

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059317.D
 Acq On : 26 Jun 2018 15:22
 Operator : VA/AP
 Sample : J3664-08MSD
 Misc : 5.52g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MSD

Manual Integrations
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 6/27/2018 2:09:13 PM

Quant Time: Jun 27 03:07:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	270697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	419693	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	421612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	245183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	157431	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	
35) Dibromofluoromethane	4.27	113	141550	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
50) Toluene-d8	7.69	98	352221	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
62) 4-Bromofluorobenzene	11.49	95	195482	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	110020	44.48	ug/l	93
3) Chloromethane	1.07	50	74949	45.11	ug/l	98
4) Vinyl Chloride	1.14	62	77546	47.41	ug/l	98
5) Bromomethane	1.33	94	49511	54.27	ug/l	97
6) Chloroethane	1.42	64	38298	46.49	ug/l	98
7) Trichlorofluoromethane	1.47	101	169380m	52.37	ug/l	
8) Diethyl Ether	1.69	74	37257	44.93	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.88	101	89059	47.18	ug/l	99
10) Methyl Iodide	1.95	142	160335	46.58	ug/l	99
11) Tert butyl alcohol	2.66	59	47074	202.18	ug/l	97
12) 1,1-Dichloroethene	1.84	96	79983	50.12	ug/l	93
13) Acrolein	2.07	56	19592	170.31	ug/l	89
14) Allyl chloride	2.17	41	144013	48.07	ug/l	99
15) Acrylonitrile	3.06	53	99887	243.62	ug/l	93
16) Acetone	2.32	43	260068	299.78	ug/l	98
17) Carbon Disulfide	1.85	76	179832	47.90	ug/l	97
18) Methyl Acetate	2.43	43	84054	53.33	ug/l	96
19) Methyl tert-butyl Ether	2.51	73	282508	47.46	ug/l	93
20) Methylene Chloride	2.26	84	90849m	45.68	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	82341	48.37	ug/l	89
22) Diisopropyl ether	2.91	45	305171	46.00	ug/l	98
23) Vinyl Acetate	3.31	43	905477	214.32	ug/l	99
24) 1,1-Dichloroethane	2.98	63	195209	47.46	ug/l	100
25) 2-Butanone	4.47	43	260529	246.21	ug/l	94
26) 2,2-Dichloropropane	3.74	77	138408	48.79	ug/l	92
27) cis-1,2-Dichloroethene	3.61	96	122177	47.27	ug/l	87
28) Bromochloromethane	3.86	49	76997	48.63	ug/l	97
29) Tetrahydrofuran	4.23	42	108434	240.73	ug/l	99
30) Chloroform	4.01	83	275245	46.22	ug/l	97
31) Cyclohexane	3.84	56	130889	48.58	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	209147	48.00	ug/l	98
36) 1,1-Dichloropropene	4.44	75	179733	49.02	ug/l	97
37) Ethyl Acetate	4.26	43	107397	45.66	ug/l	# 65
38) Carbon Tetrachloride	4.14	117	225622m	48.76	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	161715	49.77	ug/l	99
40) Benzene	4.78	78	381973	46.99	ug/l	100
41) Methacrylonitrile	4.90	41	55000	43.98	ug/l	95
42) 1,2-Dichloroethane	5.10	62	226839	47.75	ug/l	99
43) Isopropyl Acetate	7.09	43	135734	44.45	ug/l #	89
44) Trichloroethene	5.65	130	125304	44.93	ug/l	97
45) 1,2-Dichloropropane	6.38	63	113697	48.95	ug/l	99
46) Dibromomethane	6.23	93	94205	46.73	ug/l	98
47) Bromodichloromethane	6.52	83	233559	47.86	ug/l	96
48) Methyl methacrylate	6.85	41	97956	47.86	ug/l	93
49) 1,4-Dioxane	6.84	88	9547	868.61	ug/l #	70
51) 4-Methyl-2-Pentanone	8.38	43	532401	235.32	ug/l	100
52) Toluene	7.76	92	284636	46.79	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	210808	47.39	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	228683	47.33	ug/l	98
55) 1,1,2-Trichloroethane	8.61	97	110997	47.00	ug/l	95
56) Ethyl methacrylate	8.74	69	137256	46.91	ug/l	96
57) 1,3-Dichloropropane	8.98	76	185866	45.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	50223	228.89	ug/l	100
59) 2-Hexanone	9.61	43	437494	257.93	ug/l	98
60) Dibromochloromethane	8.84	129	174868	47.96	ug/l	96
61) 1,2-Dibromoethane	9.12	107	132182	46.15	ug/l	97
64) Tetrachloroethene	8.28	164	137698	50.36	ug/l	97
65) Chlorobenzene	9.92	112	362198	46.36	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.04	131	153150	45.32	ug/l	91
67) Ethyl Benzene	10.01	91	611050	46.10	ug/l	99
68) m/p-Xylenes	10.25	106	448369	95.05	ug/l	95
69) o-Xylene	10.81	106	251582	47.68	ug/l	91
70) Styrene	10.88	104	370672	46.12	ug/l	95
71) Bromoform	10.87	173	111189	48.01	ug/l #	95
73) Isopropylbenzene	11.21	105	715741	50.11	ug/l	99
74) N-amyl acetate	11.44	43	244619	47.19	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	175279	48.59	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	132565	48.72	ug/l	93
77) Bromobenzene	11.58	156	187628	47.35	ug/l	84
78) n-propylbenzene	11.67	91	838170	48.86	ug/l	96
79) 2-Chlorotoluene	11.80	91	515624	49.20	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	614491	49.11	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	79235	48.92	ug/l	92
82) 4-Chlorotoluene	11.98	91	544666	48.52	ug/l	95
83) tert-Butylbenzene	12.20	119	617790	49.37	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	637729	48.40	ug/l	100
85) sec-Butylbenzene	12.37	105	813395	49.04	ug/l	99
86) p-Isopropyltoluene	12.53	119	670662	48.18	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	341565	52.43	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	329188	46.51	ug/l	96
89) n-Butylbenzene	12.90	91	662480	46.88	ug/l	99
90) Hexachloroethane	12.98	117	165526	47.71	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	340165	47.28	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	39571	49.48	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	249695	46.94	ug/l	98
94) Hexachlorobutadiene	14.24	225	132914	44.73	ug/l	92
95) Naphthalene	14.51	128	550241	49.44	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	236049	46.84	ug/l	96

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

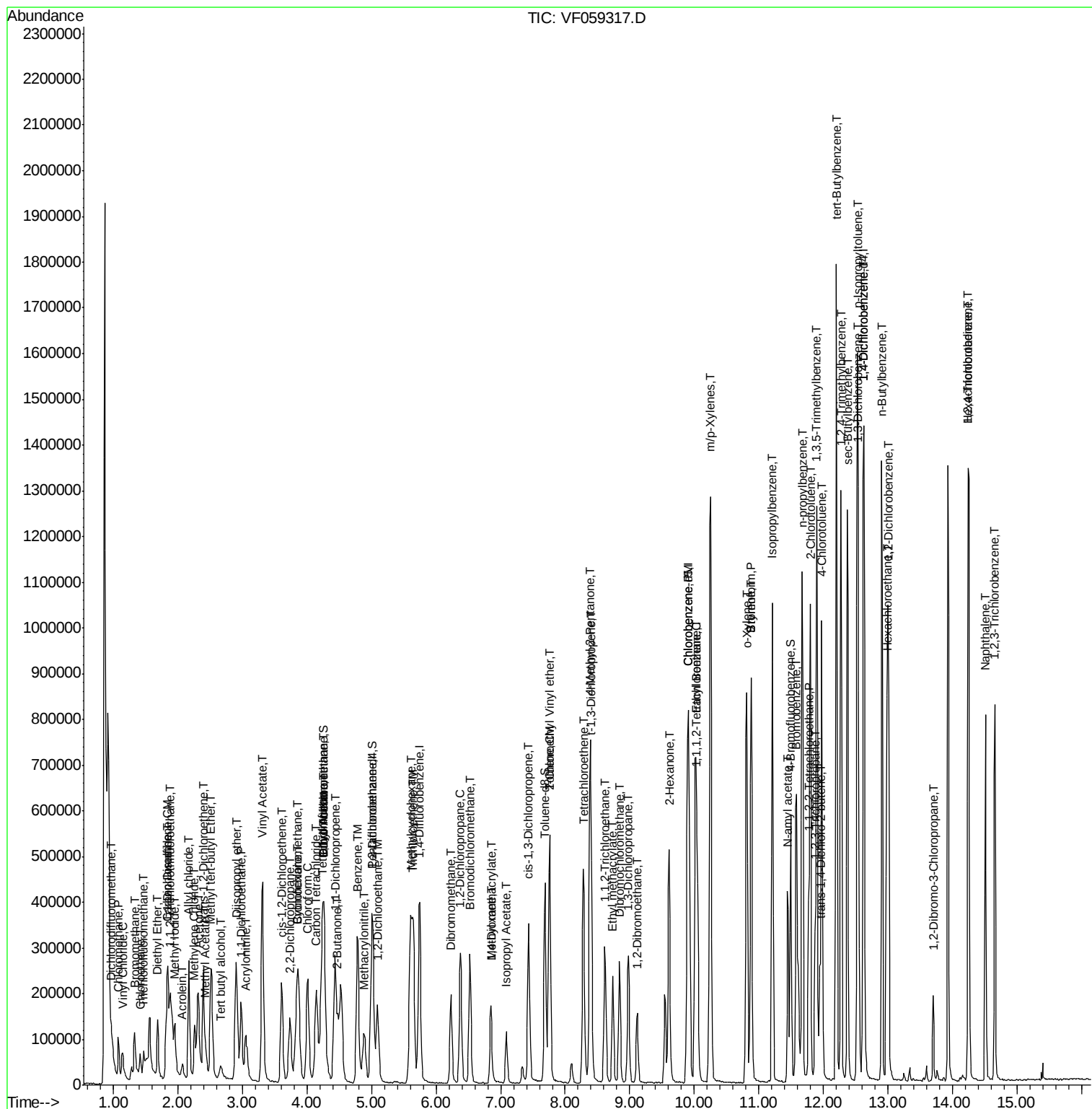
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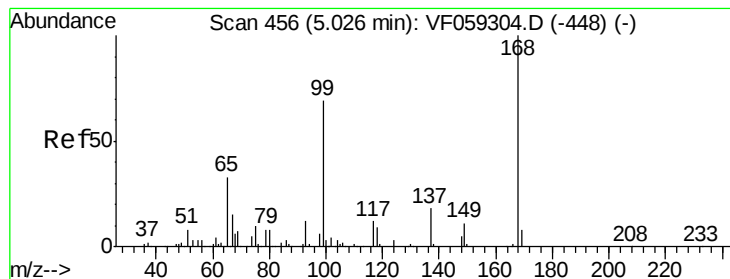
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:168 Resp: 270697

Ion Ratio Lower Upper

168 100

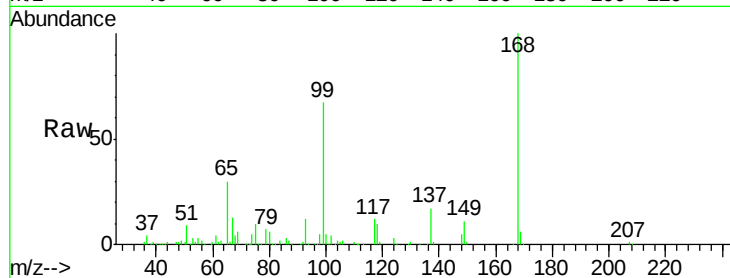
99 66.8 54.9 82.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

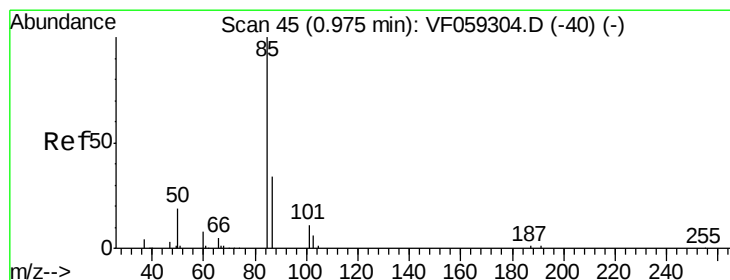
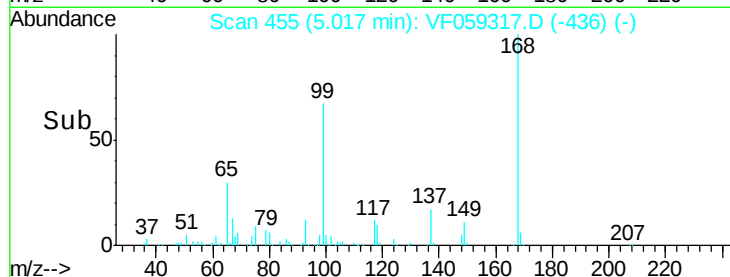
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.48 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059317.D

