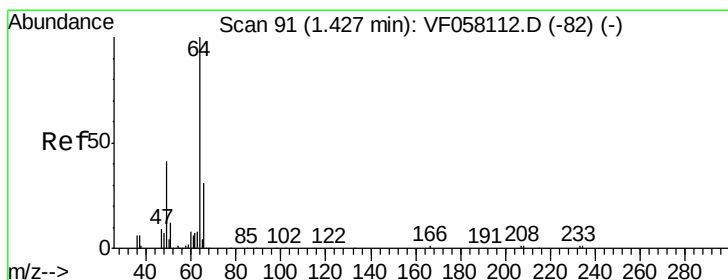
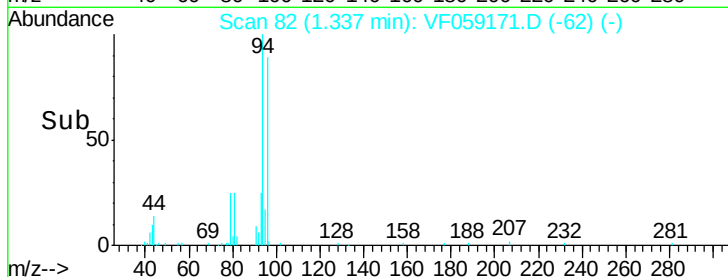
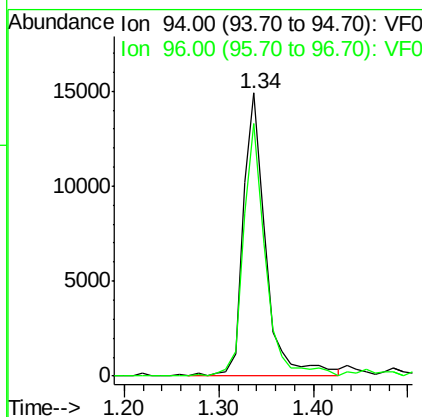
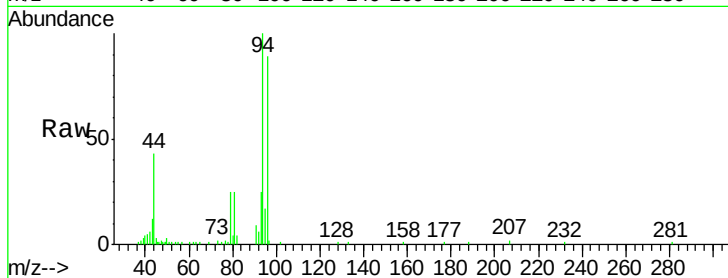
96 89.3 78.6 117.8

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#6

Chloroethane

Concen: 20.625 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059171.D

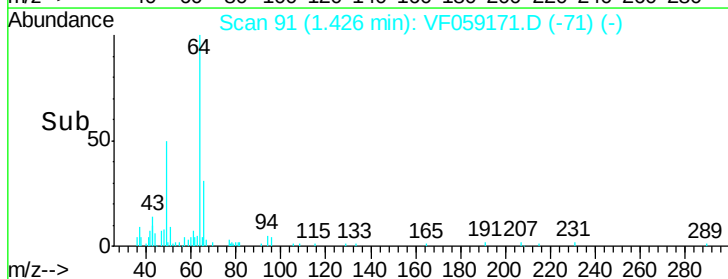
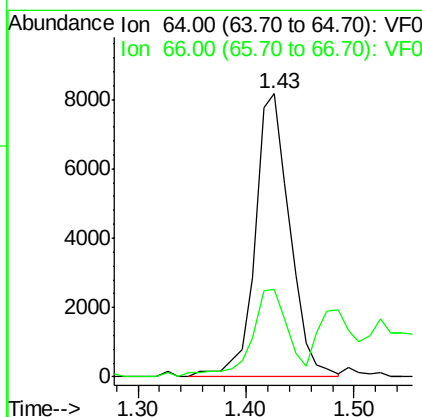
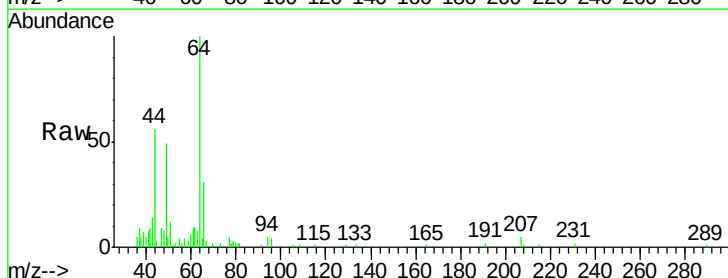
Acq: 18 Jun 2018 13:10

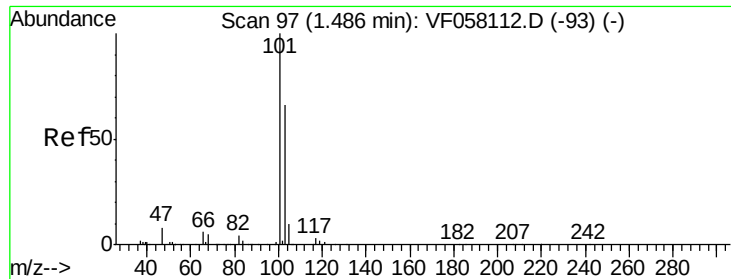
Tgt Ion: 64 Resp: 18181

Ion Ratio Lower Upper

64 100

66 31.0 24.9 37.3





#7

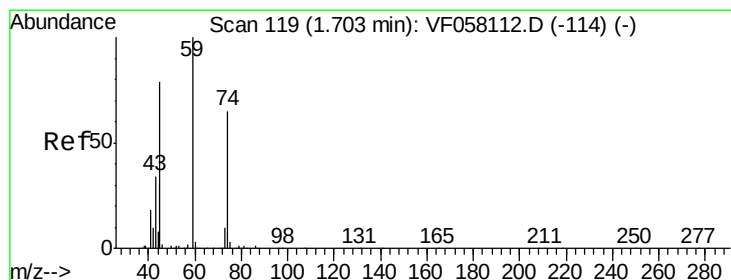
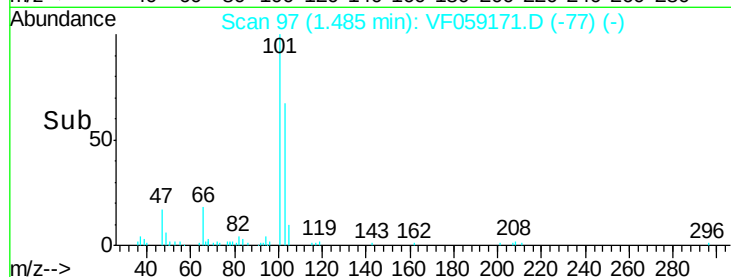
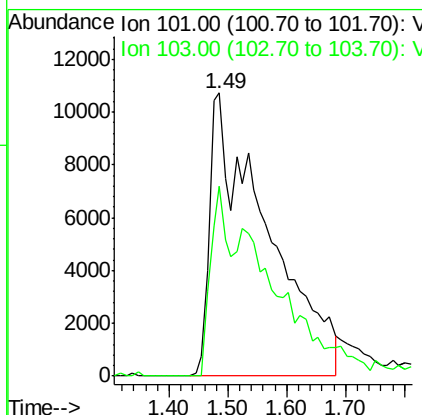
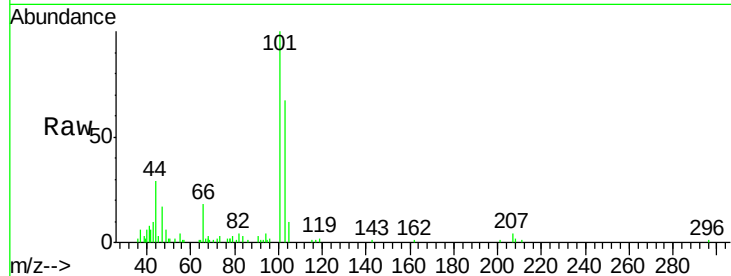
Trichlorofluoromethane
Concen: 21.763 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	53.4	80.2

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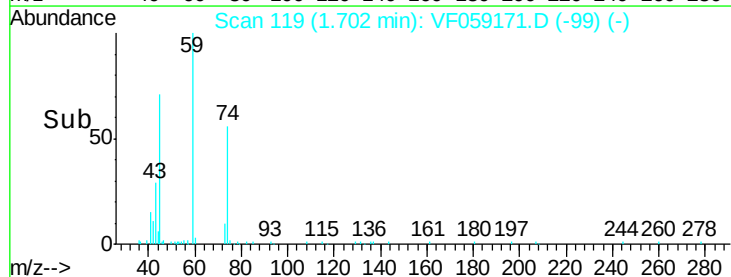
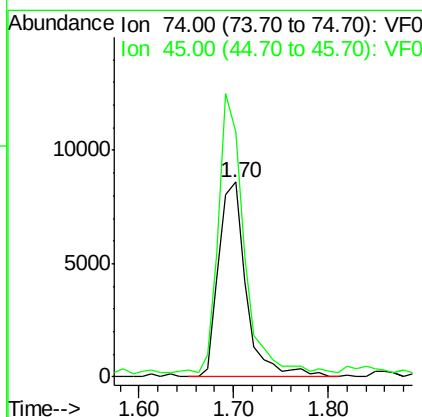
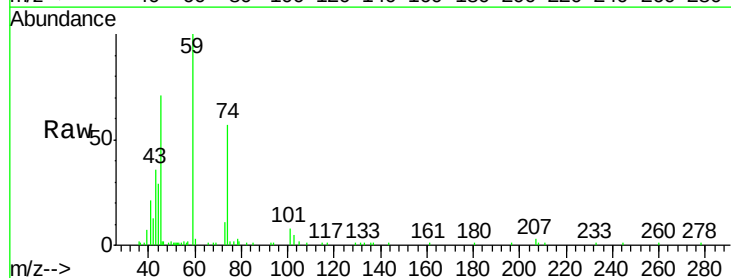
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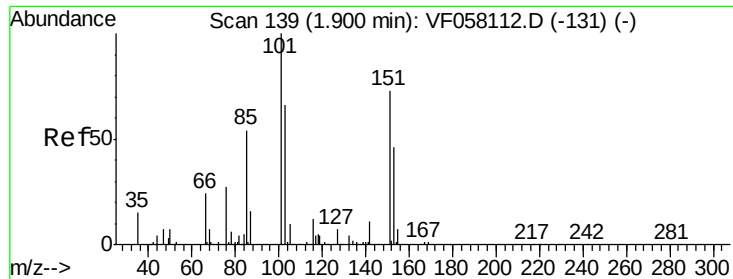


#8

Diethyl Ether
Concen: 20.952 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.9	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.578 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

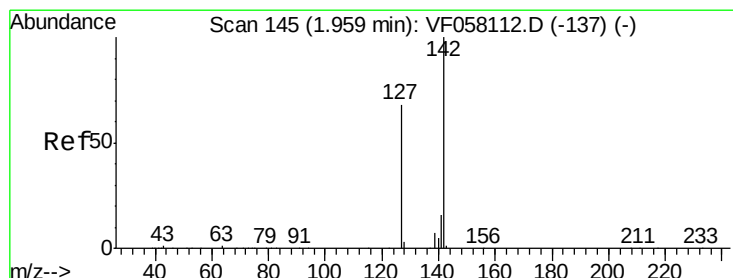
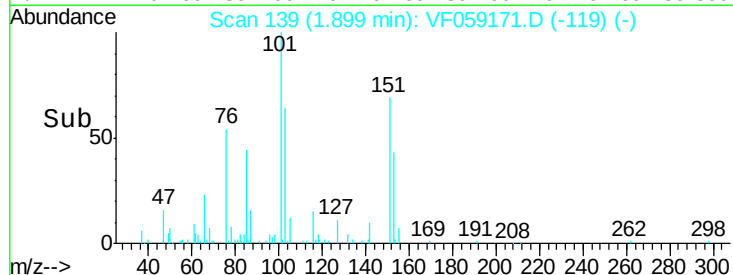
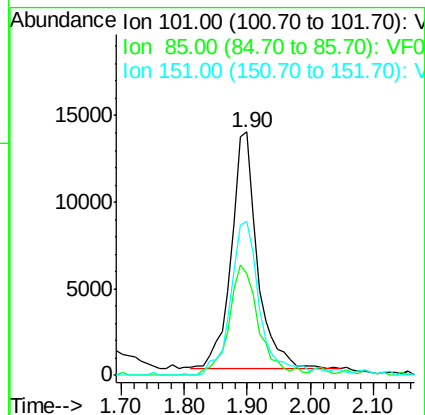
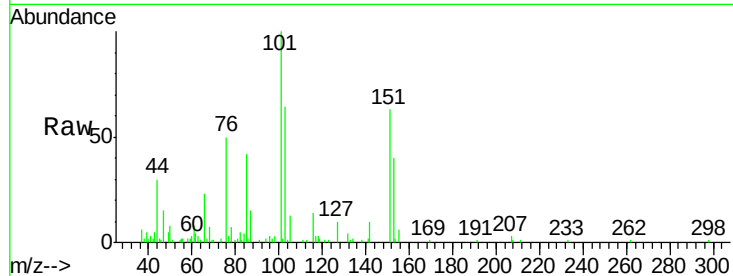
ClientSampleId :

VF0618SBS01

Tot Ion:	101	Resp:	39100
Ion Ratio	Lower	Upper	
101	100		
85	41.7	42.2	63.4#
151	63.2	56.8	85.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.952 ug/l

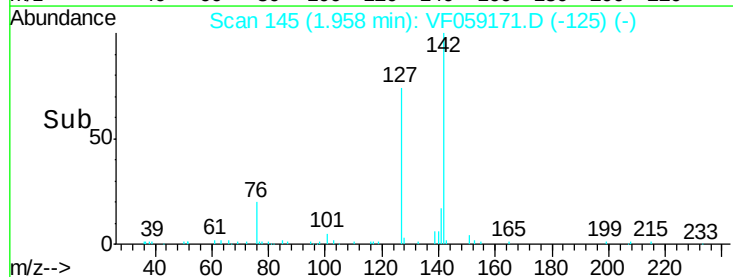
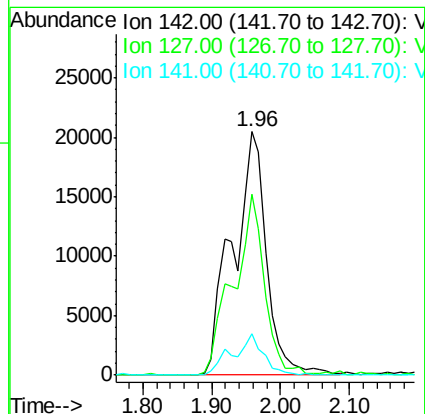
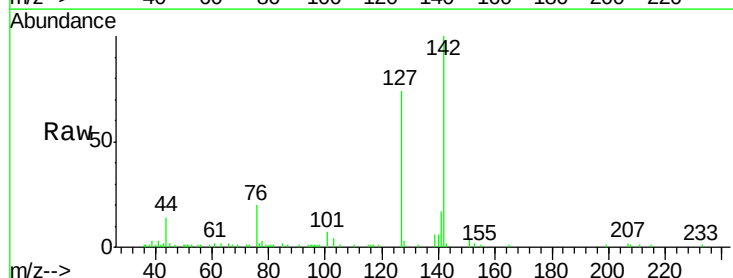
RT: 1.96 min Scan# 145

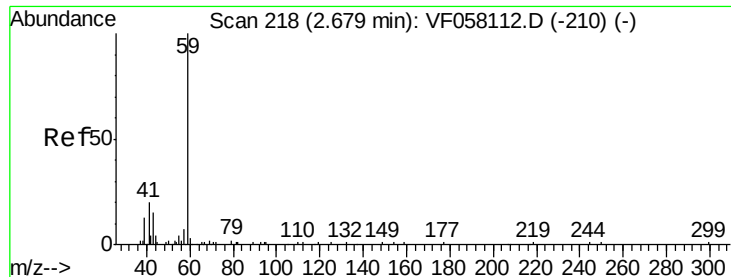
Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	142	Resp:	69793
Ion Ratio	Lower	Upper	
142	100		
127	74.1	54.1	81.1
141	17.1	13.0	19.4





#11

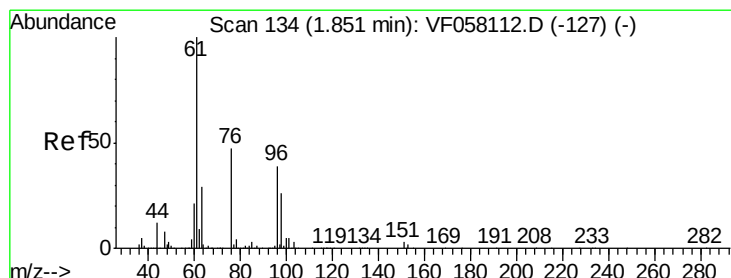
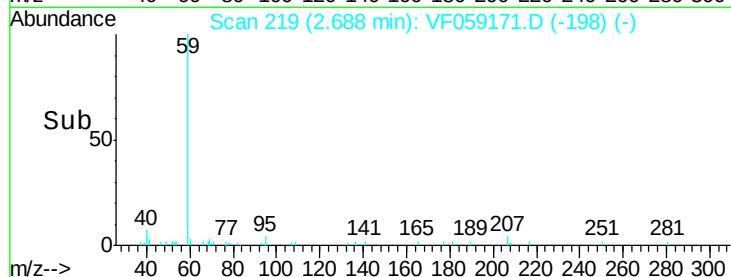
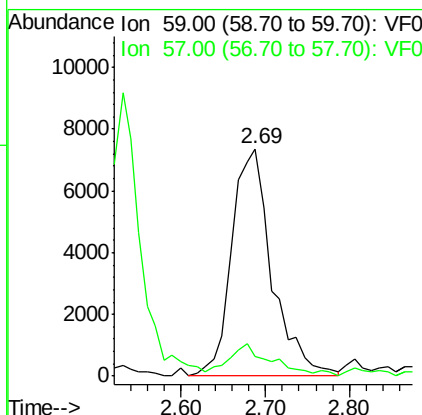
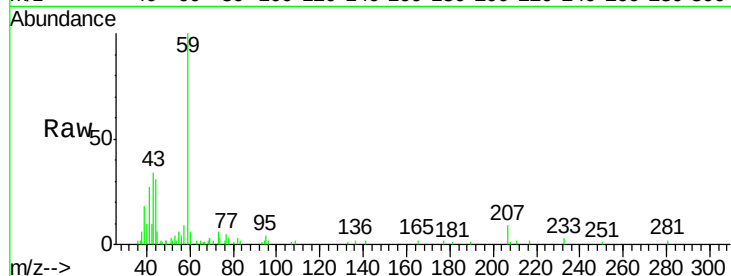
Tert butyl alcohol
 Concen: 117.859 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

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

Manual Integrations
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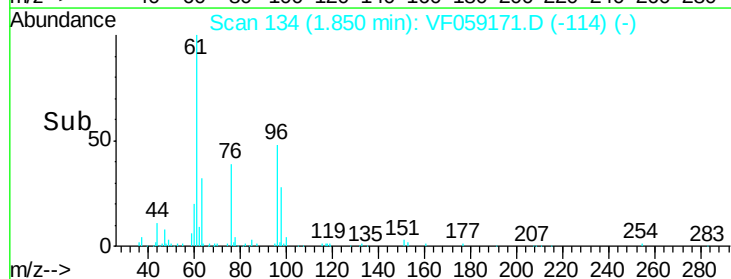
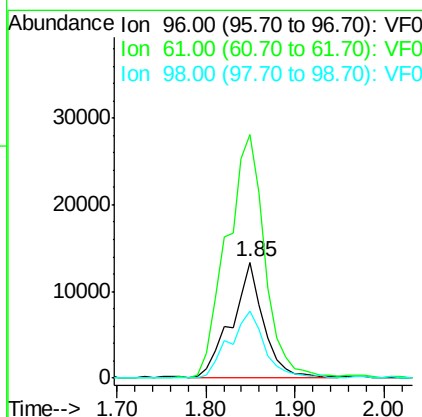
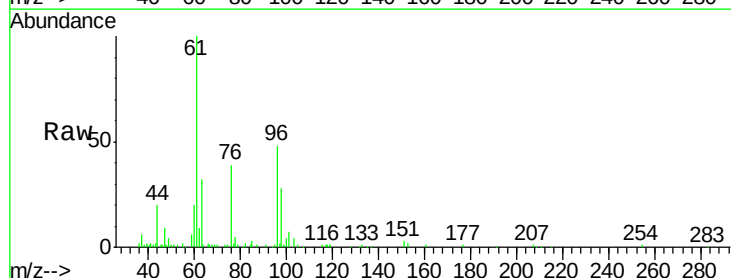
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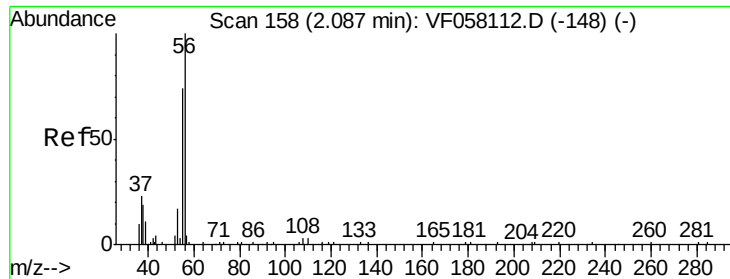


#12

1,1-Dichloroethene
 Concen: 18.627 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	210.0	203.0	304.4
98	58.0	52.7	79.1





#13

Acrolein

Concen: 76.063 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion: 56 Resp: 13741

Ion Ratio Lower Upper

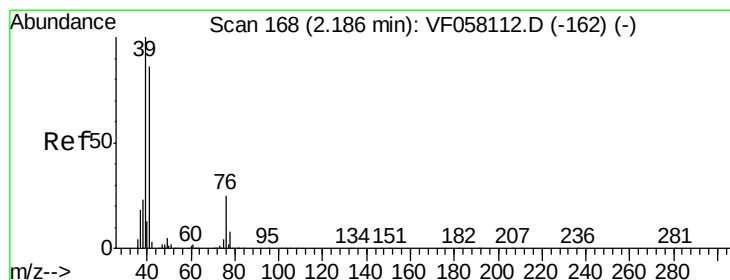
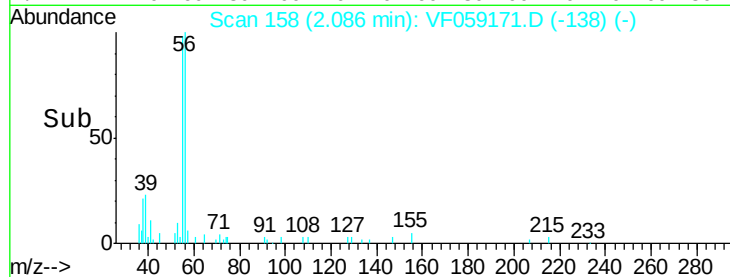
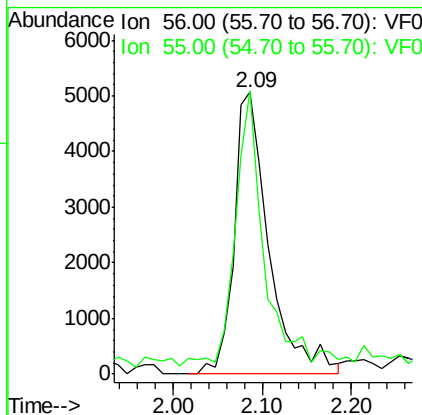
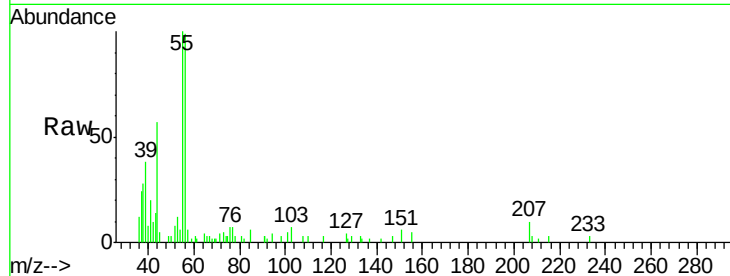
56 100

55 100.5 60.0 90.0#

Manual Integrations
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#14

Allyl chloride

Concen: 18.886 ug/l

RT: 2.18 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

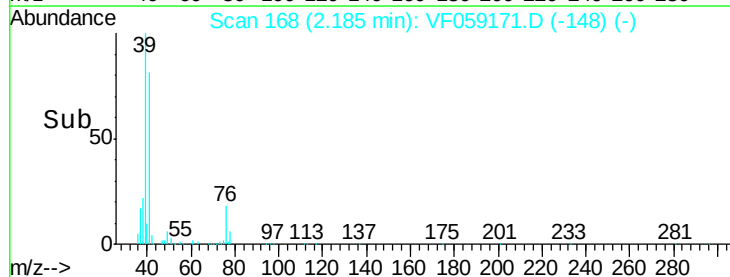
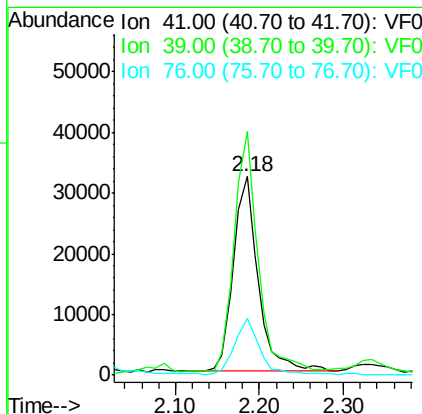
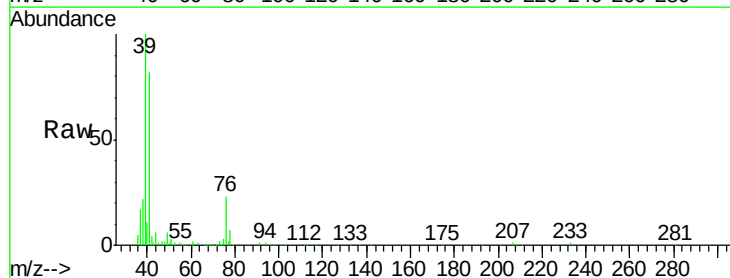
Tgt Ion: 41 Resp: 65603

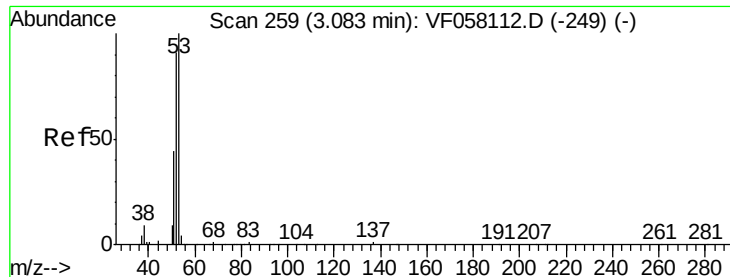
Ion Ratio Lower Upper

41 100

39 122.5 93.5 140.3

76 28.4 23.9 35.9





#15

Acrylonitrile

Concen: 104.225 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

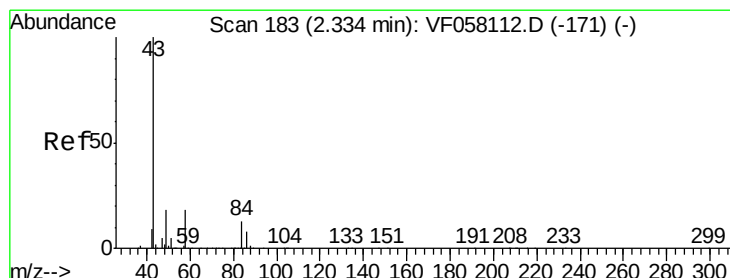
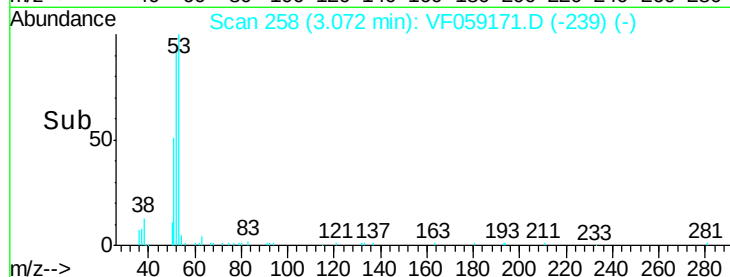
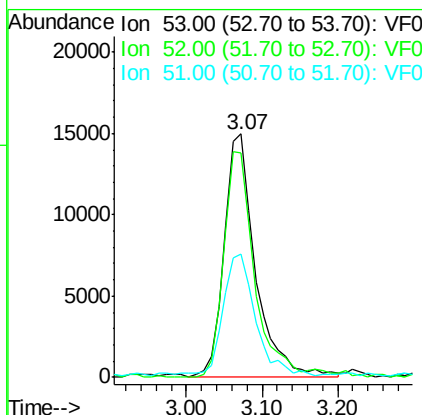
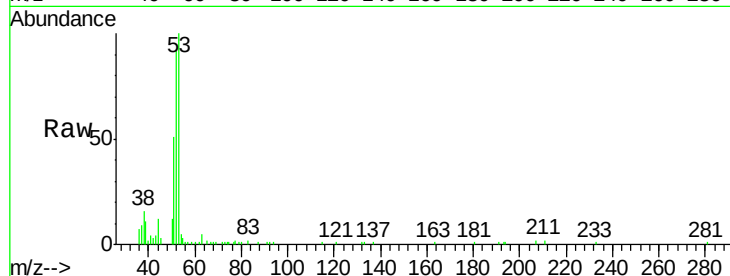
ClientSampleId :

VF0618SBS01

Tot Ion:	53	Resp:	43204
Ion	Ratio	Lower	Upper
53	100		
52	92.1	73.2	109.8
51	50.6	35.6	53.4

Manual Integrations
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#16

Acetone

Concen: 122.762 ug/l

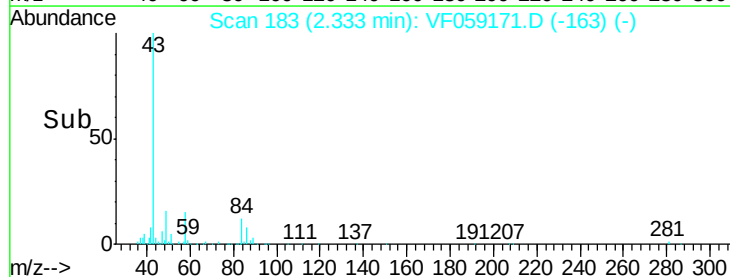
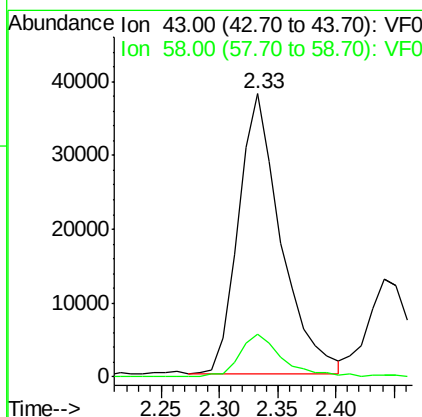
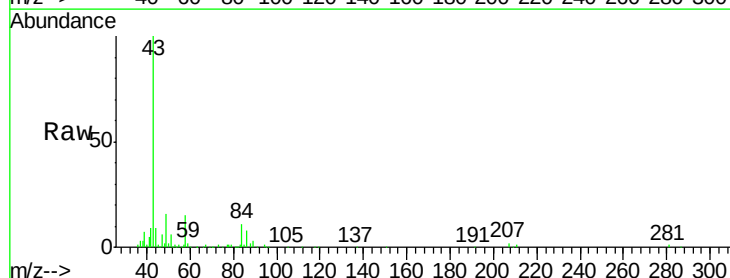
RT: 2.33 min Scan# 183

