

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059324.D
 Acq On : 26 Jun 2018 18:37
 Operator : VA/AP
 Sample : J3663-04MSD
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

Manual Integrations
 APPROVED

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 6/27/2018 5:48:26 PM

Quant Time: Jun 27 05:20:44 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	5.03	168	284777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	450572	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	434468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	225087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	181343	49.29	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	4.27	113	156462	47.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.06%	
50) Toluene-d8	7.69	98	427880	52.49	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.49	95	219305	47.70	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	129506	49.77	ug/l	97
3) Chloromethane	1.08	50	80402	46.00	ug/l	95
4) Vinyl Chloride	1.14	62	86797	50.45	ug/l	96
5) Bromomethane	1.33	94	52990	55.24	ug/l	93
6) Chloroethane	1.42	64	41828	48.27	ug/l	91
7) Trichlorofluoromethane	1.48	101	177252m	52.10	ug/l	
8) Diethyl Ether	1.69	74	46861	53.72	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	102751	51.74	ug/l	95
10) Methyl Iodide	1.96	142	174430	48.16	ug/l	99
11) Tert butyl alcohol	2.67	59	80333	327.97	ug/l	96
12) 1,1-Dichloroethene	1.85	96	91769	54.66	ug/l	79
13) Acrolein	2.08	56	19344	158.55	ug/l	100
14) Allyl chloride	2.18	41	152515	48.39	ug/l	88
15) Acrylonitrile	3.05	53	153637	356.19	ug/l	84
16) Acetone	2.32	43	894257	1003.95	ug/l	96
17) Carbon Disulfide	1.86	76	202360	51.24	ug/l	96
18) Methyl Acetate	2.43	43	126092	76.55	ug/l	93
19) Methyl tert-butyl Ether	2.52	73	333781	53.30	ug/l	95
20) Methylene Chloride	2.27	84	108461m	53.01	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	93583	52.25	ug/l	83
22) Diisopropyl ether	2.91	45	395267	56.64	ug/l	94
23) Vinyl Acetate	3.31	43	863139	194.20	ug/l	100
24) 1,1-Dichloroethane	2.98	63	211558	48.89	ug/l	100
25) 2-Butanone	4.48	43	659379	596.23	ug/l	97
26) 2,2-Dichloropropane	3.74	77	108724	36.43	ug/l	95
27) cis-1,2-Dichloroethene	3.62	96	276022	101.51	ug/l	86
28) Bromochloromethane	3.86	49	97101	59.22	ug/l	90
29) Tetrahydrofuran	4.23	42	155635	331.78	ug/l	100
30) Chloroform	4.01	83	310399	49.55	ug/l	99
31) Cyclohexane	3.85	56	153891	54.29	ug/l	93
32) 1,1,1-Trichloroethane	4.25	97	217347	47.41	ug/l	96
36) 1,1-Dichloropropene	4.43	75	195600	49.69	ug/l	96
37) Ethyl Acetate	4.27	43	155922	62.29	ug/l	95
38) Carbon Tetrachloride	4.15	117	229135	46.13	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	200201	57.40	ug/l	96
40) Benzene	4.79	78	474897	54.42	ug/l	97
41) Methacrylonitrile	4.90	41	74605	55.57	ug/l	88
42) 1,2-Dichloroethane	5.09	62	252027	49.42	ug/l	97
43) Isopropyl Acetate	7.09	43	199999	61.00	ug/l	96
44) Trichloroethene	5.66	130	157688	52.67	ug/l	91
45) 1,2-Dichloropropane	6.38	63	133068	53.37	ug/l	99
46) Dibromomethane	6.23	93	109955	50.81	ug/l	98
47) Bromodichloromethane	6.52	83	251589	48.02	ug/l	93
48) Methyl methacrylate	6.85	41	132754	60.41	ug/l	94
49) 1,4-Dioxane	6.85	88	17516	1515.94	ug/l #	85
51) 4-Methyl-2-Pentanone	8.39	43	1032434	425.05	ug/l	100
52) Toluene	7.76	92	376296	57.62	ug/l	91
53) t-1,3-Dichloropropene	8.41	75	211551	44.30	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	241156	46.49	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	143893	56.75	ug/l	96
56) Ethyl methacrylate	8.74	69	193698	61.67	ug/l	95
57) 1,3-Dichloropropane	8.98	76	227612	52.34	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	68028	288.78	ug/l	100
59) 2-Hexanone	9.61	43	538302	298.26	ug/l	99
60) Dibromochloromethane	8.84	129	194874	49.78	ug/l	94
61) 1,2-Dibromoethane	9.12	107	161517	52.53	ug/l	98
64) Tetrachloroethene	8.29	164	223291	79.24	ug/l	99
65) Chlorobenzene	9.92	112	2026144	251.67	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	167341	48.06	ug/l	97
67) Ethyl Benzene	10.02	91	739770	54.17	ug/l	99
68) m/p-Xylenes	10.25	106	592777	121.94	ug/l	97
69) o-Xylene	10.81	106	276583	50.87	ug/l	96
70) Styrene	10.89	104	414795	50.08	ug/l	97
71) Bromoform	10.87	173	128874	54.00	ug/l	97
73) Isopropylbenzene	11.22	105	776311	59.20	ug/l	100
74) N-amyl acetate	11.45	43	269142	56.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	188088	56.79	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	152451	61.03	ug/l	98
77) Bromobenzene	11.58	156	206961	56.89	ug/l	90
78) n-propylbenzene	11.68	91	925155	58.75	ug/l	100
79) 2-Chlorotoluene	11.80	91	542178	56.35	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	852183	74.19	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	72984	49.09	ug/l	98
82) 4-Chlorotoluene	11.97	91	553122	53.67	ug/l	90
83) tert-Butylbenzene	12.20	119	582910	50.74	ug/l	91
84) 1,2,4-Trimethylbenzene	12.28	105	1236842	102.24	ug/l	96
85) sec-Butylbenzene	12.38	105	888164	58.32	ug/l	95
86) p-Isopropyltoluene	12.53	119	788026	61.66	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	1011269	180.35	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	1598270	245.99	ug/l	93
89) n-Butylbenzene	12.91	91	700450	53.99	ug/l	98
90) Hexachloroethane	12.99	117	146592	46.02	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	5120575	775.29	ug/l	80
92) 1,2-Dibromo-3-Chloropropan	13.70	75	41953	57.15	ug/l	75

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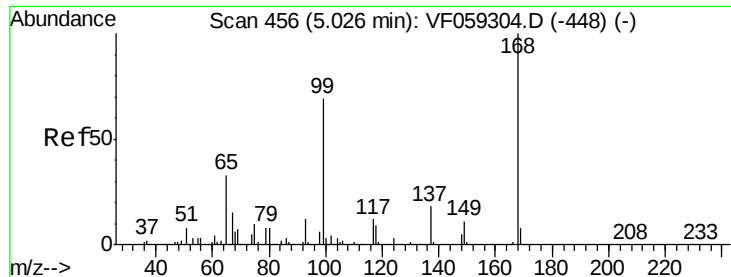
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	286049	58.57	µg/l	97
94) Hexachlorobutadiene	14.24	225	134037	49.14	µg/l	95
95) Naphthalene	14.51	128	1111648	108.80	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	260389	56.28	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion:168 Resp: 284777

Ion Ratio Lower Upper

168 100

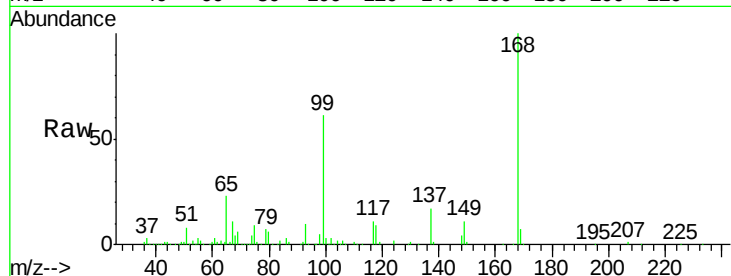
99 61.4 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

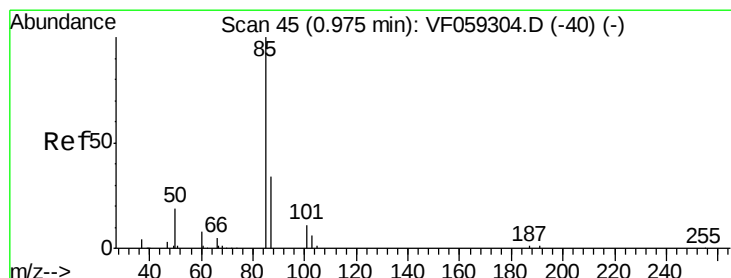
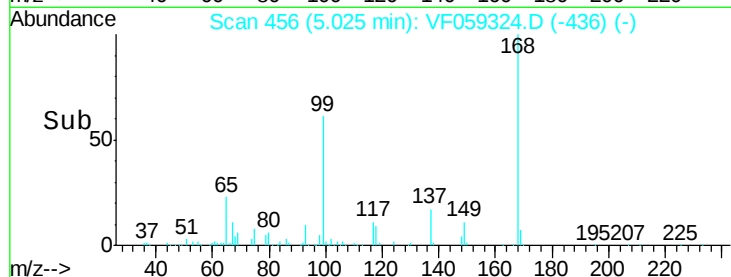
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.77 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059324.D

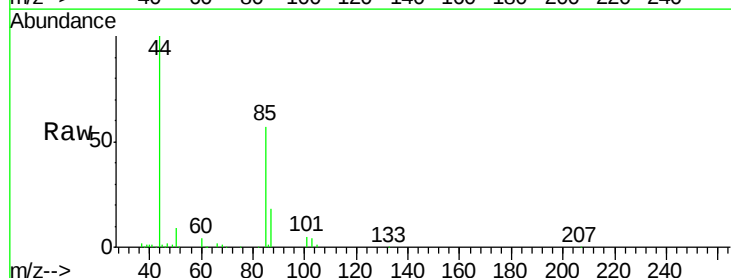
Acq: 26 Jun 2018 18:37

Tgt Ion: 85 Resp: 129506

Ion Ratio Lower Upper

85 100

87 32.2 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

40000

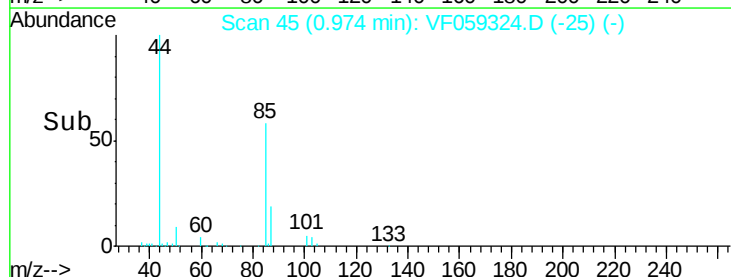
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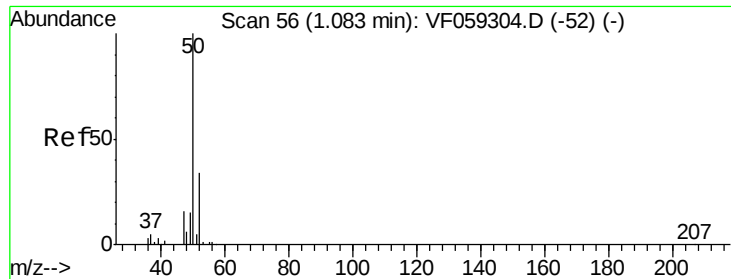
20000

10000

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Time-->





#3

Chloromethane

Concen: 46.00 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 50 Resp: 80402

Ion Ratio Lower Upper

50 100

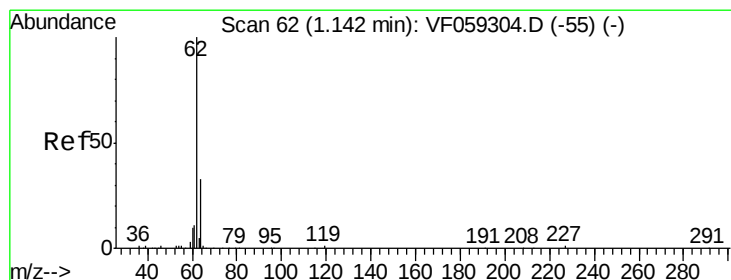
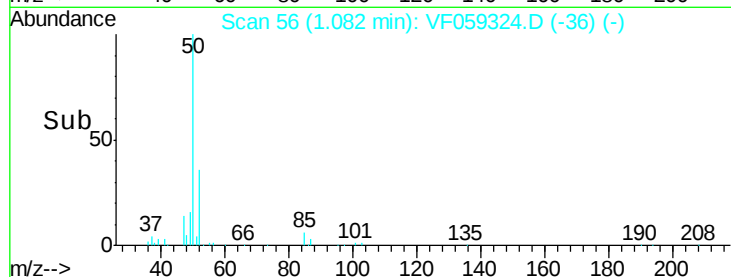
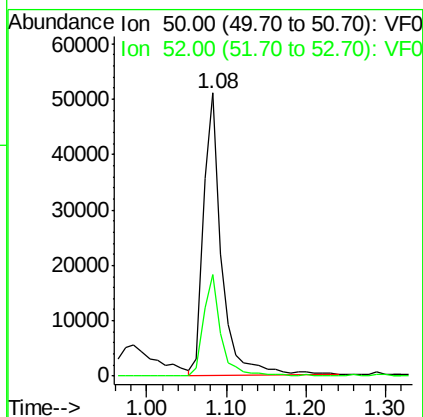
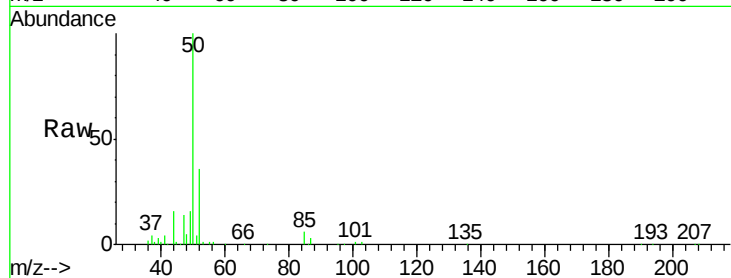
52 36.1 26.7 40.1

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#4

Vinyl Chloride

Concen: 50.45 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059324.D

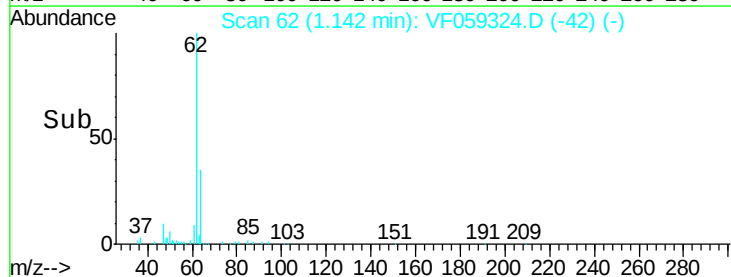
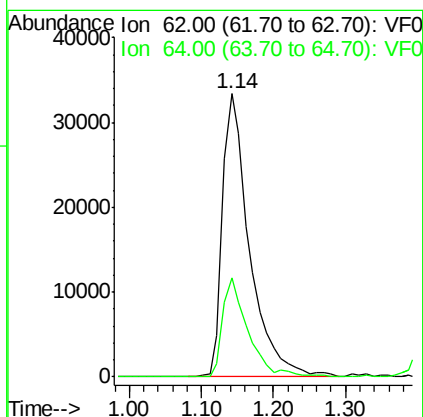
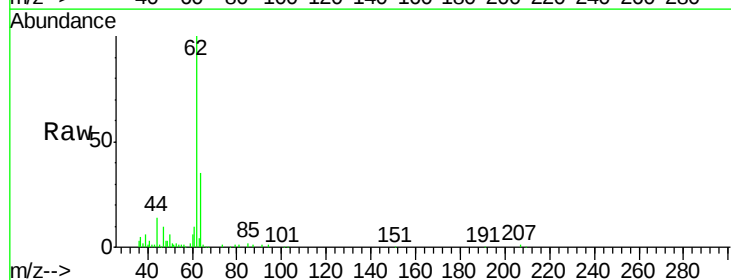
Acq: 26 Jun 2018 18:37

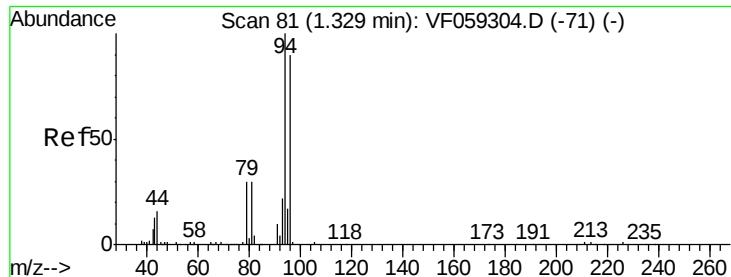
Tgt Ion: 62 Resp: 86797

Ion Ratio Lower Upper

62 100

64 34.9 26.3 39.5





#5

Bromomethane

Concen: 55.24 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

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ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 94 Resp: 52990

Ion Ratio Lower Upper

94 100

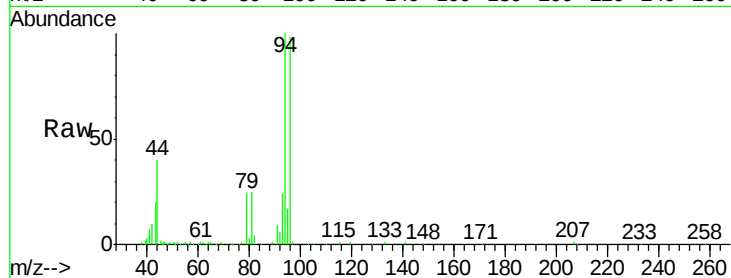
96 98.0 73.4 110.0

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.33

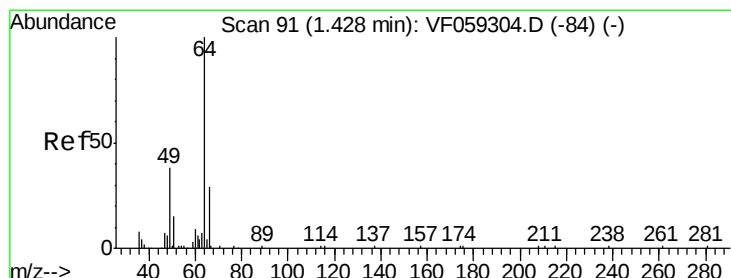
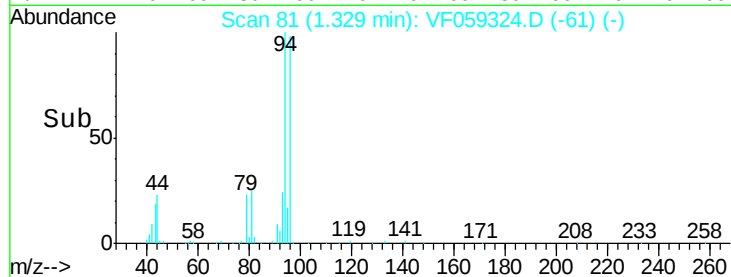
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.27 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059324.D

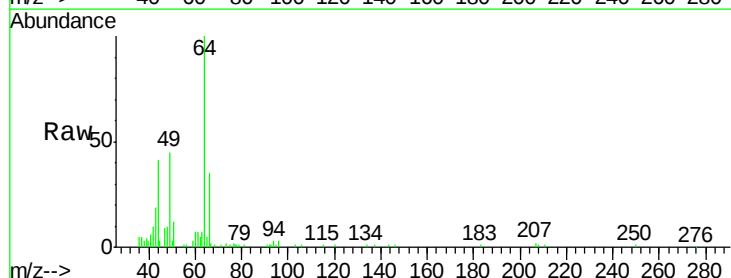
Acq: 26 Jun 2018 18:37

Tgt Ion: 64 Resp: 41828

Ion Ratio Lower Upper

64 100

66 34.7 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.42

20000

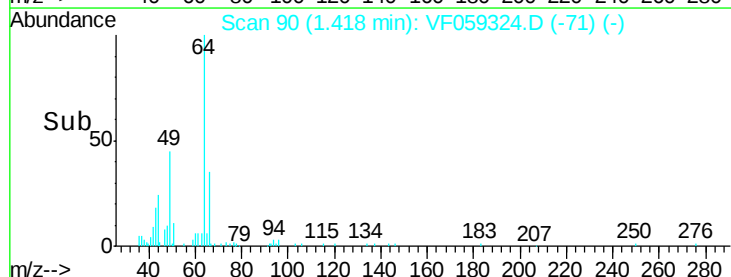
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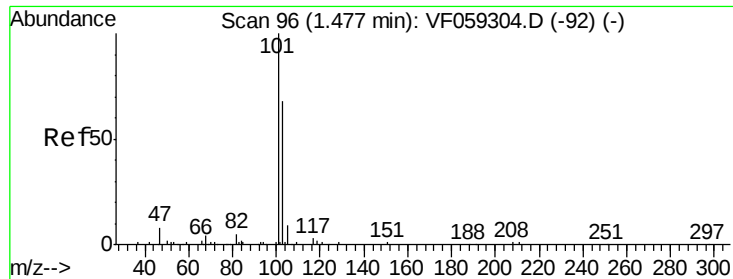
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5000

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Time-->





#7

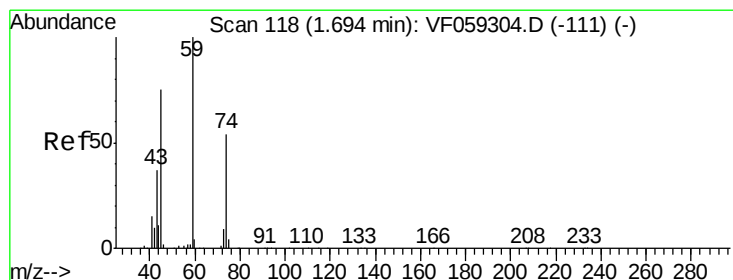
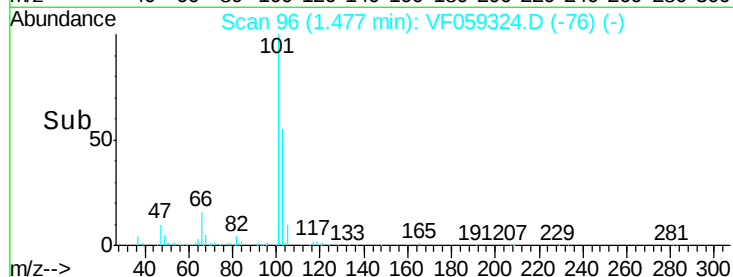
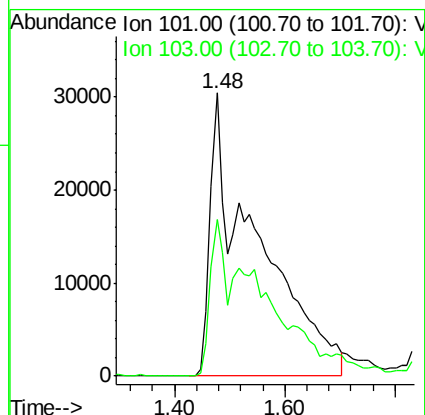
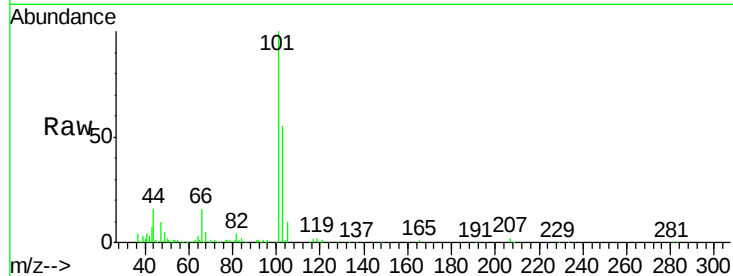
Trichlorofluoromethane
Concen: 52.10 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

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WP021SB472-13-15-180618

Tot Ion:101 Resp: 177252
Ion Ratio Lower Upper
101 100
103 55.2 54.2 81.2

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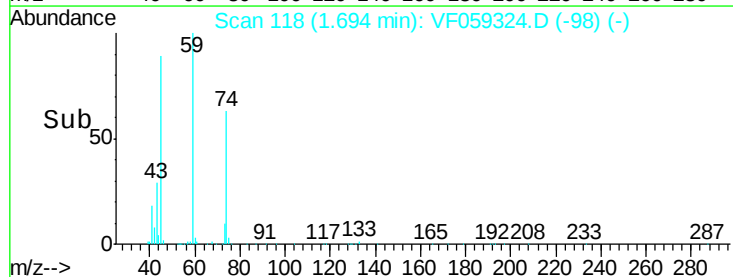
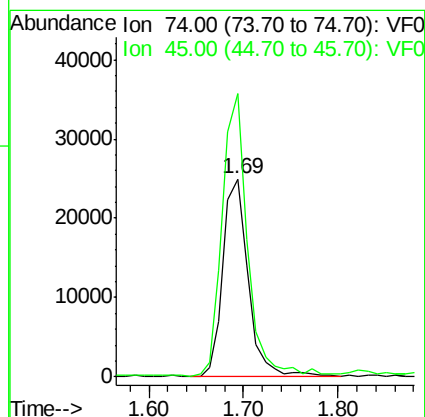
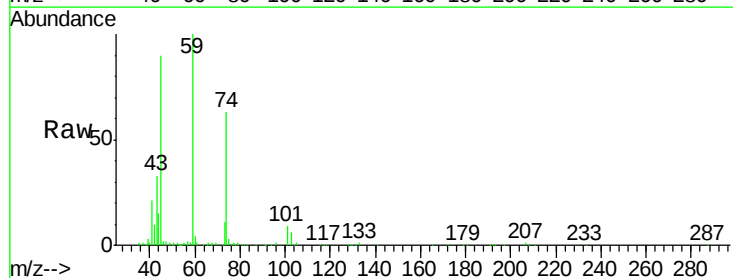
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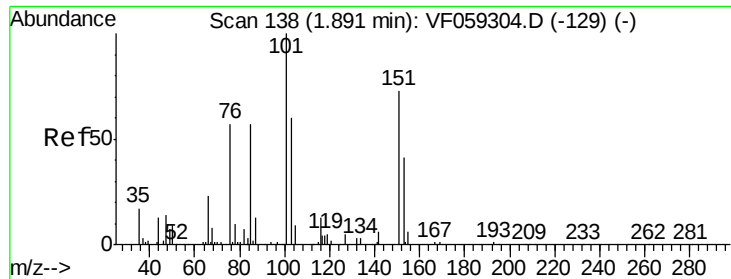


#8

Diethyl Ether
Concen: 53.72 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion: 74 Resp: 46861
Ion Ratio Lower Upper
74 100
45 143.0 70.0 210.0





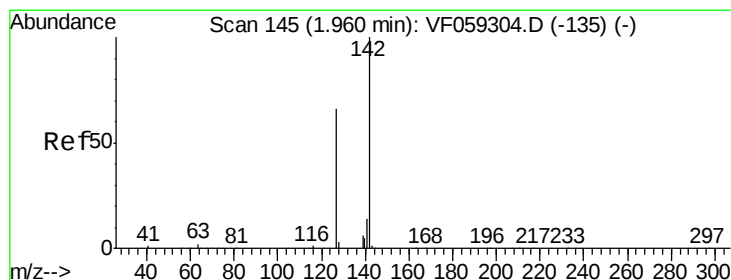
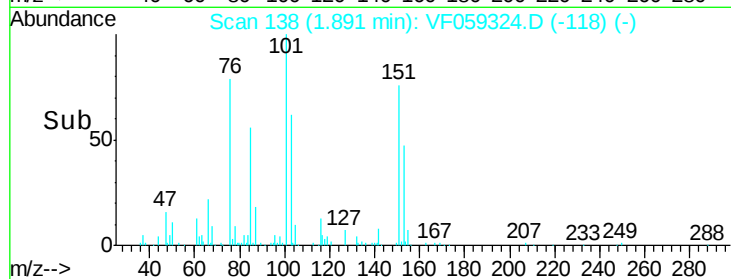
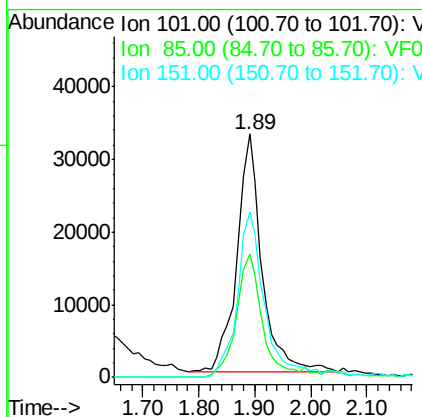
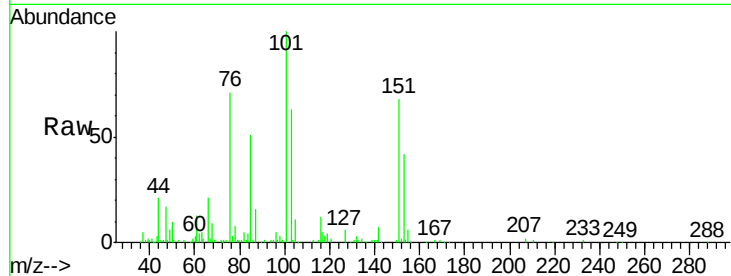
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.74 ug/l
 RT: 1.89 min Scan# 138
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	102751		
85	50.5		44.5	66.7
151	68.2		56.8	85.2

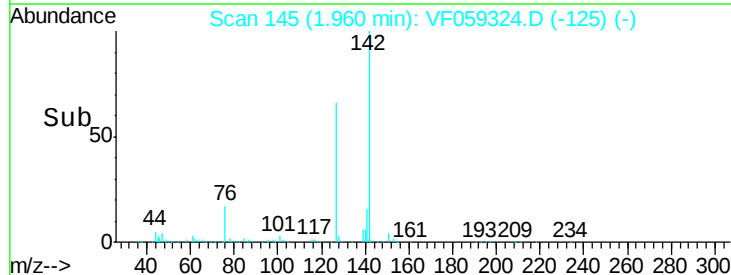
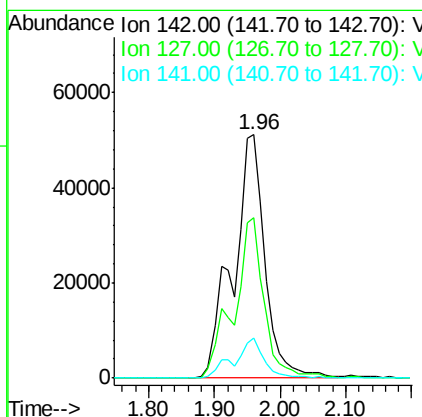
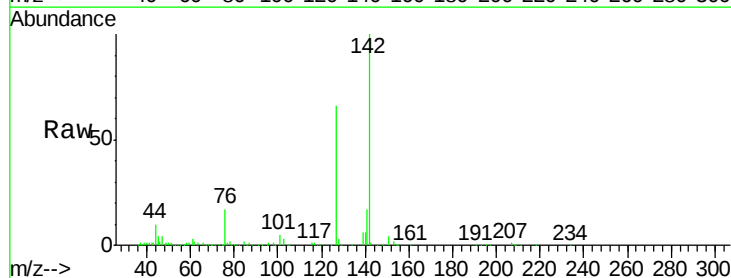
Manual Integrations
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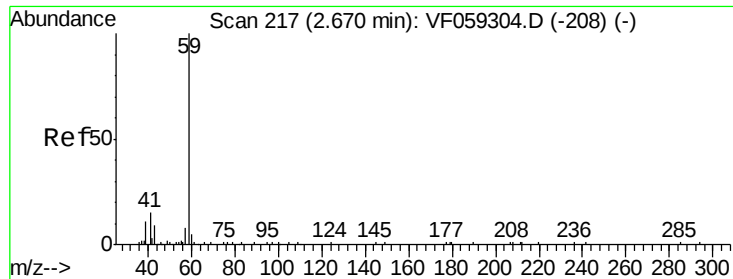
apatel
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#10
 Methyl Iodide
 Concen: 48.16 ug/l
 RT: 1.96 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	174430		
127	65.8		52.5	78.7
141	16.6		11.5	17.3