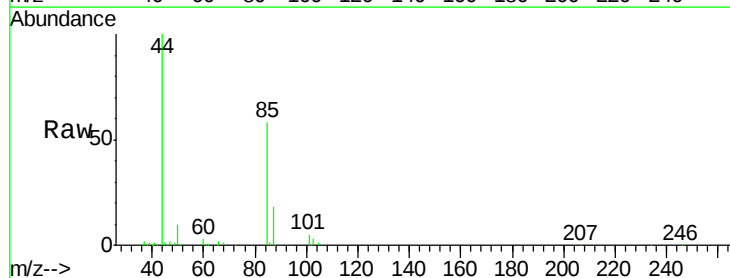
Acq: 26 Jun 2018 15:22

Tgt Ion: 85 Resp: 110020

Ion Ratio Lower Upper

85 100

87 30.0 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

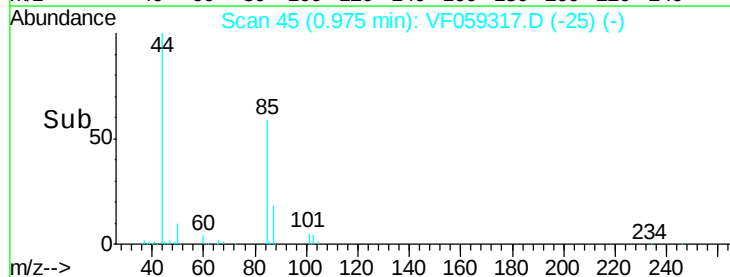
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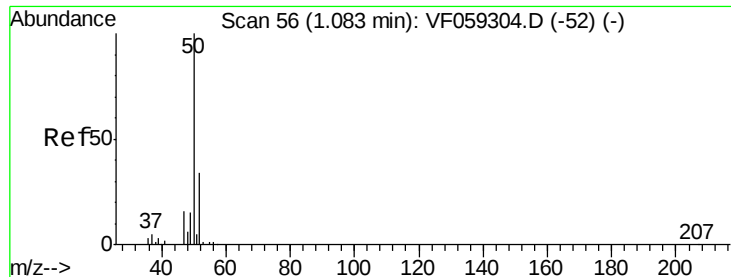
20000

10000

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Time-->





#3

Chloromethane

Concen: 45.11 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion: 50 Resp: 74949

Ion Ratio Lower Upper

50 100

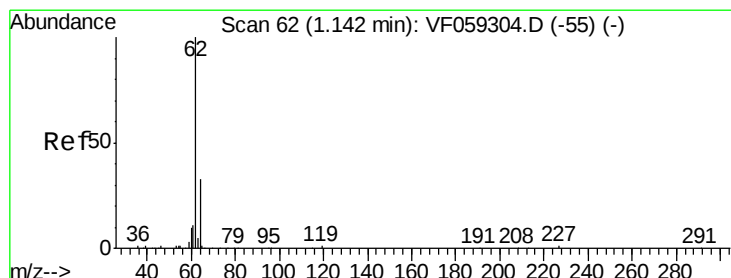
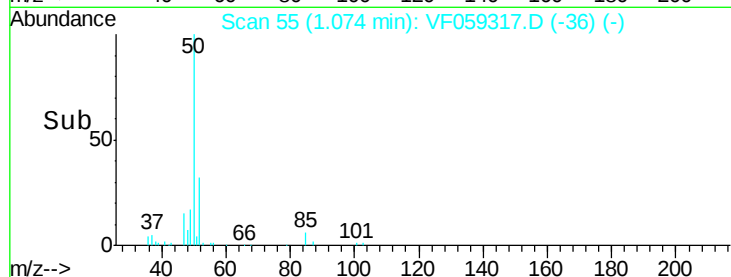
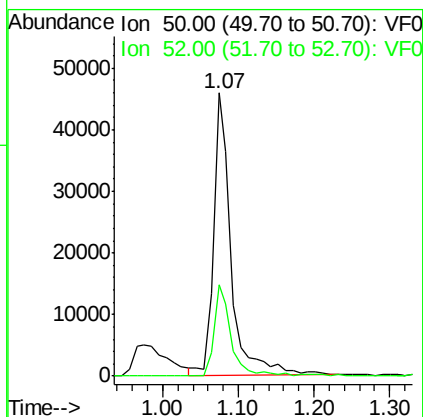
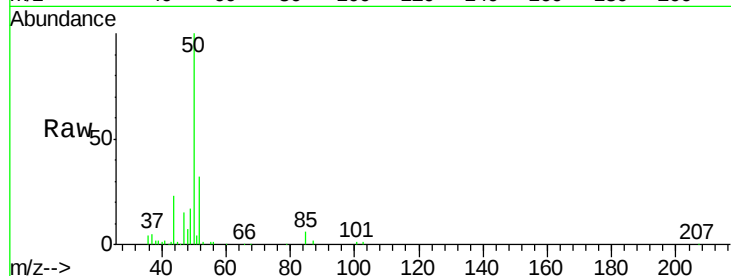
52 32.2 26.7 40.1

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#4

Vinyl Chloride

Concen: 47.41 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059317.D

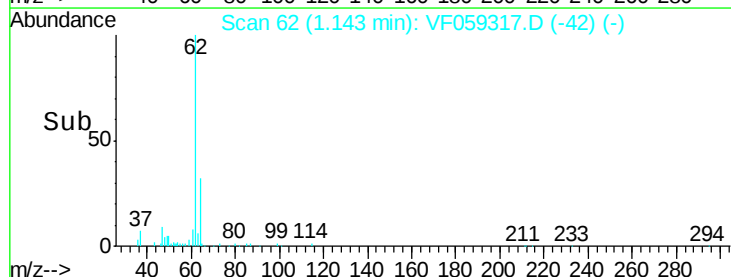
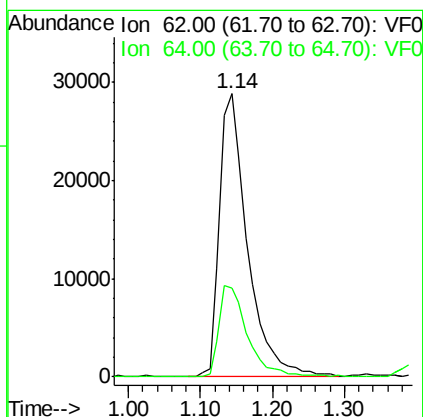
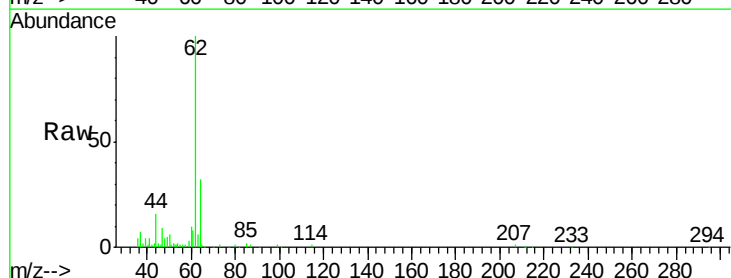
Acq: 26 Jun 2018 15:22

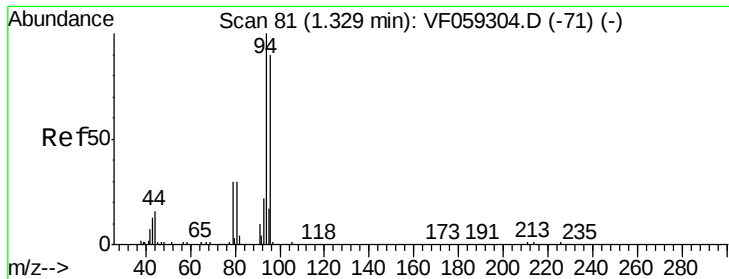
Tgt Ion: 62 Resp: 77546

Ion Ratio Lower Upper

62 100

64 31.5 26.3 39.5





#5

Bromomethane

Concen: 54.27 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059317.D

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Tot Ion: 94 Resp: 49511

Ion Ratio Lower Upper

94 100

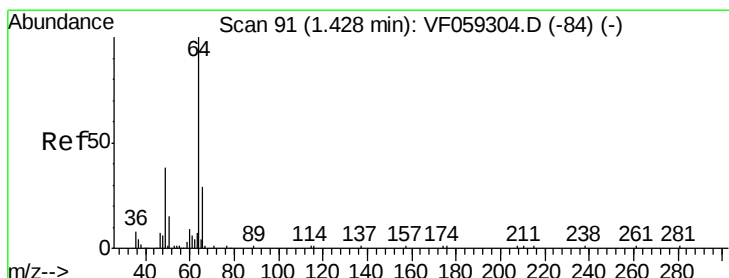
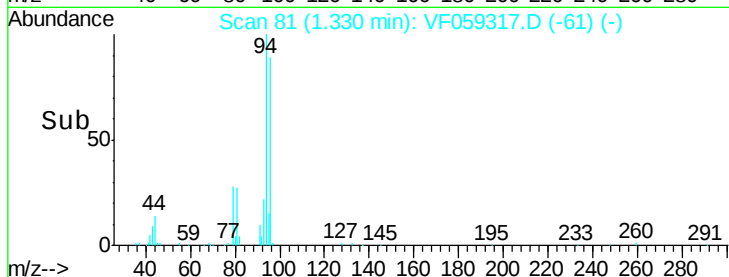
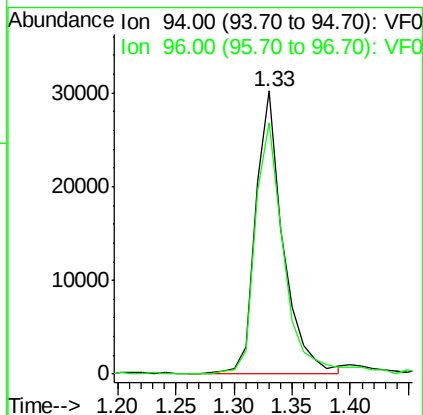
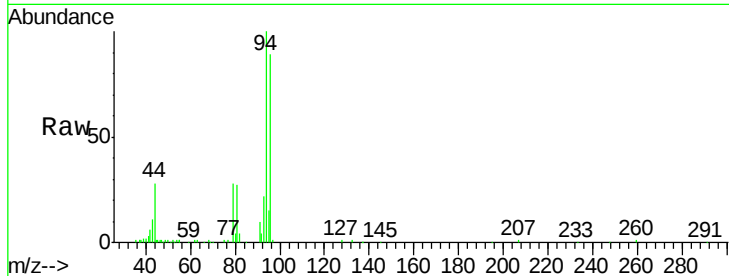
96 88.7 73.4 110.0

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#6

Chloroethane

Concen: 46.49 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059317.D

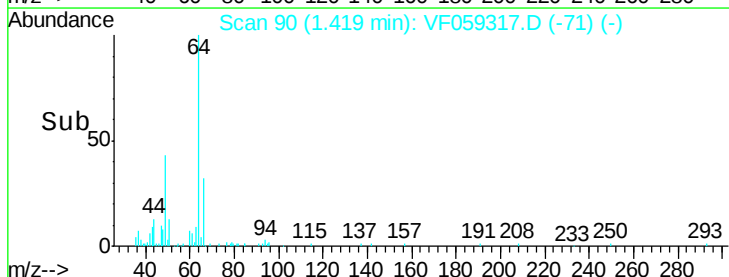
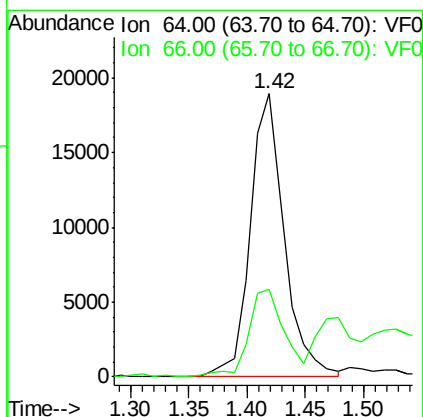
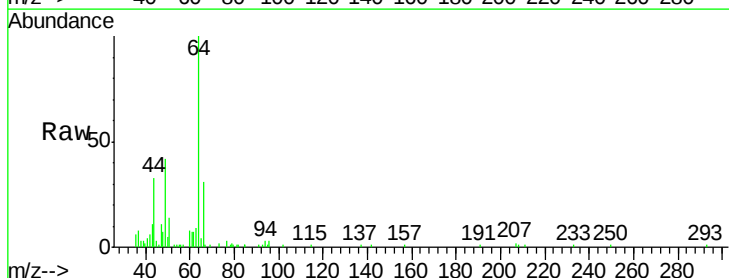
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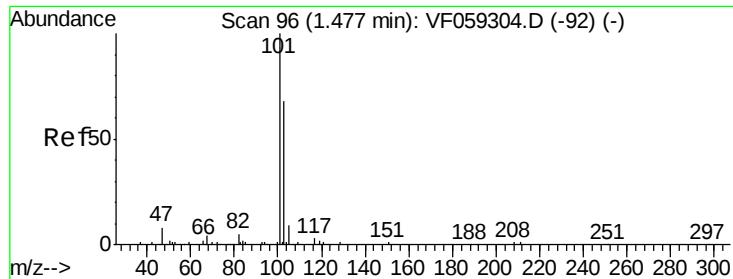
Tgt Ion: 64 Resp: 38298