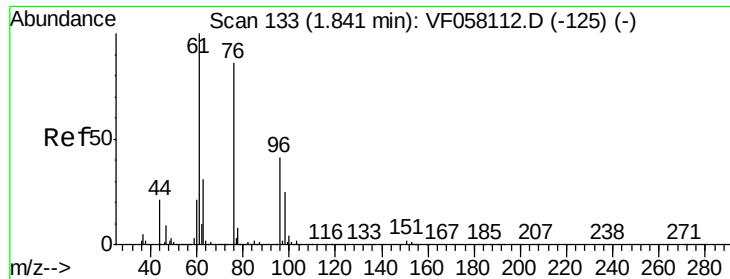
Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	43	Resp:	95478
Ion	Ratio	Lower	Upper
43	100		
58	15.1	14.4	21.6





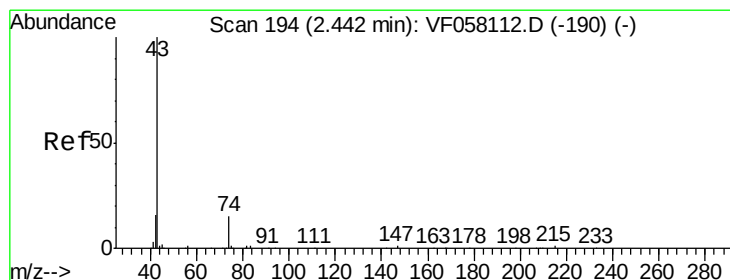
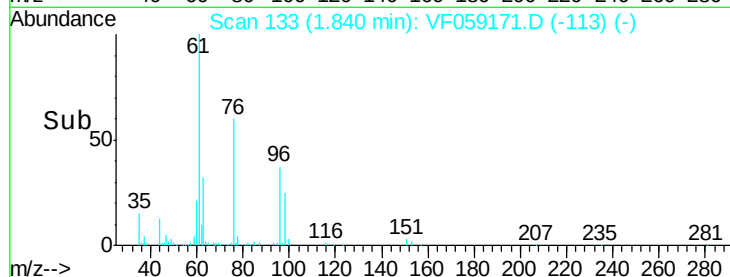
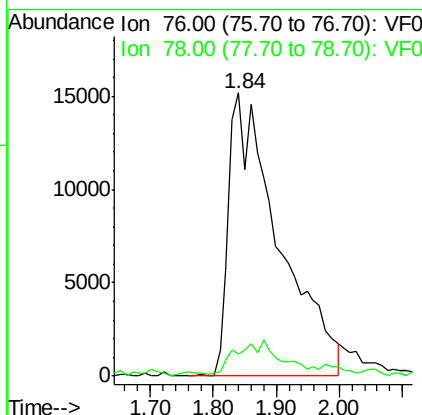
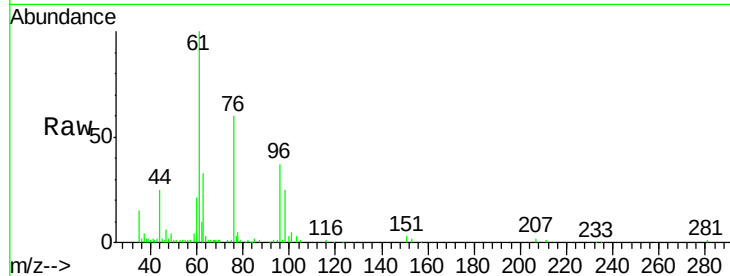
#17
Carbon Disulfide
Concen: 16.830 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.8	11.8

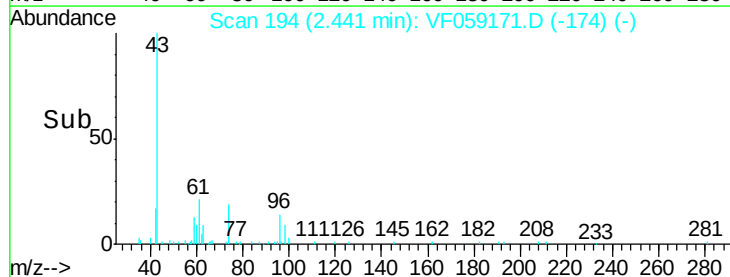
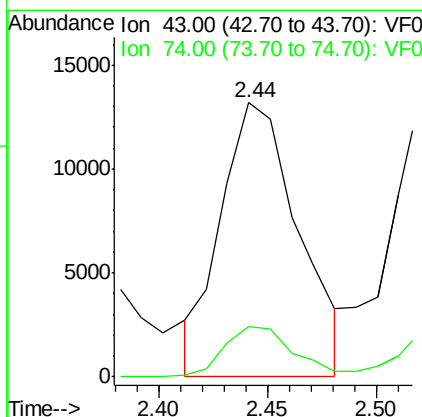
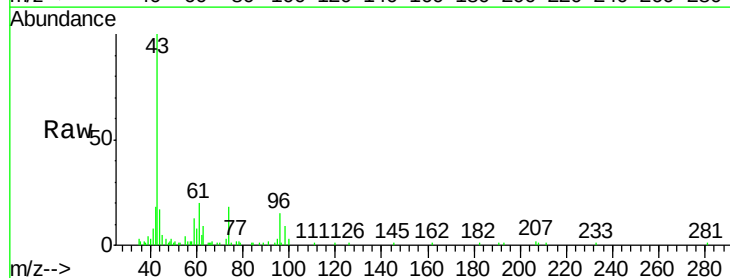
Manual Integrations
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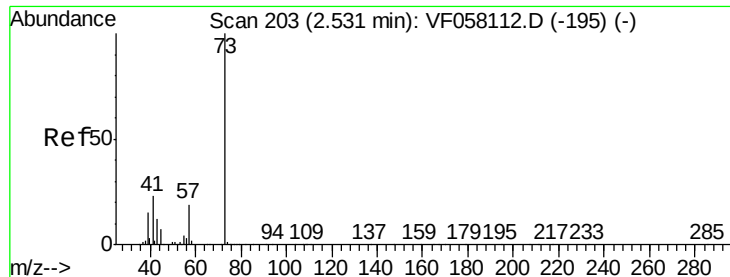
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#18
Methyl Acetate
Concen: 24.585 ug/l m
RT: 2.44 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.3	10.9	16.3#





#19

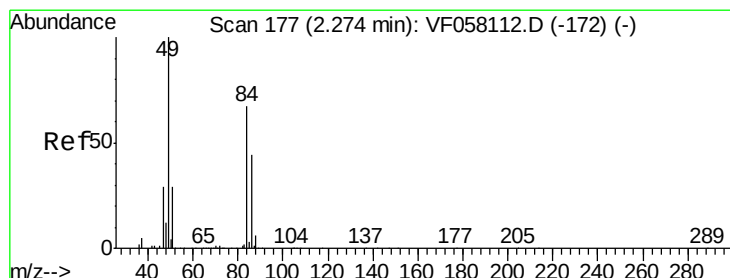
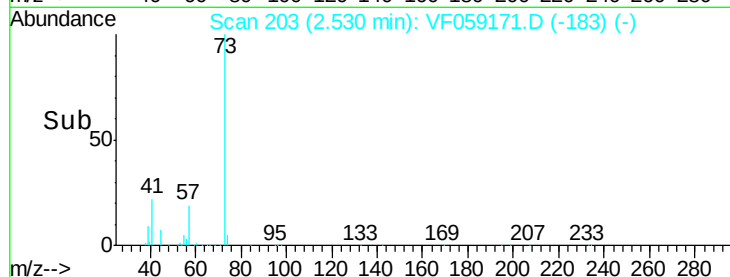
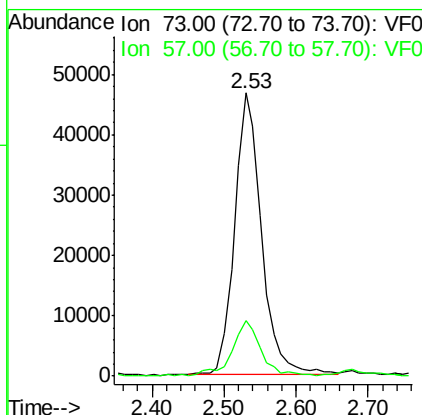
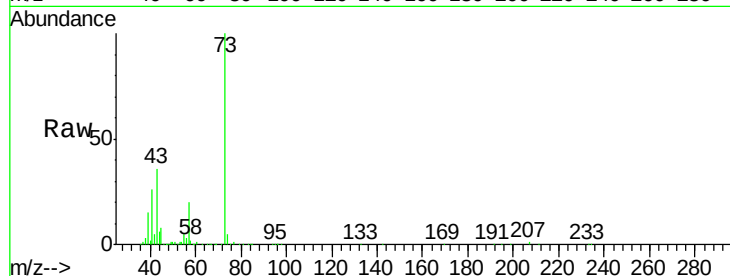
Methyl tert-butyl Ether
 Concen: 22.166 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0618SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	15.0	22.4

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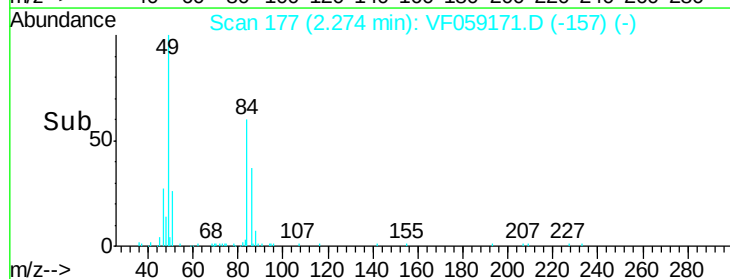
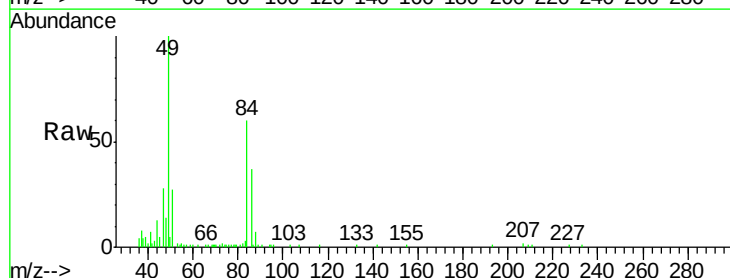
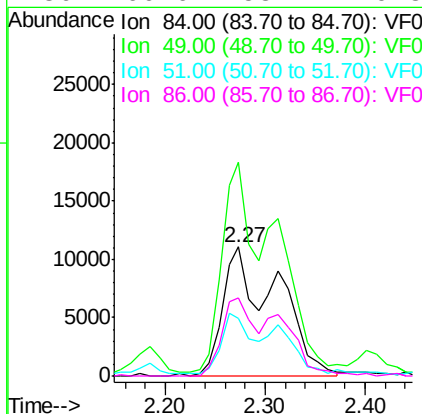
apatel
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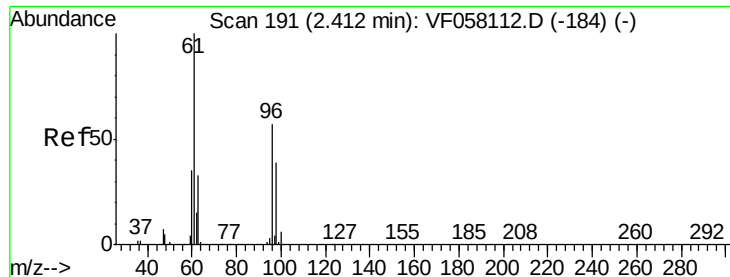


#20

Methylene Chloride
 Concen: 22.208 ug/l m
 RT: 2.27 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	165.7	121.0	181.4
51	45.1	35.8	53.6
86	60.6	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 19.003 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

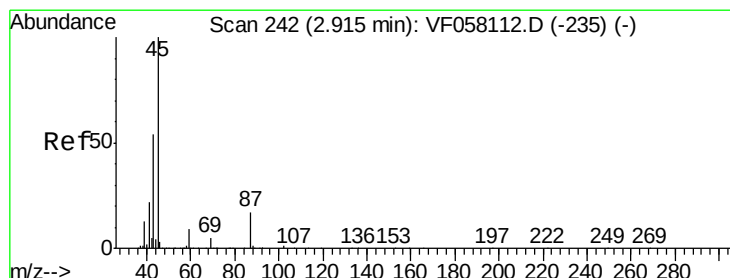
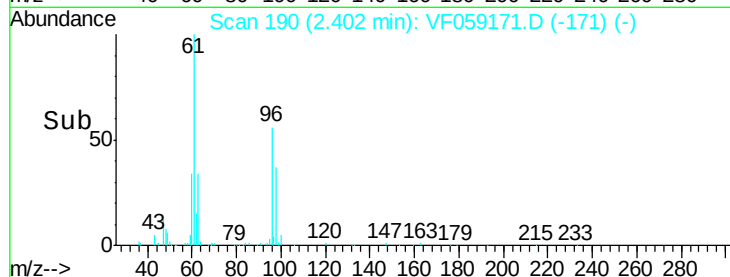
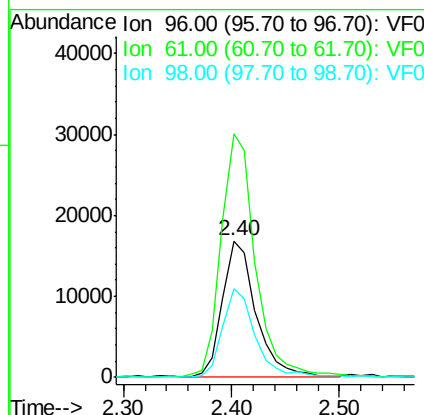
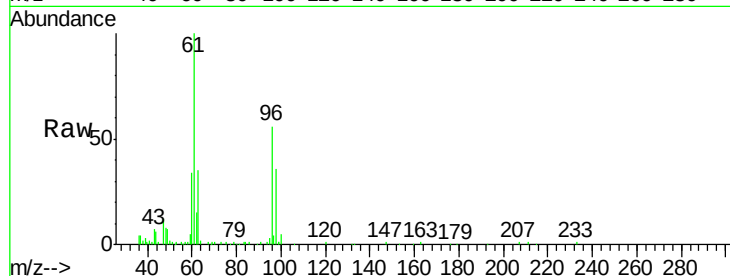
ClientSampleId :

VF0618SBS01

Tot Ion:	96	Resp:	36883
Ion	Ratio	Lower	Upper
96	100		
61	178.9	139.4	209.2
98	65.3	54.0	81.0

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#22

Diisopropyl ether

Concen: 21.371 ug/l

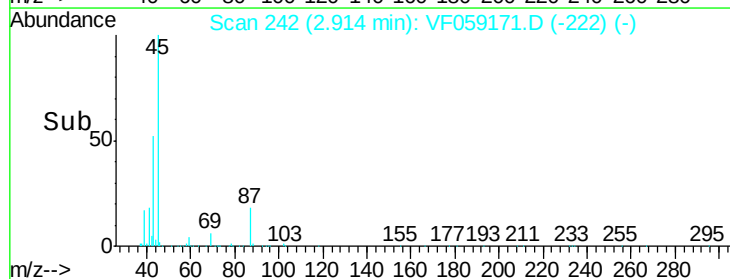
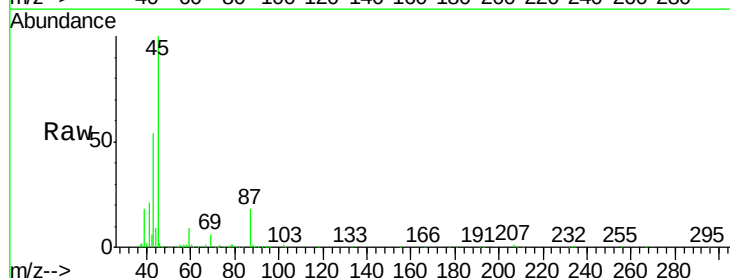
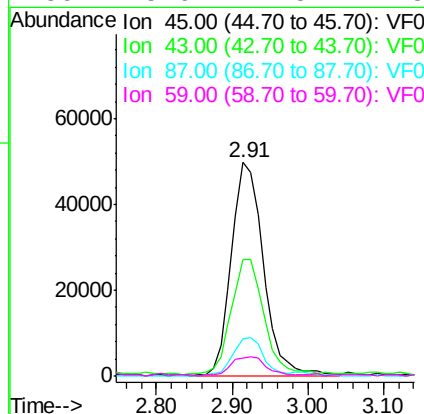
RT: 2.91 min Scan# 242

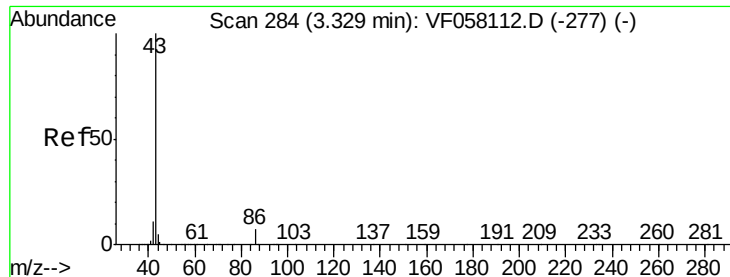
Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	45	Resp:	145925
Ion	Ratio	Lower	Upper
45	100		
43	54.4	43.2	64.8
87	17.6	13.8	20.6
59	8.6	7.5	11.3





#23

Vinyl Acetate

Concen: 110.795 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

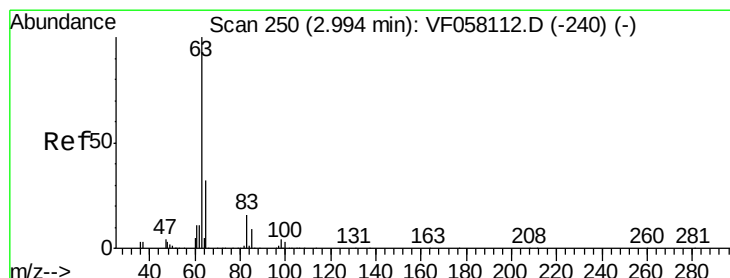
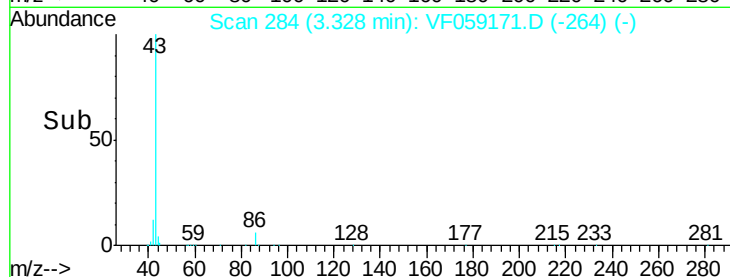
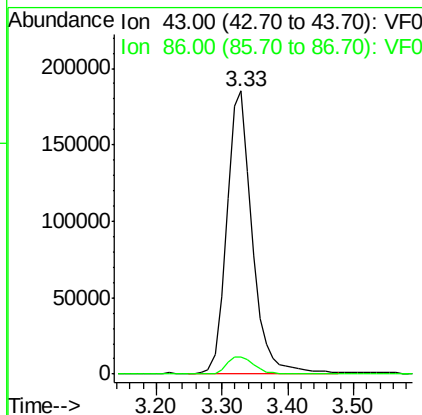
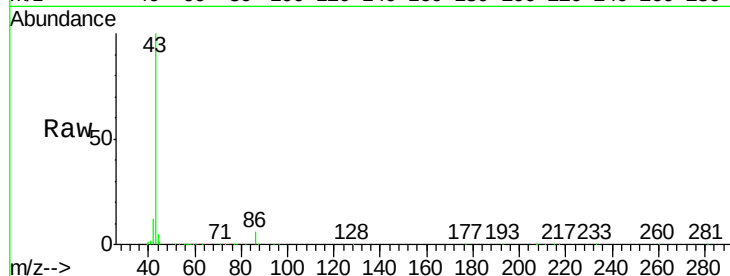
ClientSampleId :

VF0618SBS01

Tot Ion:	43	Resp:	498817
Ion Ratio	Lower	Upper	
43	100		
86	6.2	6.0	9.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.912 ug/l

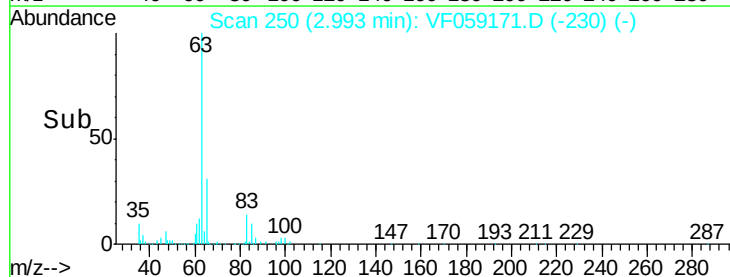
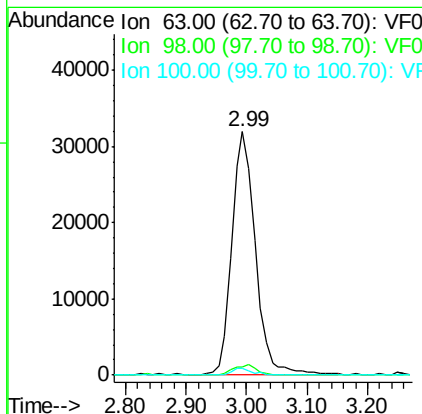
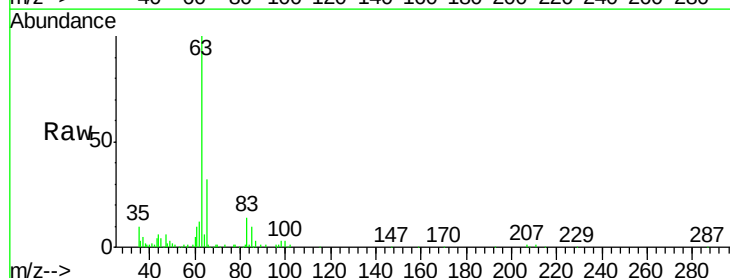
RT: 2.99 min Scan# 250

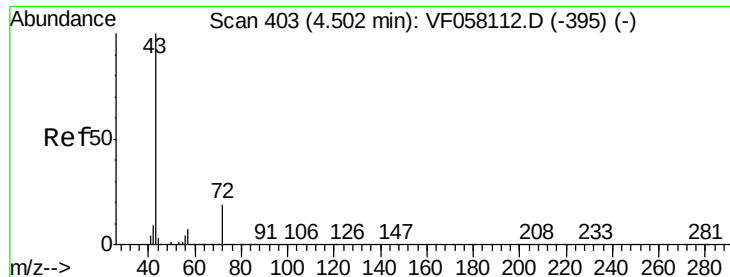
Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	63	Resp:	86567
Ion Ratio	Lower	Upper	
63	100		
98	3.4	2.0	6.0
100	2.6	1.4	4.0





#25

2-Butanone

Concen: 107.322 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion: 43 Resp: 129407

Ion Ratio Lower Upper

43 100

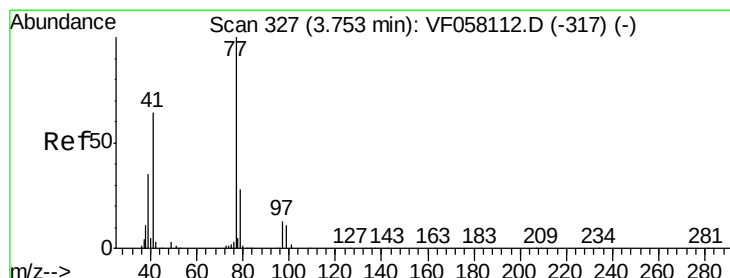
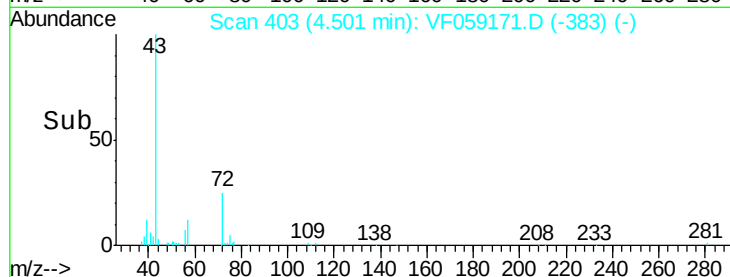
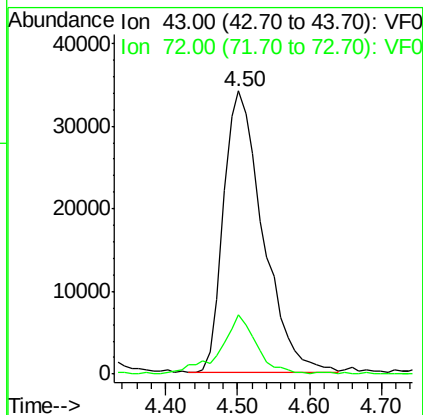
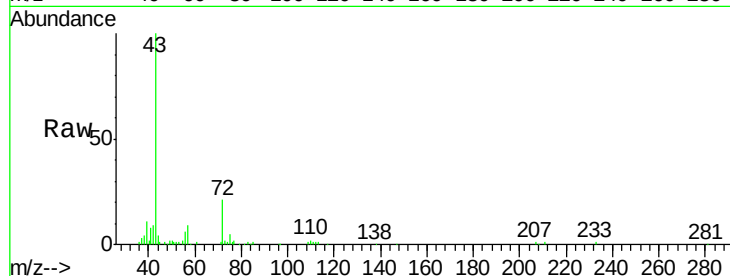
72 21.1 16.1 24.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.878 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059171.D

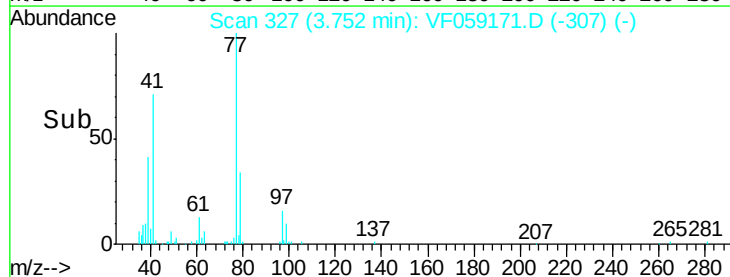
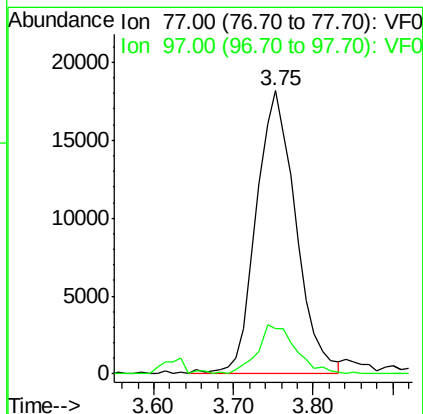
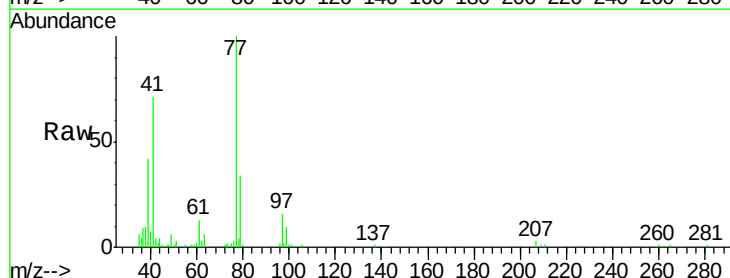
Acq: 18 Jun 2018 13:10

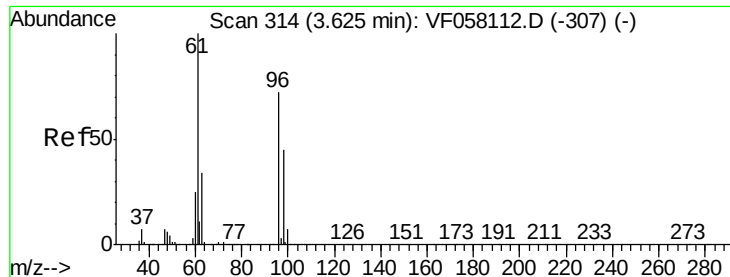
Tgt Ion: 77 Resp: 62703

Ion Ratio Lower Upper

77 100

97 16.2 7.2 21.6





#27

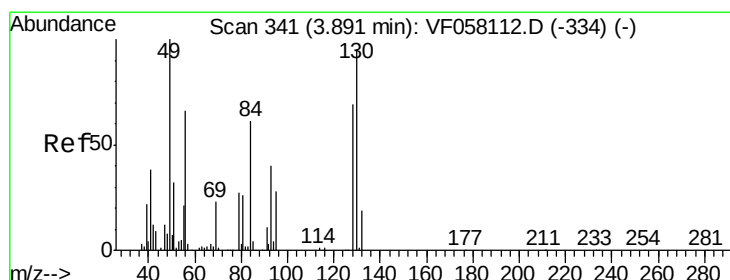
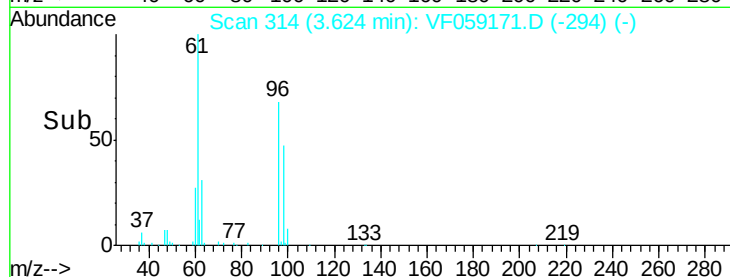
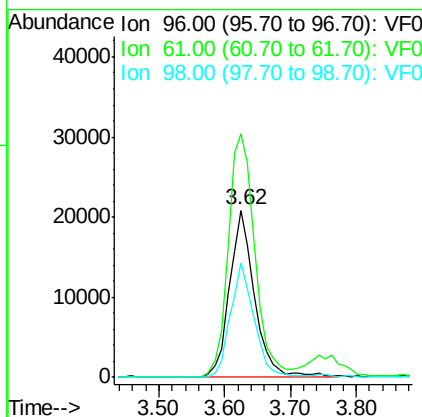
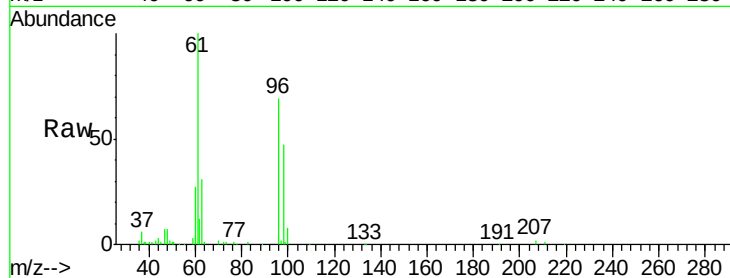
cis-1,2-Dichloroethene
Concen: 18.776 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	56088		
61	145.7		0.0	278.6
98	68.4		0.0	125.2