#11

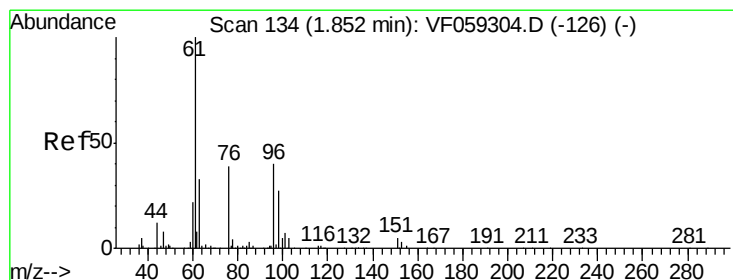
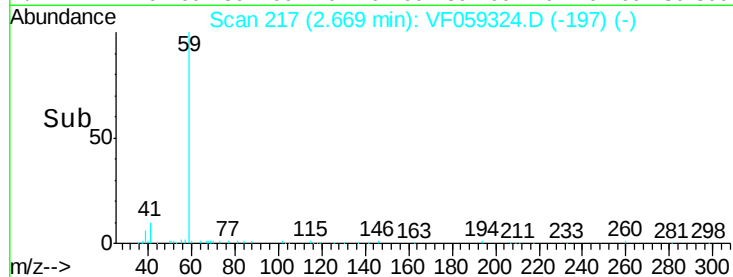
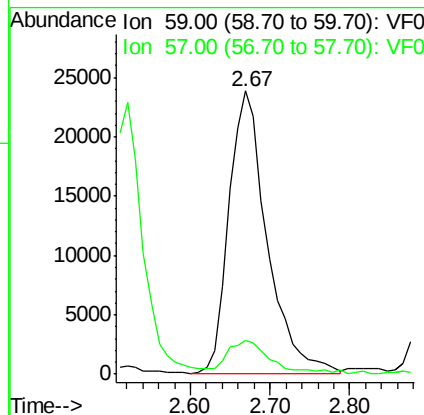
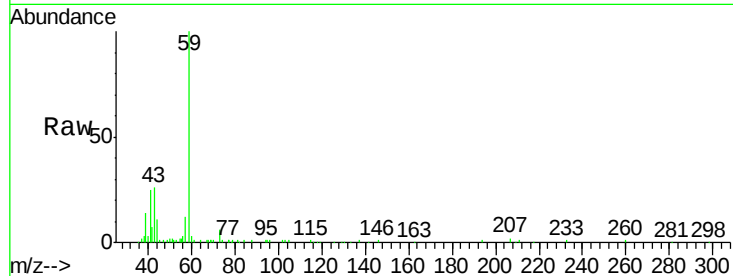
Tert butyl alcohol
Concen: 327.97 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	11.0	16.4

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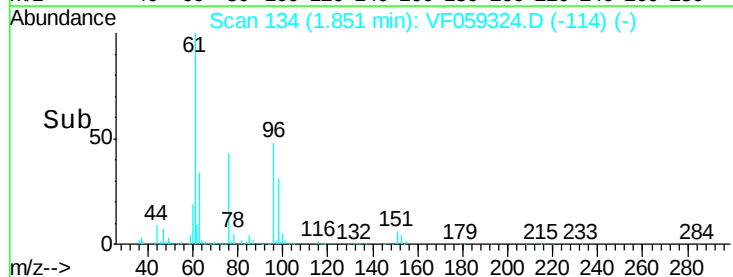
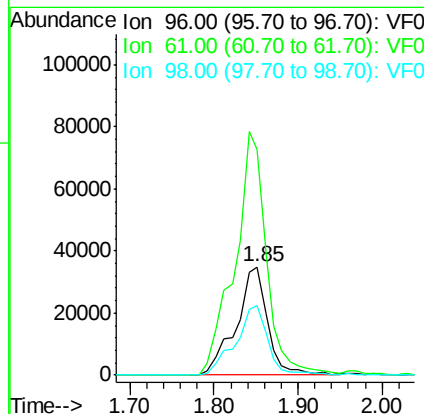
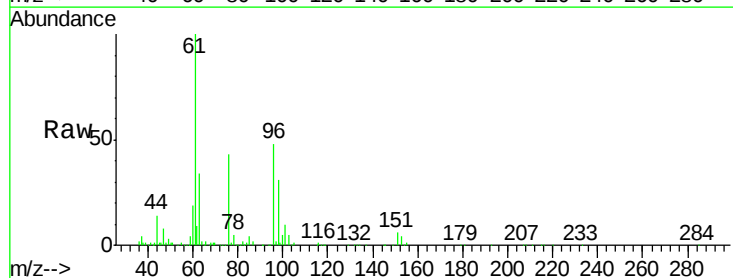
apatel
6/27/2018 5:48:26 PM

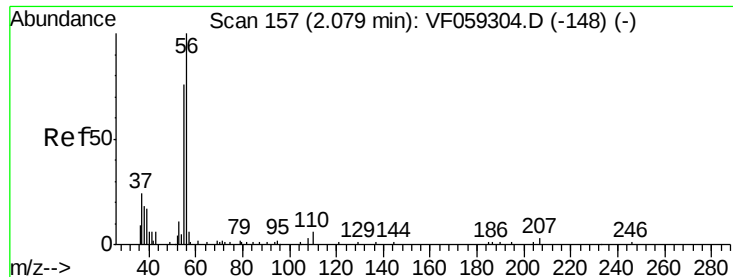


#12

1,1-Dichloroethene
Concen: 54.66 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	207.6	201.1	301.7
98	63.8	53.9	80.9





#13

Acrolein

Concen: 158.55 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 56 Resp: 19344

Ion Ratio Lower Upper

56 100

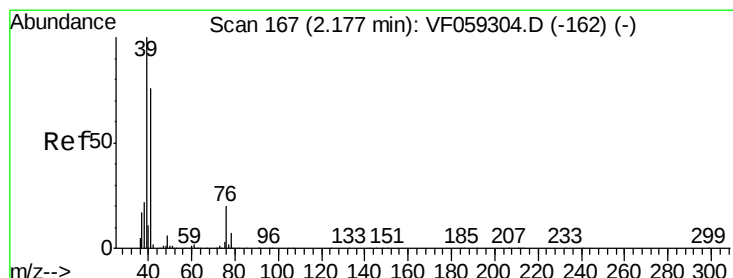
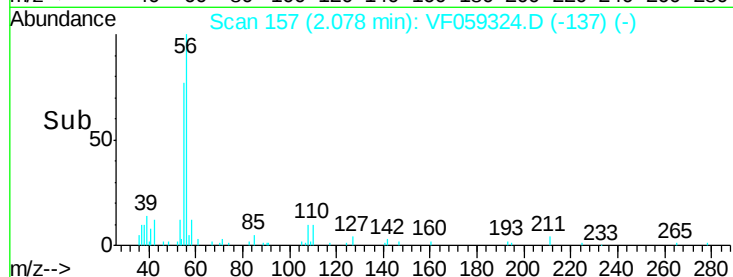
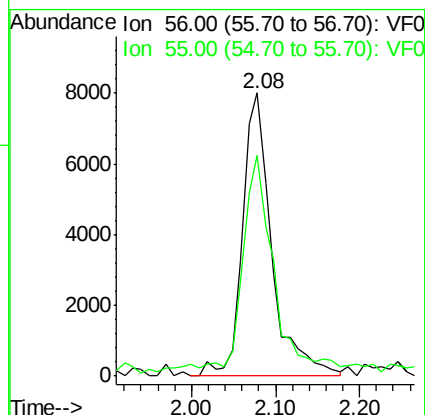
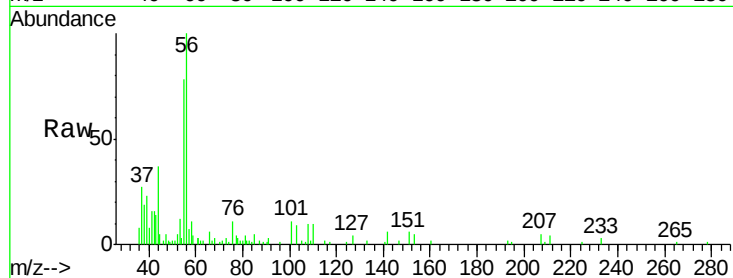
55 78.2 62.4 93.6

Manual Integrations

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#14

Allyl chloride

Concen: 48.39 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

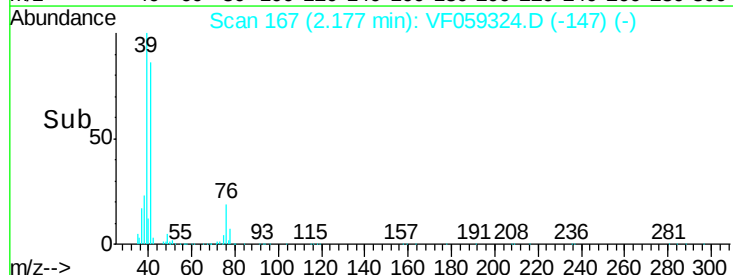
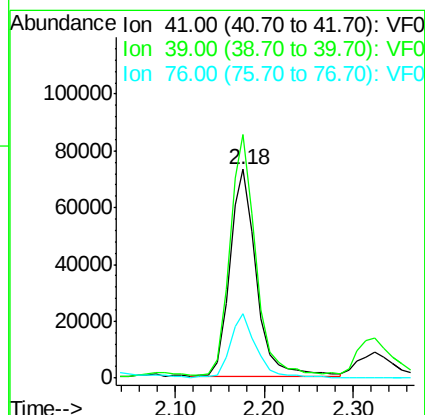
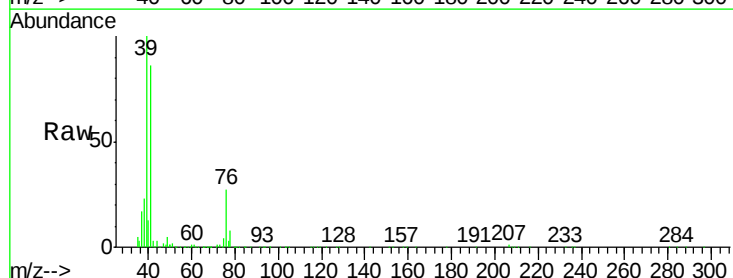
Tgt Ion: 41 Resp: 152515

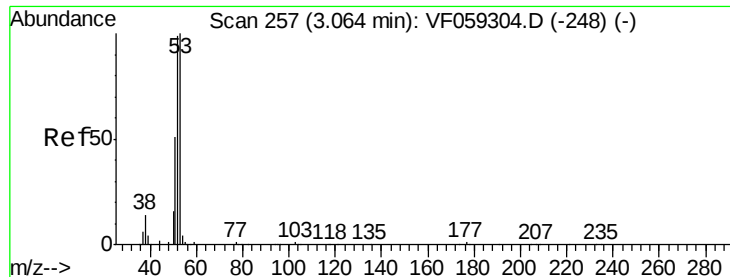
Ion Ratio Lower Upper

41 100

39 116.6 105.6 158.4

76 31.0 21.6 32.4





#15

Acrylonitrile

Concen: 356.19 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

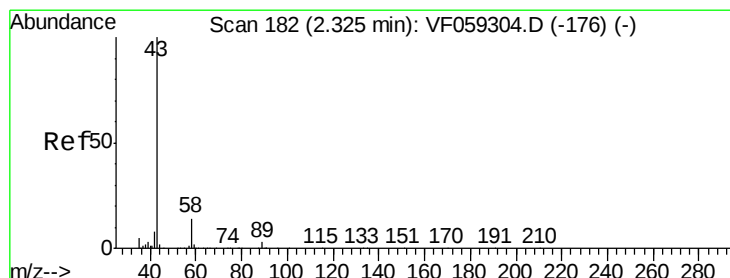
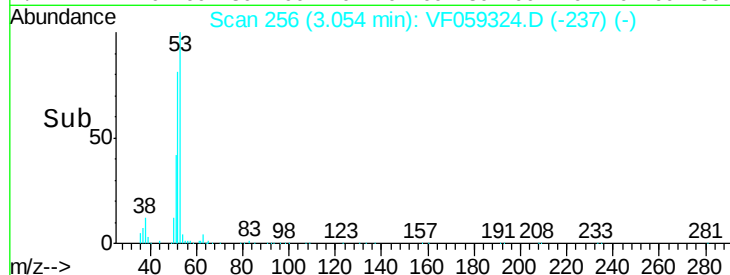
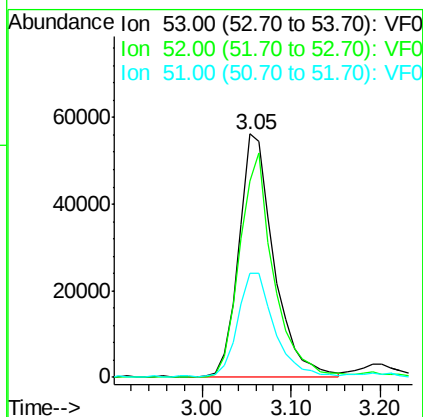
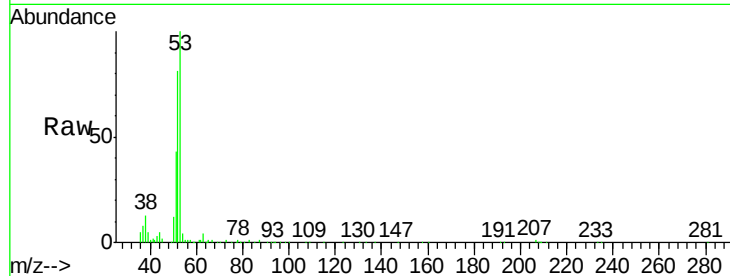
ClientSampleId :

WP021SB472-13-15-180618

Tot Ion:	53	Resp:	153637
Ion	Ratio	Lower	Upper
53	100		
52	80.7	79.2	118.8
51	42.9	40.9	61.3

Manual Integrations
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#16

Acetone

Concen: 1003.95 ug/l

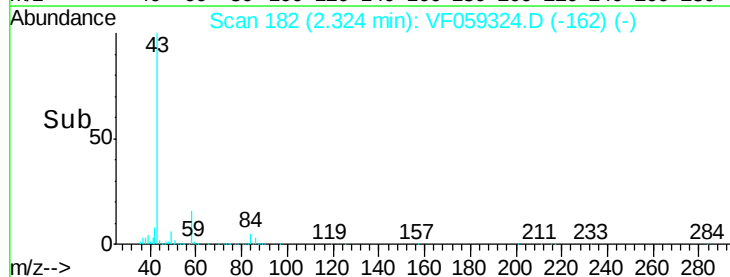
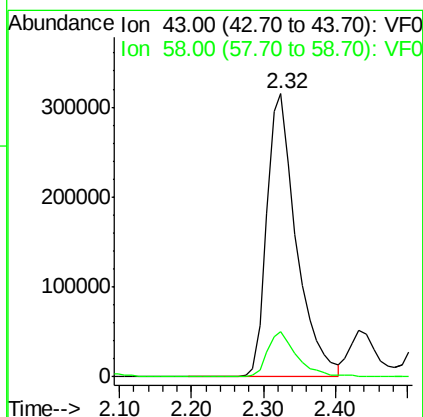
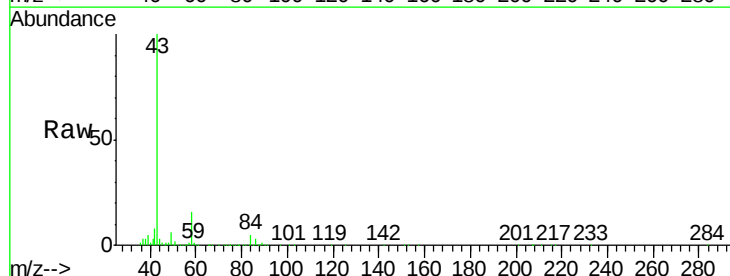
RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion:	43	Resp:	894257
Ion	Ratio	Lower	Upper
43	100		
58	15.9	11.4	17.0





#17

Carbon Disulfide

Concen: 51.24 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 76 Resp: 202360

Ion Ratio Lower Upper

76 100

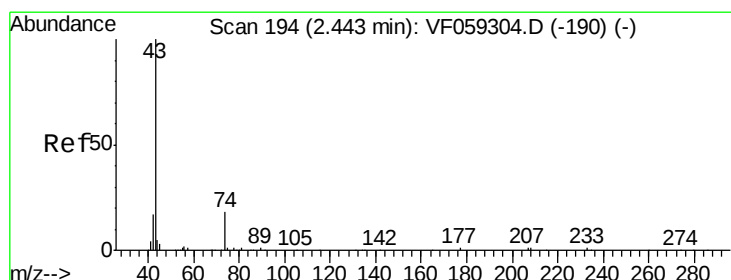
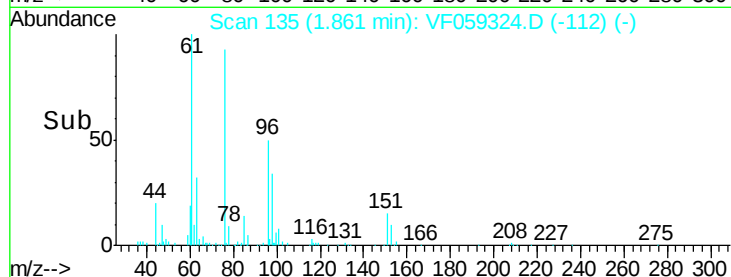
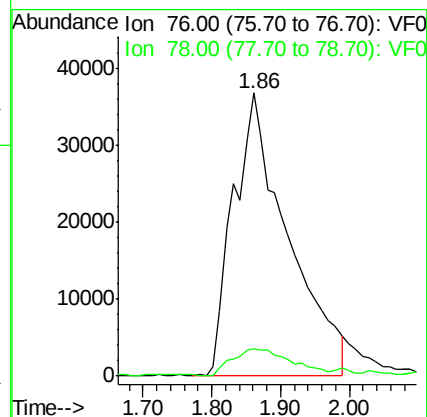
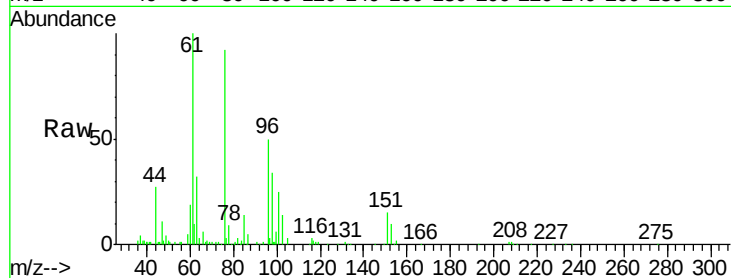
78 9.7 8.9 13.3

Manual Integrations

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#18

Methyl Acetate

Concen: 76.55 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059324.D

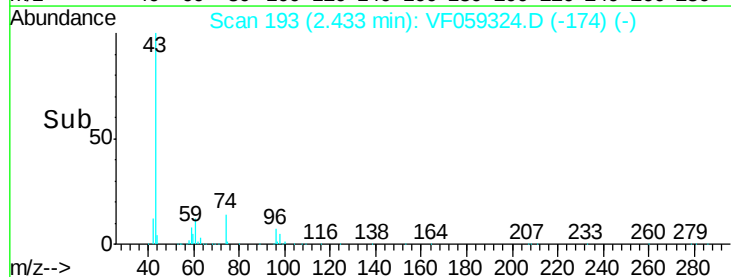
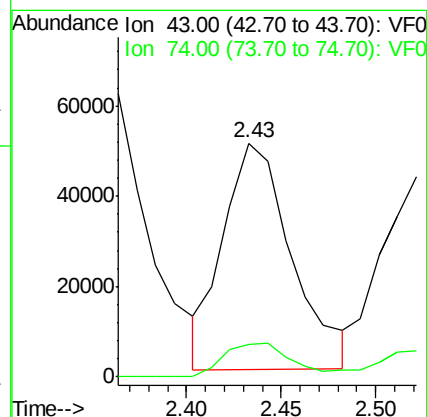
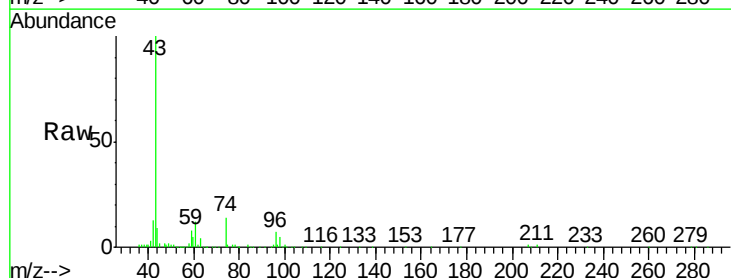
Acq: 26 Jun 2018 18:37

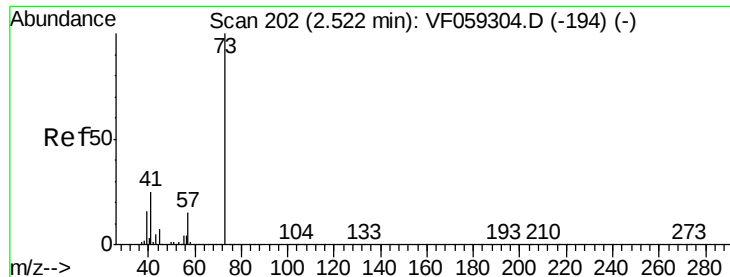
Tgt Ion: 43 Resp: 126092

Ion Ratio Lower Upper

43 100

74 13.7 13.3 19.9





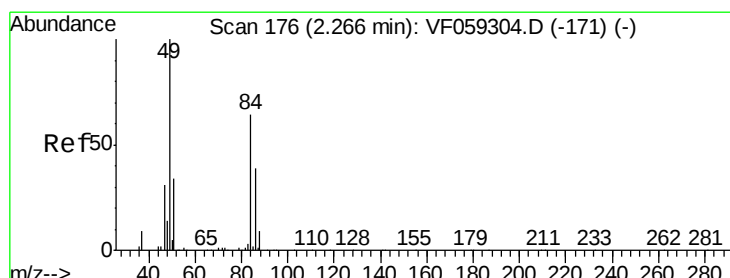
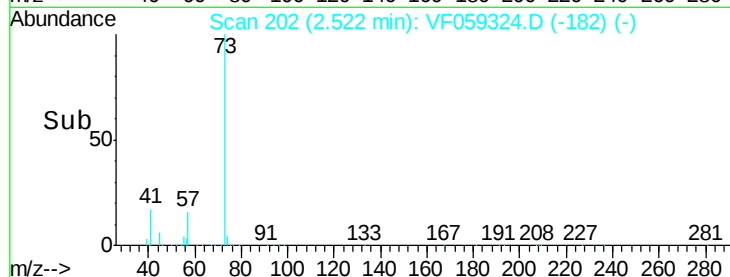
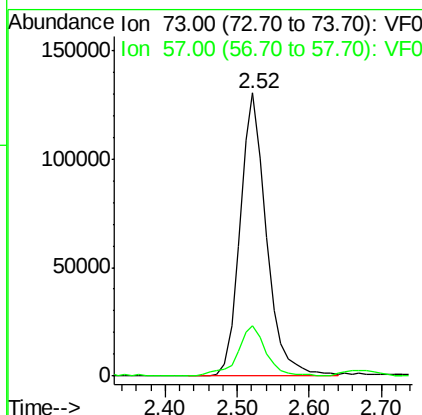
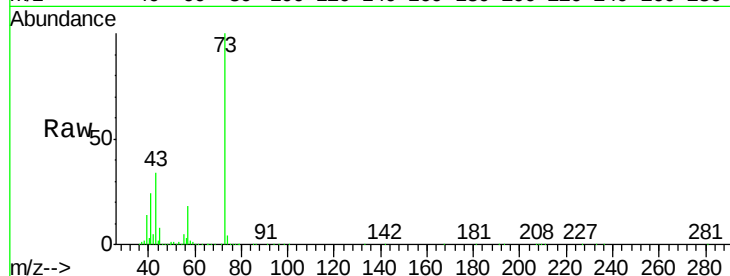
#19
Methyl tert-butyl Ether
Concen: 53.30 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.6	12.3	18.5

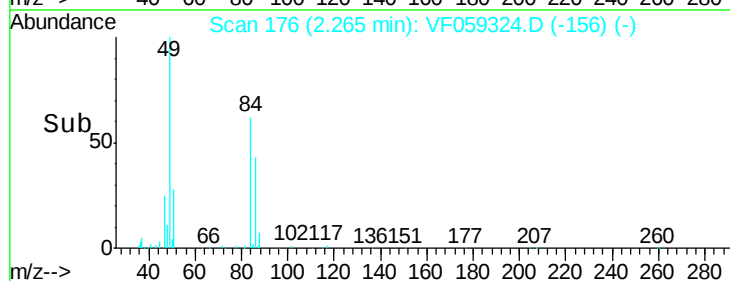
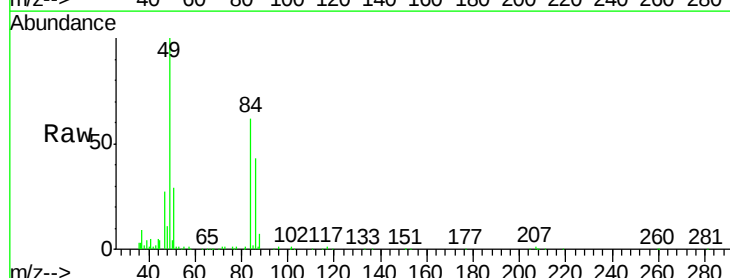
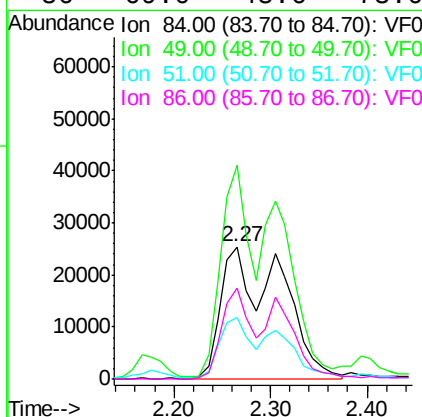
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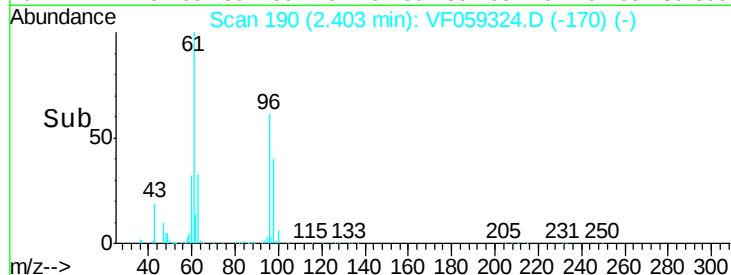
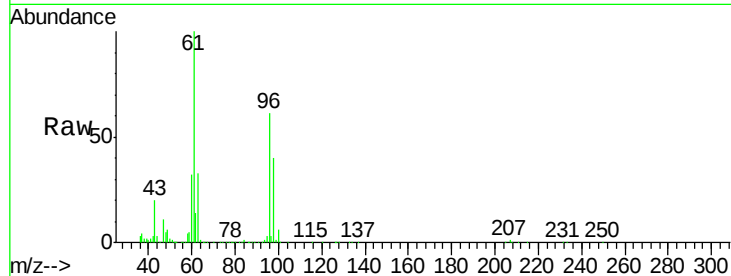
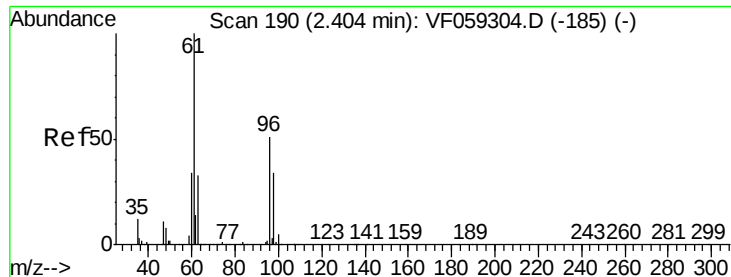
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#20
Methylene Chloride
Concen: 53.01 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.3	126.5	189.7
51	46.8	42.9	64.3
86	69.0	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 52.25 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tot Ion:	96	Resp:	93583
Ion	Ratio	Lower	Upper
96	100		
61	163.7	157.4	236.2
98	65.9	53.7	80.5

Instrument :

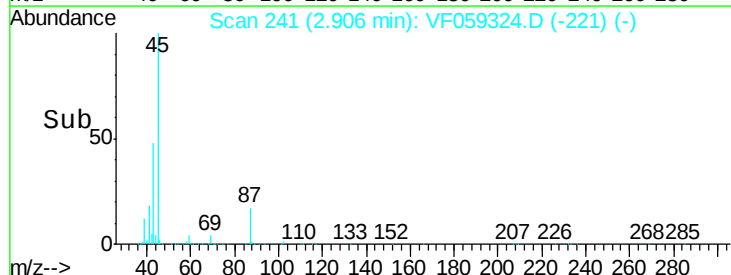
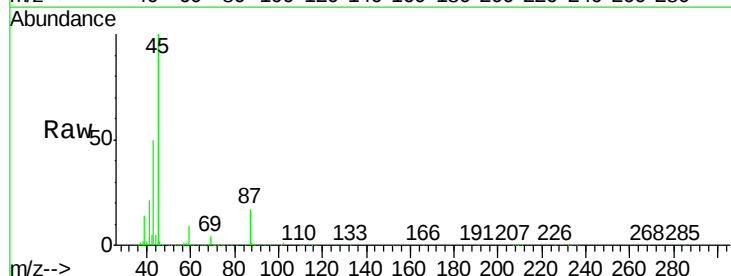
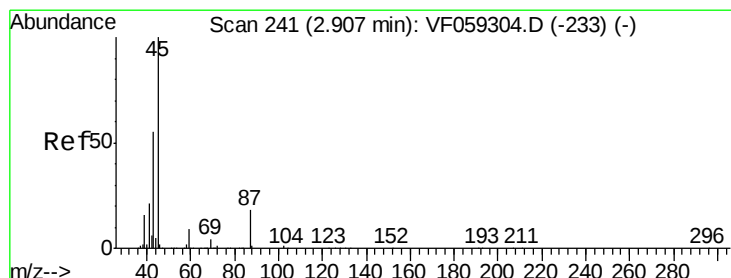
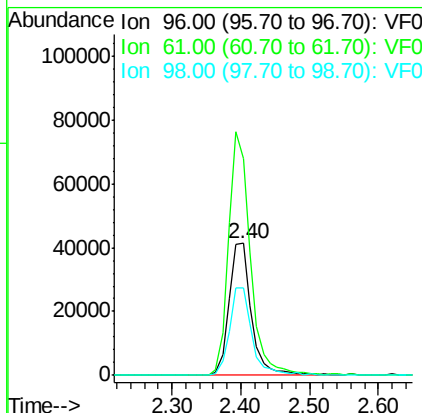
MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

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#22

Diisopropyl ether

Concen: 56.64 ug/l

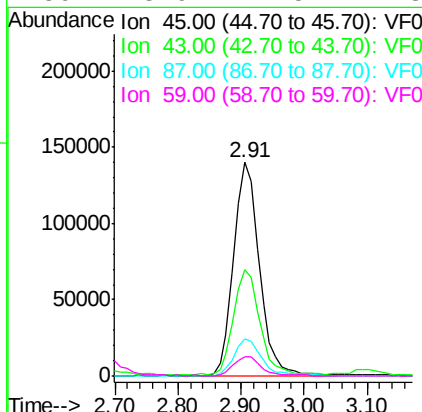
RT: 2.91 min Scan# 241

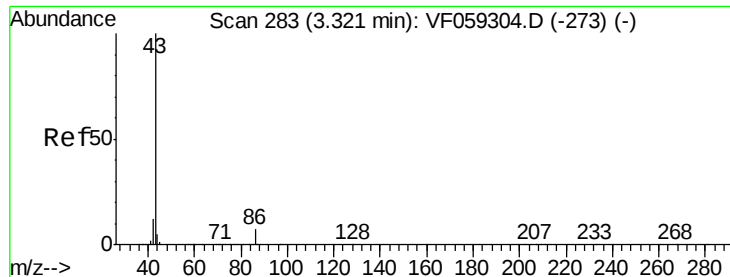
Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion:	45	Resp:	395267
Ion	Ratio	Lower	Upper
45	100		
43	49.9	44.6	66.8
87	17.3	14.3	21.5
59	8.9	7.5	11.3





#23

Vinyl Acetate

Concen: 194.20 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 43 Resp: 863139