Ion Ratio Lower Upper

64 100

66 31.1 23.9 35.9





#7

Trichlorofluoromethane

Concen: 52.37 ug/l m

RT: 1.47 min Scan# 95

Delta R.T. -0.01 min

Lab File: VF059317.D

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Tot Ion:101 Resp: 169380

Ion Ratio Lower Upper

101 100

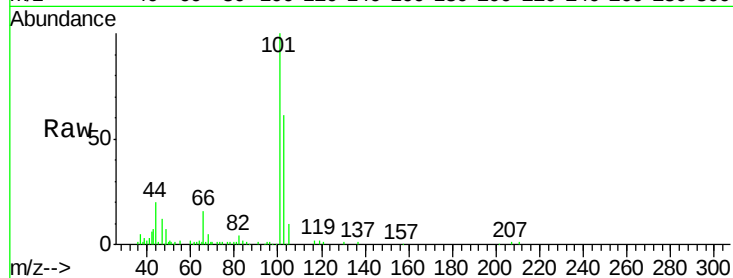
103 60.6 54.2 81.2

Manual Integrations

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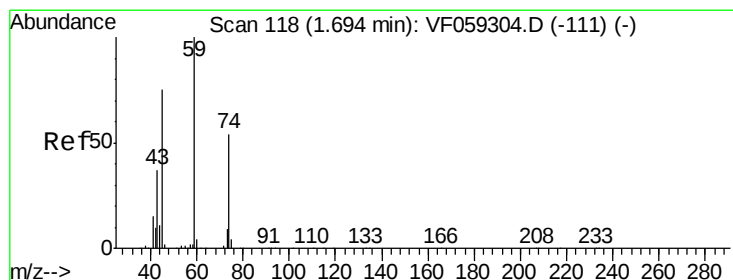
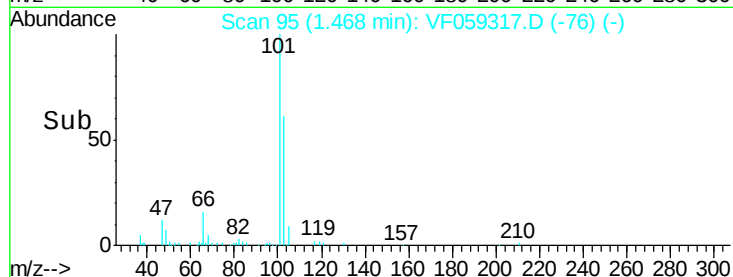
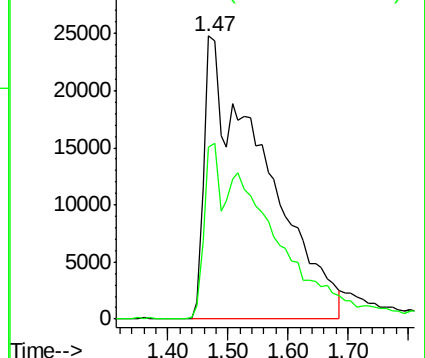
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 44.93 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.01 min

Lab File: VF059317.D

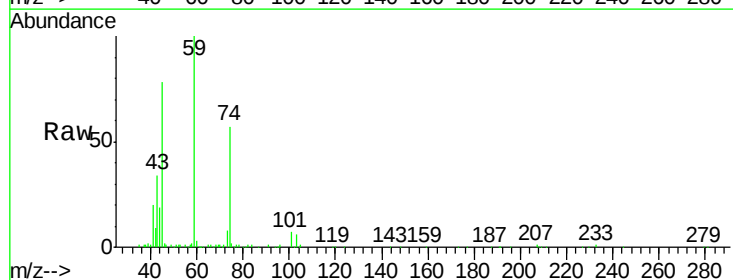
Acq: 26 Jun 2018 15:22

Tgt Ion: 74 Resp: 37257

Ion Ratio Lower Upper

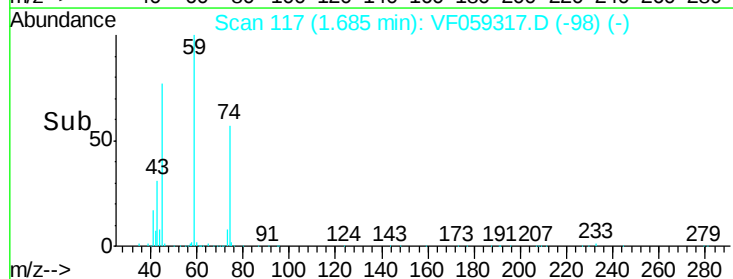
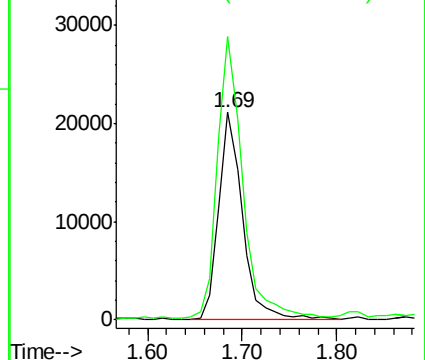
74 100

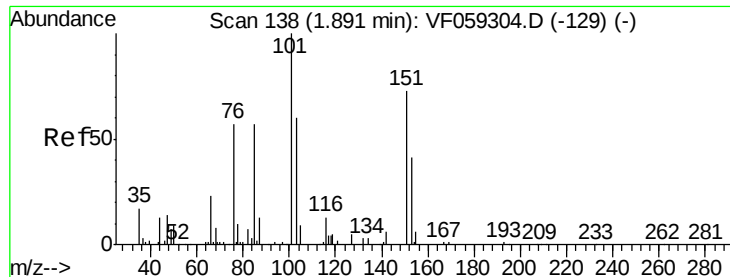
45 136.4 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.18 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

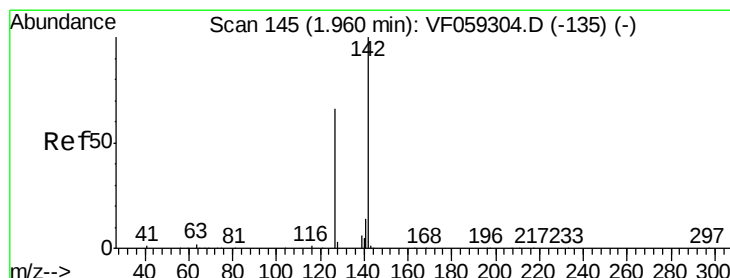
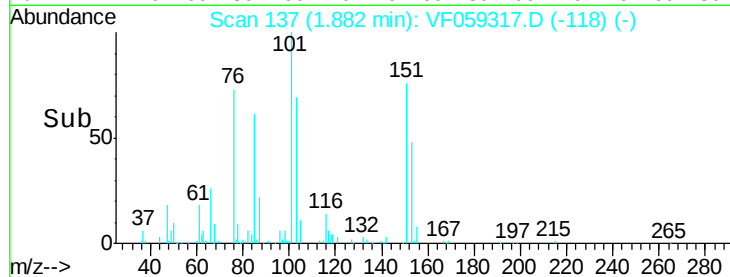
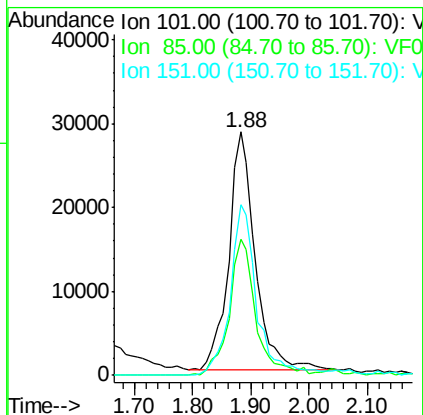
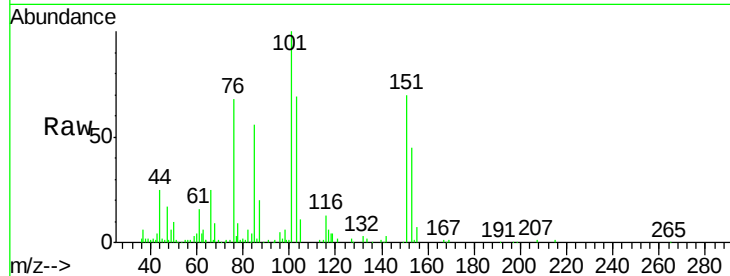
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	101	Resp:	89059
Ion Ratio	Lower	Upper	
101	100		
85	55.8	44.5	66.7
151	70.3	56.8	85.2

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#10

Methyl Iodide

Concen: 46.58 ug/l

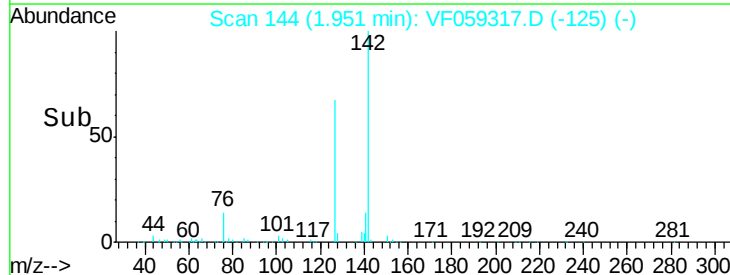
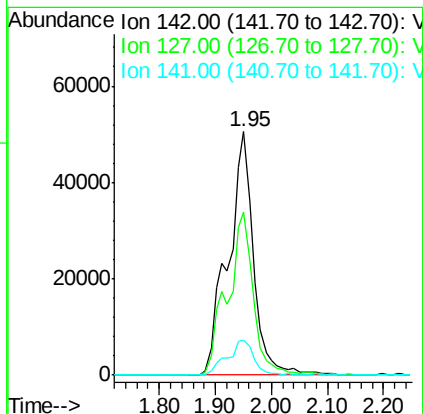
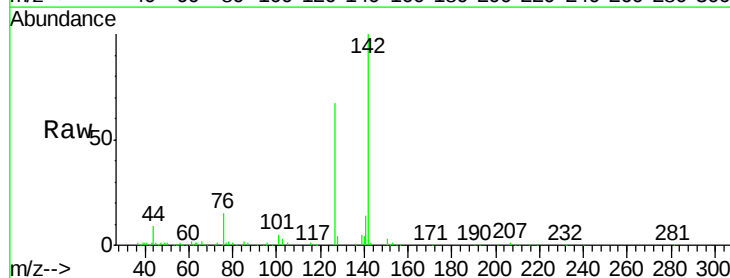
RT: 1.95 min Scan# 144

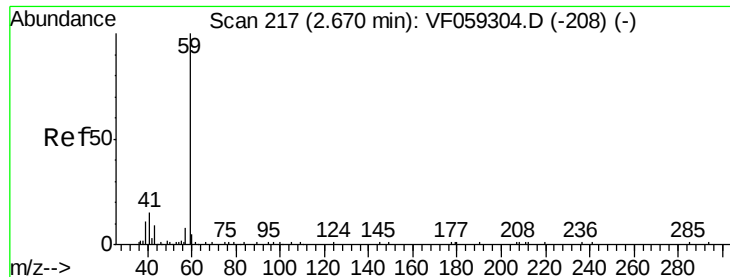
Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	142	Resp:	160335
Ion Ratio	Lower	Upper	
142	100		
127	66.8	52.5	78.7
141	14.1	11.5	17.3





#11

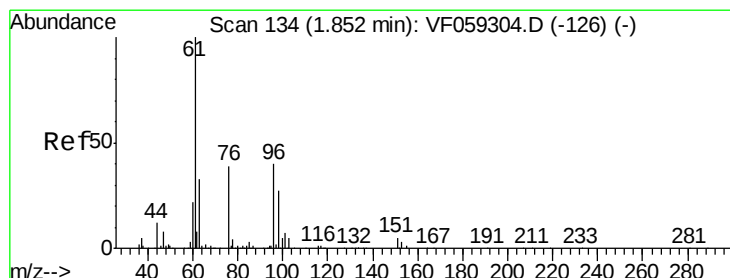
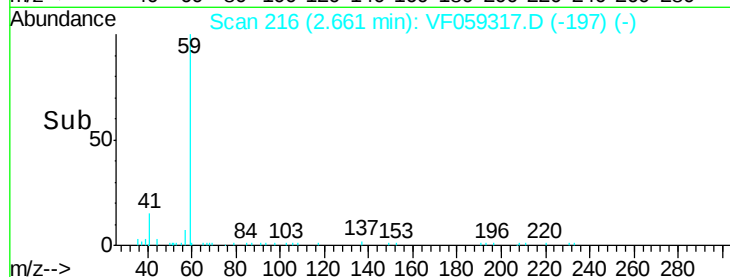
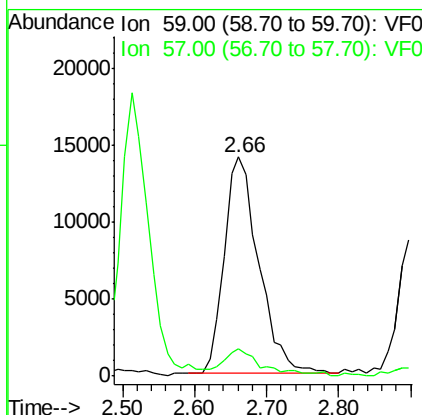
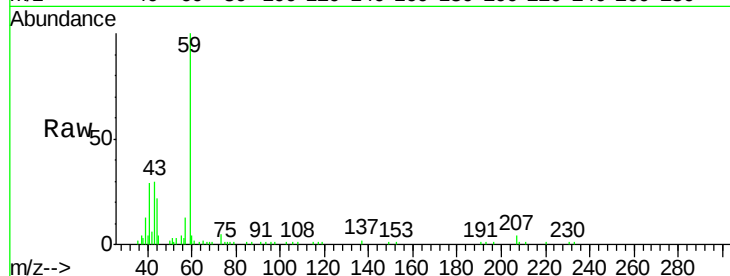
Tert butyl alcohol
 Concen: 202.18 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.6	11.0	16.4