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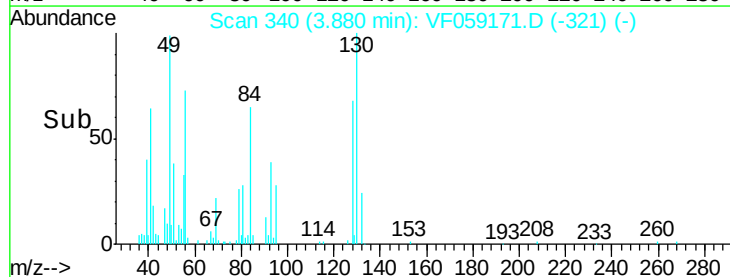
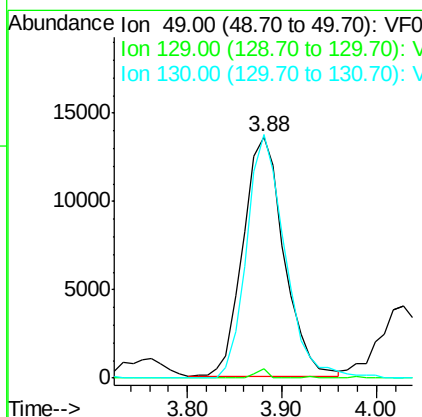
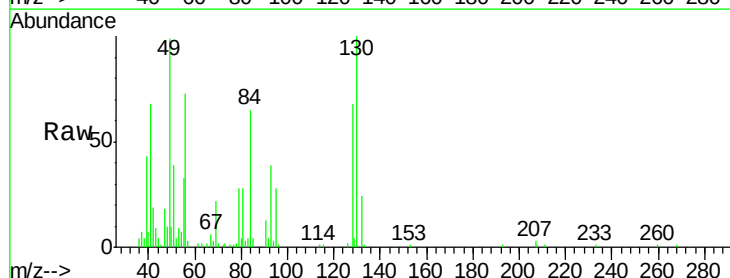
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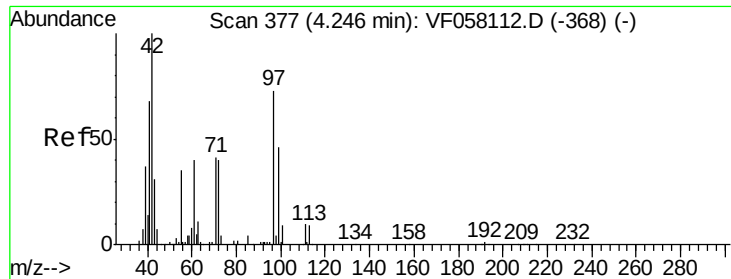


#28

Bromochloromethane
Concen: 21.854 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	40720		
129	3.8		0.0	0.0#
130	100.7		75.8	113.8





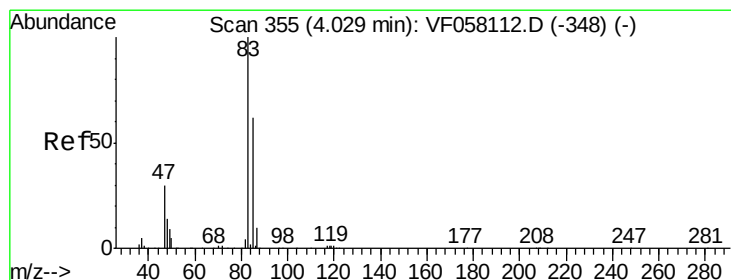
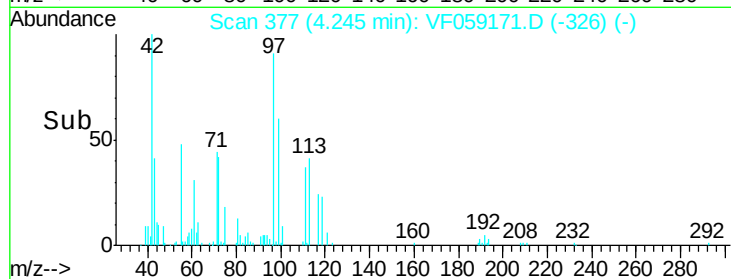
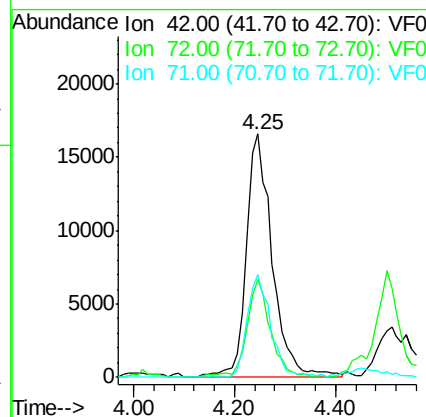
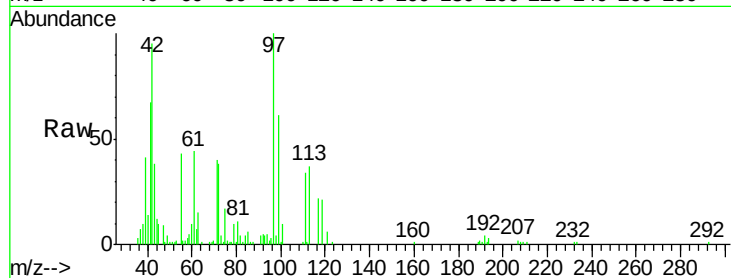
#29
Tetrahydrofuran
Concen: 111.508 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	30.5	45.7
71	38.2	31.5	47.3

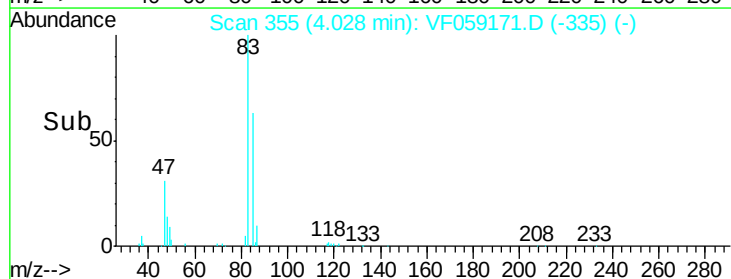
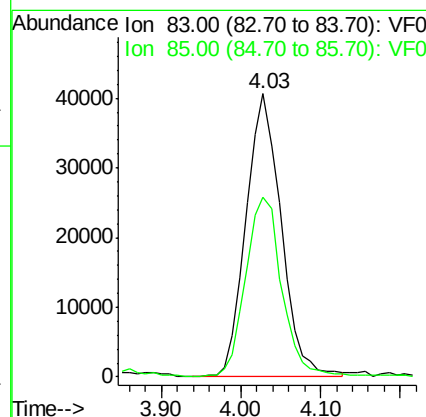
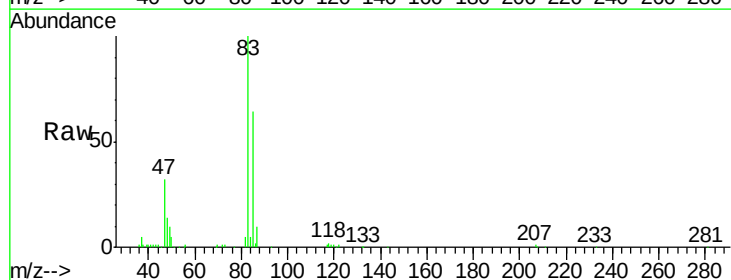
Manual Integrations
APPROVED

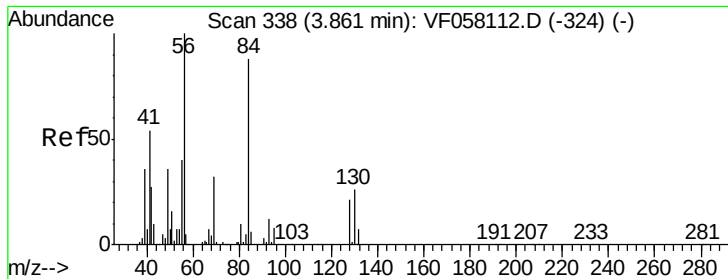
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#30
Chloroform
Concen: 20.966 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.5	74.3





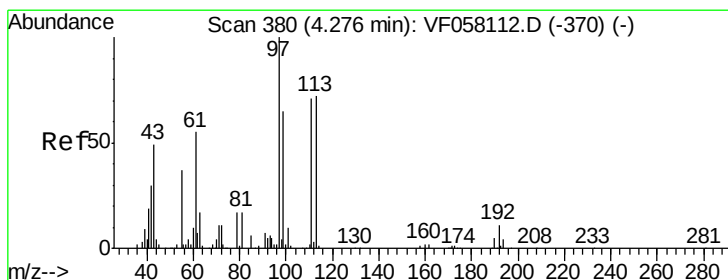
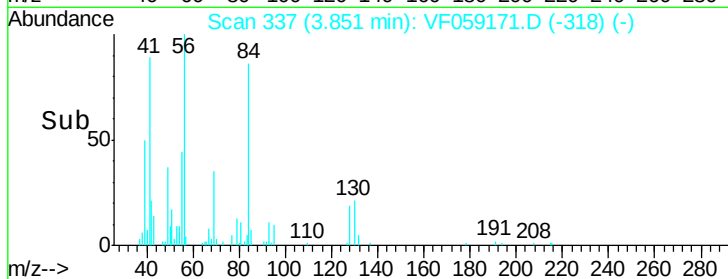
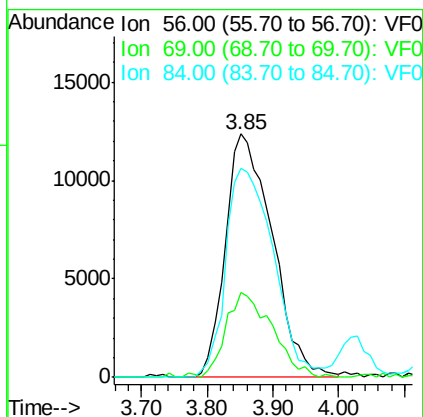
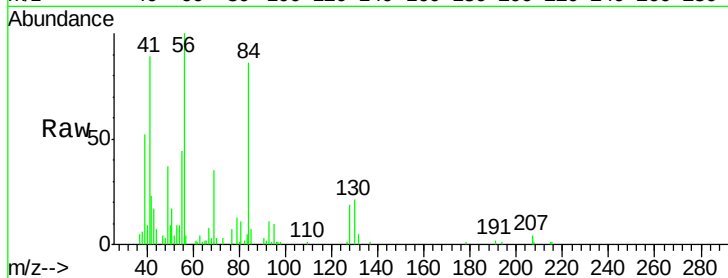
#31
Cyclohexane
Concen: 17.017 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	25.9	38.9
84	85.8	70.3	105.5

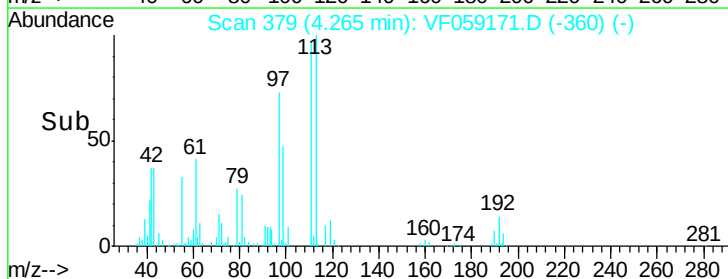
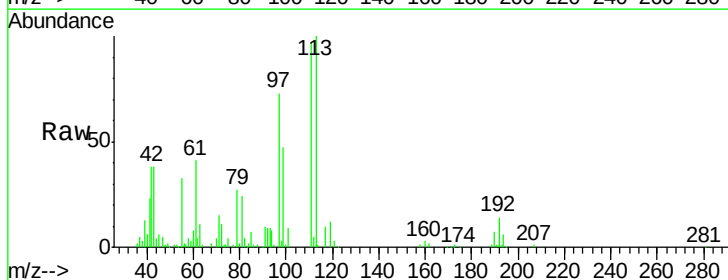
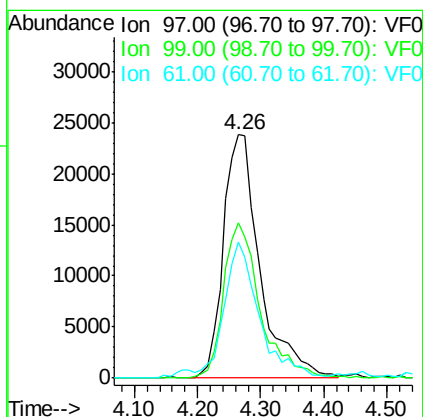
Manual Integrations
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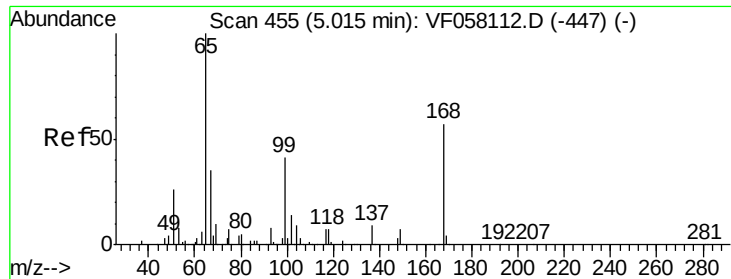
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#32
1,1,1-Trichloroethane
Concen: 21.737 ug/l
RT: 4.26 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	55.9	44.3	66.5





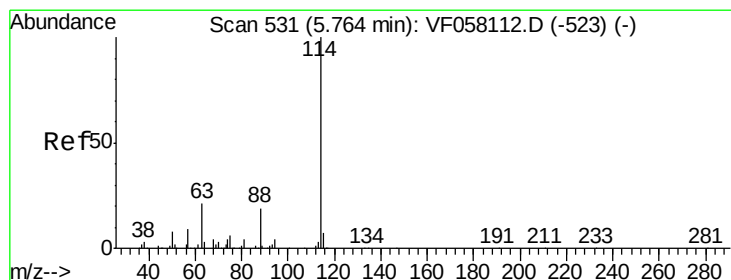
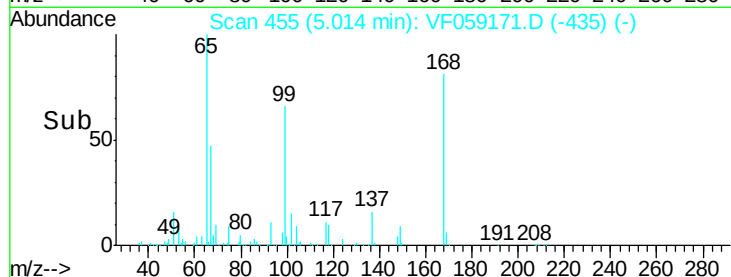
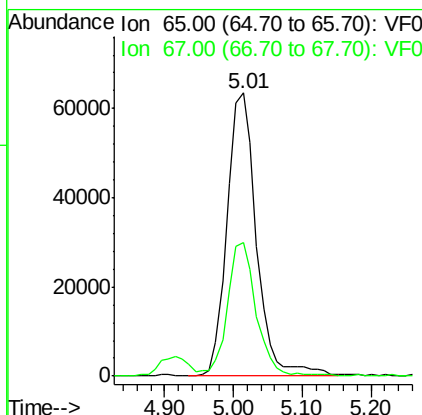
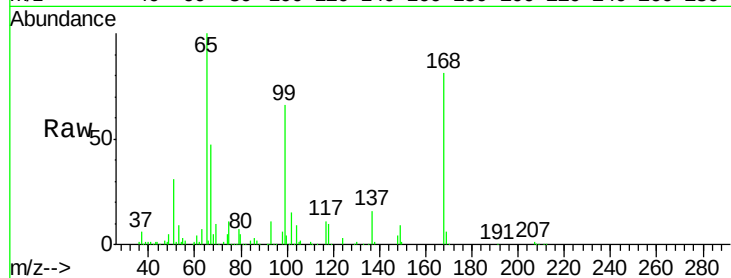
#33
 1,2-Dichloroethane-d4
 Concen: 57.392 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186953		
67	47.0	0.0	0.0	97.0

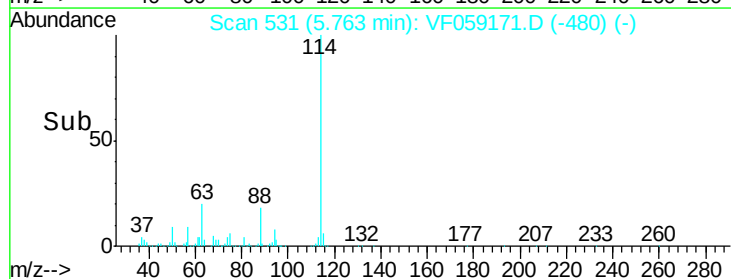
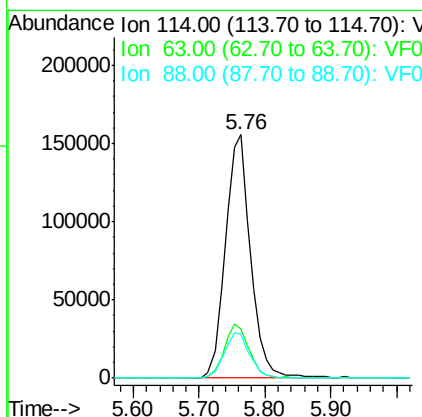
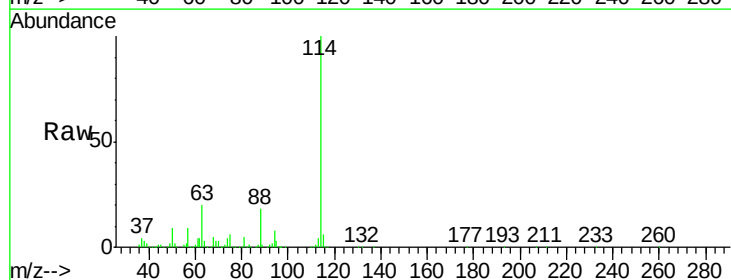
Manual Integrations
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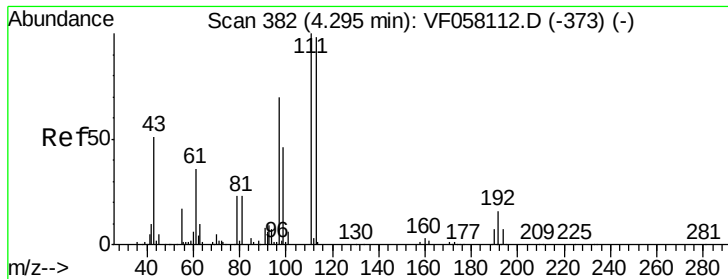
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	416858		
63	20.0	0.0	0.0	41.6
88	18.2	0.0	0.0	38.8





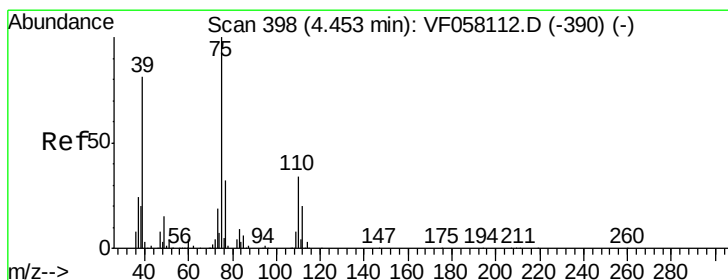
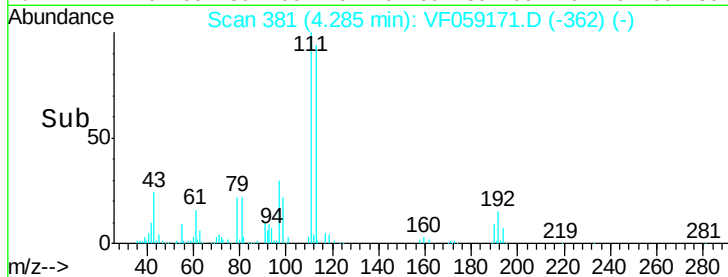
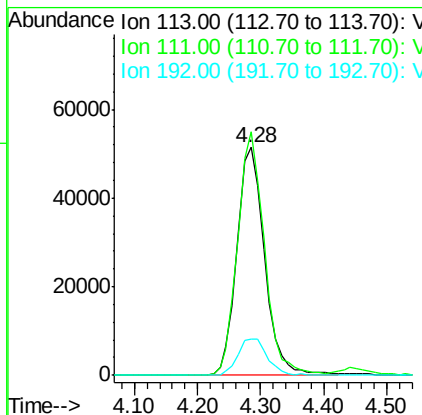
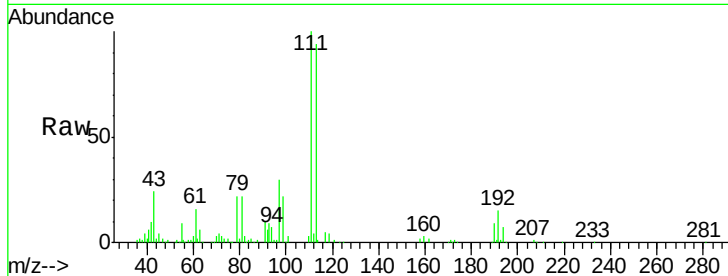
#35
 Dibromofluoromethane
 Concen: 53.622 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156843		
111	106.8		81.3	121.9
192	15.8		12.7	19.1

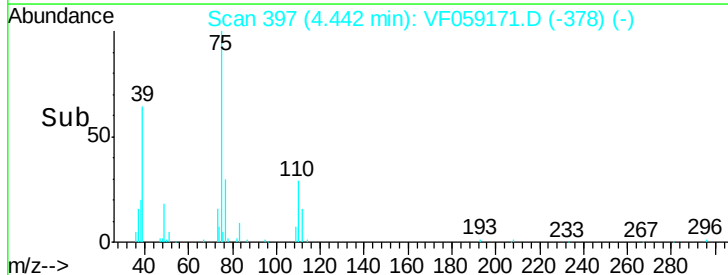
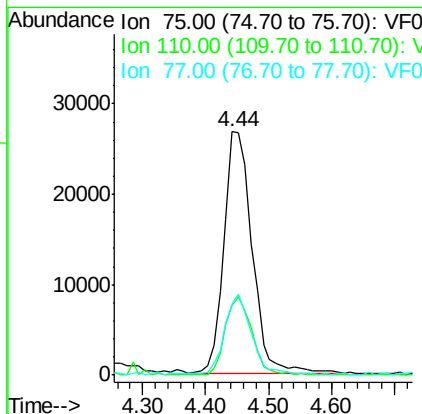
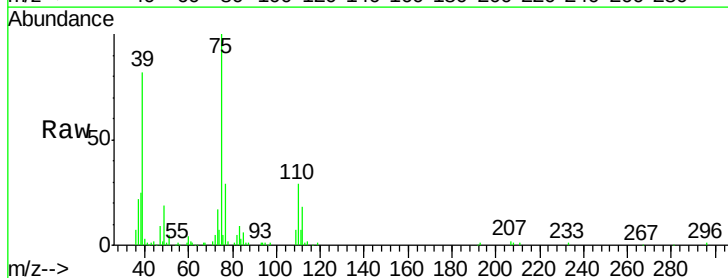
Manual Integrations
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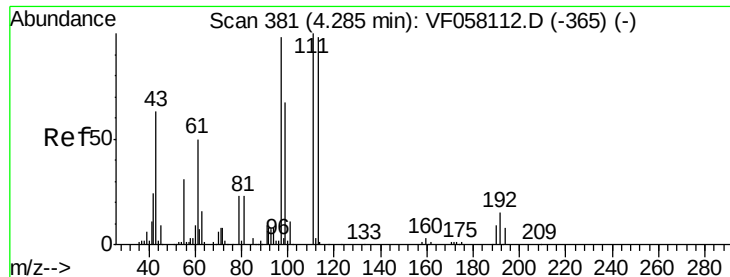
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#36
 1,1-Dichloropropene
 Concen: 20.474 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. -0.01 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82727		
110	28.7		17.0	50.9
77	29.0		25.3	37.9





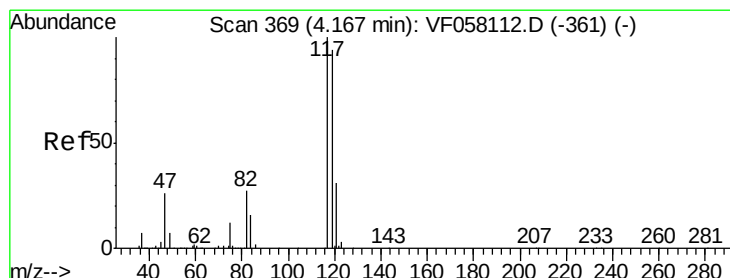
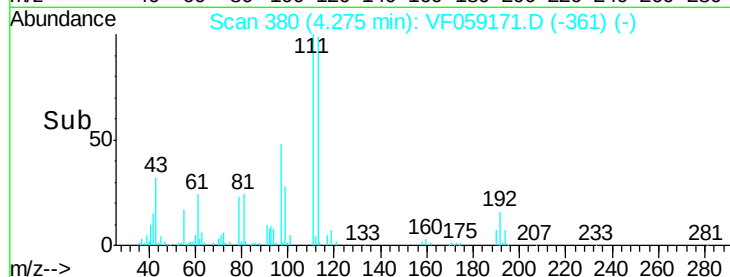
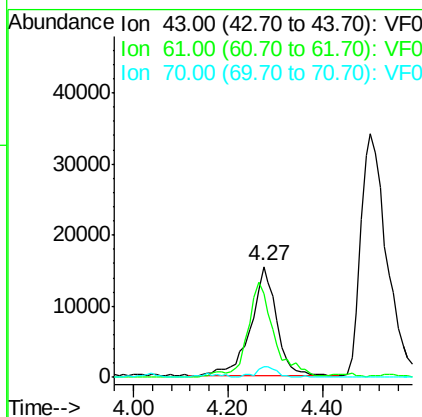
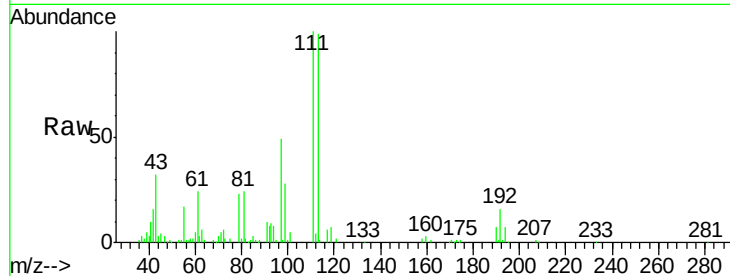
#37
Ethyl Acetate
Concen: 23.512 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						58700
61	75.5				63.0	94.4	
70	9.1				7.5	11.3	

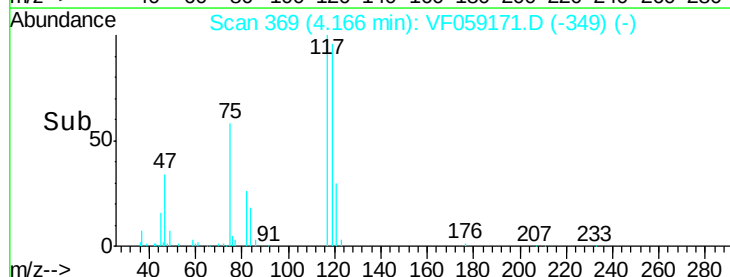
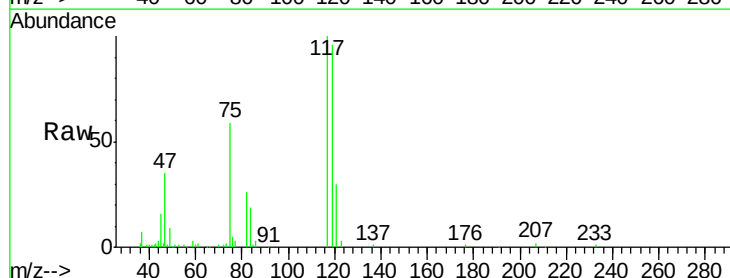
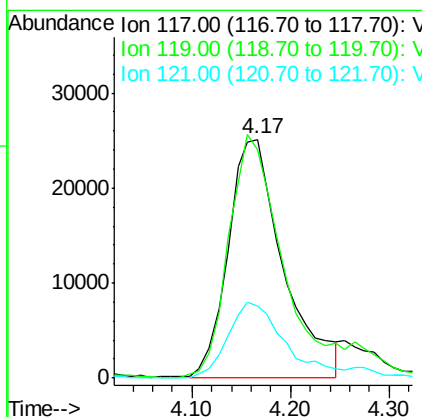
Manual Integrations
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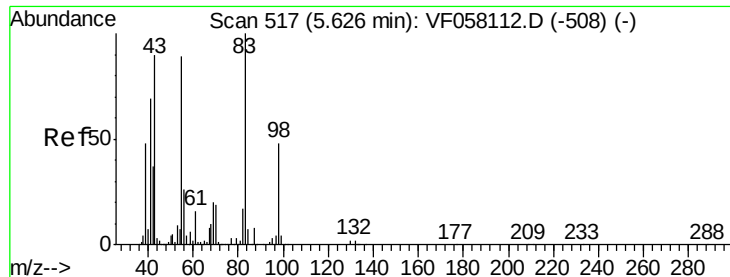
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#38
Carbon Tetrachloride
Concen: 22.431 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						98228
119	95.8				75.7	113.5	
121	30.3				24.8	37.2	