Ion Ratio Lower Upper

43 100

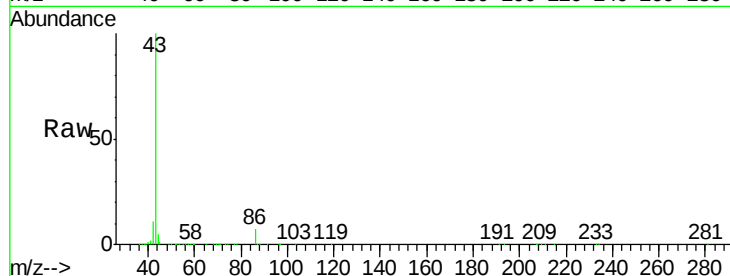
86 7.2 5.8 8.6

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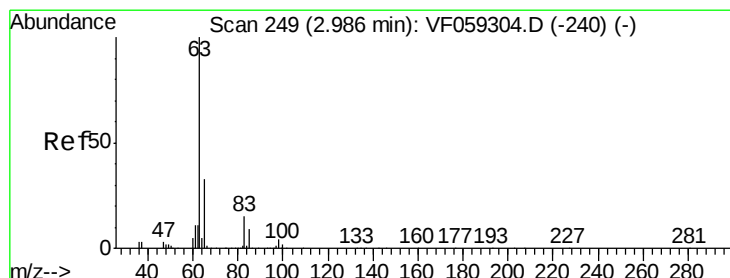
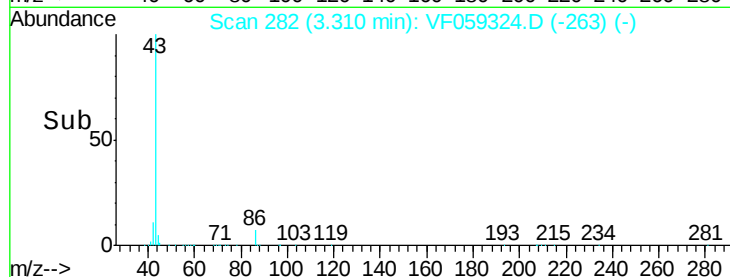
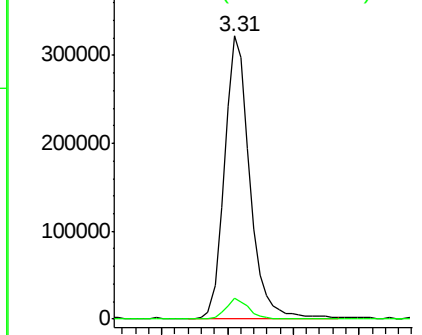
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 48.89 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

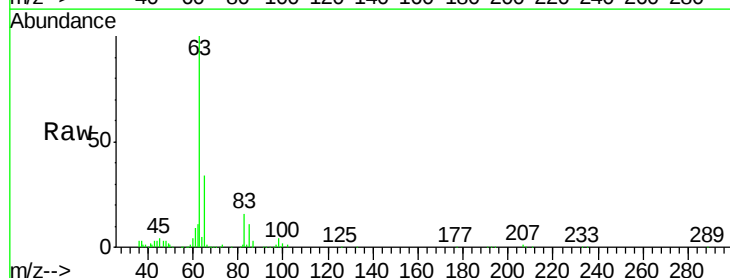
Tgt Ion: 63 Resp: 211558

Ion Ratio Lower Upper

63 100

98 3.8 2.0 6.0

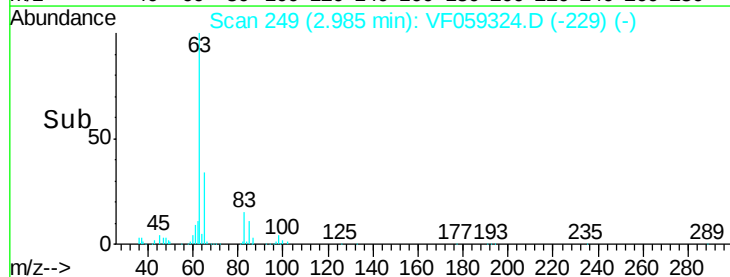
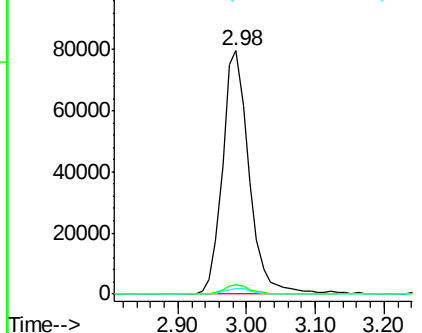
100 2.4 1.3 3.9

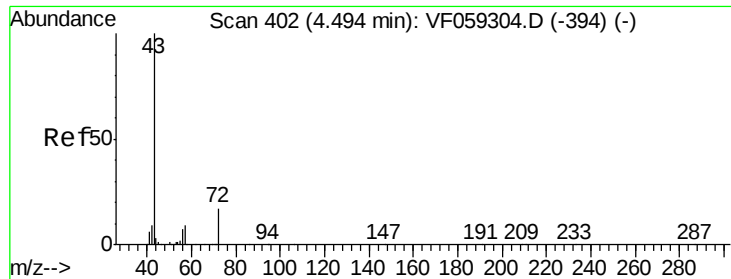


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 596.23 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 43 Resp: 659379

Ion Ratio Lower Upper

43 100

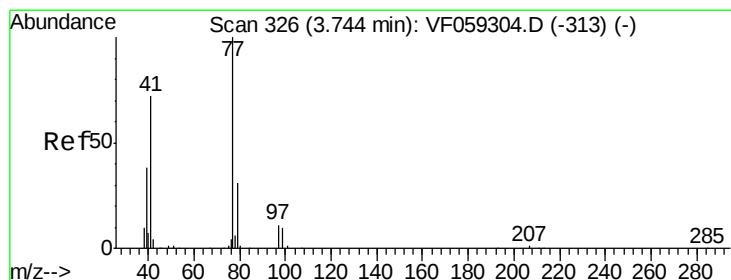
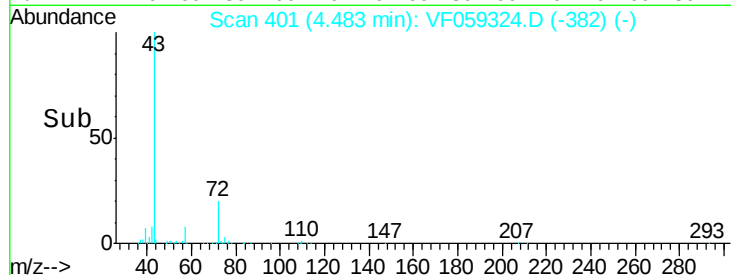
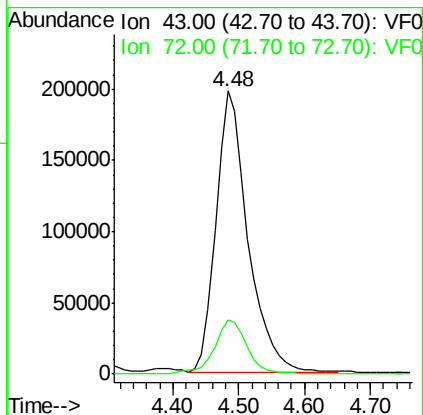
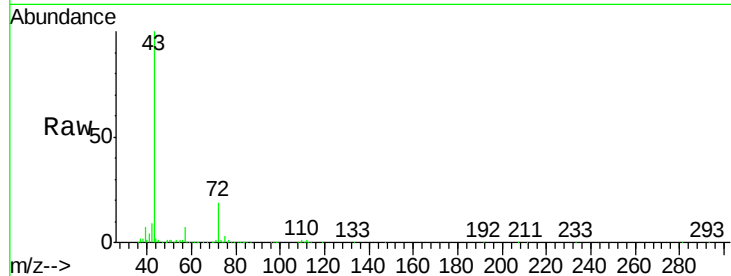
72 19.1 14.4 21.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 36.43 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059324.D

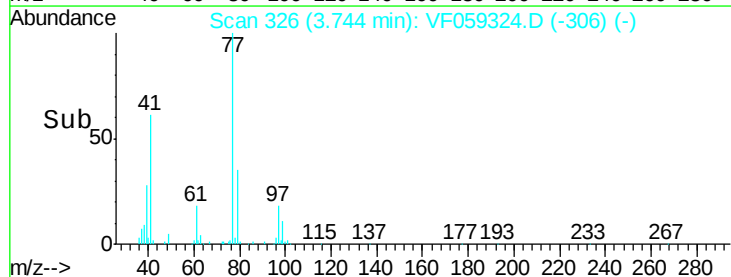
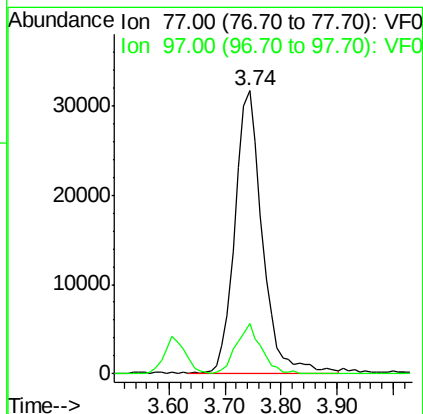
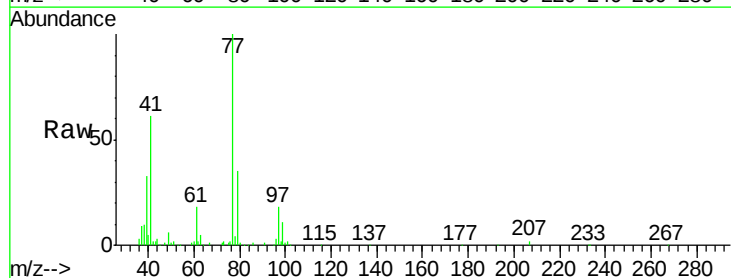
Acq: 26 Jun 2018 18:37

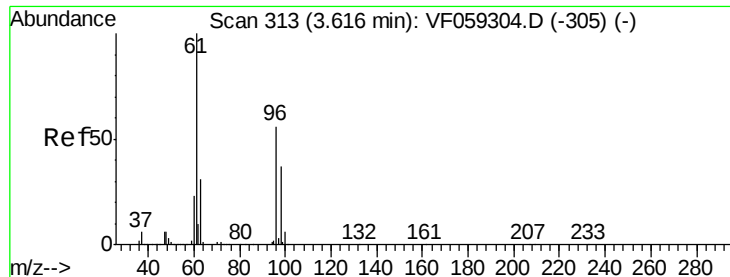
Tgt Ion: 77 Resp: 108724

Ion Ratio Lower Upper

77 100

97 17.9 8.0 23.8





#27

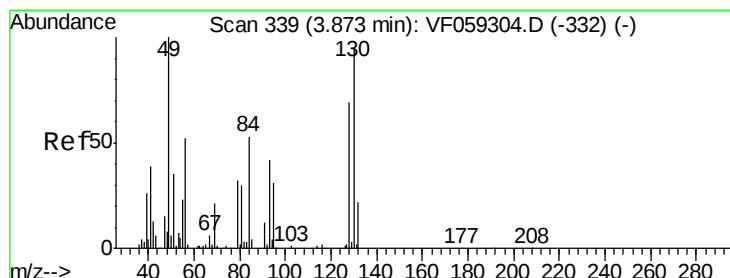
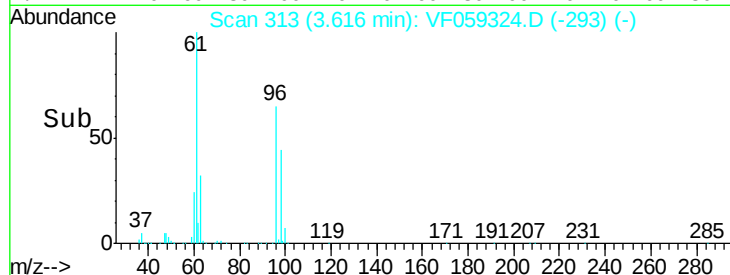
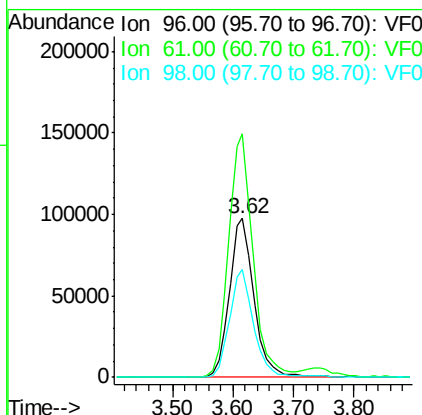
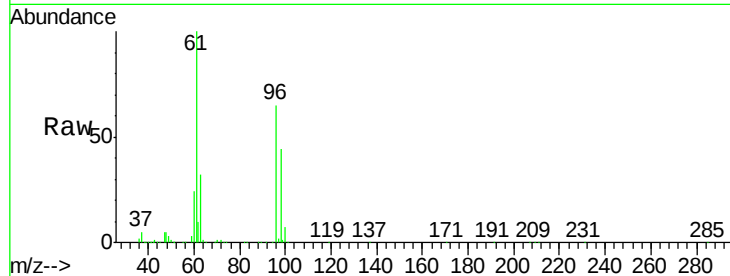
cis-1,2-Dichloroethene
Concen: 101.51 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	153.3	0.0	355.4
98	68.1	0.0	131.0

Manual Integrations
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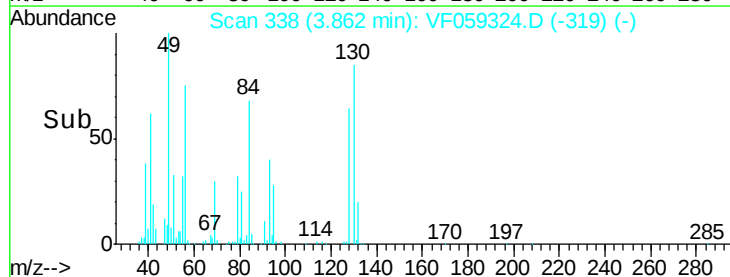
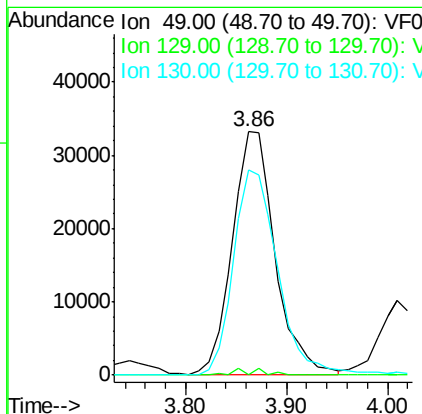
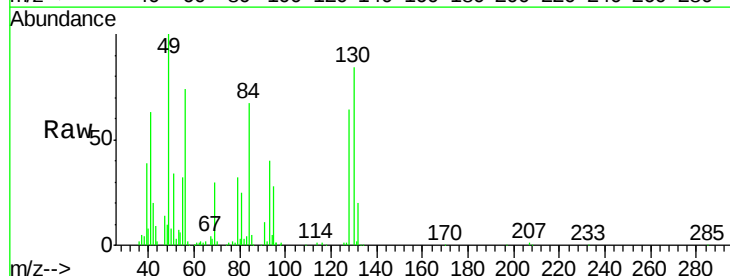
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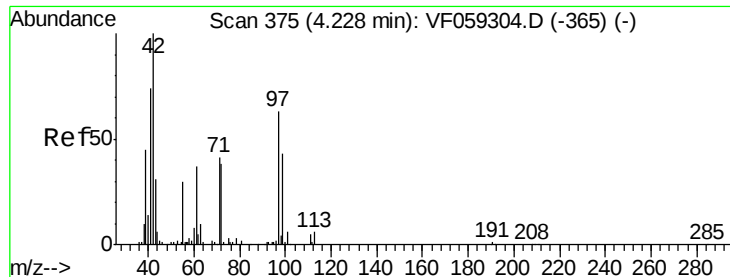


#28

Bromochloromethane
Concen: 59.22 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	0.0	0.0	6.4
130	84.2	75.1	112.7





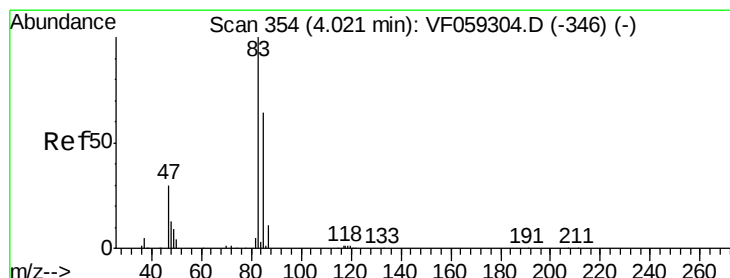
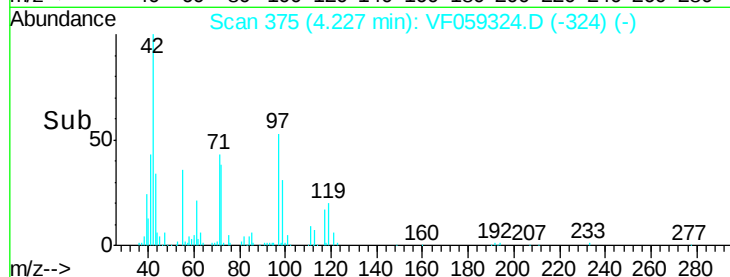
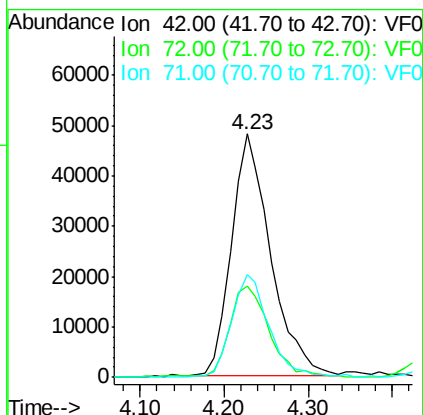
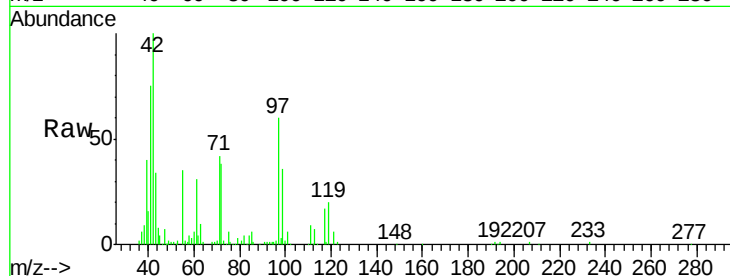
#29
Tetrahydrofuran
Concen: 331.78 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.5	45.7
71	40.7	32.5	48.7

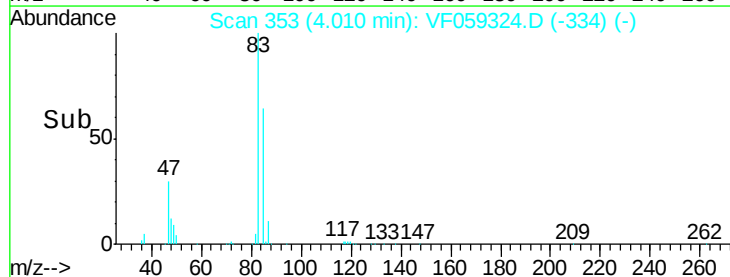
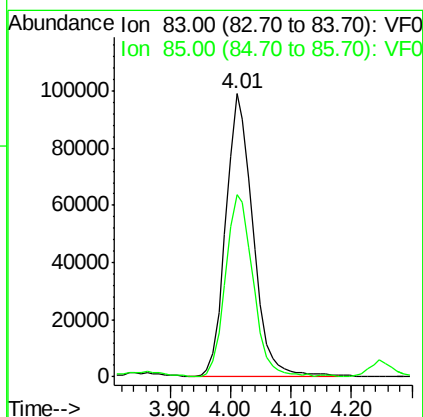
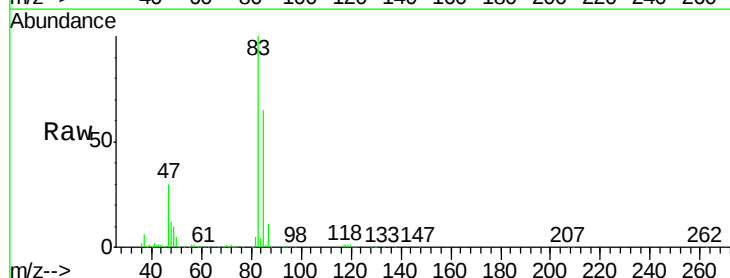
Manual Integrations
APPROVED

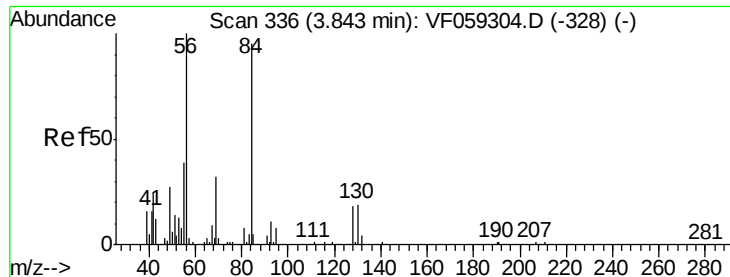
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#30
Chloroform
Concen: 49.55 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.3	76.9





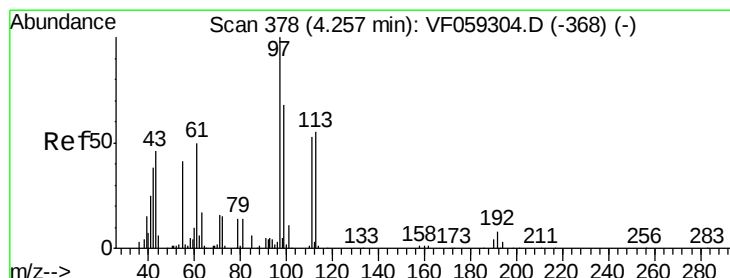
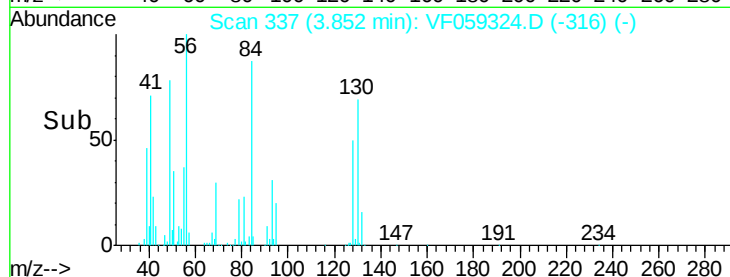
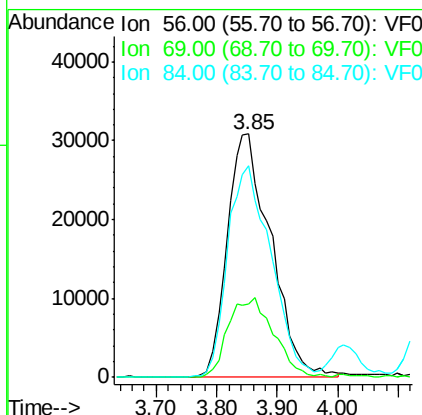
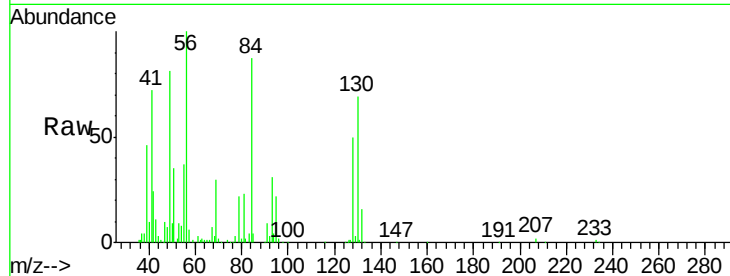
#31
Cyclohexane
Concen: 54.29 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	29.9	25.8	38.8	
84	86.9	75.6	113.4	

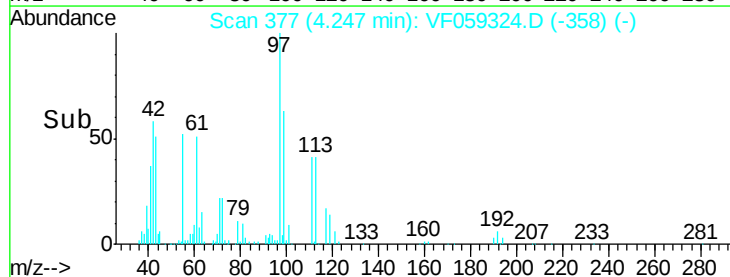
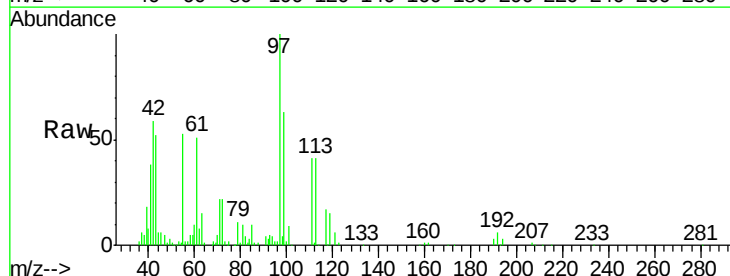
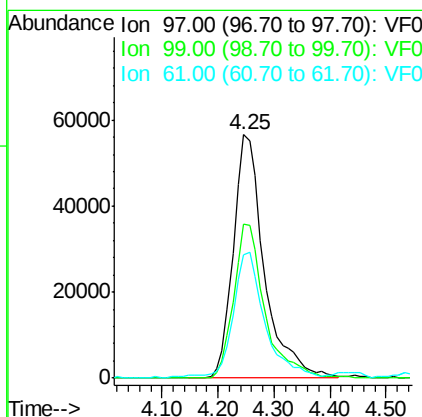
Manual Integrations
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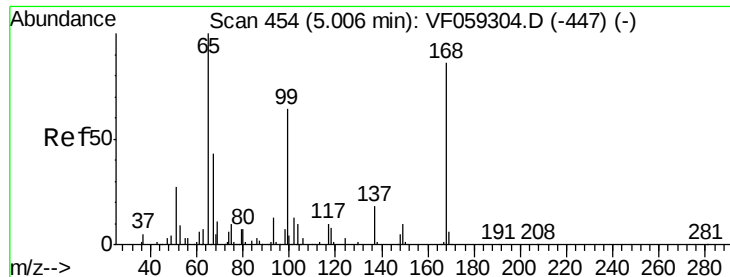
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#32
1,1,1-Trichloroethane
Concen: 47.41 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.1	54.1	81.1	
61	50.9	41.2	61.8	





#33

1,2-Dichloroethane-d4

Concen: 49.29 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tot Ion: 65 Resp: 181343

Ion Ratio Lower Upper

65 100

67 44.7 0.0 96.8

Instrument :

MSVOA_F

ClientSampleId :

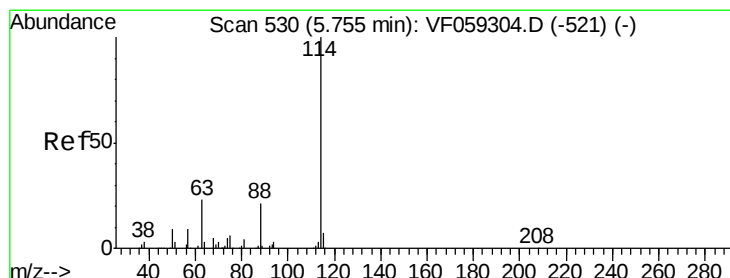
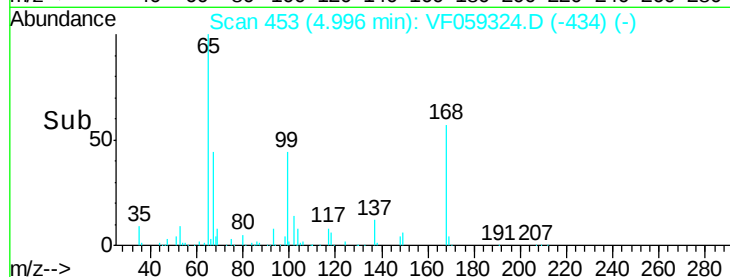
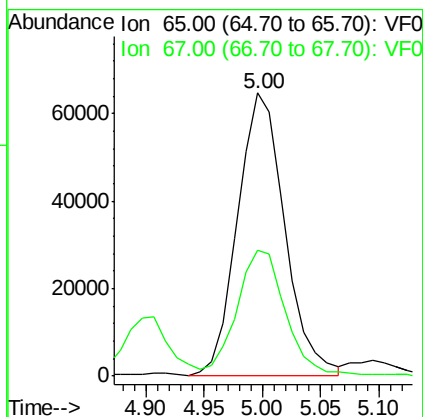
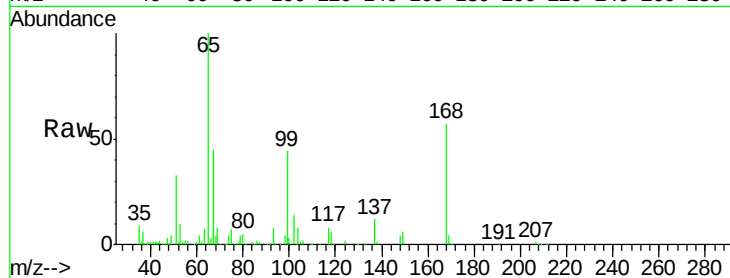
WP021SB472-13-15-180618

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

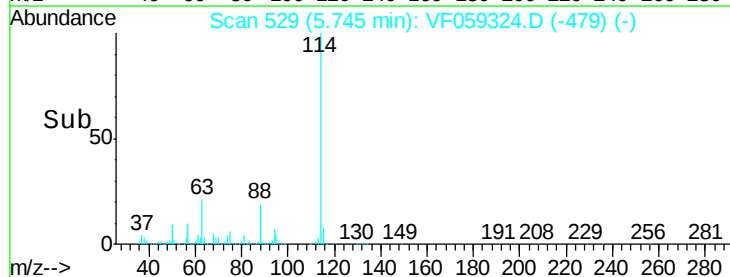
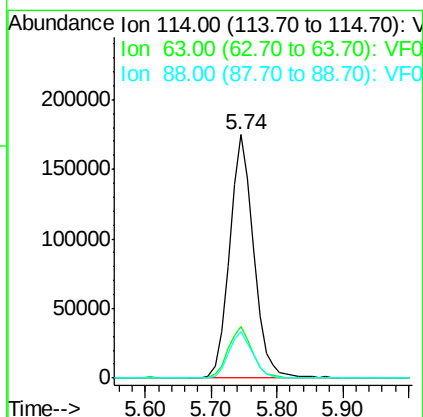
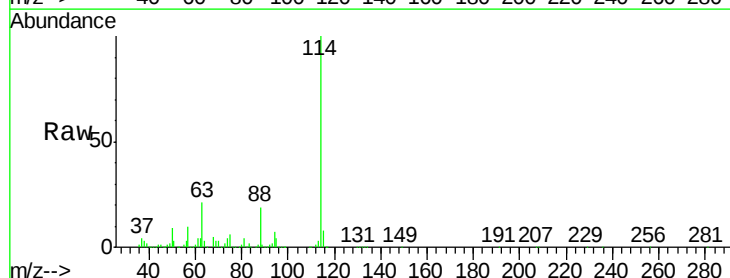
Tgt Ion: 114 Resp: 450572

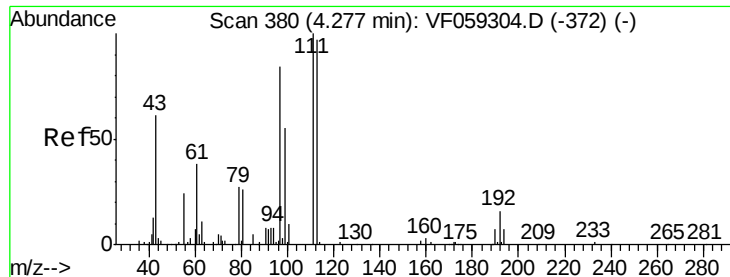
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.8