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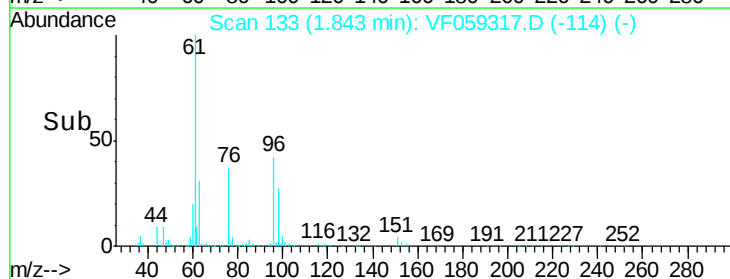
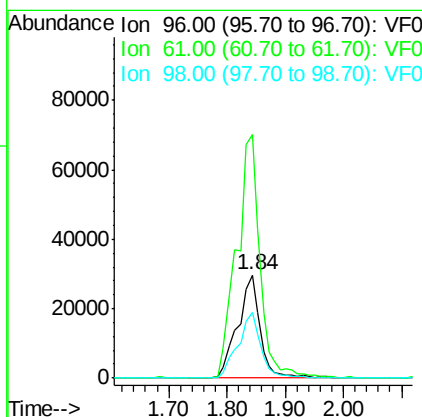
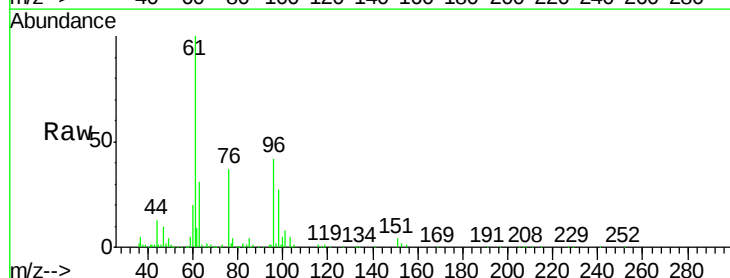
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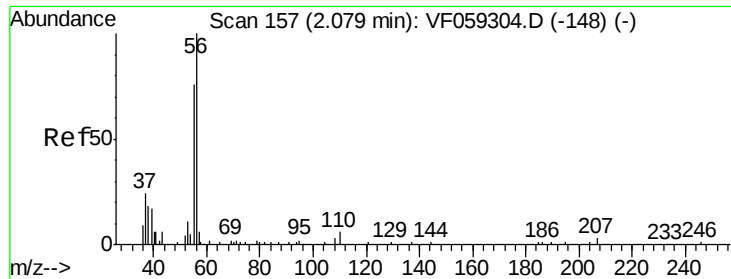


#12

1,1-Dichloroethene
 Concen: 50.12 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	236.8	201.1	301.7
98	64.3	53.9	80.9





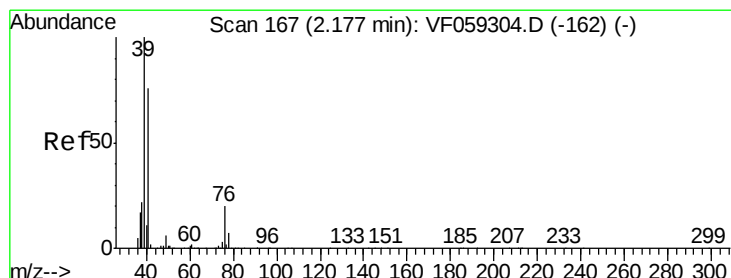
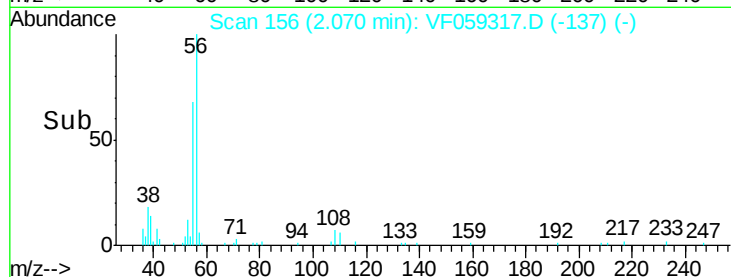
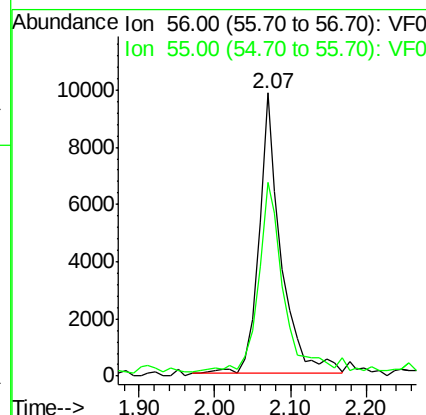
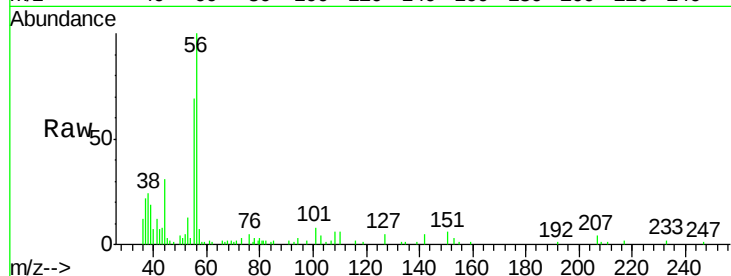
#13
Acrolein
Concen: 170.31 ug/l
RT: 2.07 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion	56	Resp	19592
Ion Ratio	100	Lower	Upper
55	68.5	62.4	93.6

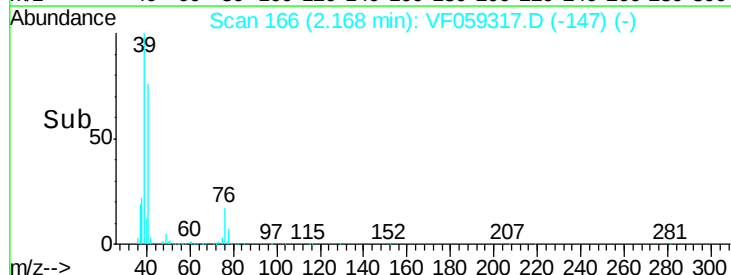
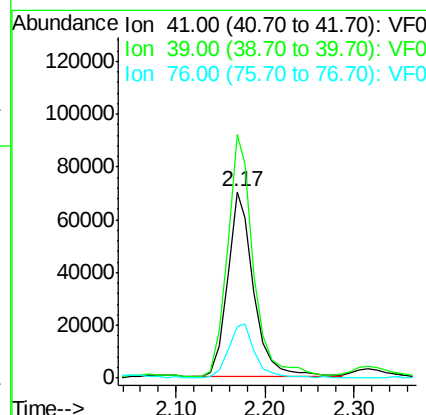
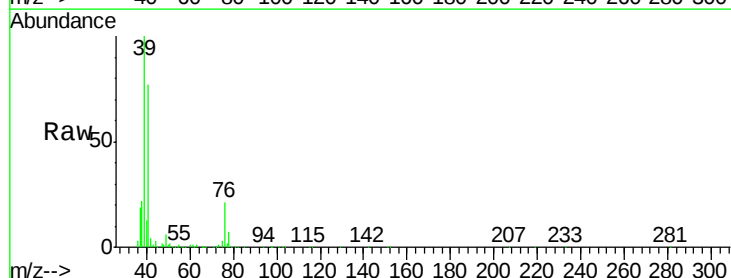
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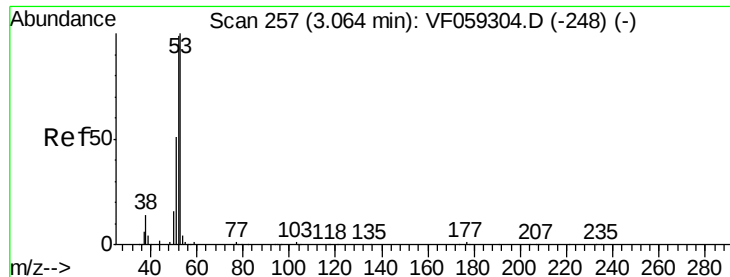
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#14
Allyl chloride
Concen: 48.07 ug/l
RT: 2.17 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion	41	Resp	144013
Ion Ratio	100	Lower	Upper
39	130.6	105.6	158.4
76	27.8	21.6	32.4





#15

Acrylonitrile

Concen: 243.62 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

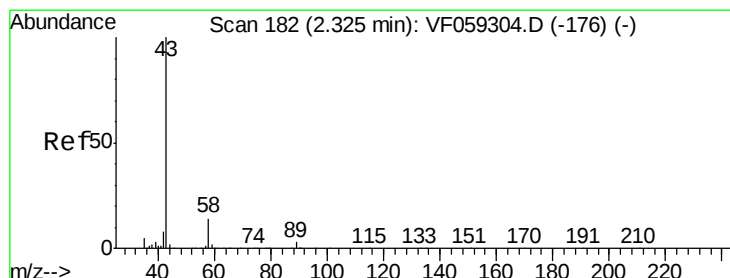
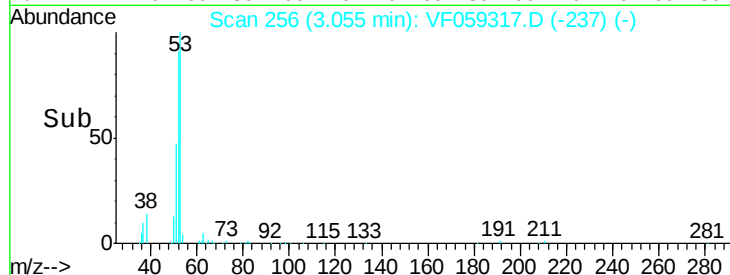
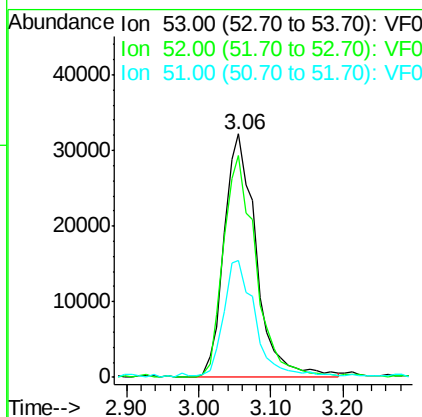
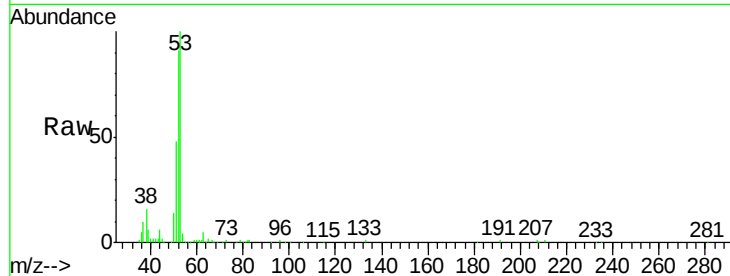
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	53	Resp:	99887
Ion	Ratio	Lower	Upper
53	100		
52	91.1	79.2	118.8
51	48.0	40.9	61.3

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#16

Acetone

Concen: 299.78 ug/l

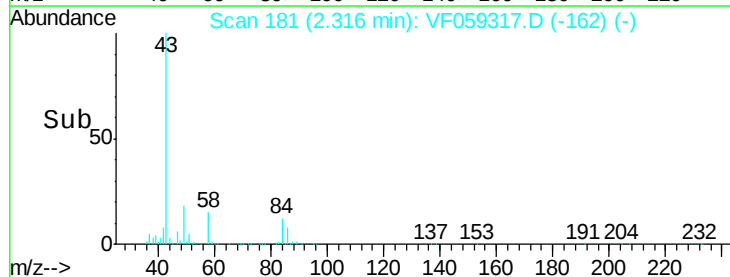
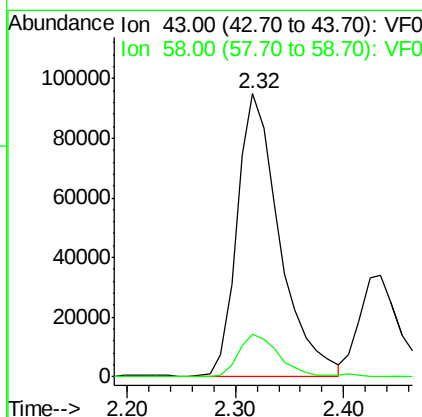
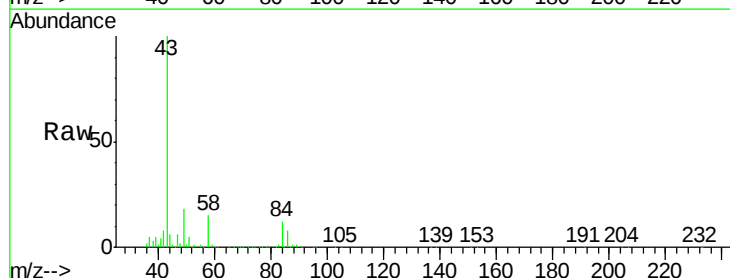
RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	43	Resp:	260068
Ion	Ratio	Lower	Upper
43	100		
58	15.0	11.4	17.0