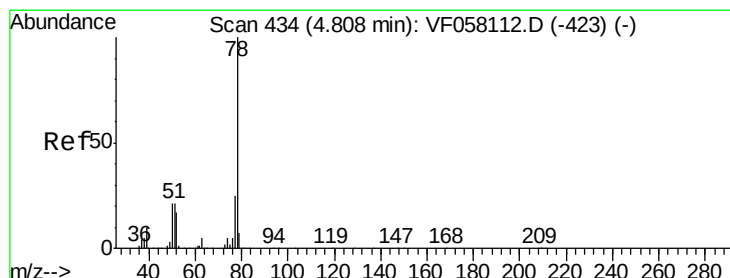
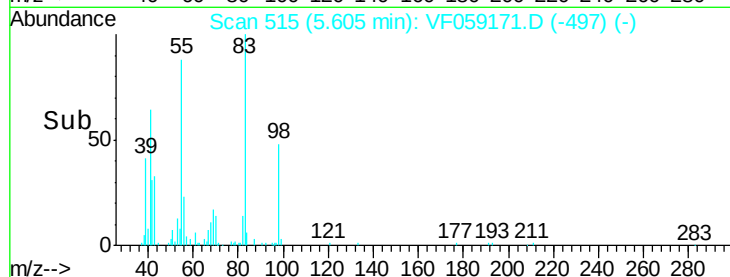
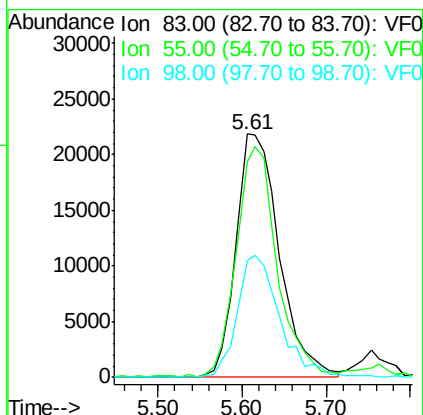
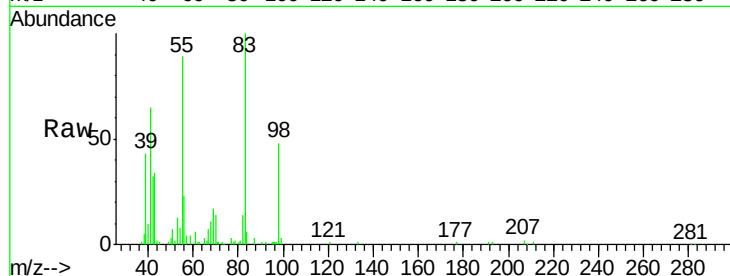
#39
Methylvlcyclohexane
Concen: 19.086 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.02 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	71.0	106.4
98	48.2	38.1	57.1

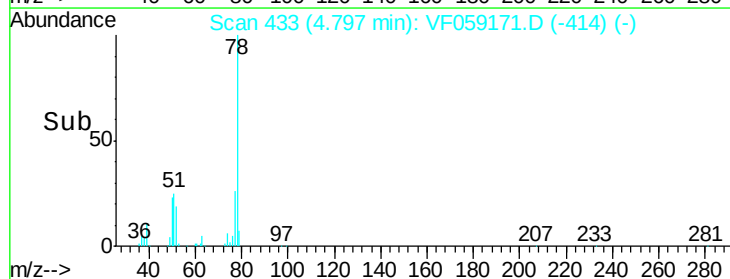
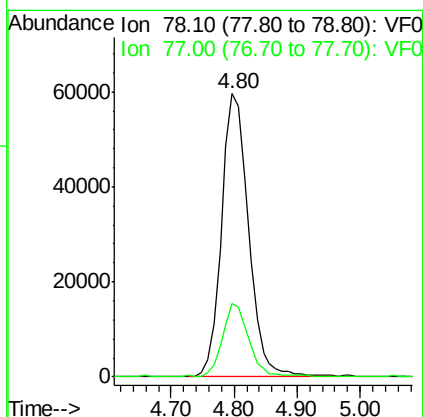
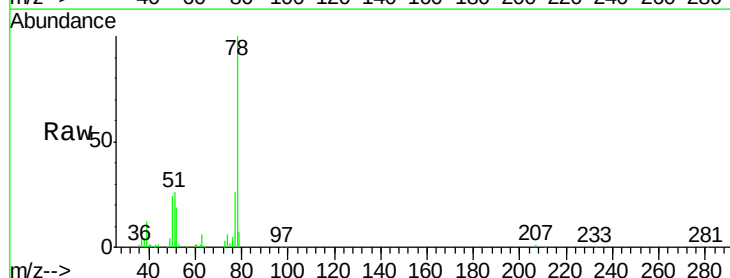
Manual Integrations
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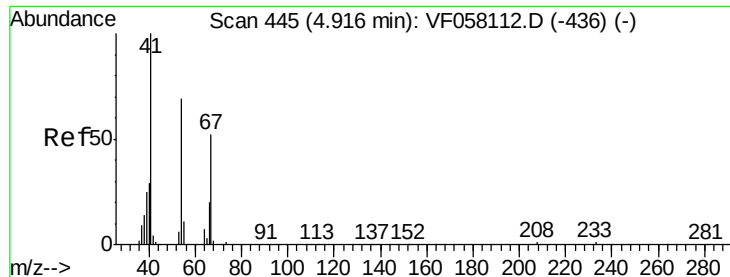
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#40
Benzene
Concen: 19.025 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	20.2	30.2





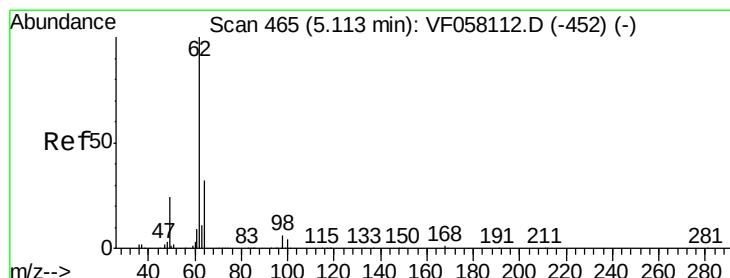
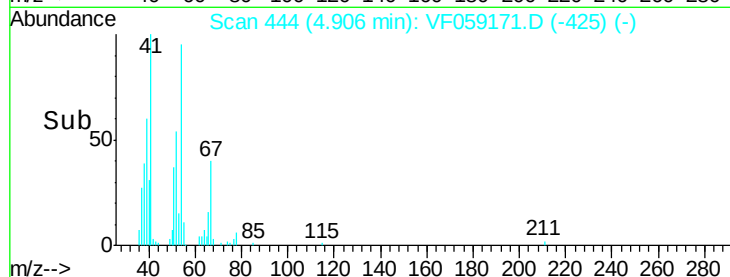
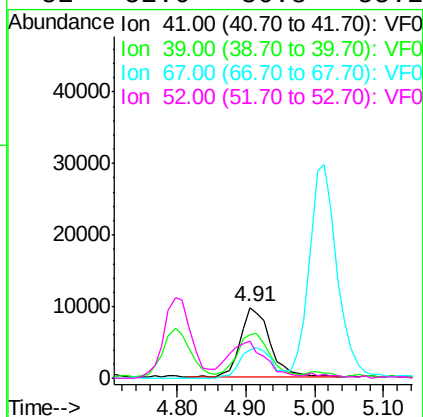
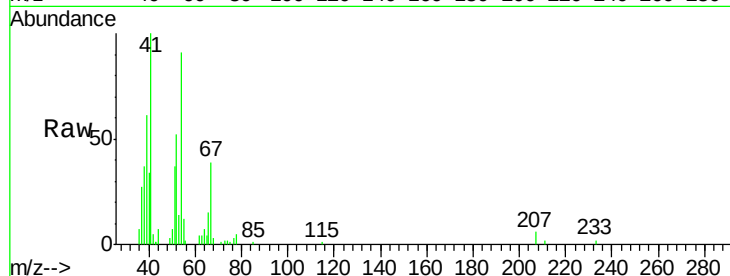
#41
Methacrylonitrile
Concen: 24.125 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.8	53.0	79.4
67	38.9	41.0	61.6
52	52.0	36.8	55.2

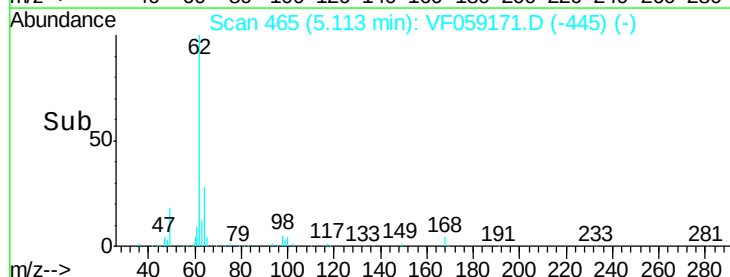
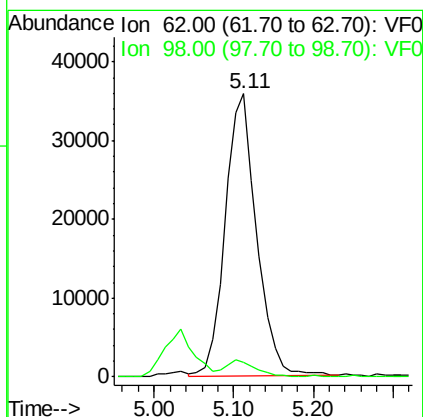
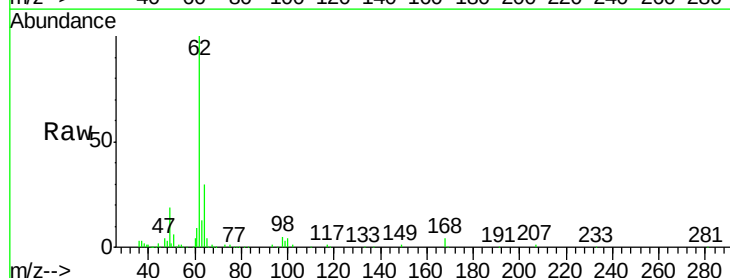
Manual Integrations
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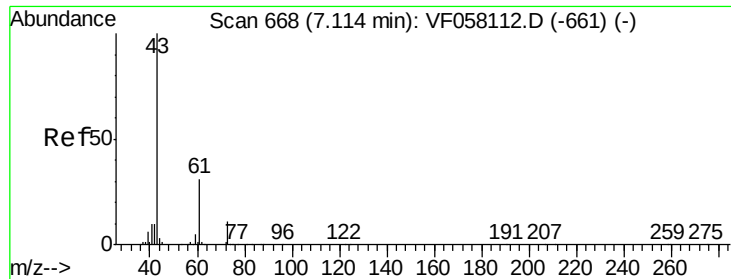
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#42
1,2-Dichloroethane
Concen: 23.388 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	11.8





#43

Isopropyl Acetate

Concen: 22.382 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

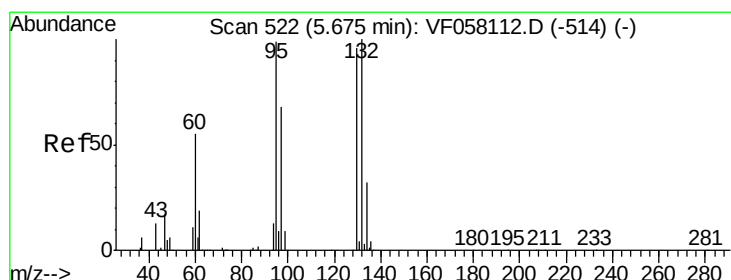
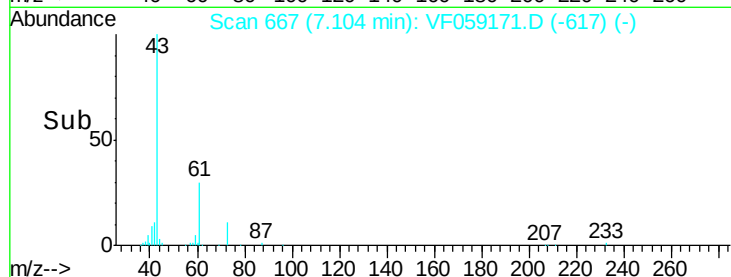
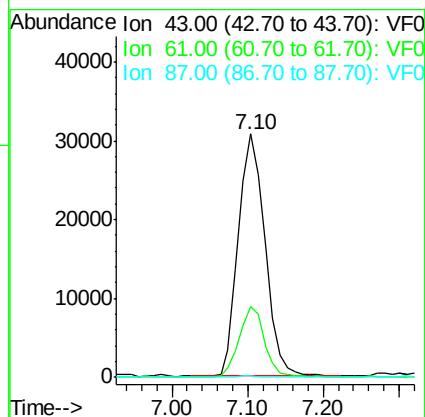
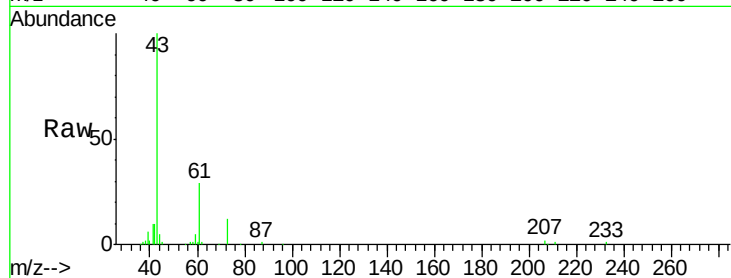
ClientSampleId :

VF0618SBS01

Tot Ion:	43	Resp:	74837
Ion	Ratio	Lower	Upper
43	100		
61	29.0	25.1	37.7
87	0.8	0.2	0.4

Manual Integrations
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#44

Trichloroethene

Concen: 21.821 ug/l

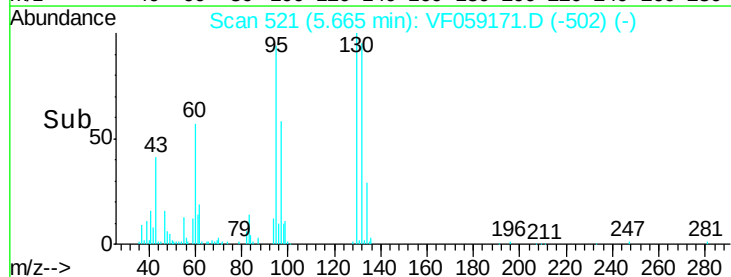
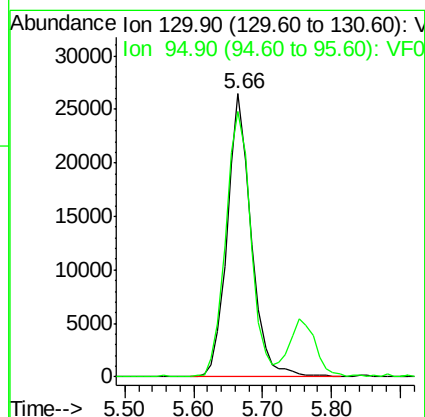
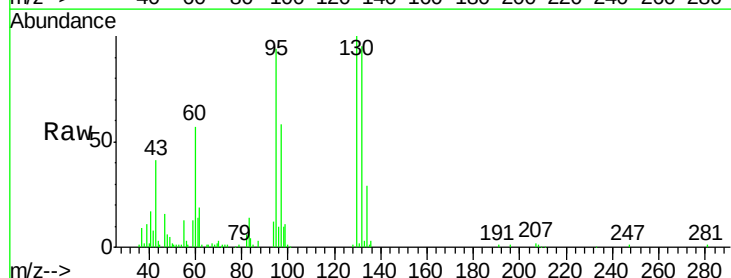
RT: 5.66 min Scan# 521

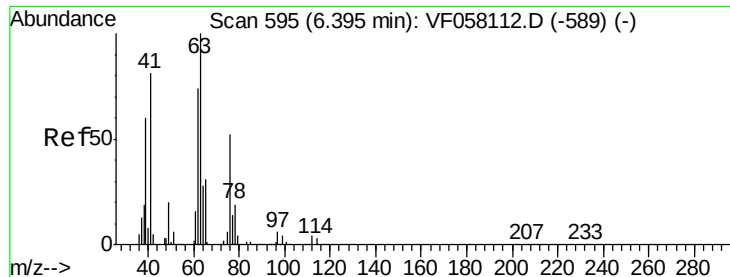
Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	130	Resp:	63946
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	206.8





#45

1,2-Dichloropropane

Concen: 19.989 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion: 63 Resp: 54055

Ion Ratio Lower Upper

63 100

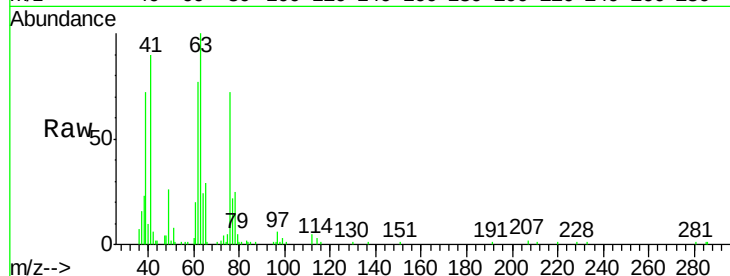
65 29.0 24.6 37.0

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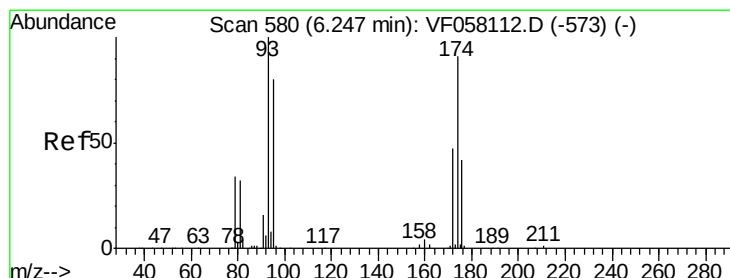
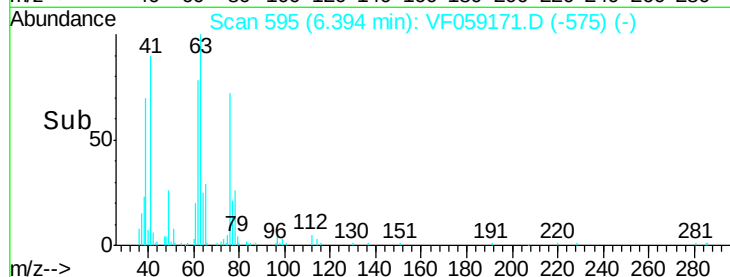
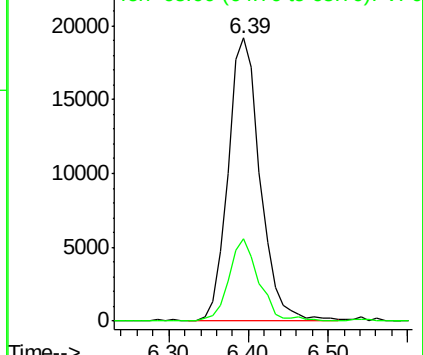
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.753 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

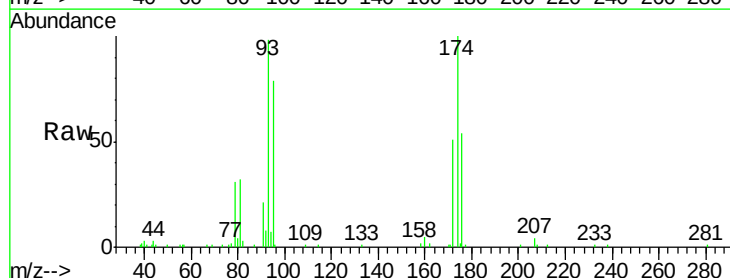
Tgt Ion: 93 Resp: 44259

Ion Ratio Lower Upper

93 100

95 81.0 64.2 96.4

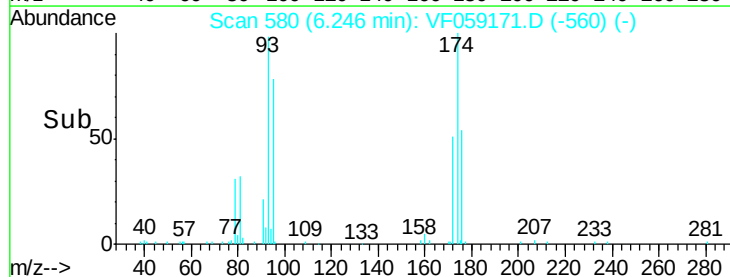
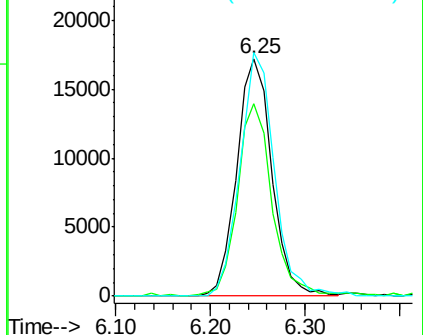
174 102.4 72.7 109.1

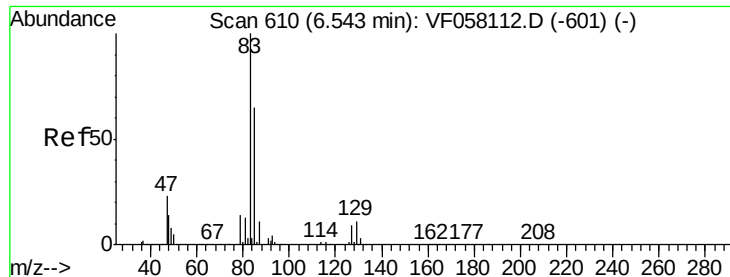


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.410 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

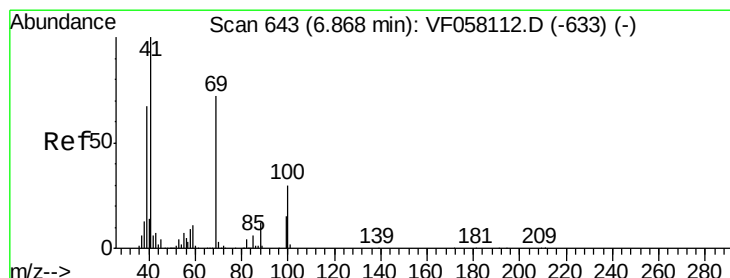
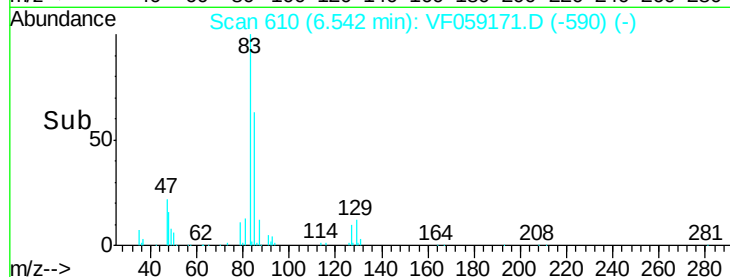
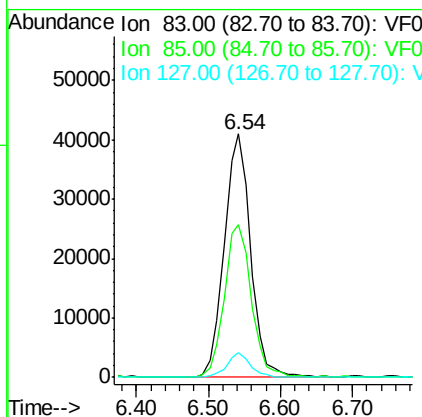
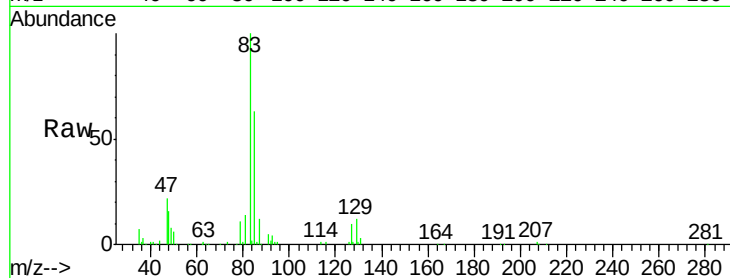
ClientSampleId :

VF0618SBS01

Tot Ion:	83	Resp:	103727
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.6	77.4
127	11.1	7.2	10.8#

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.041 ug/l

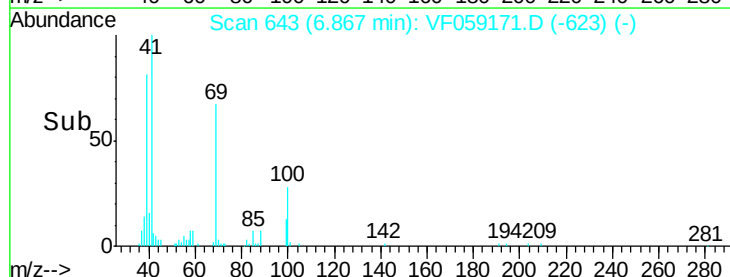
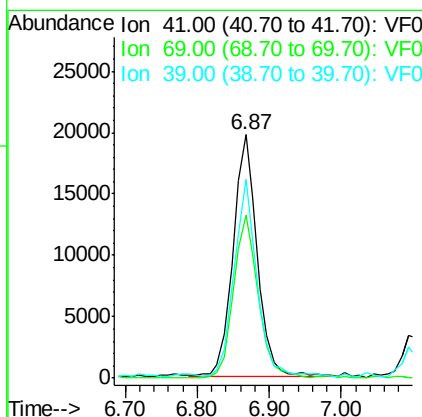
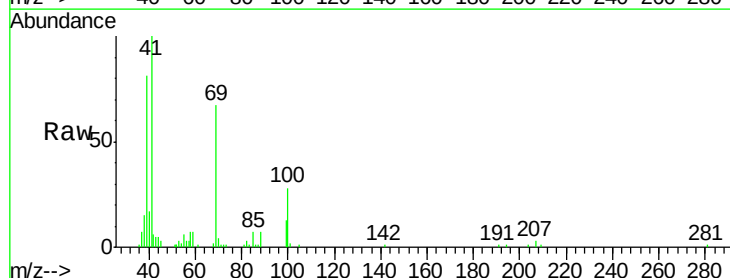
RT: 6.87 min Scan# 643

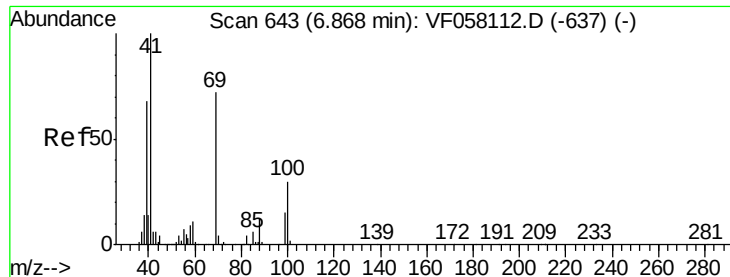
Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	41	Resp:	45432
Ion	Ratio	Lower	Upper
41	100		
69	66.9	57.2	85.8
39	81.5	54.3	81.5





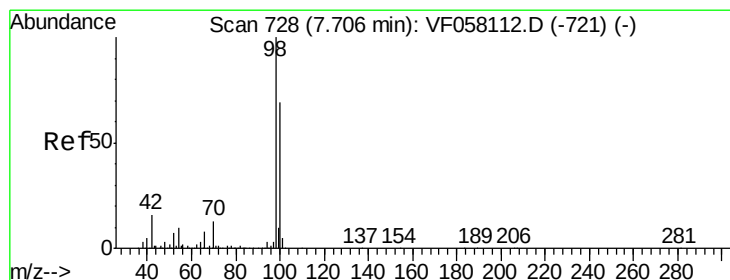
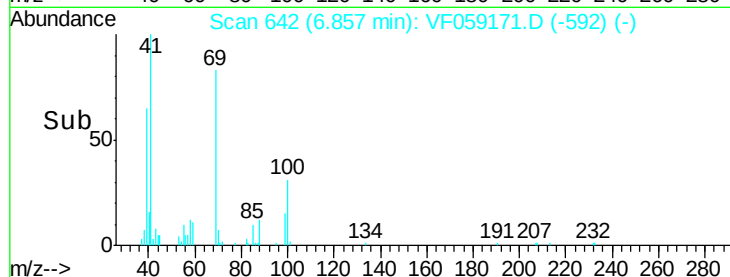
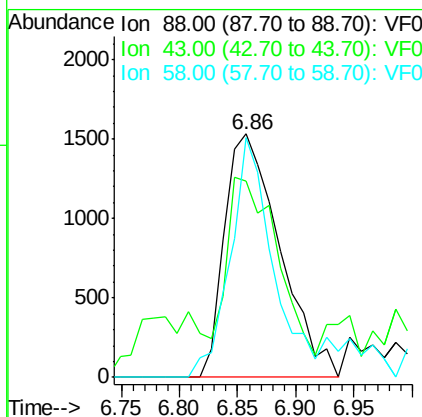
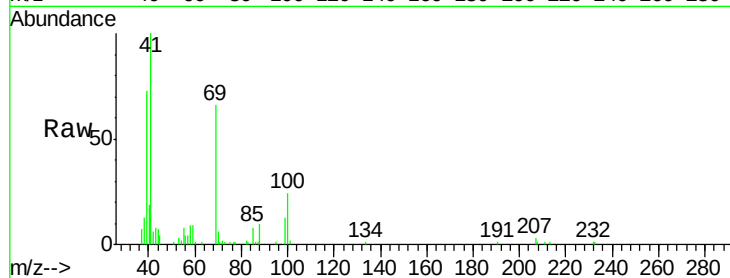
#49
1,4-Dioxane
Concen: 319.714 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	80.7	47.8	71.8#
58	98.4	59.4	89.0#

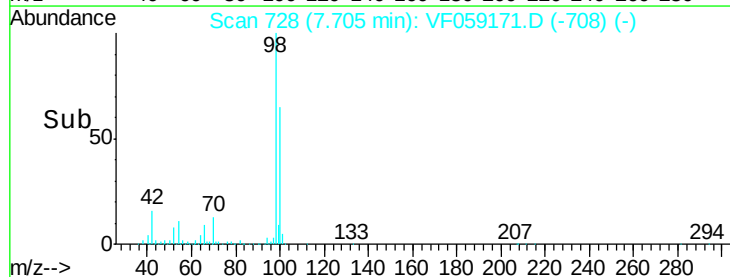
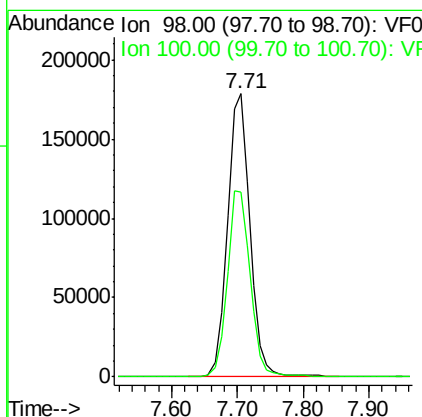
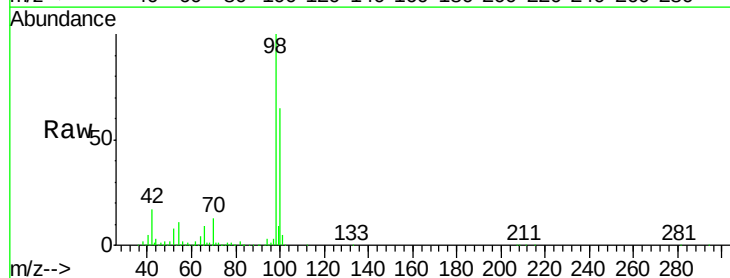
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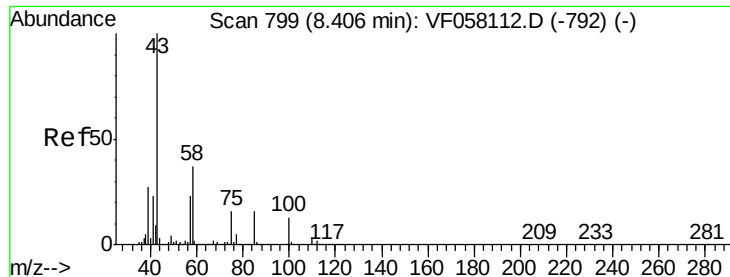
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#50
Toluene-d8
Concen: 49.759 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 117.008 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