88 19.3 0.0 41.2





#35

Dibromofluoromethane

Concen: 47.53 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

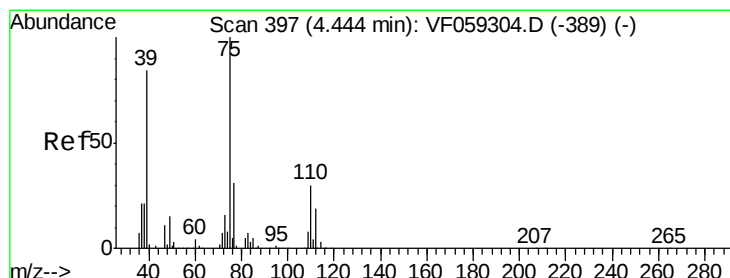
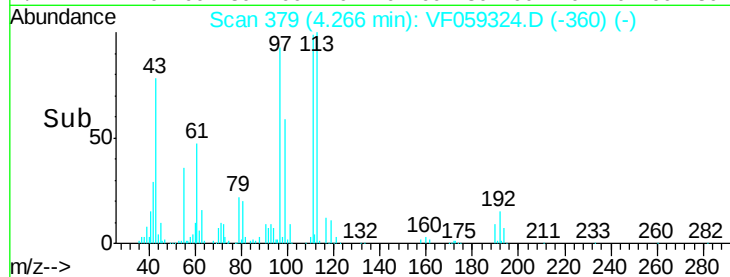
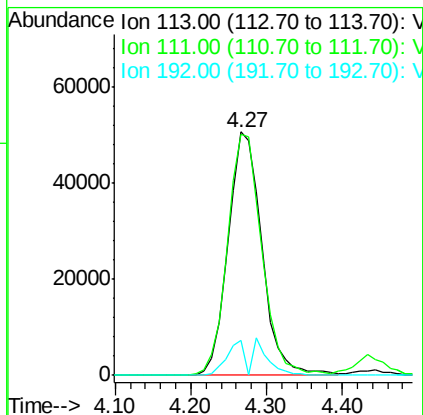
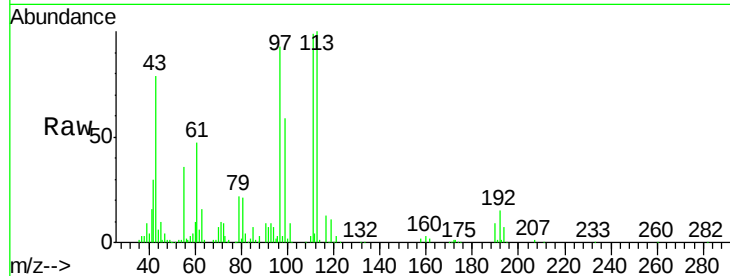
ClientSampleId :

WP021SB472-13-15-180618

Tot Ion:	113	Resp:	156462
Ion Ratio	Lower	Upper	
113	100		
111	98.9	82.1	123.1
192	14.5	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.69 ug/l

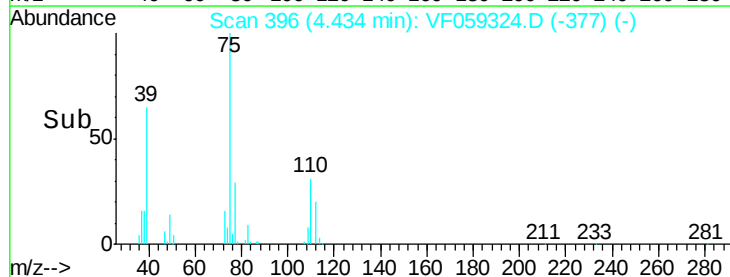
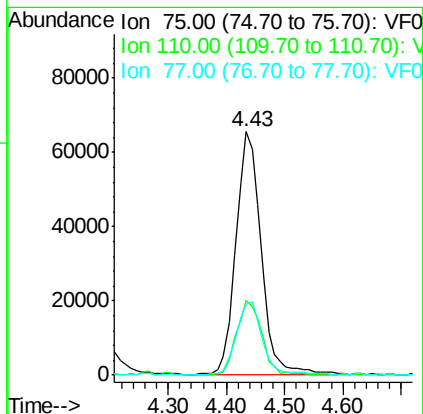
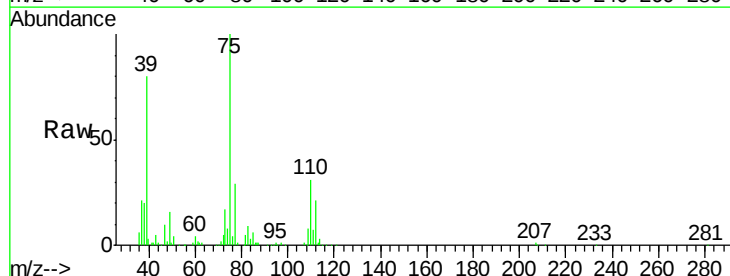
RT: 4.43 min Scan# 396

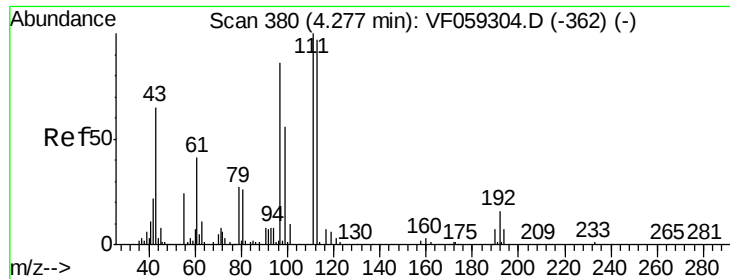
Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion:	75	Resp:	195600
Ion Ratio	Lower	Upper	
75	100		
110	30.9	14.8	44.4
77	28.9	25.2	37.8





#37

Ethyl Acetate

Concen: 62.29 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

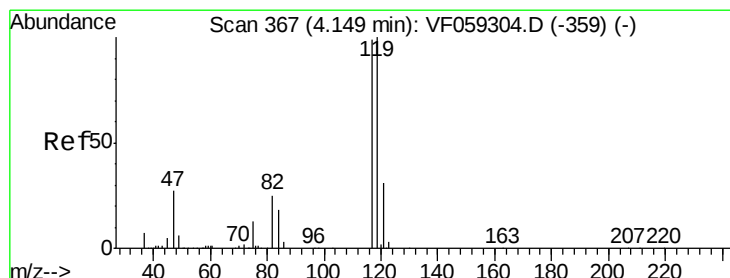
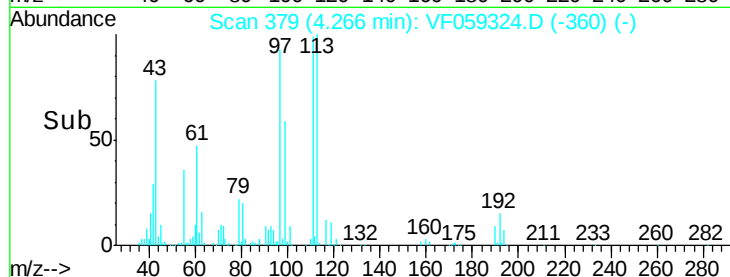
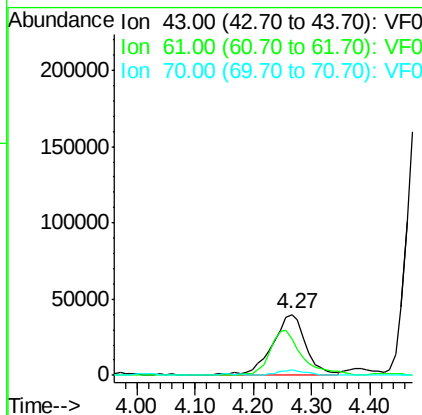
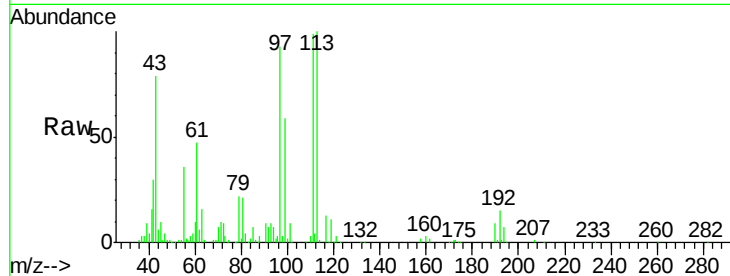
ClientSampleId :

WP021SB472-13-15-180618

Tot Ion:	43	Resp:	155922
Ion	Ratio	Lower	Upper
43	100		
61	58.9	50.1	75.1
70	8.8	6.2	9.4

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#38

Carbon Tetrachloride

Concen: 46.13 ug/l

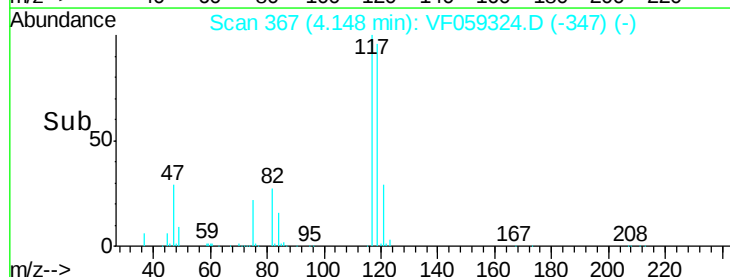
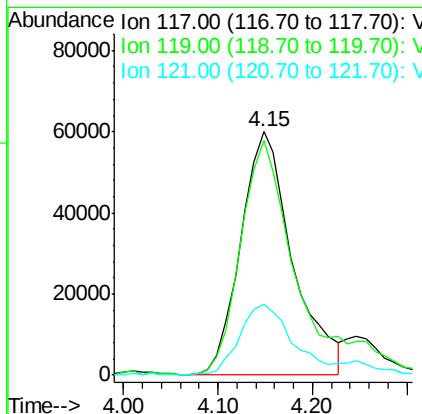
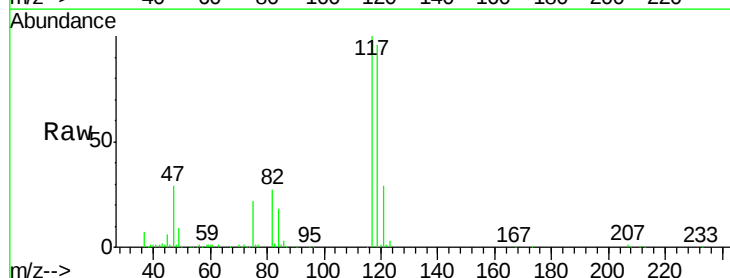
RT: 4.15 min Scan# 367

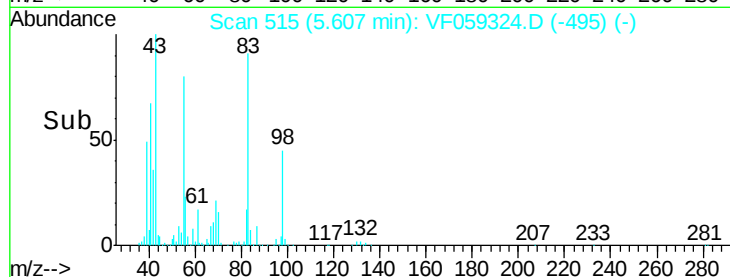
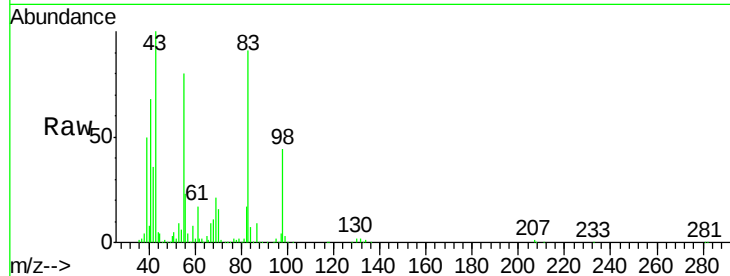
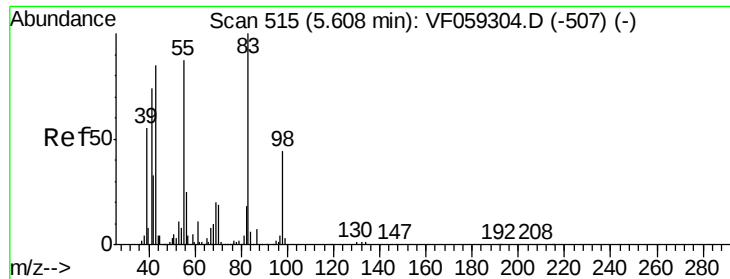
Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion:	117	Resp:	229135
Ion	Ratio	Lower	Upper
117	100		
119	96.5	81.0	121.4
121	29.0	24.7	37.1





#39

Methylcyclohexane

Concen: 57.40 ug/l

RT: 5.61 min Scan# 515

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tot Ion:	83	Resp:	200201
Ion	Ratio	Lower	Upper
83	100		
55	88.2	69.2	103.8
98	49.0	35.0	52.6

Instrument :

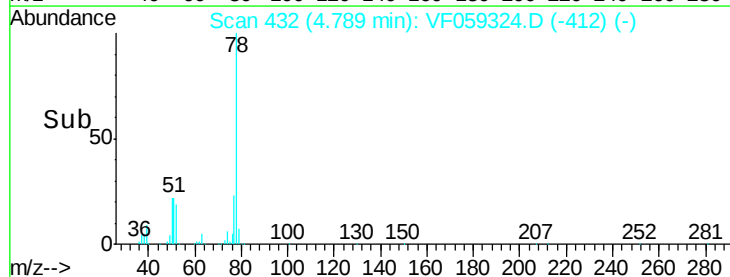
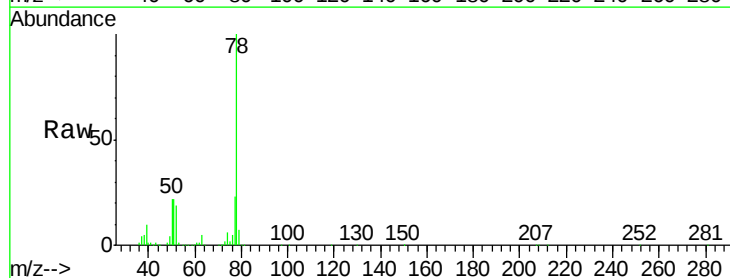
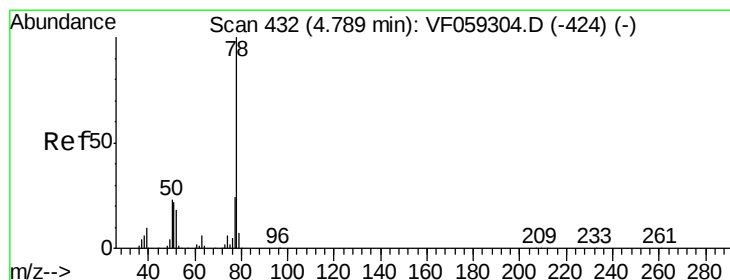
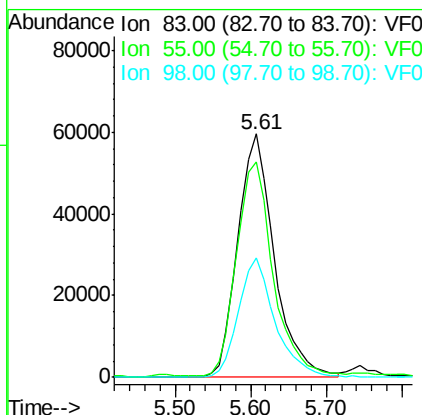
MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

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#40

Benzene

Concen: 54.42 ug/l

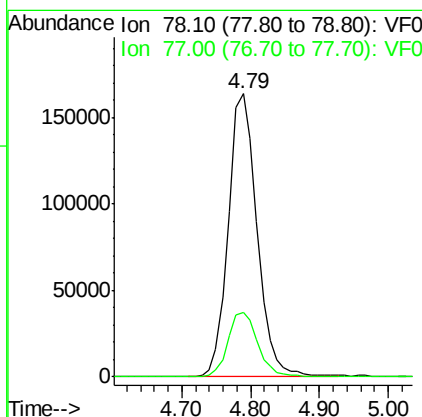
RT: 4.79 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion:	78	Resp:	474897
Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.6	29.4





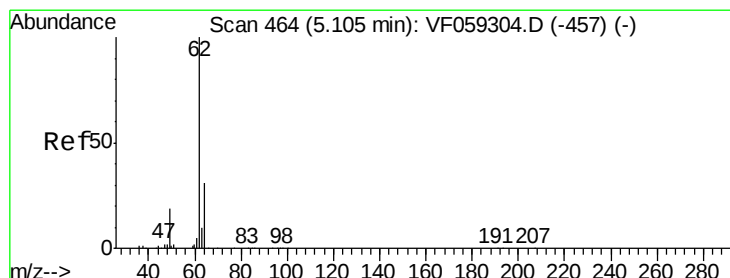
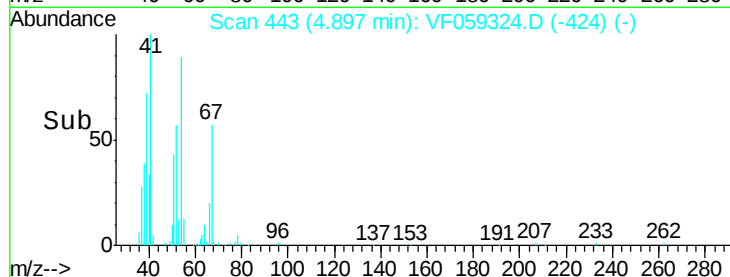
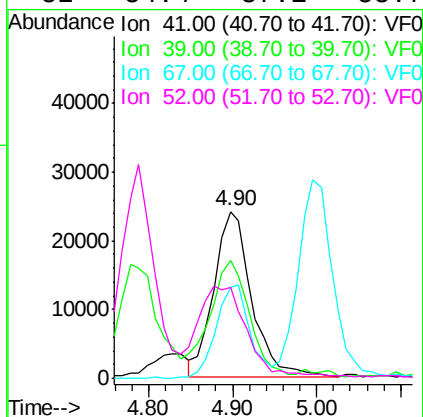
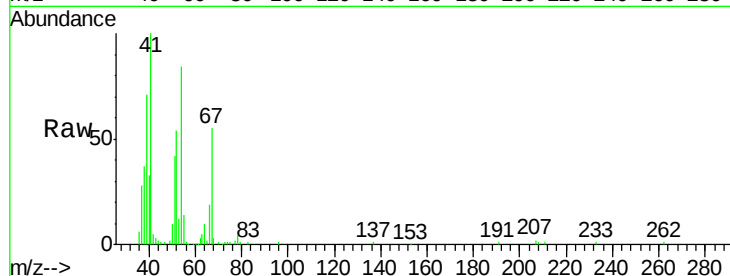
#41
Methacrylonitrile
Concen: 55.57 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.9	50.0	75.0
67	54.8	37.0	55.6
52	54.4	37.1	55.7

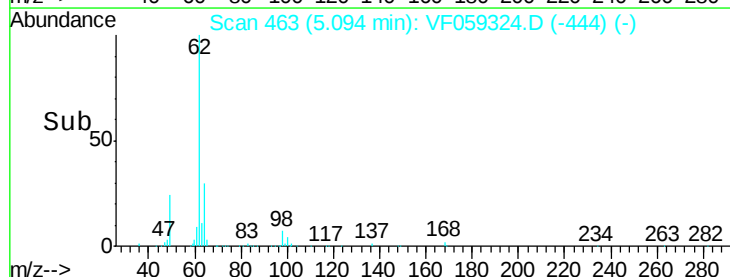
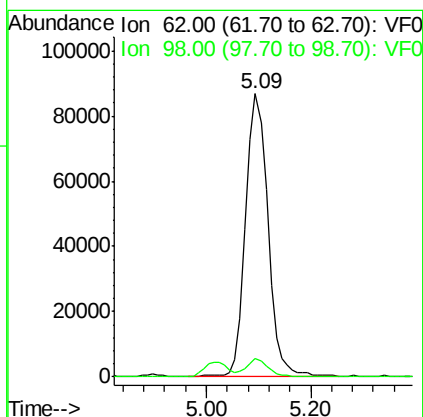
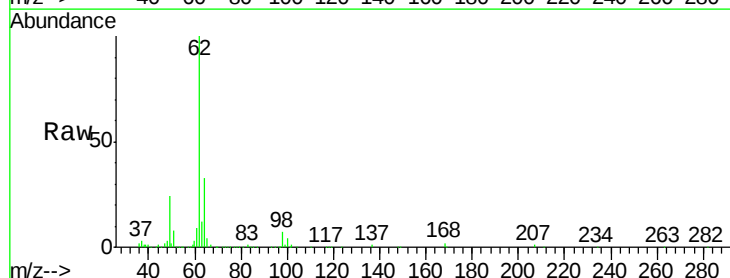
Manual Integrations
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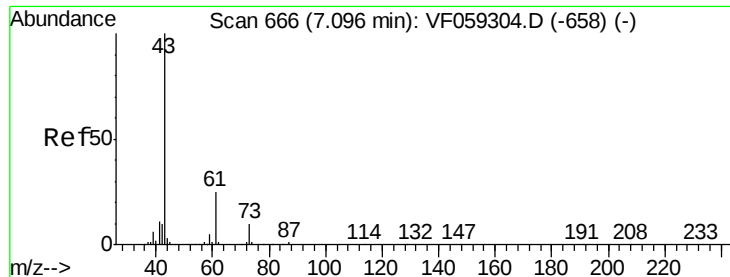
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#42
1,2-Dichloroethane
Concen: 49.42 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	11.4





#43

Isopropyl Acetate

Concen: 61.00 ug/l

RT: 7.09 min Scan# 665

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

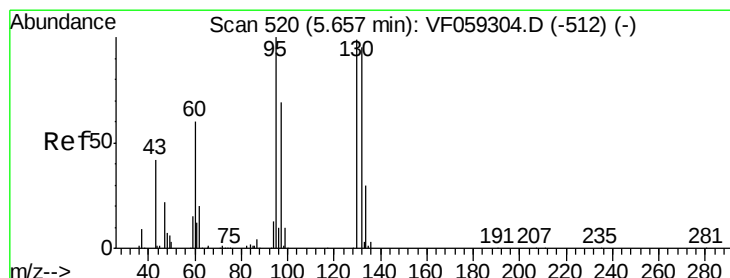
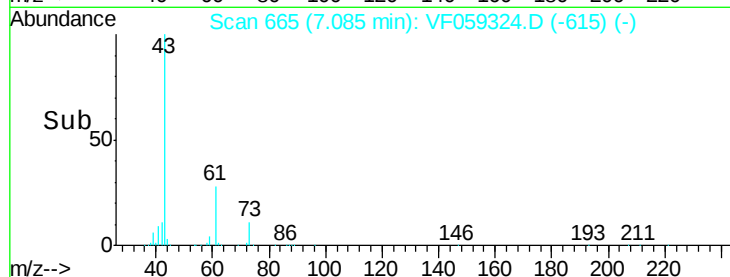
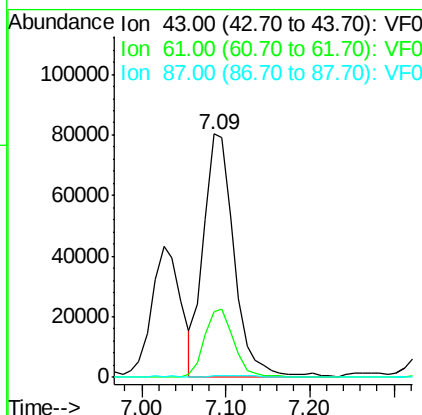
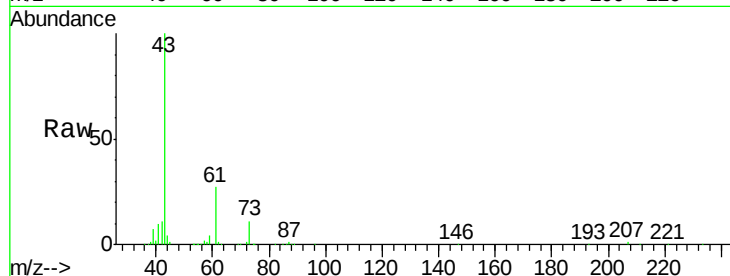
ClientSampleId :

WP021SB472-13-15-180618

Tot Ion:	43	Resp:	199999
Ion	Ratio	Lower	Upper
43	100		
61	26.9	19.7	29.5
87	0.6	0.5	0.7

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#44

Trichloroethene

Concen: 52.67 ug/l

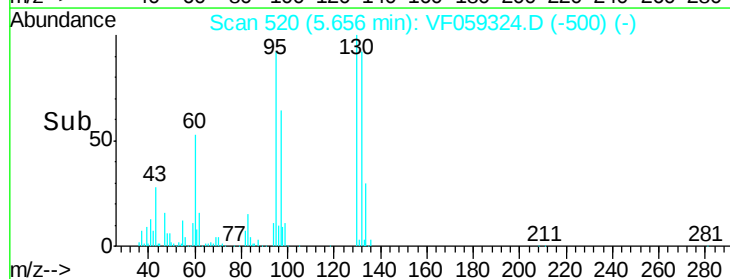
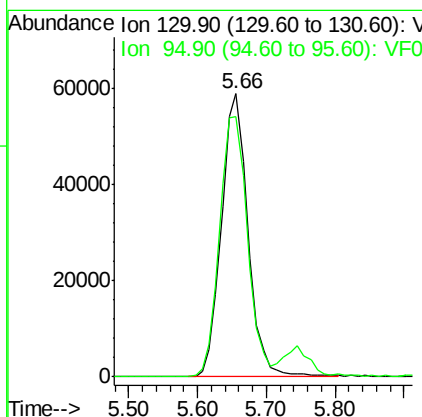
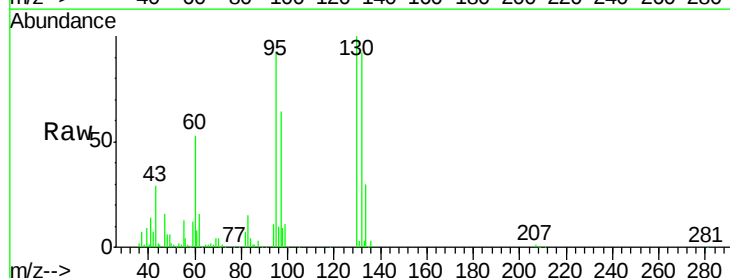
RT: 5.66 min Scan# 520

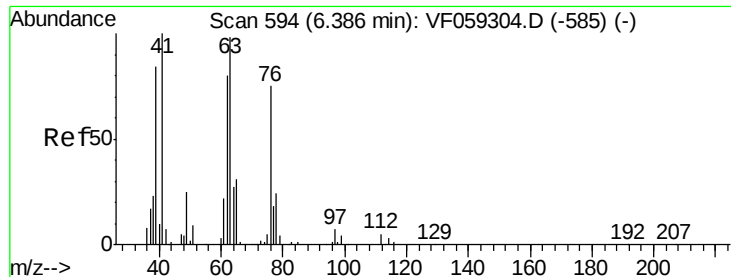
Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion:	130	Resp:	157688
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	202.4





#45

1,2-Dichloropropane

Concen: 53.37 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 63 Resp: 133068

Ion Ratio Lower Upper

63 100

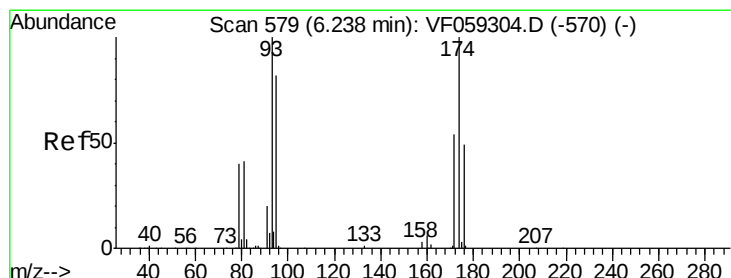
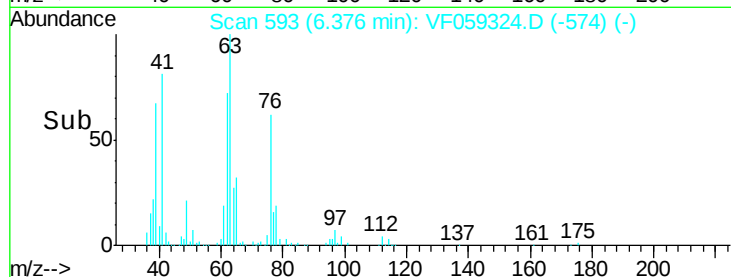
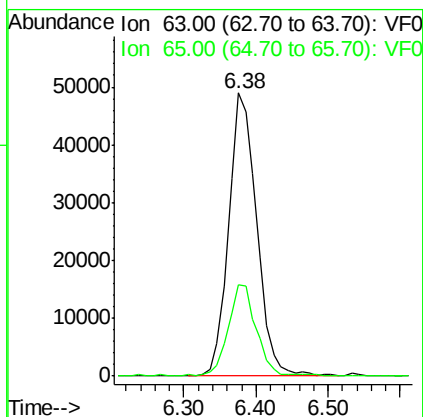
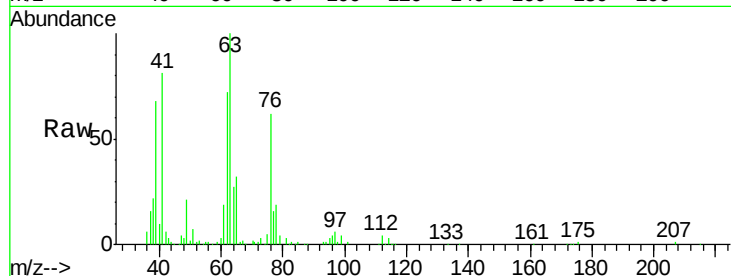
65 32.2 25.3 37.9

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#46

Dibromomethane

Concen: 50.81 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

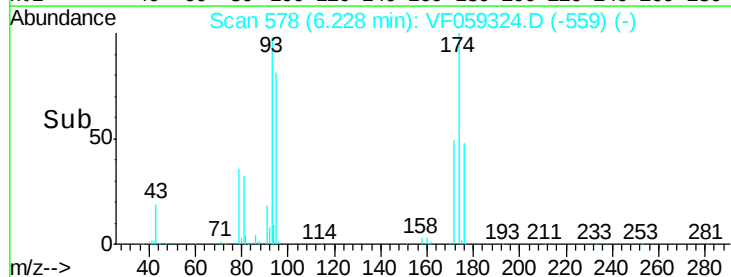
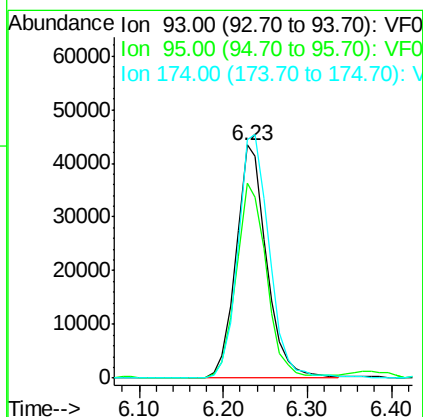
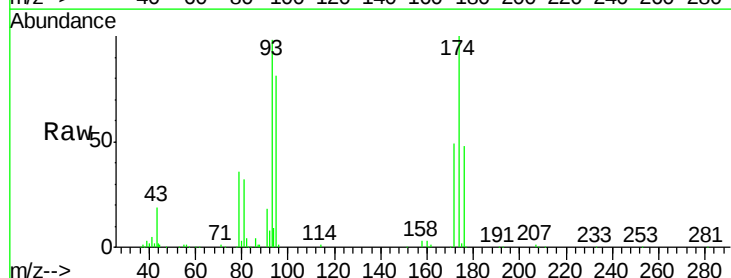
Tgt Ion: 93 Resp: 109955

