

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059452.D
 Acq On : 6 Jul 2018 16:28
 Operator : VA/AP
 Sample : VF0706SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

Manual Integrations
 APPROVED

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 7/9/2018 12:22:22 PM

Quant Time: Jul 09 11:14:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	253333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	380581	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	373435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	239773	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	154954	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	4.27	113	135324	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	7.69	98	304450	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
62) 4-Bromofluorobenzene	11.50	95	182798	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	50766	21.93	ug/l	98
3) Chloromethane	1.08	50	28027	18.02	ug/l	98
4) Vinyl Chloride	1.14	62	31454	20.55	ug/l	98
5) Bromomethane	1.33	94	19817	20.17	ug/l	92
6) Chloroethane	1.41	64	15972	20.72	ug/l	95
7) Trichlorofluoromethane	1.47	101	63815m	21.08	ug/l	
8) Diethyl Ether	1.69	74	15347	19.78	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.89	101	39536	22.38	ug/l	95
10) Methyl Iodide	1.95	142	64563	20.04	ug/l	99
11) Tert butyl alcohol	2.67	59	22031m	101.11	ug/l	
12) 1,1-Dichloroethene	1.85	96	34989	23.43	ug/l	82
13) Acrolein	2.08	56	9081	73.77	ug/l	87
14) Allyl chloride	2.17	41	59568	21.25	ug/l	99
15) Acrylonitrile	3.06	53	46244	120.52	ug/l	91
16) Acetone	2.32	43	94154	109.45	ug/l	100
17) Carbon Disulfide	1.86	76	66072	18.81	ug/l	99
18) Methyl Acetate	2.44	43	35579	23.47	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	120379	21.61	ug/l #	93
20) Methylene Chloride	2.26	84	44697m	19.90	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	36298	22.78	ug/l	86
22) Diisopropyl ether	2.91	45	135033	21.75	ug/l	99
23) Vinyl Acetate	3.31	43	444361	112.38	ug/l	99
24) 1,1-Dichloroethane	2.98	63	82088	21.33	ug/l	98
25) 2-Butanone	4.49	43	107450	106.95	ug/l	99
26) 2,2-Dichloropropane	3.74	77	64662	24.36	ug/l	98
27) cis-1,2-Dichloroethene	3.60	96	52073	21.53	ug/l	86
28) Bromochloromethane	3.87	49	39131	24.29	ug/l	93
29) Tetrahydrofuran	4.23	42	48363	109.92	ug/l	94
30) Chloroform	4.01	83	125379	22.50	ug/l	100
31) Cyclohexane	3.84	56	52836	20.95	ug/l #	87
32) 1,1,1-Trichloroethane	4.25	97	95519	23.42	ug/l	94
36) 1,1-Dichloropropene	4.43	75	77522	23.32	ug/l	94
37) Ethyl Acetate	4.27	43	47259	21.37	ug/l	94
38) Carbon Tetrachloride	4.14	117	98332m	23.44	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	63258	21.47	ug/l	93
40) Benzene	4.78	78	157701	21.39	ug/l	99
41) Methacrylonitrile	4.90	41	22363	19.72	ug/l	91
42) 1,2-Dichloroethane	5.10	62	99013	22.99	ug/l	95
43) Isopropyl Acetate	7.09	43	60751	21.94	ug/l	99
44) Trichloroethene	5.65	130	57110	22.58	ug/l	98
45) 1,2-Dichloropropane	6.38	63	45370	21.54	ug/l	98
46) Dibromomethane	6.23	93	39446	21.58	ug/l	90
47) Bromodichloromethane	6.53	83	97265	21.98	ug/l	96
48) Methyl methacrylate	6.85	41	38474	20.73	ug/l	95
49) 1,4-Dioxane	6.84	88	3646	340.09	ug/l	85
51) 4-Methyl-2-Pentanone	8.38	43	215732	105.15	ug/l	100
52) Toluene	7.75	92	113828	20.64	ug/l	95
53) t-1,3-Dichloropropene	8.40	75	90524	22.44	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	91005	20.77	ug/l	91
55) 1,1,2-Trichloroethane	8.62	97	47347	22.11	ug/l	95
56) Ethyl methacrylate	8.74	69	53589	20.20	ug/l	94
57) 1,3-Dichloropropane	8.97	76	74411	20.26	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.75	63	21948	110.31	ug/l	100
59) 2-Hexanone	9.60	43	198184	119.78	ug/l	91
60) Dibromochloromethane	8.83	129	72879	22.04	ug/l	90
61) 1,2-Dibromoethane	9.11	107	53340	20.54	ug/l	98
64) Tetrachloroethene	8.29	164	49563	20.46	ug/l	95
65) Chlorobenzene	9.92	112	152360	22.02	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.05	131	70379	23.52	ug/l	96
67) Ethyl Benzene	10.02	91	273302	23.28	ug/l	99
68) m/p-Xylenes	10.24	106	195470	46.78	ug/l	96
69) o-Xylene	10.82	106	102723	21.98	ug/l	96
70) Styrene	10.89	104	165537	23.25	ug/l	99
71) Bromoform	10.88	173	47022	22.92	ug/l	93
73) Isopropylbenzene	11.21	105	315266	22.57	ug/l	97
74) N-amyl acetate	11.45	43	107031	21.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	74774	21.20	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	56477	21.22	ug/l	97
77) Bromobenzene	11.59	156	84733	21.86	ug/l	83
78) n-propylbenzene	11.67	91	373117	22.24	ug/l	98
79) 2-Chlorotoluene	11.80	91	226342	22.08	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	274475	22.43	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	34244	21.62	ug/l	95
82) 4-Chlorotoluene	11.98	91	240991	21.95	ug/l	97
83) tert-Butylbenzene	12.21	119	294863	24.09	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	289483	22.46	ug/l	96
85) sec-Butylbenzene	12.37	105	374904	23.11	ug/l	98
86) p-Isopropyltoluene	12.52	119	320586	23.55	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	162862	22.97	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	155071	22.41	ug/l	99
89) n-Butylbenzene	12.91	91	327362	23.69	ug/l	93
90) Hexachloroethane	12.98	117	77944	22.97	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	161008	22.88	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15417	19.71	ug/l	79

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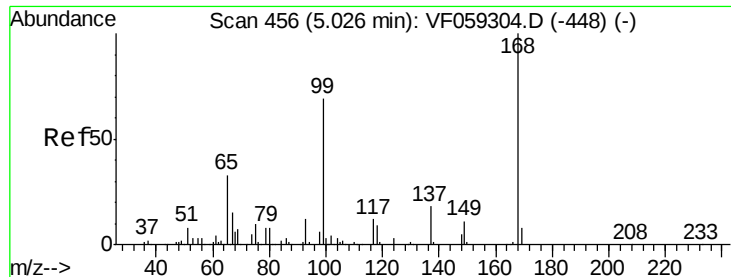
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	120275	23.12	ug/l	94
94) Hexachlorobutadiene	14.25	225	69391	23.88	ug/l	94
95) Naphthalene	14.51	128	241768	22.21	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	115318	23.40	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion:168 Resp: 253333

Ion Ratio Lower Upper

168 100

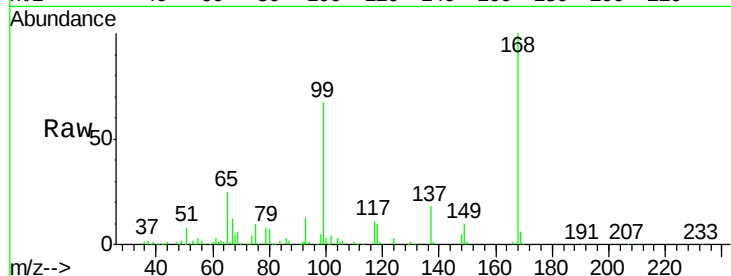
99 66.7 54.9 82.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

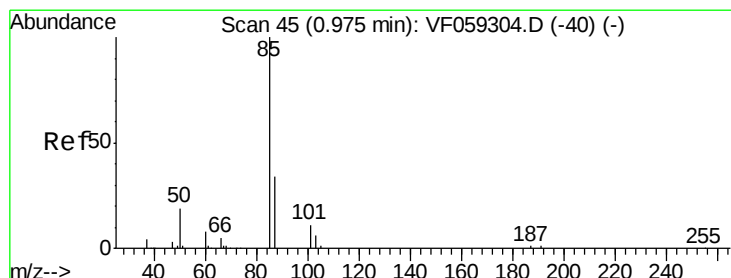
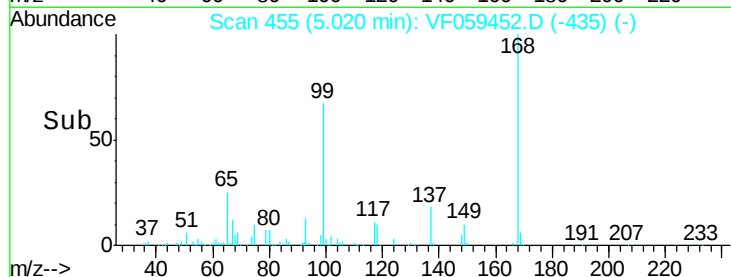
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.93 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059452.D

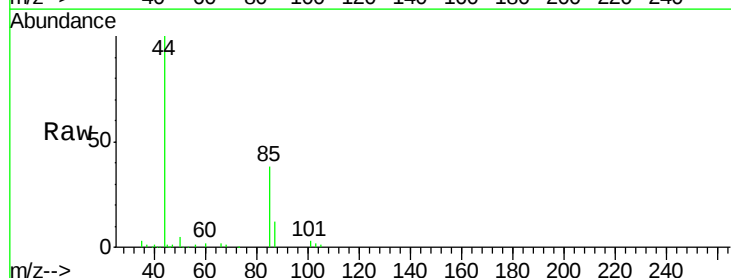
Acq: 6 Jul 2018 16:28

Tgt Ion: 85 Resp: 50766

Ion Ratio Lower Upper

85 100

87 32.8 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

15000

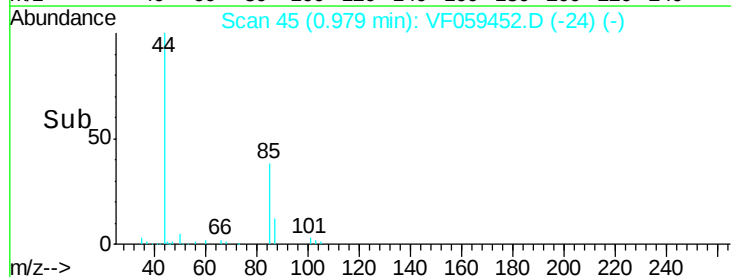
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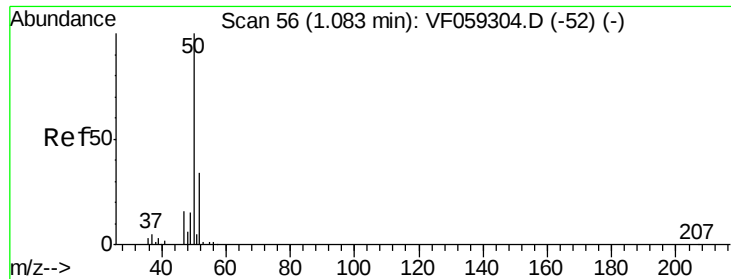
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 18.02 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 50 Resp: 28027

Ion Ratio Lower Upper

50 100

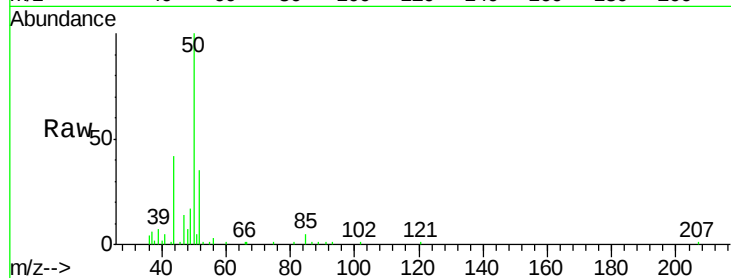
52 34.6 26.7 40.1

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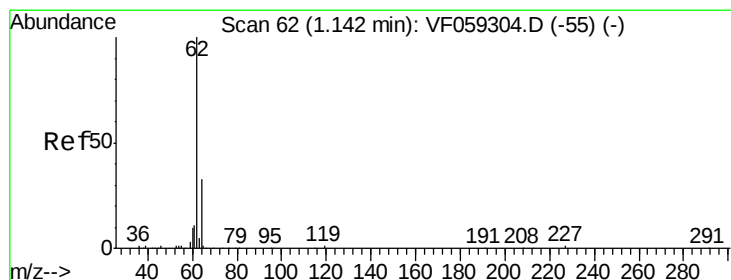
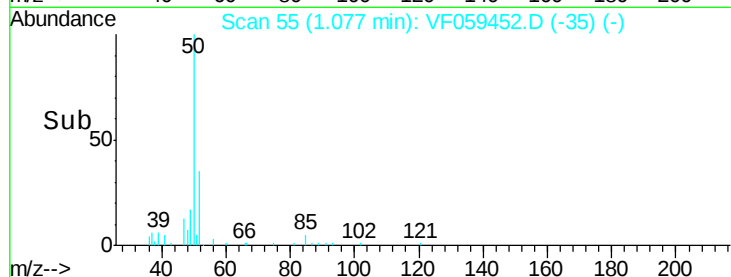
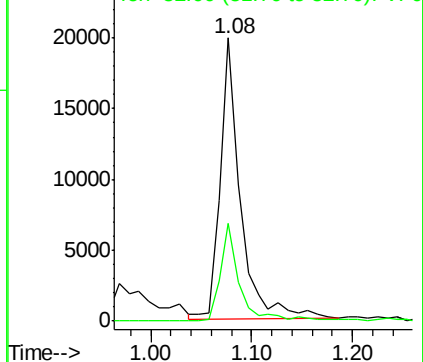
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 20.55 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059452.D

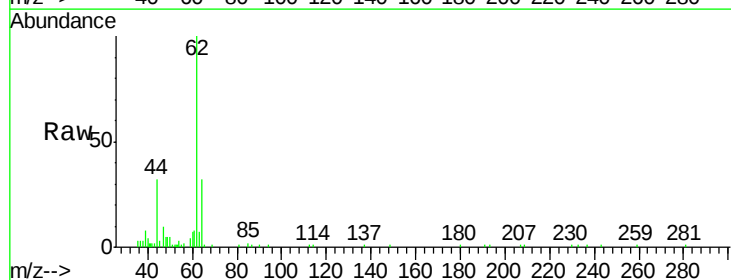
Acq: 6 Jul 2018 16:28

Tgt Ion: 62 Resp: 31454

Ion Ratio Lower Upper

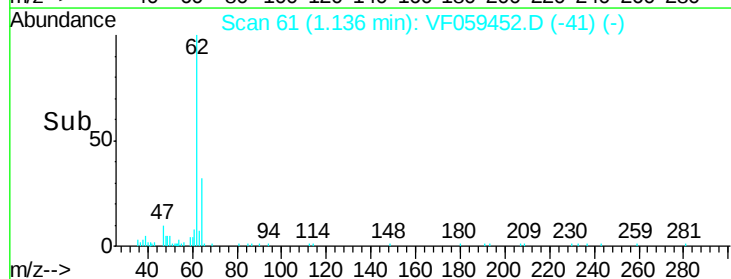
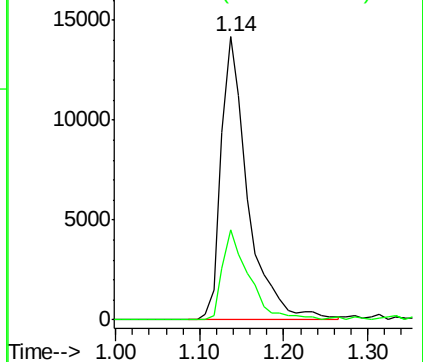
62 100

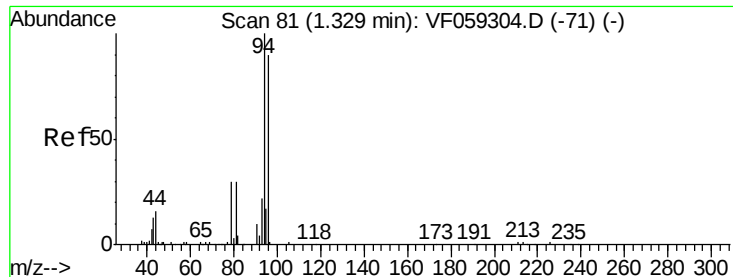
64 31.7 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.17 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 94 Resp: 19817

Ion Ratio Lower Upper

94 100

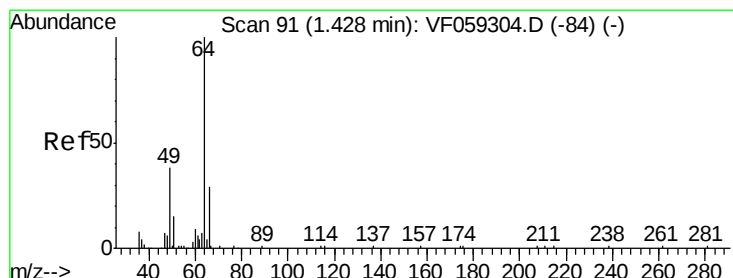
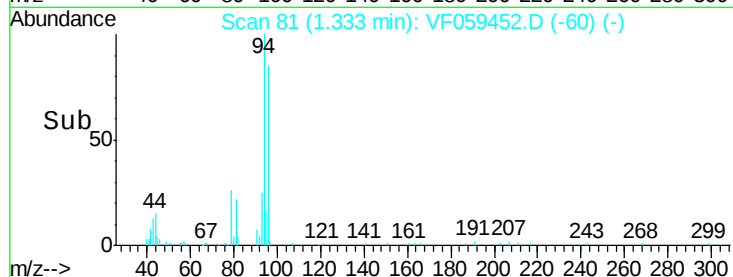
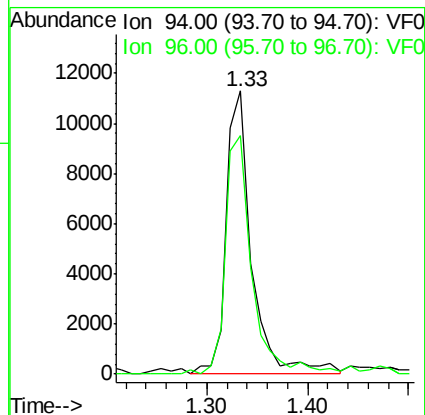
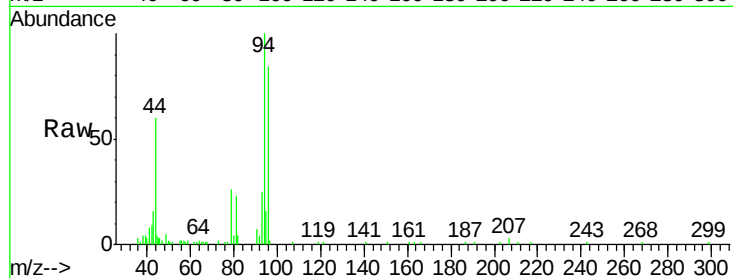
96 84.4 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 20.72 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF059452.D

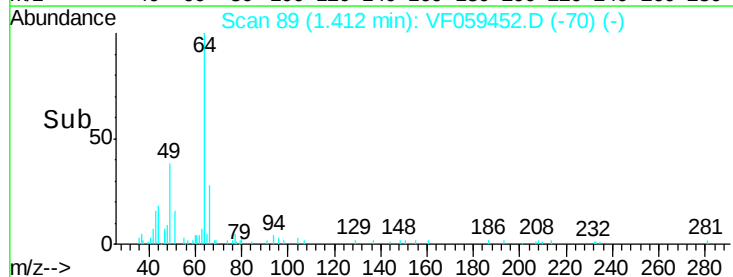
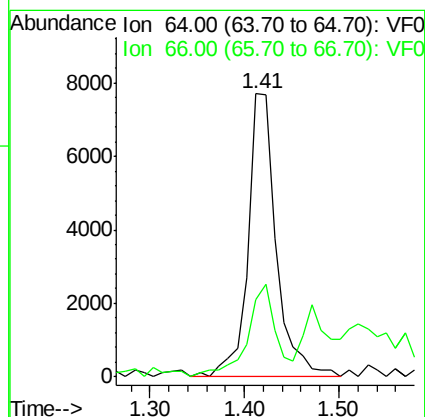
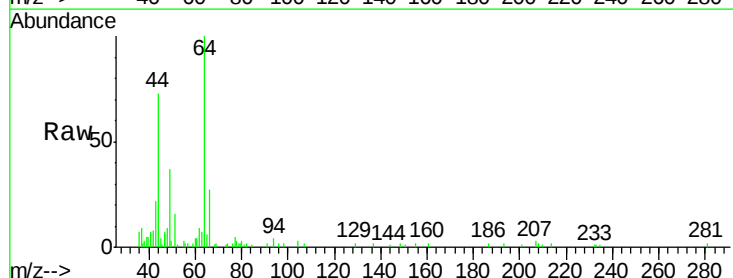
Acq: 6 Jul 2018 16:28

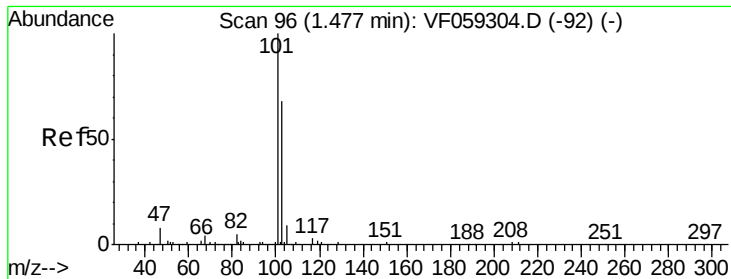
Tgt Ion: 64 Resp: 15972

Ion Ratio Lower Upper

64 100

66 27.4 23.9 35.9





#7

Trichlorofluoromethane

Concen: 21.08 ug/l m

RT: 1.47 min Scan# 95

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

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Tot Ion:101 Resp: 63815

Ion Ratio Lower Upper

101 100

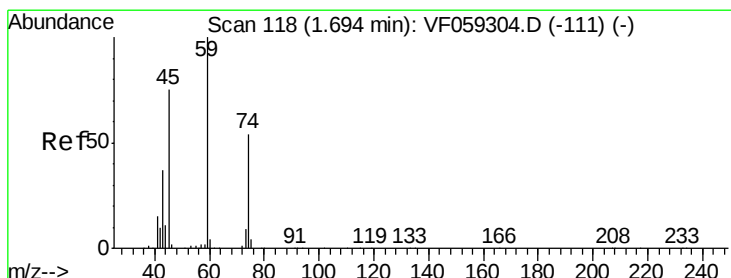
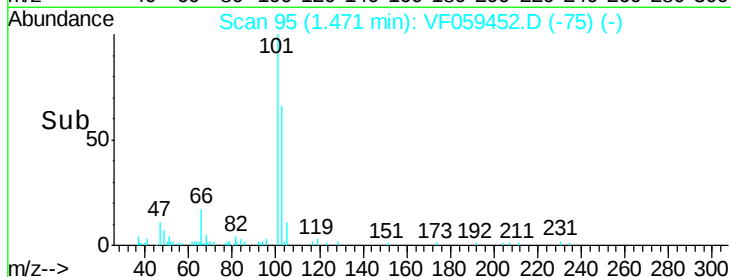
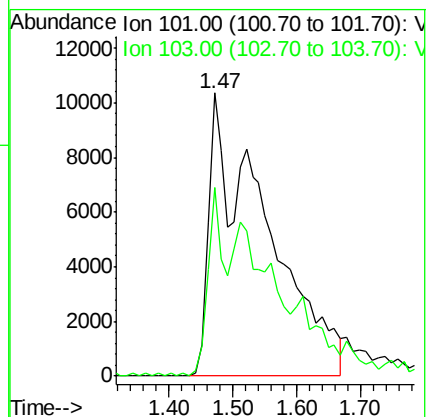
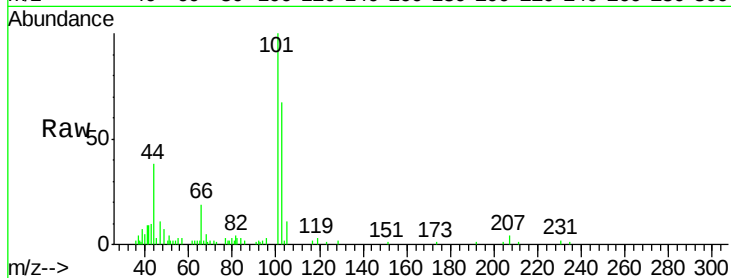
103 66.8 54.2 81.2

Manual Integrations

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#8

Diethyl Ether

Concen: 19.78 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.01 min

Lab File: VF059452.D

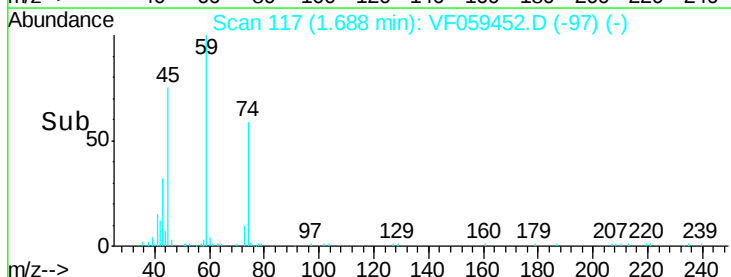
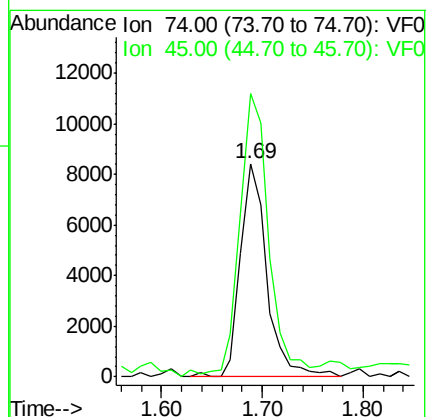
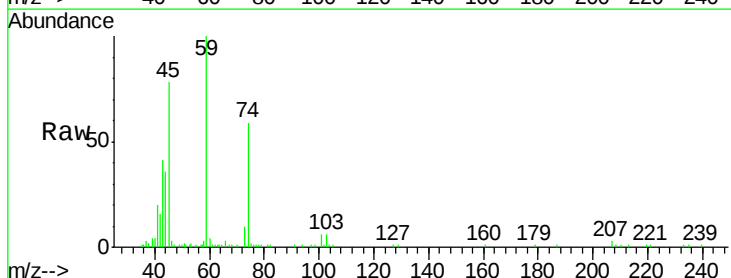
Acq: 6 Jul 2018 16:28

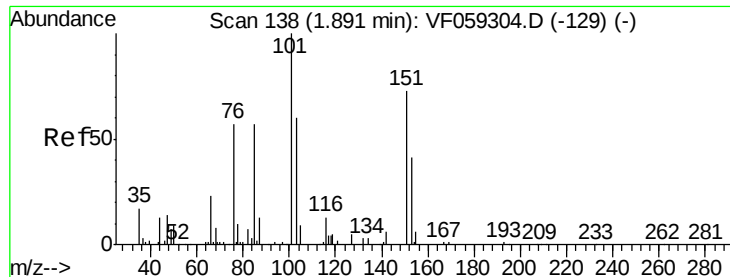
Tgt Ion: 74 Resp: 15347

Ion Ratio Lower Upper

74 100

45 132.6 70.0 210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.38 ug/l

RT: 1.89 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

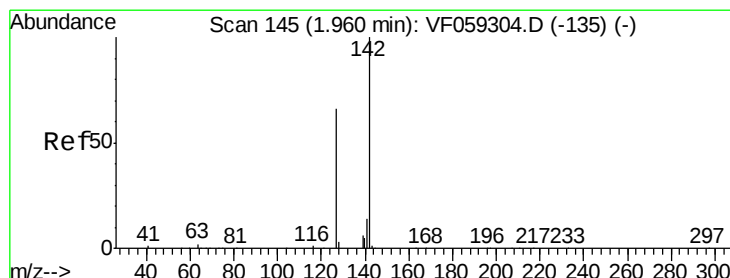
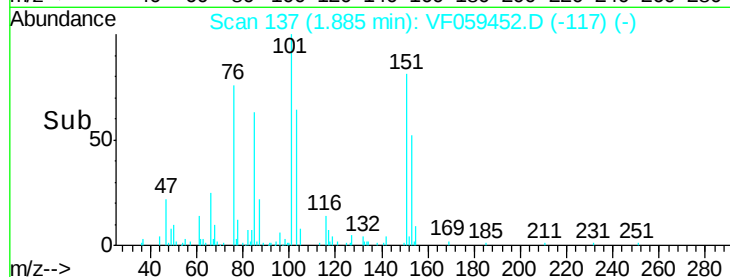
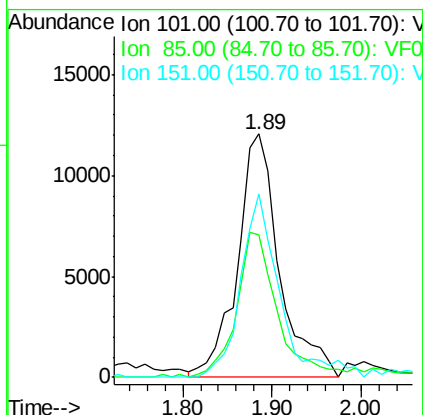
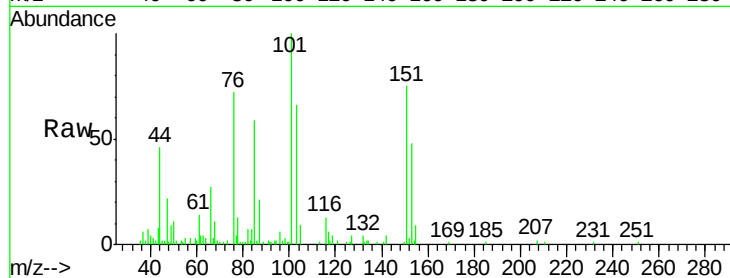
ClientSampleId :

VF0706SBSD01

Tot Ion:	101	Resp:	39536
Ion Ratio	Lower	Upper	
101	100		
85	58.6	44.5	66.7
151	75.4	56.8	85.2

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#10

Methyl Iodide

Concen: 20.04 ug/l

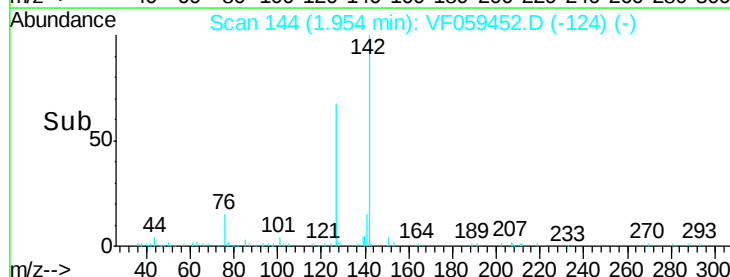
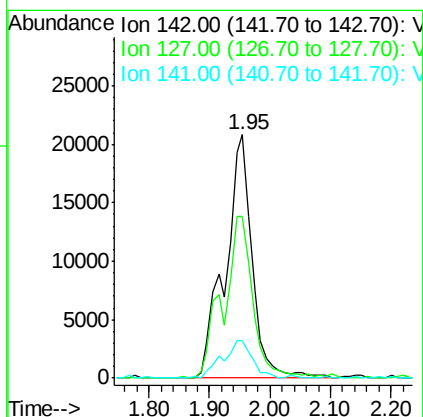
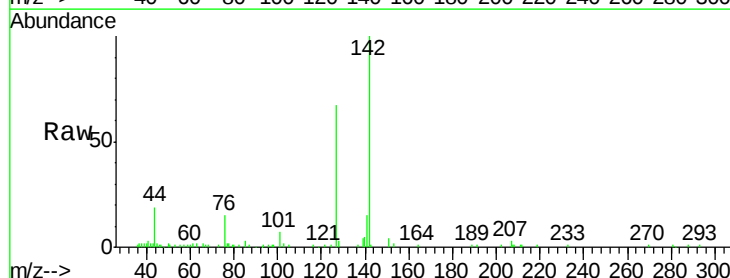
RT: 1.95 min Scan# 144

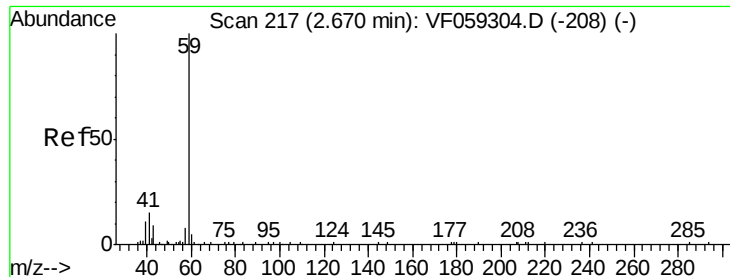
Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion:	142	Resp:	64563
Ion Ratio	Lower	Upper	
142	100		
127	66.7	52.5	78.7
141	15.3	11.5	17.3