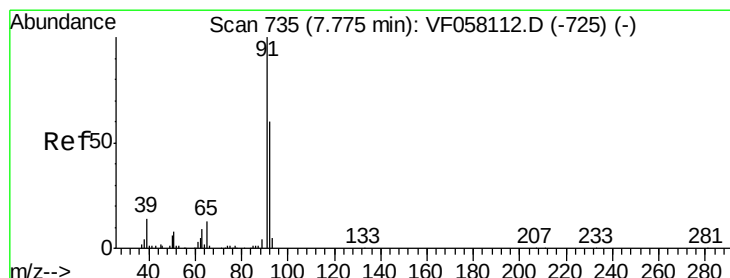
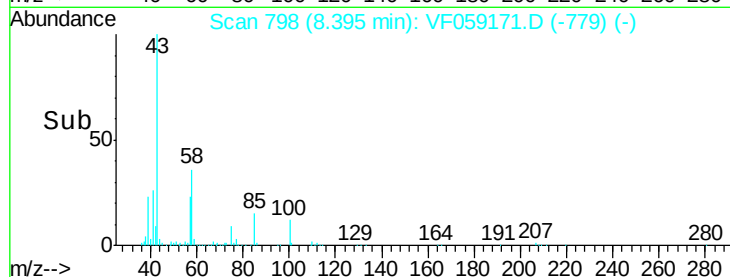
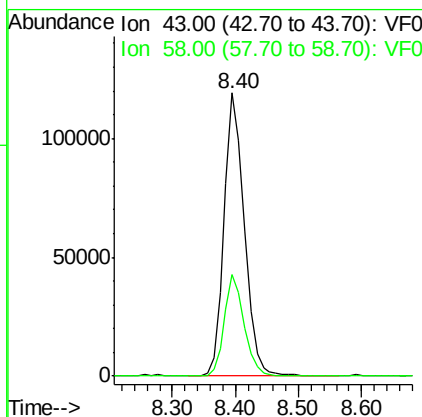
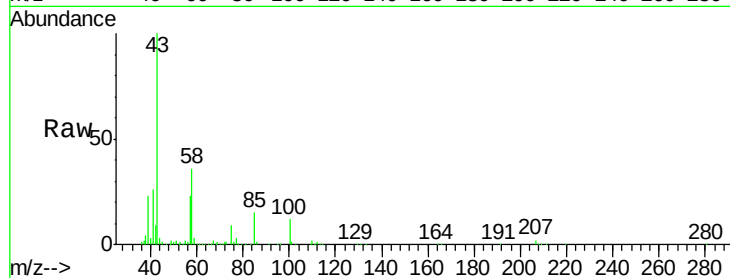
ClientSampleId :

VF0618SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.4	44.0

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#52

Toluene

Concen: 19.214 ug/l

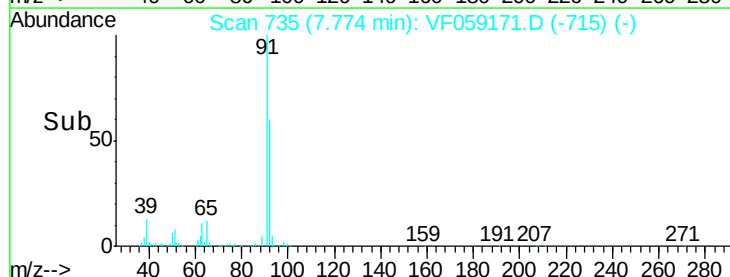
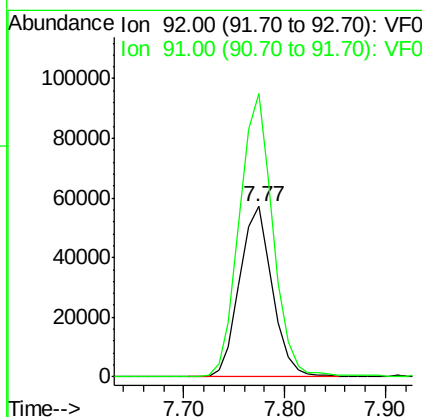
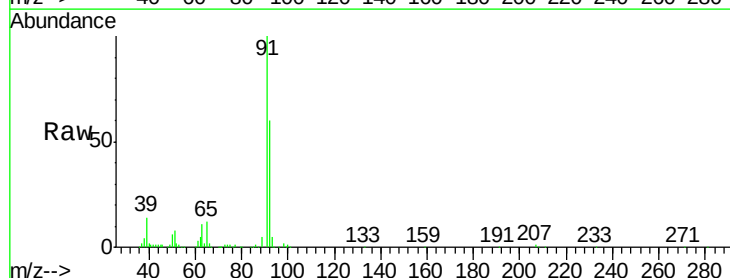
RT: 7.77 min Scan# 735

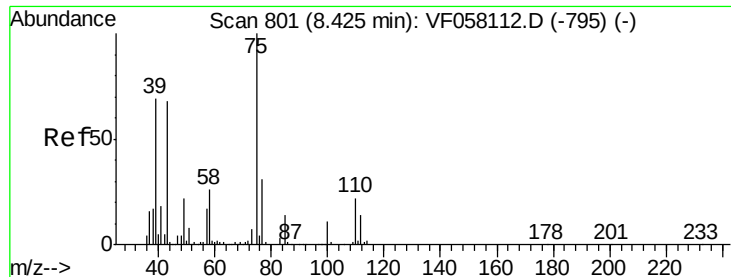
Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	166.1	132.9	199.3





#53

t-1,3-Dichloropropene

Concen: 22.084 ug/l

RT: 8.42 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion: 75 Resp: 98993

Ion Ratio Lower Upper

75 100

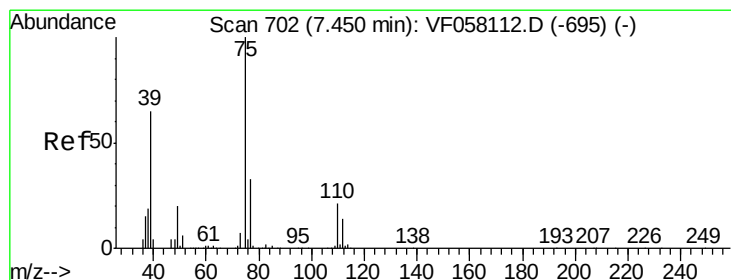
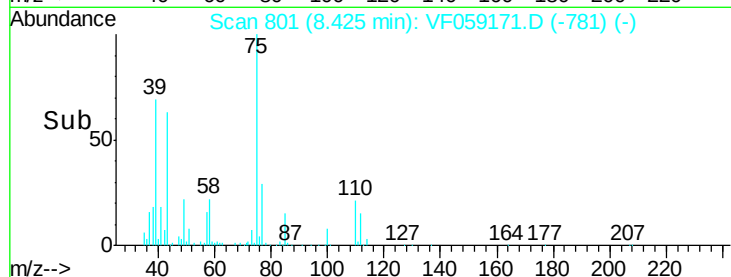
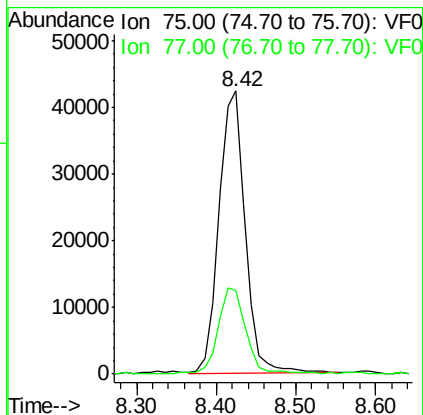
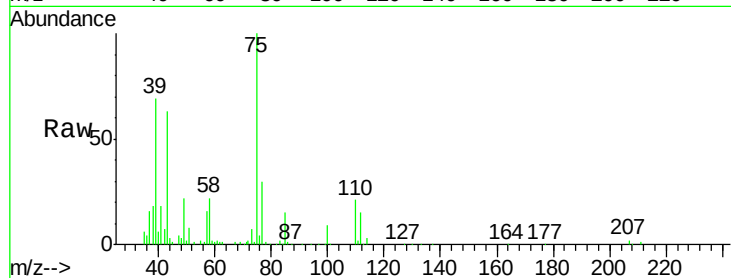
77 29.8 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.929 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

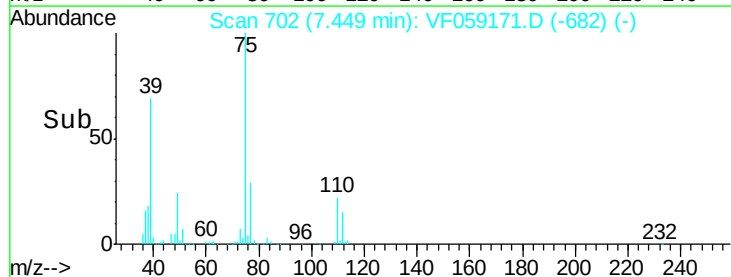
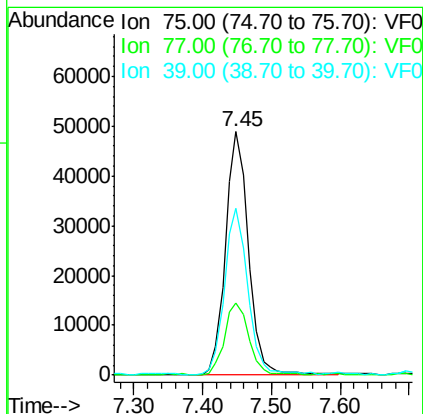
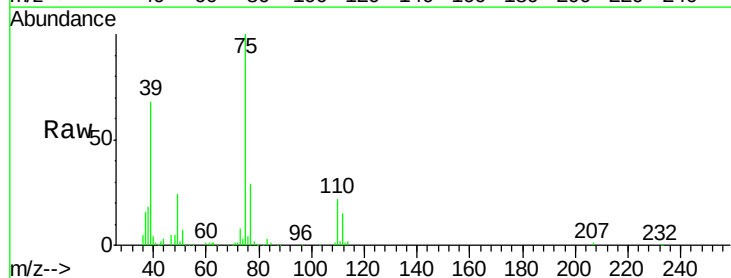
Tgt Ion: 75 Resp: 112921

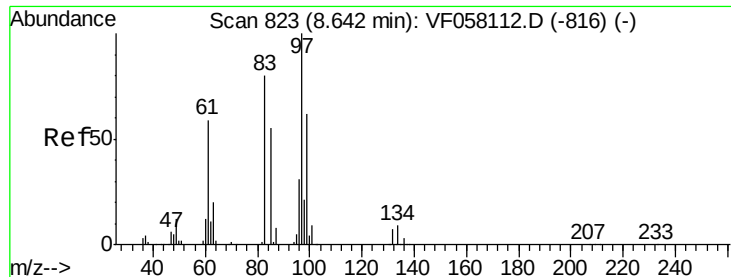
Ion Ratio Lower Upper

75 100

77 29.5 26.3 39.5

39 68.3 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 21.022 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

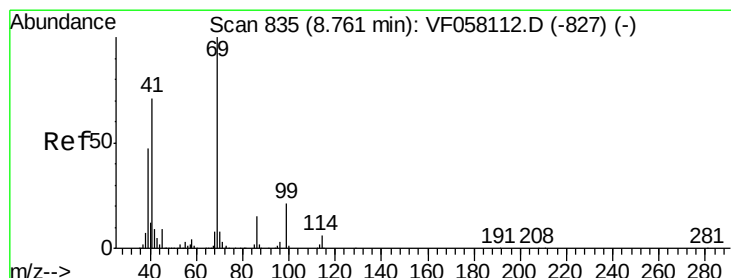
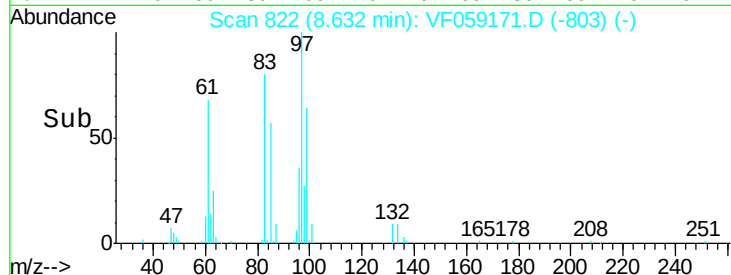
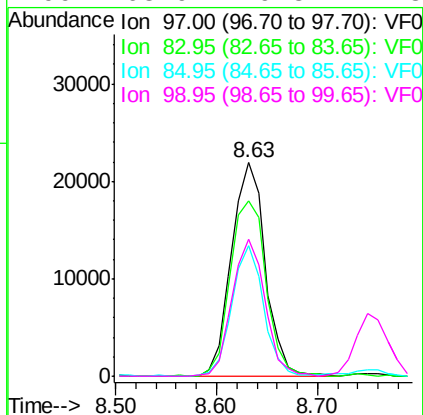
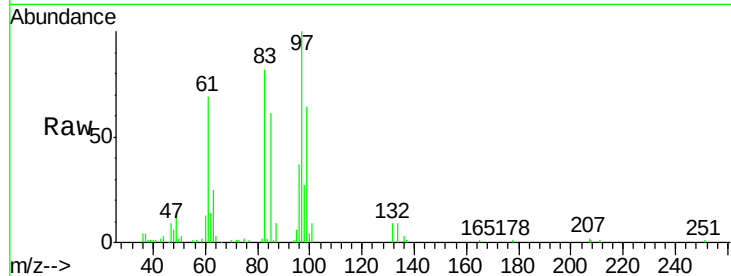
ClientSampleId :

VF0618SBS01

Tot Ion:	97	Resp:	51459
Ion	Ratio	Lower	Upper
97	100		
83	81.9	64.3	96.5
85	61.0	43.8	65.8
99	63.9	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.903 ug/l

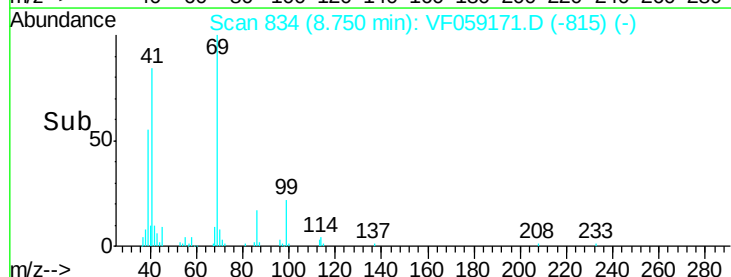
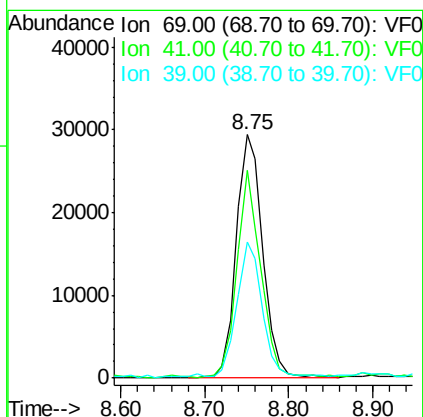
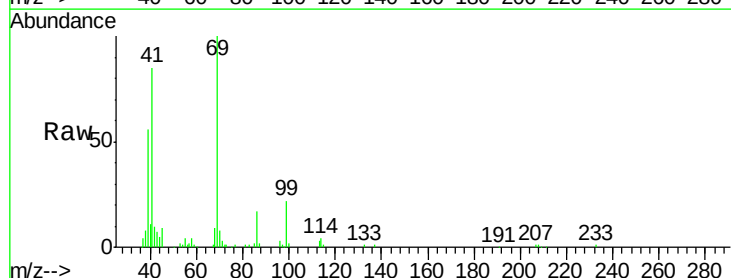
RT: 8.75 min Scan# 834

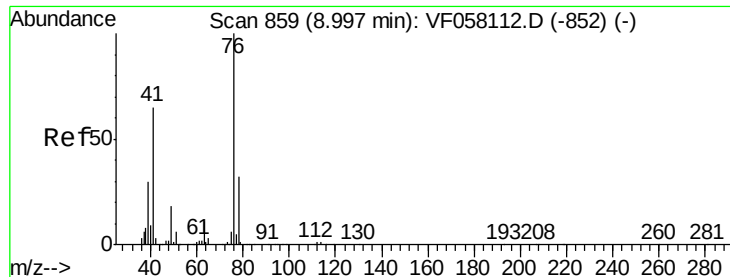
Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	69	Resp:	64498
Ion	Ratio	Lower	Upper
69	100		
41	85.3	56.9	85.3#
39	56.1	38.0	57.0





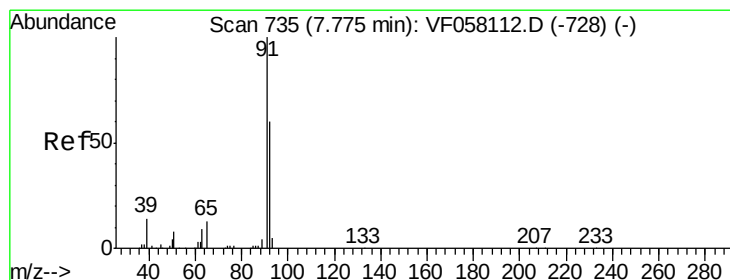
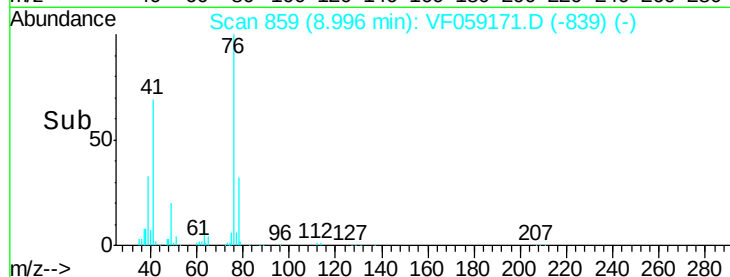
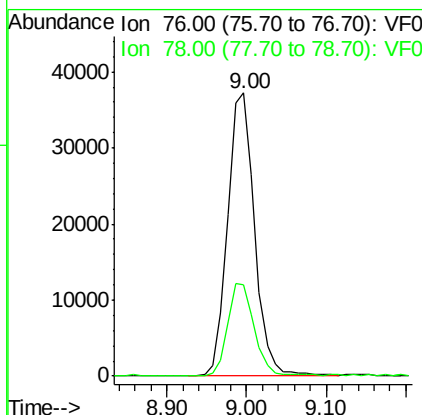
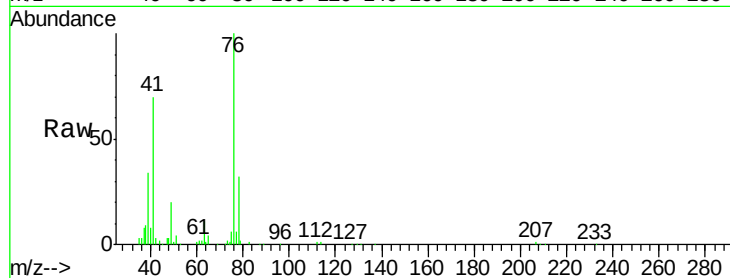
#57
 1,3-Dichloropropane
 Concen: 21.166 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

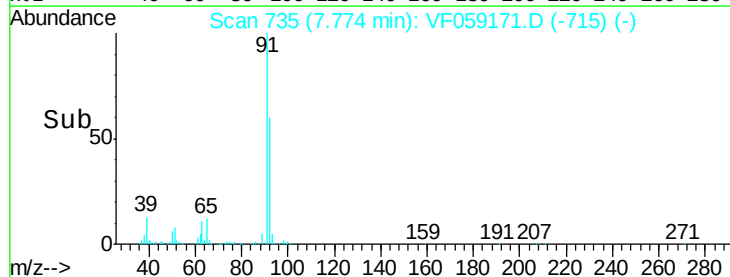
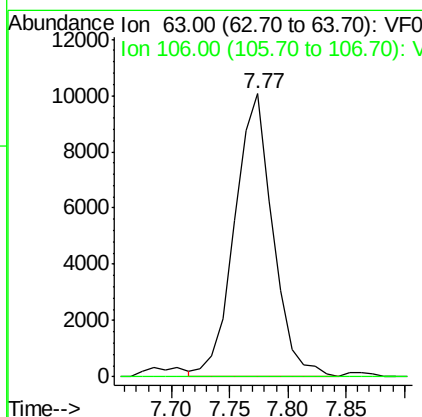
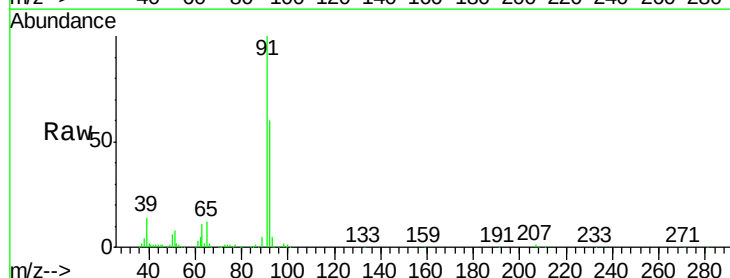
Manual Integrations
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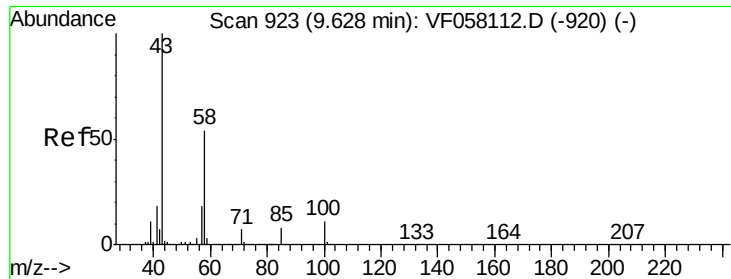
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.753 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





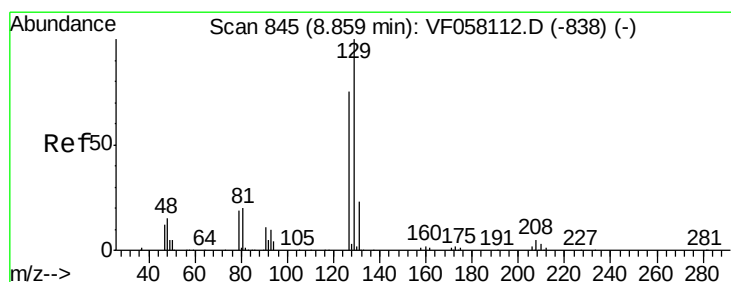
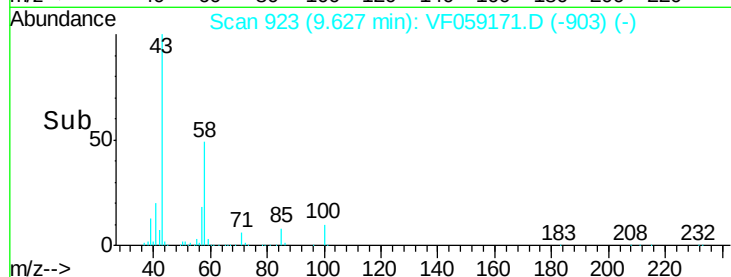
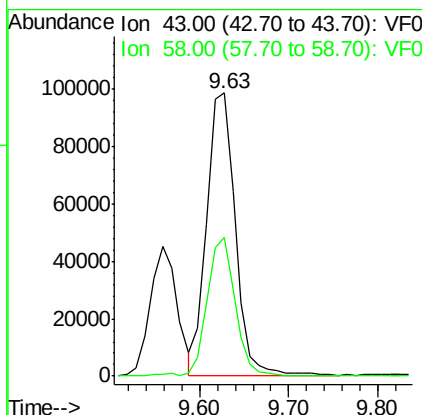
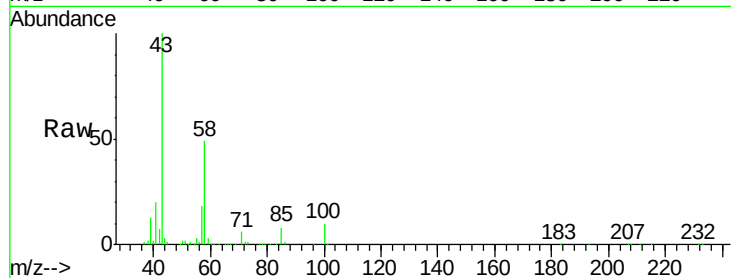
#59
2-Hexanone
Concen: 121.481 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion: 43 Resp: 220210
Ion Ratio Lower Upper
43 100
58 48.9 26.3 78.8

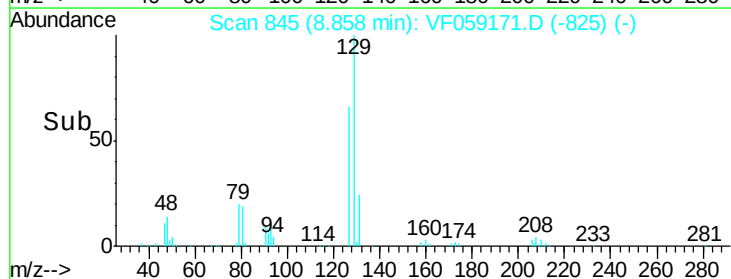
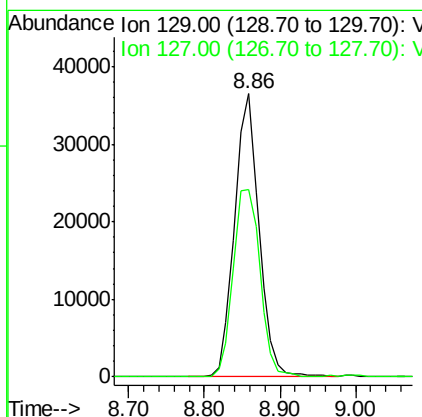
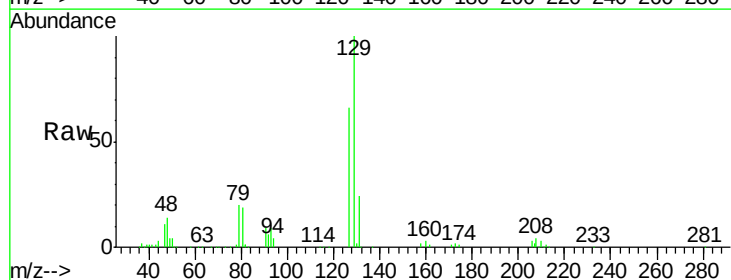
Manual Integrations
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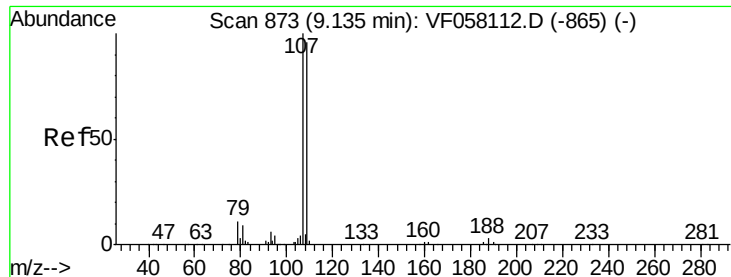
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#60
Dibromochloromethane
Concen: 23.093 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion: 129 Resp: 81232
Ion Ratio Lower Upper
129 100
127 66.0 37.6 112.9





#61

1,2-Dibromoethane

Concen: 21.263 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion: 107 Resp: 60480

Ion Ratio Lower Upper

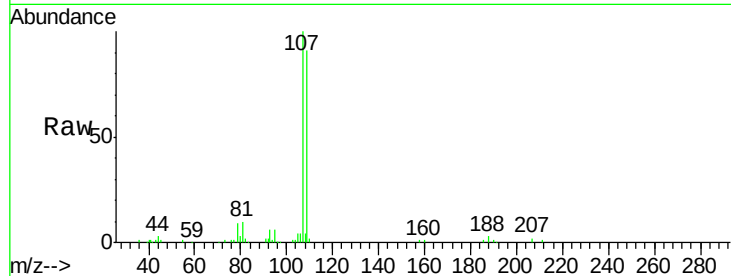
107 100

109 91.5 76.6 115.0

Manual Integrations
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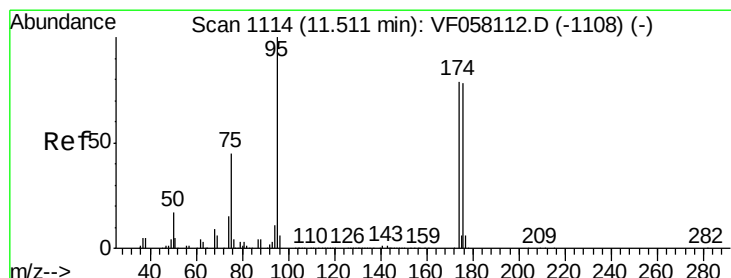
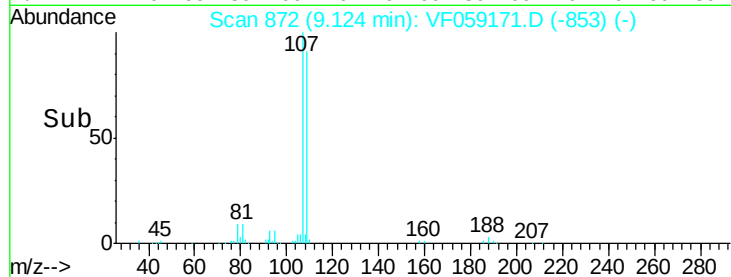
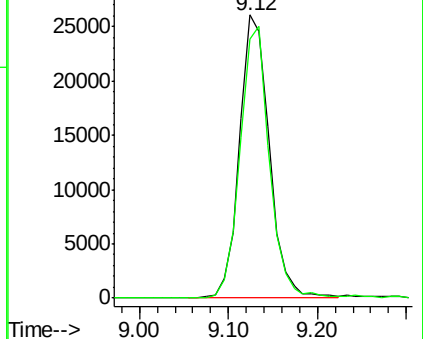
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.764 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