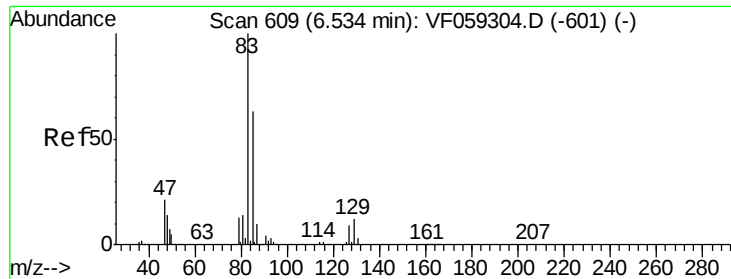
Ion Ratio Lower Upper

93 100

95 83.4 65.6 98.4

174 102.4 80.0 120.0





#47

Bromodichloromethane

Concen: 48.02 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

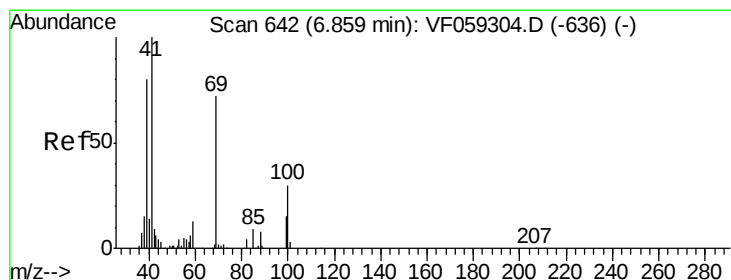
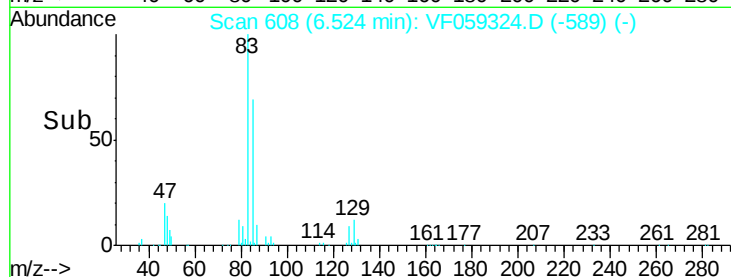
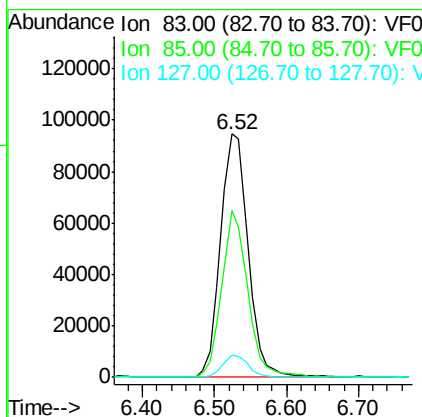
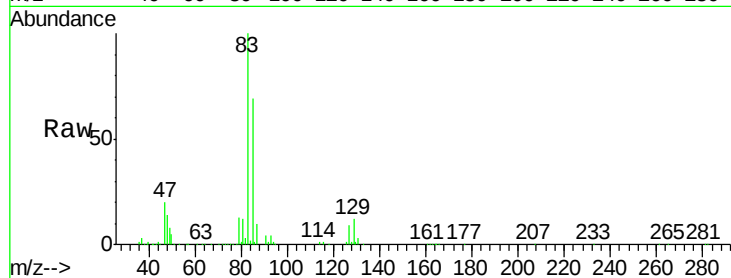
ClientSampleId :

WP021SB472-13-15-180618

Tot Ion:	83	Resp:	251589
Ion	Ratio	Lower	Upper
83	100		
85	68.7	50.2	75.2
127	8.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 60.41 ug/l

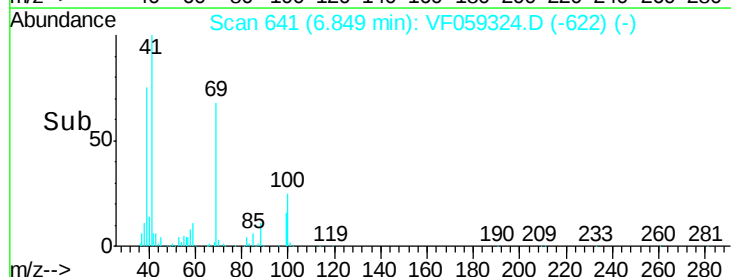
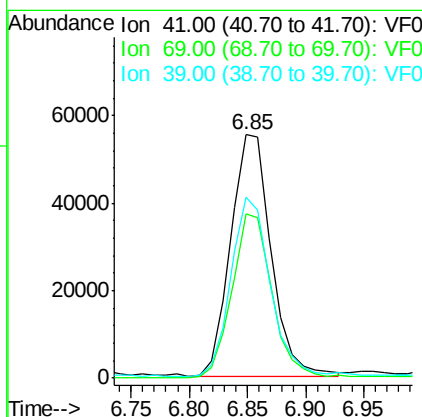
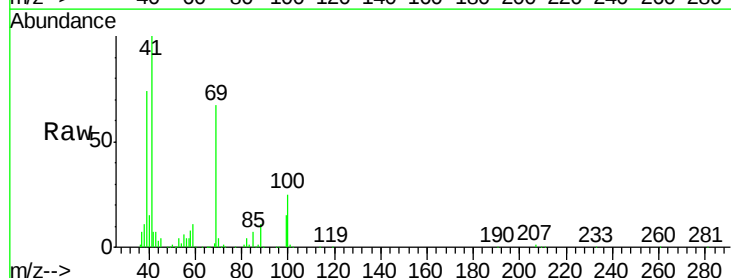
RT: 6.85 min Scan# 641

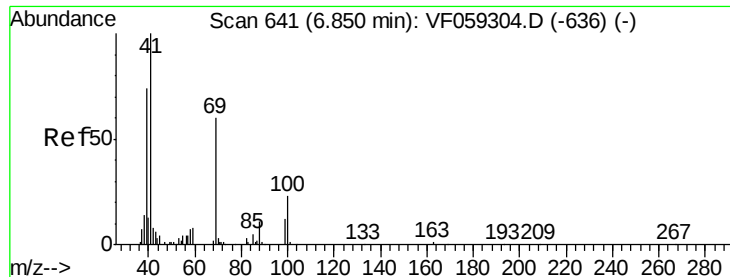
Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion:	41	Resp:	132754
Ion	Ratio	Lower	Upper
41	100		
69	67.5	57.3	85.9
39	74.5	64.4	96.6





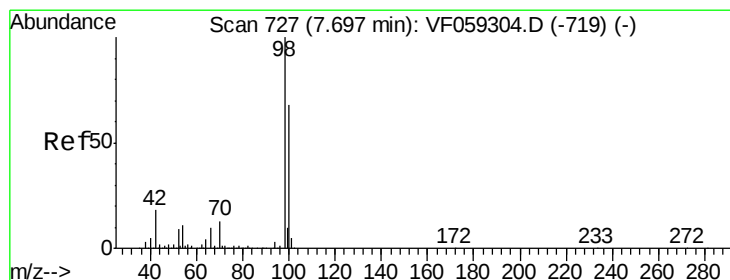
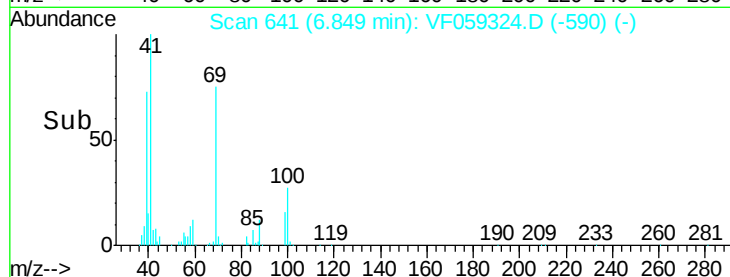
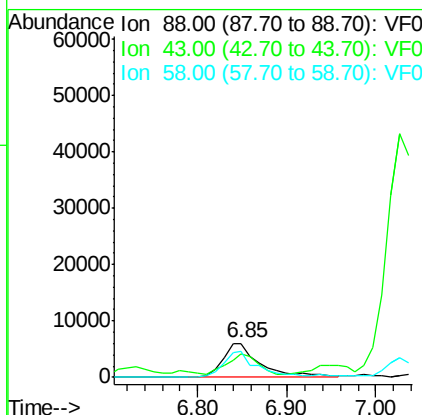
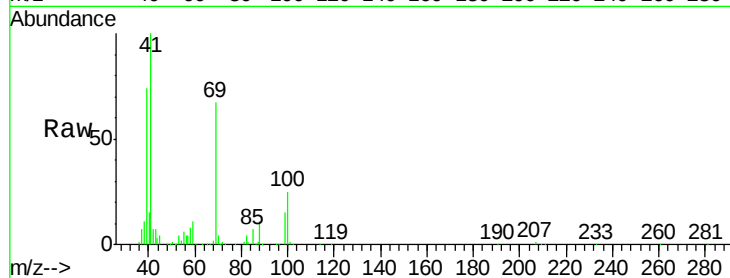
#49
1,4-Dioxane
Concen: 1515.94 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
88	100		
43	68.1	50.6	75.8
58	76.4	46.6	69.8

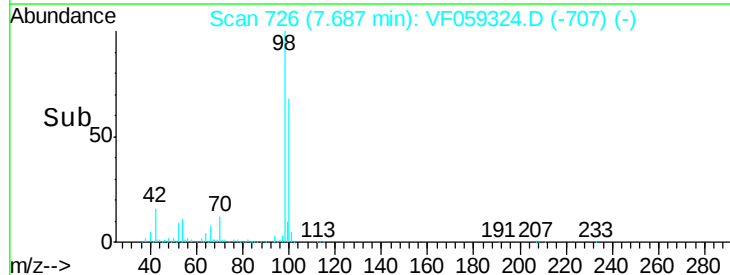
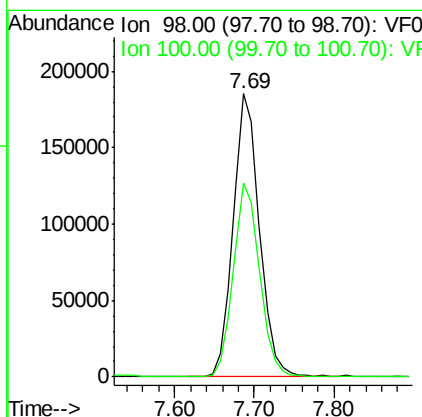
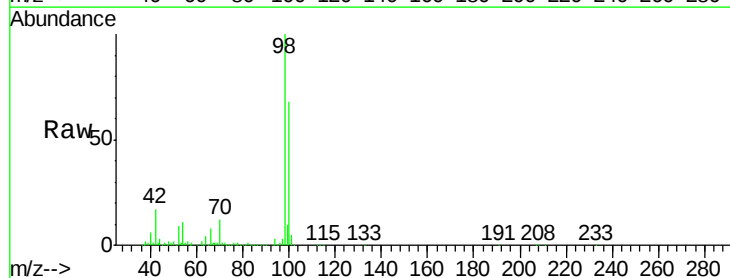
Manual Integrations
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#50
Toluene-d8
Concen: 52.49 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.4	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 425.05 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 43 Resp: 1032434

Ion Ratio Lower Upper

43 100

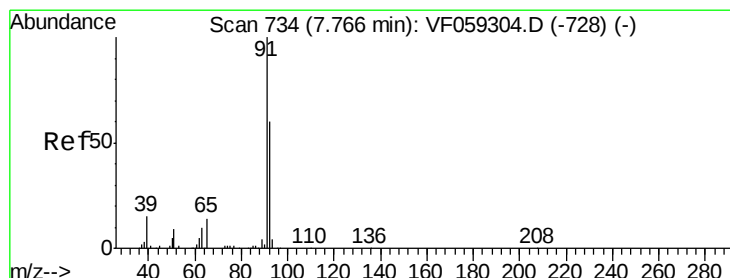
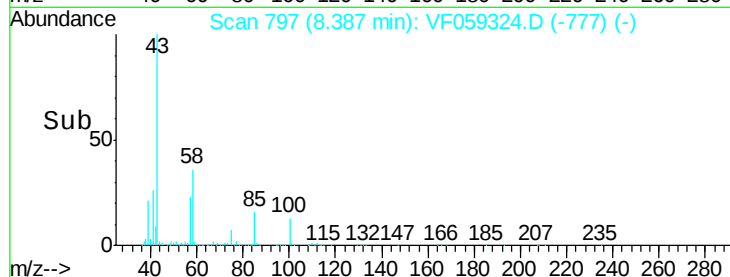
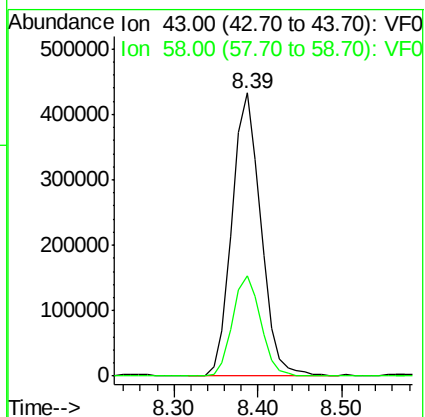
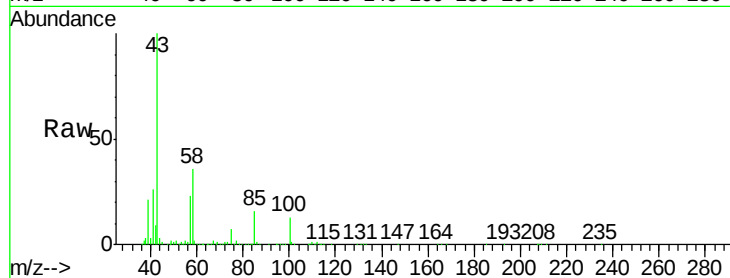
58 35.7 28.4 42.6

Manual Integrations

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#52

Toluene

Concen: 57.62 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059324.D

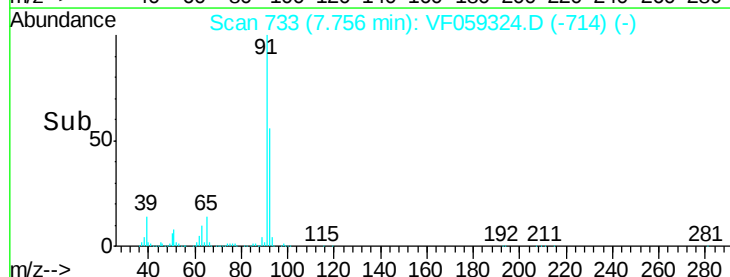
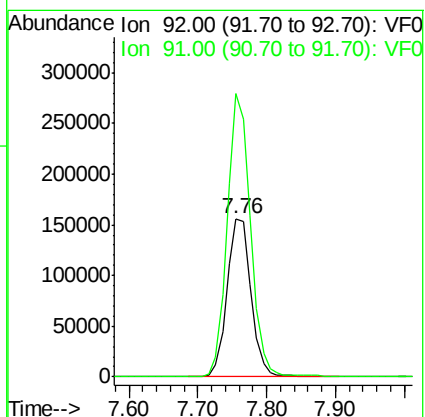
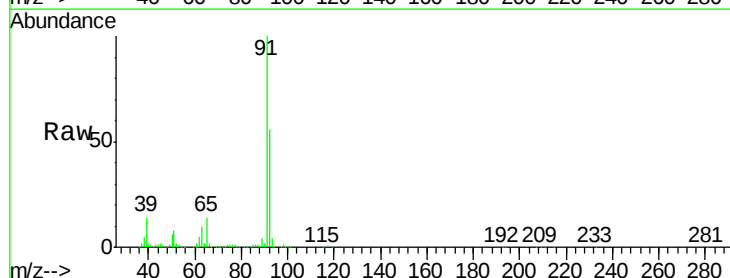
Acq: 26 Jun 2018 18:37

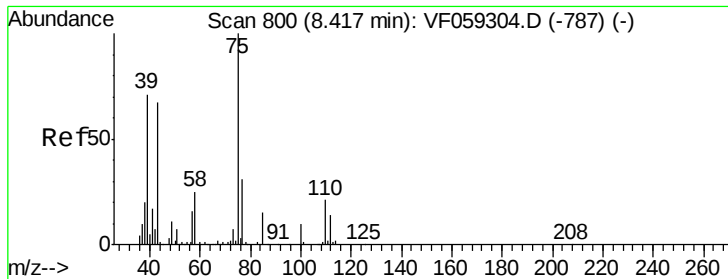
Tgt Ion: 92 Resp: 376296

Ion Ratio Lower Upper

92 100

91 178.6 132.8 199.2





#53

t-1,3-Dichloropropene

Concen: 44.30 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 75 Resp: 211551

Ion Ratio Lower Upper

75 100

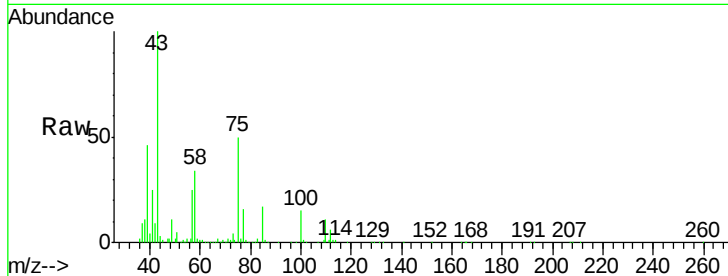
77 31.6 25.3 37.9

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

100000

80000

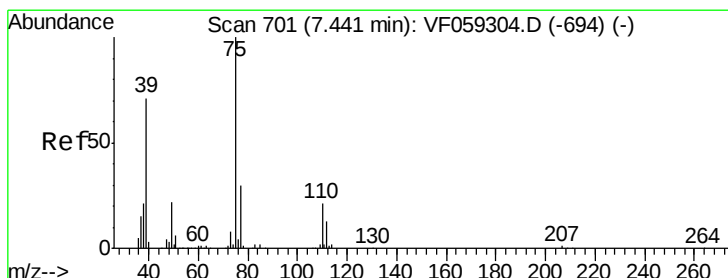
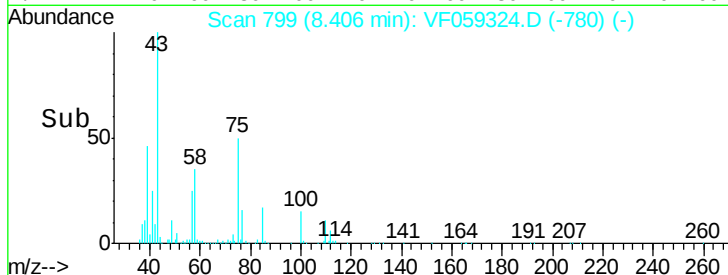
60000

40000

20000

0

Time--> 8.20 8.30 8.40 8.50



#54

cis-1,3-Dichloropropene

Concen: 46.49 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

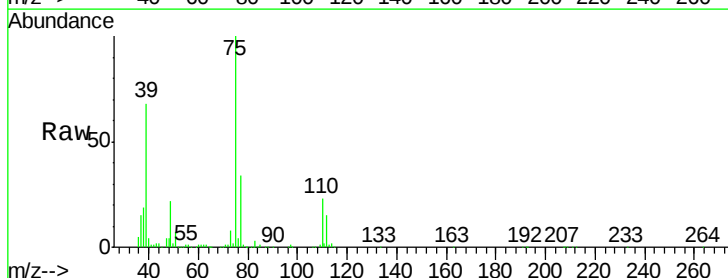
Tgt Ion: 75 Resp: 241156

Ion Ratio Lower Upper

75 100

77 34.0 24.3 36.5

39 67.9 57.2 85.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

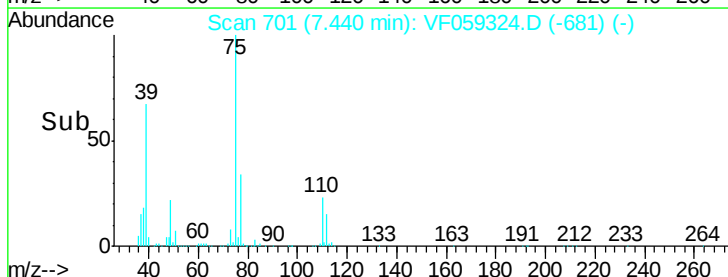
7.44

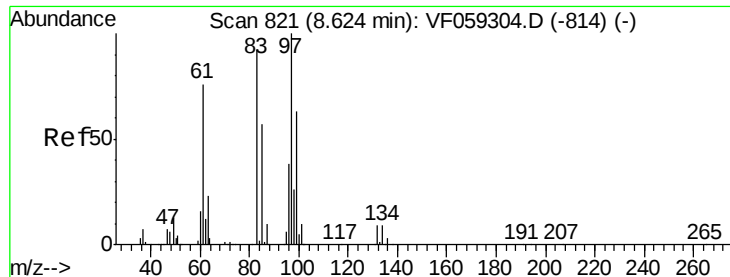
100000

50000

0

Time--> 7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 56.75 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

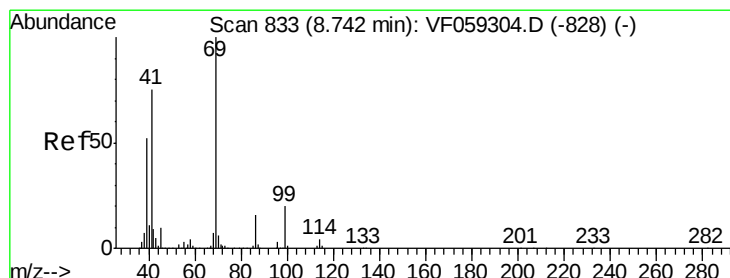
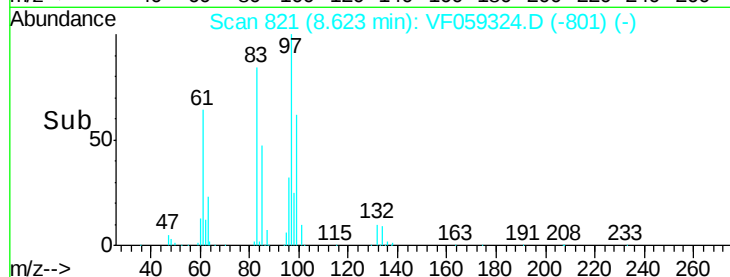
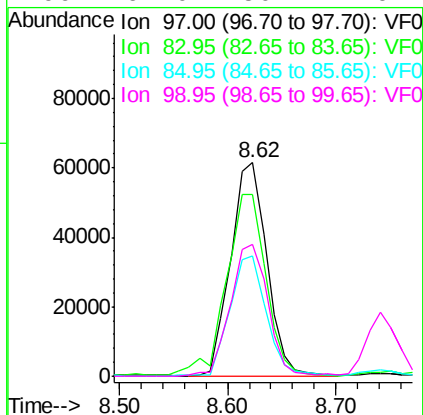
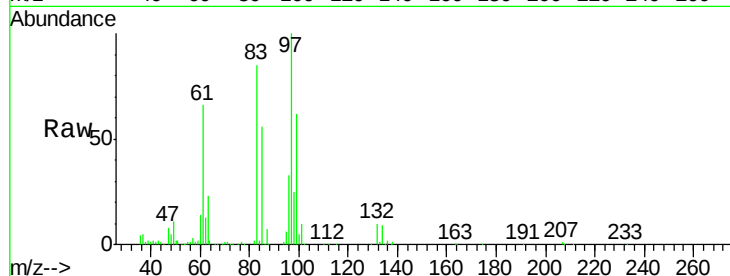
ClientSampleId :

WP021SB472-13-15-180618

Tot Ion:	97	Resp:	143893
Ion	Ratio	Lower	Upper
97	100		
83	85.4	73.8	110.8
85	56.3	45.5	68.3
99	62.0	50.7	76.1

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#56

Ethyl methacrylate

Concen: 61.67 ug/l

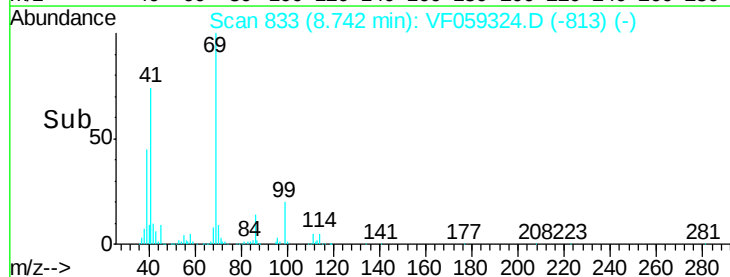
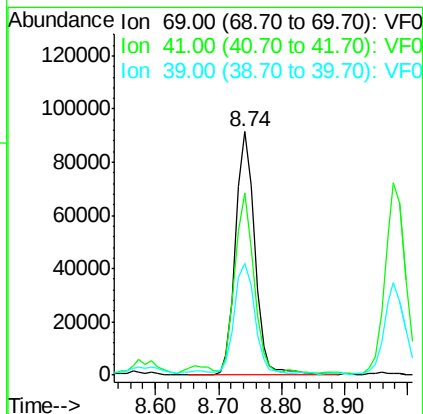
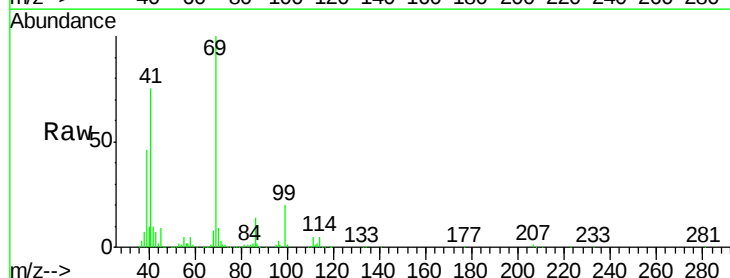
RT: 8.74 min Scan# 833

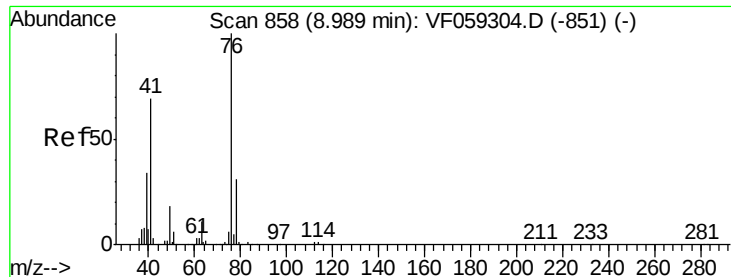
Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion:	69	Resp:	193698
Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.3	90.5
39	45.9	42.2	63.4





#57

1,3-Dichloropropane

Concen: 52.34 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 76 Resp: 227612

Ion Ratio Lower Upper

76 100

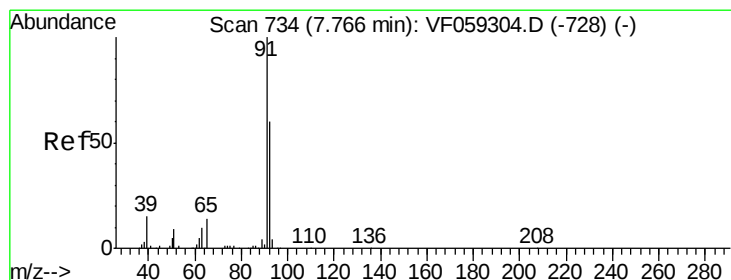
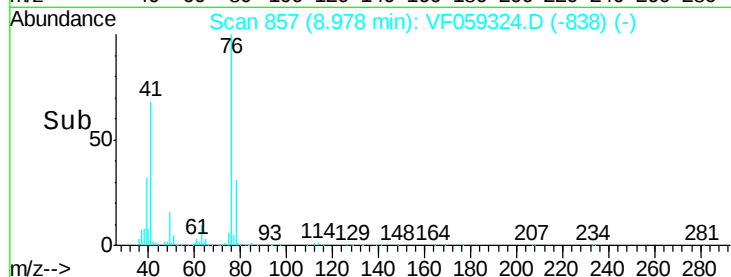
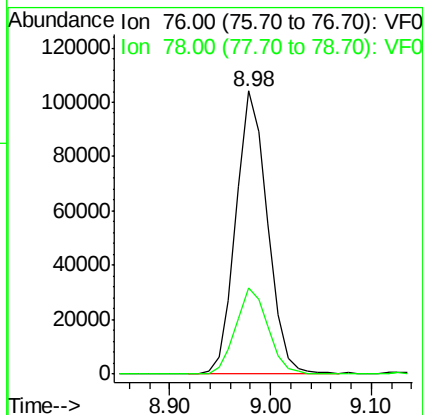
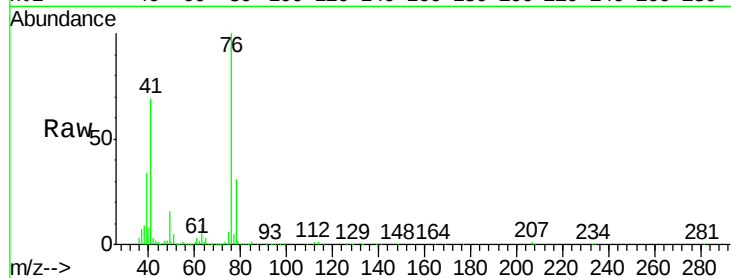
78 30.6 24.9 37.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 288.78 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059324.D

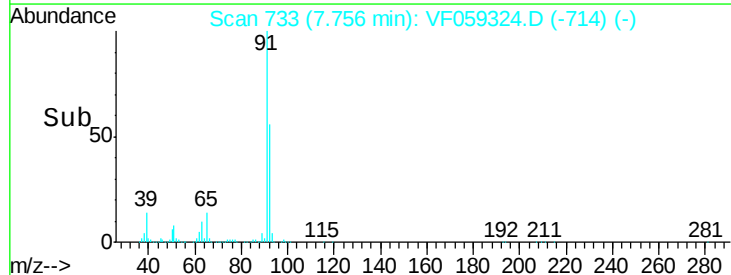
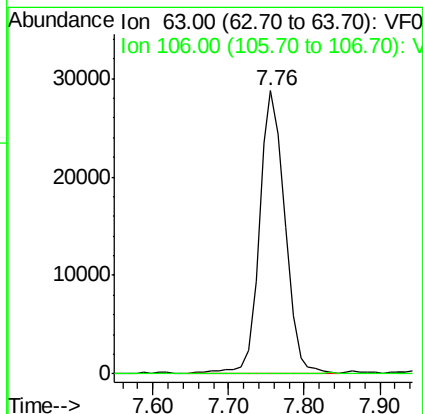
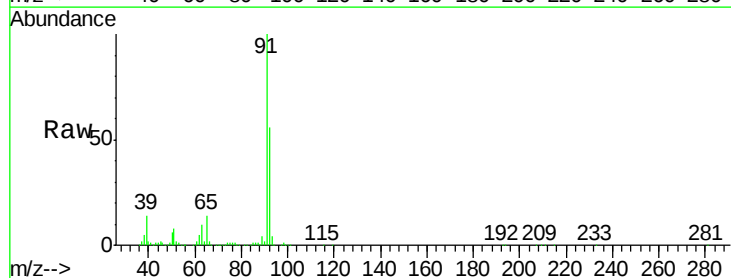
Acq: 26 Jun 2018 18:37

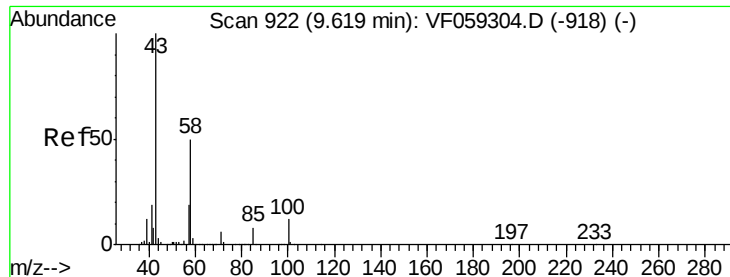
Tgt Ion: 63 Resp: 68028

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 298.26 ug/l

RT: 9.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 43 Resp: 538302

Ion Ratio Lower Upper

43 100

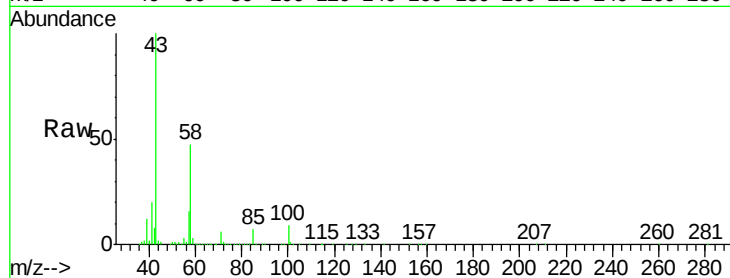
58 47.4 23.3 69.9

Manual Integrations

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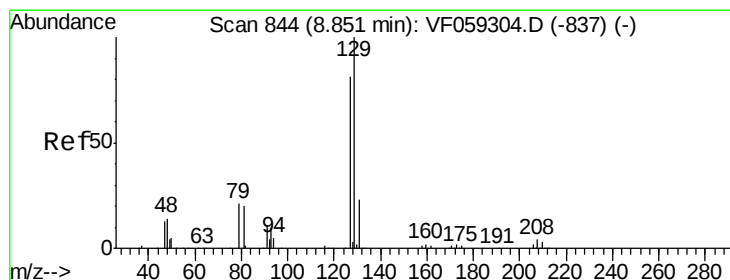
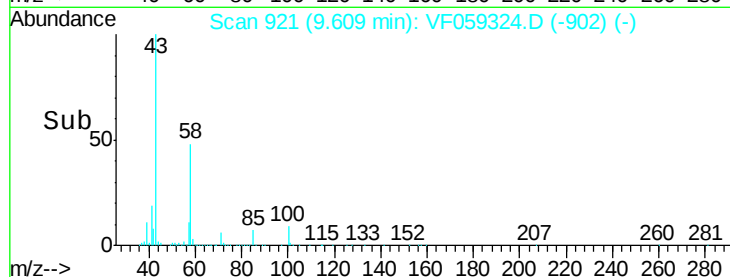
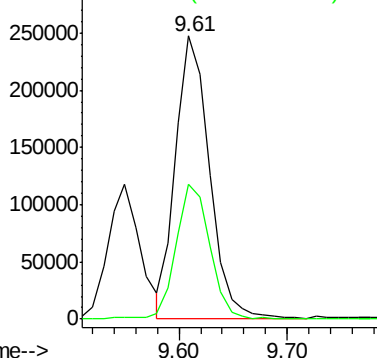
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 49.78 ug/l