#11

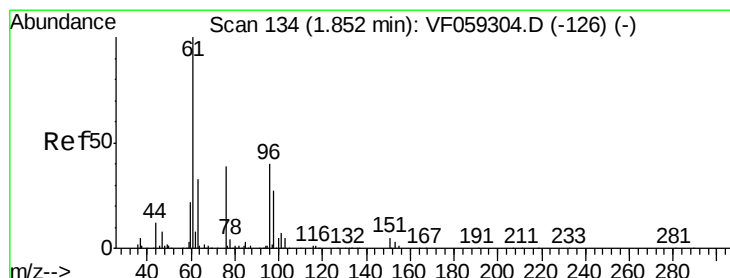
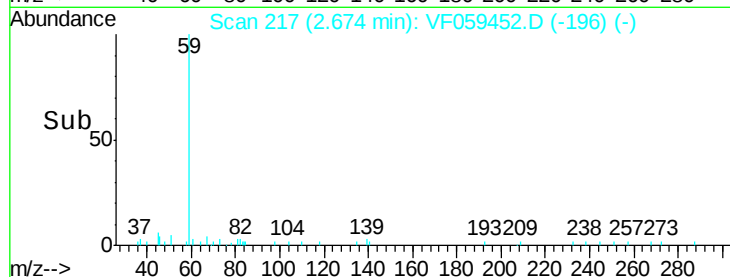
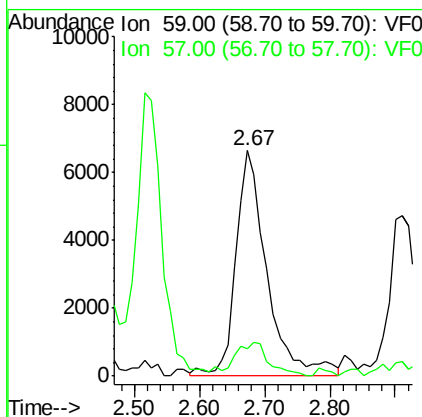
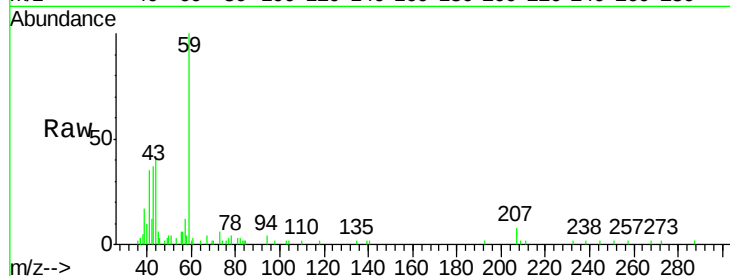
Tert butyl alcohol
Concen: 101.11 ug/l m
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	11.0	16.4

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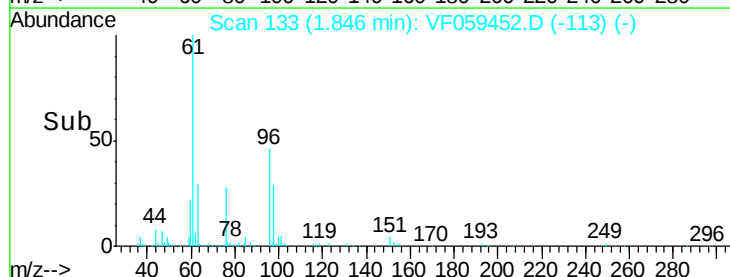
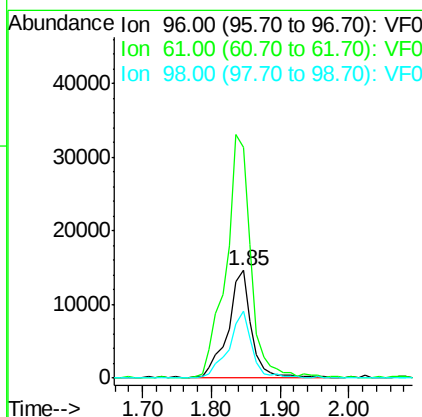
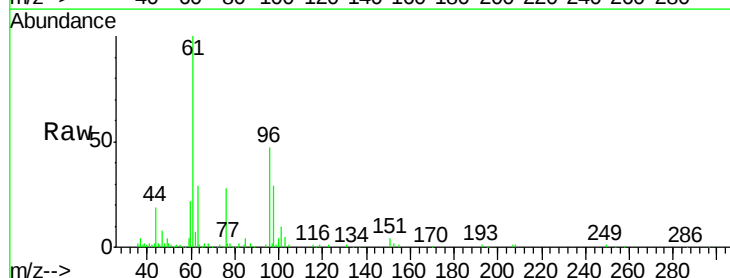
apatel
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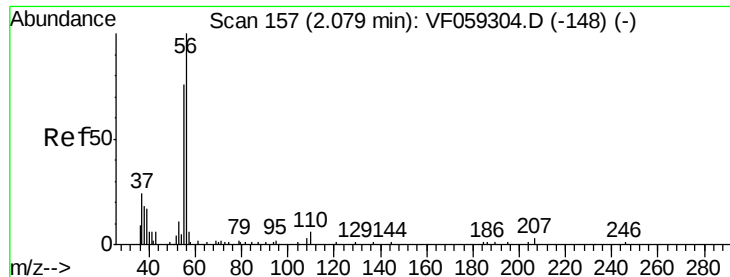


#12

1,1-Dichloroethene
Concen: 23.43 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	213.7	201.1	301.7
98	62.6	53.9	80.9





#13

Acrolein

Concen: 73.77 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059452.D

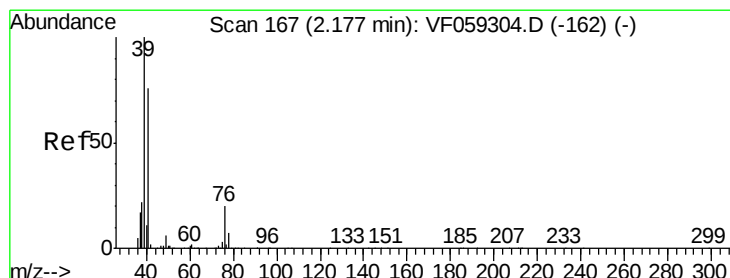
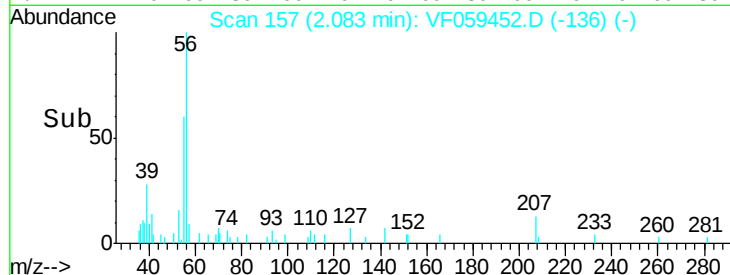
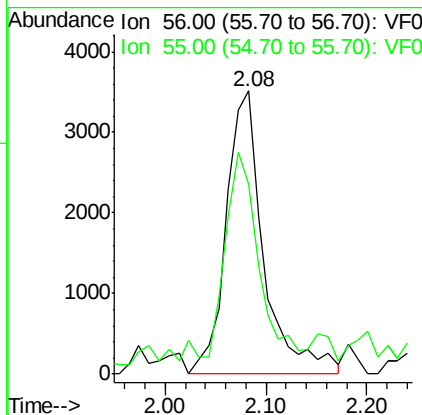
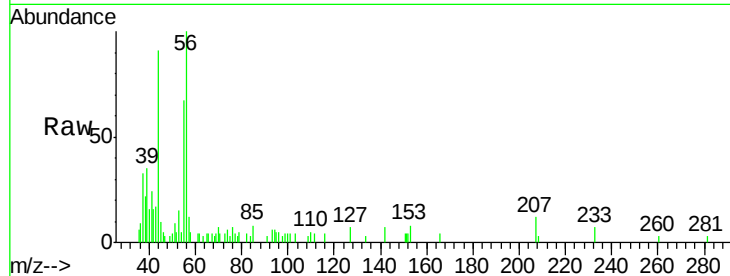
Acq: 6 Jul 2018 16:28

Tot Ion:	56	Resp:	9081
Ion Ratio	Lower	Upper	
56	100		
55	66.9	62.4	93.6

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

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#14

Allyl chloride

Concen: 21.25 ug/l

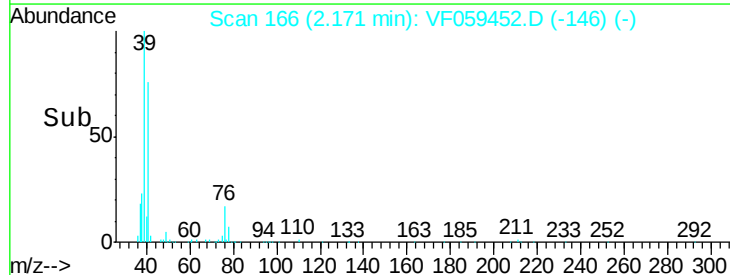
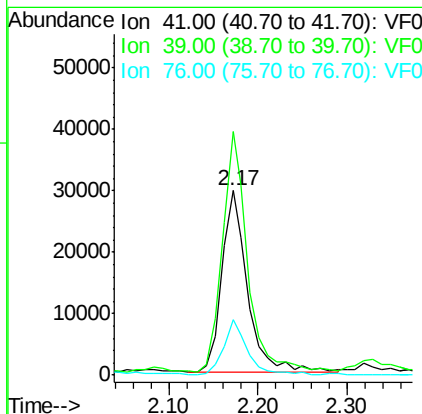
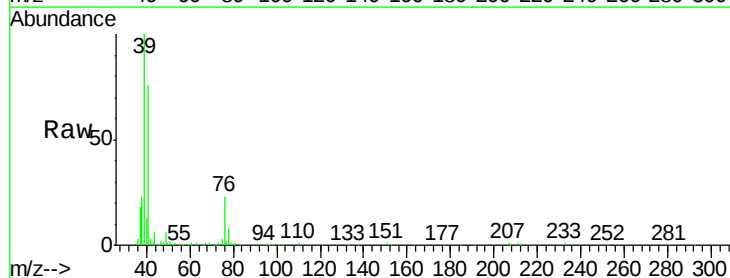
RT: 2.17 min Scan# 166

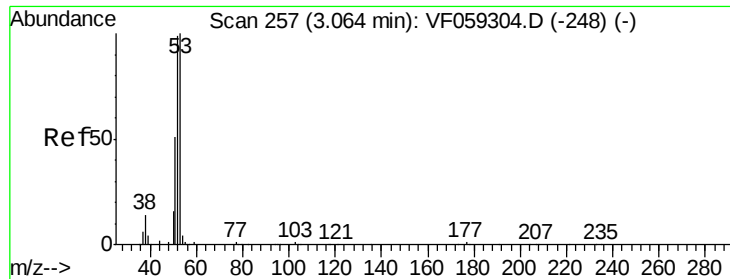
Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion:	41	Resp:	59568
Ion Ratio	Lower	Upper	
41	100		
39	132.0	105.6	158.4
76	29.9	21.6	32.4





#15

Acrylonitrile

Concen: 120.52 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

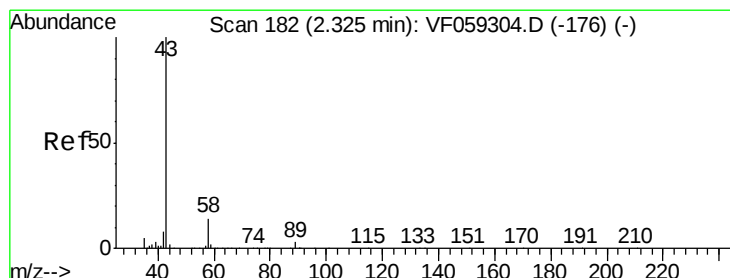
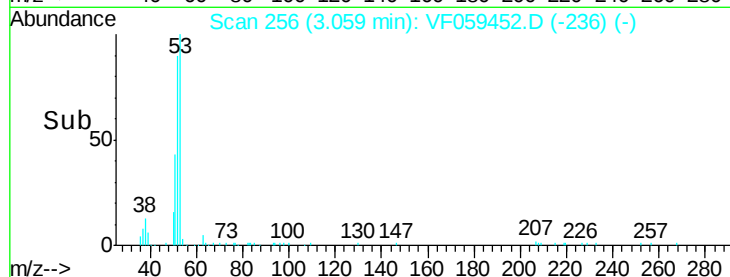
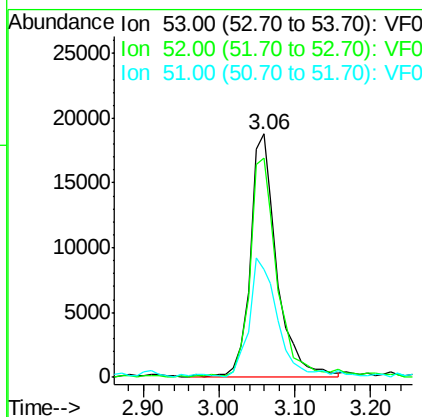
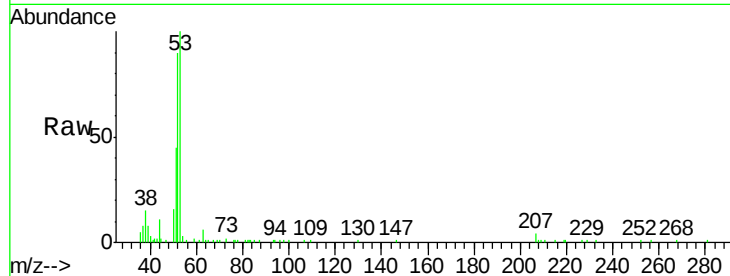
ClientSampleId :

VF0706SBSD01

Tot Ion:	53	Resp:	46244
Ion	Ratio	Lower	Upper
53	100		
52	89.9	79.2	118.8
51	44.6	40.9	61.3

Manual Integrations
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#16

Acetone

Concen: 109.45 ug/l

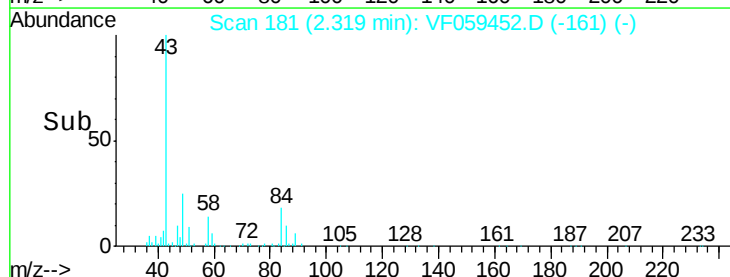
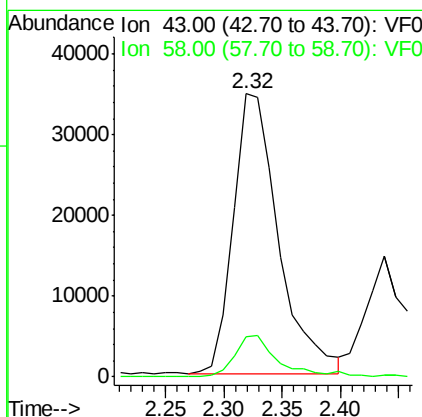
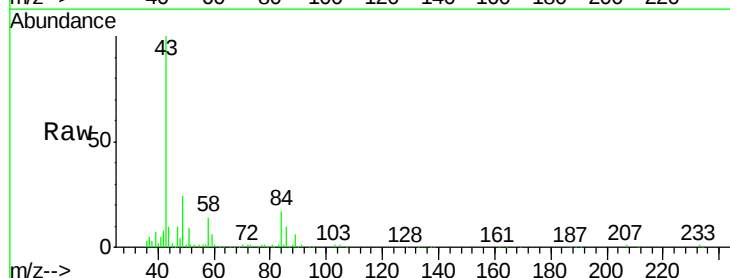
RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion:	43	Resp:	94154
Ion	Ratio	Lower	Upper
43	100		
58	14.0	11.4	17.0





#17

Carbon Disulfide

Concen: 18.81 ug/l

RT: 1.86 min Scan# 134

Delta R.T. 0.02 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 76 Resp: 66072

Ion Ratio Lower Upper

76 100

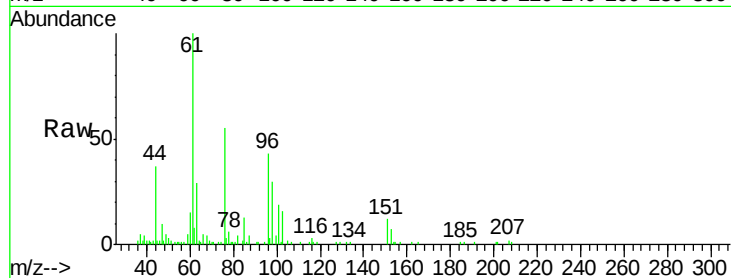
78 11.5 8.9 13.3

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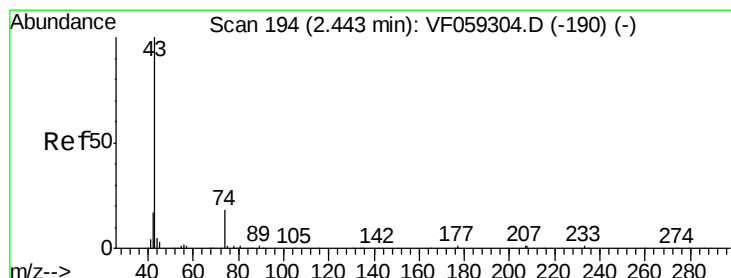
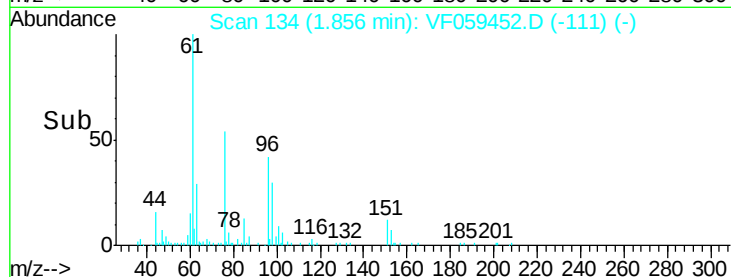
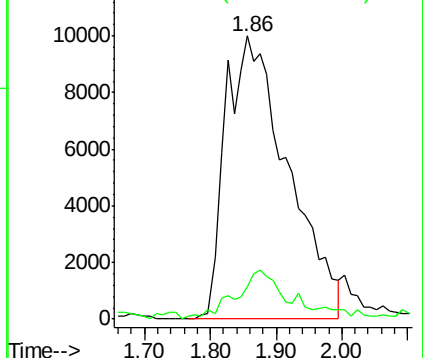
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 23.47 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059452.D

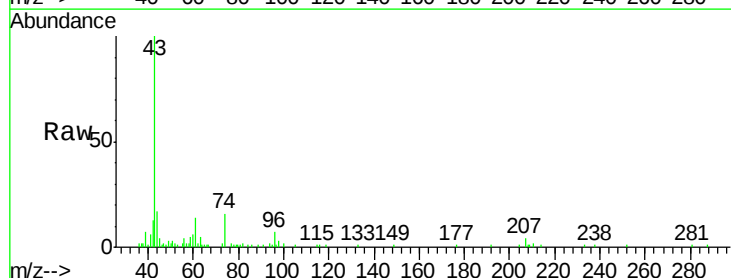
Acq: 6 Jul 2018 16:28

Tgt Ion: 43 Resp: 35579

Ion Ratio Lower Upper

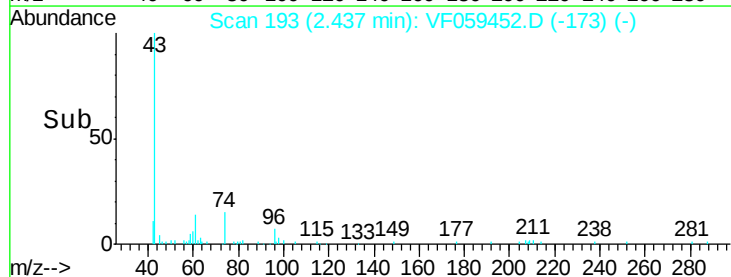
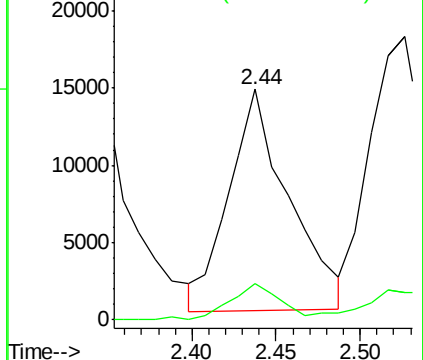
43 100

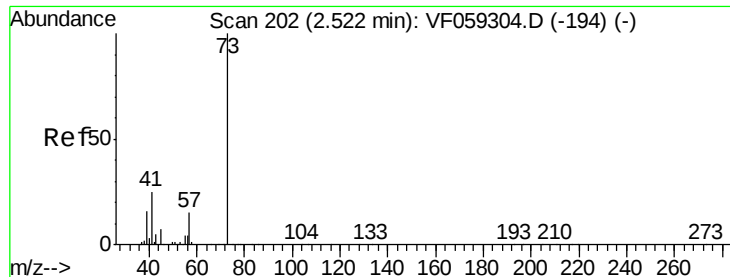
74 15.9 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





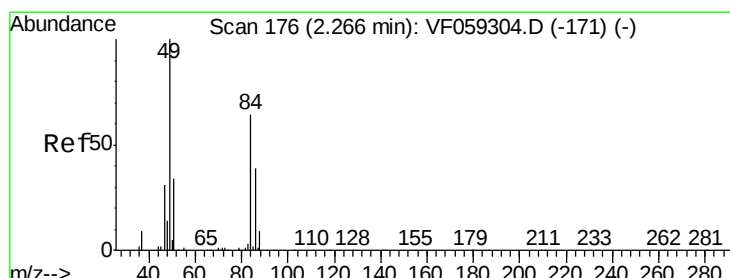
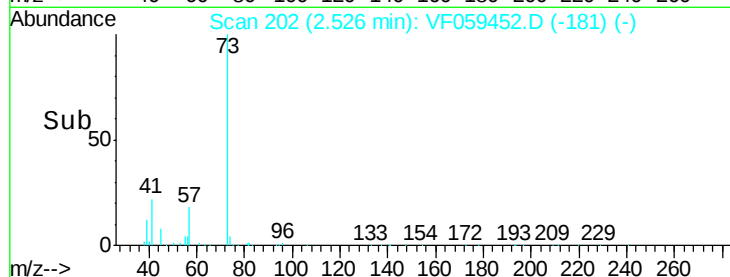
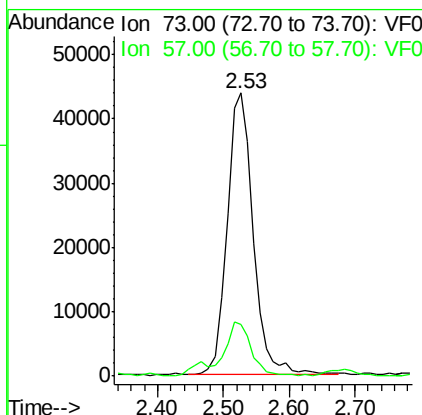
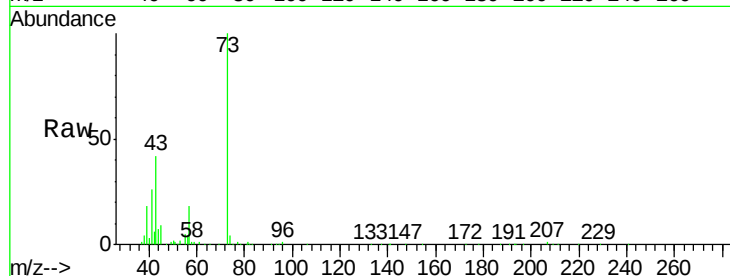
#19
Methyl tert-butyl Ether
Concen: 21.61 ug/l
RT: 2.53 min Scan# 202
Delta R.T. 0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	12.3	18.5#

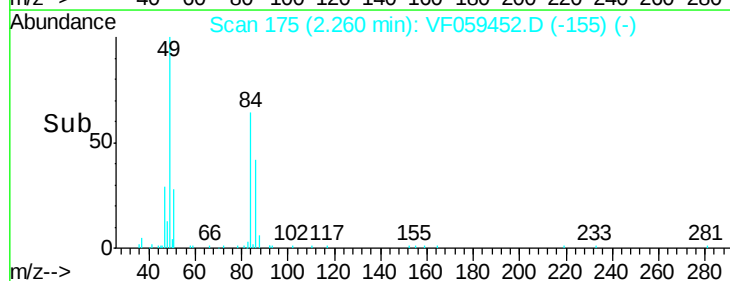
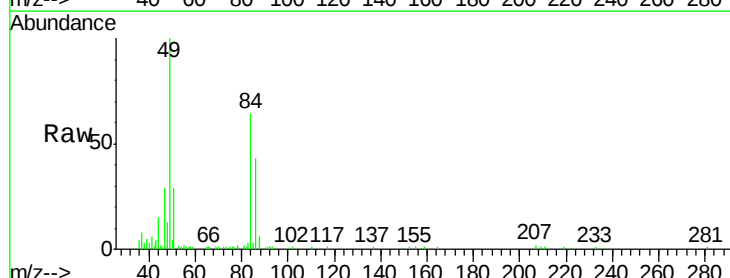
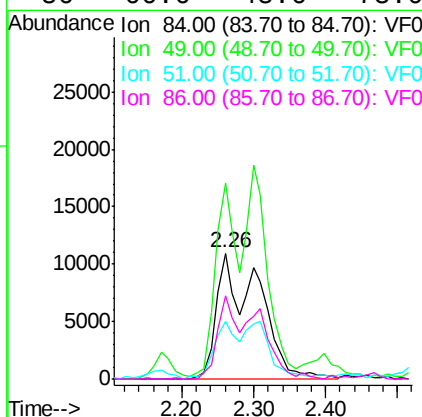
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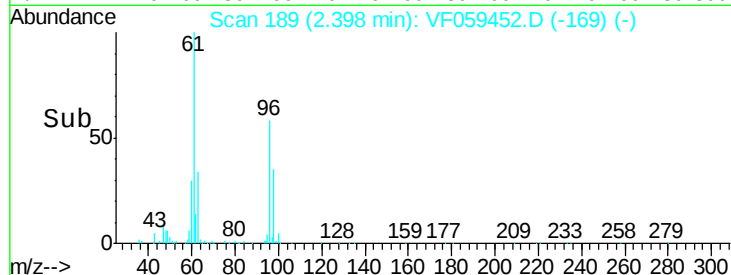
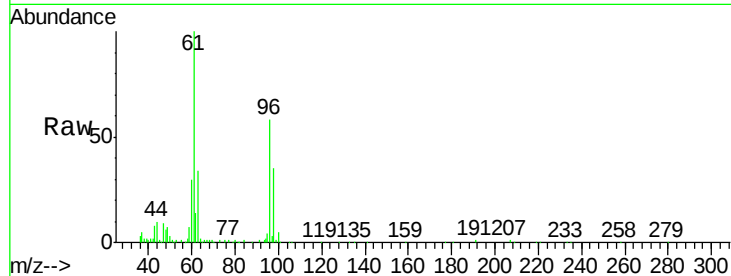
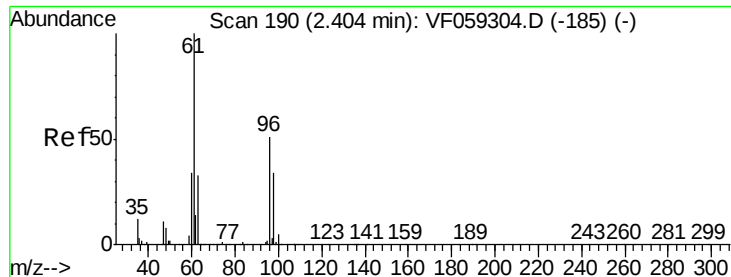
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#20
Methylene Chloride
Concen: 19.90 ug/l m
RT: 2.26 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.8	126.5	189.7
51	45.6	42.9	64.3
86	66.6	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 22.78 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059452.D

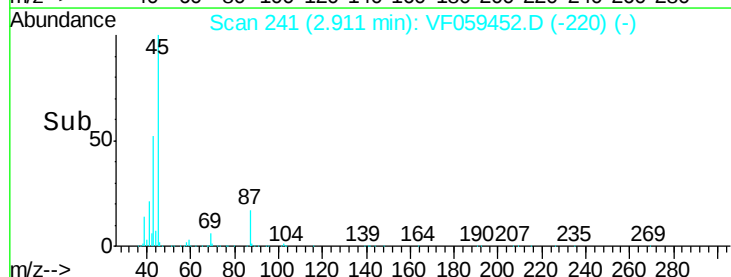
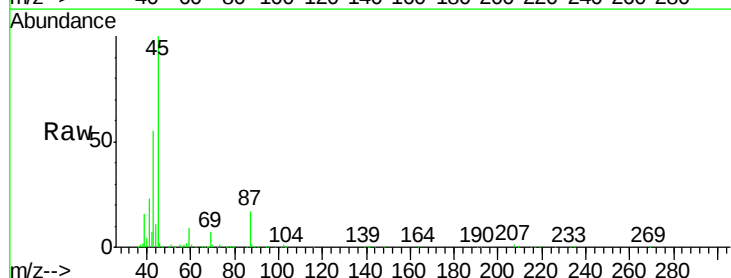
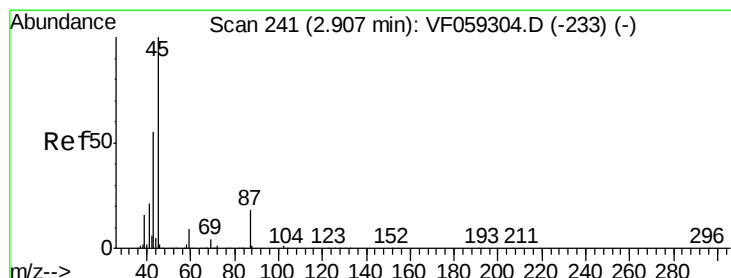
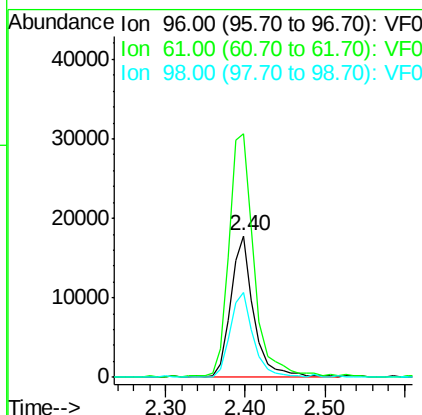
Acq: 6 Jul 2018 16:28

Tot Ion:	96	Resp:	36298
Ion Ratio	Lower	Upper	
96	100		
61	172.3	157.4	236.2
98	60.3	53.7	80.5

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

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#22

Diisopropyl ether

Concen: 21.75 ug/l

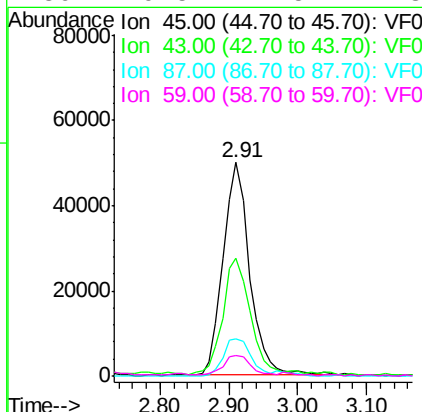
RT: 2.91 min Scan# 241

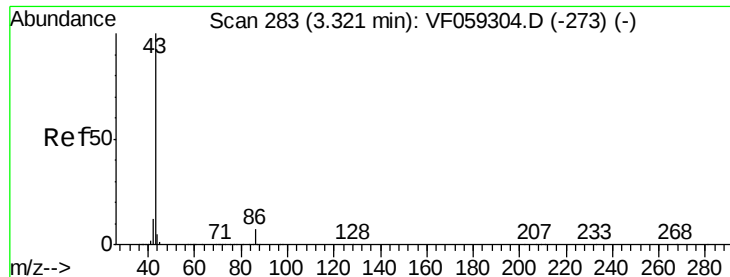
Delta R.T. 0.00 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion:	45	Resp:	135033
Ion Ratio	Lower	Upper	
45	100		
43	55.0	44.6	66.8
87	17.1	14.3	21.5
59	9.5	7.5	11.3





#23

Vinyl Acetate

Concen: 112.38 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 43 Resp: 444361