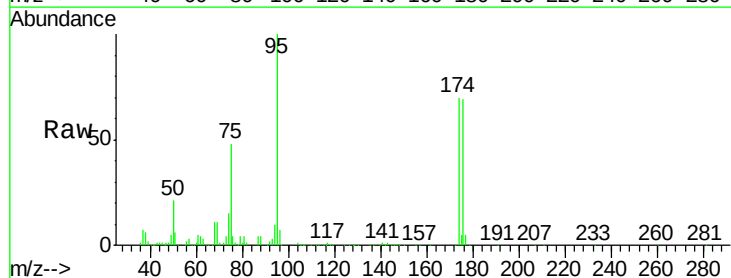
Tgt Ion: 95 Resp: 228145

Ion Ratio Lower Upper

95 100

174 70.2 0.0 157.8

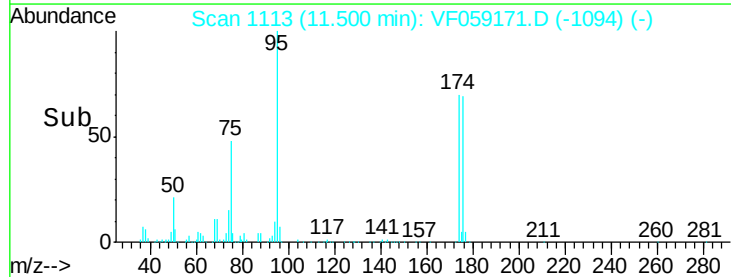
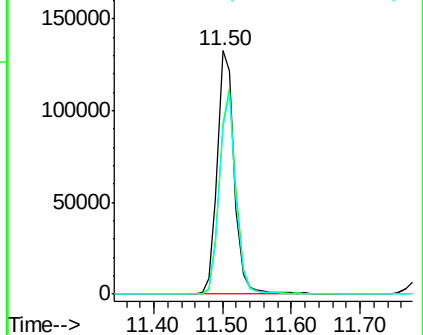
176 68.8 0.0 155.8

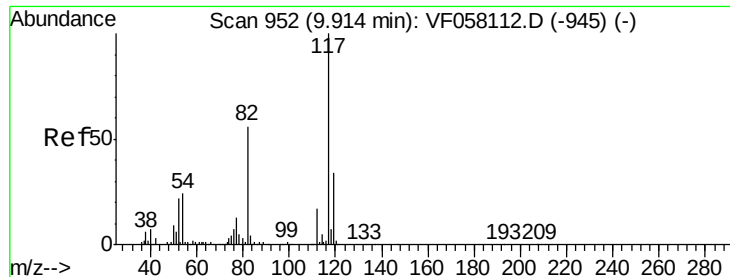


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





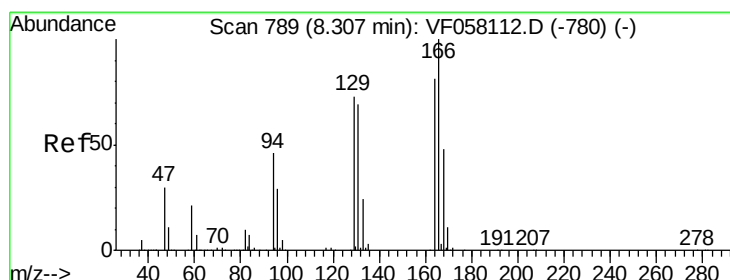
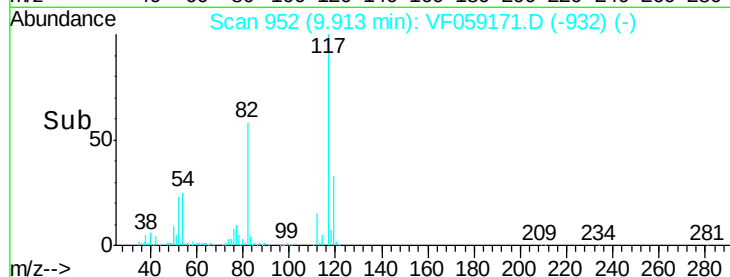
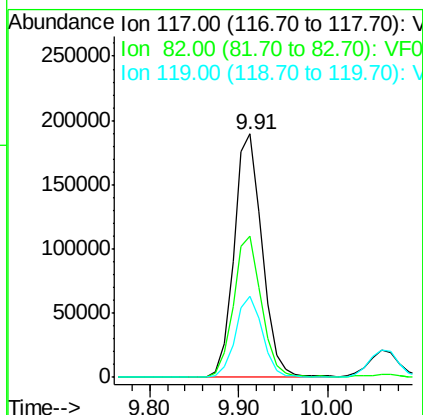
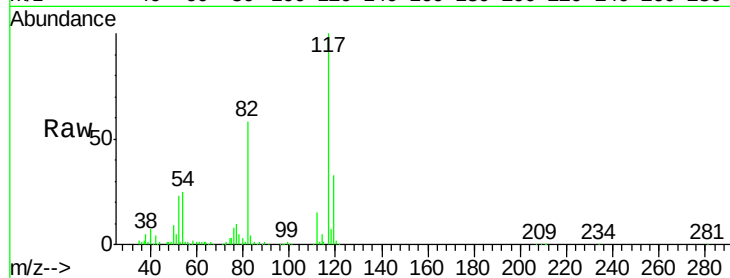
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	416341		
82	58.1		45.2	67.8
119	33.1		27.5	41.3

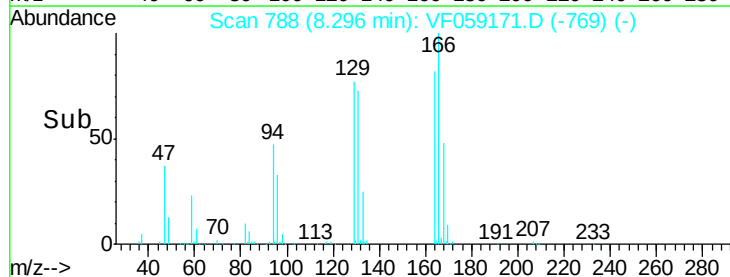
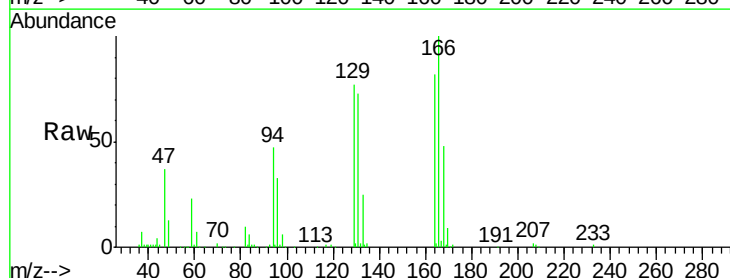
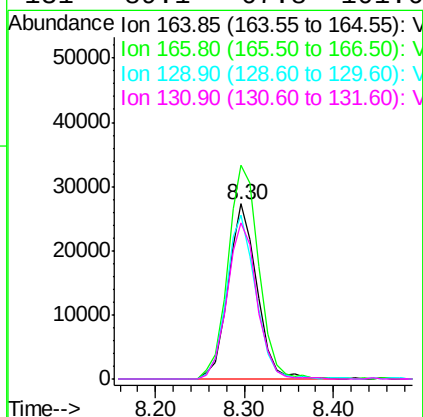
Manual Integrations
APPROVED

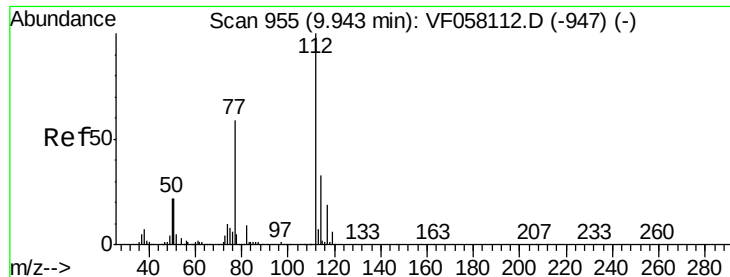
apatel
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#64
Tetrachloroethene
Concen: 20.148 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61526		
166	122.1		98.2	147.4
129	93.7		71.6	107.4
131	89.1		67.8	101.6





#65

Chlorobenzene

Concen: 20.591 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion:112 Resp: 169762

Ion Ratio Lower Upper

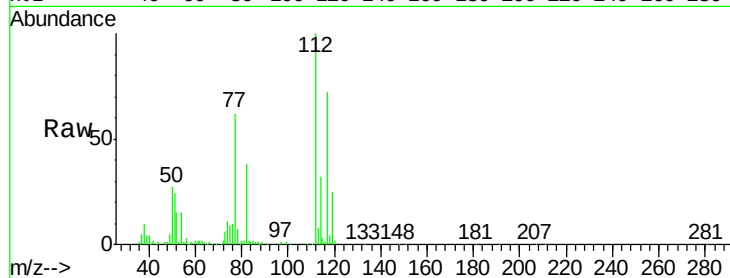
112 100

114 32.3 26.2 39.4

Manual Integrations
APPROVED

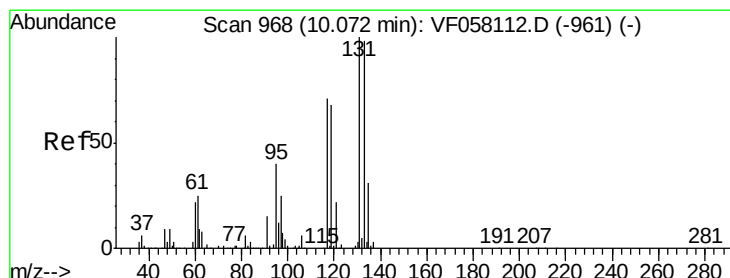
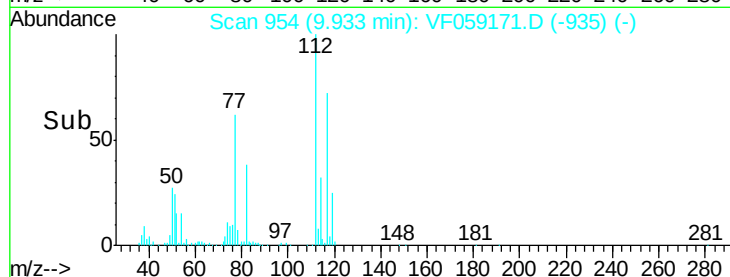
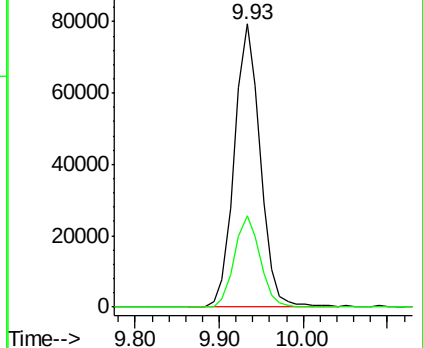
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.485 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

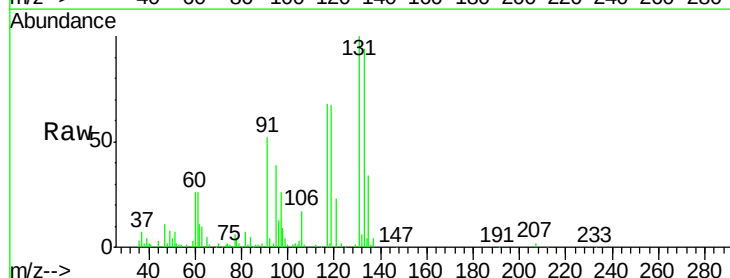
Tgt Ion:131 Resp: 73741

Ion Ratio Lower Upper

131 100

133 94.3 49.1 147.4

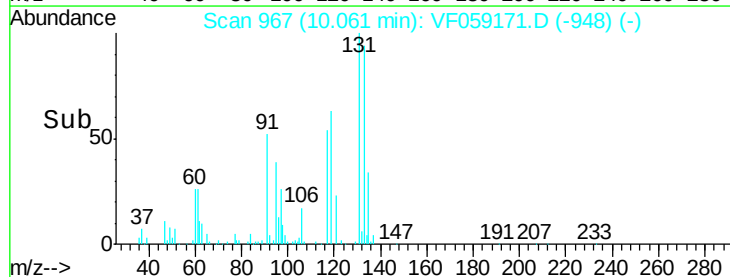
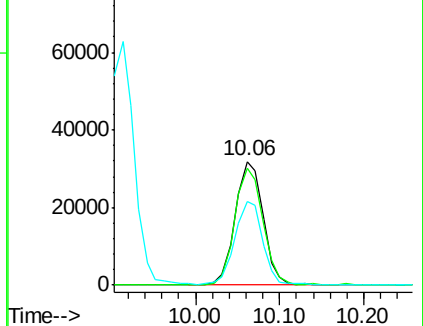
119 67.3 34.3 102.8

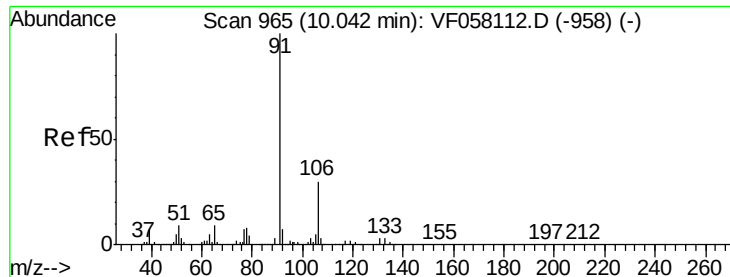


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.223 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion: 91 Resp: 304031

Ion Ratio Lower Upper

91 100

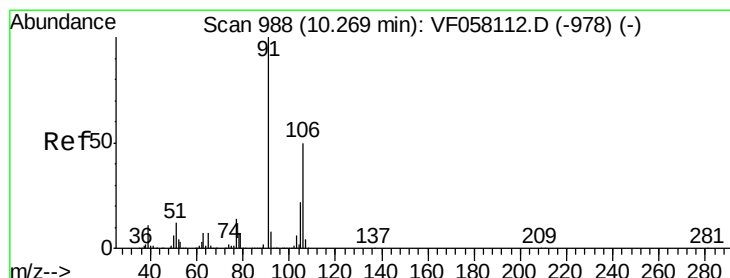
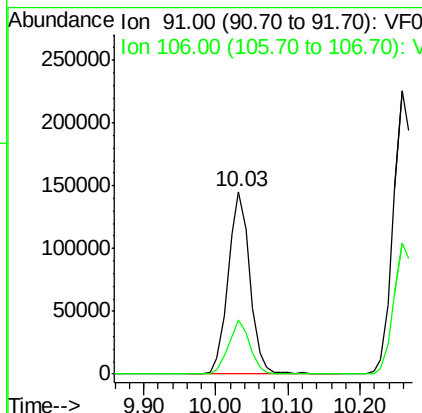
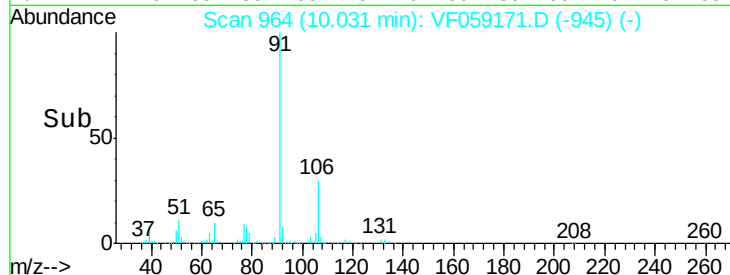
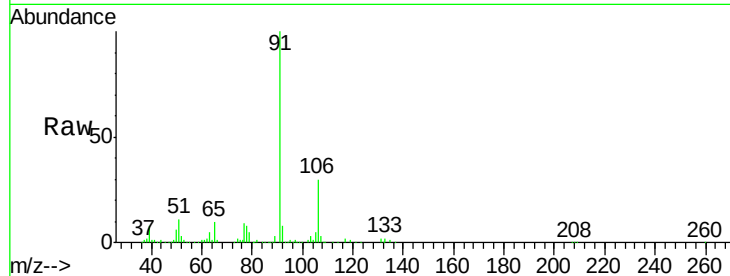
106 29.7 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.792 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059171.D

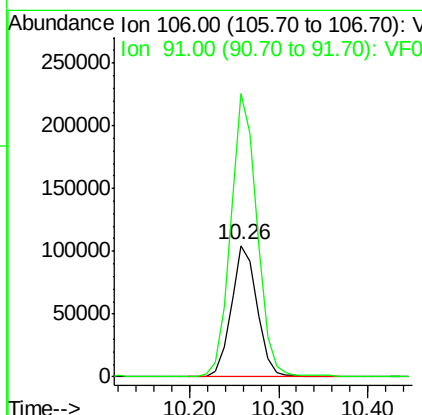
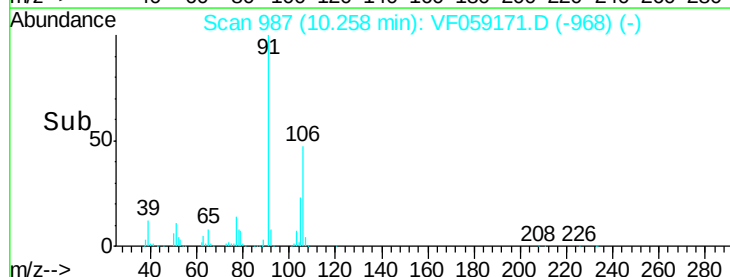
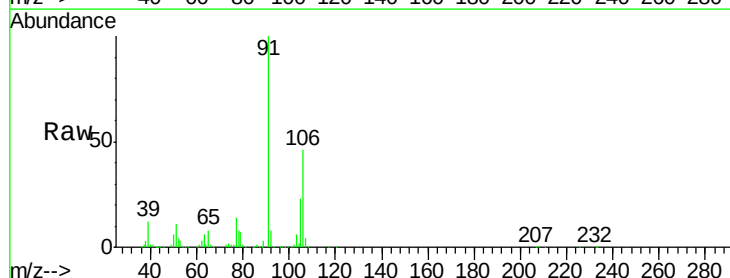
Acq: 18 Jun 2018 13:10

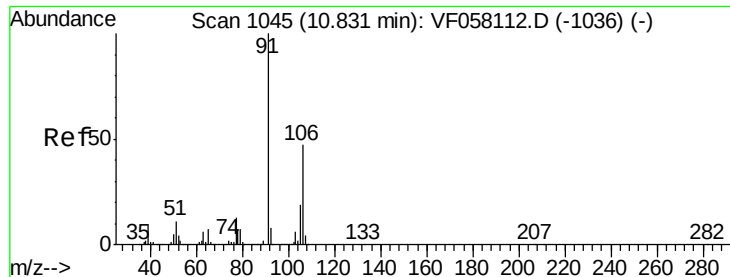
Tgt Ion: 106 Resp: 213420

Ion Ratio Lower Upper

106 100

91 216.0 160.7 241.1





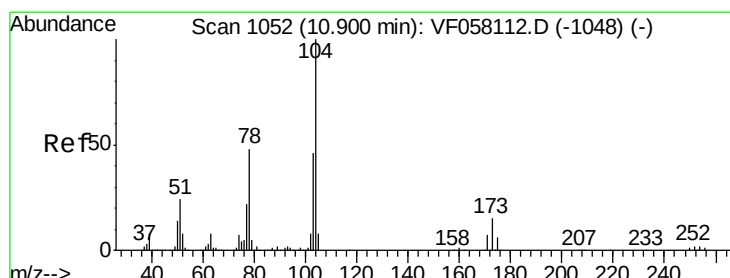
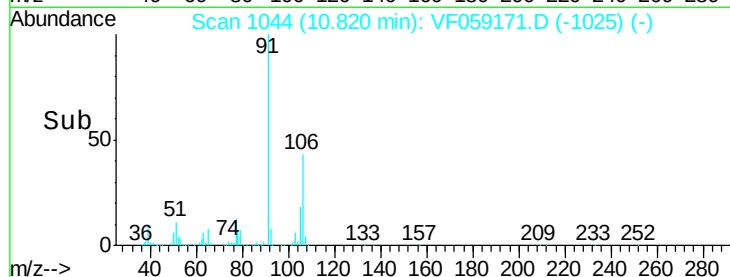
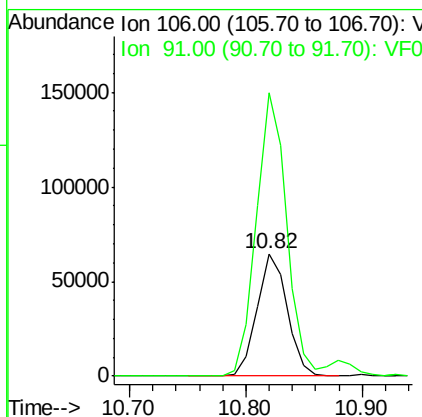
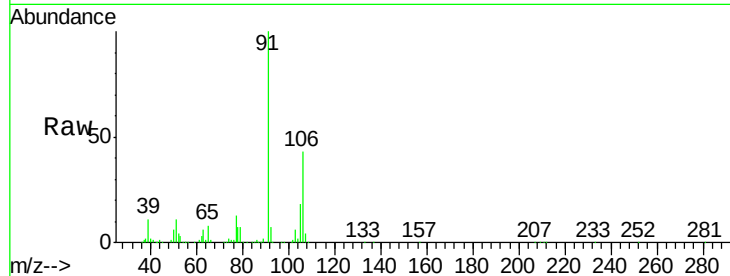
#69
o-Xylene
Concen: 20.110 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion:106 Resp: 116568
Ion Ratio Lower Upper
106 100
91 231.3 107.0 321.0

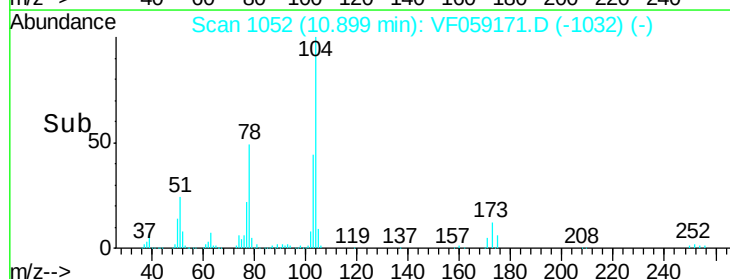
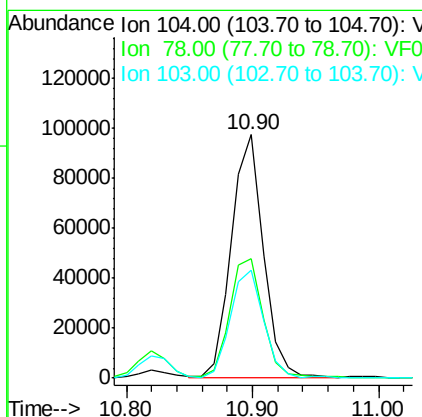
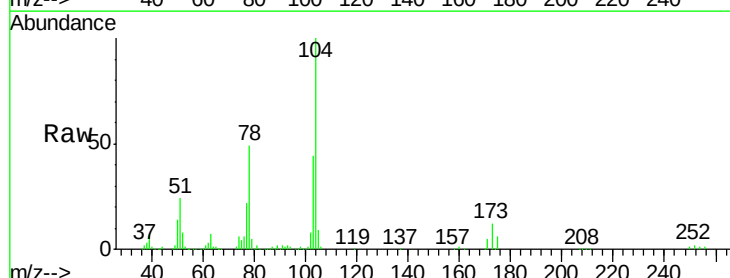
Manual Integrations
APPROVED

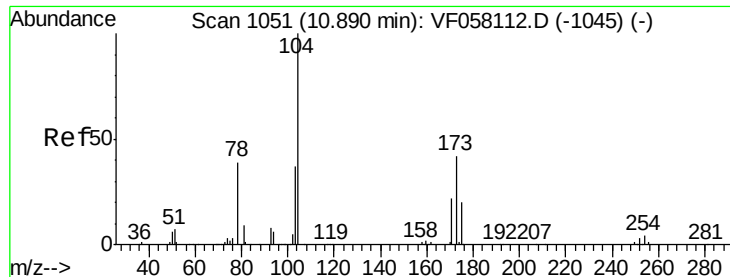
apatel
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#70
Styrene
Concen: 19.322 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion:104 Resp: 169462
Ion Ratio Lower Upper
104 100
78 49.3 38.4 57.6
103 44.4 37.0 55.6





#71

Bromoform

Concen: 23.307 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

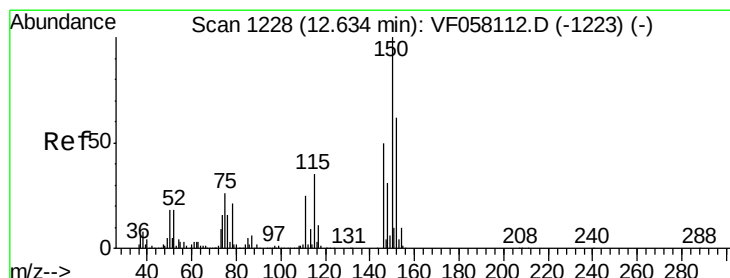
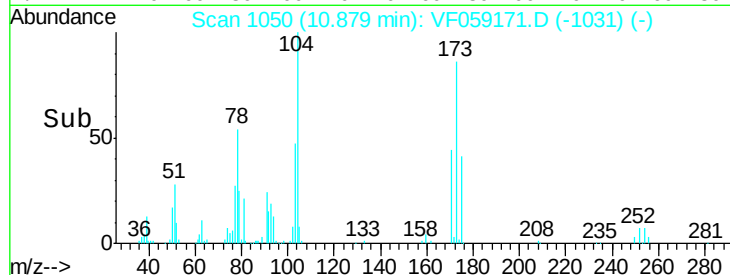
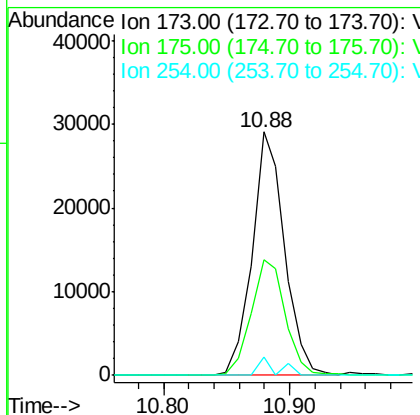
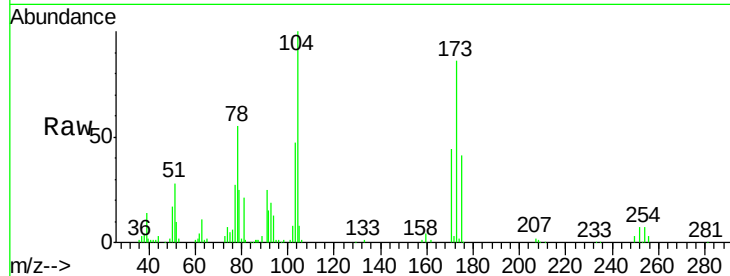
ClientSampleId :

VF0618SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	74.0
254	7.5	7.8	11.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

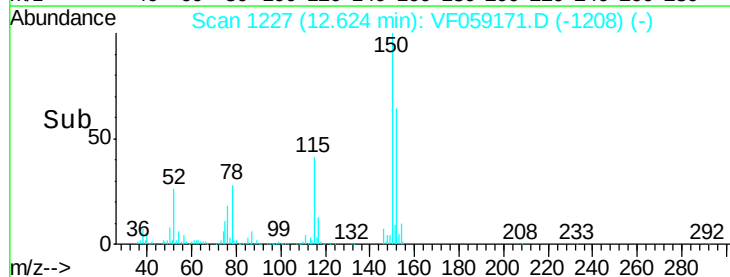
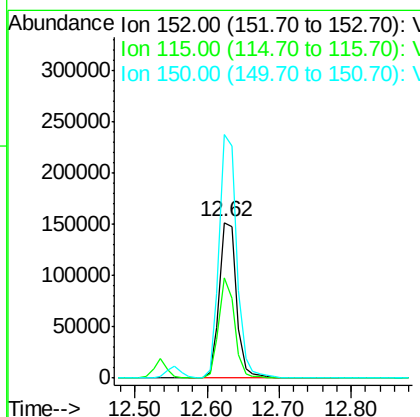
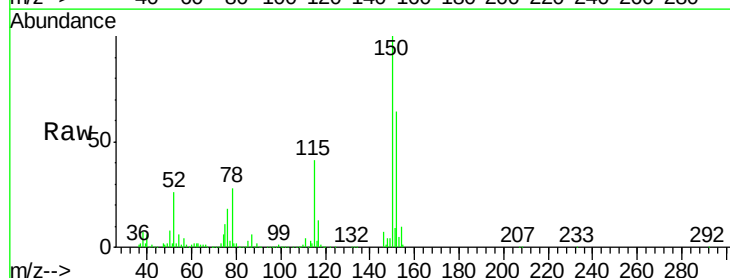
RT: 12.62 min Scan# 1227

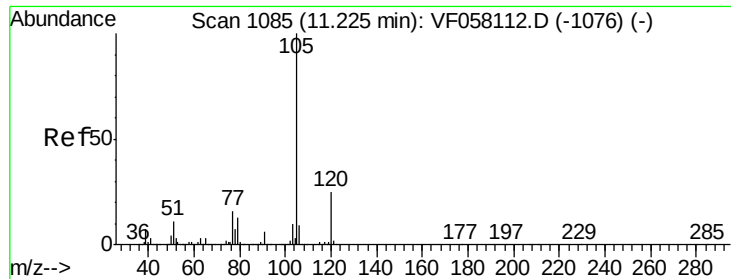
Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	28.5	85.5
150	156.4	0.0	323.8





#73

Isopropylbenzene

Concen: 20.332 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion:105 Resp: 352573