RT: 8.84 min Scan# 843

Delta R.T. -0.01 min

Lab File: VF059324.D

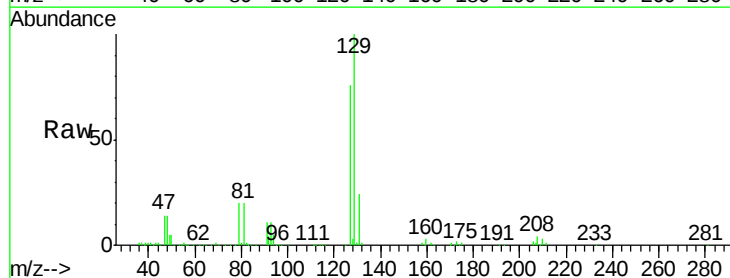
Acq: 26 Jun 2018 18:37

Tgt Ion: 129 Resp: 194874

Ion Ratio Lower Upper

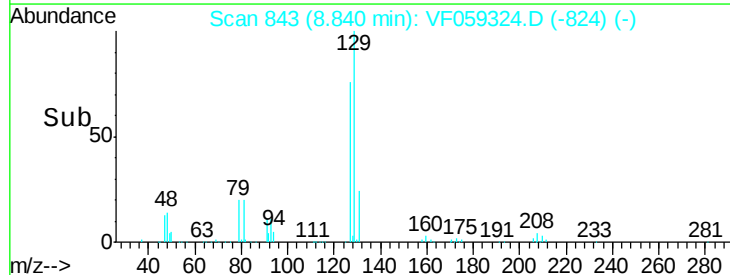
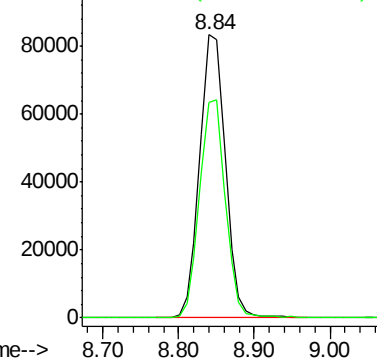
129 100

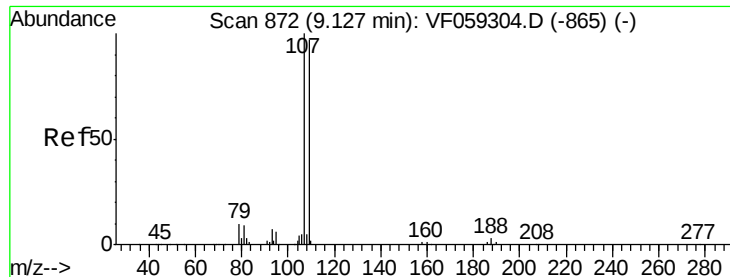
127 75.9 40.7 122.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 52.53 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion:107 Resp: 161517

Ion Ratio Lower Upper

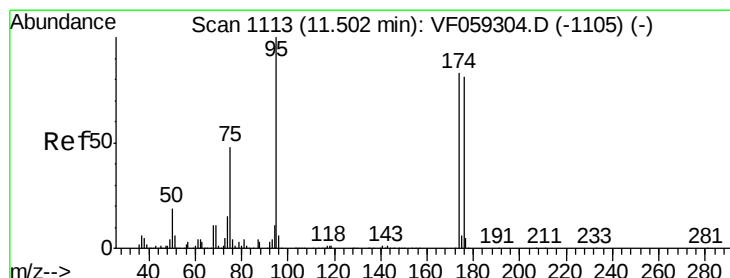
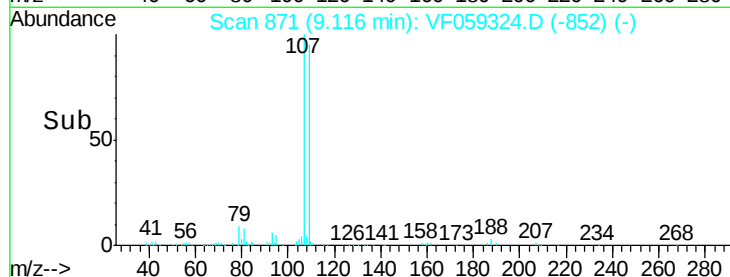
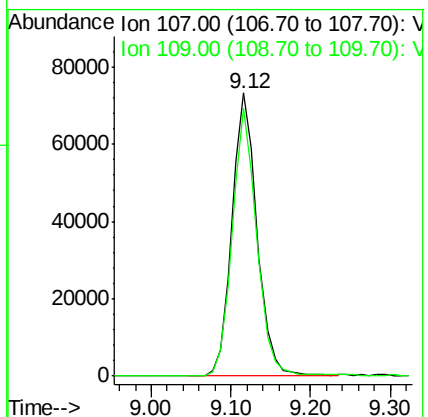
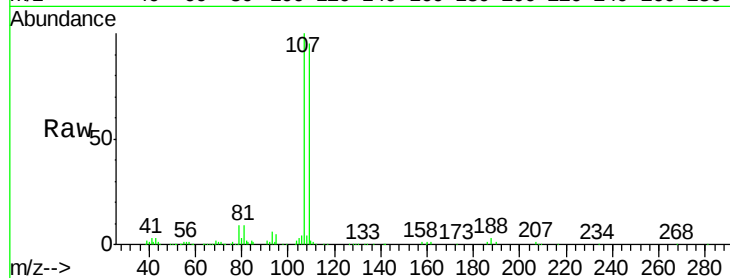
107 100

109 94.8 77.3 115.9

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#62

4-Bromofluorobenzene

Concen: 47.70 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

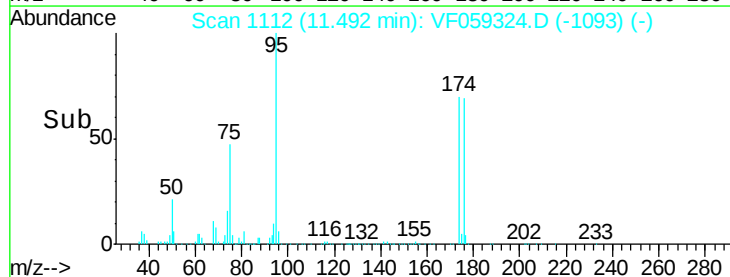
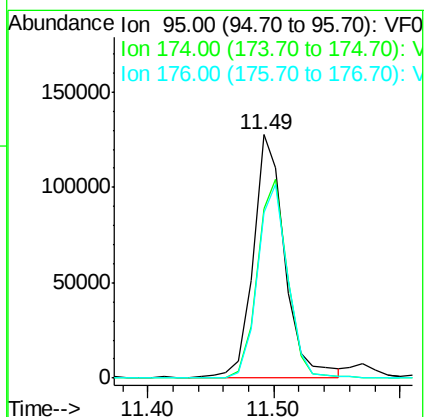
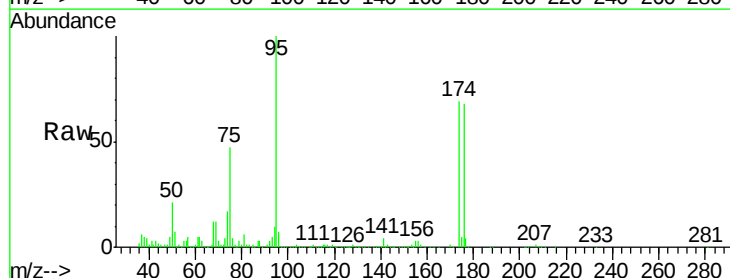
Tgt Ion: 95 Resp: 219305

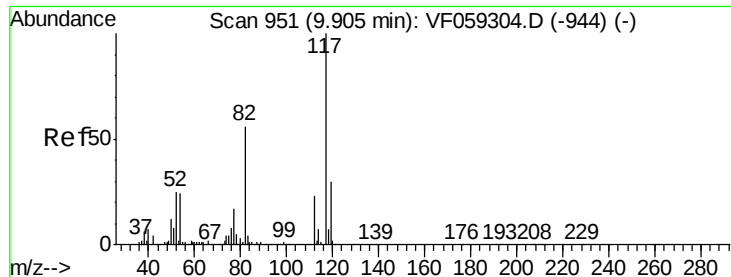
Ion Ratio Lower Upper

95 100

174 69.4 0.0 165.2

176 67.9 0.0 161.0





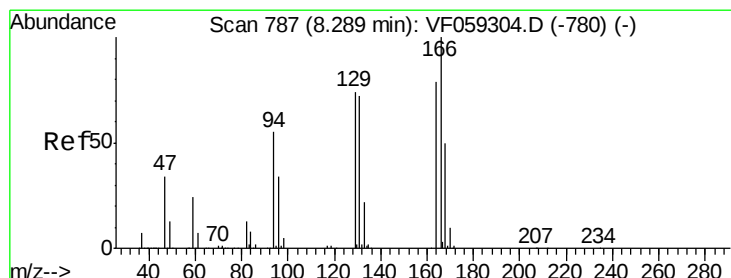
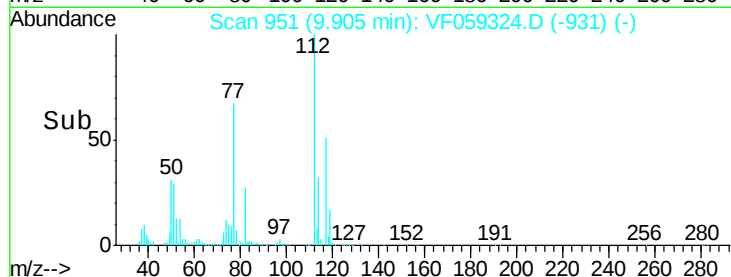
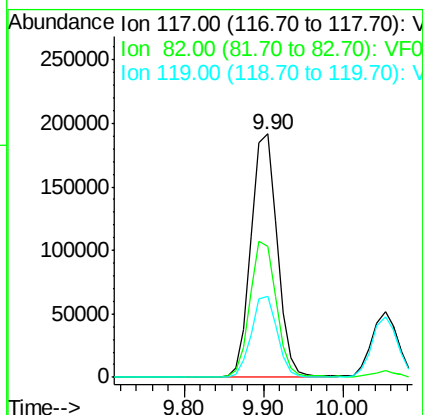
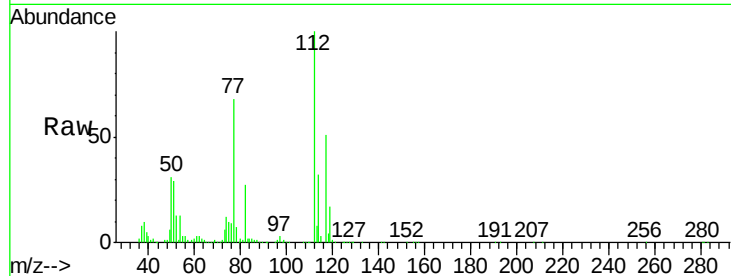
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.6	66.8
119	33.2	24.1	36.1

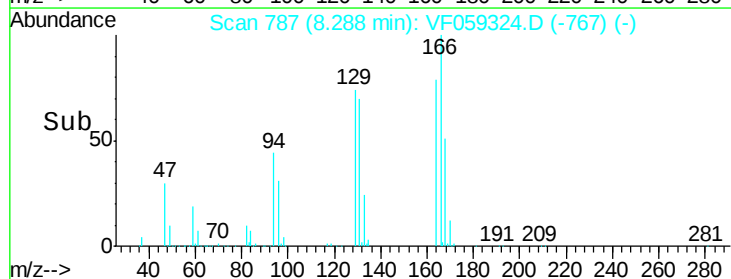
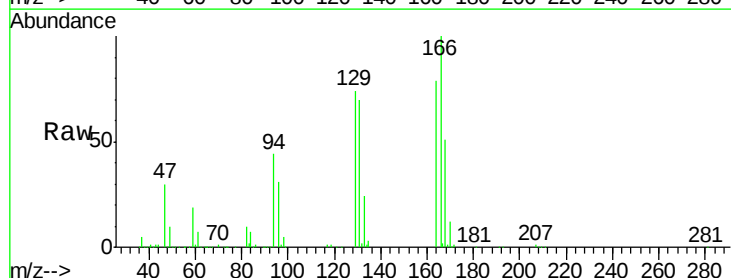
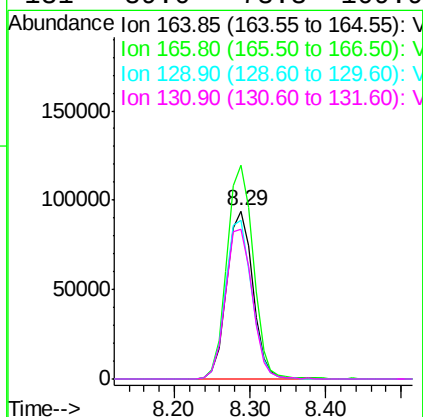
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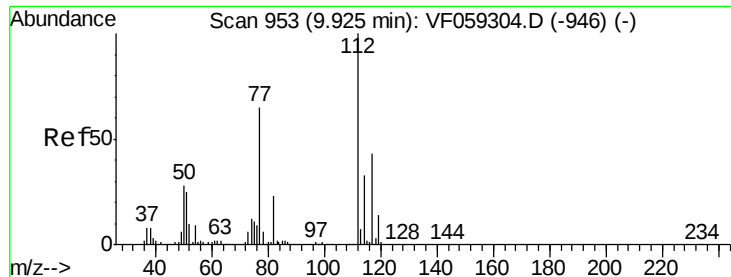
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#64
Tetrachloroethene
Concen: 79.24 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.1	151.7
129	94.6	75.0	112.4
131	89.0	73.3	109.9





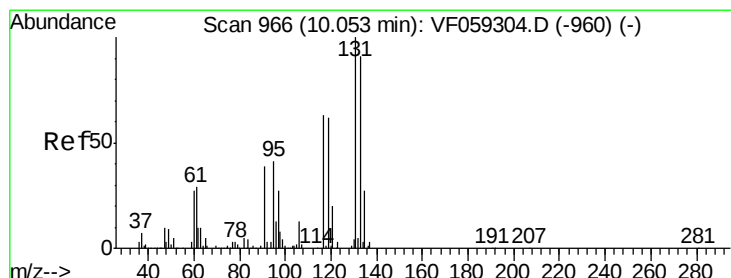
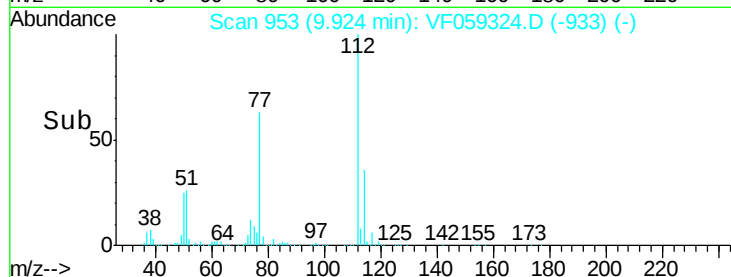
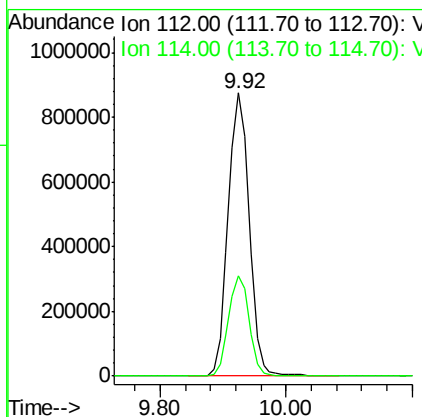
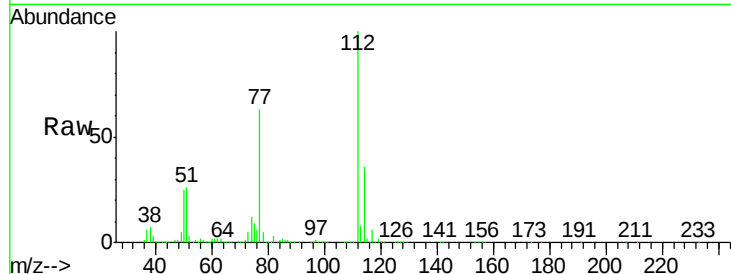
#65
Chlorobenzene
Concen: 251.67 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion:112 Resp: 2026144
Ion Ratio Lower Upper
112 100
114 35.6 26.5 39.7

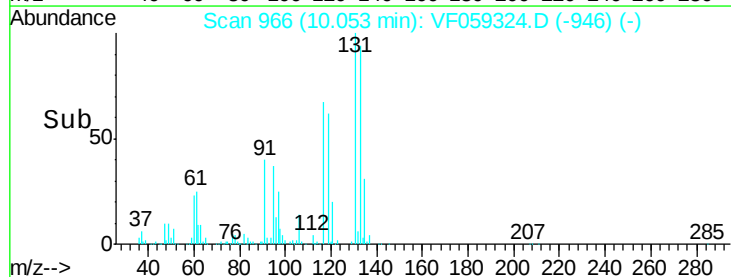
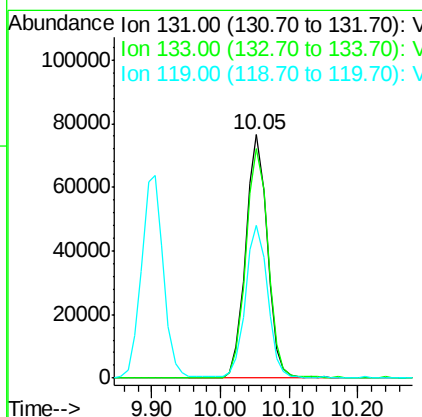
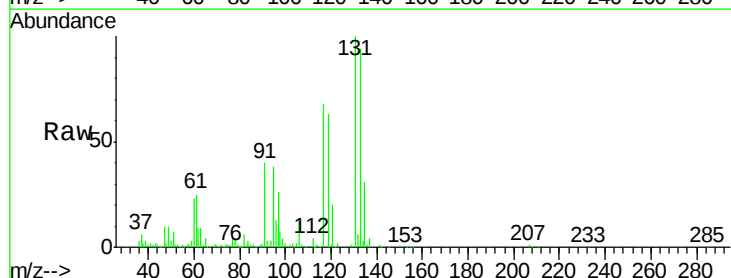
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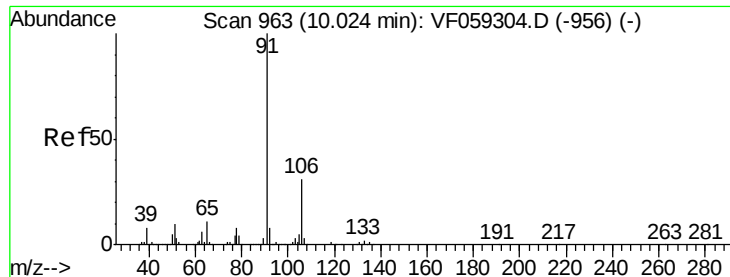
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.06 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion:131 Resp: 167341
Ion Ratio Lower Upper
131 100
133 94.3 45.3 135.9
119 62.9 31.3 93.9





#67

Ethyl Benzene

Concen: 54.17 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 91 Resp: 739770

Ion Ratio Lower Upper

91 100

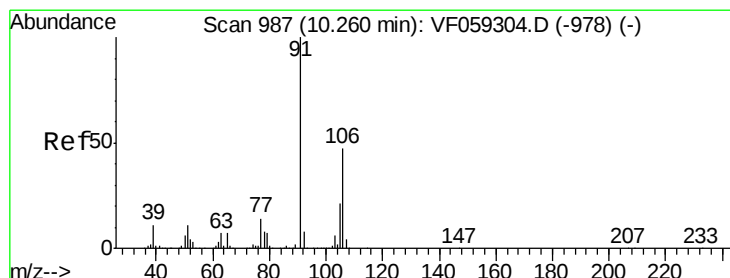
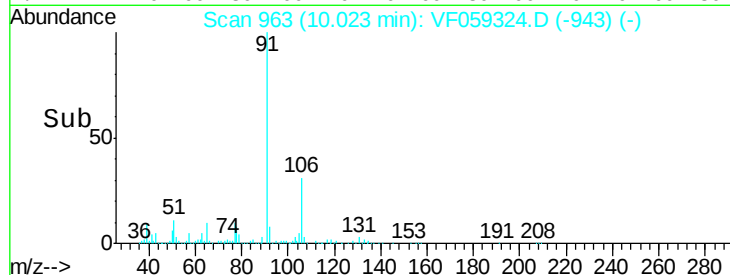
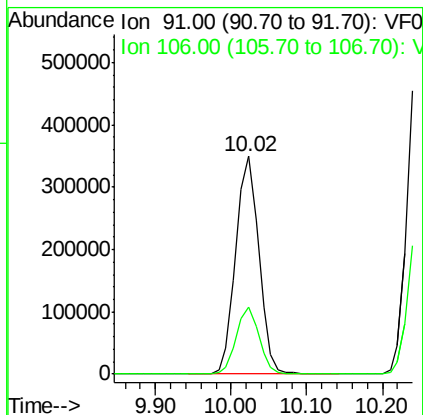
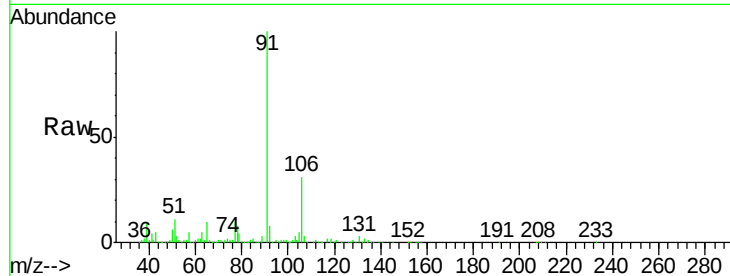
106 30.6 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 121.94 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059324.D

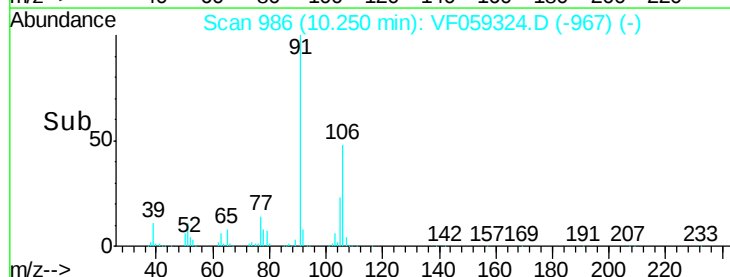
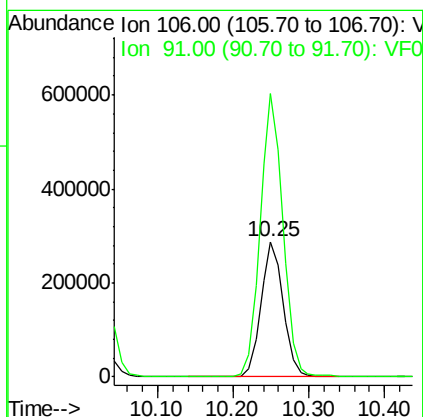
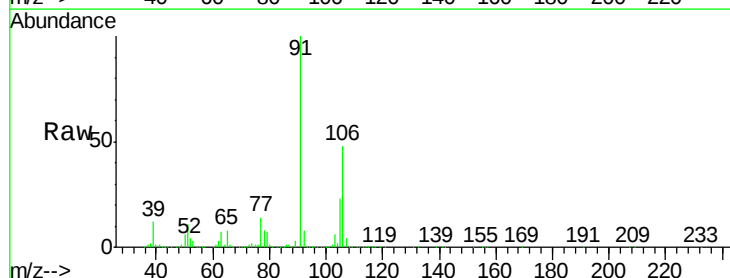
Acq: 26 Jun 2018 18:37

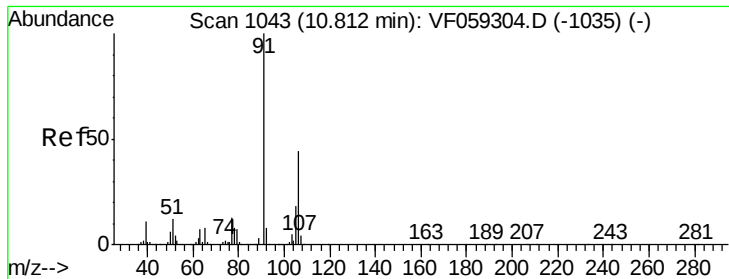
Tgt Ion: 106 Resp: 592777

Ion Ratio Lower Upper

106 100

91 209.1 170.8 256.2





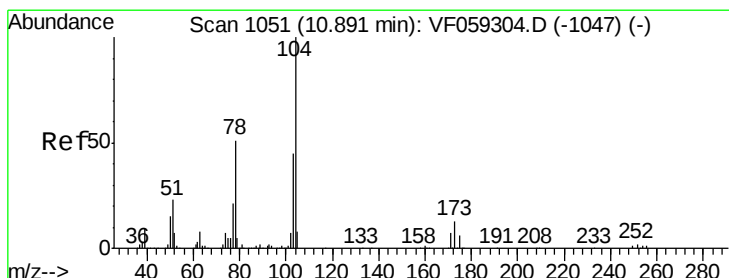
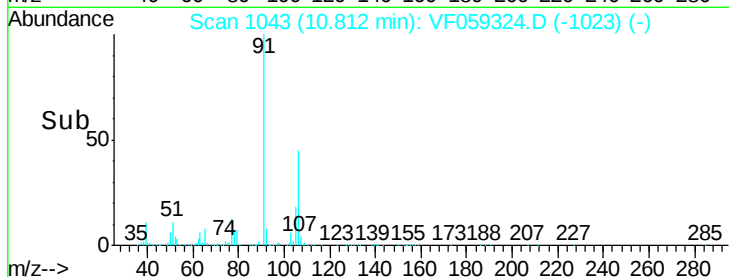
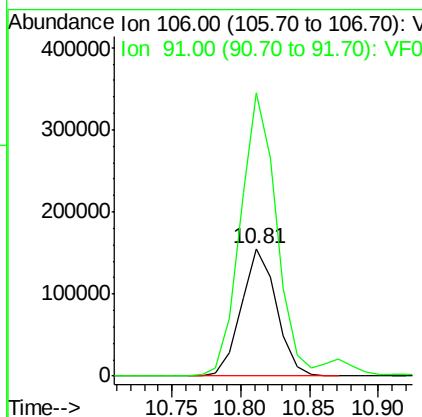
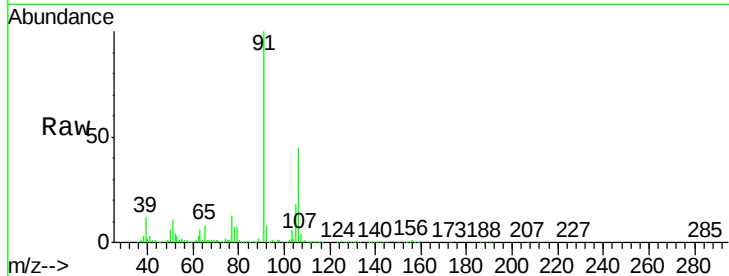
#69
o-Xylene
Concen: 50.87 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.4	114.6	343.6

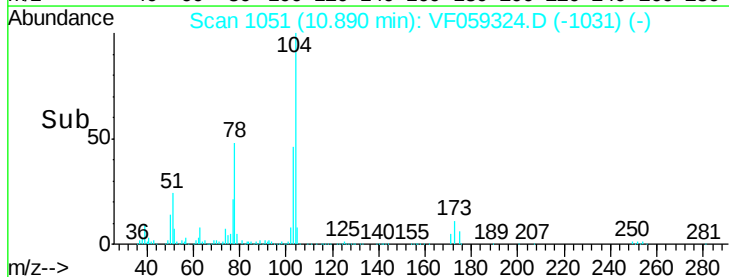
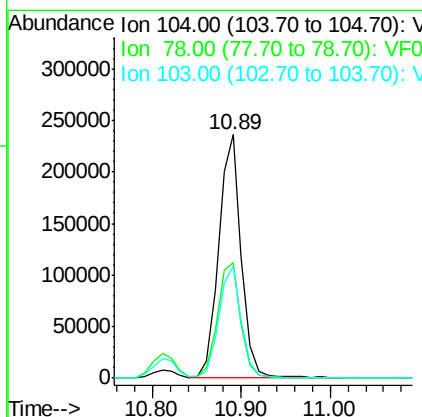
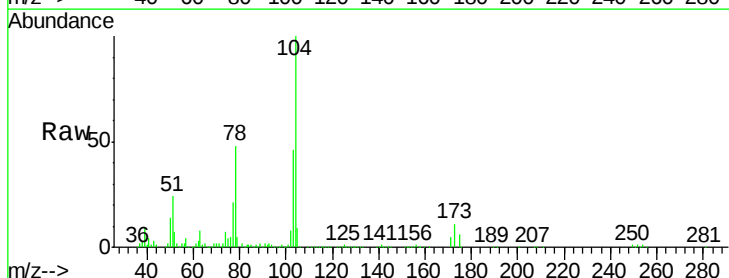
Manual Integrations
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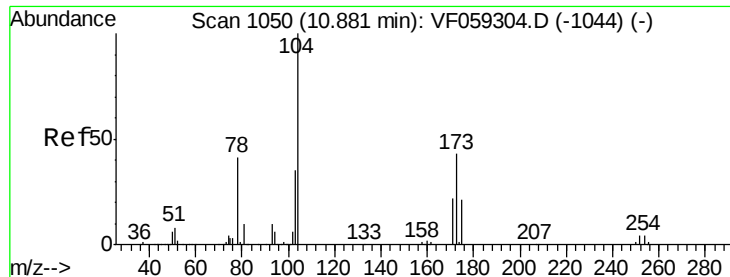
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#70
Styrene
Concen: 50.08 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	40.9	61.3
103	45.7	36.5	54.7