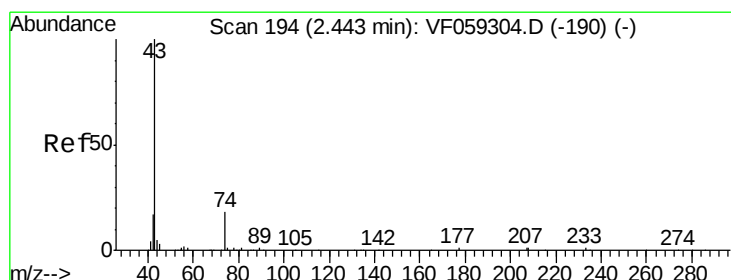
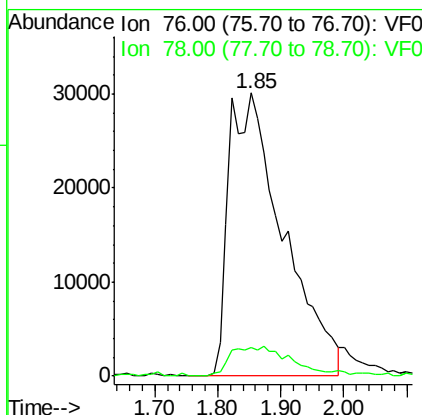
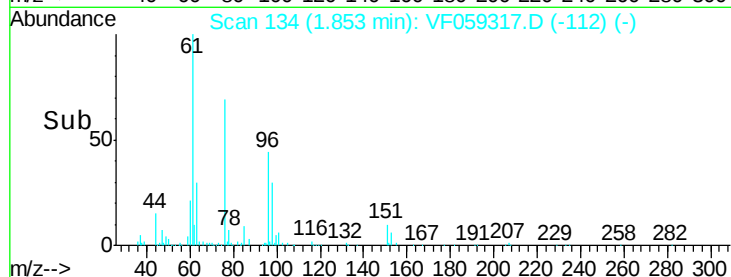
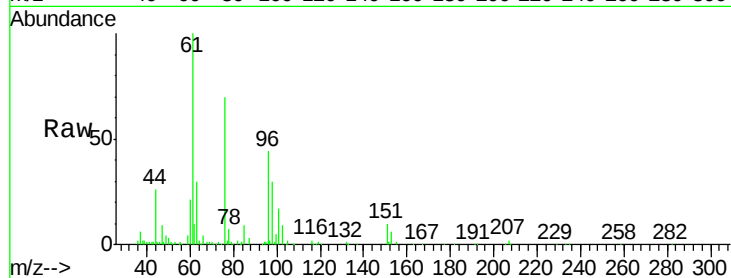
#17
Carbon Disulfide
Concen: 47.90 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.02 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion: 76 Resp: 179832
Ion Ratio Lower Upper
76 100
78 10.0 8.9 13.3

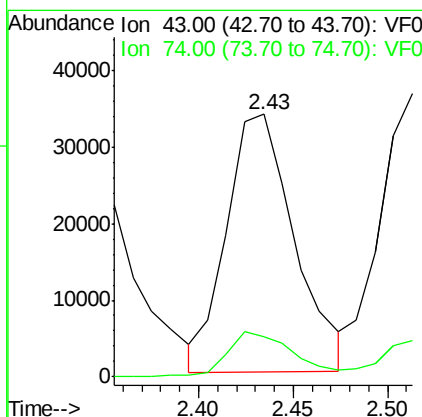
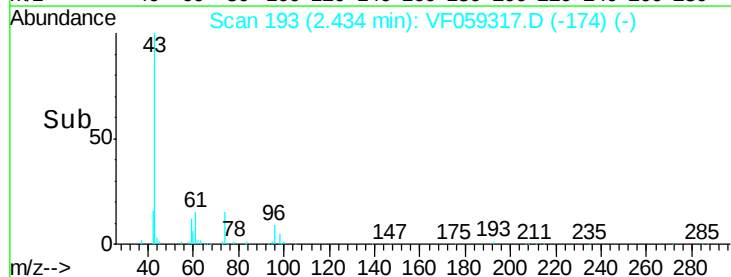
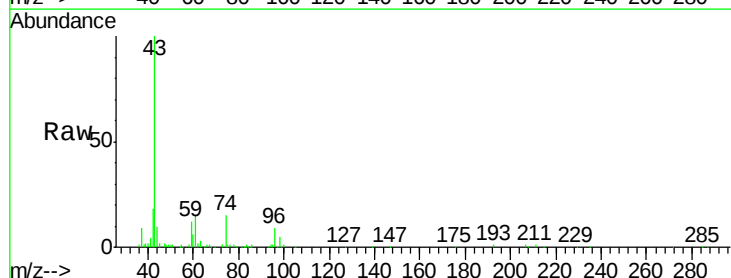
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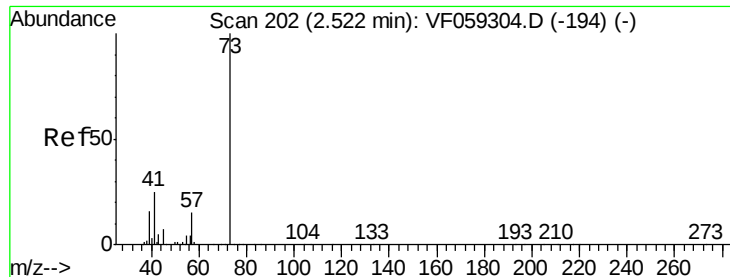
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#18
Methyl Acetate
Concen: 53.33 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion: 43 Resp: 84054
Ion Ratio Lower Upper
43 100
74 15.1 13.3 19.9





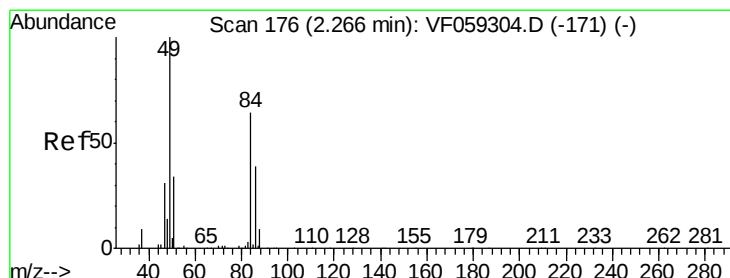
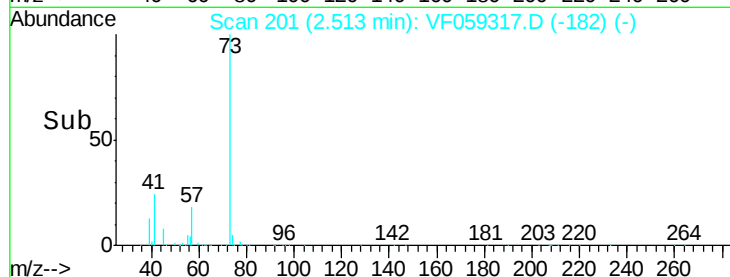
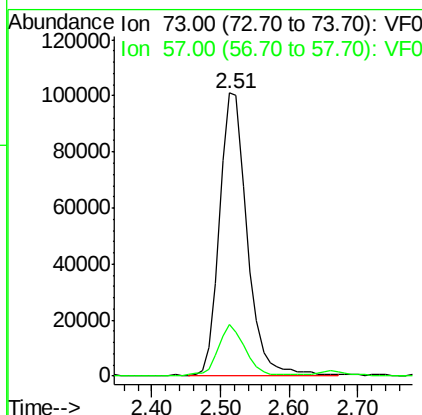
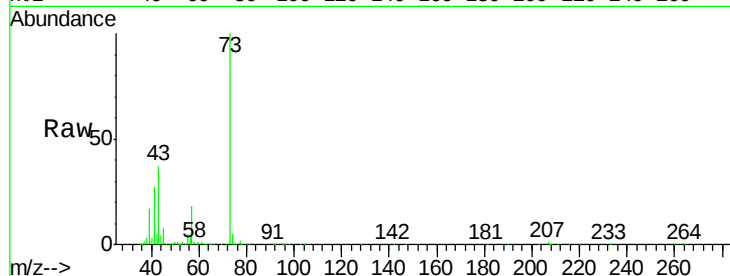
#19
Methyl tert-butyl Ether
Concen: 47.46 ug/l
RT: 2.51 min Scan# 201
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion: 73 Resp: 282508
Ion Ratio Lower Upper
73 100
57 18.2 12.3 18.5

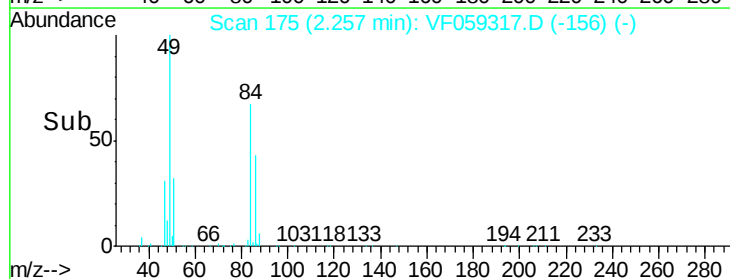
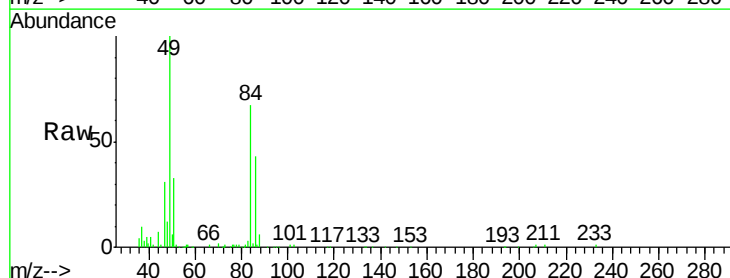
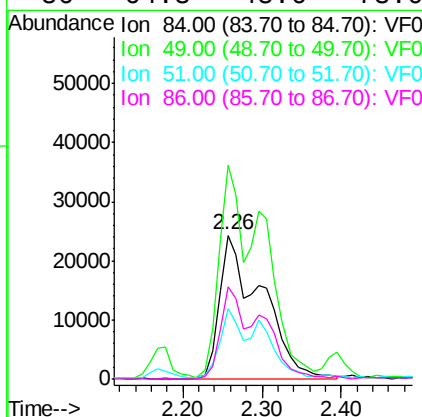
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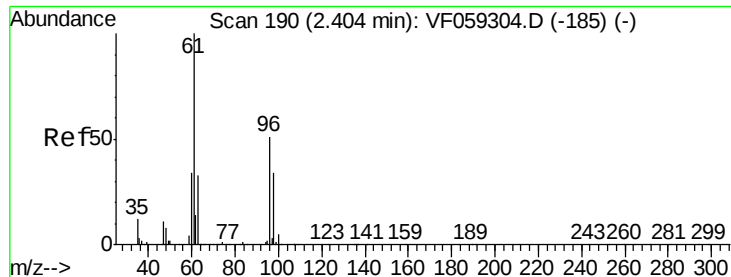
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#20
Methylene Chloride
Concen: 45.68 ug/l m
RT: 2.26 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion: 84 Resp: 90849
Ion Ratio Lower Upper
84 100
49 148.9 126.5 189.7
51 48.8 42.9 64.3
86 64.3 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 48.37 ug/l