Ion Ratio Lower Upper

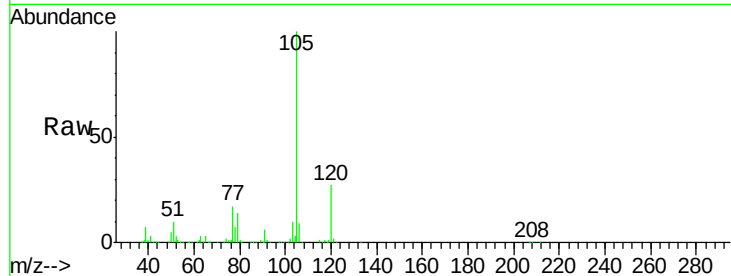
105 100

120 26.6 12.7 38.1

Manual Integrations
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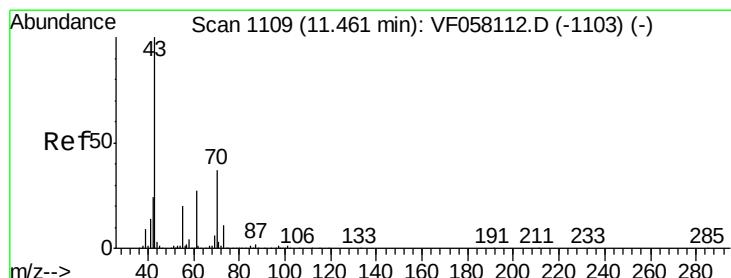
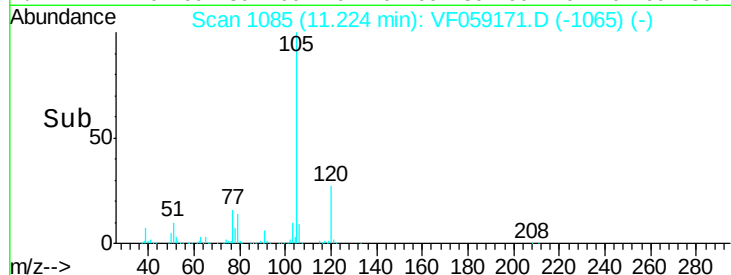
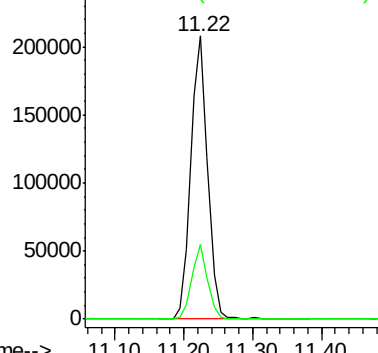
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.615 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion: 43 Resp: 127698

Ion Ratio Lower Upper

43 100

70 35.2 29.2 43.8

55 21.8 15.8 23.6

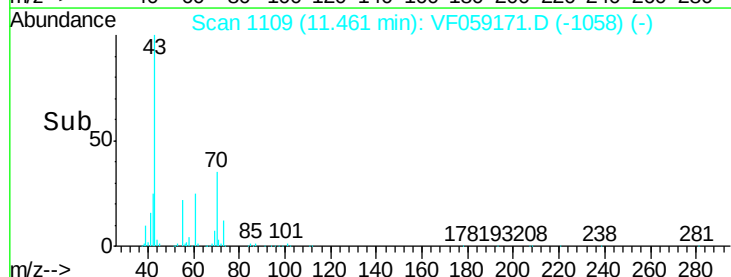
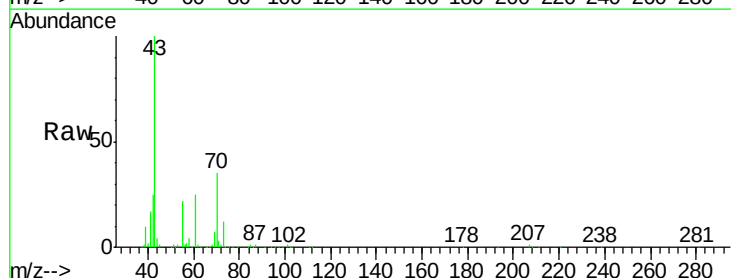
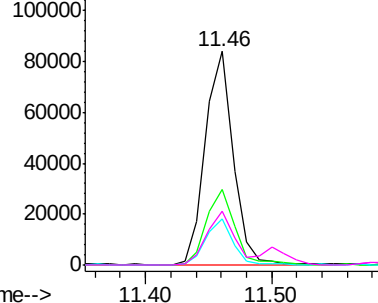
61 25.3 21.3 31.9

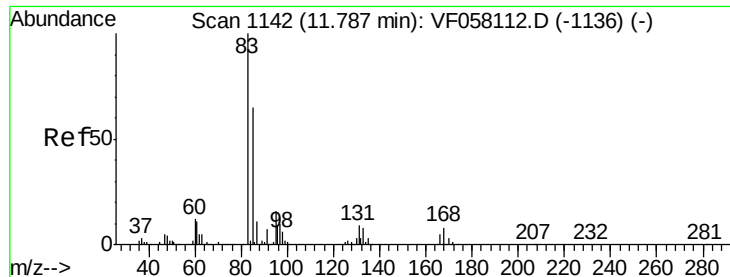
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 20.326 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

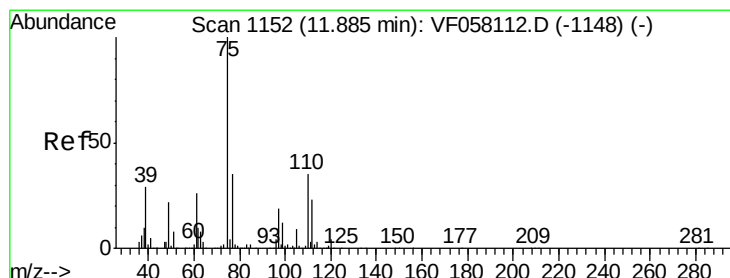
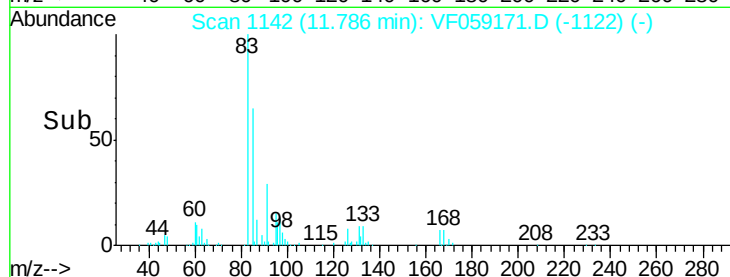
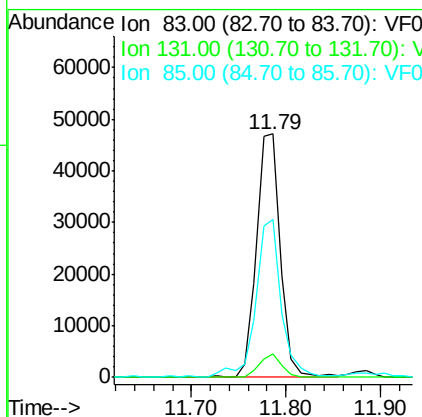
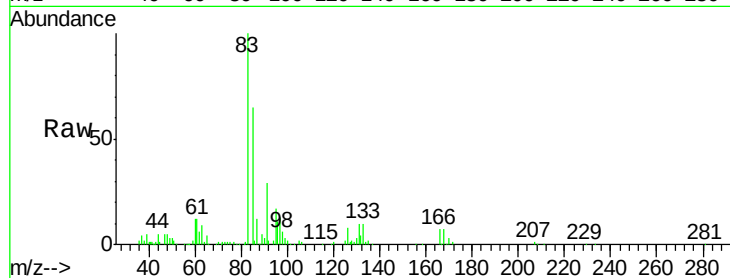
ClientSampleId :

VF0618SBS01

Tot Ion:	83	Resp:	83562
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.5	13.7
85	64.8	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.065 ug/l

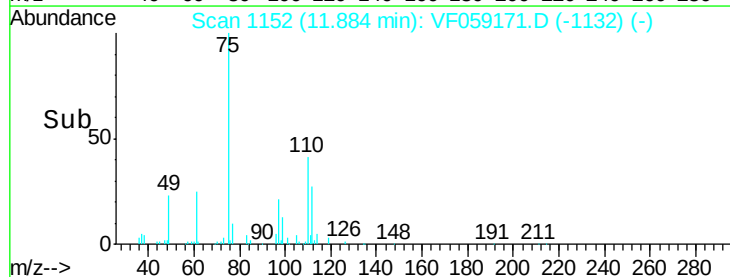
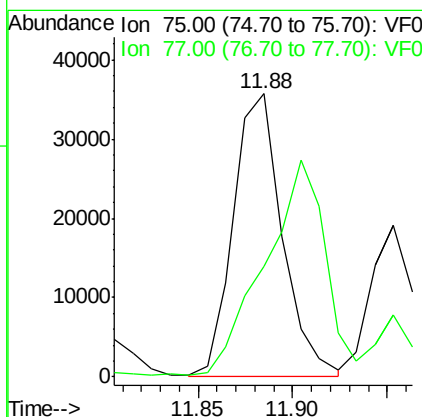
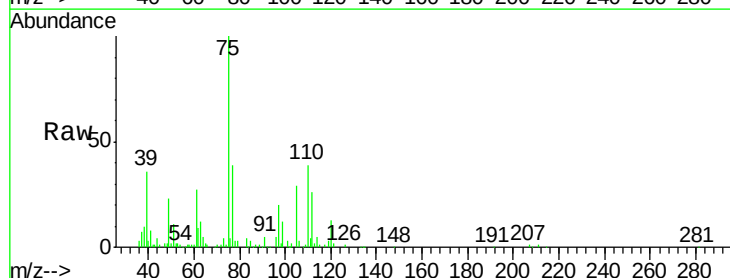
RT: 11.88 min Scan# 1152

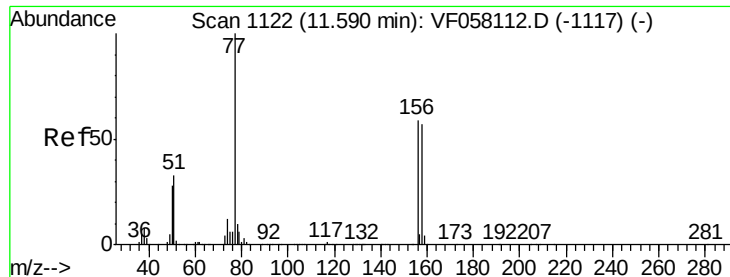
Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	75	Resp:	63960
Ion Ratio	Lower	Upper	
75	100		
77	38.9	17.5	52.5





#77

Bromobenzene

Concen: 21.130 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

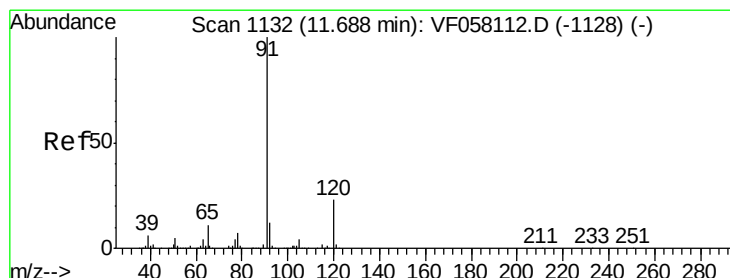
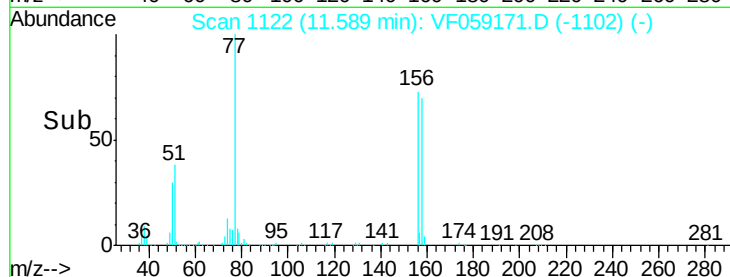
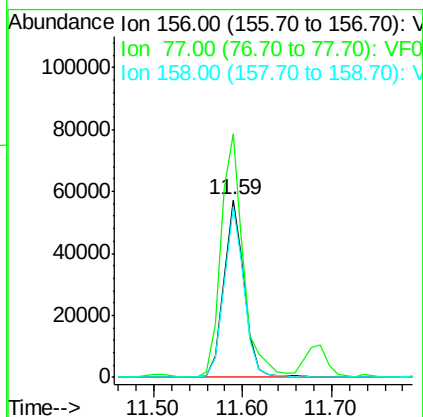
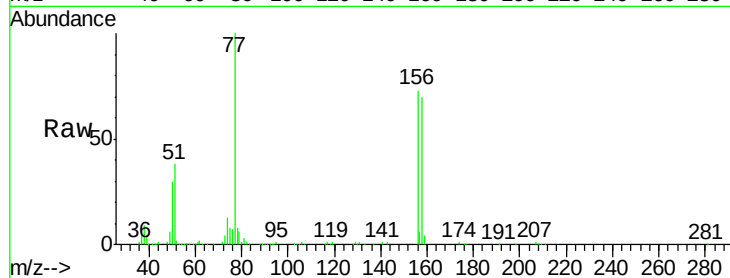
ClientSampleId :

VF0618SBS01

Tot Ion:	156	Resp:	92213
Ion Ratio	Lower	Upper	
156	100		
77	137.4	84.8	254.4
158	96.5	47.9	143.7

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#78

n-propylbenzene

Concen: 19.721 ug/l

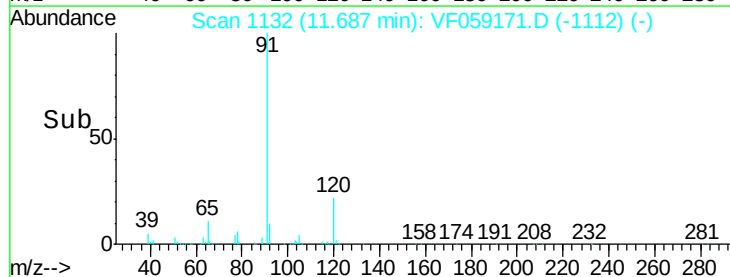
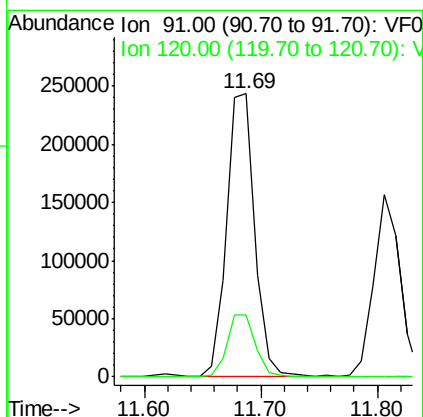
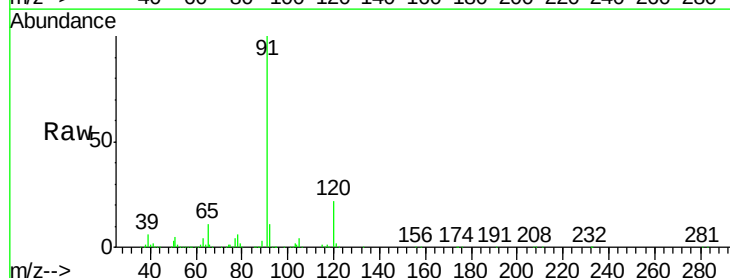
RT: 11.69 min Scan# 1132

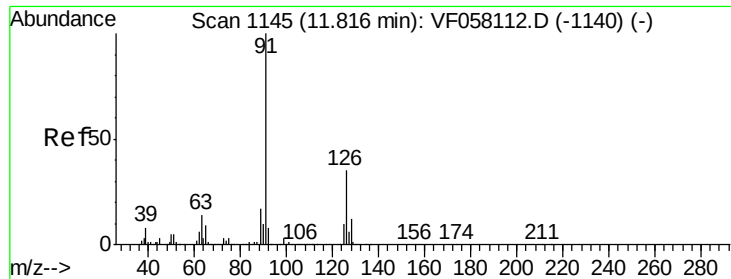
Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	91	Resp:	404773
Ion Ratio	Lower	Upper	
91	100		
120	21.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.061 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBSD01

Tot Ion: 91 Resp: 243252

Ion Ratio Lower Upper

91 100

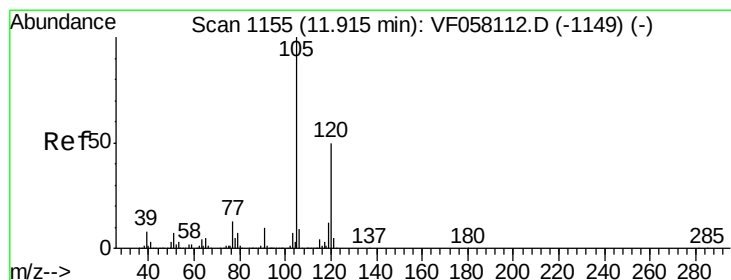
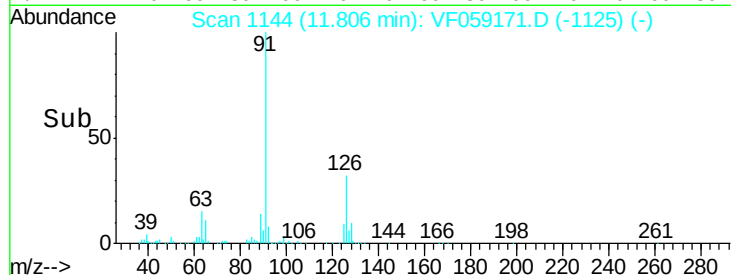
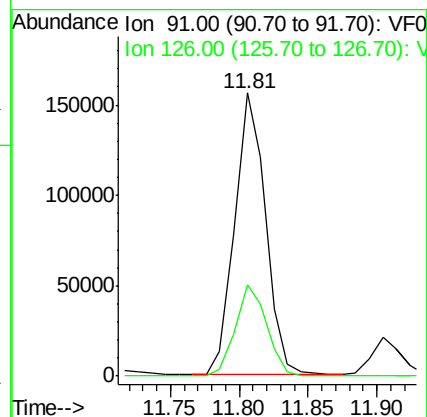
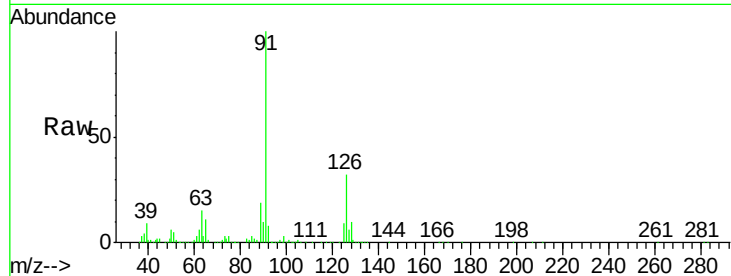
126 32.2 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 20.910 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059171.D

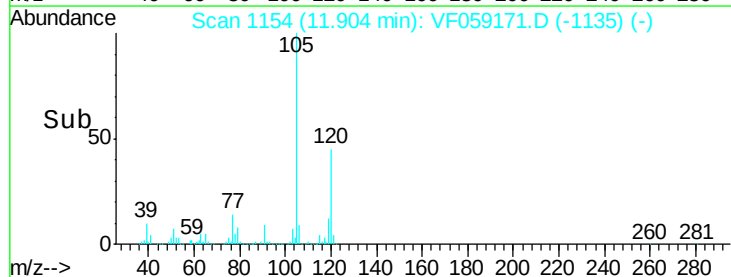
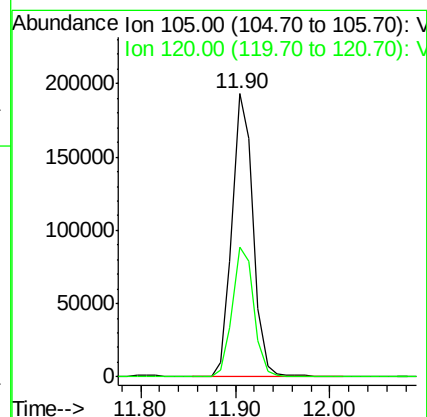
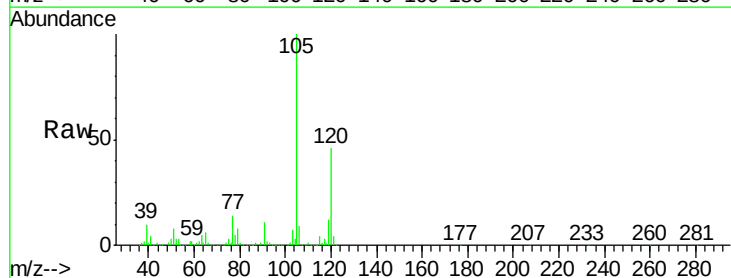
Acq: 18 Jun 2018 13:10

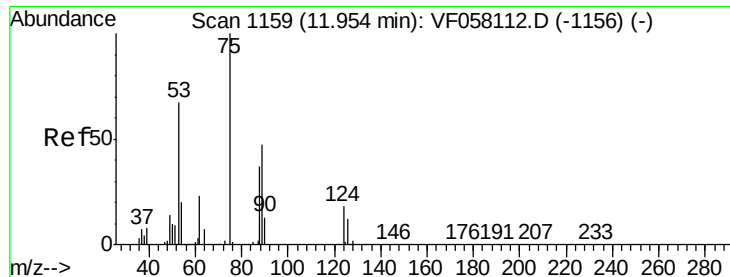
Tgt Ion: 105 Resp: 300107

Ion Ratio Lower Upper

105 100

120 45.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.812 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion: 75 Resp: 39001

Ion Ratio Lower Upper

75 100

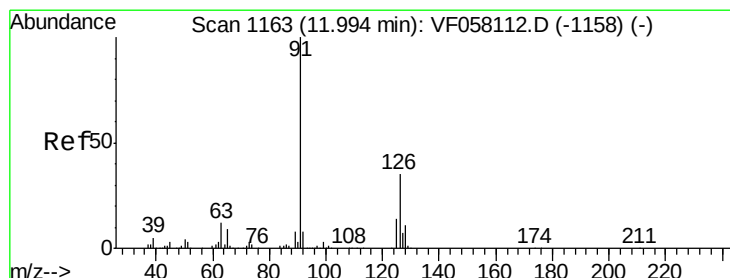
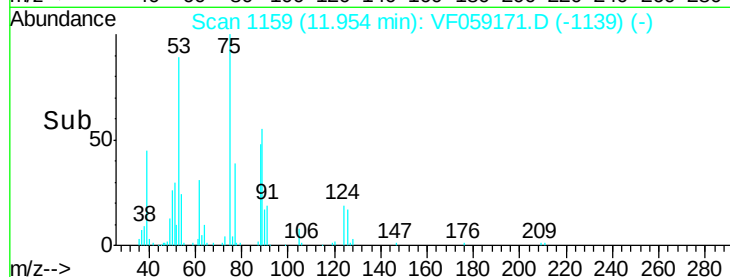
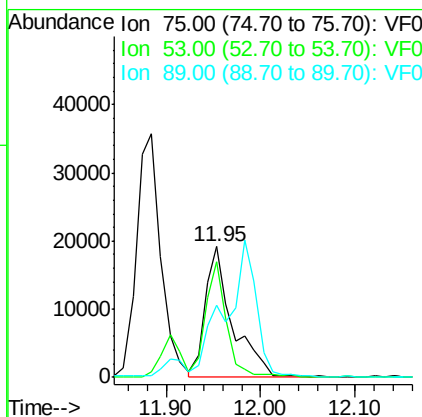
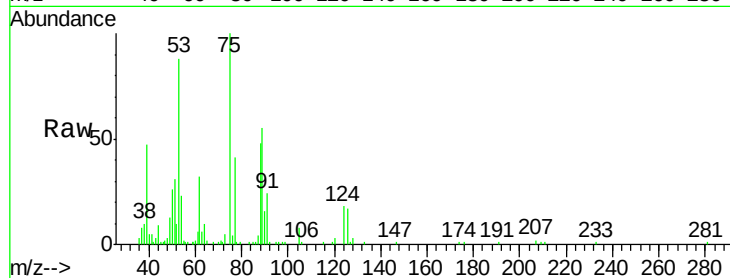
53 88.4 58.7 88.1#

89 54.9 39.8 59.6

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#82

4-Chlorotoluene

Concen: 20.436 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059171.D

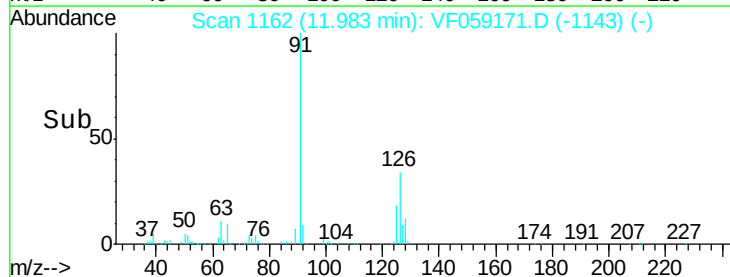
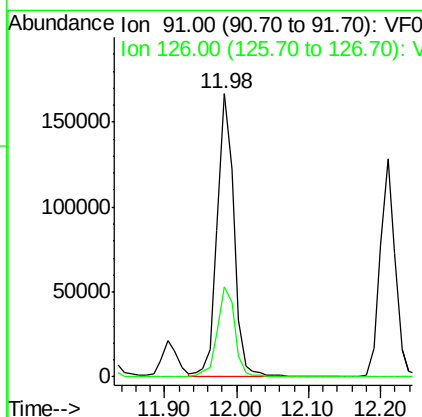
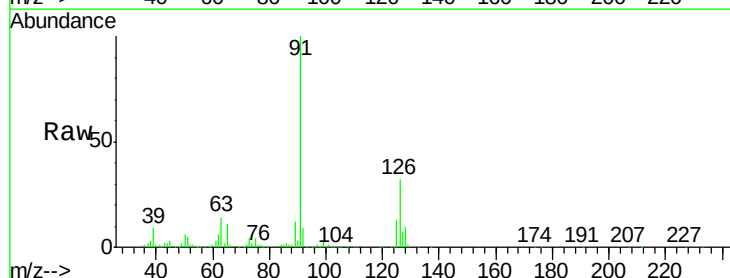
Acq: 18 Jun 2018 13:10

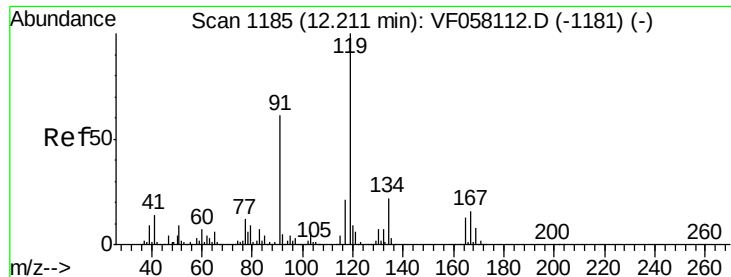
Tgt Ion: 91 Resp: 263808

Ion Ratio Lower Upper

91 100

126 31.7 17.4 52.2





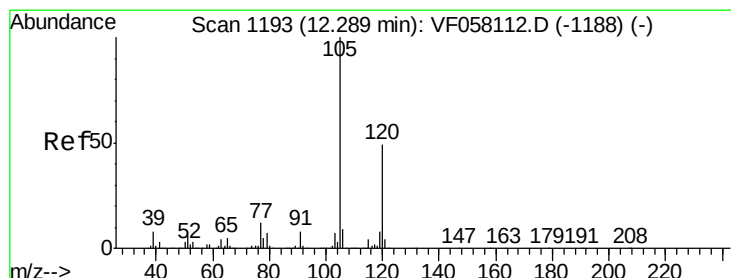
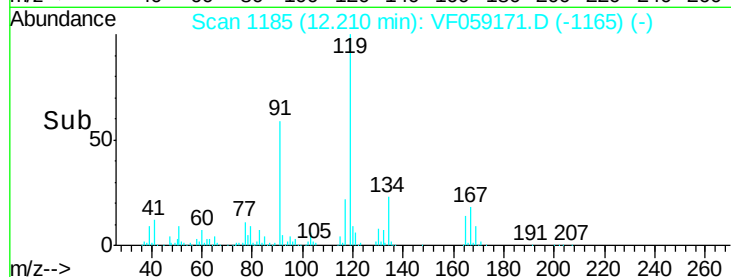
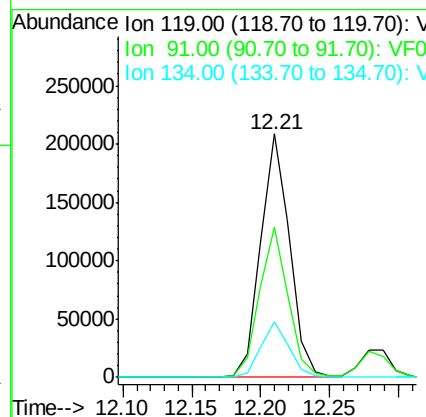
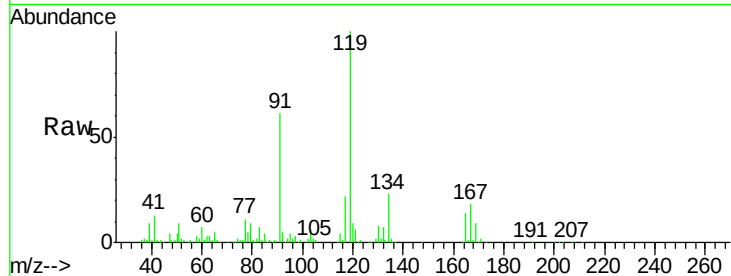
#83
 tert-Butylbenzene
 Concen: 21.592 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	307699		
91	61.5	30.4	91.3	
134	23.0	11.2	33.5	

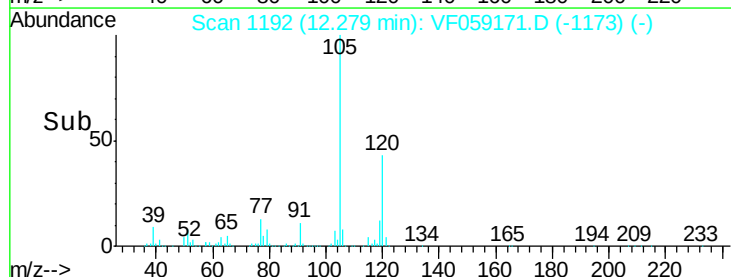
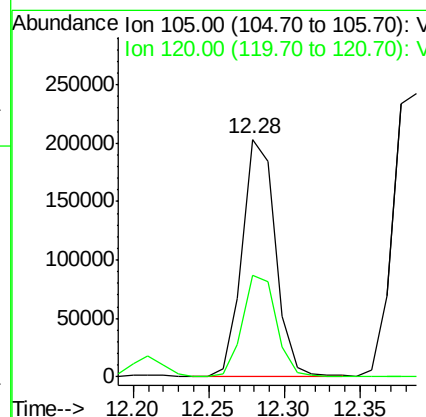
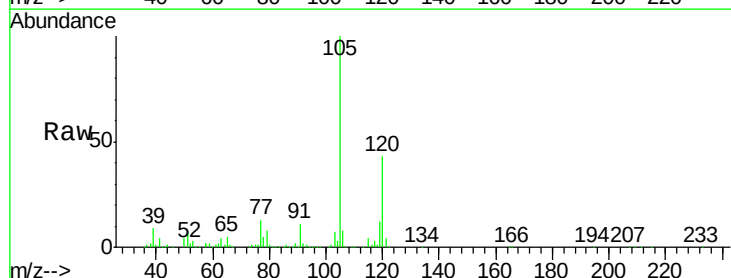
Manual Integrations
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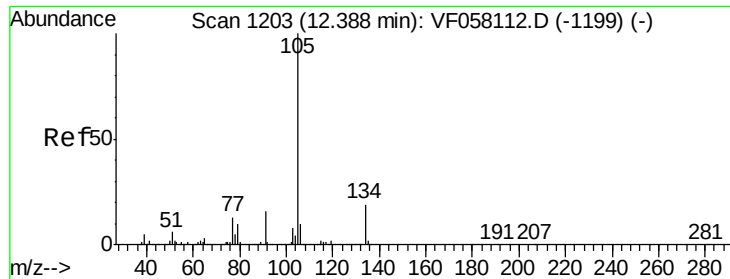
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.955 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	311617		
120	42.6	24.7	74.1	