Ion Ratio Lower Upper

43 100

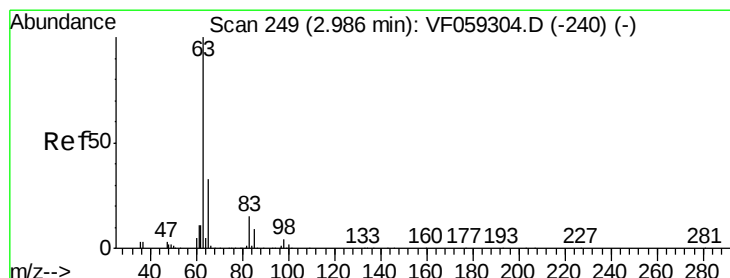
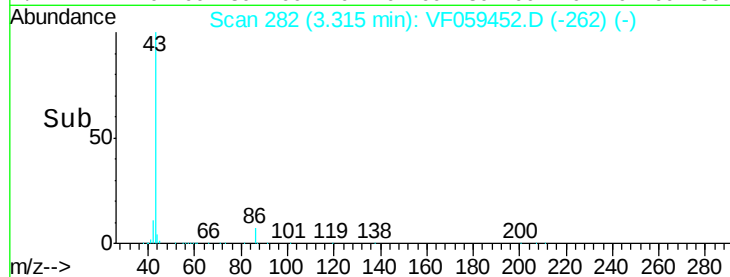
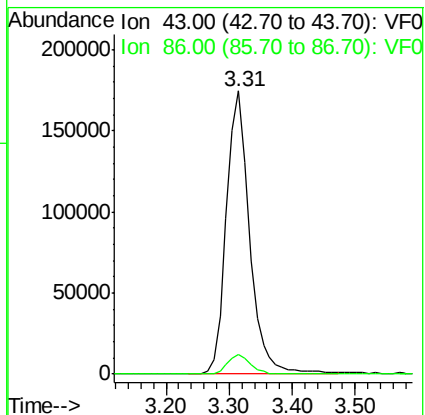
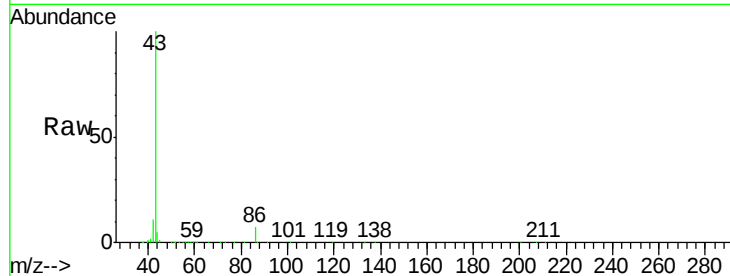
86 6.9 5.8 8.6

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#24

1,1-Dichloroethane

Concen: 21.33 ug/l

RT: 2.98 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

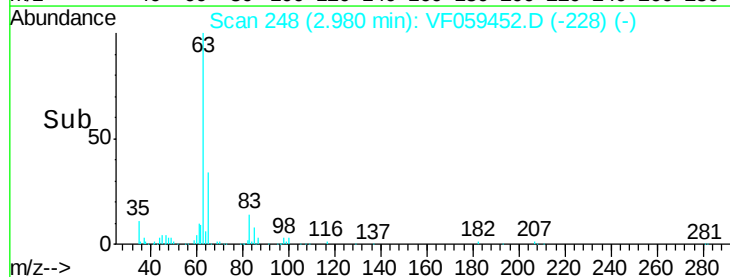
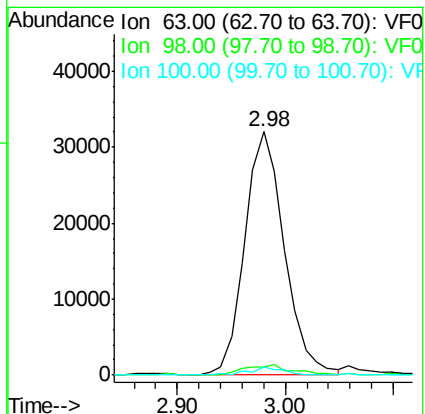
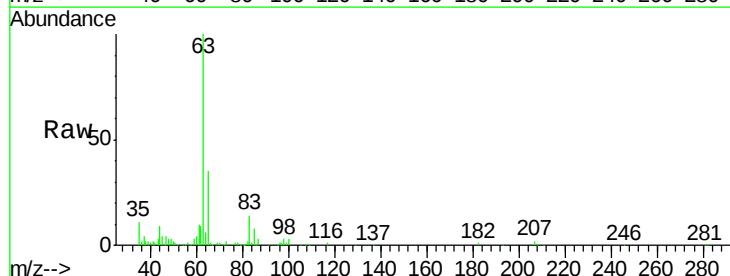
Tgt Ion: 63 Resp: 82088

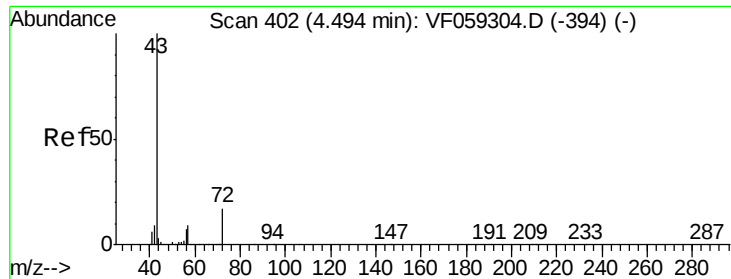
Ion Ratio Lower Upper

63 100

98 3.4 2.0 6.0

100 3.2 1.3 3.9





#25

2-Butanone

Concen: 106.95 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 43 Resp: 107450

Ion Ratio Lower Upper

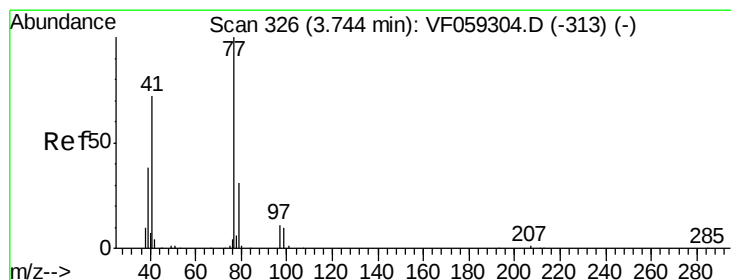
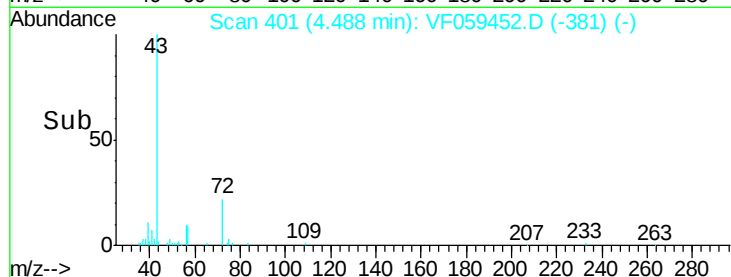
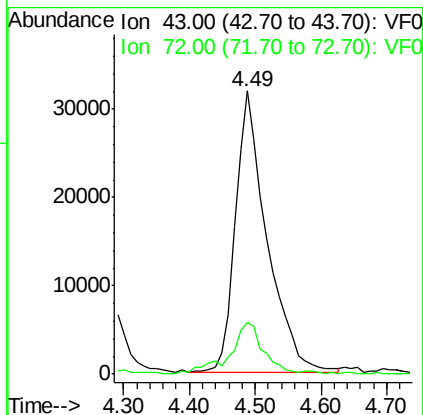
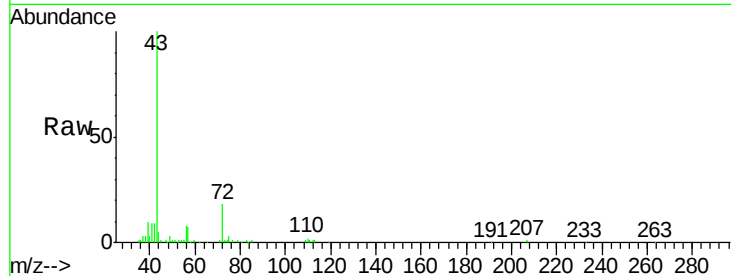
43 100

72 18.3 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 24.36 ug/l

RT: 3.74 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059452.D

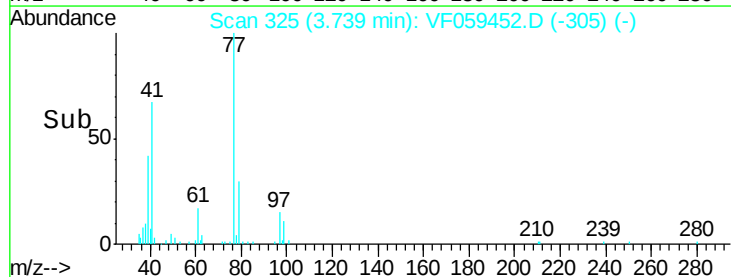
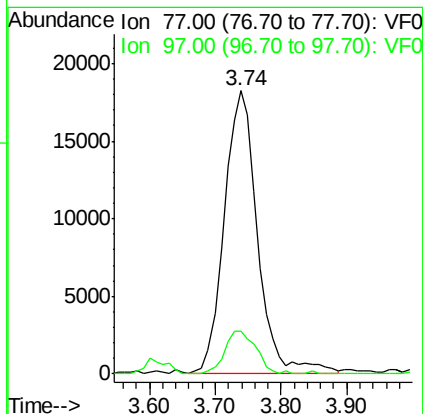
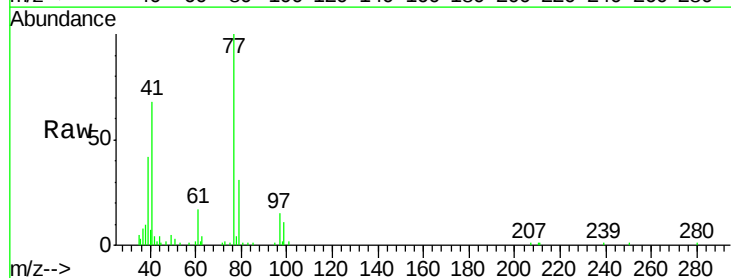
Acq: 6 Jul 2018 16:28

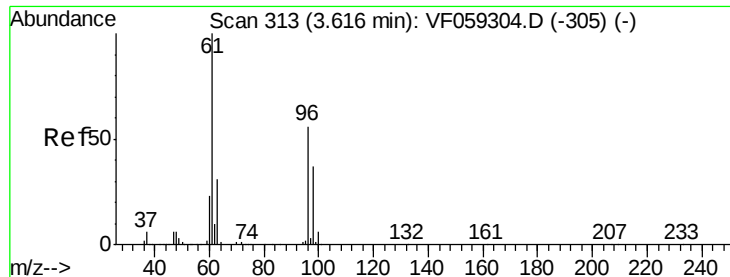
Tgt Ion: 77 Resp: 64662

Ion Ratio Lower Upper

77 100

97 15.1 8.0 23.8





#27

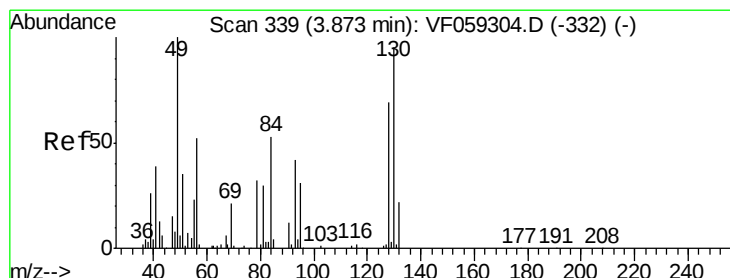
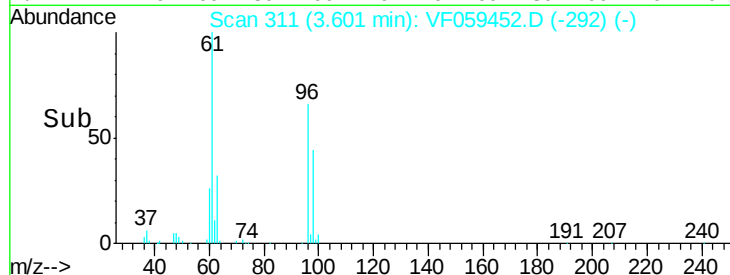
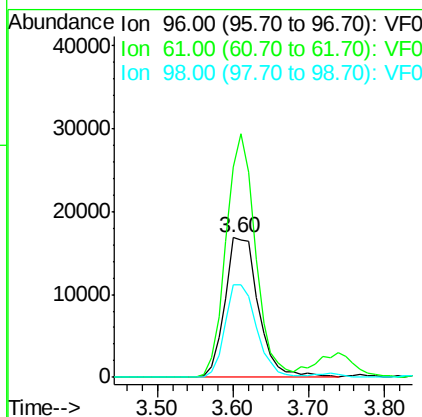
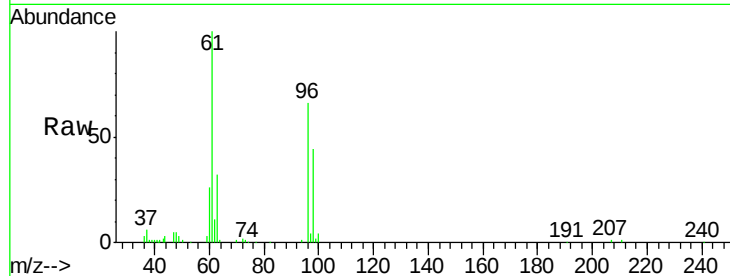
cis-1,2-Dichloroethene
Concen: 21.53 ug/l
RT: 3.60 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	52073		
61	150.5		0.0	355.4
98	65.9		0.0	131.0

Manual Integrations
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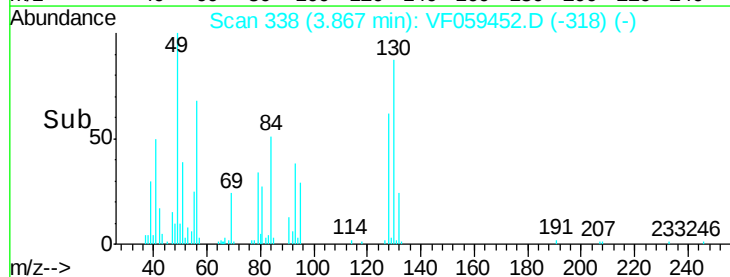
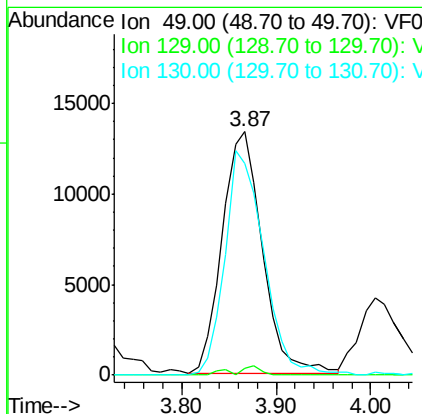
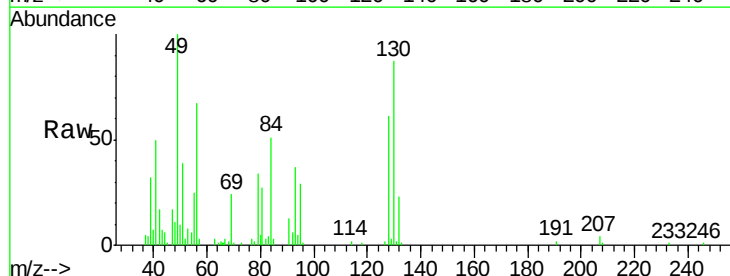
apatel
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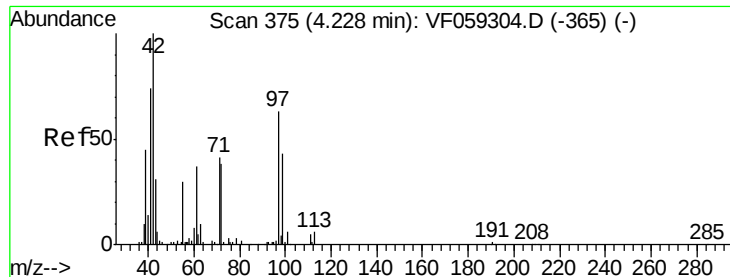


#28

Bromochloromethane
Concen: 24.29 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	39131		
129	2.7		0.0	6.4
130	86.7		75.1	112.7





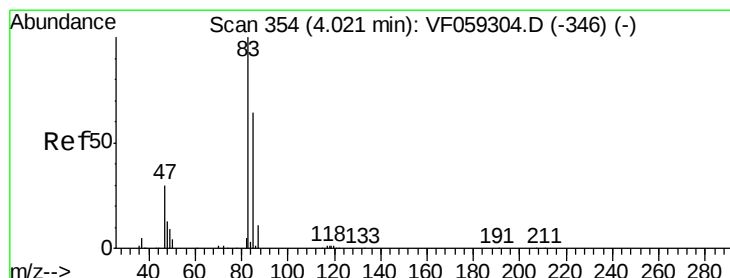
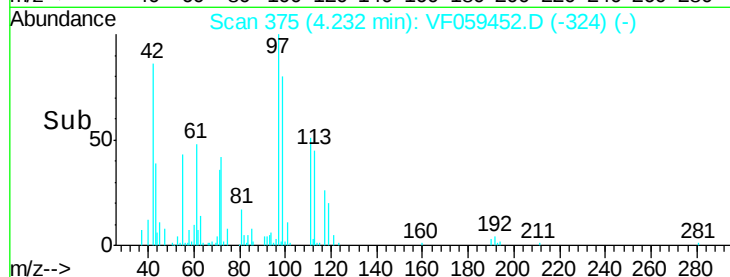
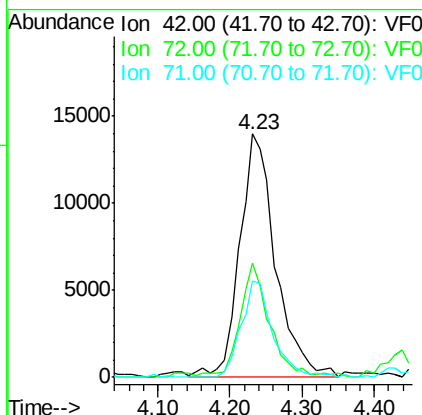
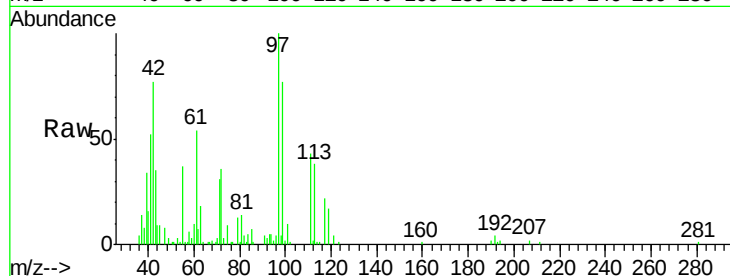
#29
Tetrahydrofuran
Concen: 109.92 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	30.5	45.7
71	35.3	32.5	48.7

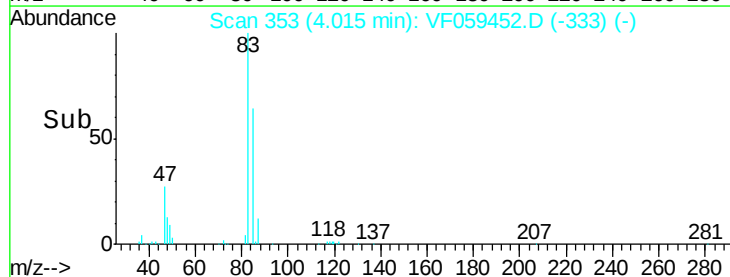
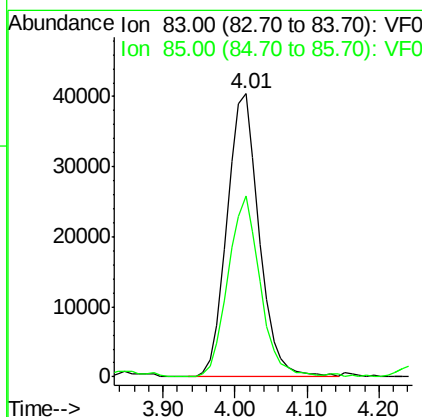
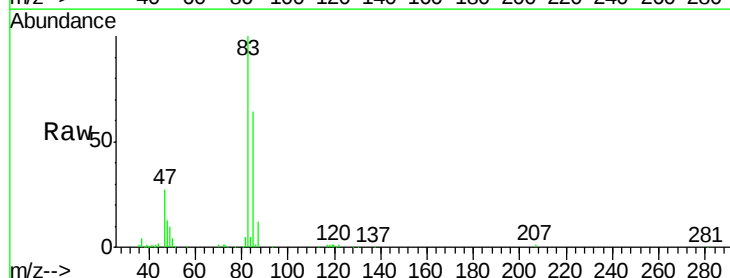
Manual Integrations
APPROVED

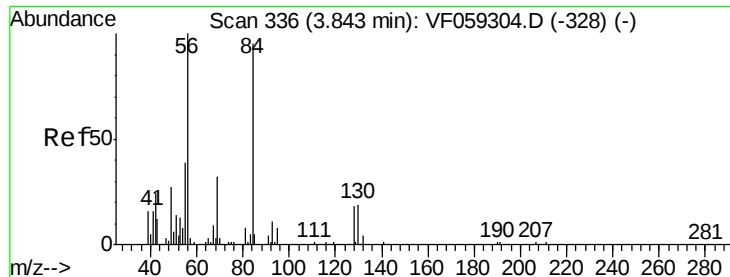
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#30
Chloroform
Concen: 22.50 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.3	76.9





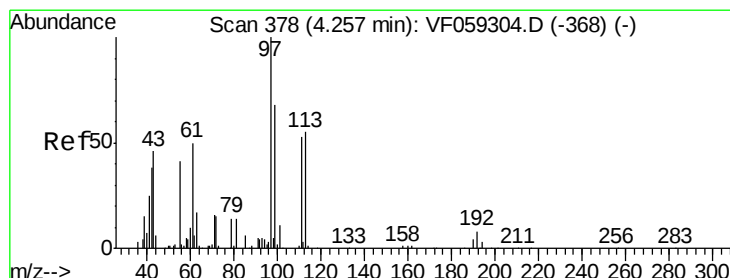
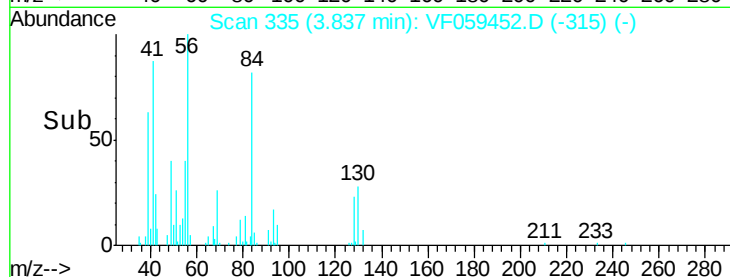
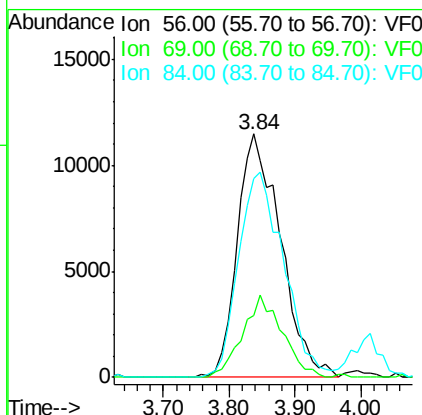
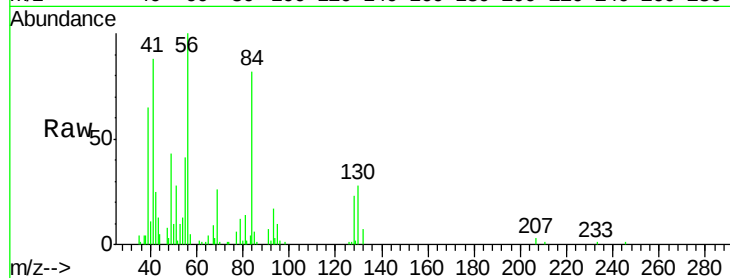
#31
Cyclohexane
Concen: 20.95 ug/l
RT: 3.84 min Scan# 335
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.7	25.8	38.8#
84	81.7	75.6	113.4

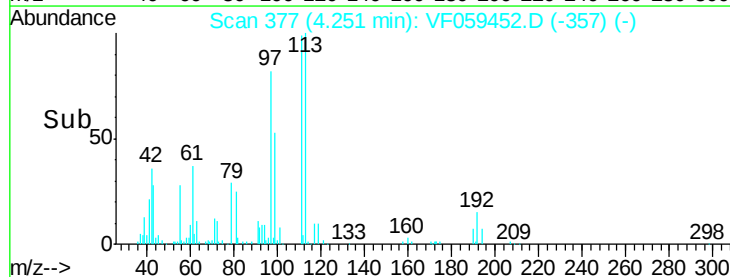
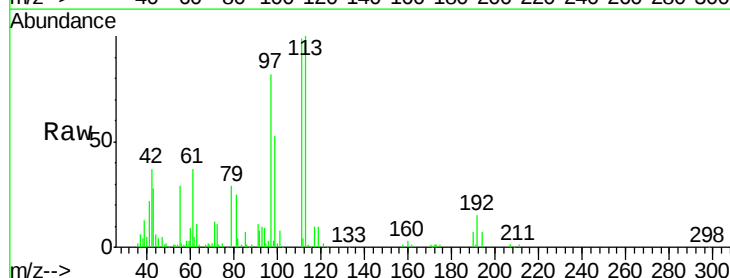
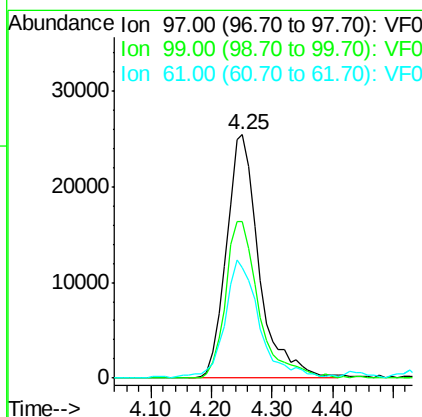
Manual Integrations
APPROVED

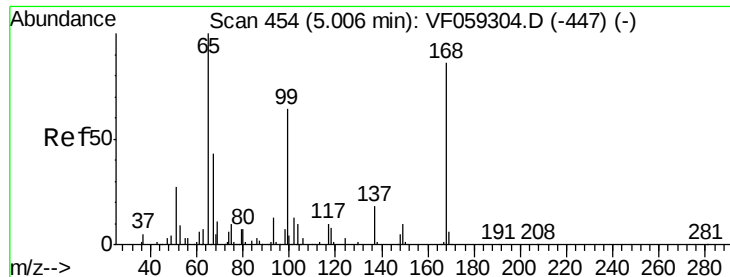
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#32
1,1,1-Trichloroethane
Concen: 23.42 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	54.1	81.1
61	45.1	41.2	61.8





#33

1,2-Dichloroethane-d4

Concen: 47.34 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion: 65 Resp: 154954

Ion Ratio Lower Upper

65 100

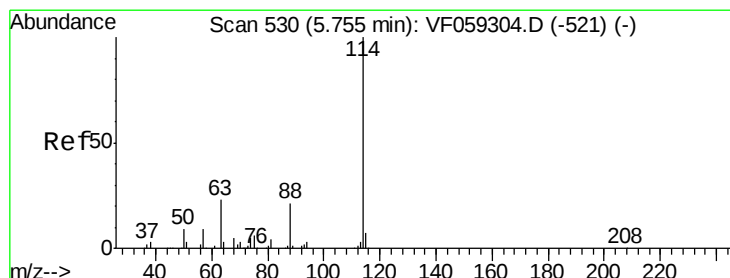
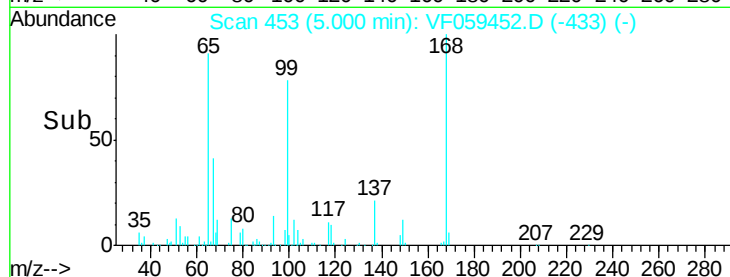
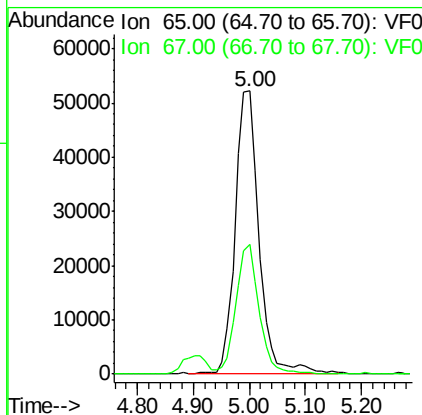
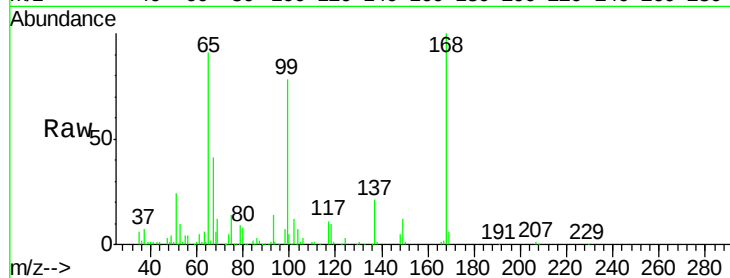
67 45.6 0.0 96.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.74 min Scan# 528

Delta R.T. -0.02 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

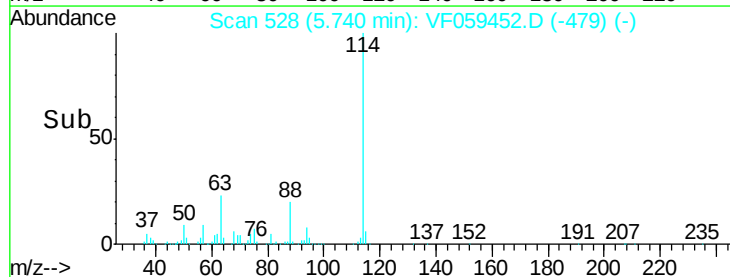
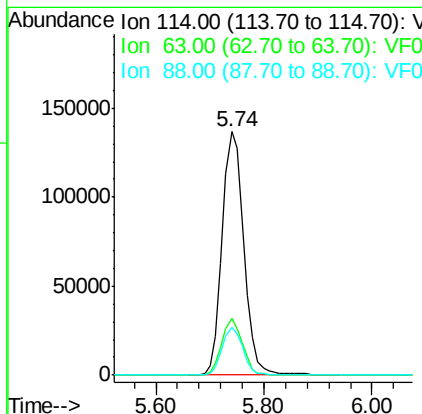
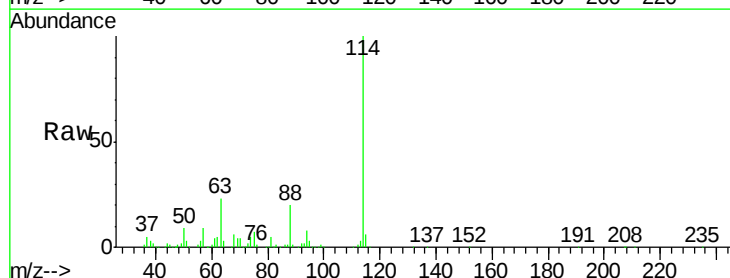
Tgt Ion: 114 Resp: 380581

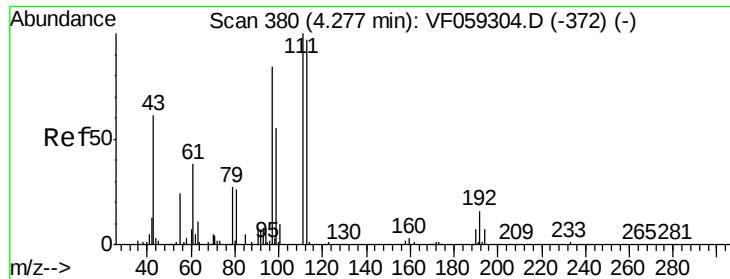
Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.8