#71

Bromoform

Concen: 54.00 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

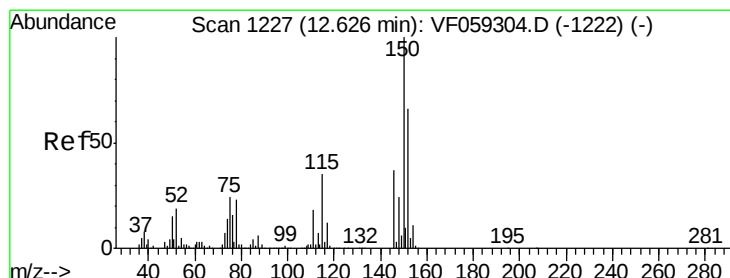
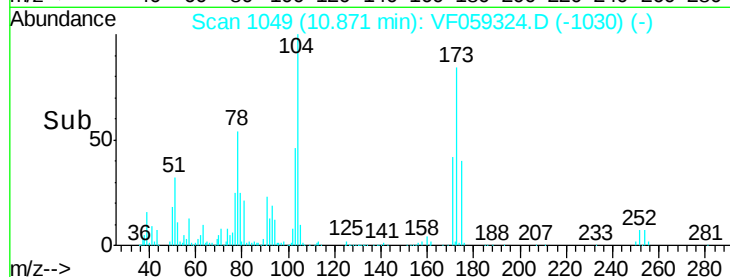
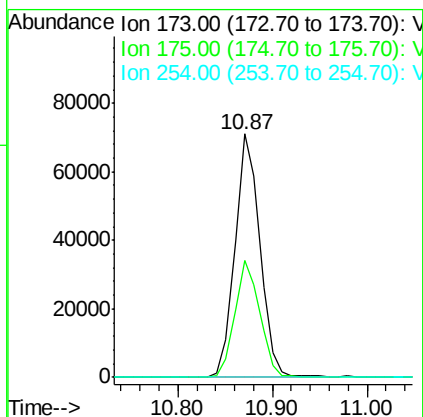
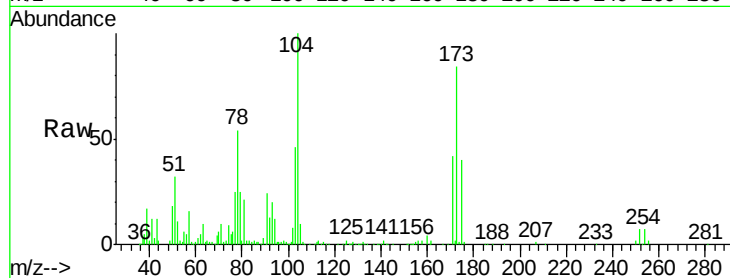
ClientSampleId :

WP021SB472-13-15-180618

Tot Ion:	173	Resp:	128874
Ion Ratio	Lower	Upper	
173	100		
175	47.3	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

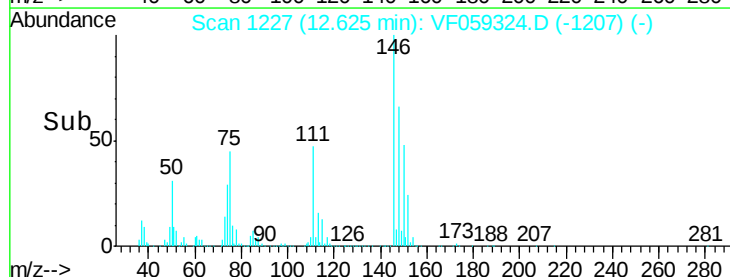
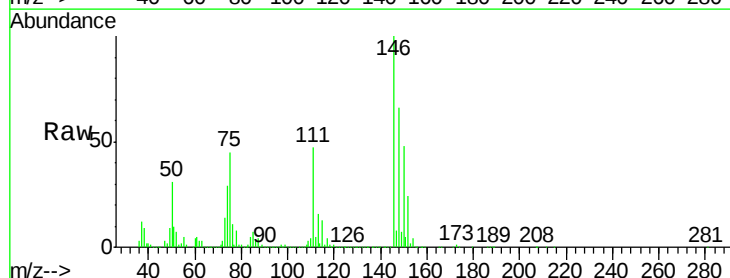
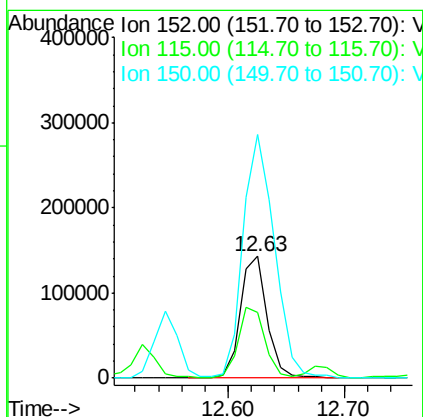
RT: 12.63 min Scan# 1227

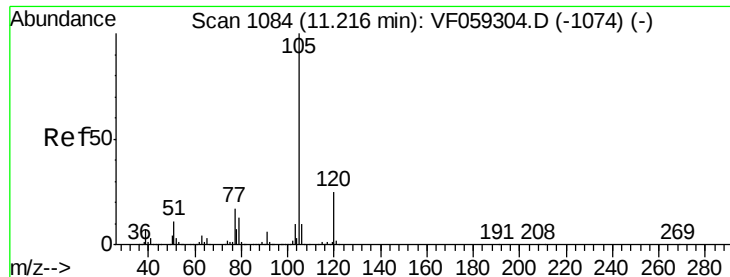
Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion:	152	Resp:	225087
Ion Ratio	Lower	Upper	
152	100		
115	54.5	27.1	81.3
150	200.0	0.0	305.2





#73

Isopropylbenzene

Concen: 59.20 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 105 Resp: 776311

Ion Ratio Lower Upper

105 100

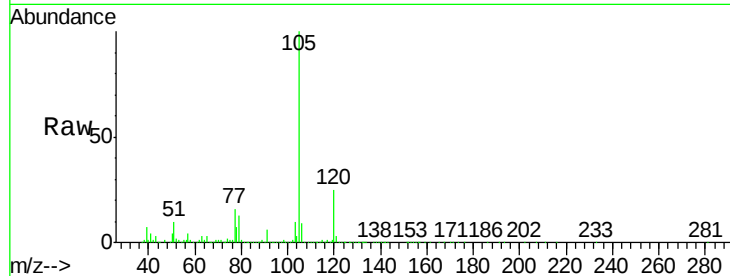
120 24.7 12.3 36.8

Manual Integrations

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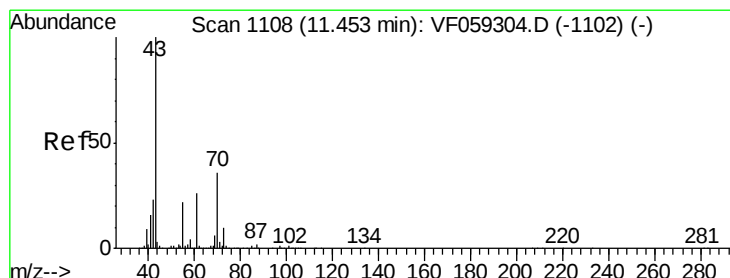
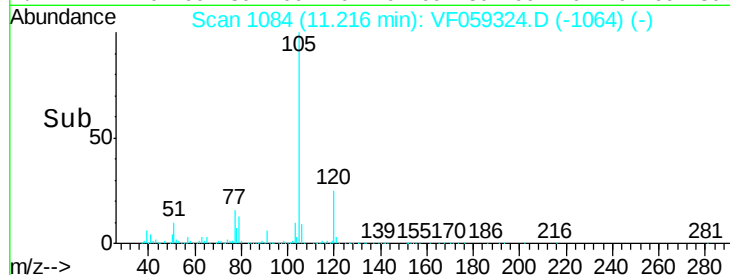
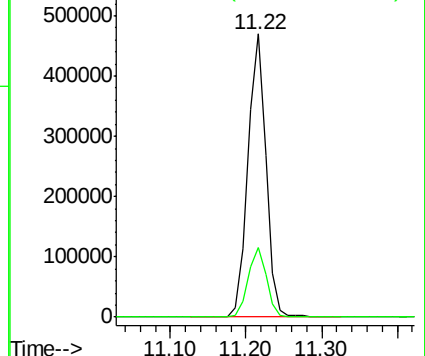
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.56 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion: 43 Resp: 269142

Ion Ratio Lower Upper

43 100

70 37.2 28.8 43.2

55 22.0 17.4 26.0

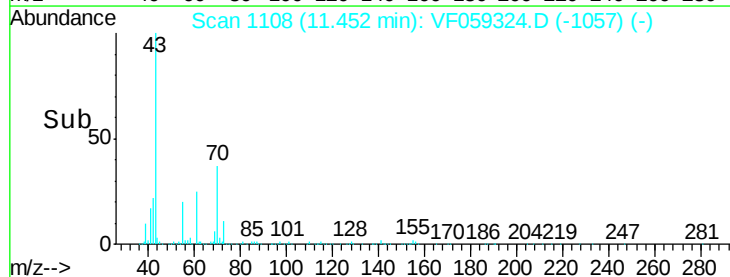
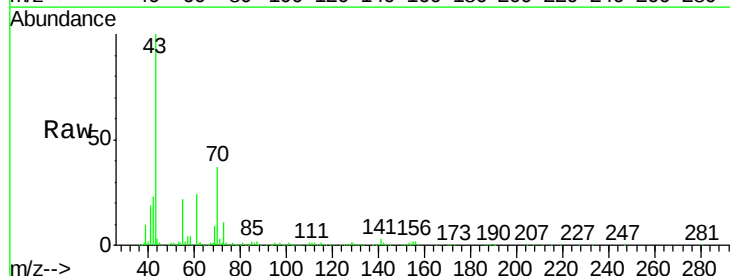
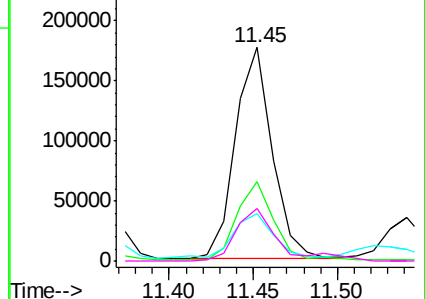
61 24.4 21.1 31.7

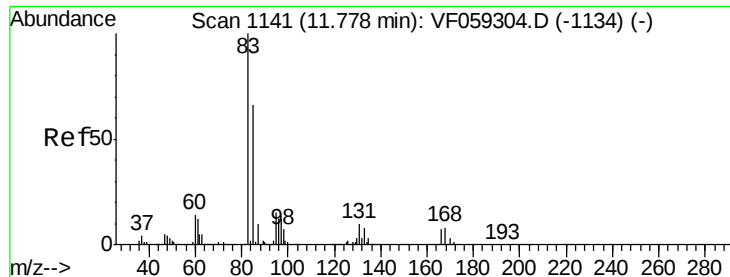
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 56.79 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

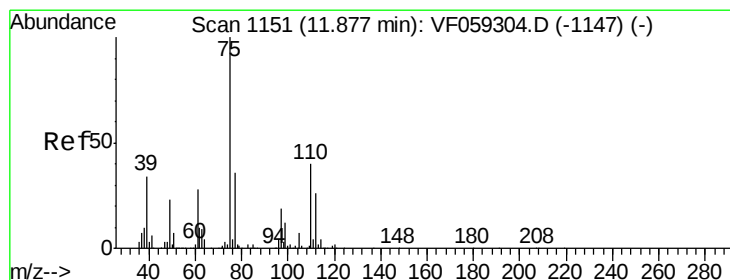
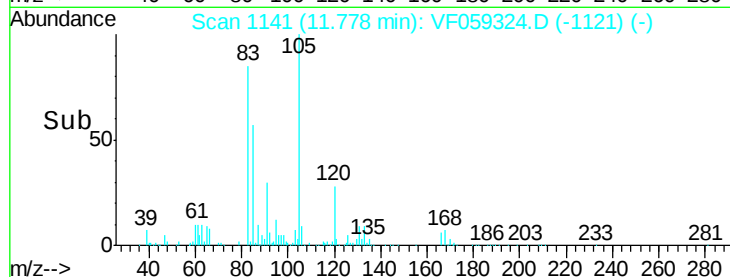
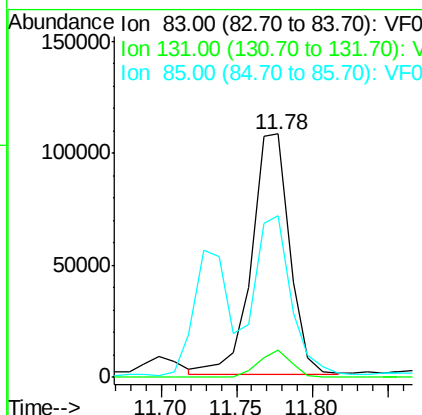
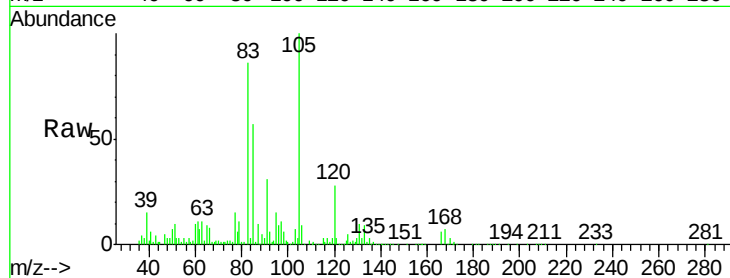
ClientSampleId :

WP021SB472-13-15-180618

Tot Ion:	83	Resp:	188088
Ion Ratio	Lower	Upper	
83	100		
131	11.2	4.9	14.6
85	66.5	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 61.03 ug/l

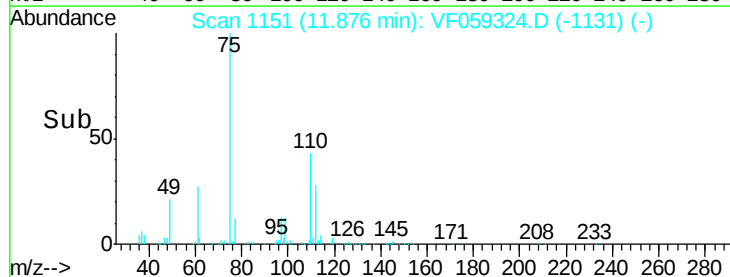
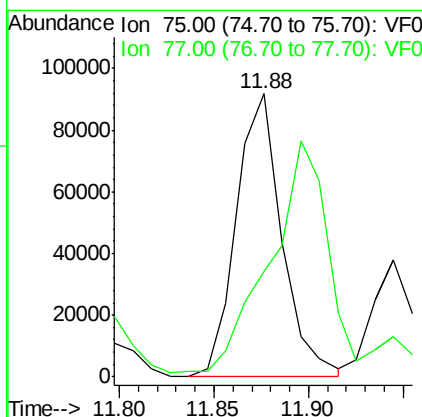
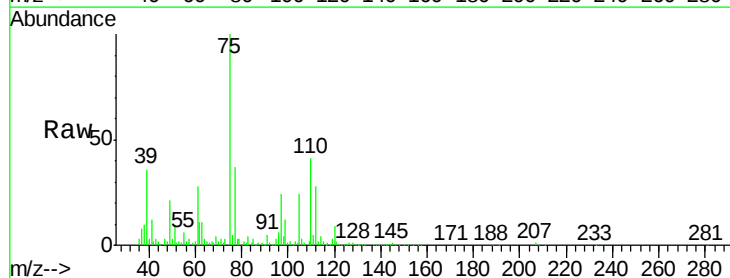
RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion:	75	Resp:	152451
Ion Ratio	Lower	Upper	
75	100		
77	37.4	18.0	54.0





#77

Bromobenzene

Concen: 56.89 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

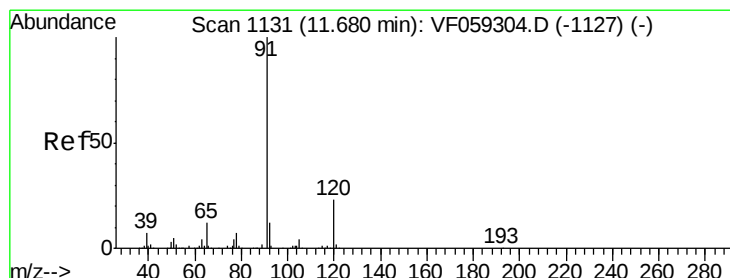
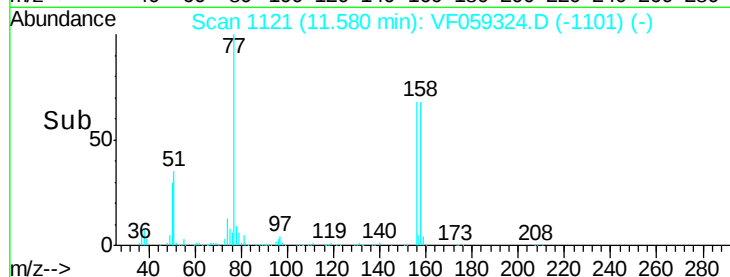
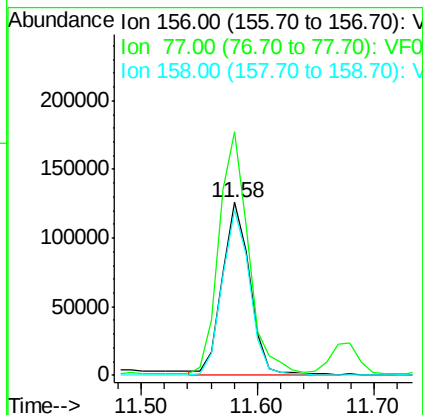
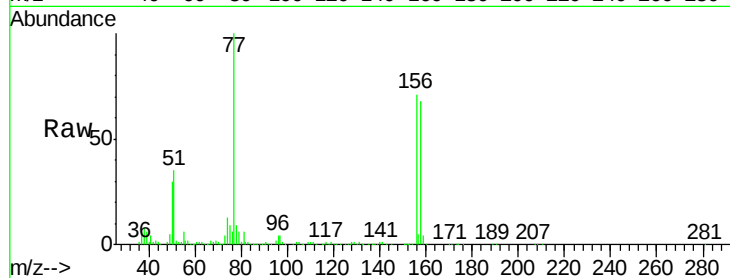
ClientSampleId :

WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.0	79.7	238.9
158	95.8	46.2	138.6

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#78

n-propylbenzene

Concen: 58.75 ug/l

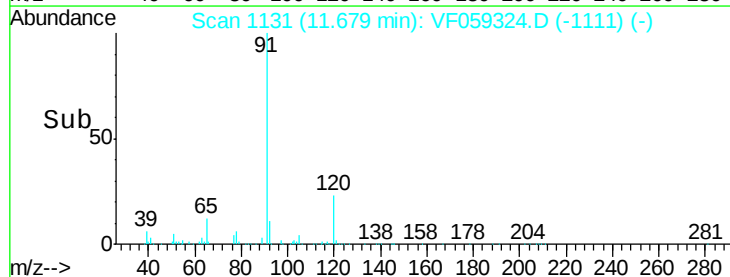
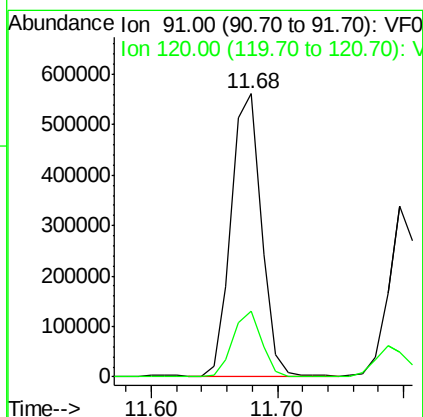
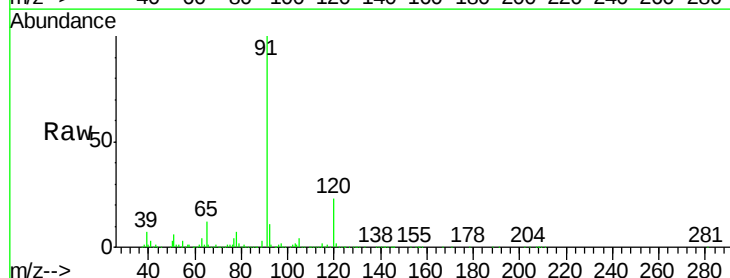
RT: 11.68 min Scan# 1131

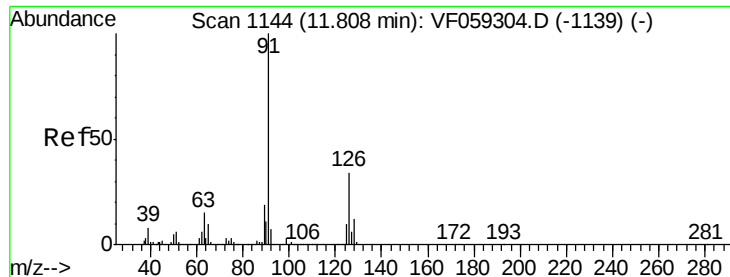
Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.7	35.0





#79

2-Chlorotoluene

Concen: 56.35 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 91 Resp: 542178

Ion Ratio Lower Upper

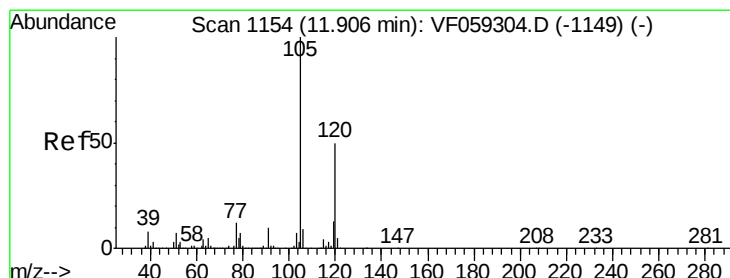
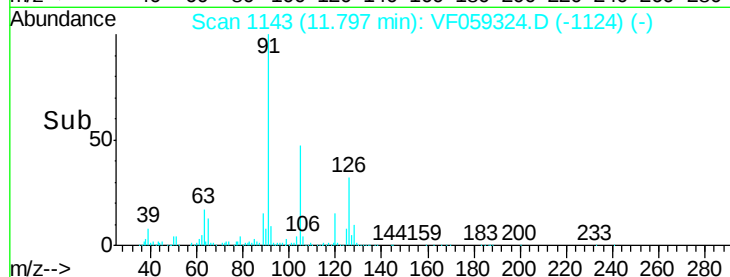
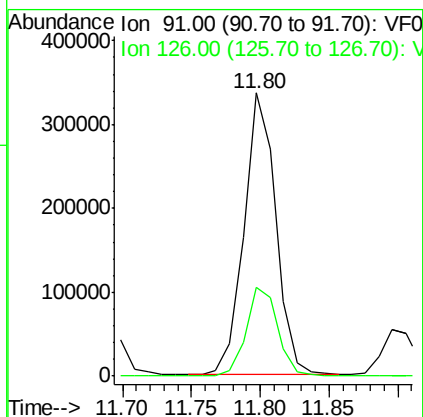
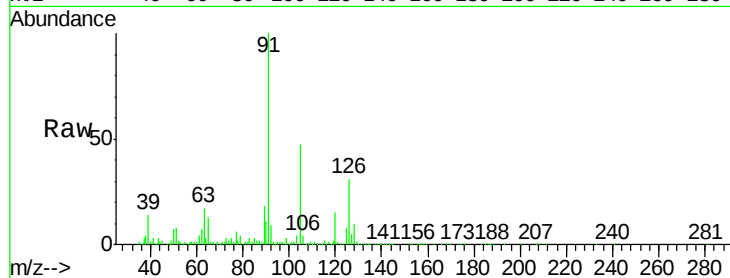
91 100

126 31.4 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 74.19 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059324.D

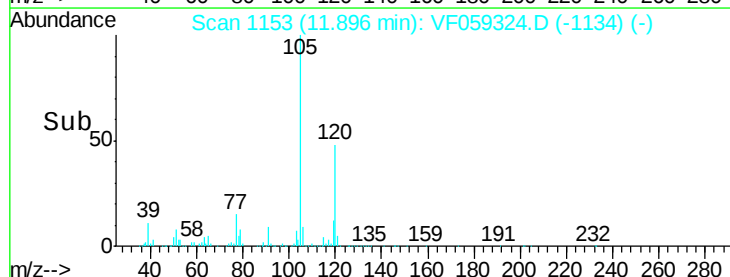
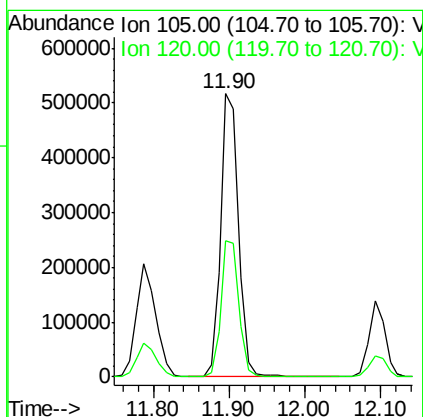
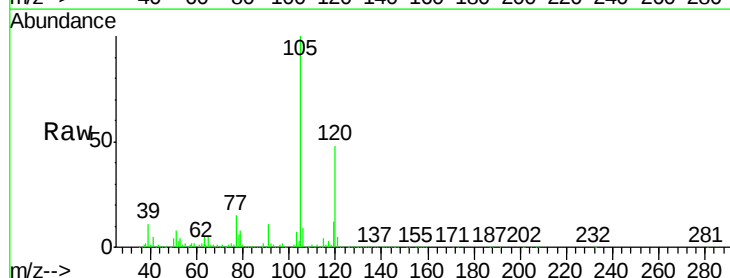
Acq: 26 Jun 2018 18:37

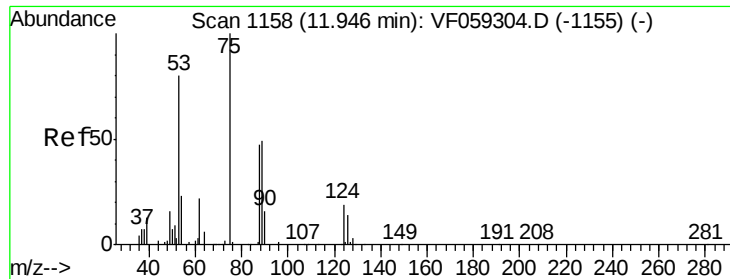
Tgt Ion: 105 Resp: 852183

Ion Ratio Lower Upper

105 100

120 48.1 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 49.09 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059324.D

Acq: 26 Jun 2018 18:37

Instrument :

MSVOA_F

ClientSampleId :

WP021SB472-13-15-180618

Tot Ion: 75 Resp: 72984

Ion Ratio Lower Upper

75 100

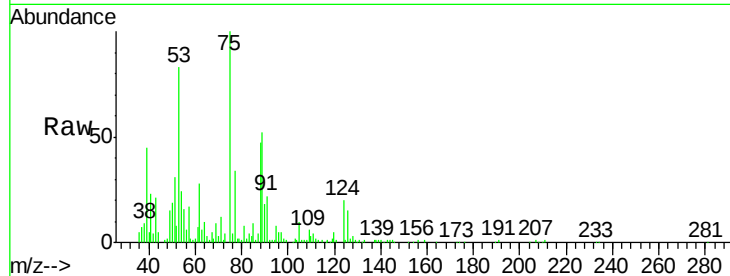
53 83.1 68.8 103.2

89 51.8 42.0 63.0

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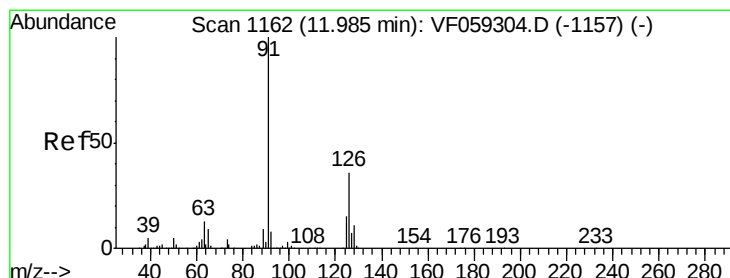
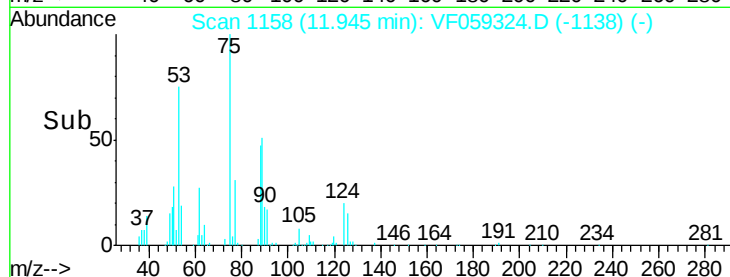
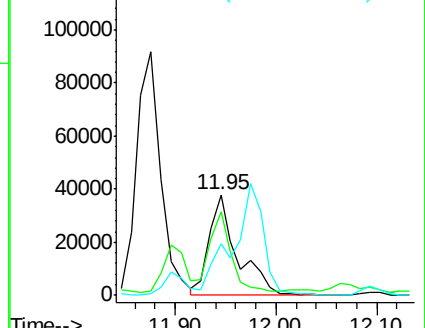
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 53.67 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059324.D

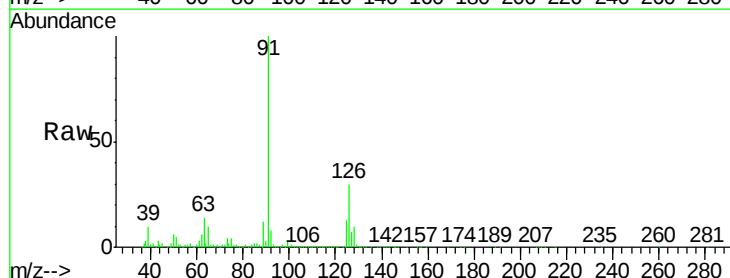
Acq: 26 Jun 2018 18:37

Tgt Ion: 91 Resp: 553122

Ion Ratio Lower Upper

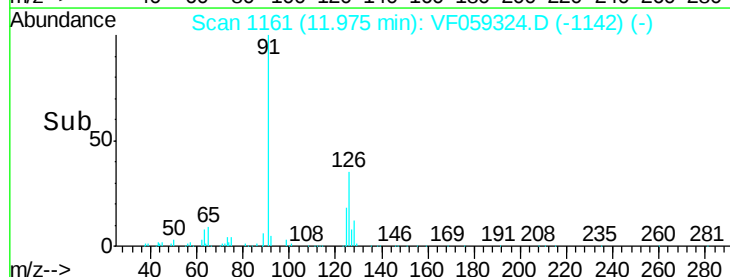
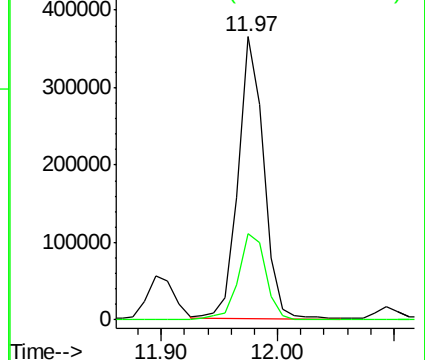
91 100

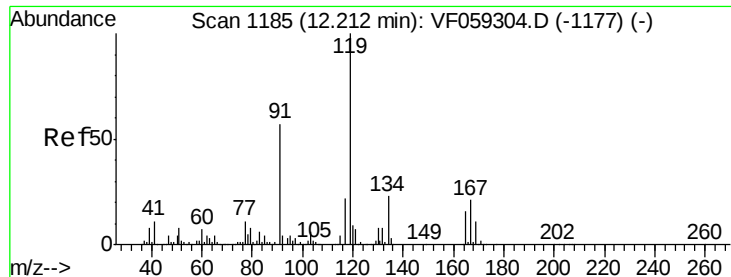
126 30.3 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





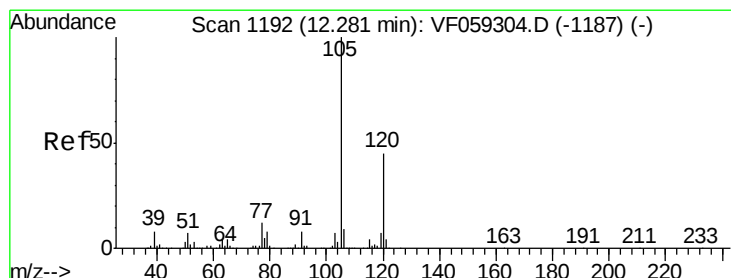
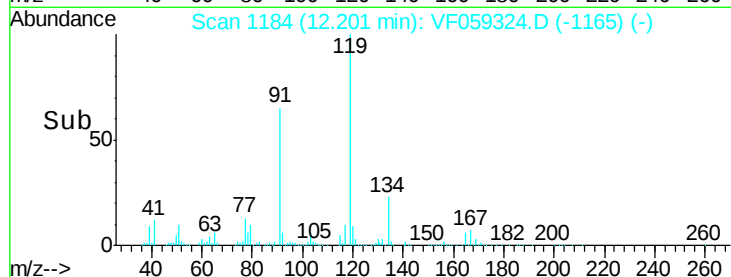
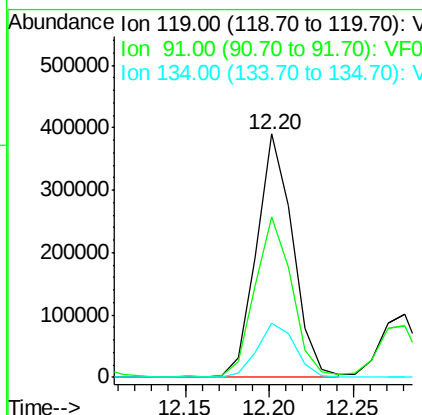
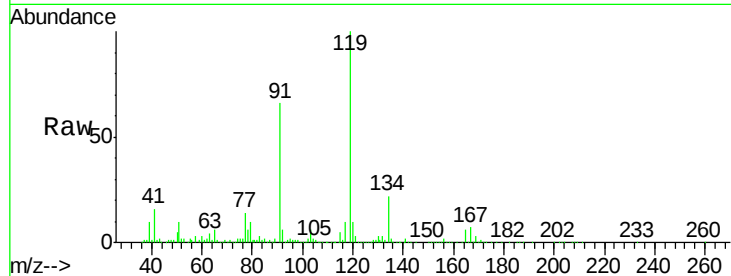
#83
 tert-Butylbenzene
 Concen: 50.74 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