RT: 2.39 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

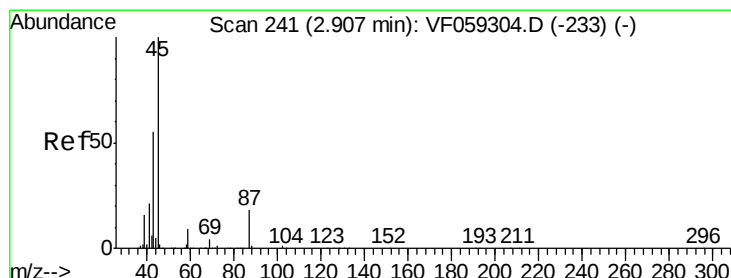
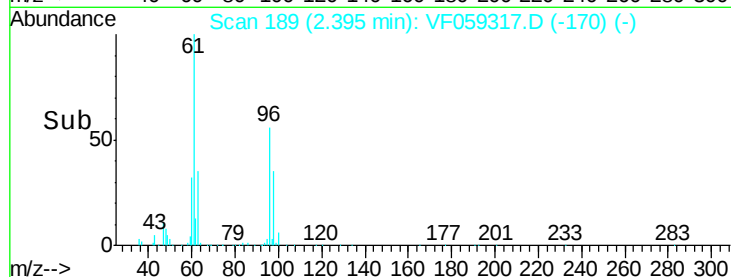
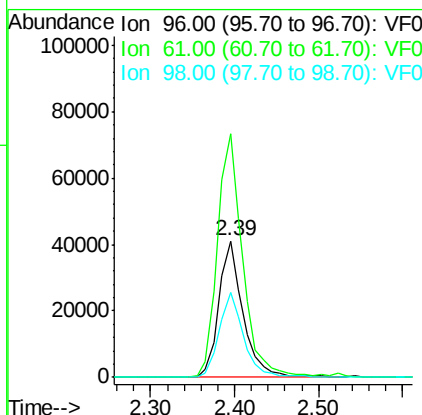
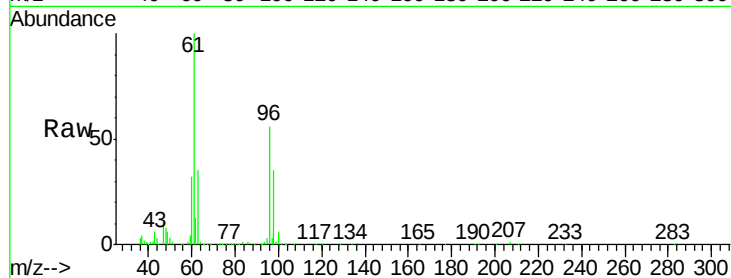
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	96	Resp:	82341
Ion	Ratio	Lower	Upper
96	100		
61	178.8	157.4	236.2
98	62.0	53.7	80.5

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#22

Diisopropyl ether

Concen: 46.00 ug/l

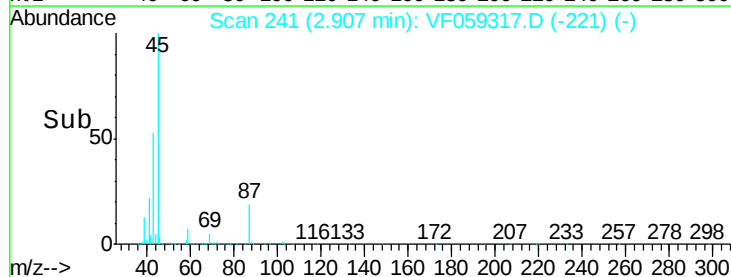
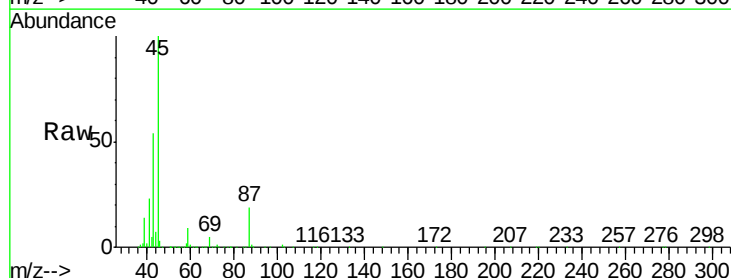
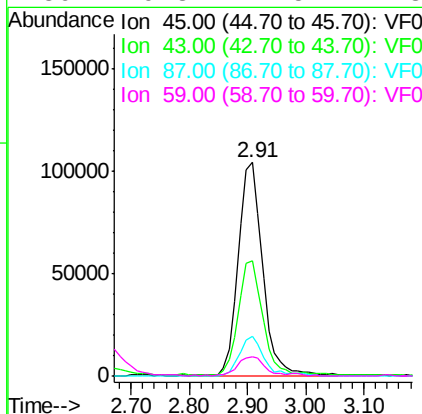
RT: 2.91 min Scan# 241

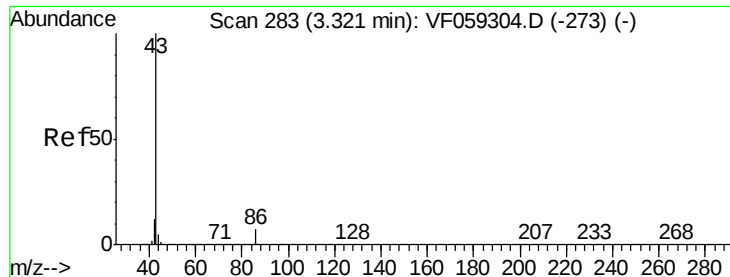
Delta R.T. 0.00 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	45	Resp:	305171
Ion	Ratio	Lower	Upper
45	100		
43	54.1	44.6	66.8
87	18.5	14.3	21.5
59	9.3	7.5	11.3





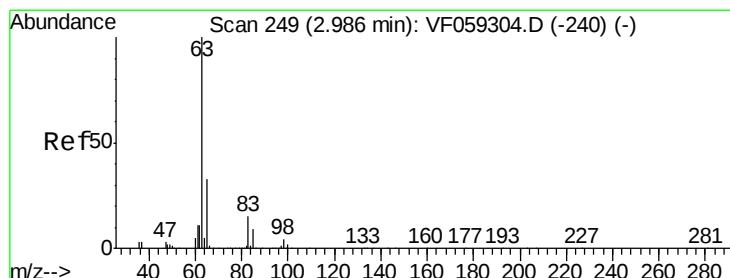
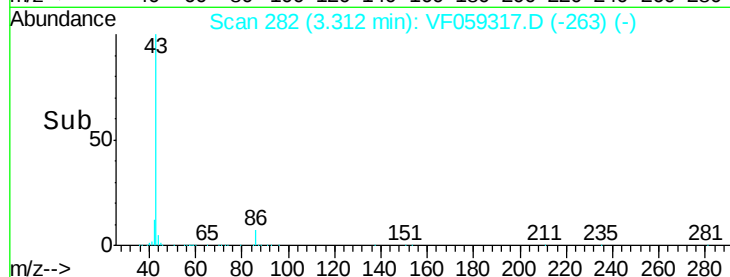
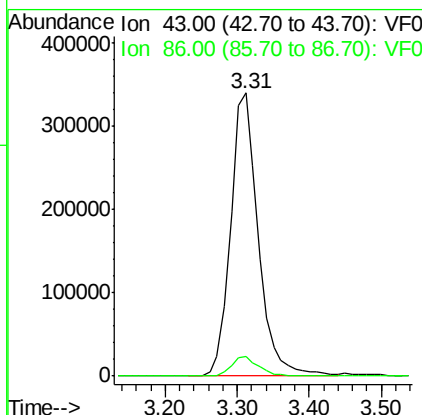
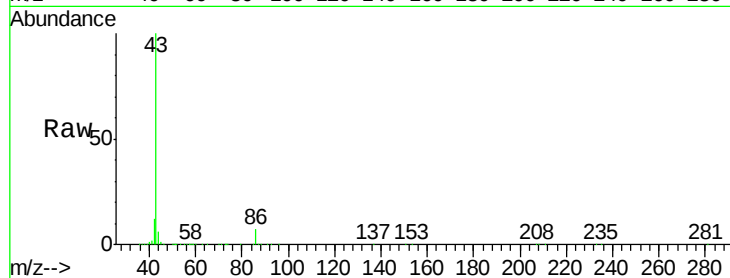
#23
 Vinyl Acetate
 Concen: 214.32 ug/l
 RT: 3.31 min Scan# 282
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MSD

Tot Ion	43	86	Resp	Lower	Upper
905477	100	6.8		5.8	8.6

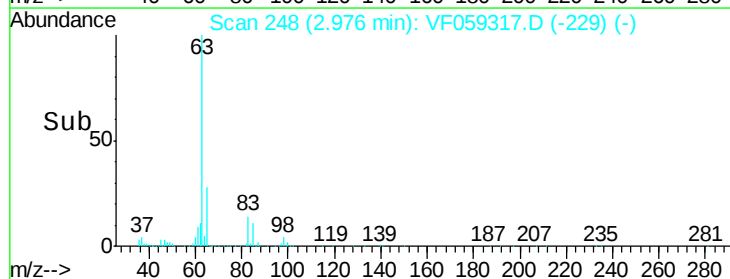
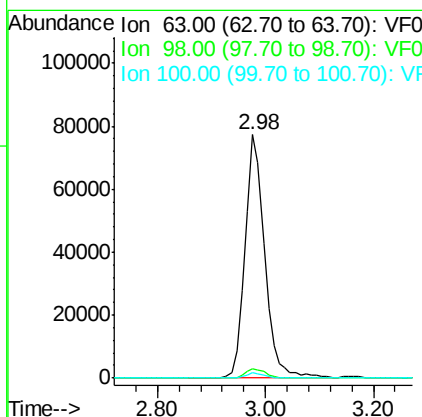
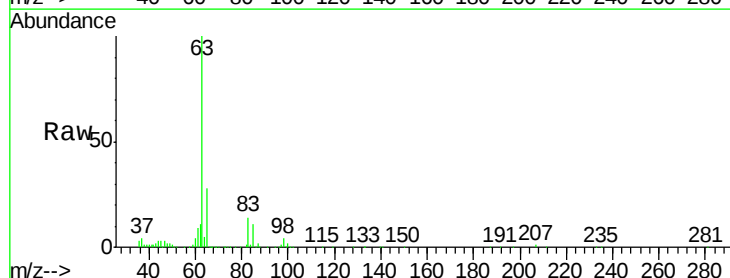
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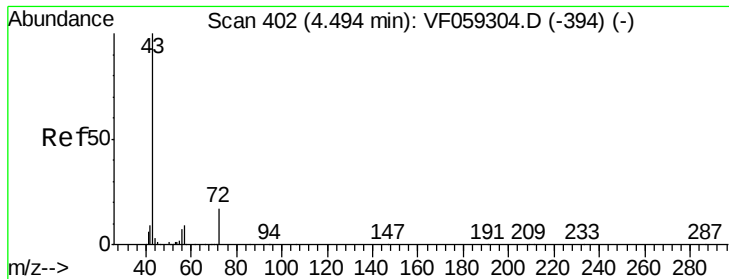
apatel
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#24
 1,1-Dichloroethane
 Concen: 47.46 ug/l
 RT: 2.98 min Scan# 248
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Tgt Ion	63	98	100	Resp	Lower	Upper
195209	100	3.9	2.4		2.0	6.0
					1.3	3.9





#25

2-Butanone

Concen: 246.21 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.02 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tot Ion: 43 Resp: 260529

Ion Ratio Lower Upper

43 100

72 20.7 14.4 21.6

Instrument :

MSVOA_F

ClientSampleId :

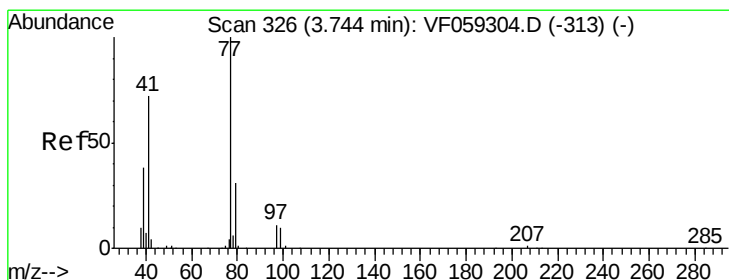
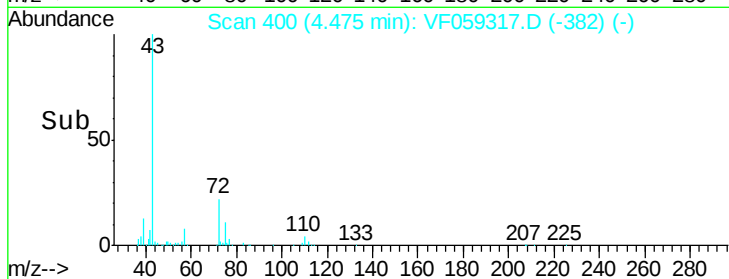
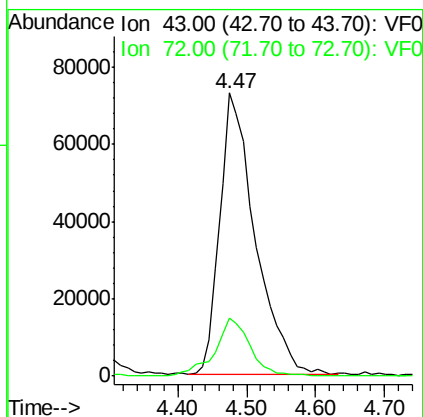
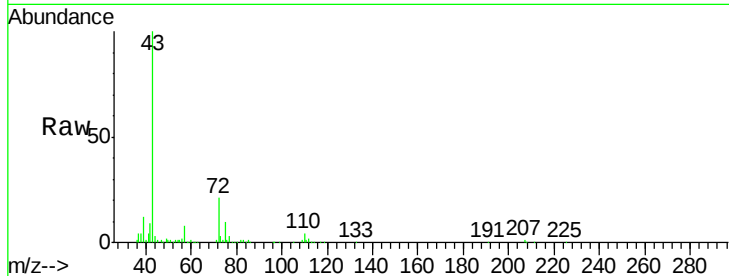
WP021SB476-25-27-180619MSD