88 19.7 0.0 41.2





#35

Dibromofluoromethane

Concen: 48.66 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

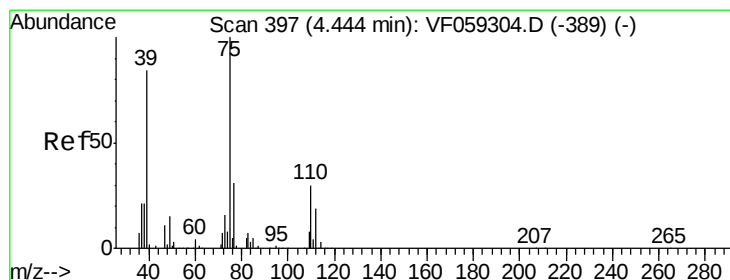
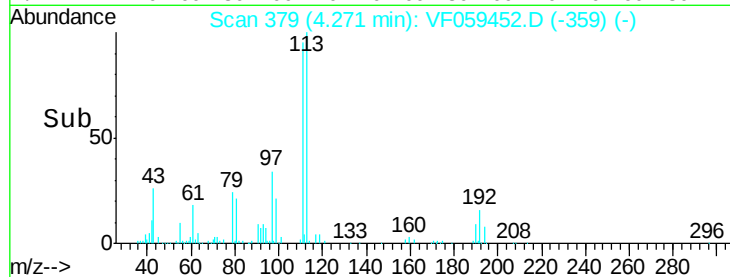
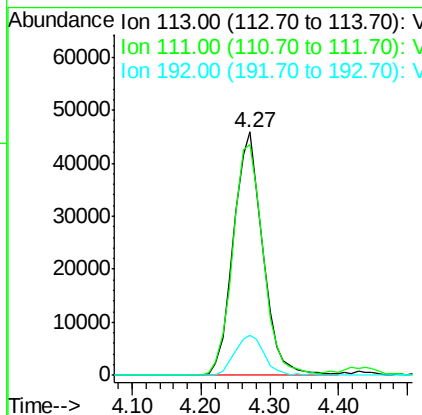
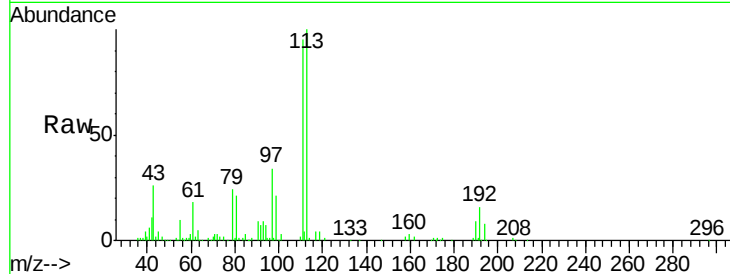
ClientSampleId :

VF0706SBSD01

Tot Ion:	113	Resp:	135324
Ion Ratio	Lower	Upper	
113	100		
111	94.6	82.1	123.1
192	16.2	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 23.32 ug/l

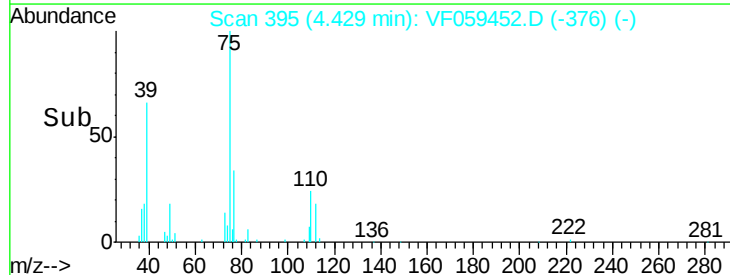
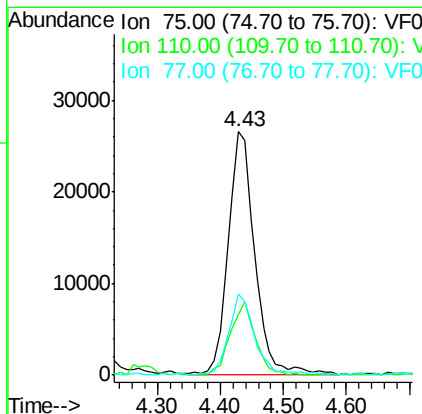
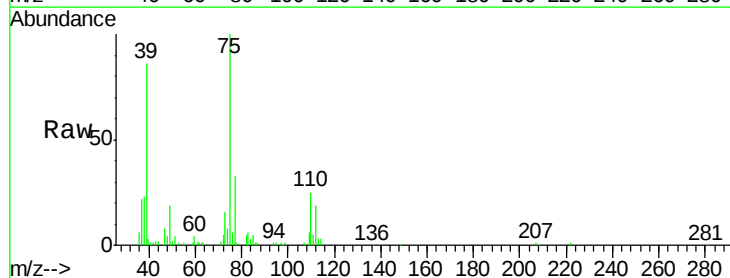
RT: 4.43 min Scan# 395

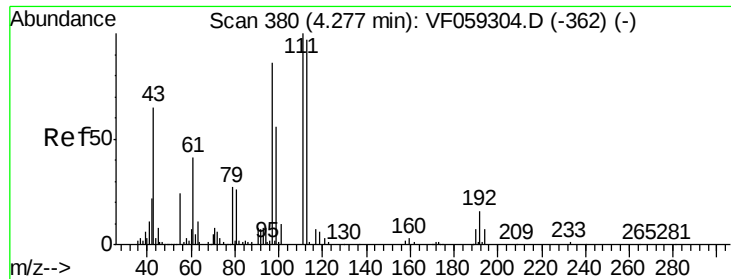
Delta R.T. -0.02 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion:	75	Resp:	77522
Ion Ratio	Lower	Upper	
75	100		
110	24.7	14.8	44.4
77	33.3	25.2	37.8





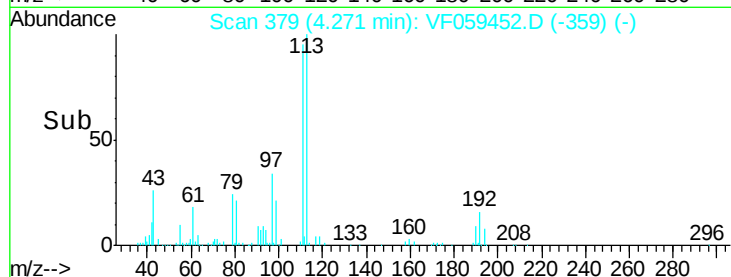
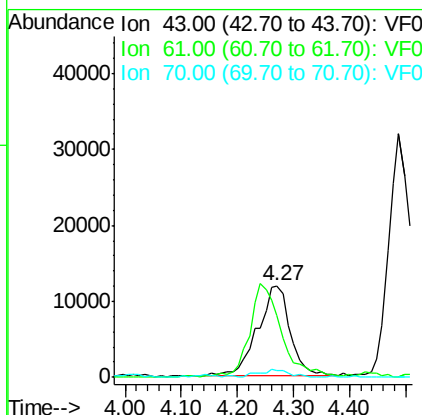
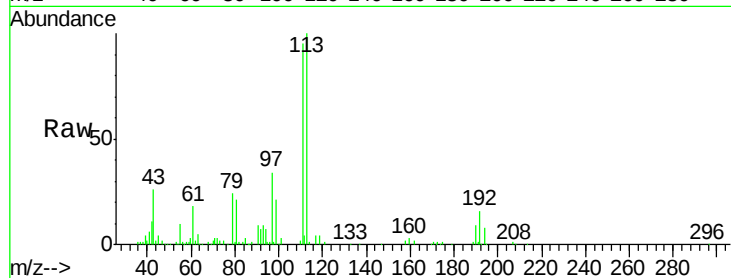
#37
Ethyl Acetate
Concen: 21.37 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	68.0	50.1	75.1	
70	6.9	6.2	9.4	

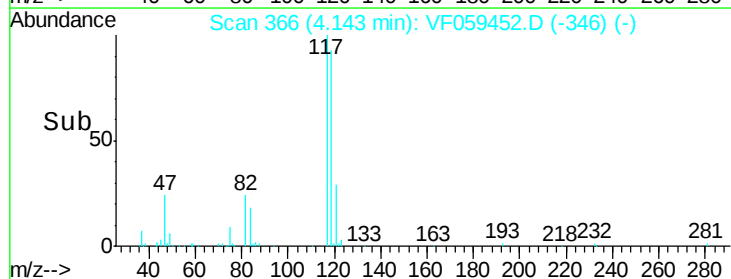
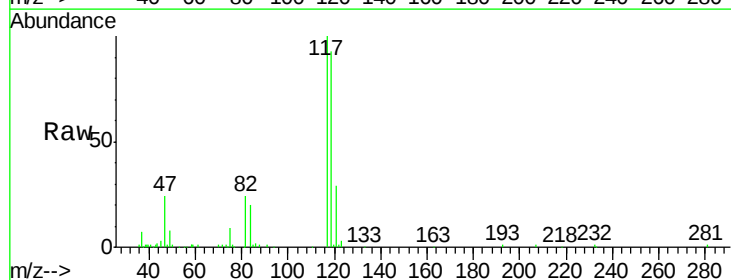
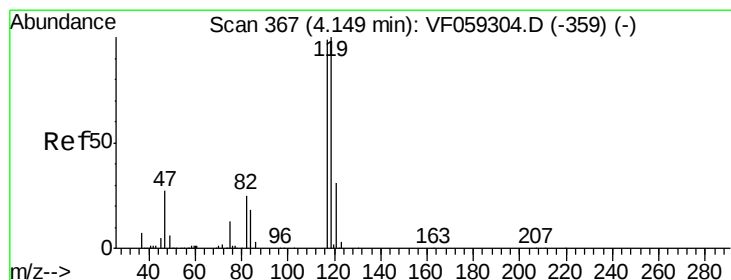
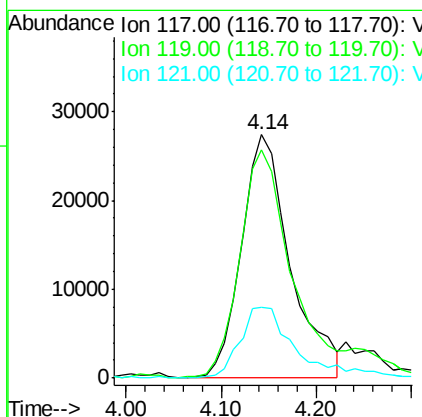
Manual Integrations
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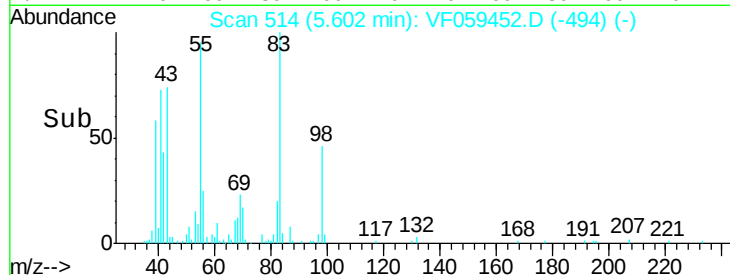
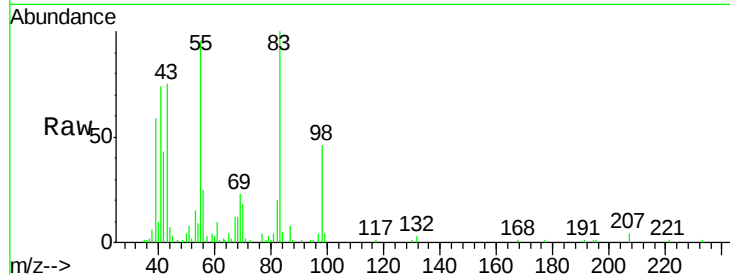
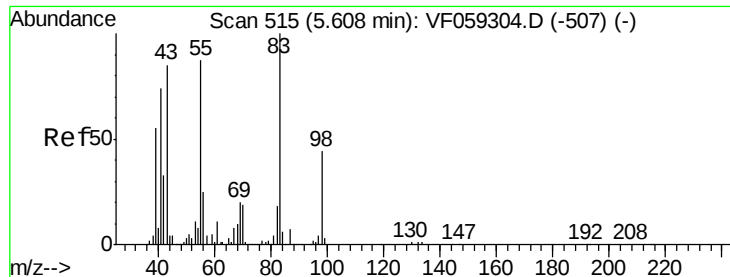
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#38
Carbon Tetrachloride
Concen: 23.44 ug/l m
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.5	81.0	121.4	
121	28.5	24.7	37.1	





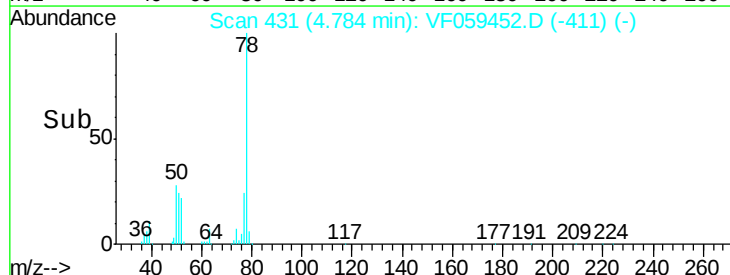
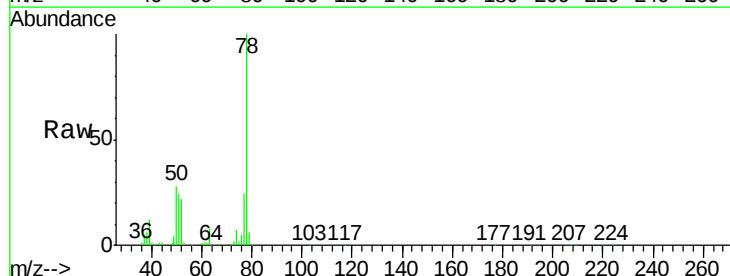
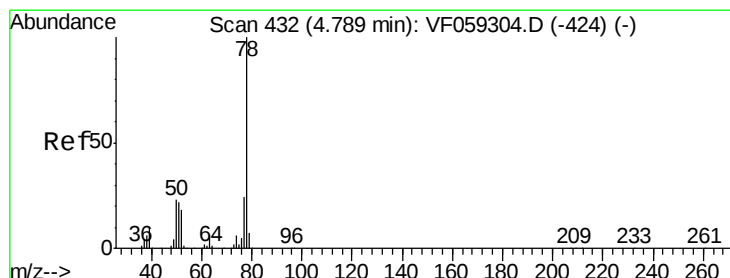
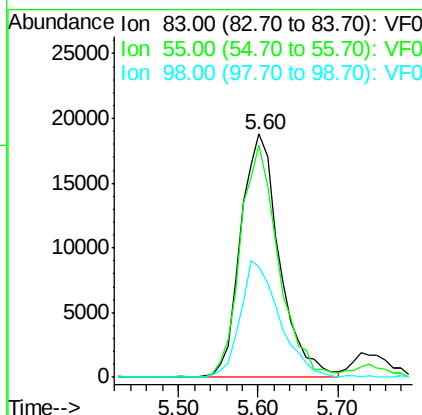
#39
Methylcyclohexane
Concen: 21.47 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.2	69.2	103.8
98	45.6	35.0	52.6

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

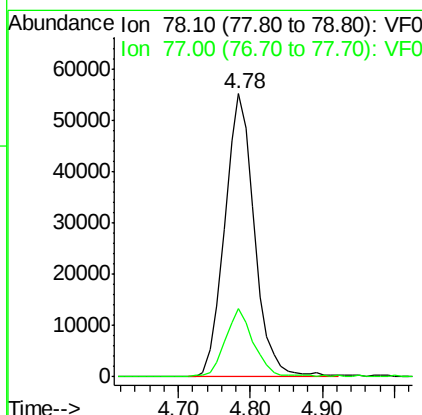
Manual Integrations
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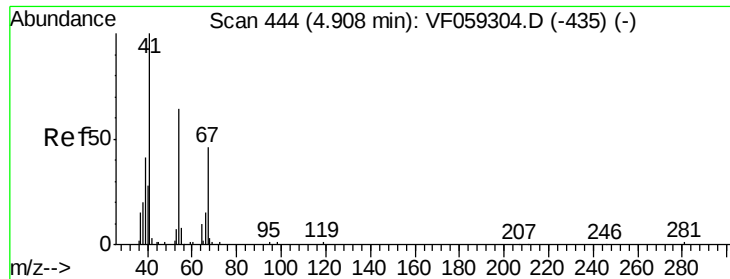
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#40
Benzene
Concen: 21.39 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.6	29.4





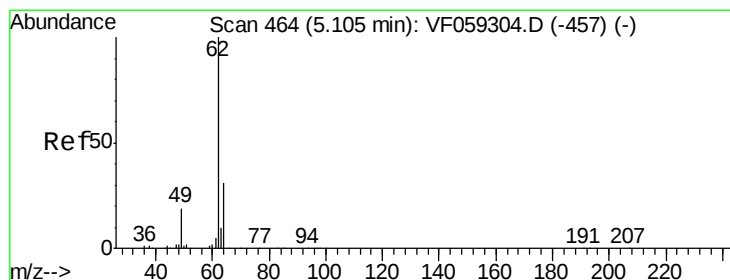
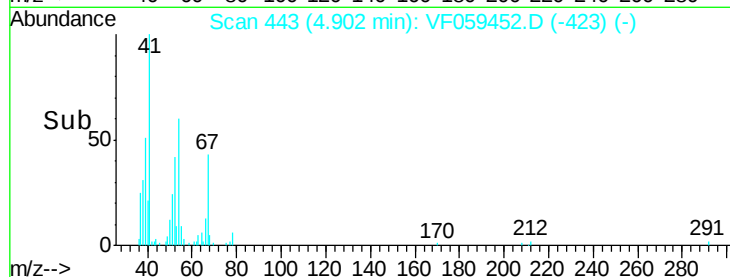
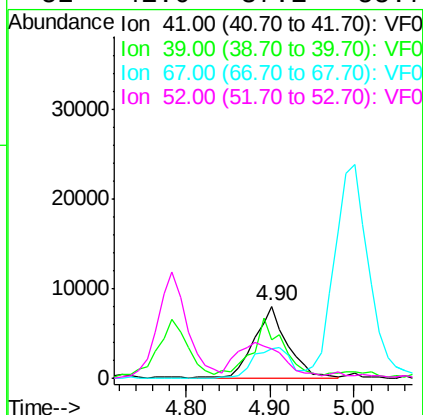
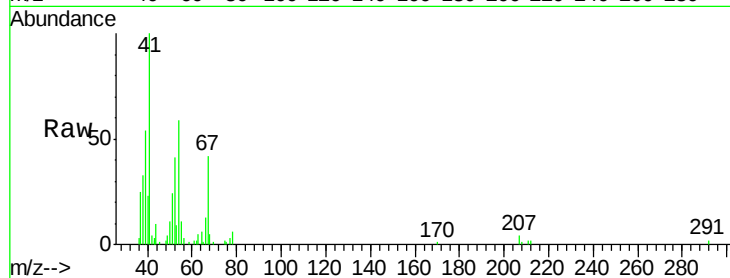
#41
Methacrylonitrile
Concen: 19.72 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	41	Resp	22363
Ion Ratio	Lower	Upper	
41	100		
39	53.6	50.0	75.0
67	41.8	37.0	55.6
52	41.0	37.1	55.7

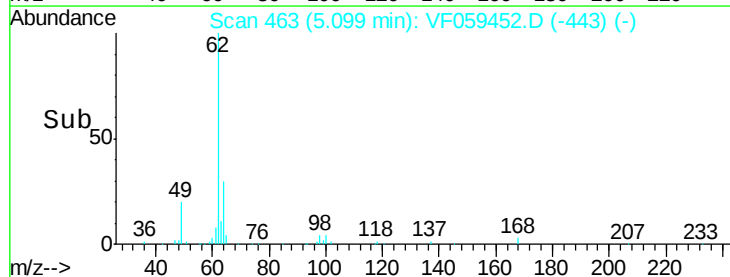
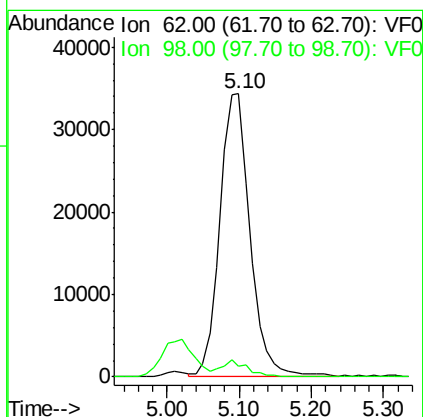
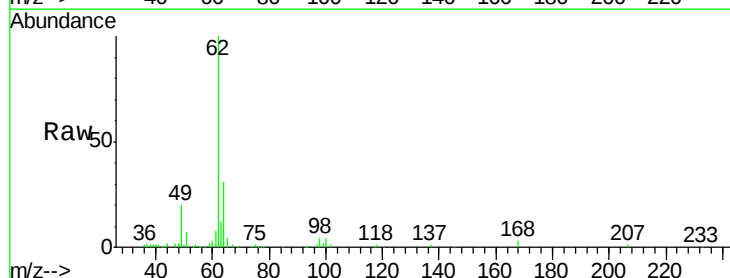
Manual Integrations
APPROVED

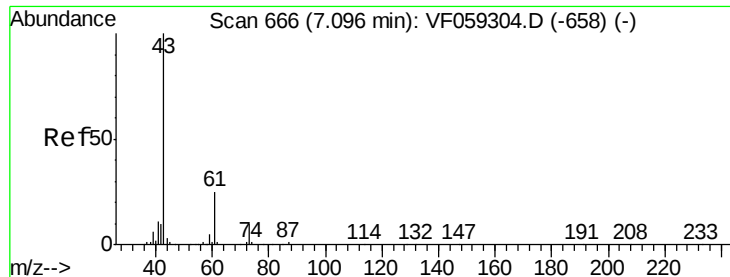
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#42
1,2-Dichloroethane
Concen: 22.99 ug/l
RT: 5.10 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	62	Resp	99013
Ion Ratio	Lower	Upper	
62	100		
98	4.0	0.0	11.4





#43

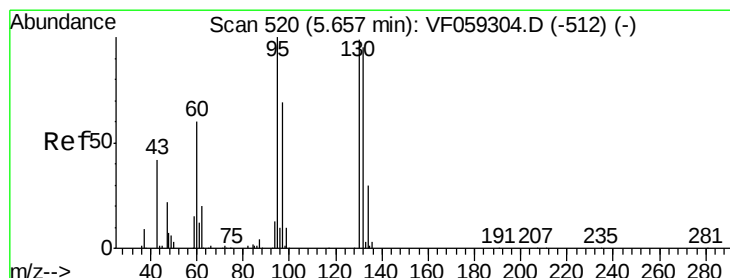
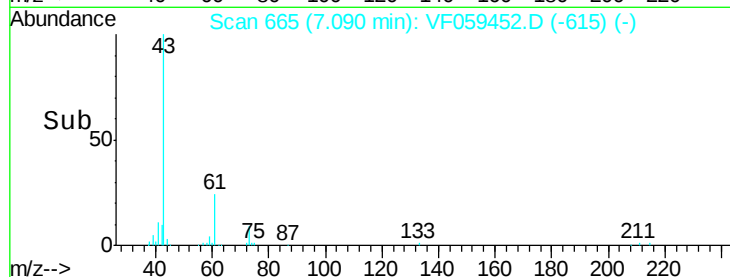
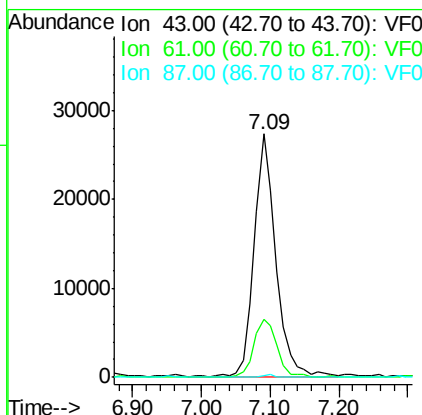
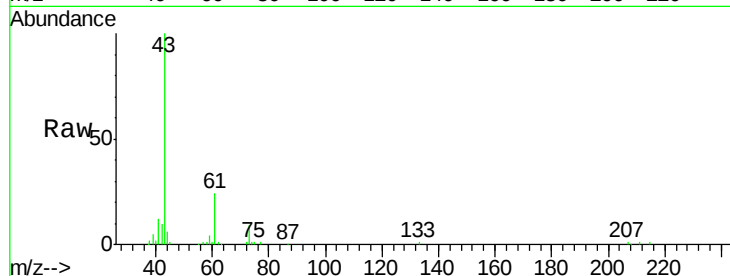
Isopropyl Acetate
 Concen: 21.94 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

Tot Ion:	43	Resp:	60751
Ion	Ratio	Lower	Upper
43	100		
61	23.8	19.7	29.5
87	0.5	0.5	0.7

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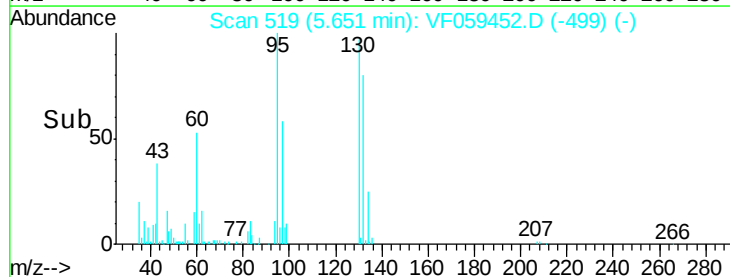
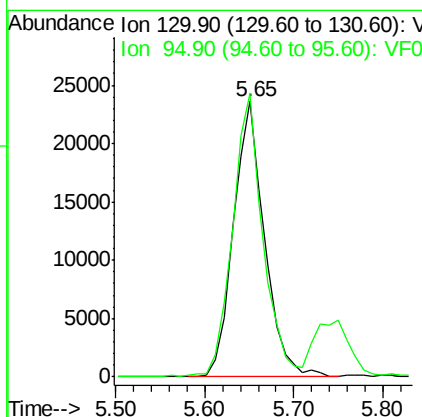
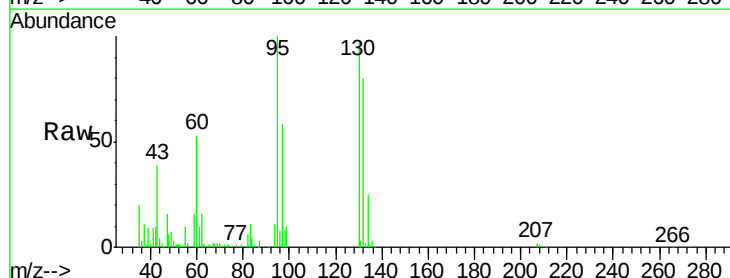
apatel
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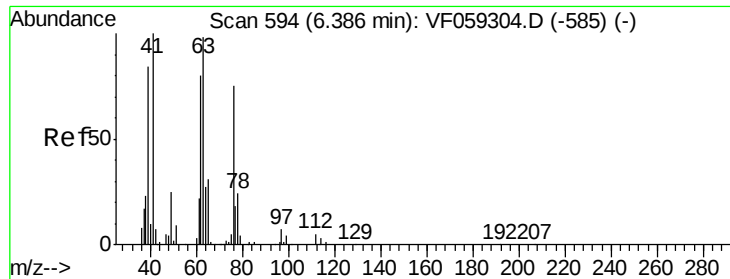


#44

Trichloroethene
 Concen: 22.58 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion:	130	Resp:	57110
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	202.4





#45

1,2-Dichloropropane

Concen: 21.54 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 63 Resp: 45370

Ion Ratio Lower Upper

63 100

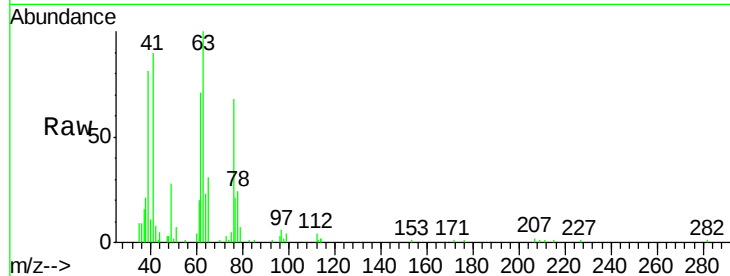
65 30.6 25.3 37.9

Manual Integrations

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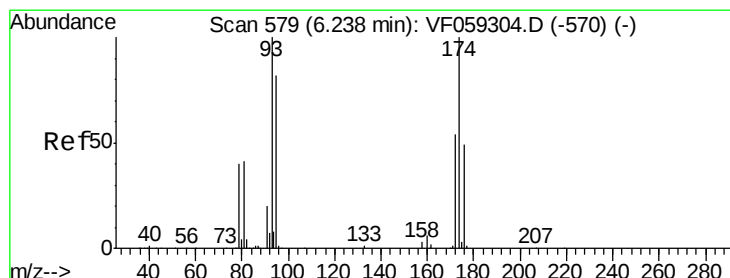
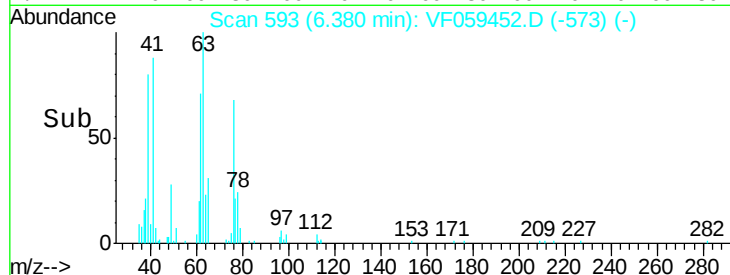
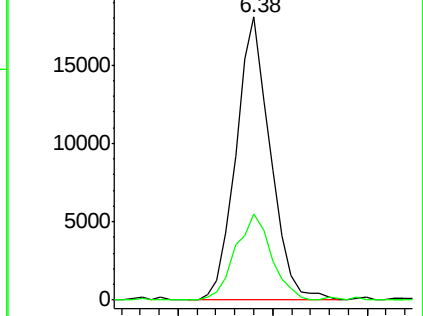
apatel

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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: 21.58 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

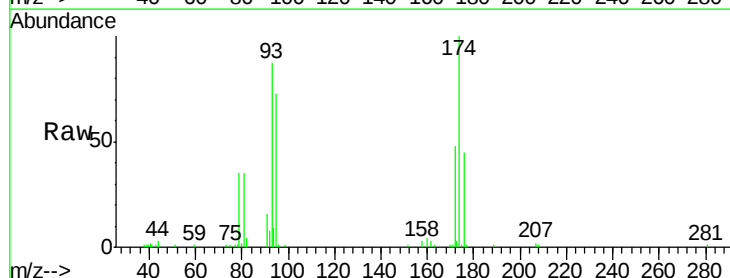
Tgt Ion: 93 Resp: 39446

Ion Ratio Lower Upper

93 100

95 83.4 65.6 98.4

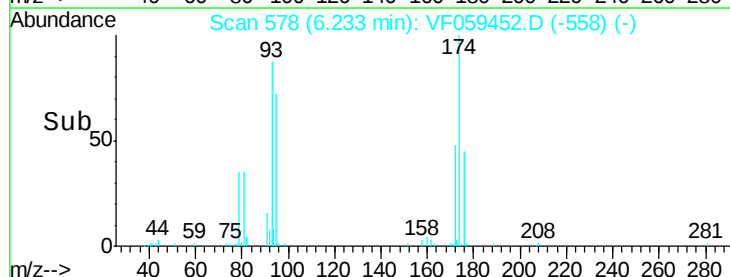
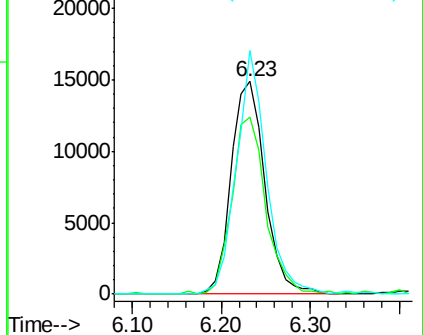
174 116.3 80.0 120.0

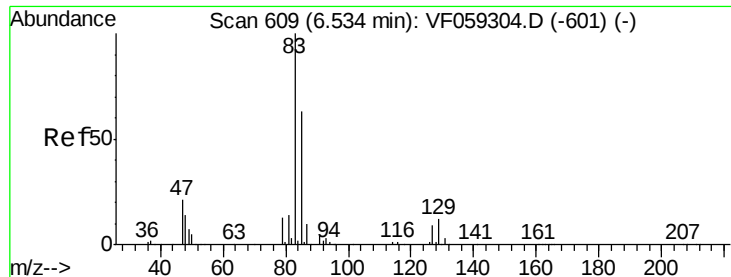


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.98 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