#85

sec-Butylbenzene

Concen: 20.235 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0618SBS01

Tot Ion:105 Resp: 391839

Ion Ratio Lower Upper

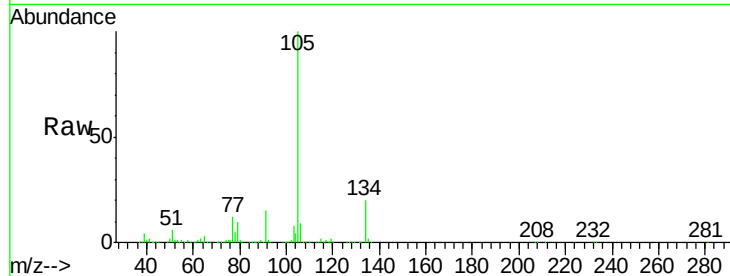
105 100

134 20.2 9.6 28.6

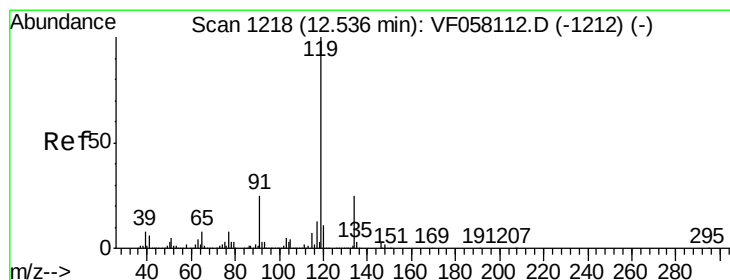
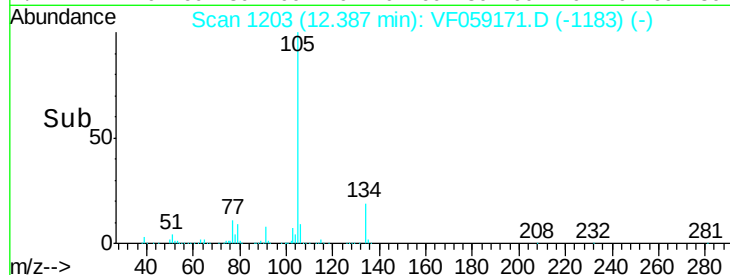
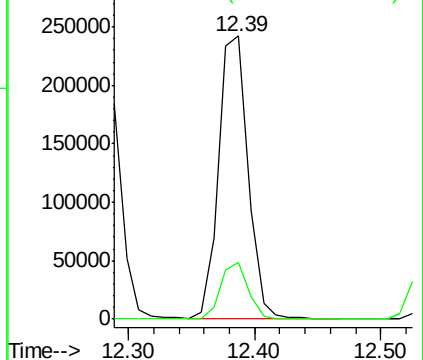
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.206 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

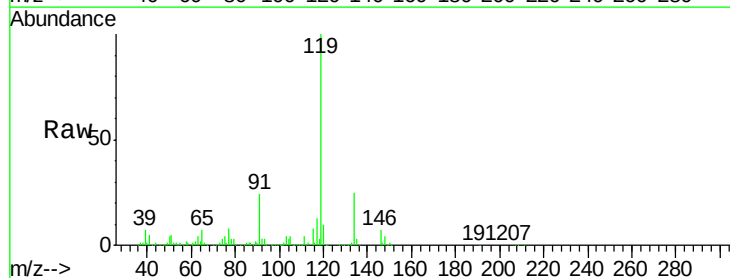
Tgt Ion:119 Resp: 337278

Ion Ratio Lower Upper

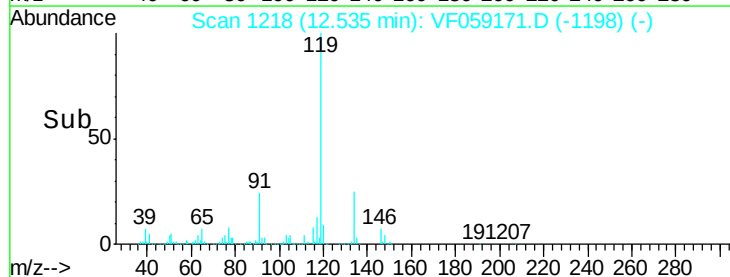
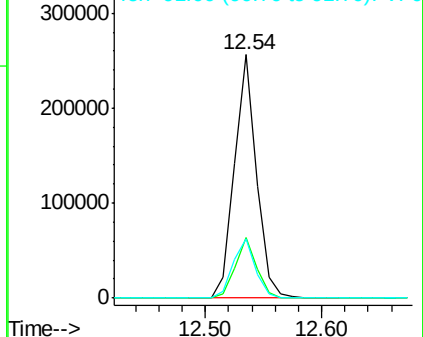
119 100

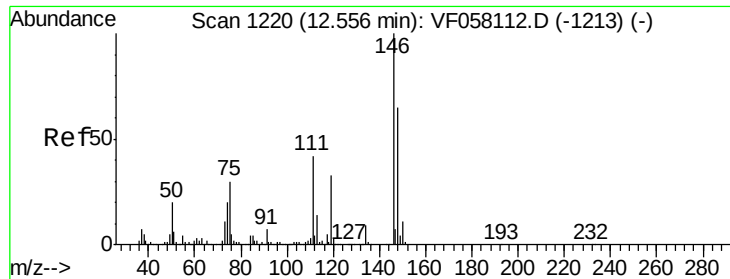
134 25.0 12.7 38.0

91 24.4 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): V





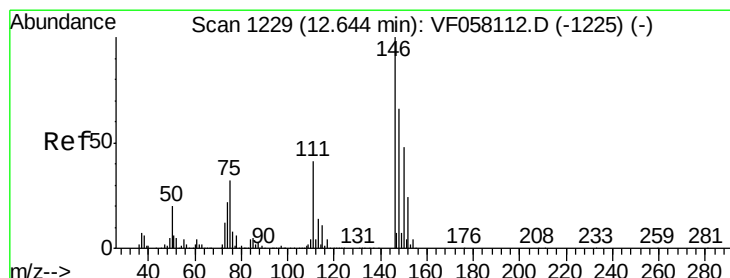
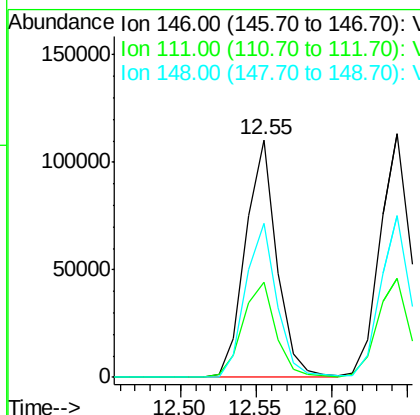
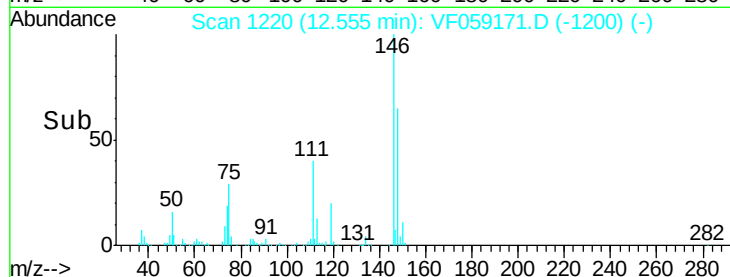
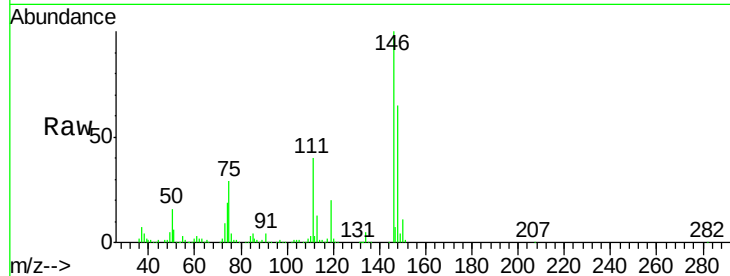
#87
 1,3-Dichlorobenzene
 Concen: 19.843 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.5
148	65.1	32.3	96.9

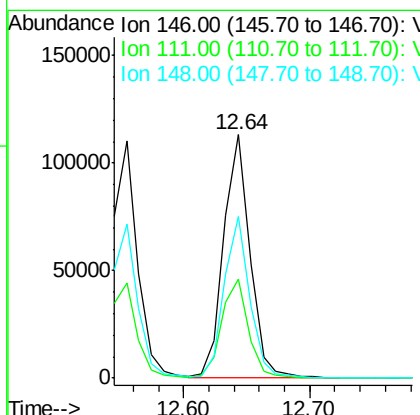
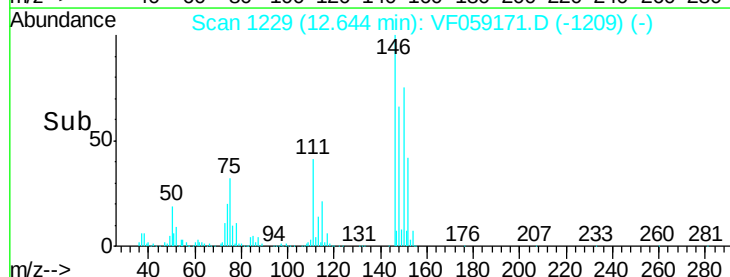
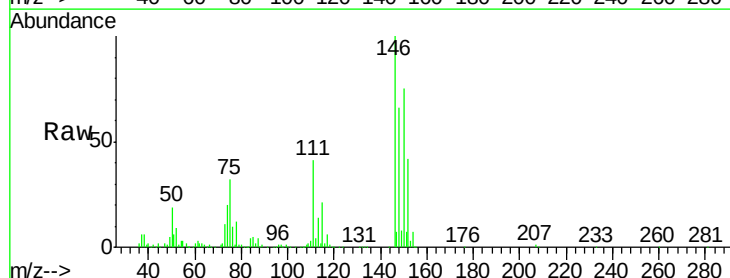
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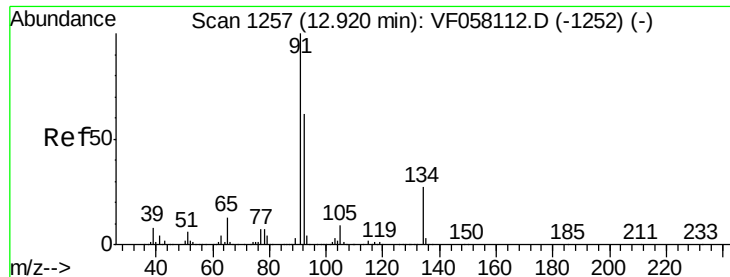
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#88
 1,4-Dichlorobenzene
 Concen: 20.858 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059171.D
 Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.2
148	66.4	33.0	99.0





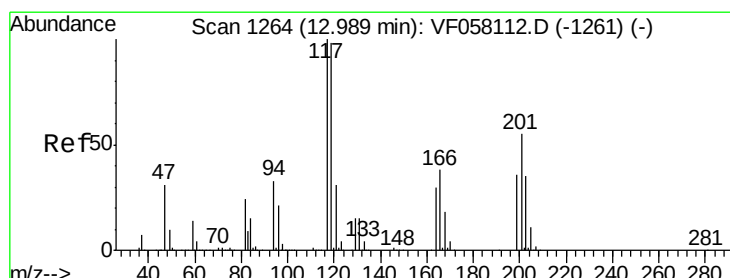
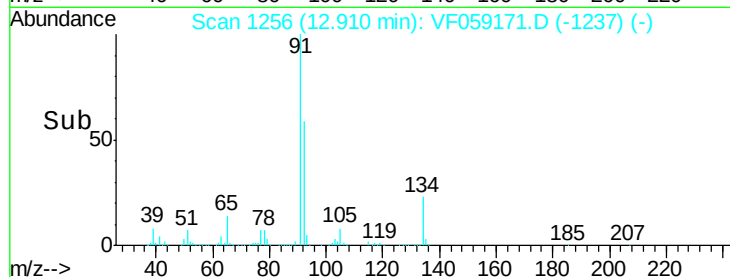
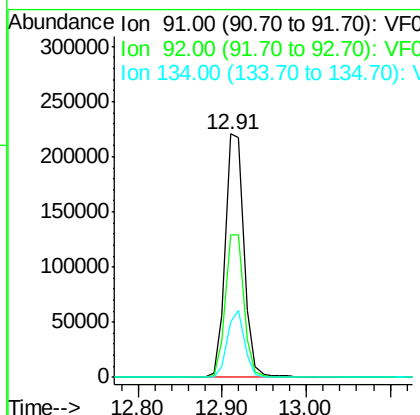
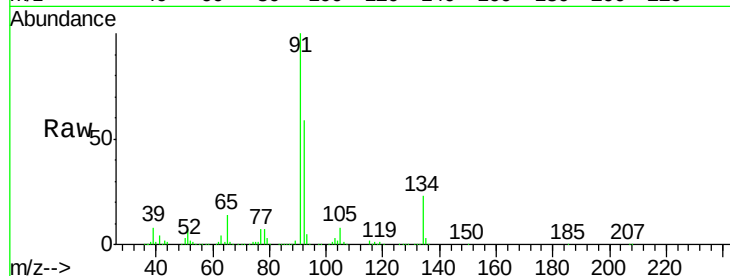
#89
n-Butylbenzene
Concen: 18.634 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.6	31.1	93.5
134	22.6	13.6	40.8

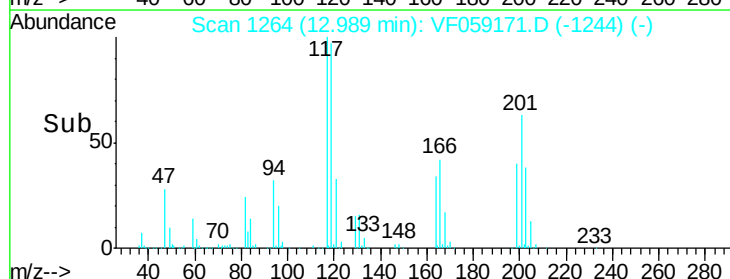
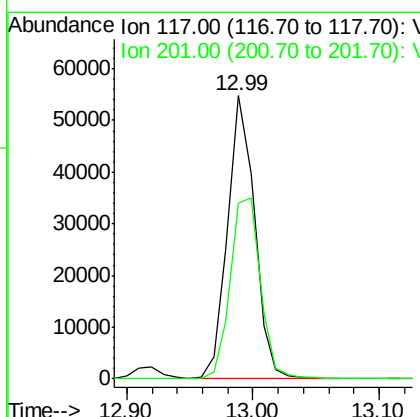
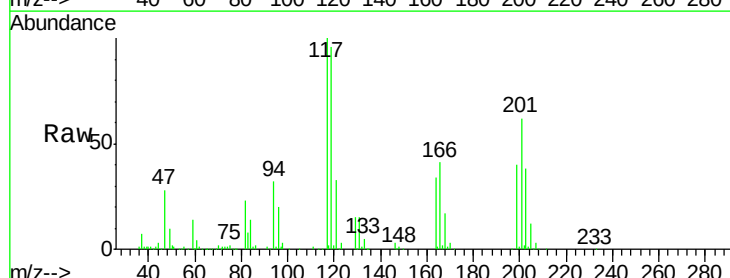
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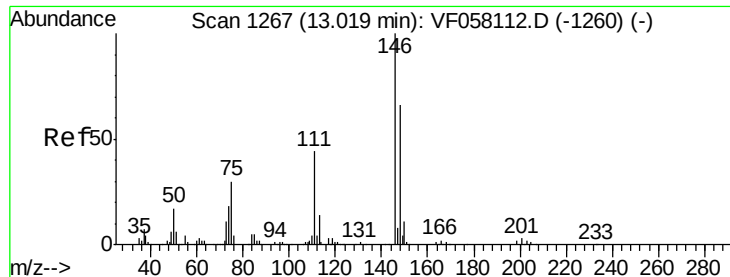
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#90
Hexachloroethane
Concen: 20.680 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.3	27.5	82.4





#91

1,2-Dichlorobenzene

Concen: 21.580 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

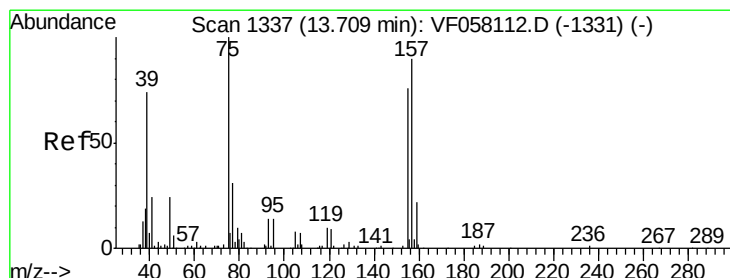
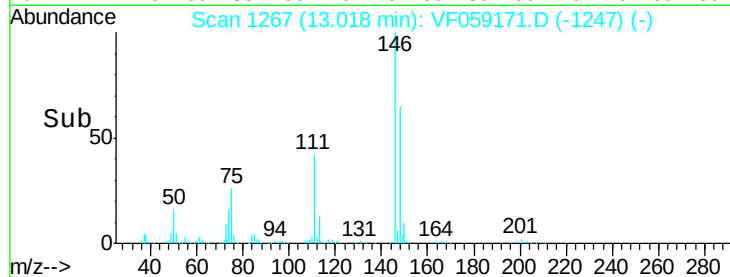
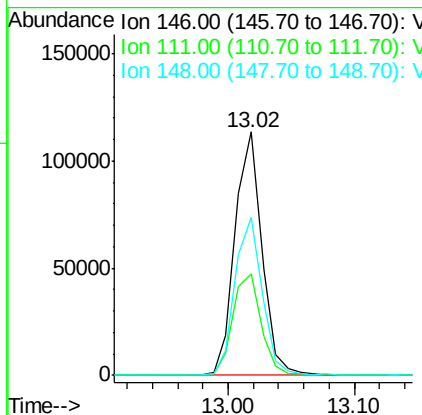
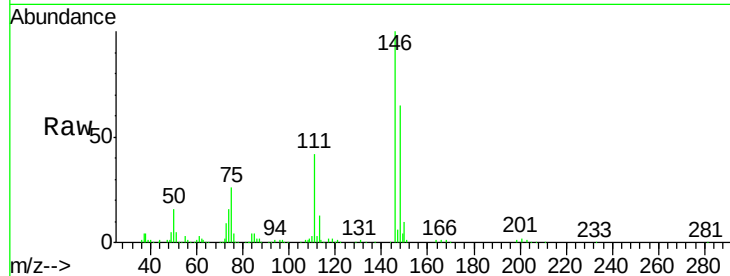
ClientSampleId :

VF0618SBS01

Tot Ion:	146	Resp:	167503
Ion Ratio	Lower	Upper	
146	100		
111	41.6	22.0	66.0
148	64.8	33.1	99.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.966 ug/l

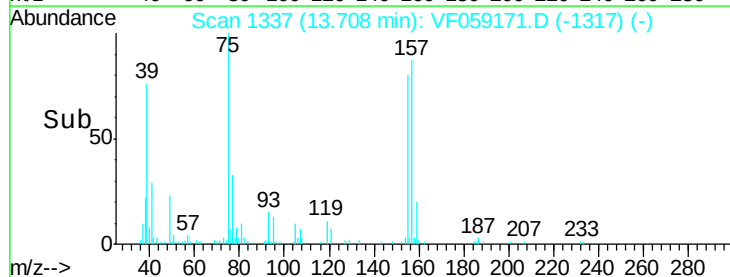
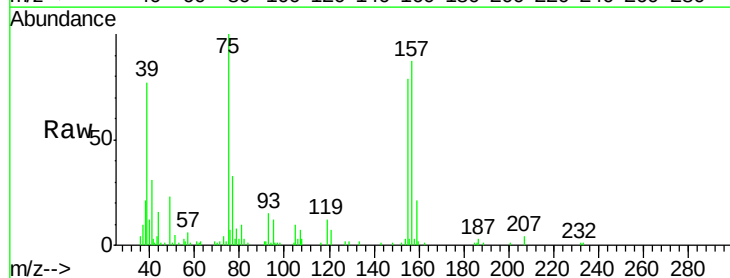
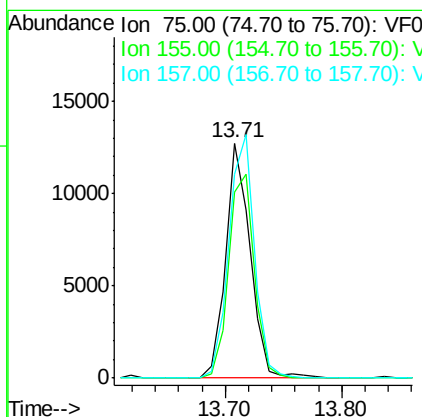
RT: 13.71 min Scan# 1337

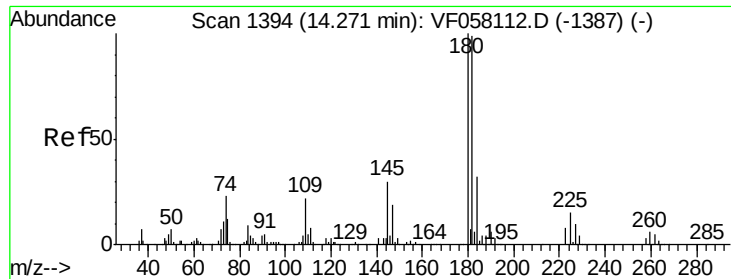
Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	75	Resp:	18520
Ion Ratio	Lower	Upper	
75	100		
155	79.0	38.0	114.0
157	86.6	45.1	135.5





#93

1,2,4-Trichlorobenzene

Concen: 22.248 ug/l

RT: 14.26 min Scan# 1393

Delta R.T. -0.01 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Instrument :

MSVOA_F

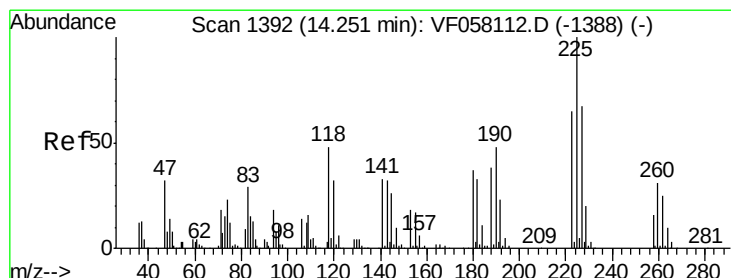
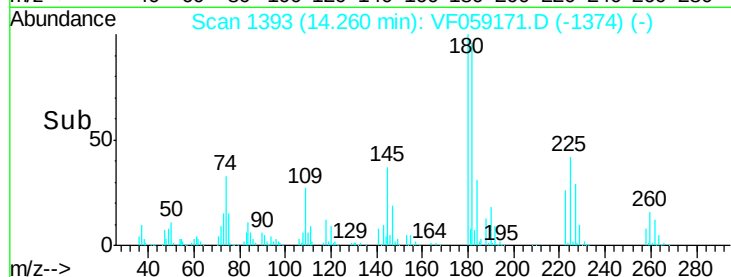
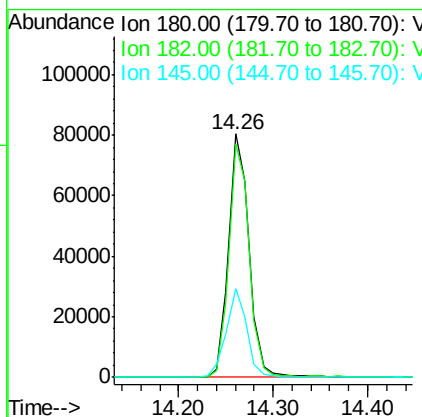
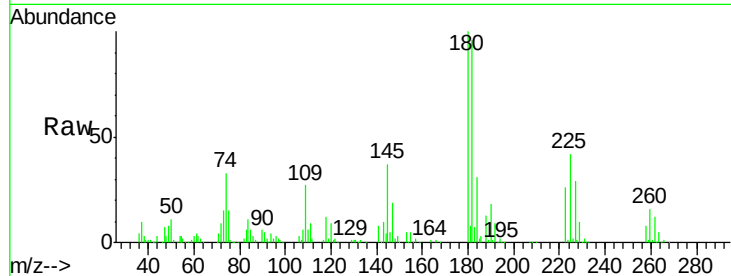
ClientSampleId :

VF0618SBS01

Tot Ion:	180	Resp:	120788
Ion Ratio	Lower	Upper	
180	100		
182	95.7	49.3	147.9
145	36.6	14.9	44.9

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#94

Hexachlorobutadiene

Concen: 21.746 ug/l

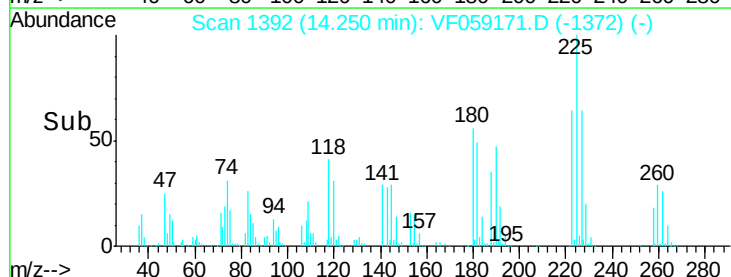
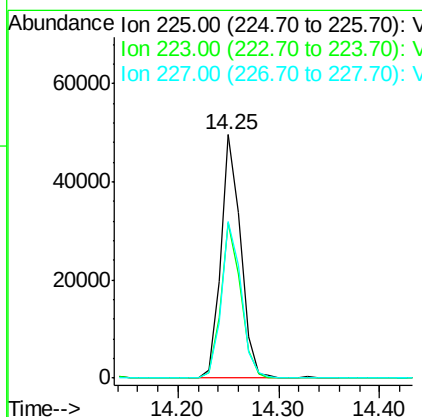
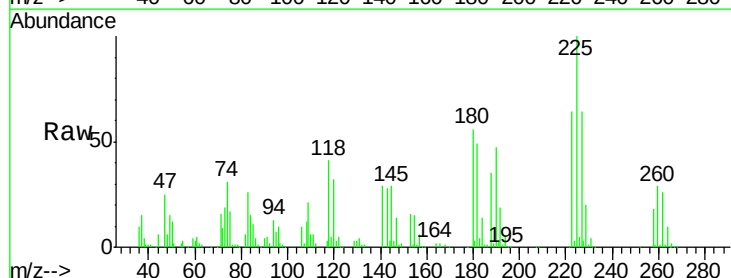
RT: 14.25 min Scan# 1392

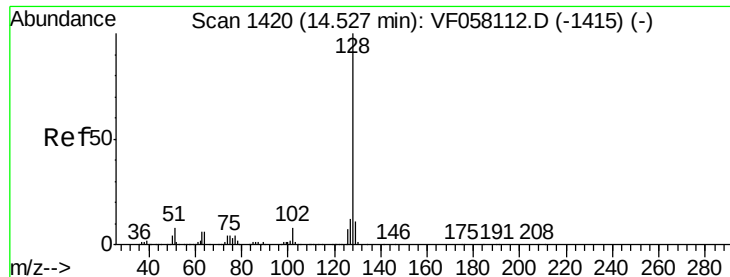
Delta R.T. -0.00 min

Lab File: VF059171.D

Acq: 18 Jun 2018 13:10

Tgt Ion:	225	Resp:	68319
Ion Ratio	Lower	Upper	
225	100		
223	64.0	32.8	98.3
227	64.3	33.3	99.9





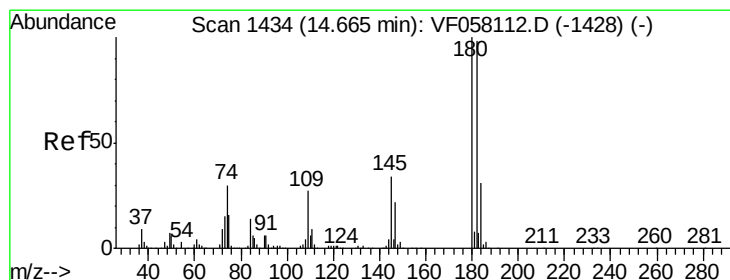
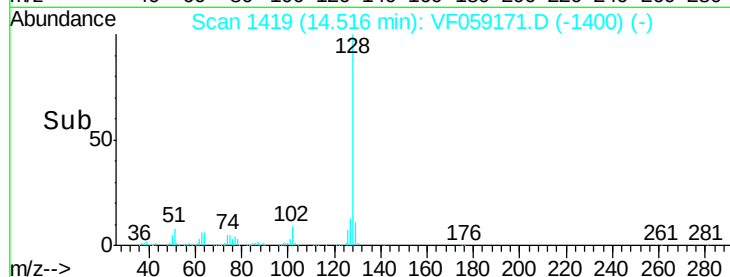
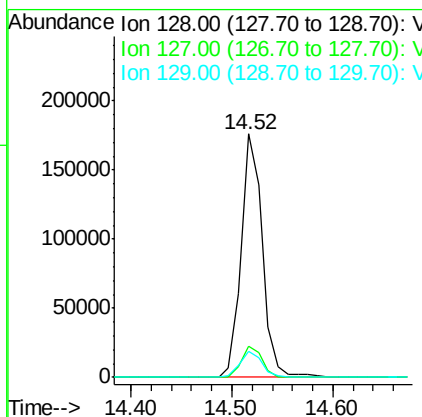
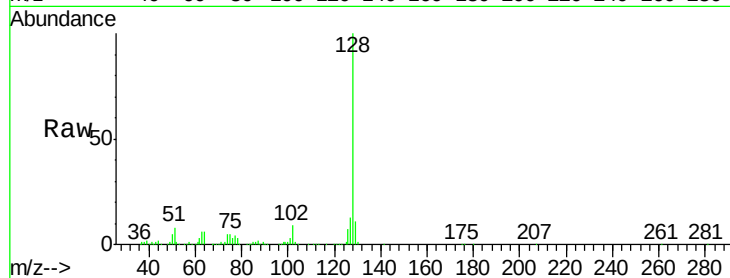
#95
Naphthalene
Concen: 22.237 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0618SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	257868		
127	12.9		9.9	14.9
129	10.8		8.7	13.1

Manual Integrations
APPROVED

apatel
6/19/2018 3:33:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.807 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059171.D
Acq: 18 Jun 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114425		
182	96.2		48.9	146.6
145	32.4		17.3	51.7