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#26

2,2-Dichloropropane

Concen: 48.79 ug/l

RT: 3.74 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059317.D

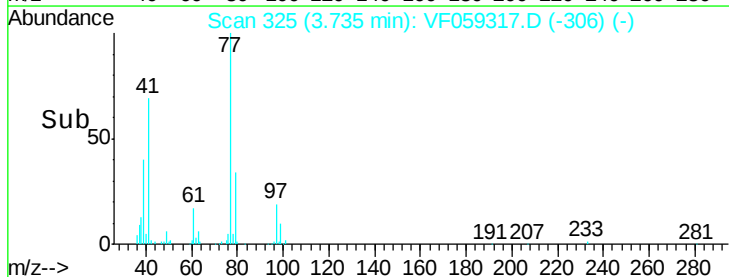
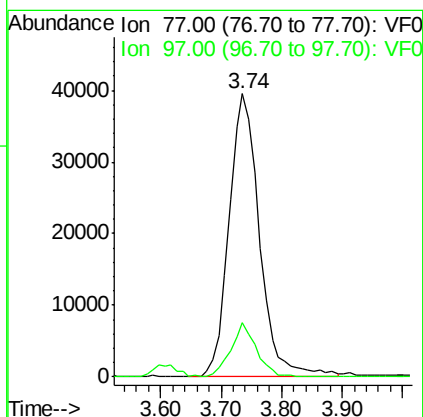
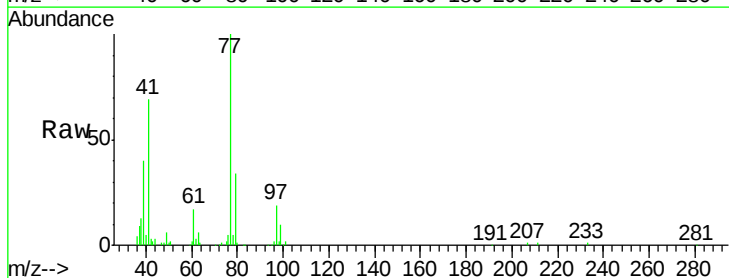
Acq: 26 Jun 2018 15:22

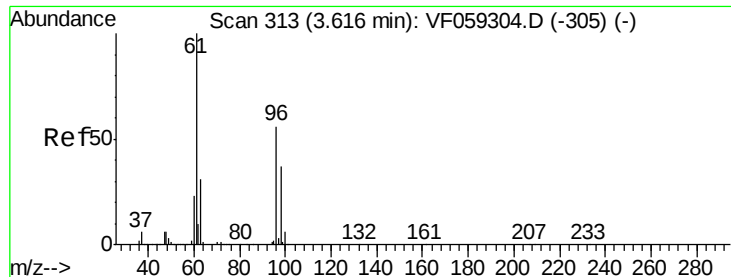
Tgt Ion: 77 Resp: 138408

Ion Ratio Lower Upper

77 100

97 19.1 8.0 23.8





#27

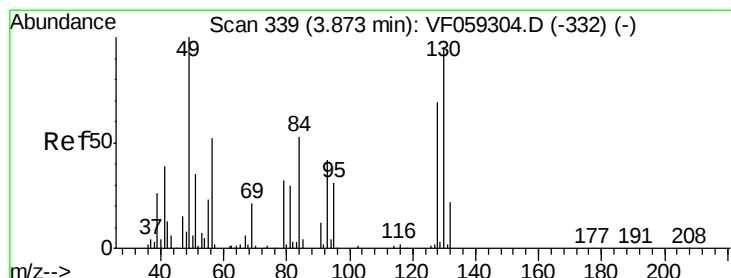
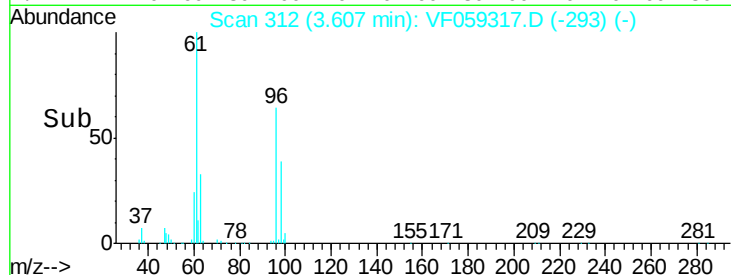
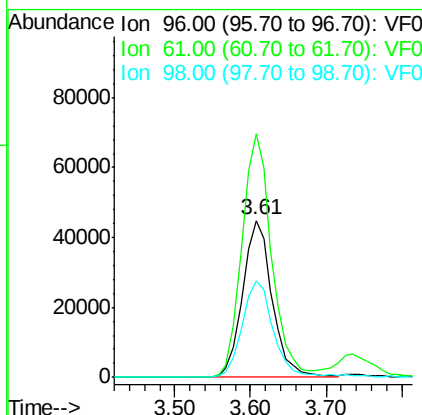
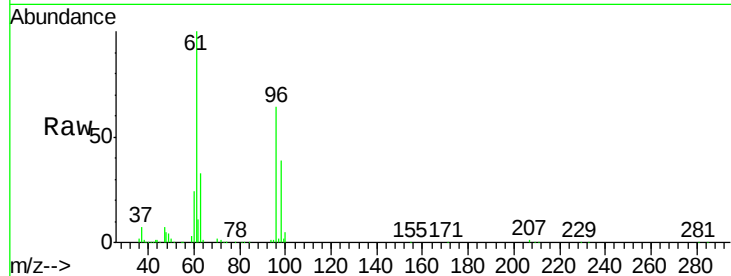
cis-1,2-Dichloroethene
Concen: 47.27 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.1	0.0	355.4	
98	61.1	0.0	131.0	

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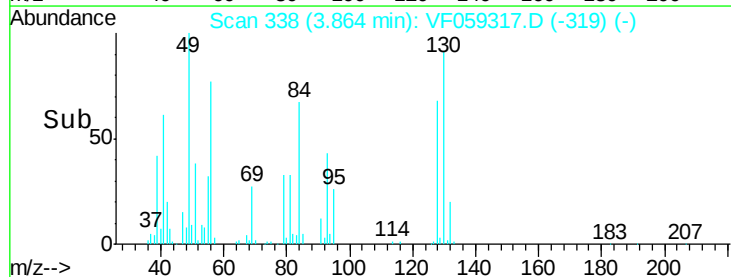
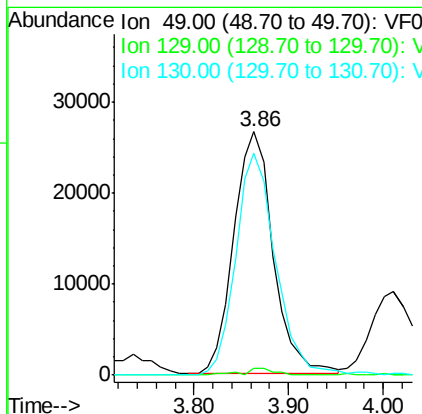
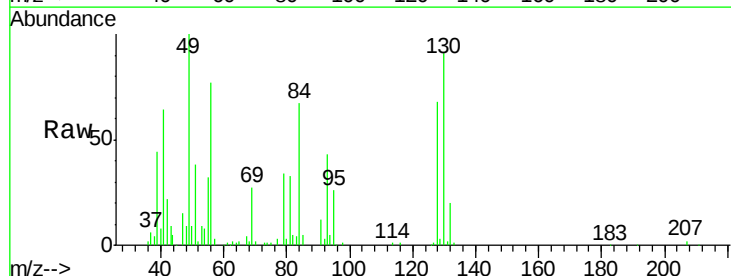
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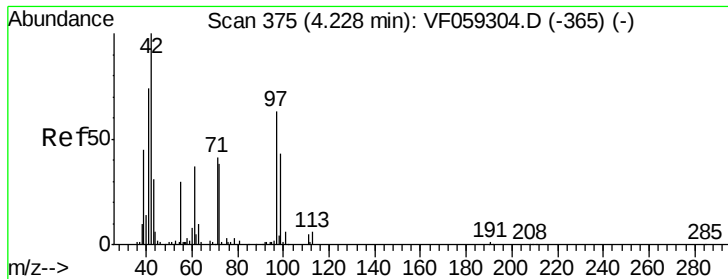


#28

Bromochloromethane
Concen: 48.63 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.9	0.0	6.4	
130	91.1	75.1	112.7	





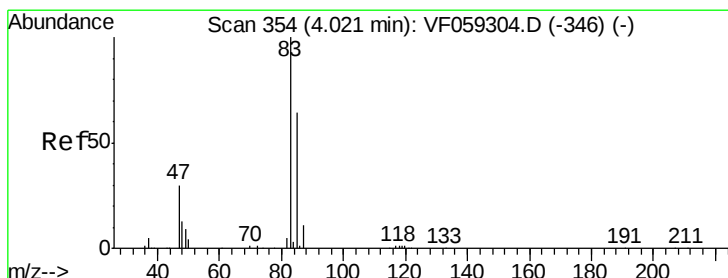
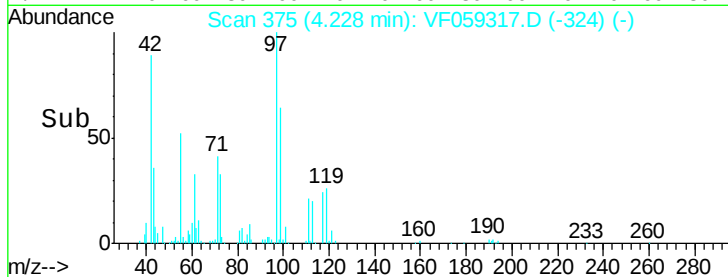
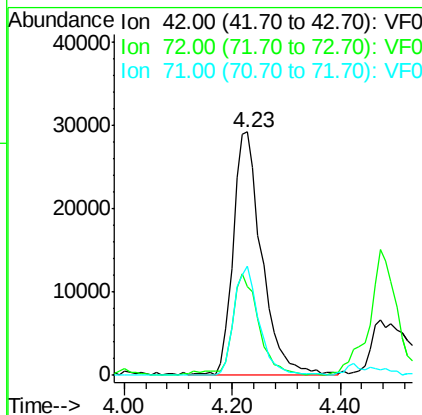
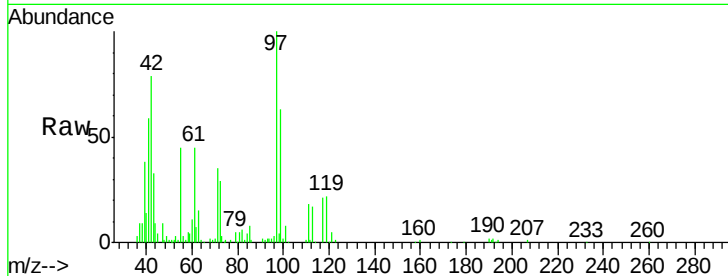
#29
Tetrahydrofuran
Concen: 240.73 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.5	45.7
71	39.4	32.5	48.7

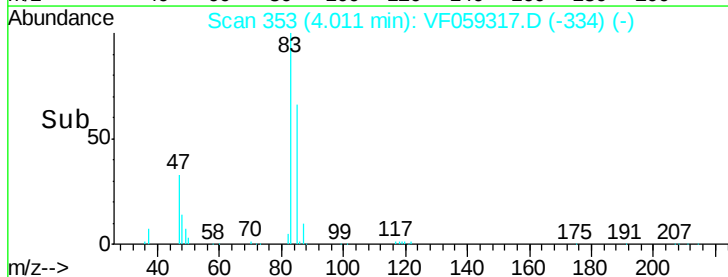
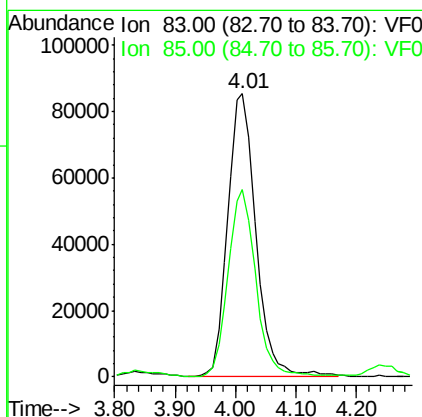
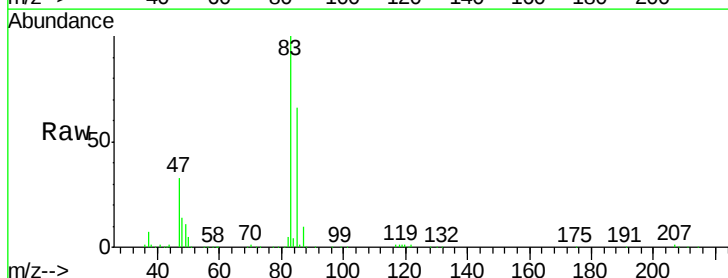
Manual Integrations
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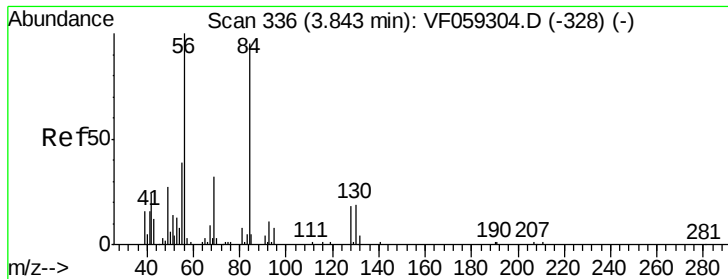
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#30
Chloroform
Concen: 46.22 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.3	76.9