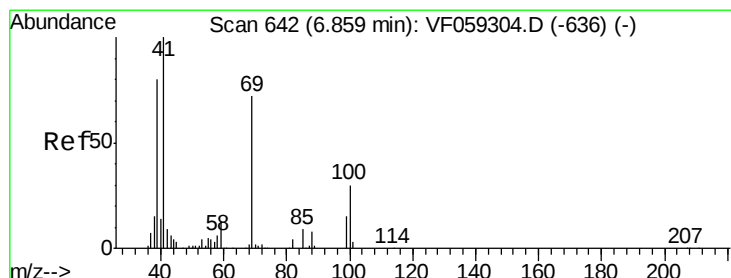
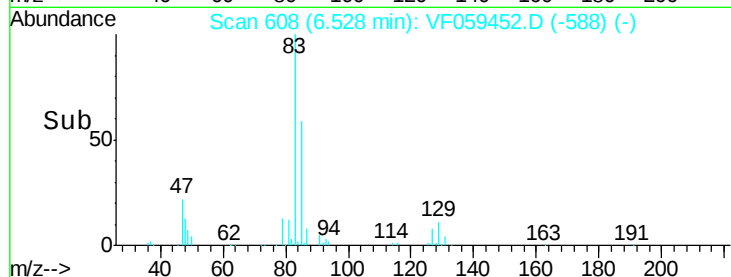
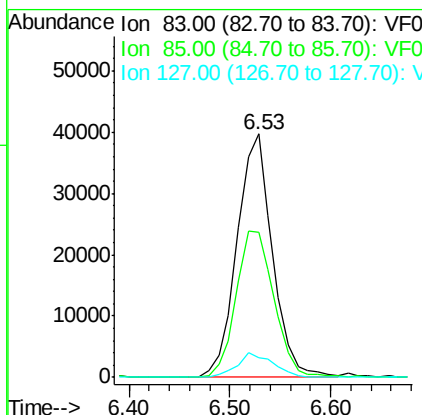
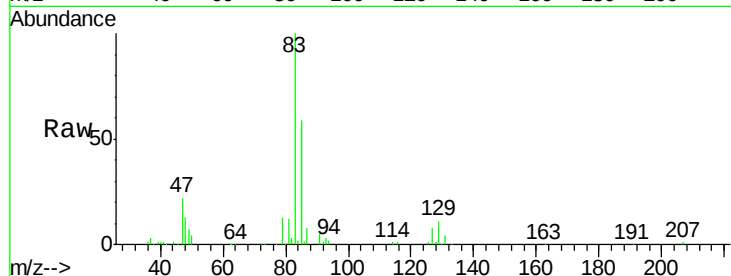
ClientSampleId :

VF0706SBSD01

Tot Ion:	83	Resp:	97265
Ion	Ratio	Lower	Upper
83	100		
85	59.5	50.2	75.2
127	8.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.73 ug/l

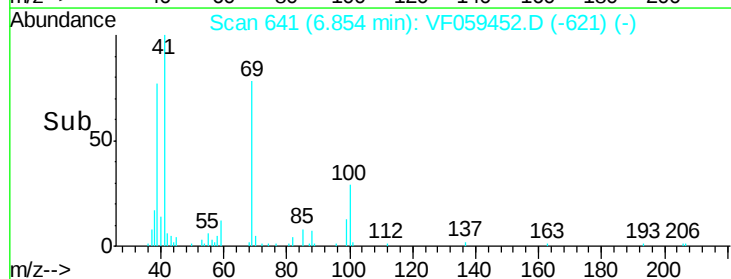
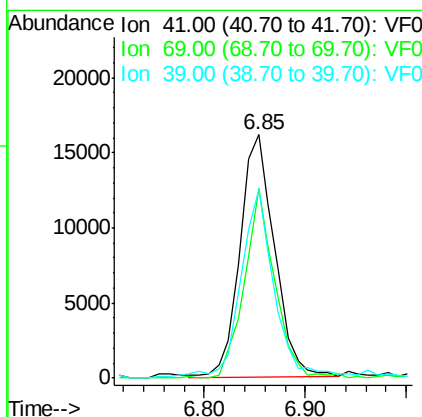
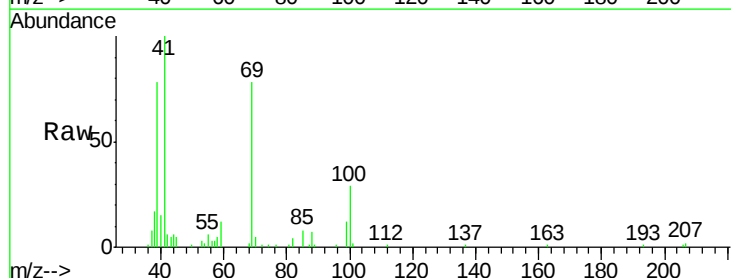
RT: 6.85 min Scan# 641

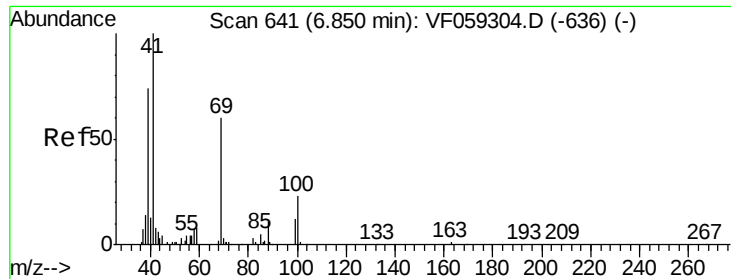
Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion:	41	Resp:	38474
Ion	Ratio	Lower	Upper
41	100		
69	77.8	57.3	85.9
39	77.7	64.4	96.6





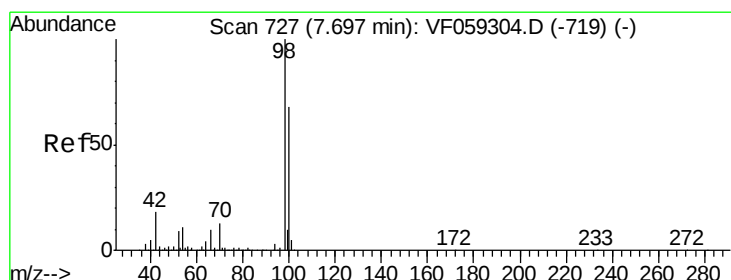
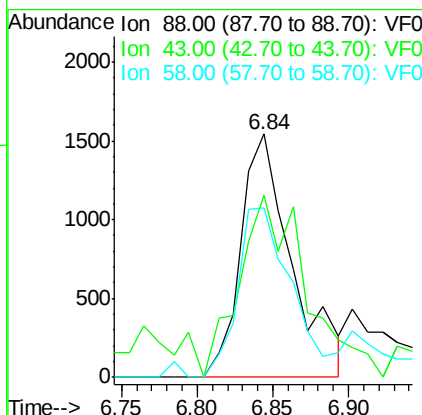
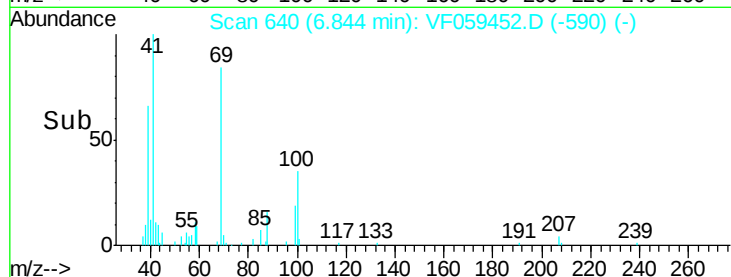
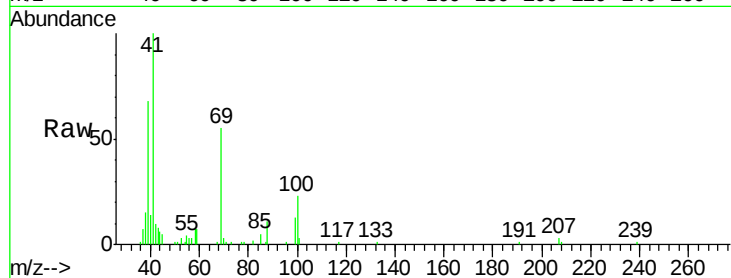
#49
1,4-Dioxane
Concen: 340.09 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	74.7	50.6	75.8
58	69.5	46.6	69.8

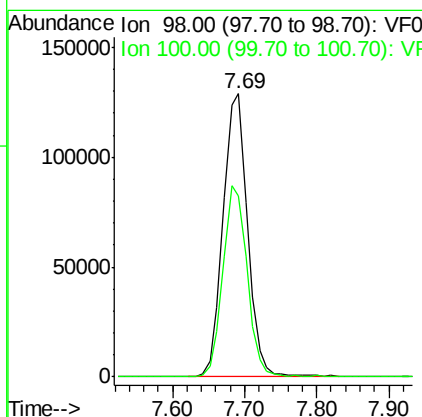
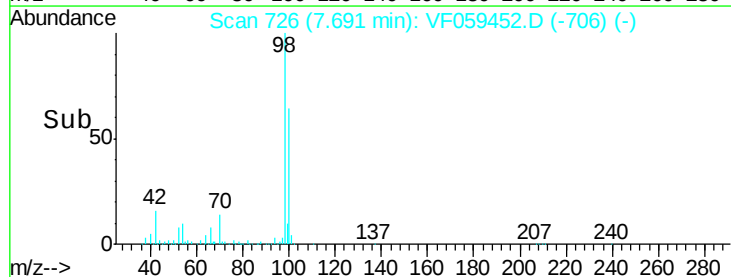
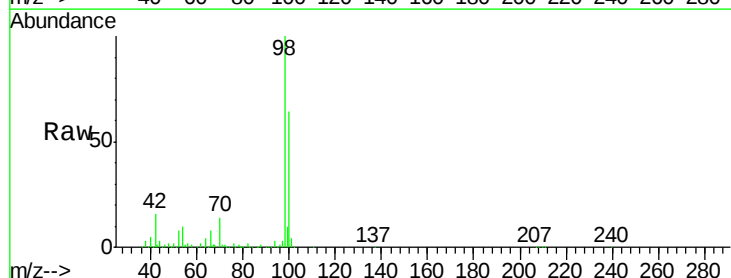
Manual Integrations
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#50
Toluene-d8
Concen: 44.22 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 105.15 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 43 Resp: 215732

Ion Ratio Lower Upper

43 100

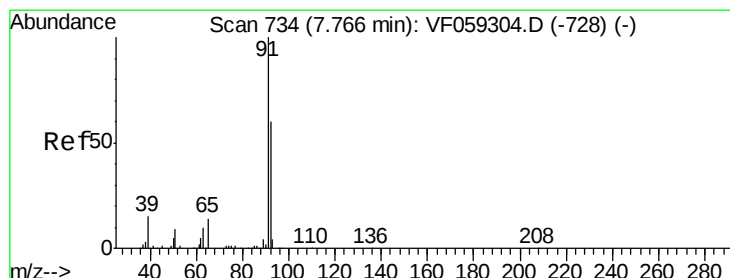
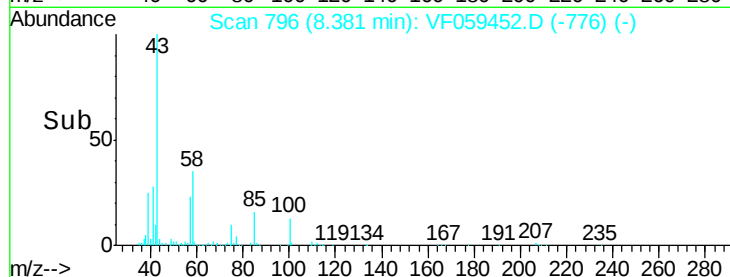
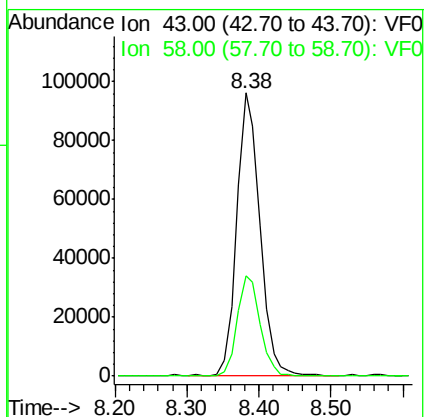
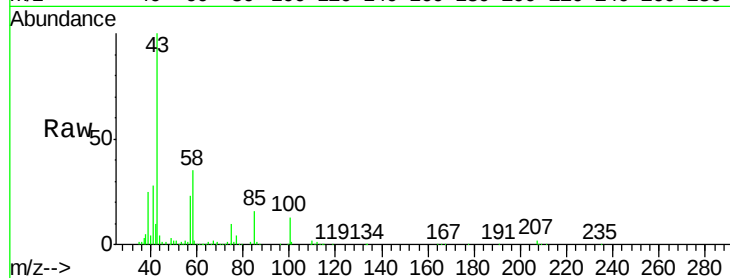
58 35.3 28.4 42.6

Manual Integrations

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#52

Toluene

Concen: 20.64 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.02 min

Lab File: VF059452.D

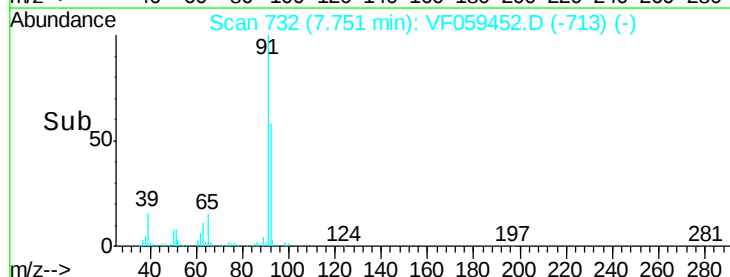
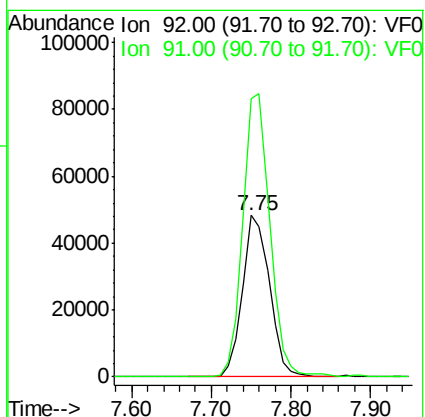
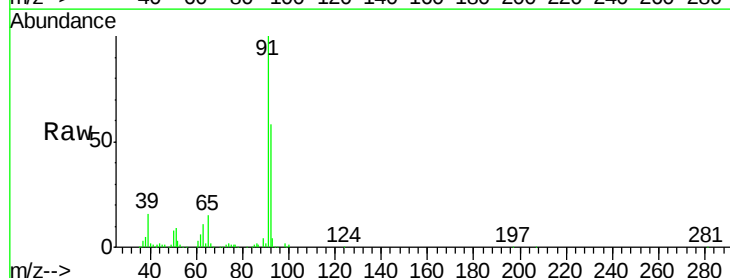
Acq: 6 Jul 2018 16:28

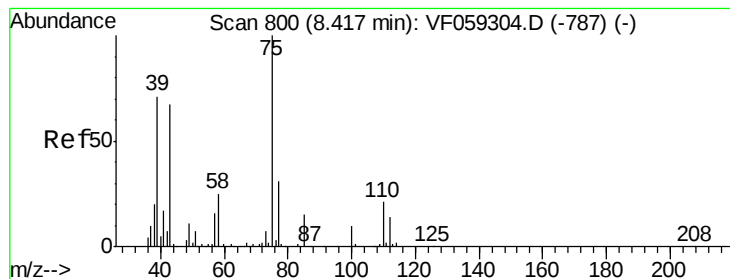
Tgt Ion: 92 Resp: 113828

Ion Ratio Lower Upper

92 100

91 172.2 132.8 199.2





#53

t-1,3-Dichloropropene

Concen: 22.44 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 75 Resp: 90524

Ion Ratio Lower Upper

75 100

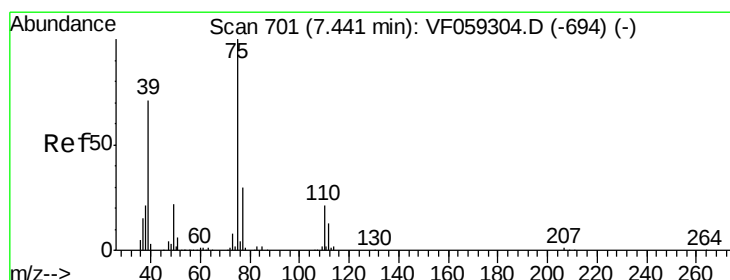
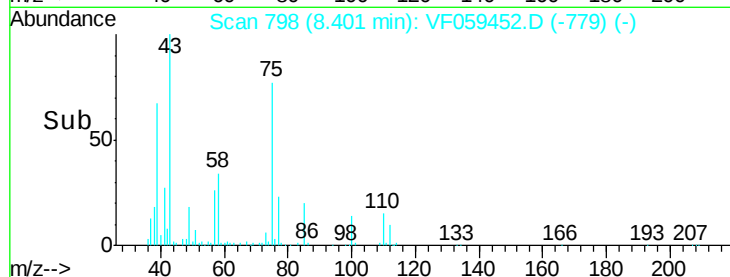
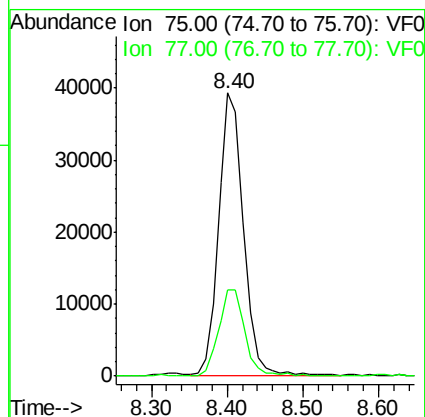
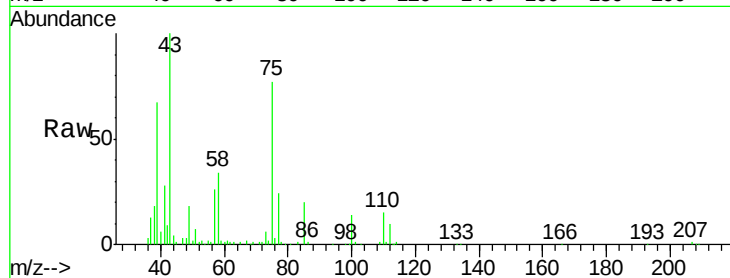
77 30.7 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 20.77 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

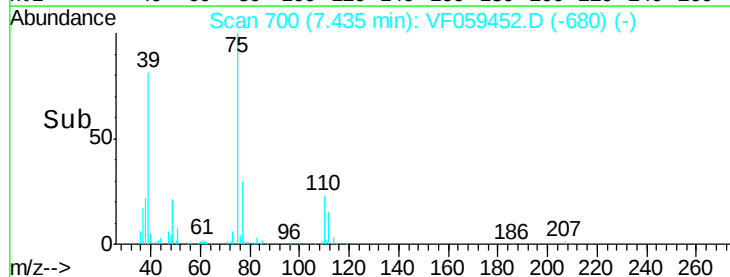
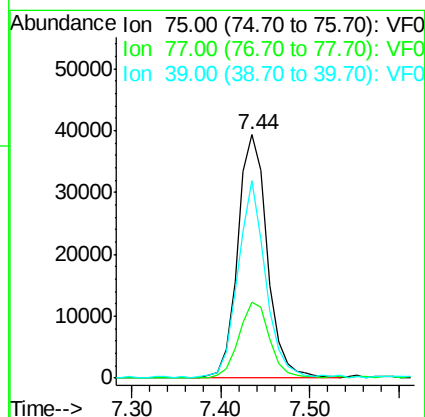
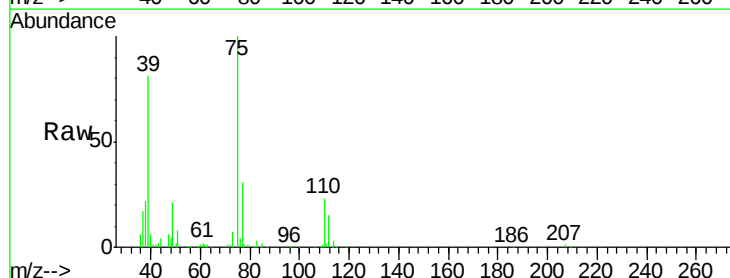
Tgt Ion: 75 Resp: 91005

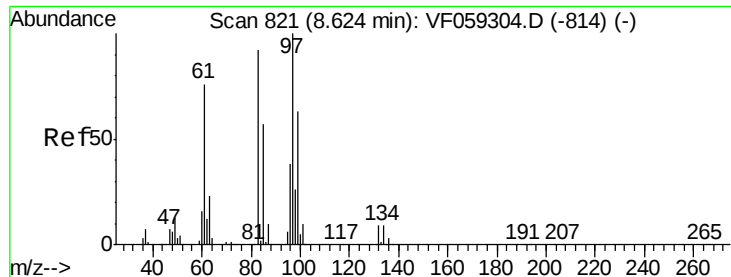
Ion Ratio Lower Upper

75 100

77 31.2 24.3 36.5

39 81.2 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 22.11 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

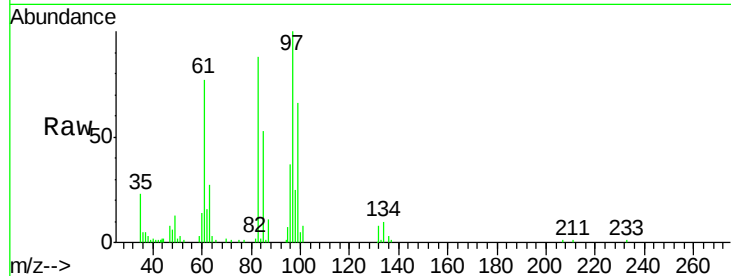
VF0706SBSD01

Tot Ion:	97	Resp:	47347
Ion	Ratio	Lower	Upper
97	100		
83	87.6	73.8	110.8
85	52.6	45.5	68.3
99	65.5	50.7	76.1

Manual Integrations
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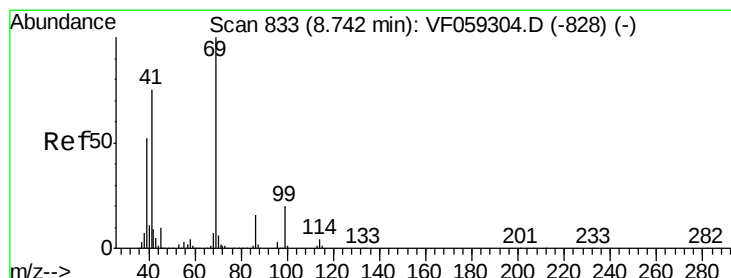
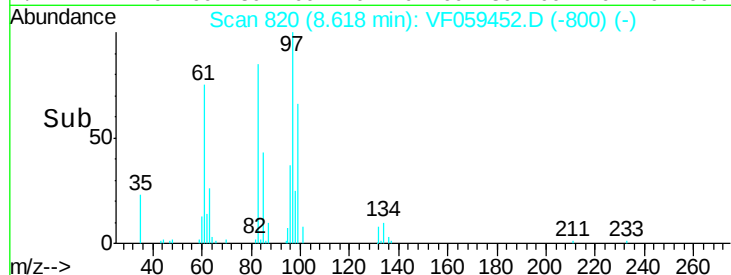
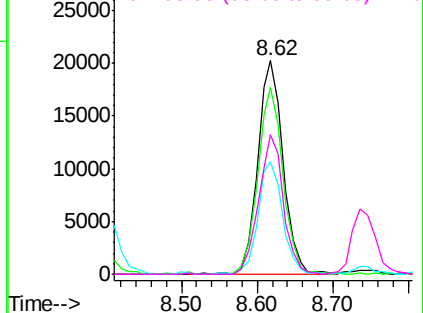


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.20 ug/l

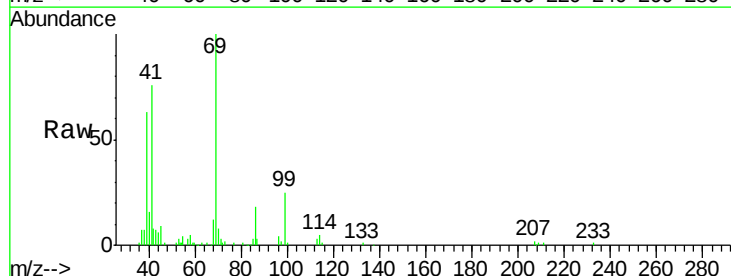
RT: 8.74 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

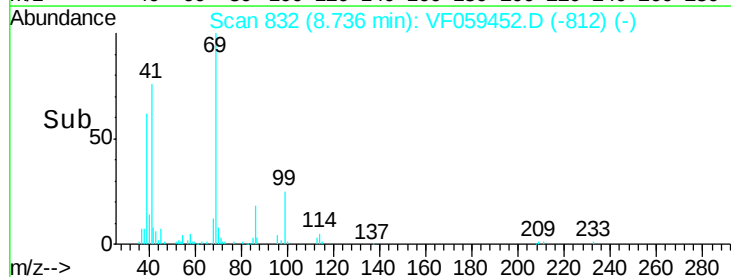
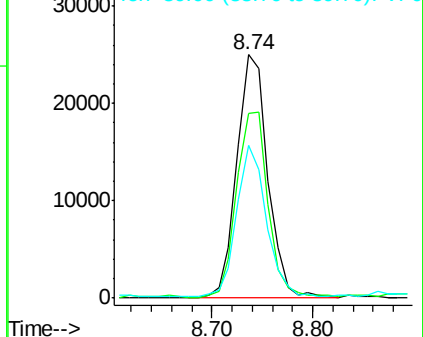
Tgt Ion:	69	Resp:	53589
Ion	Ratio	Lower	Upper
69	100		
41	75.9	60.3	90.5
39	62.8	42.2	63.4

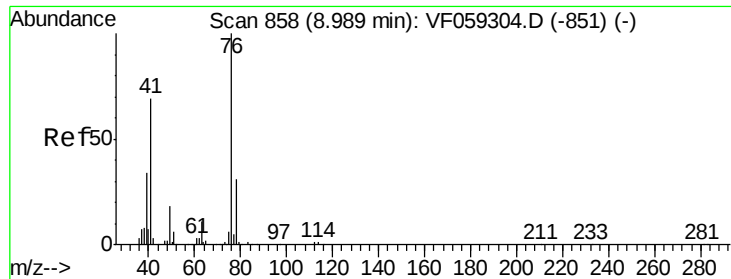


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





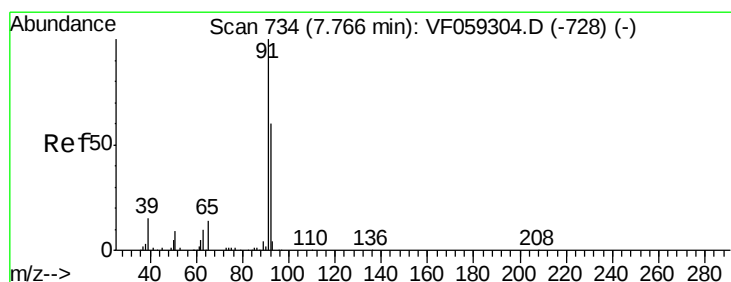
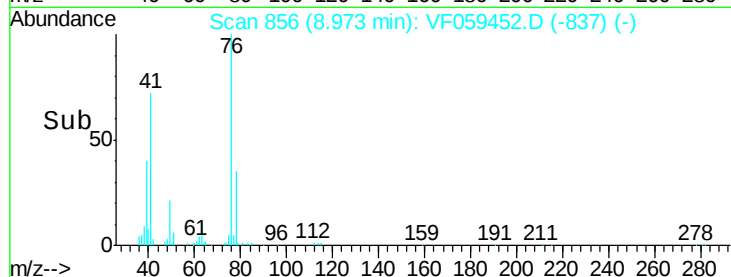
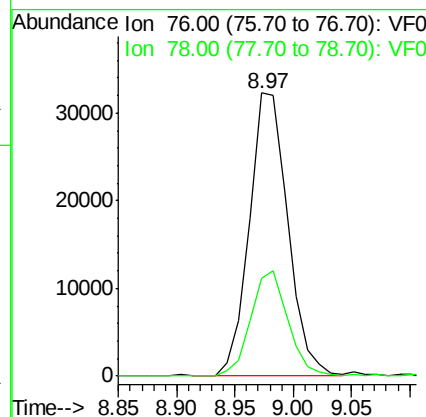
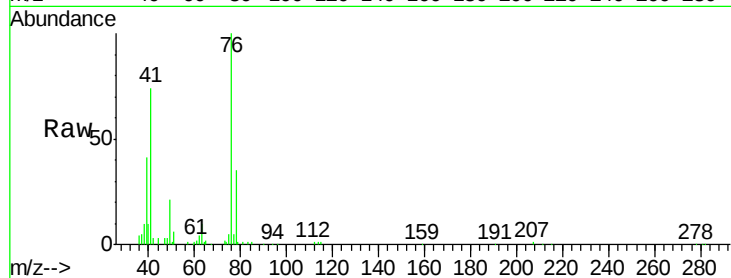
#57
 1,3-Dichloropropane
 Concen: 20.26 ug/l
 RT: 8.97 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.7	24.9	37.3

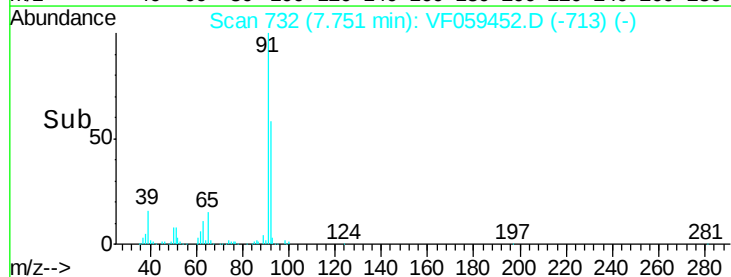
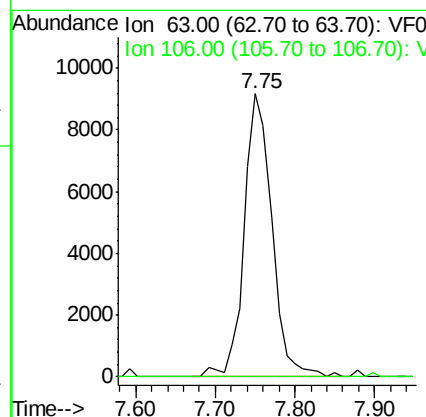
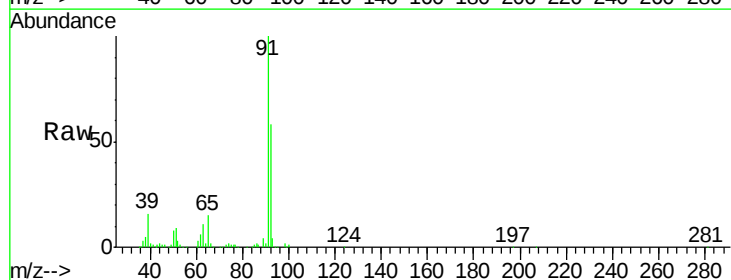
Manual Integrations
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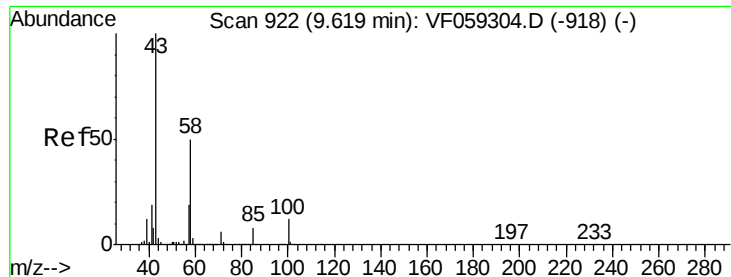
apatel
 7/9/2018 12:22:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.31 ug/l
 RT: 7.75 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





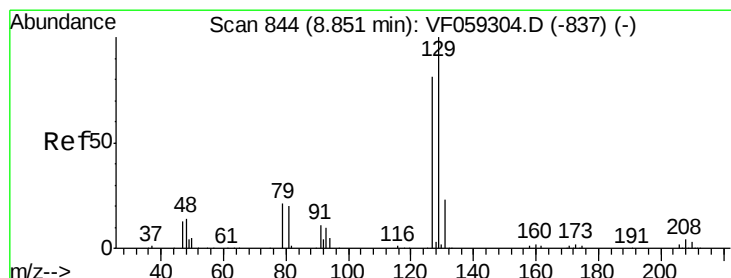
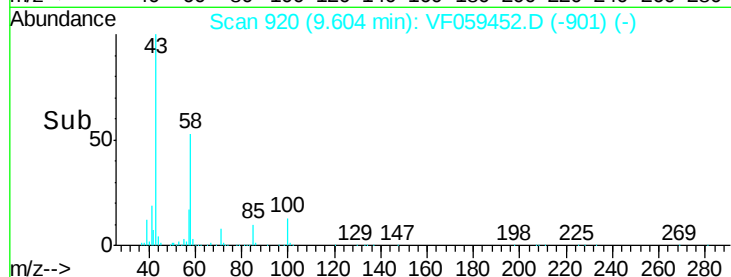
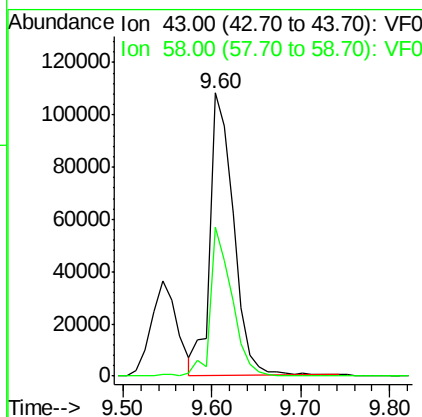
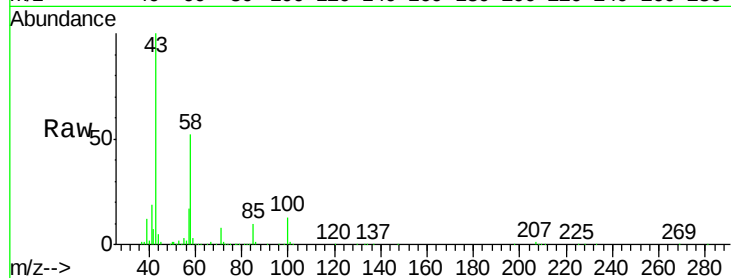
#59
2-Hexanone
Concen: 119.78 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion: 43 Resp: 198184
Ion Ratio Lower Upper
43 100
58 52.5 23.3 69.9