Tot Ion	Ratio	Resp	Lower	Upper
119	100	582910		
91	66.1		28.4	85.2
134	22.5		11.7	35.1

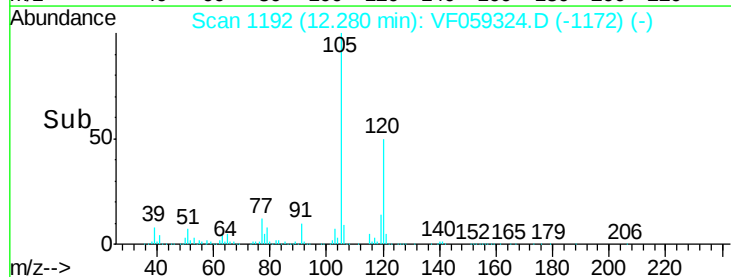
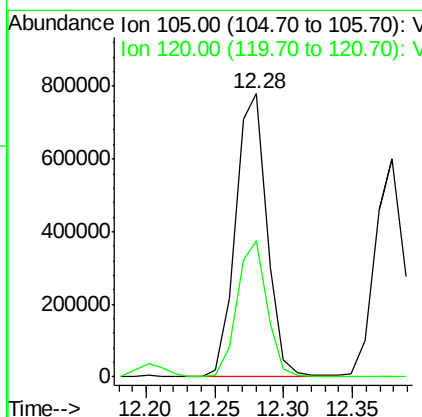
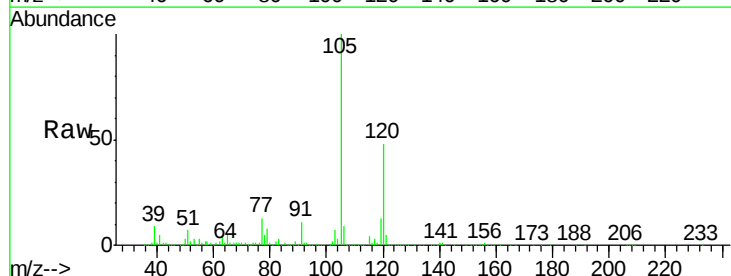
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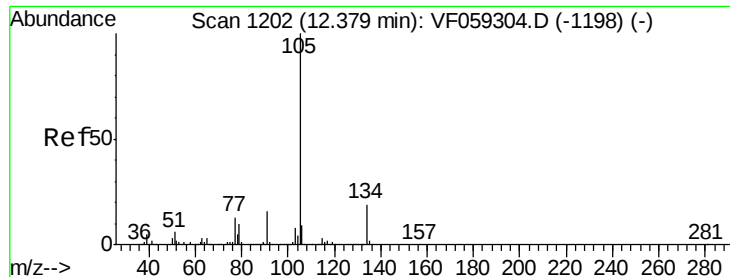
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#84
 1,2,4-Trimethylbenzene
 Concen: 102.24 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1236842		
120	48.3		22.8	68.4





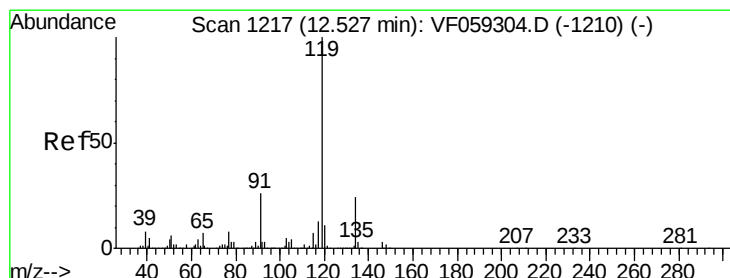
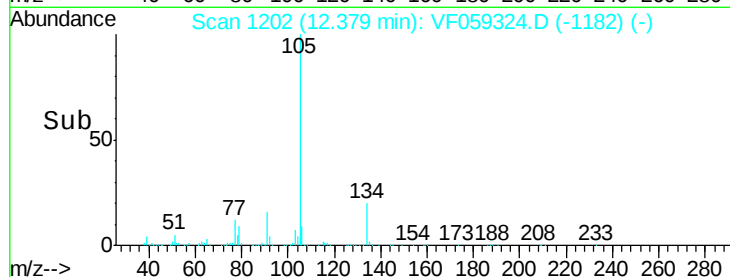
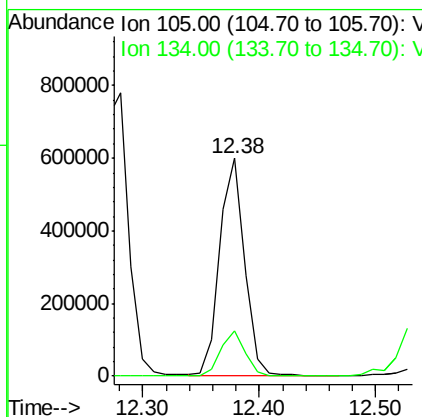
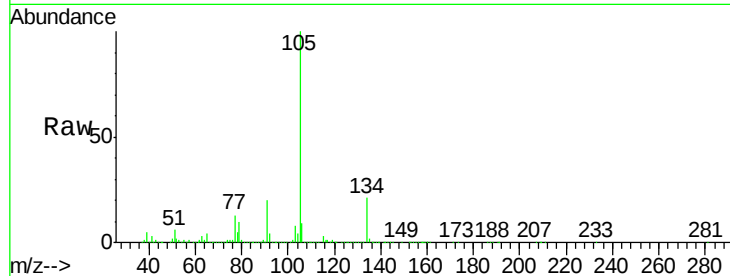
#85
 sec-Butylbenzene
 Concen: 58.32 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	9.4	28.3

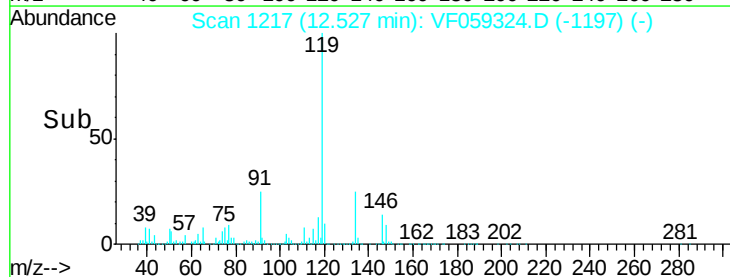
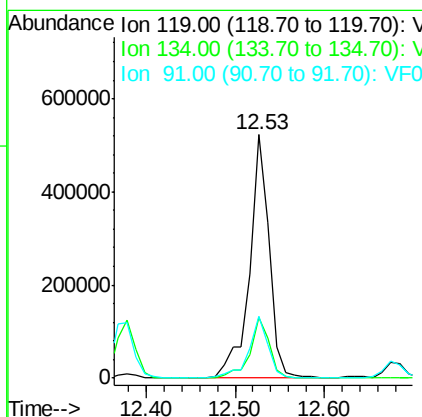
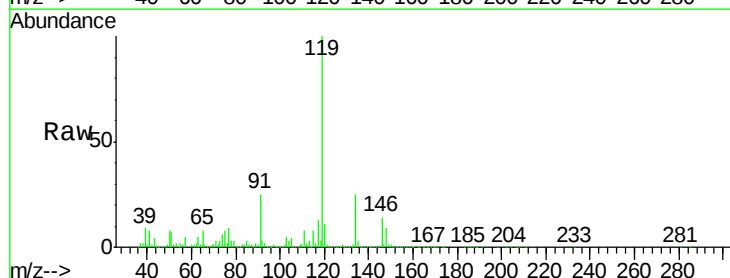
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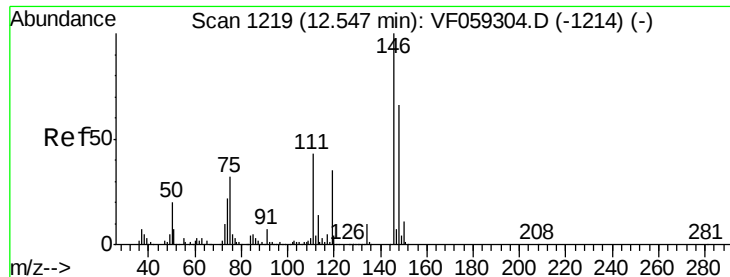
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#86
 p-Isopropyltoluene
 Concen: 61.66 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.2	36.4
91	25.3	12.9	38.6





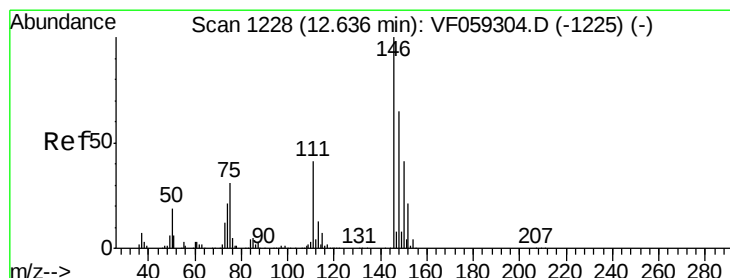
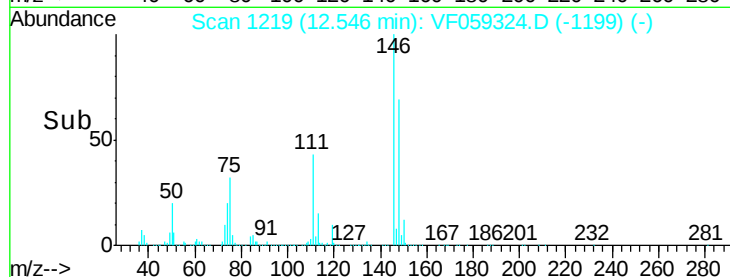
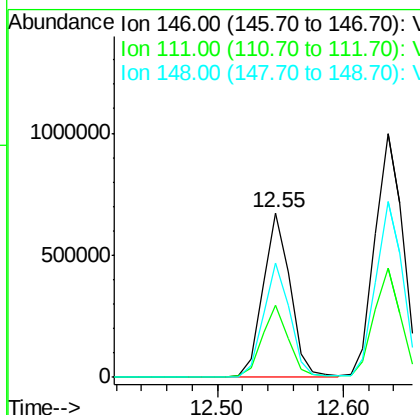
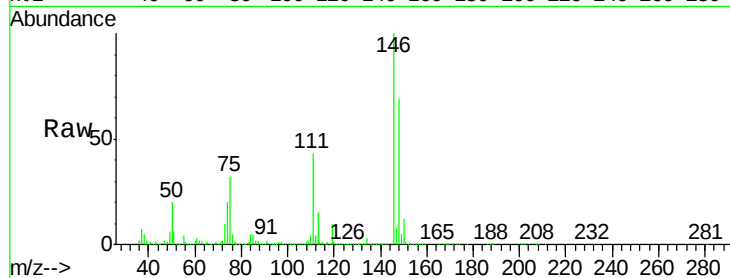
#87
 1,3-Dichlorobenzene
 Concen: 180.35 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.2
148	69.5	32.8	98.4

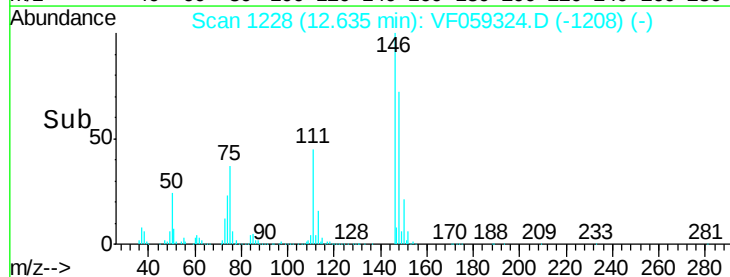
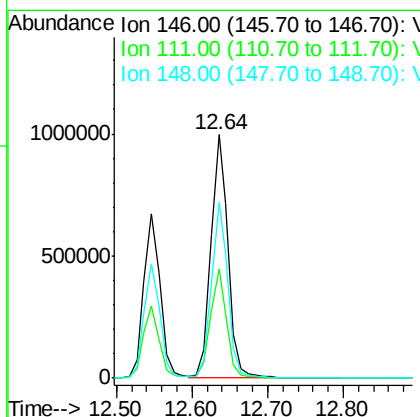
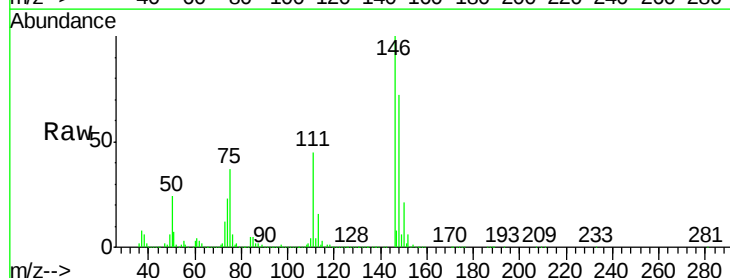
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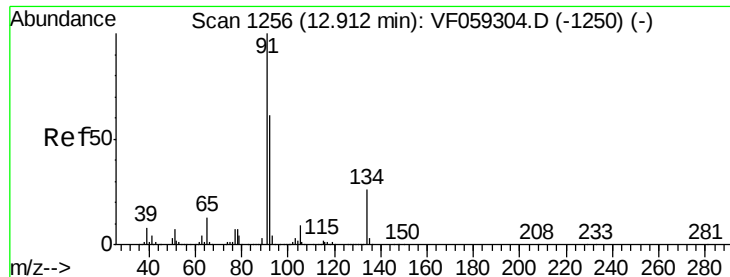
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#88
 1,4-Dichlorobenzene
 Concen: 245.99 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.7	62.1
148	72.4	32.8	98.3





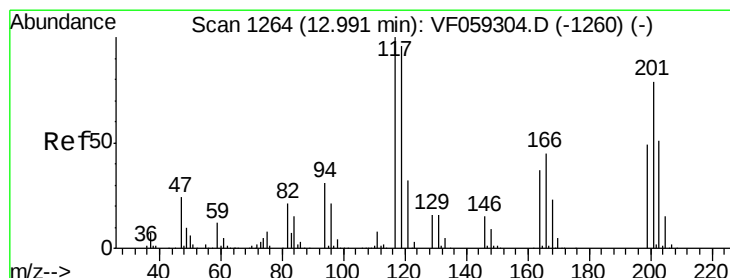
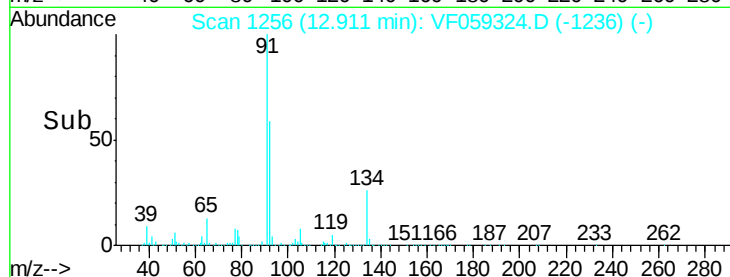
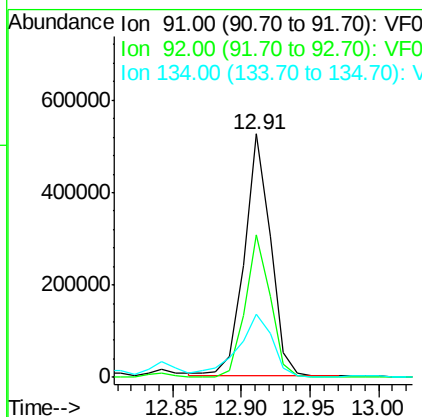
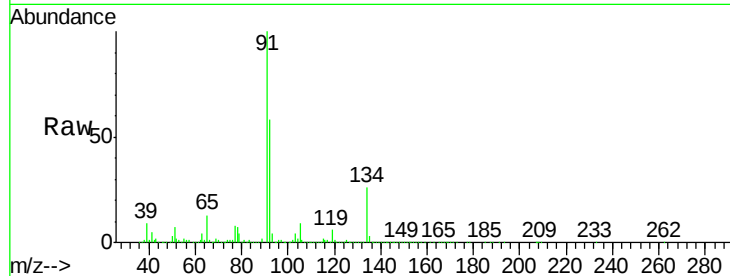
#89
n-Butylbenzene
Concen: 53.99 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.4	30.3	91.0
134	26.1	12.9	38.7

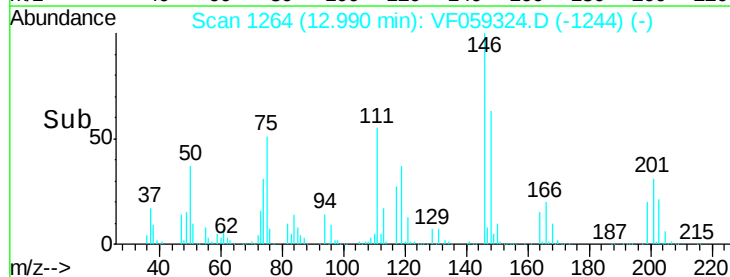
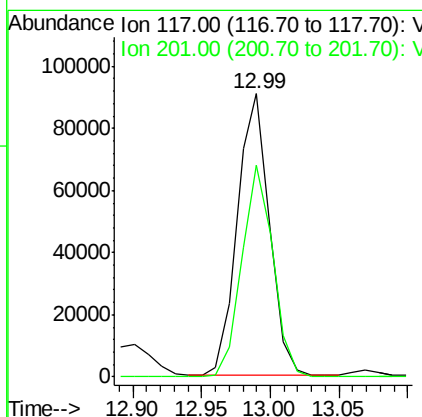
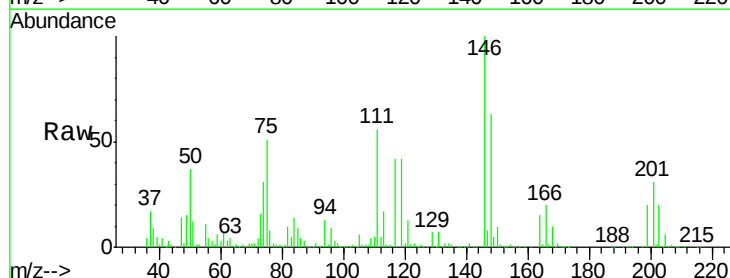
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#90
Hexachloroethane
Concen: 46.02 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	39.5	118.5





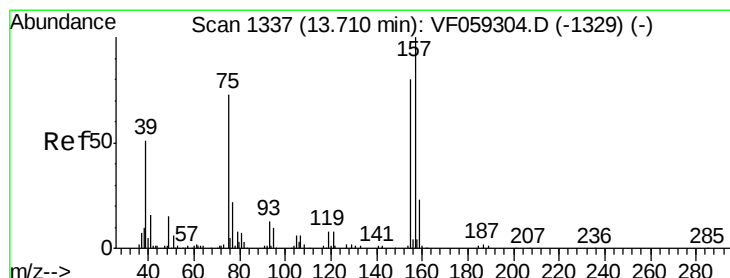
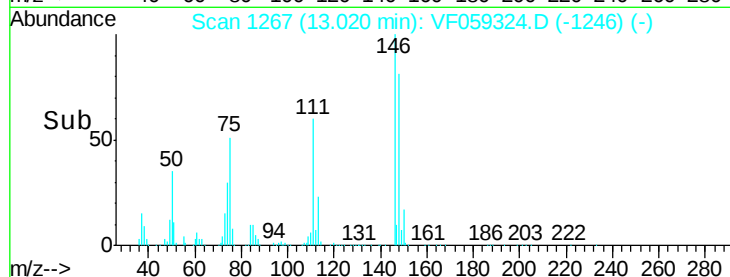
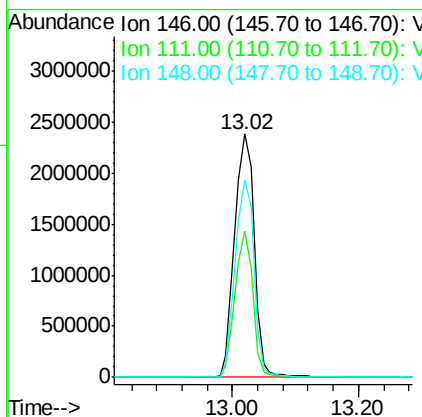
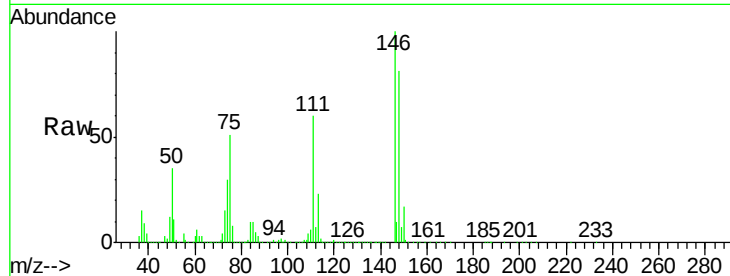
#91
 1,2-Dichlorobenzene
 Concen: 775.29 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

Tot Ion:146 Resp: 5120575
 Ion Ratio Lower Upper
 146 100
 111 59.9 22.7 68.0
 148 81.1 33.5 100.4

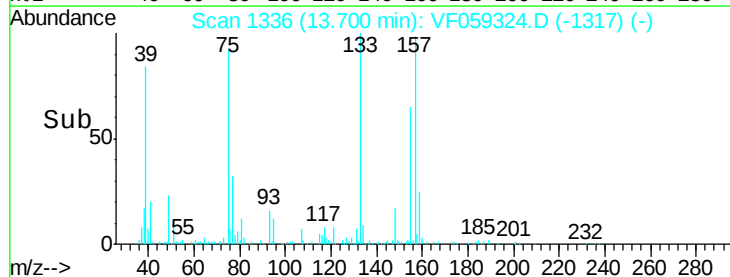
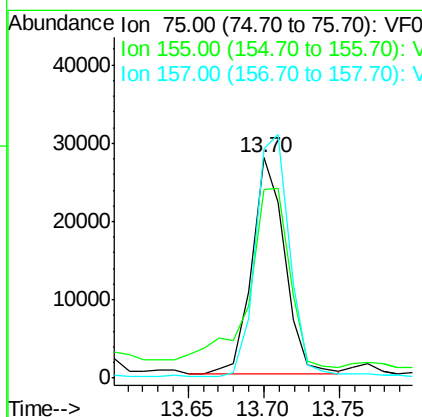
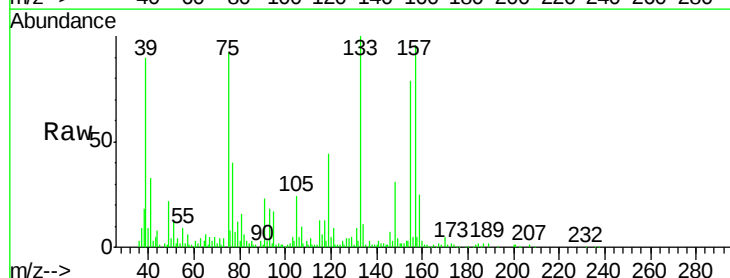
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.15 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion: 75 Resp: 41953
 Ion Ratio Lower Upper
 75 100
 155 85.7 54.6 163.8
 157 104.6 68.7 205.9





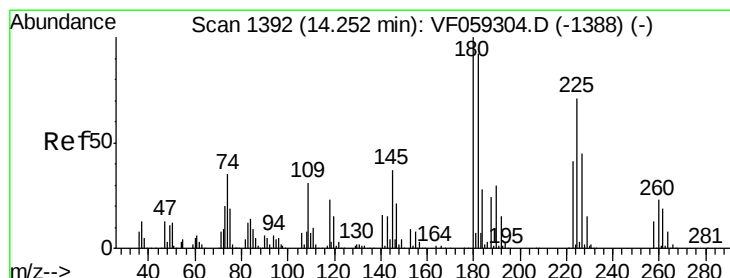
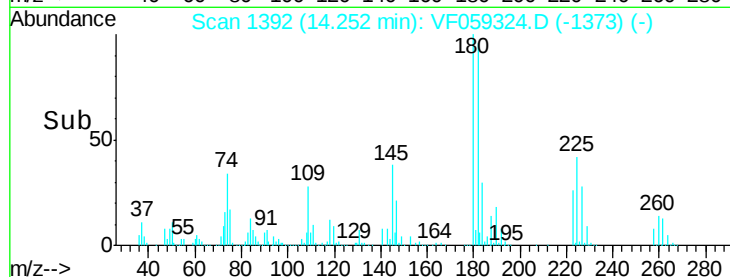
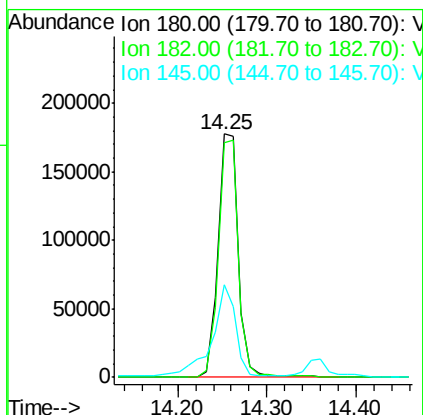
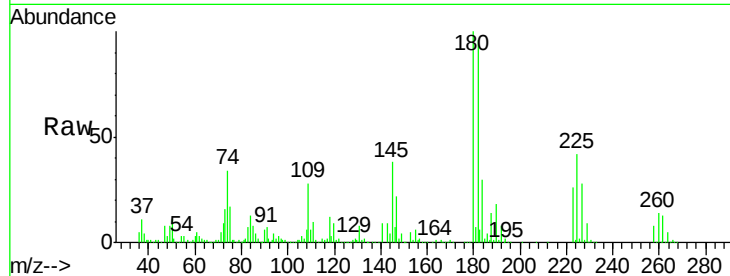
#93
 1,2,4-Trichlorobenzene
 Concen: 58.57 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.3
145	37.9	15.3	45.8

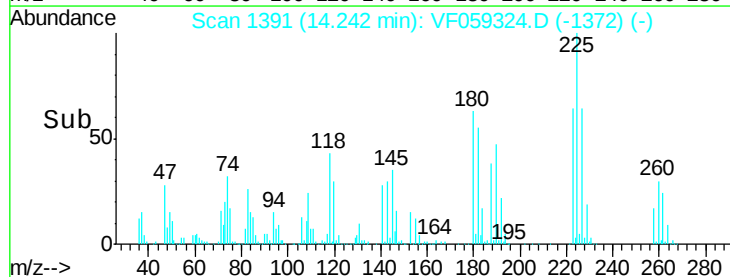
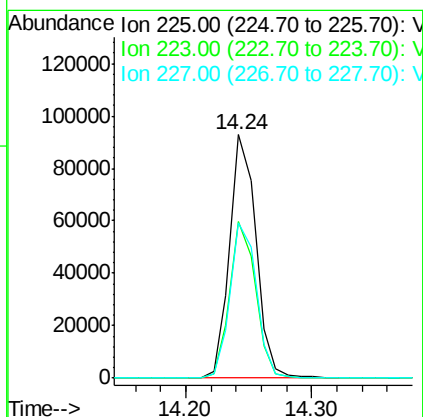
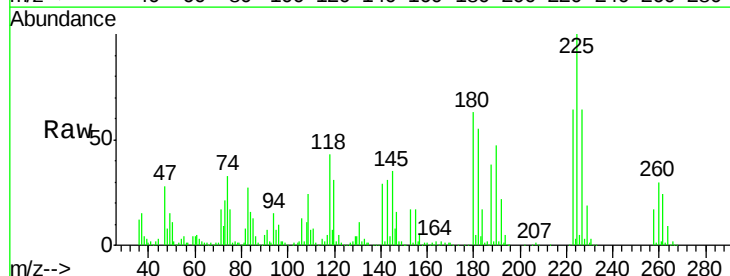
Manual Integrations
 APPROVED

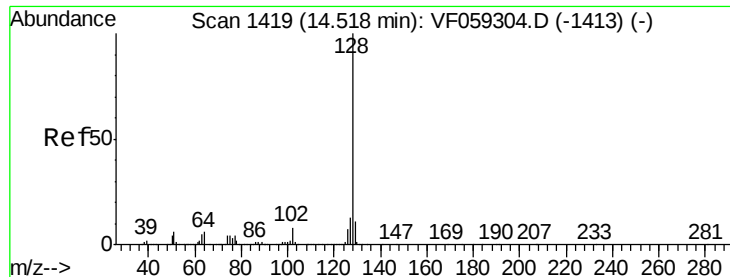
apatel
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#94
 Hexachlorobutadiene
 Concen: 49.14 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059324.D
 Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	28.9	86.8
227	64.0	31.3	93.8





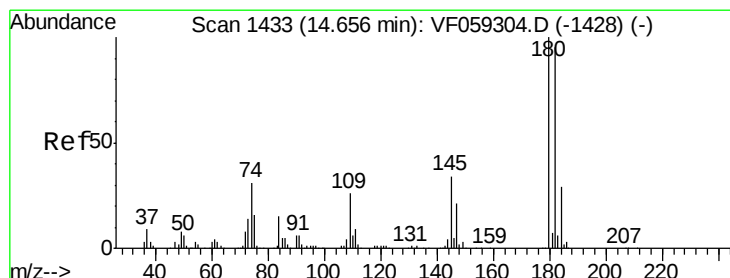
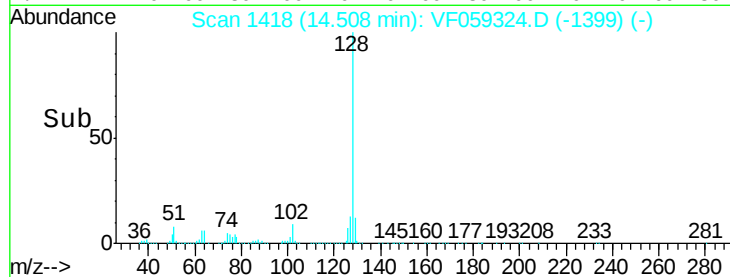
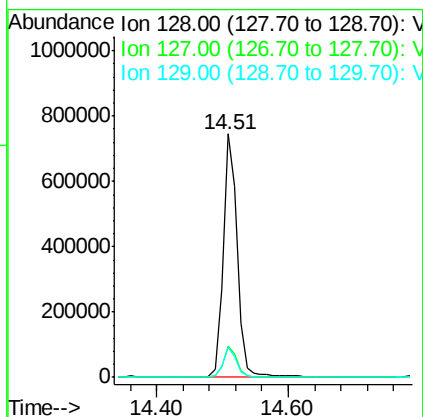
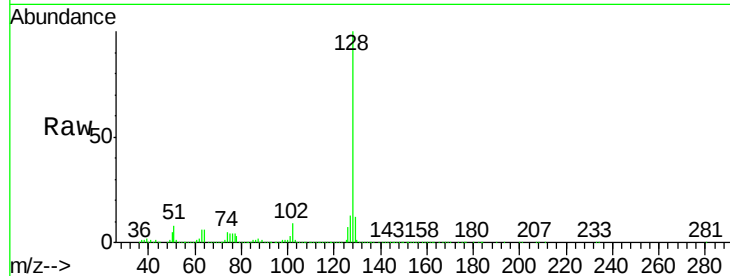
#95
Naphthalene
Concen: 108.80 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Instrument :
MSVOA_F
ClientSampleId :
WP021SB472-13-15-180618

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	12.0	8.8	13.2

Manual Integrations
APPROVED

apatel
6/27/2018 5:48:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.28 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059324.D
Acq: 26 Jun 2018 18:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.5
145	34.1	17.0	50.9