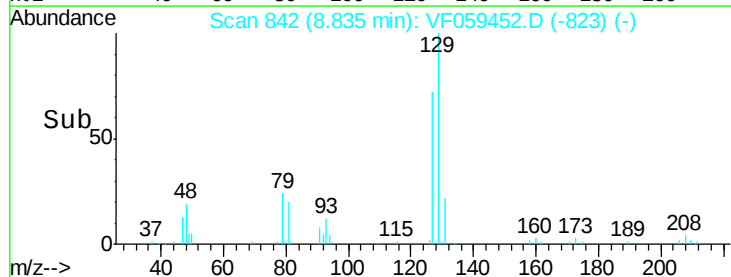
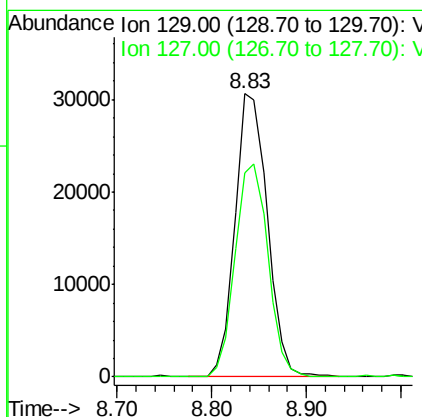
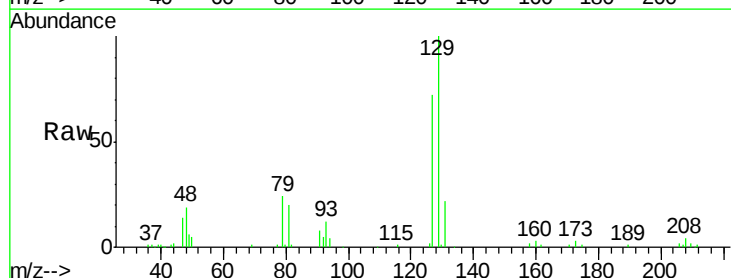
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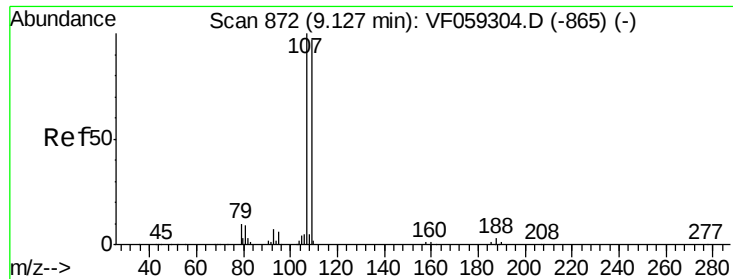
apatel
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#60
Dibromochloromethane
Concen: 22.04 ug/l
RT: 8.83 min Scan# 842
Delta R.T. -0.02 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion: 129 Resp: 72879
Ion Ratio Lower Upper
129 100
127 72.2 40.7 122.1





#61

1,2-Dibromoethane

Concen: 20.54 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion:107 Resp: 53340

Ion Ratio Lower Upper

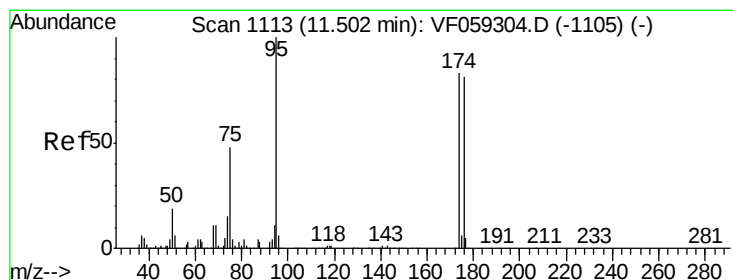
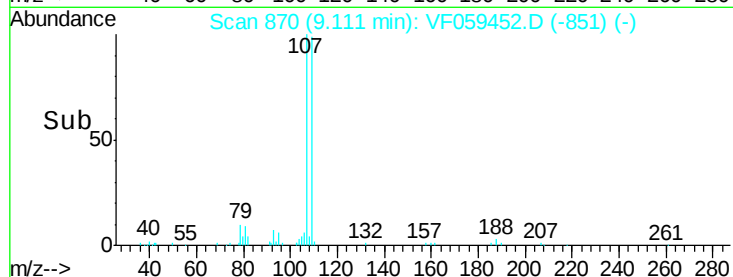
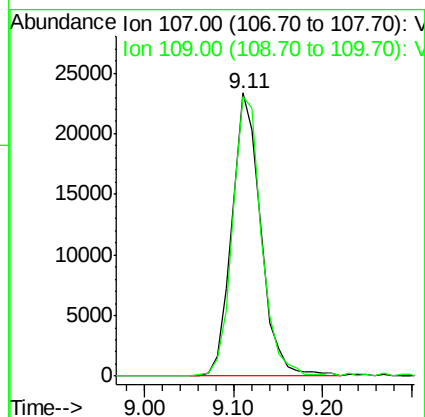
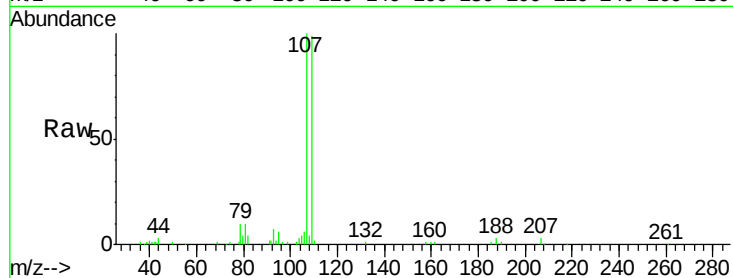
107 100

109 98.8 77.3 115.9

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#62

4-Bromofluorobenzene

Concen: 47.07 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

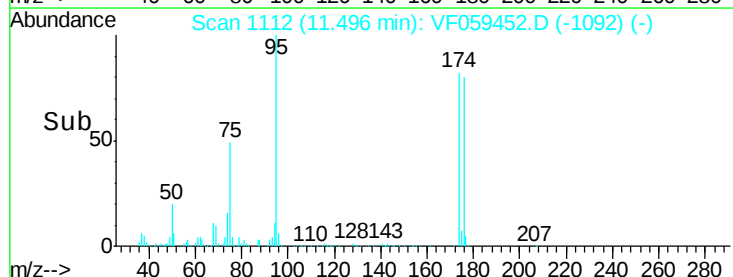
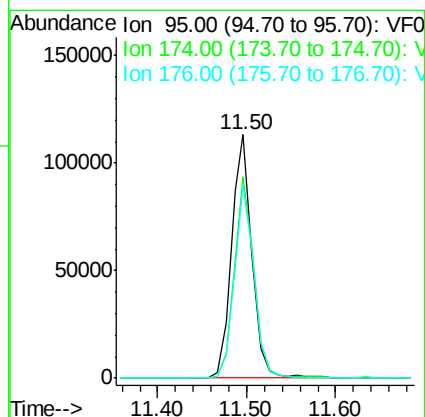
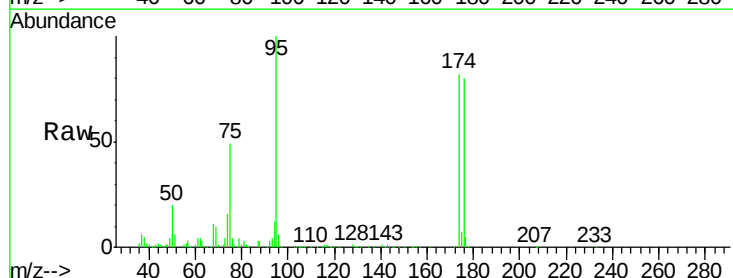
Tgt Ion: 95 Resp: 182798

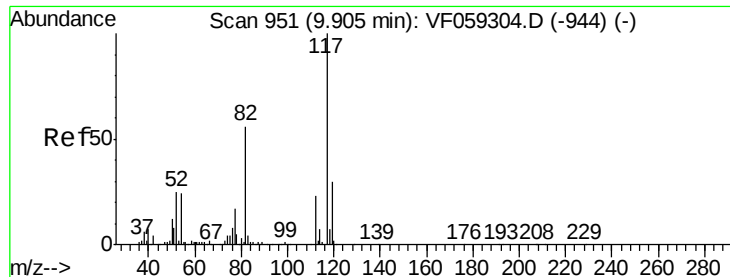
Ion Ratio Lower Upper

95 100

174 82.5 0.0 165.2

176 79.6 0.0 161.0





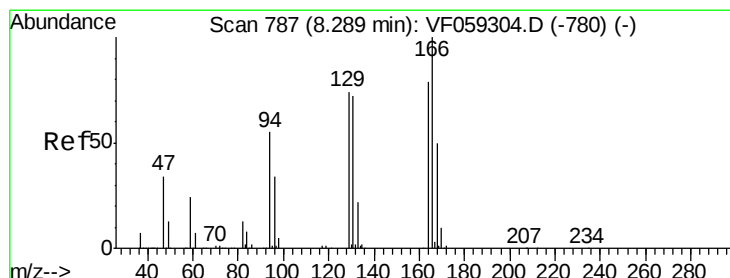
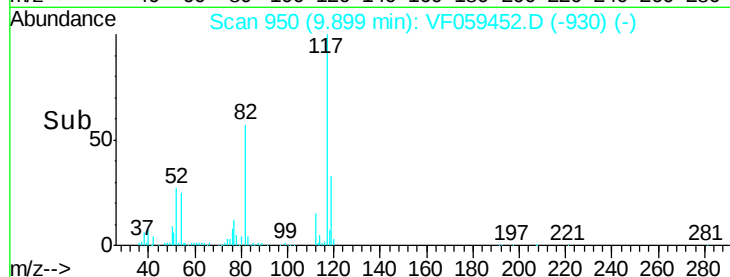
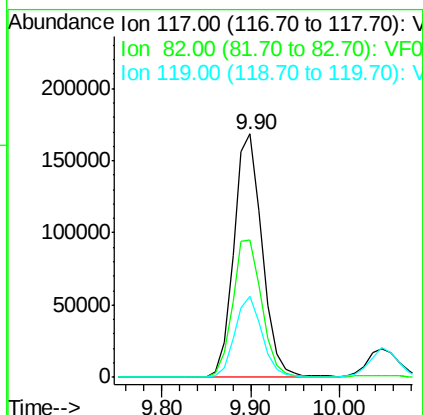
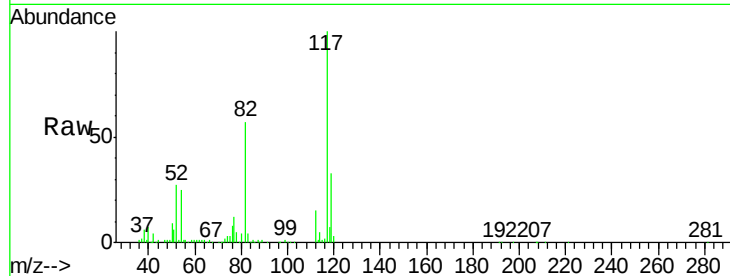
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	373435		
82	56.6		44.6	66.8
119	33.1		24.1	36.1

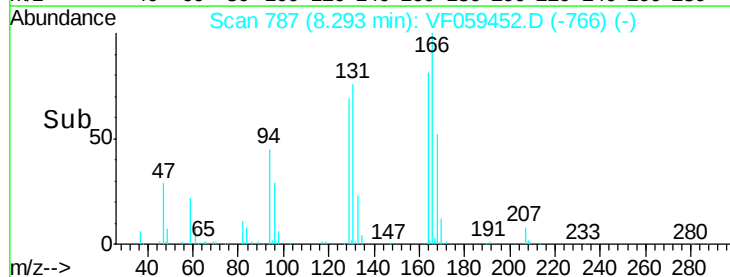
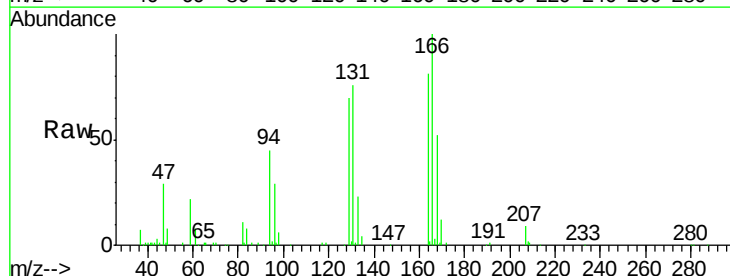
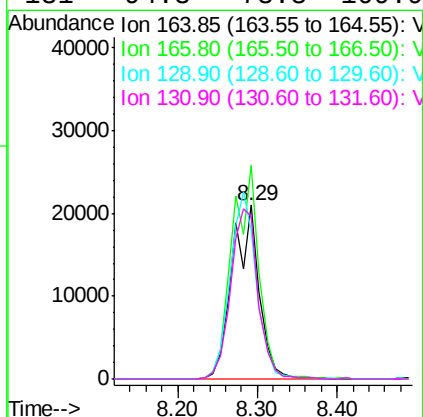
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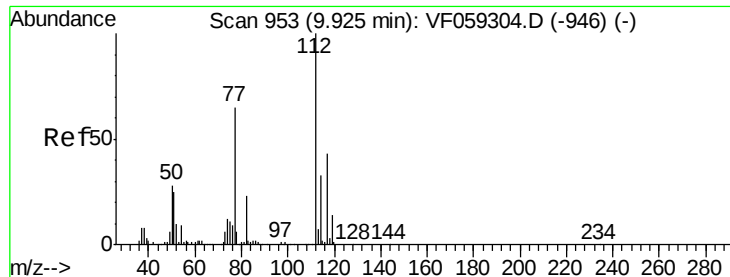
apatel
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#64
Tetrachloroethene
Concen: 20.46 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49563		
166	123.0		101.1	151.7
129	85.7		75.0	112.4
131	94.3		73.3	109.9





#65

Chlorobenzene

Concen: 22.02 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion:112 Resp: 152360

Ion Ratio Lower Upper

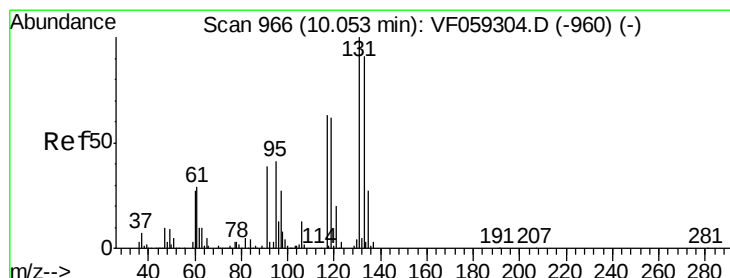
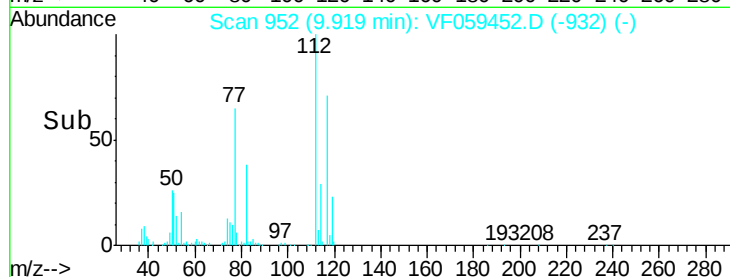
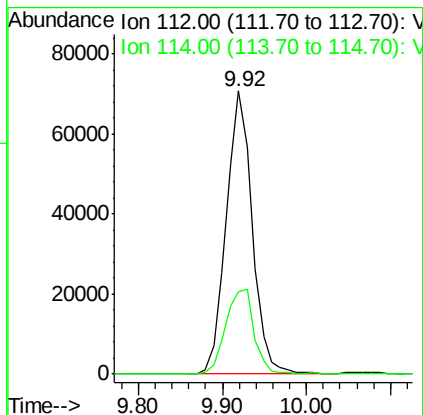
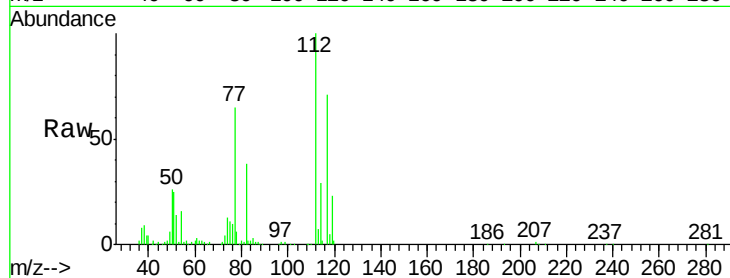
112 100

114 29.3 26.5 39.7

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#66

1,1,1,2-Tetrachloroethane

Concen: 23.52 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

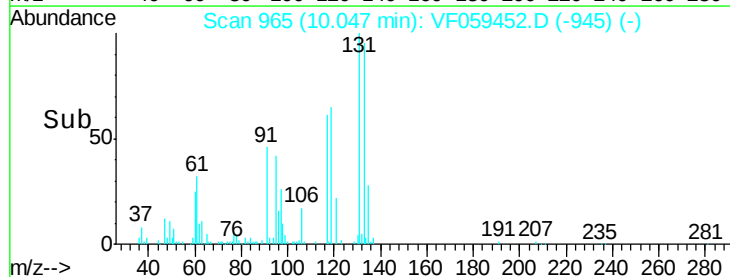
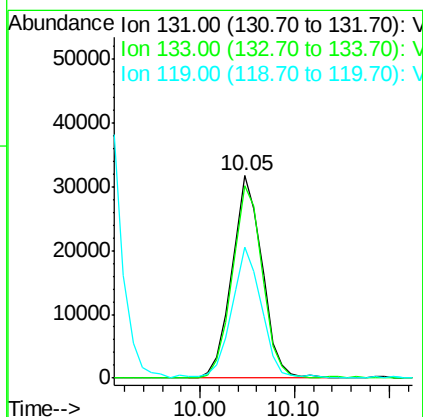
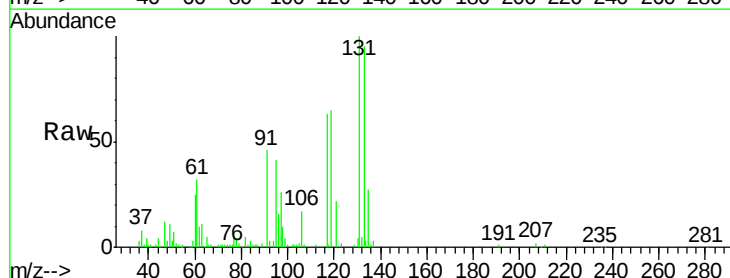
Tgt Ion:131 Resp: 70379

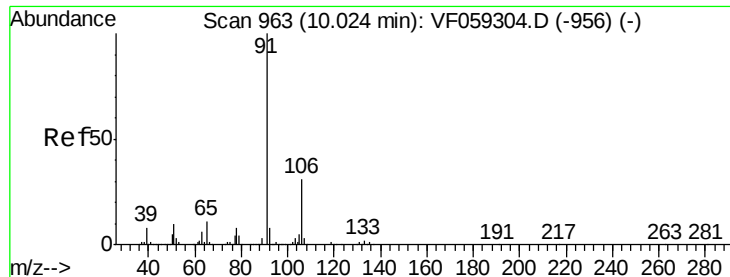
Ion Ratio Lower Upper

131 100

133 95.0 45.3 135.9

119 64.7 31.3 93.9





#67

Ethyl Benzene

Concen: 23.28 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 91 Resp: 273302

Ion Ratio Lower Upper

91 100

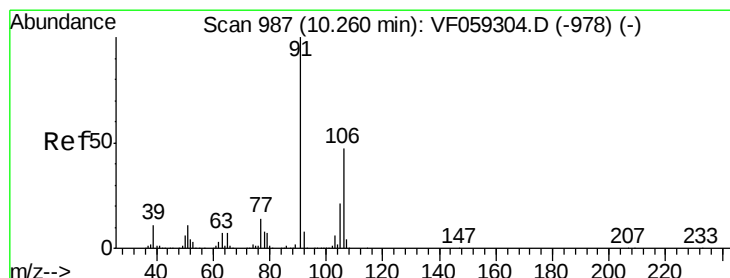
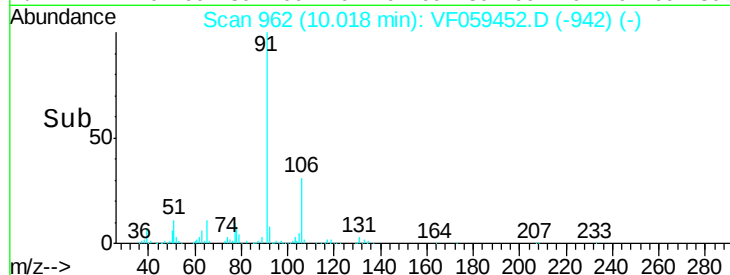
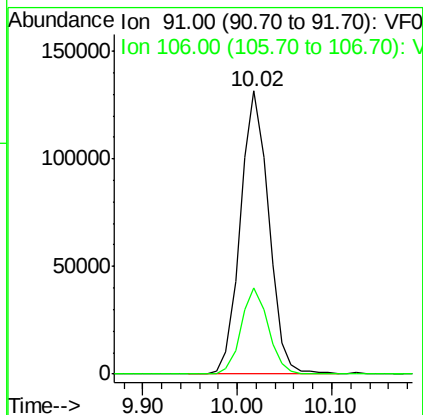
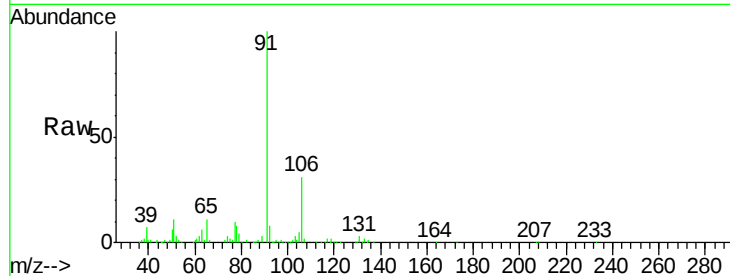
106 30.7 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 46.78 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF059452.D

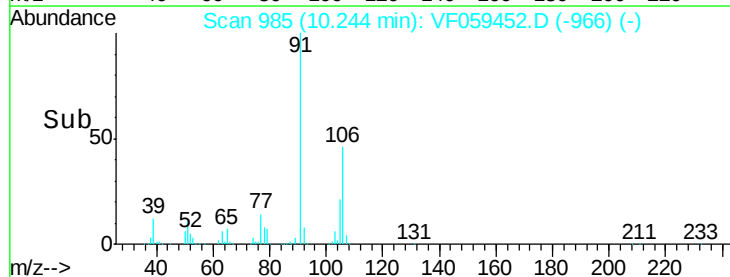
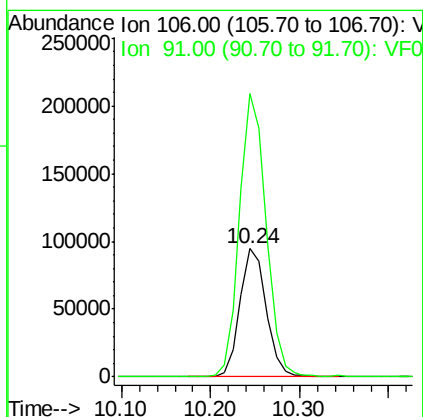
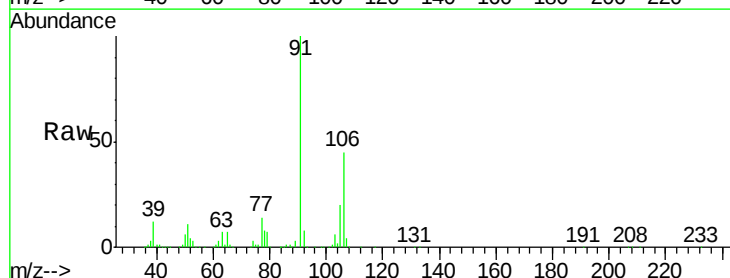
Acq: 6 Jul 2018 16:28

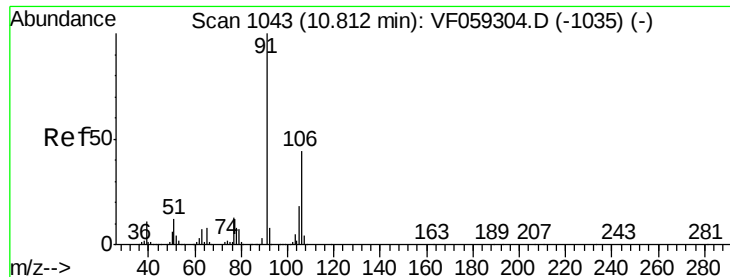
Tgt Ion: 106 Resp: 195470

Ion Ratio Lower Upper

106 100

91 220.6 170.8 256.2





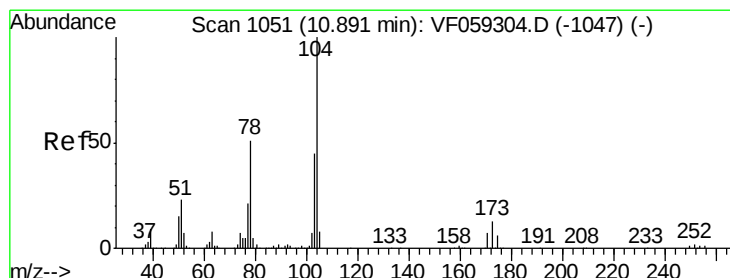
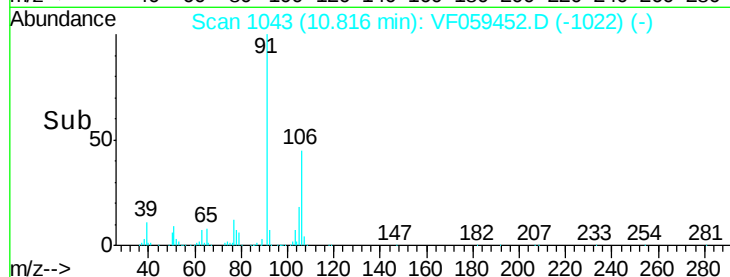
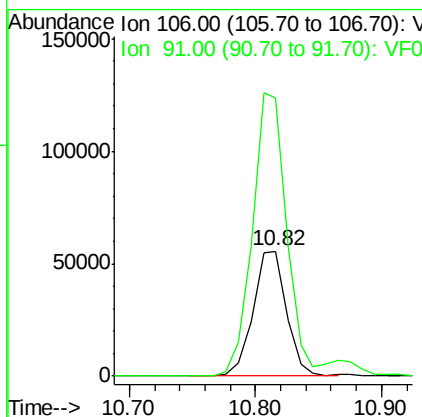
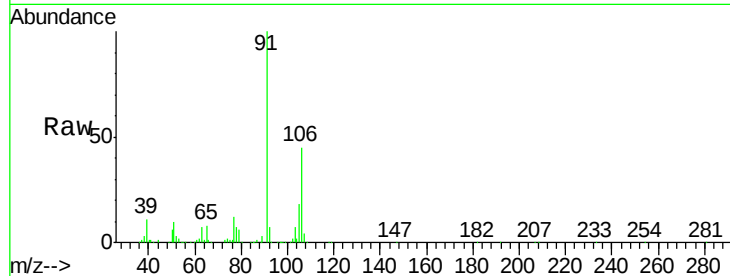
#69
o-Xylene
Concen: 21.98 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	102723		
91	91	222.5	114.6	343.6	

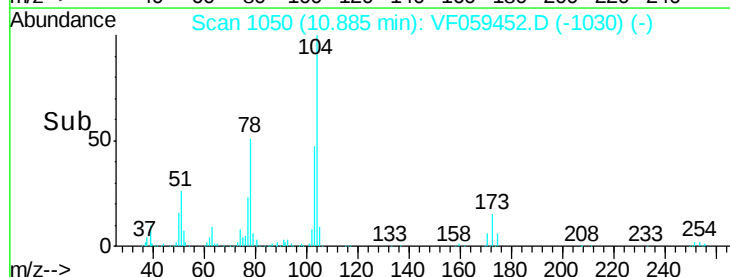
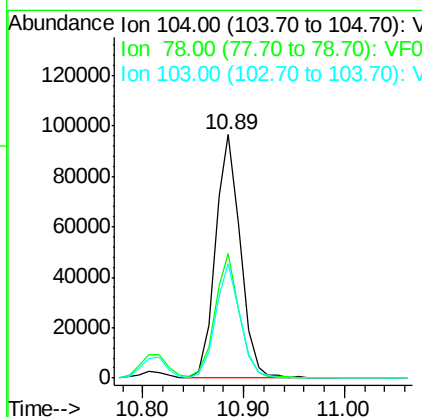
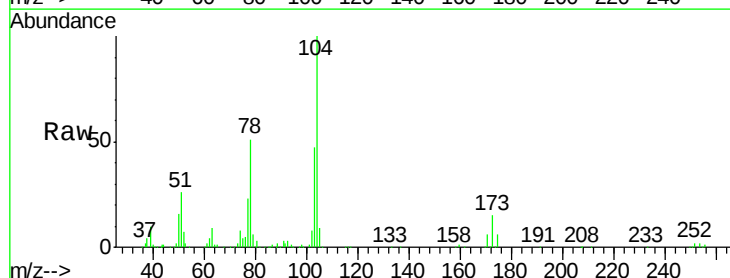
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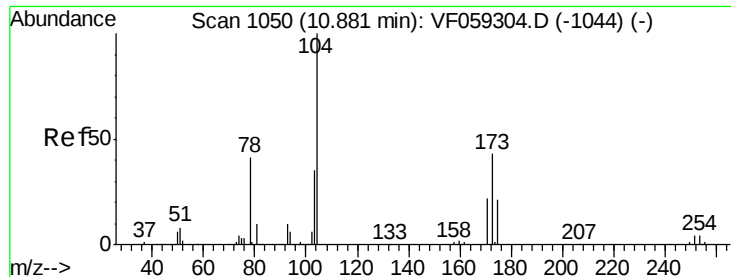
apatel
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#70
Styrene
Concen: 23.25 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	165537		
78	78	51.2	40.9	61.3	
103	103	47.1	36.5	54.7	





#71

Bromoform

Concen: 22.92 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

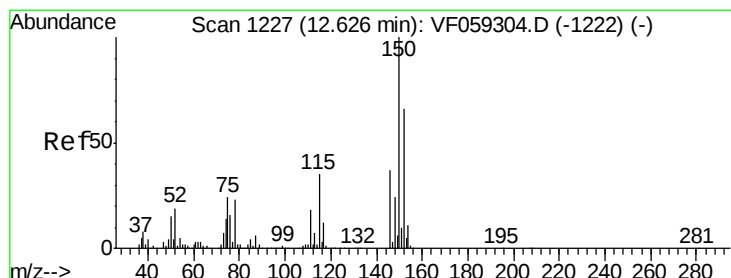
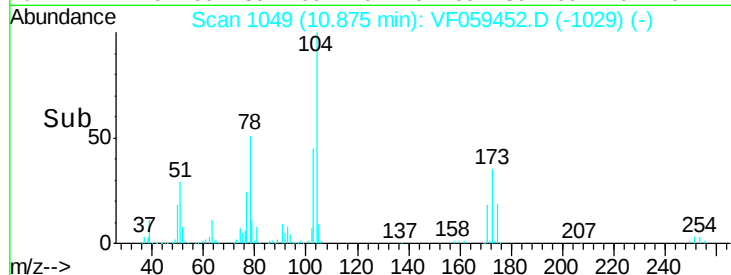
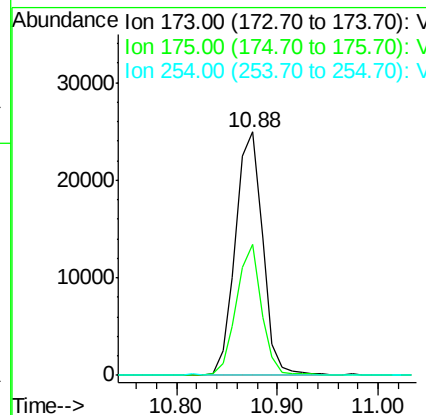
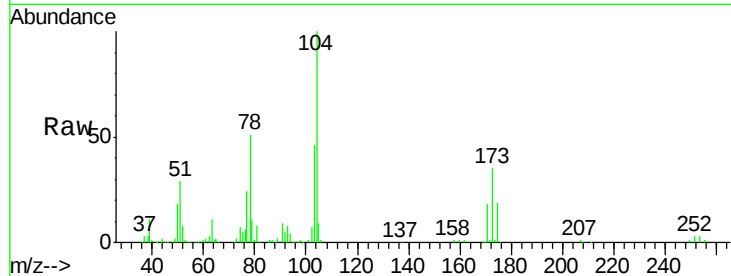
ClientSampleId :

VF0706SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	54.0	24.8	74.3	
254	0.0	0.0	0.0	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

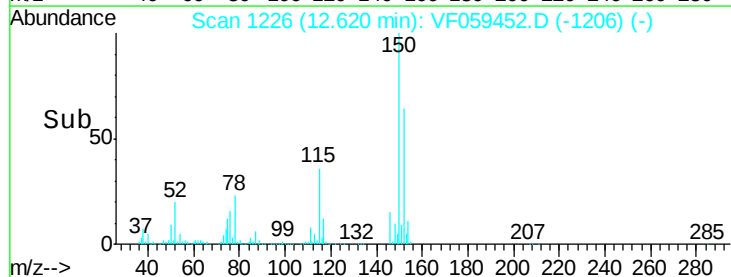
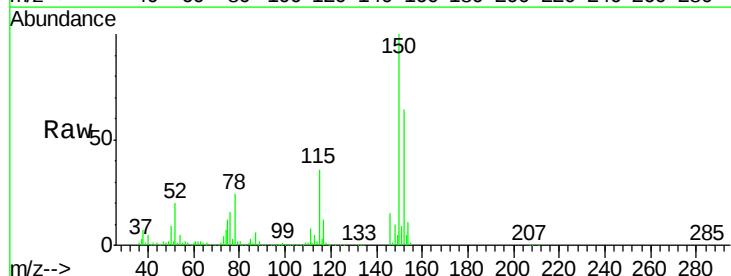
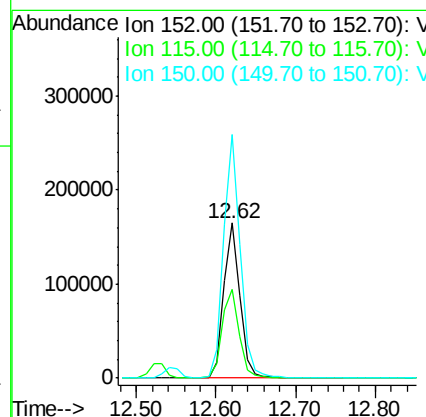
RT: 12.62 min Scan# 1226

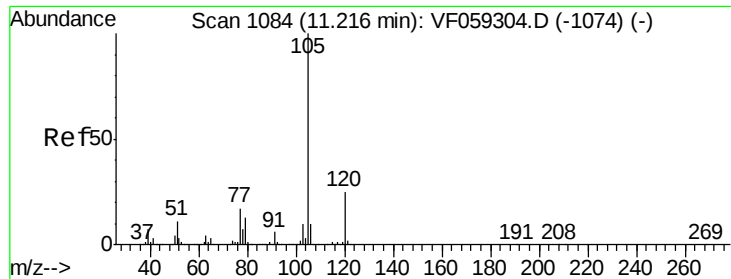
Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	57.1	27.1	81.3	
150	157.2	0.0	305.2	





#73

Isopropylbenzene

Concen: 22.57 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion:105 Resp: 315266

Ion Ratio Lower Upper

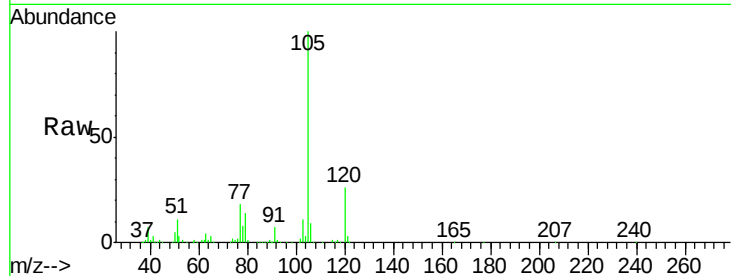
105 100

120 25.8 12.3 36.8

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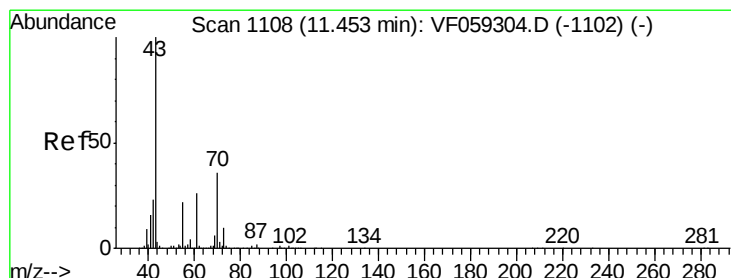
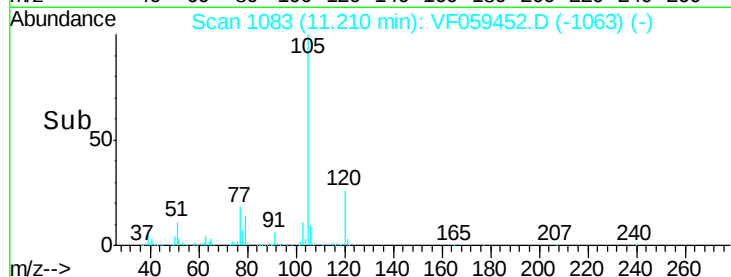
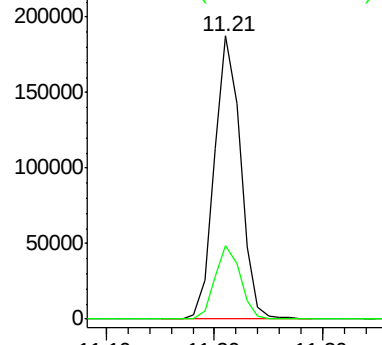
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.11 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion: 43 Resp: 107031

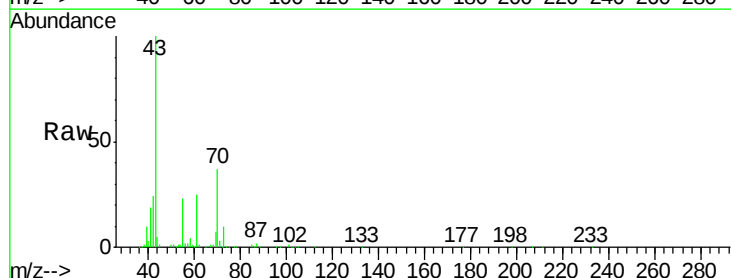
Ion Ratio Lower Upper

43 100

70 37.2 28.8 43.2

55 22.5 17.4 26.0

61 25.4 21.1 31.7

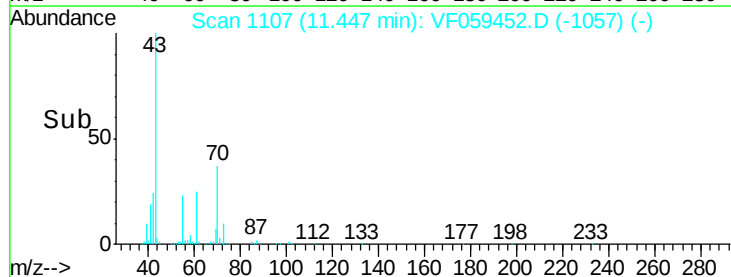
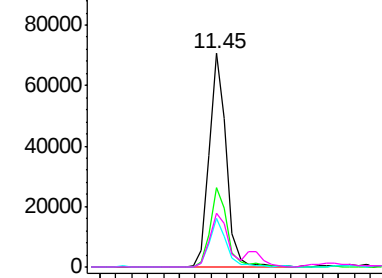


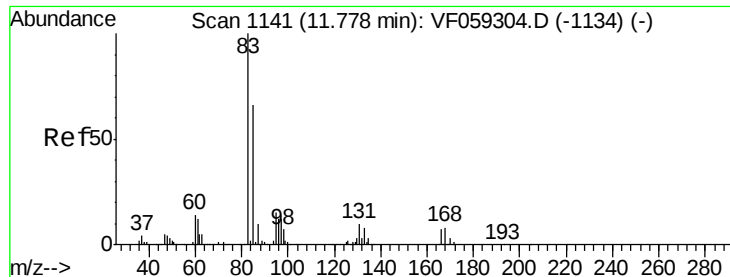
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.20 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

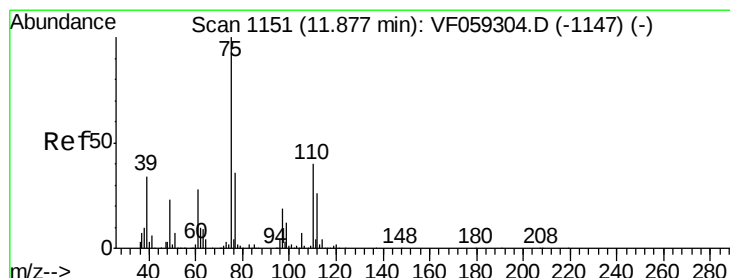
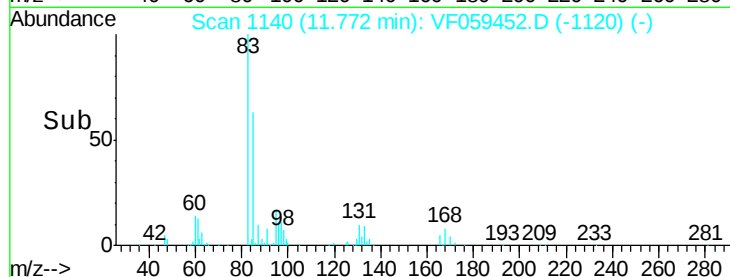
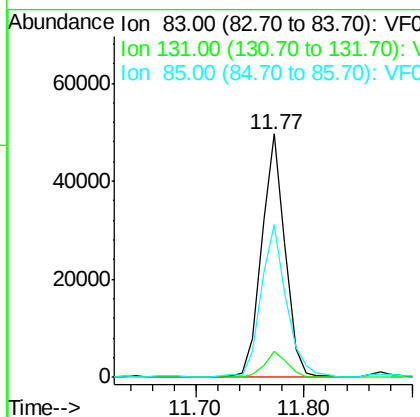
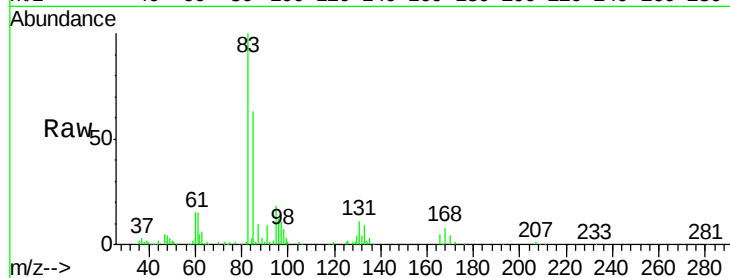
ClientSampleId :

VF0706SBS01

Tot Ion:	83	Resp:	74774
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.6
85	62.8	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 21.22 ug/l

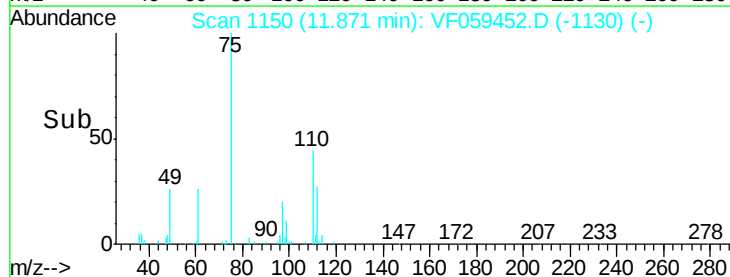
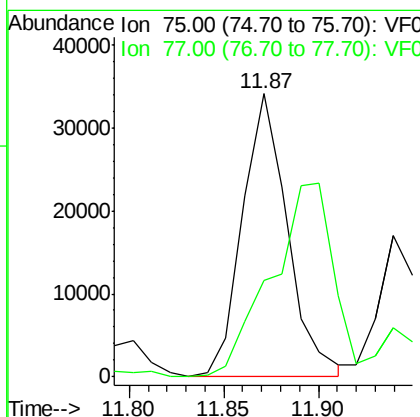
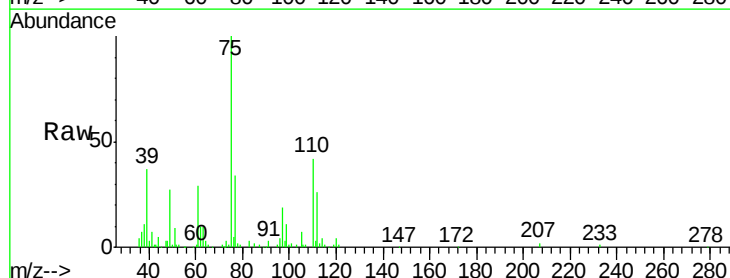
RT: 11.87 min Scan# 1150

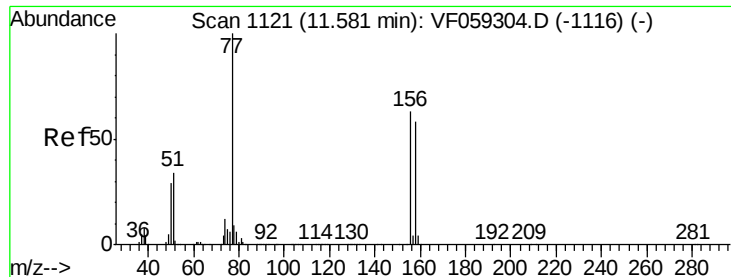
Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion:	75	Resp:	56477
Ion	Ratio	Lower	Upper
75	100		
77	34.1	18.0	54.0





#77

Bromobenzene

Concen: 21.86 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion:156 Resp: 84733

Ion Ratio Lower Upper

156 100

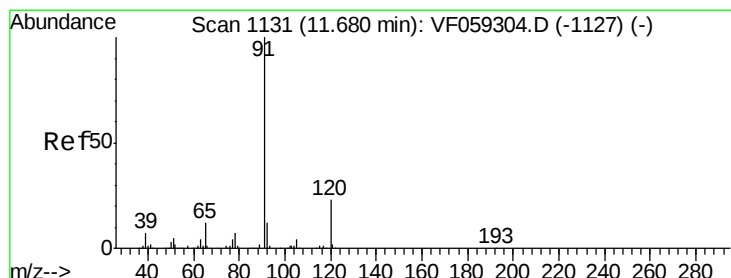
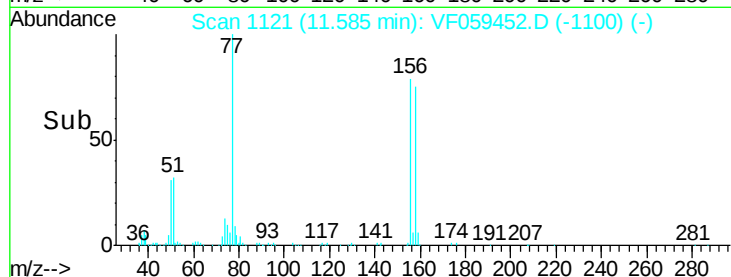
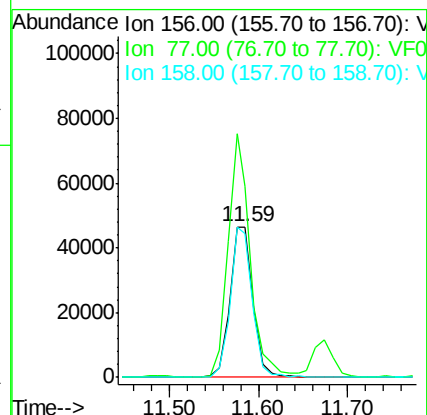
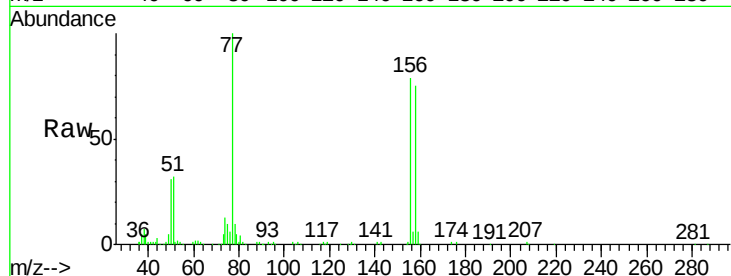
77 126.8 79.7 238.9

158 95.6 46.2 138.6

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#78

n-propylbenzene

Concen: 22.24 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059452.D

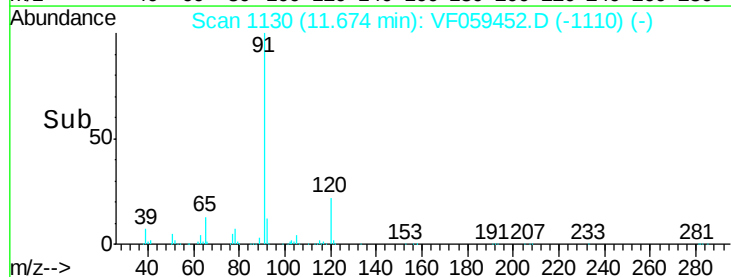
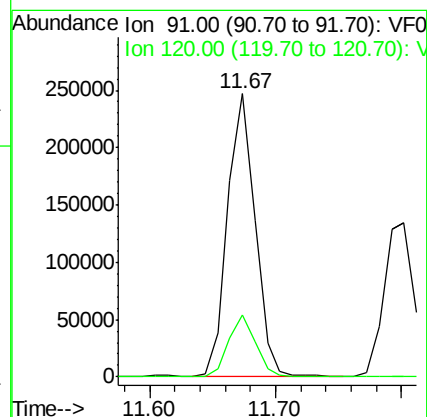
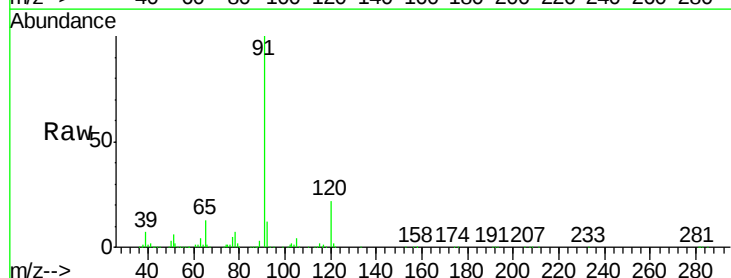
Acq: 6 Jul 2018 16:28

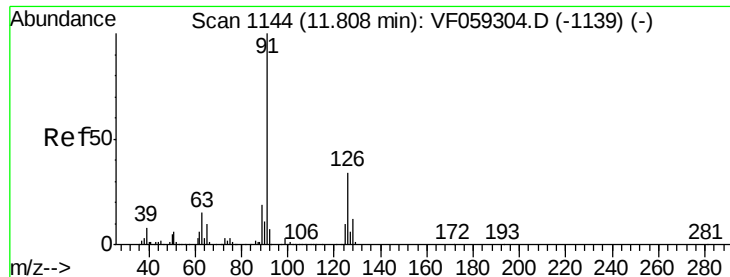
Tgt Ion: 91 Resp: 373117

Ion Ratio Lower Upper

91 100

120 22.1 11.7 35.0





#79

2-Chlorotoluene

Concen: 22.08 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBSD01

Tot Ion: 91 Resp: 226342

Ion Ratio Lower Upper

91 100

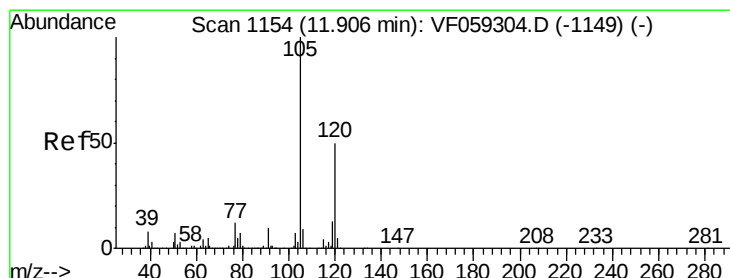
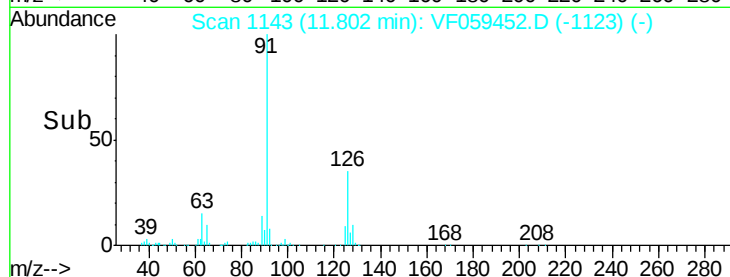
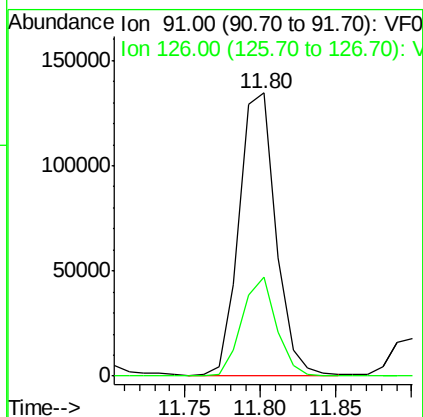
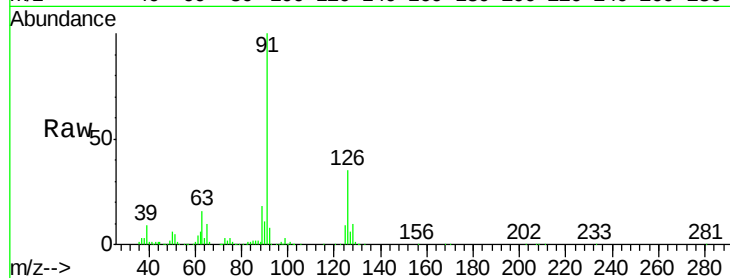
126 35.1 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 22.43 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059452.D

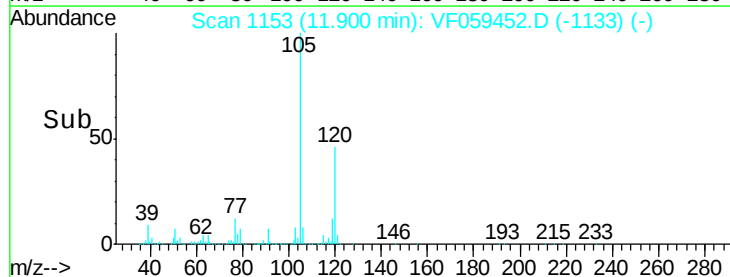
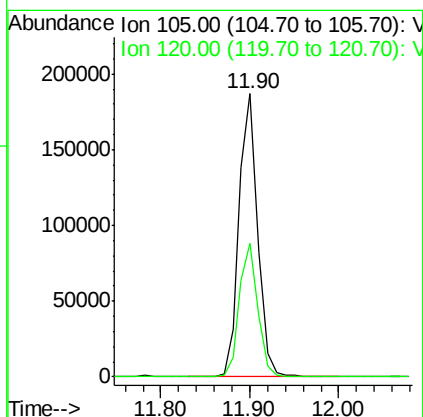
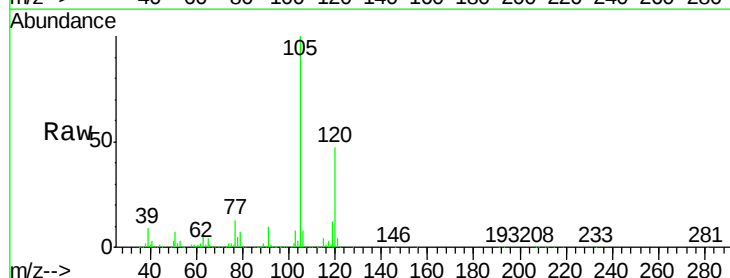
Acq: 6 Jul 2018 16:28

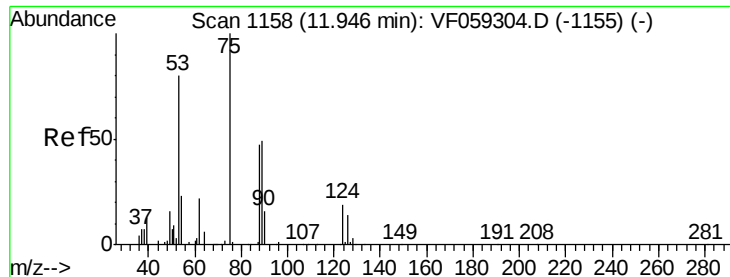
Tgt Ion: 105 Resp: 274475

Ion Ratio Lower Upper

105 100

120 47.2 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.62 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

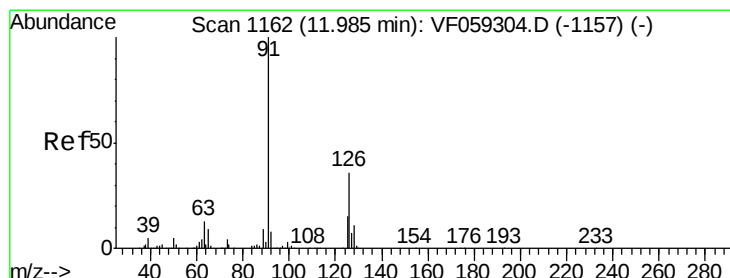
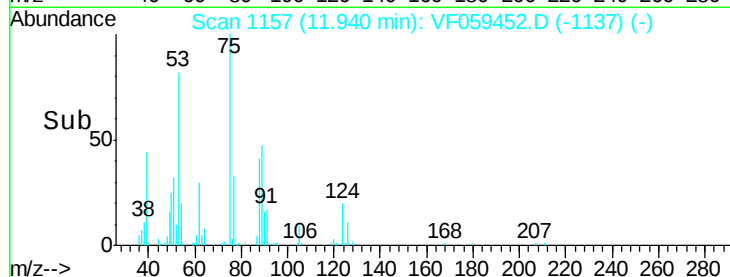
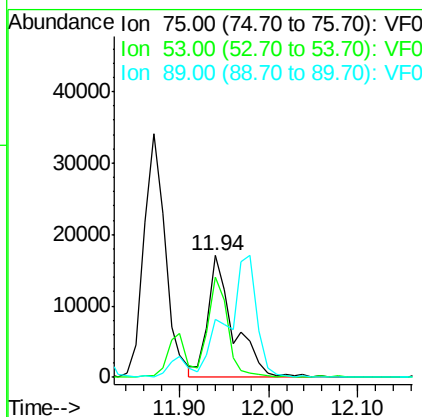
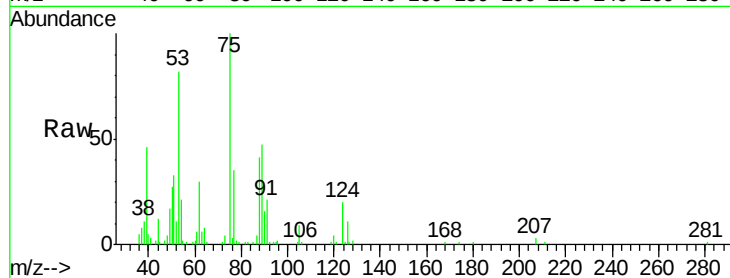
ClientSampleId :

VF0706SBSD01

Tot Ion:	75	Resp:	34244
Ion	Ratio	Lower	Upper
75	100		
53	82.3	68.8	103.2
89	47.5	42.0	63.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.95 ug/l

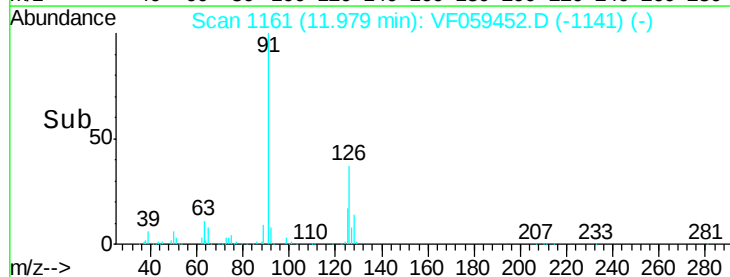
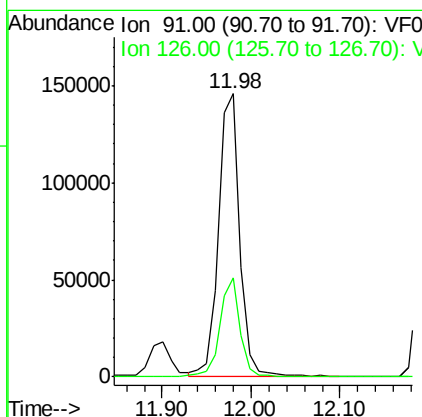
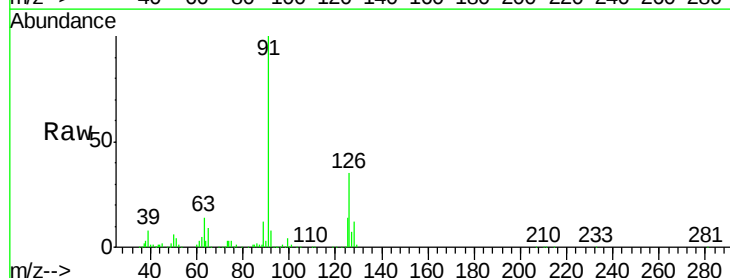
RT: 11.98 min Scan# 1161

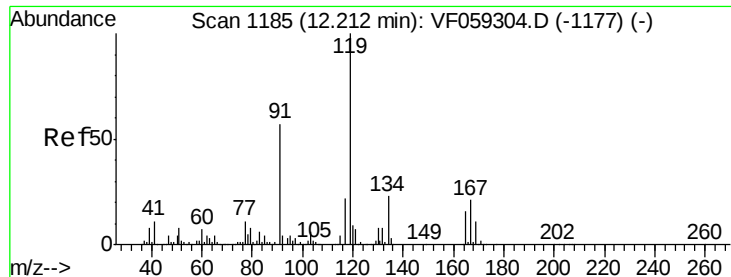
Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion:	91	Resp:	240991
Ion	Ratio	Lower	Upper
91	100		
126	34.8	18.2	54.6





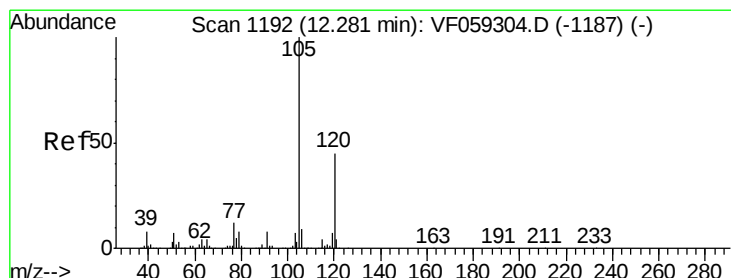
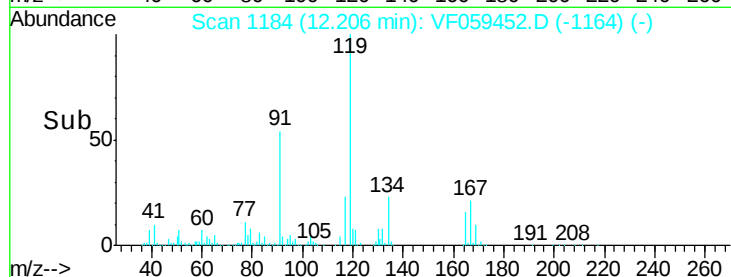
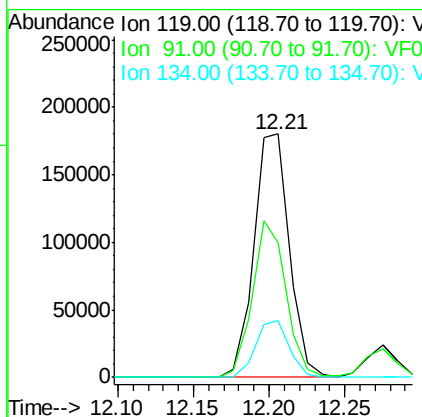
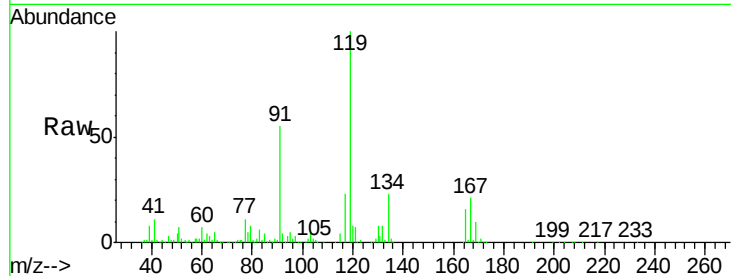
#83
tert-Butylbenzene
Concen: 24.09 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294863		
91	55.5	28.4	85.2	
134	23.1	11.7	35.1	

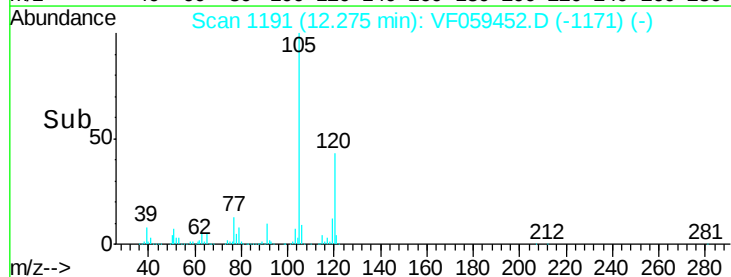
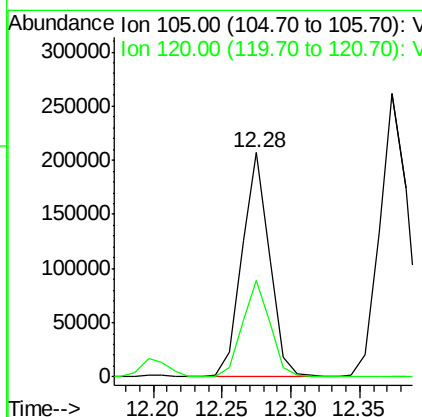
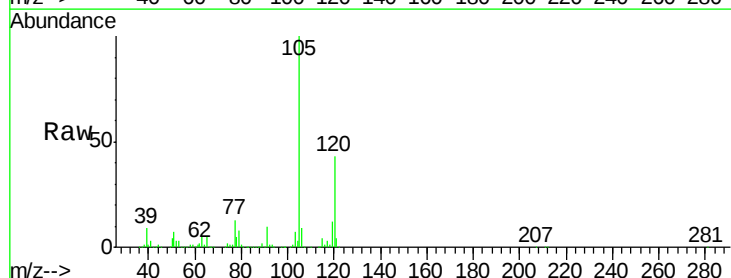
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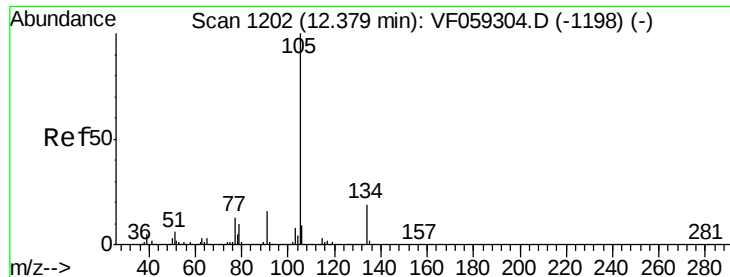
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#84
1,2,4-Trimethylbenzene
Concen: 22.46 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	289483		
120	43.1	22.8	68.4	





#85

sec-Butylbenzene

Concen: 23.11 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

ClientSampleId :

VF0706SBS01

Tot Ion:105 Resp: 374904

Ion Ratio Lower Upper

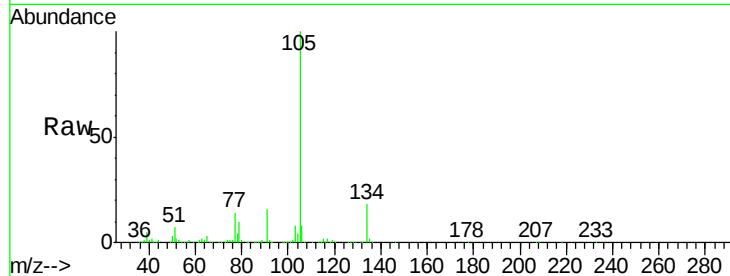
105 100

134 18.2 9.4 28.3

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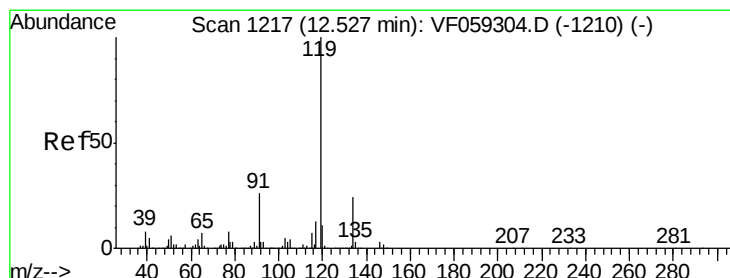
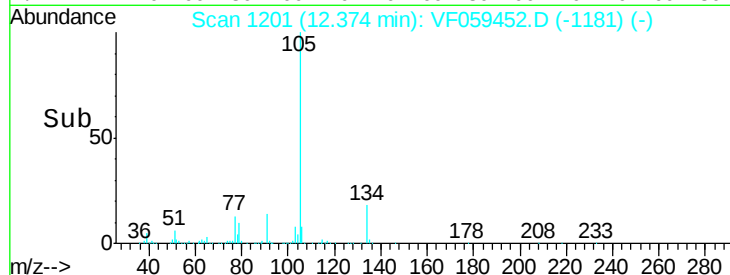
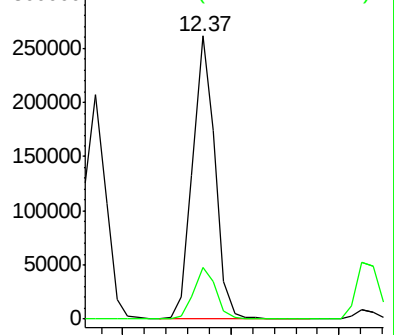
apatel

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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: 23.55 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

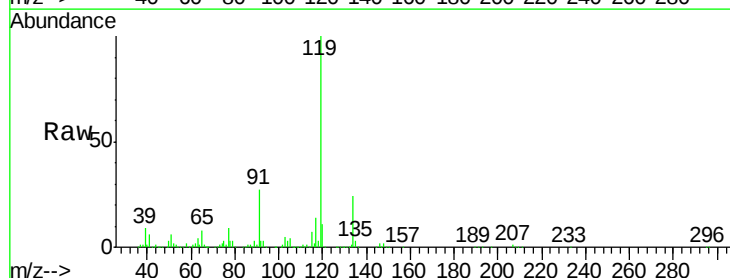
Tgt Ion:119 Resp: 320586

Ion Ratio Lower Upper

119 100

134 24.1 12.2 36.4

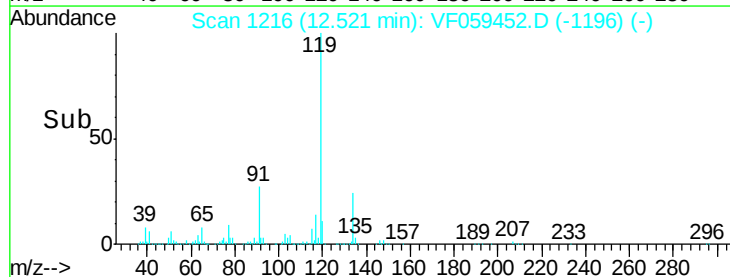
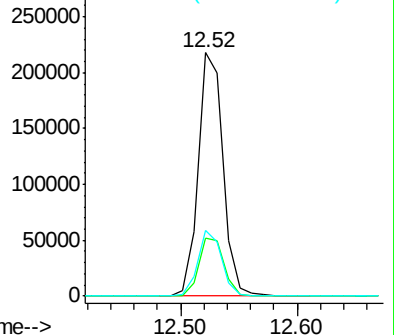
91 27.1 12.9 38.6

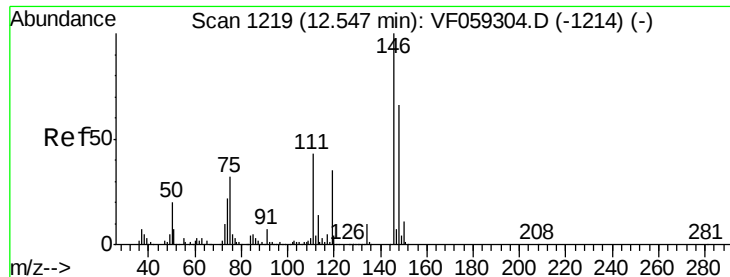


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





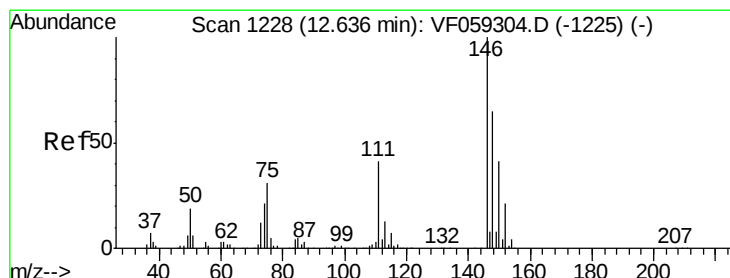
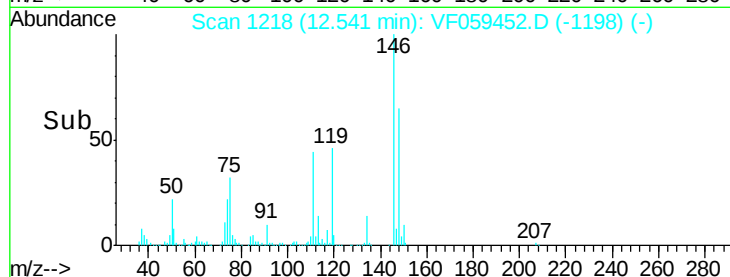
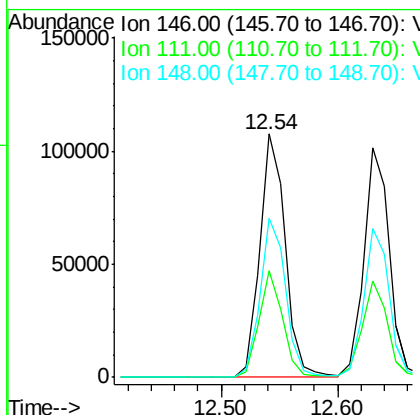
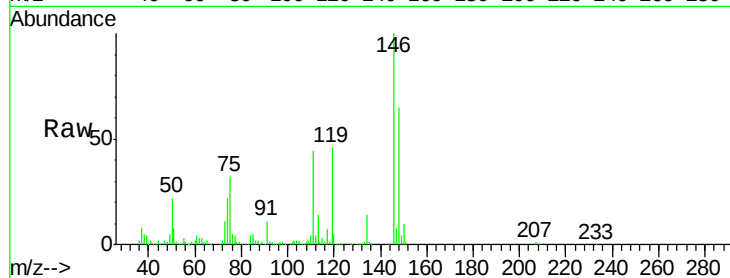
#87
 1,3-Dichlorobenzene
 Concen: 22.97 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.4	64.2
148	65.1	32.8	98.4

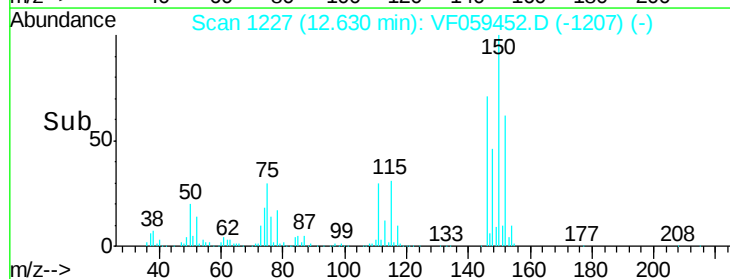
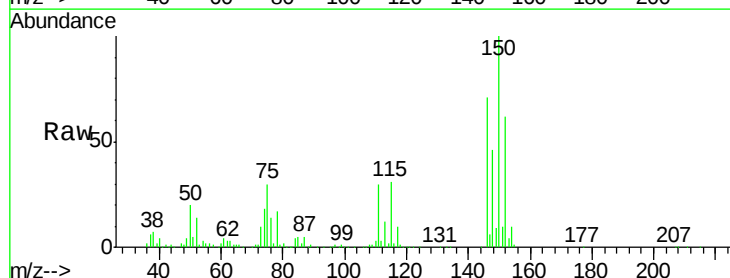
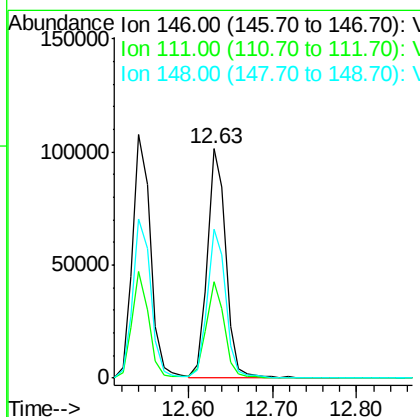
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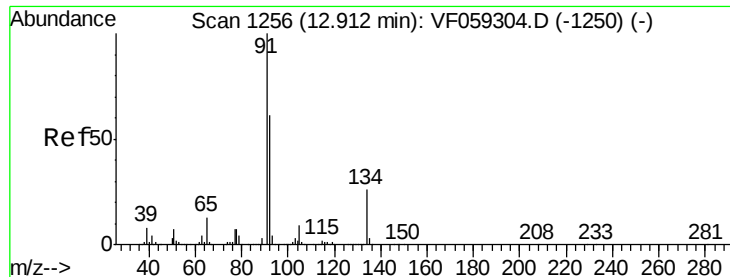
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 22.41 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	64.9	32.8	98.3





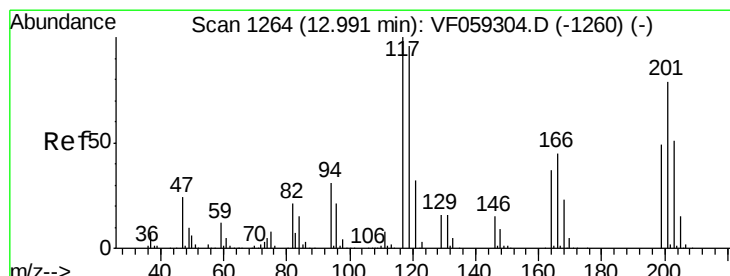
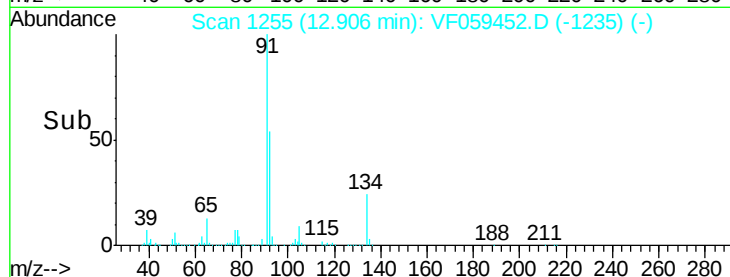
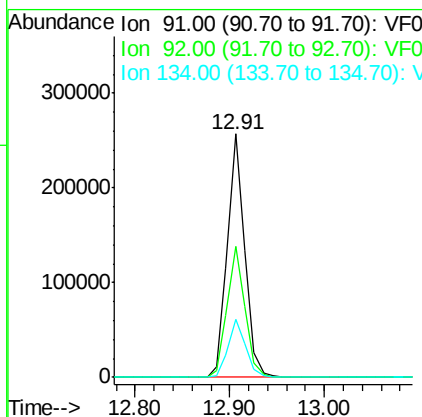
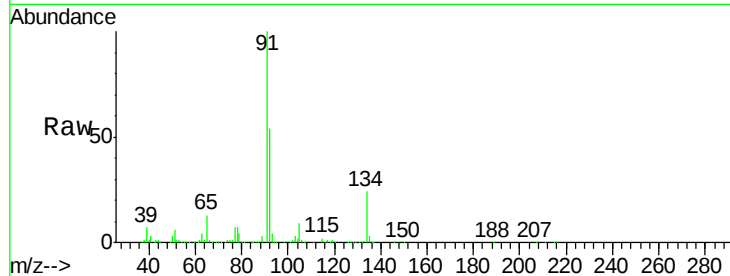
#89
n-Butylbenzene
Concen: 23.69 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	30.3	91.0
134	23.7	12.9	38.7

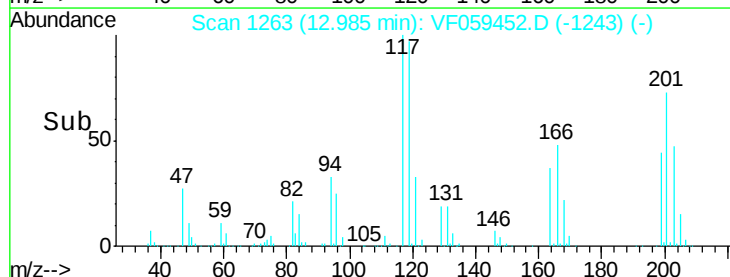
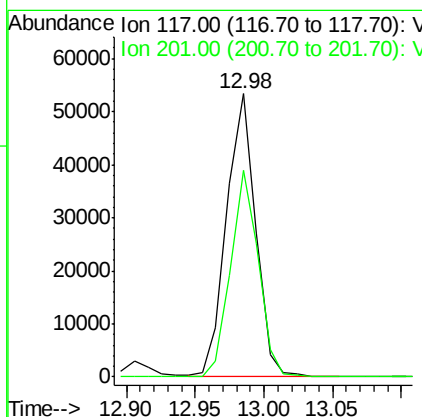
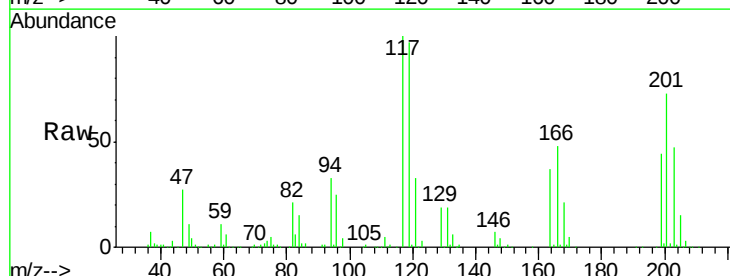
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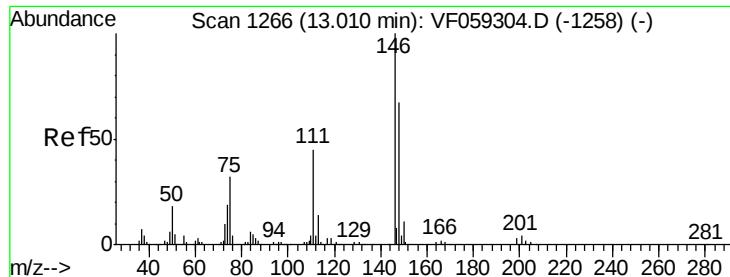
apatel
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#90
Hexachloroethane
Concen: 22.97 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.8	39.5	118.5





#91

1,2-Dichlorobenzene

Concen: 22.88 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Instrument :

MSVOA_F

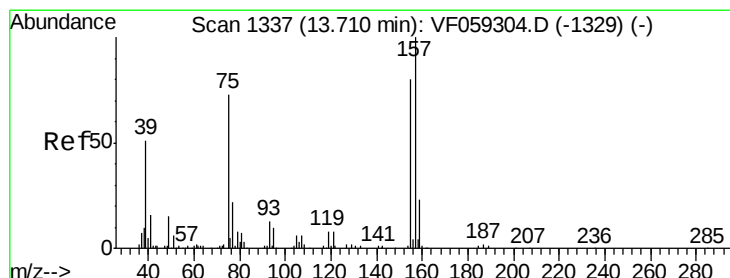
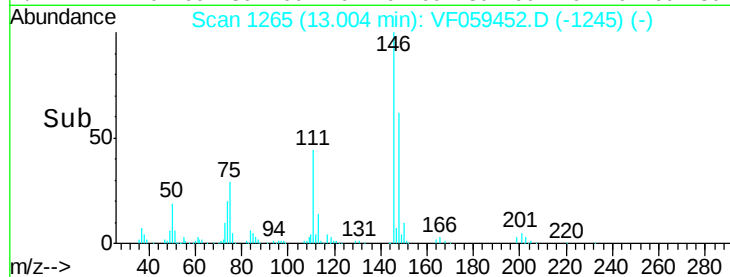
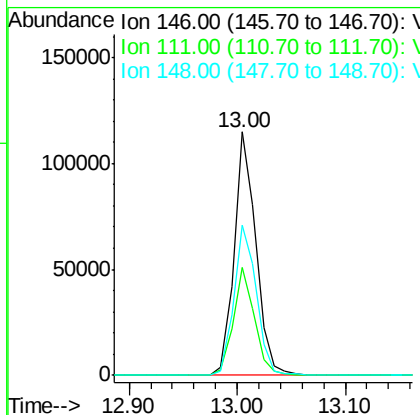
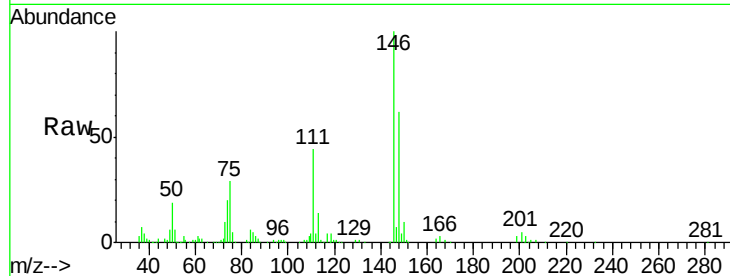
ClientSampleId :

VF0706SBSD01

Tot Ion:	146	Resp:	161008
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.7	68.0
148	61.7	33.5	100.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.71 ug/l

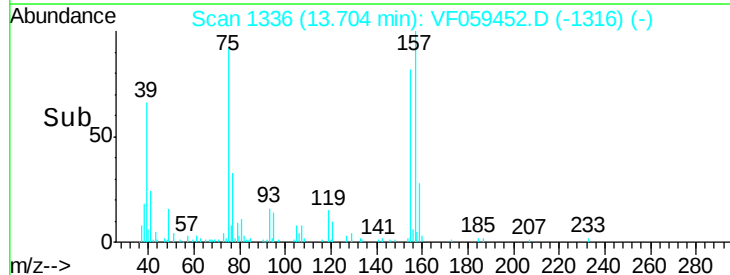
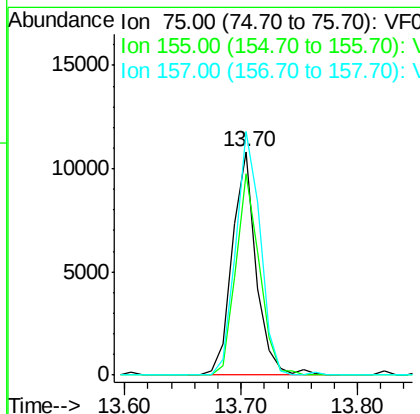
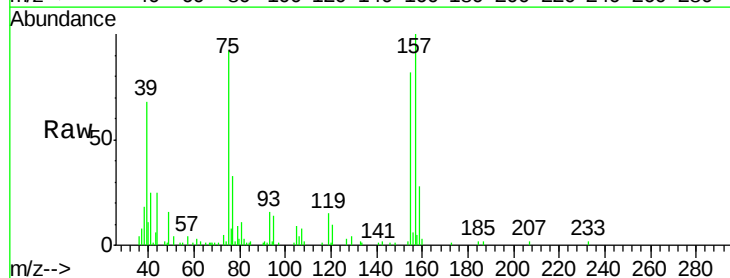
RT: 13.70 min Scan# 1336

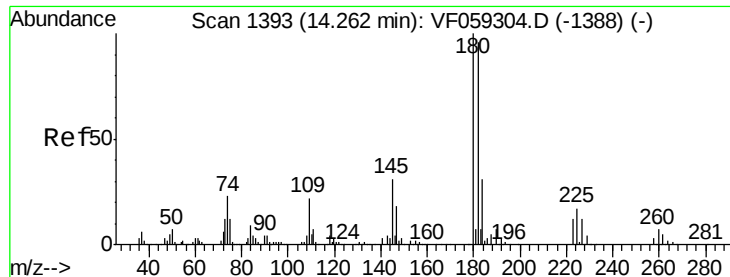
Delta R.T. -0.01 min

Lab File: VF059452.D

Acq: 6 Jul 2018 16:28

Tgt Ion:	75	Resp:	15417
Ion Ratio	Lower	Upper	
75	100		
155	90.0	54.6	163.8
157	109.1	68.7	205.9





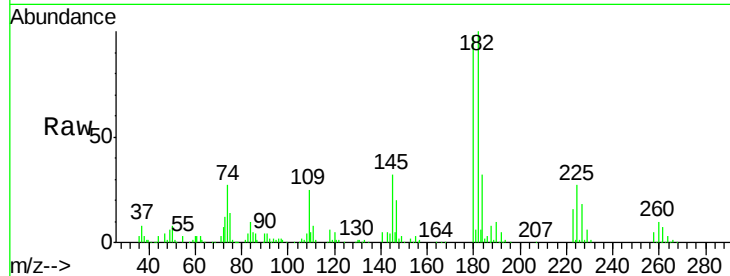
#93
 1,2,4-Trichlorobenzene
 Concen: 23.12 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBSD01

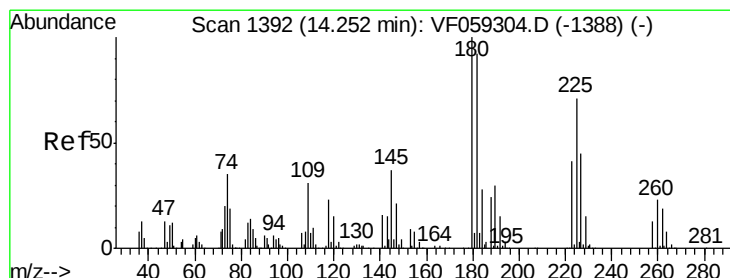
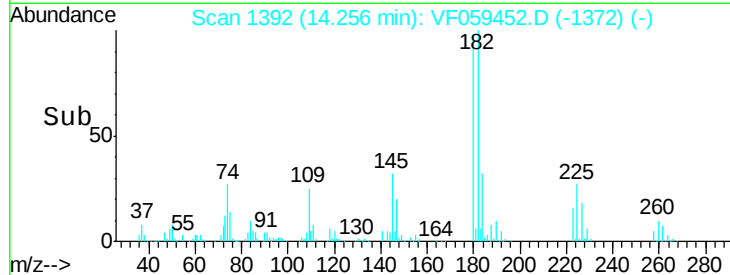
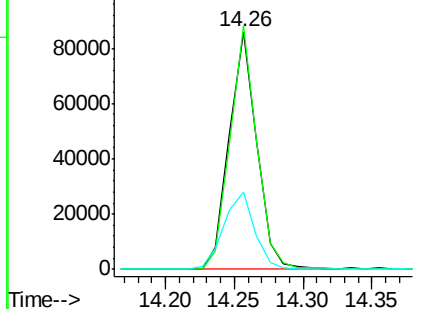
Tot Ion	Ratio	Resp	Lower	Upper
180	100	120275		
182	102.4	48.1	144.3	
145	32.7	15.3	45.8	

Manual Integrations
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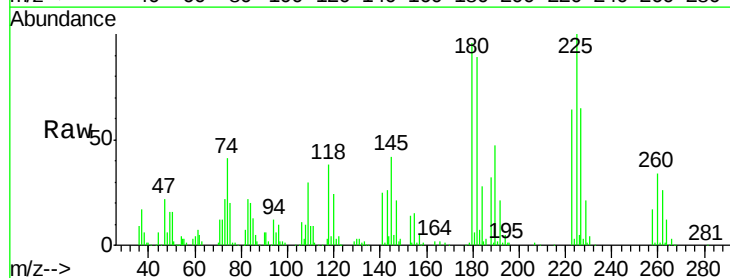


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

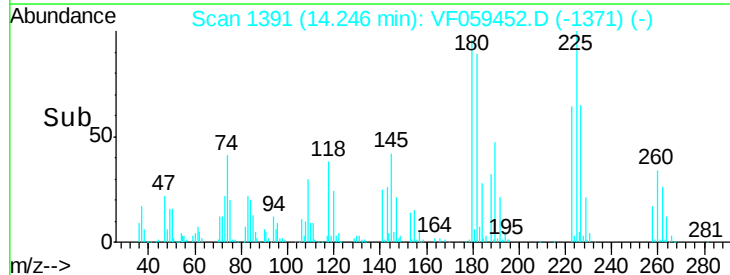
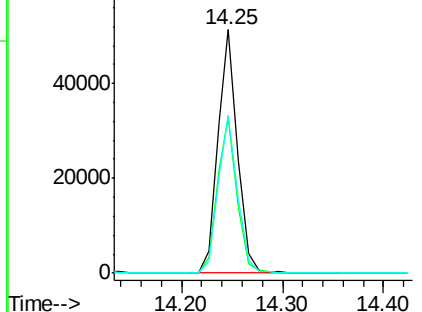


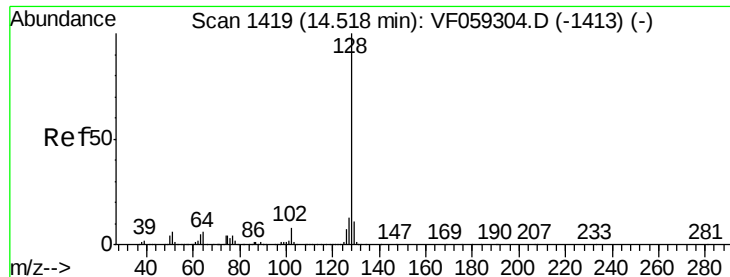
#94
 Hexachlorobutadiene
 Concen: 23.88 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059452.D
 Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69391		
223	63.9	28.9	86.8	
227	65.1	31.3	93.8	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





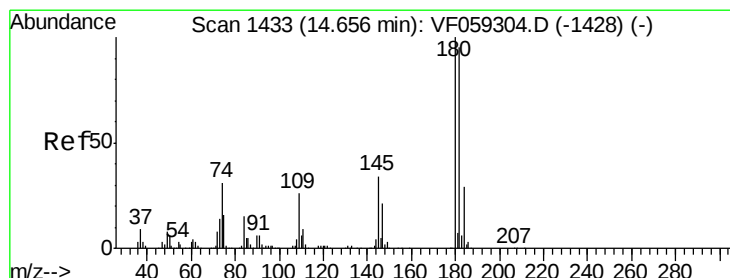
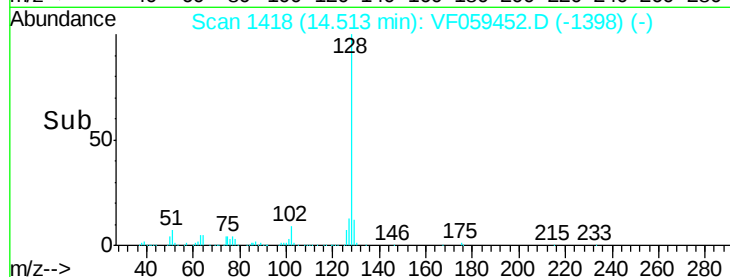
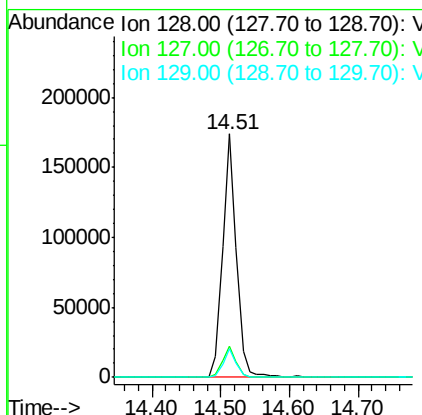
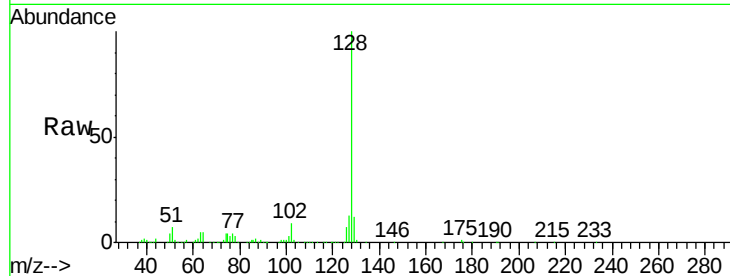
#95
Naphthalene
Concen: 22.21 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Instrument :
MSVOA_F
ClientSampleId :
VF0706SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	241768		
127	12.7		10.1	15.1
129	11.5		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 23.40 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VF059452.D
Acq: 6 Jul 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115318		
182	98.3		47.5	142.5
145	30.6		17.0	50.9