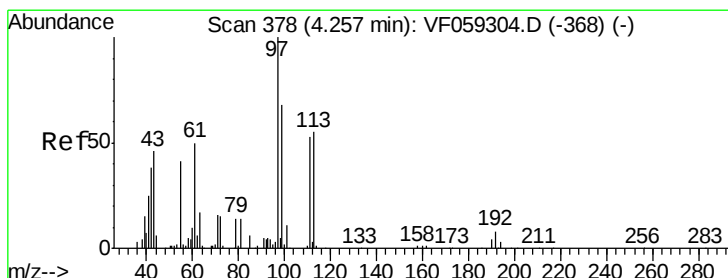
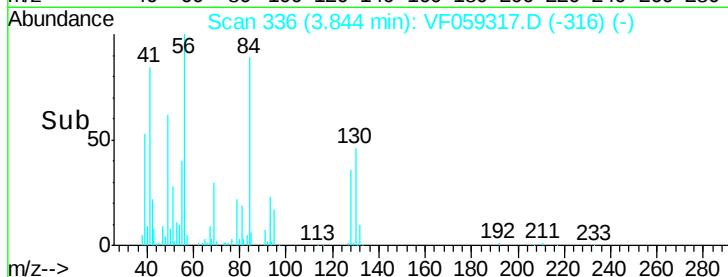
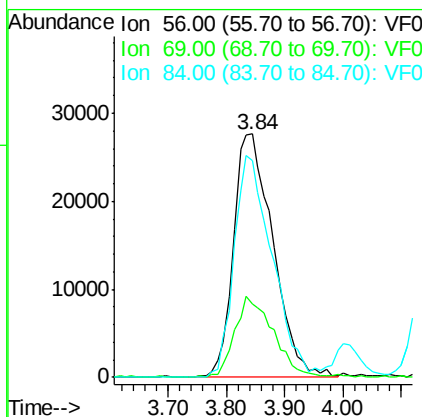
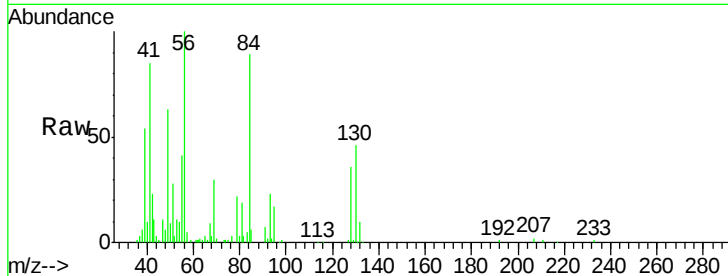
#31
Cyclohexane
Concen: 48.58 ug/l
RT: 3.84 min Scan# 336
Delta R.T. 0.00 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.8	38.8
84	89.2	75.6	113.4

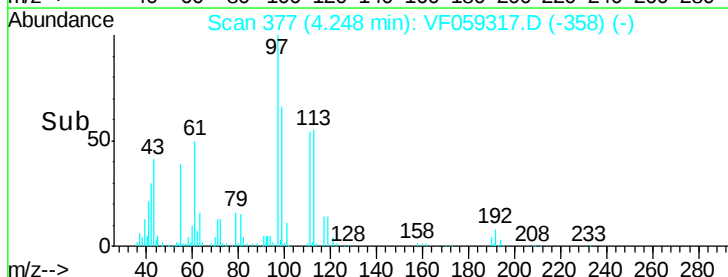
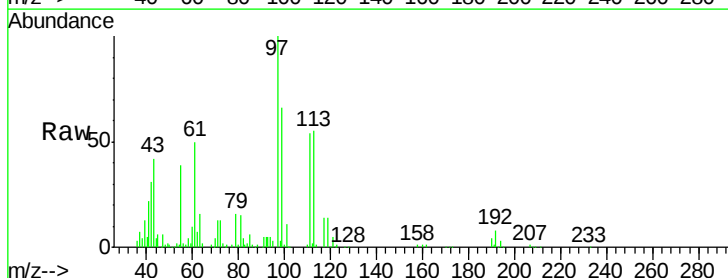
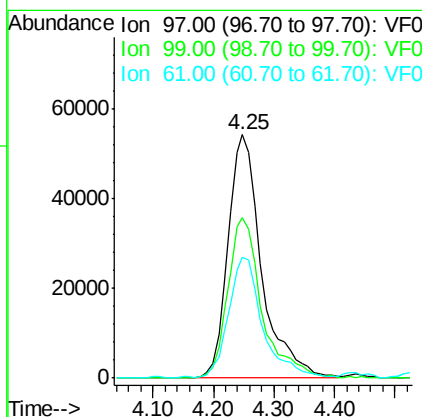
Manual Integrations
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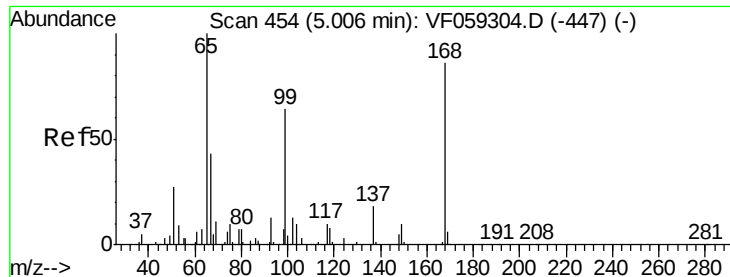
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#32
1,1,1-Trichloroethane
Concen: 48.00 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	54.1	81.1
61	49.8	41.2	61.8





#33

1,2-Dichloroethane-d4

Concen: 45.01 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion: 65 Resp: 157431

Ion Ratio Lower Upper

65 100

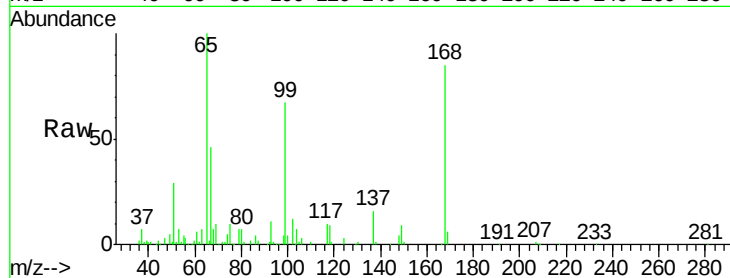
67 45.7 0.0 96.8

Manual Integrations

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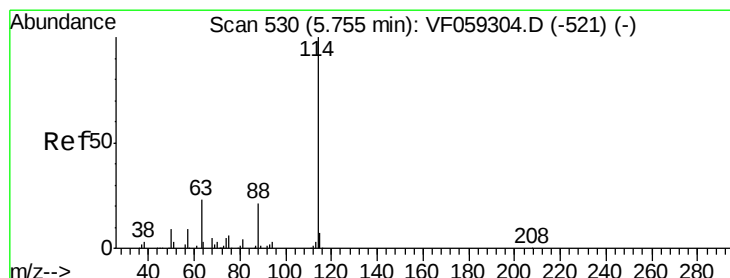
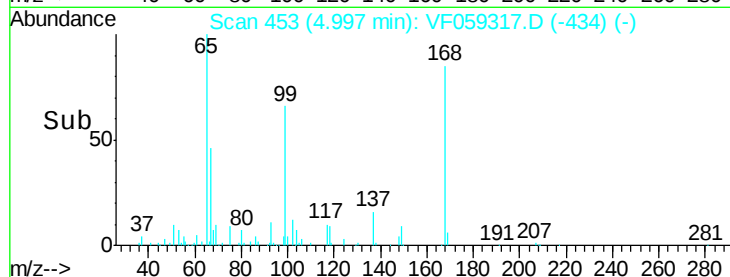
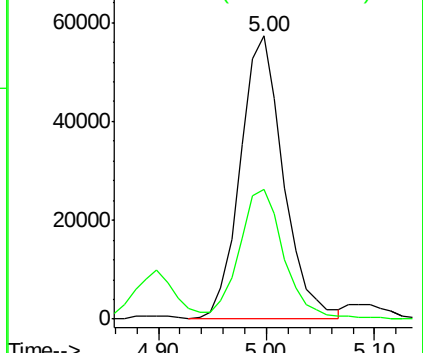
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

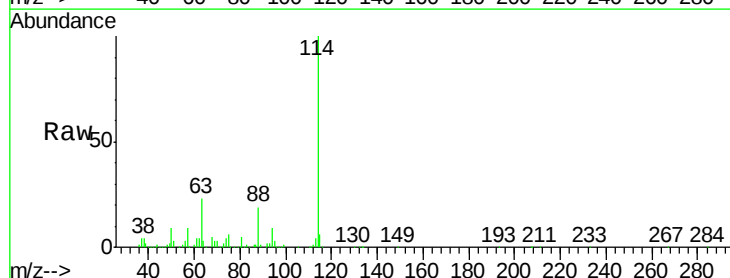
Tgt Ion: 114 Resp: 419693

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.8

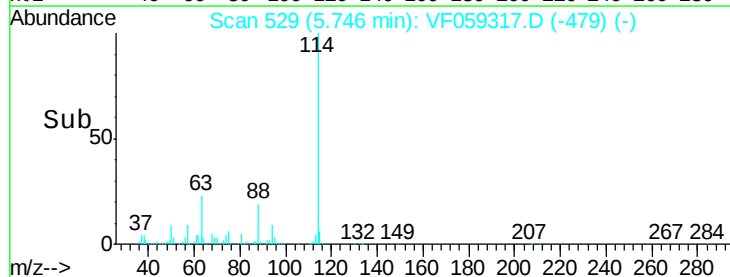
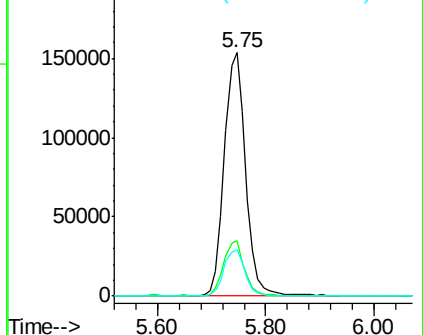
88 19.1 0.0 41.2

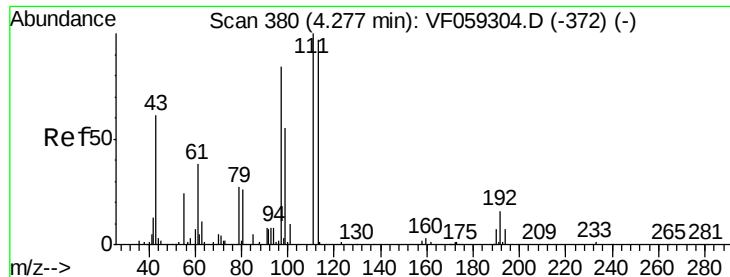


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 46.16 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

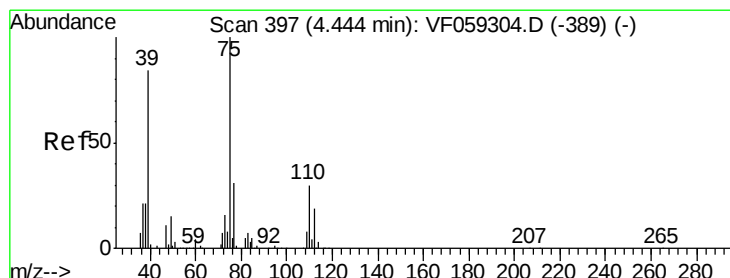
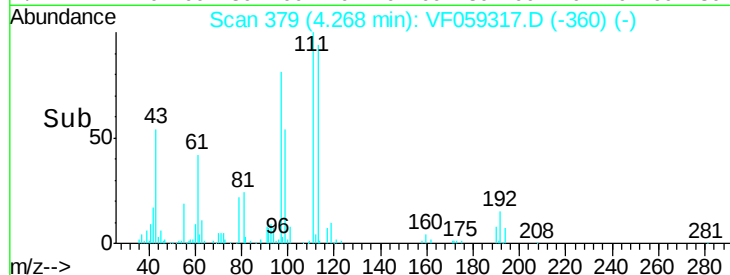
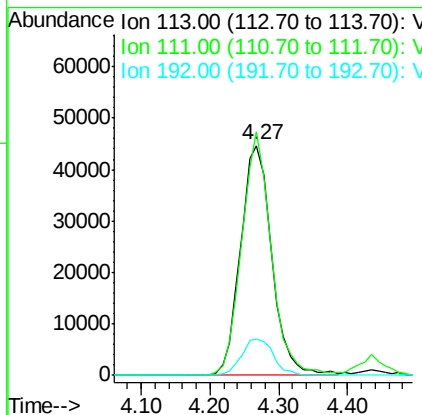
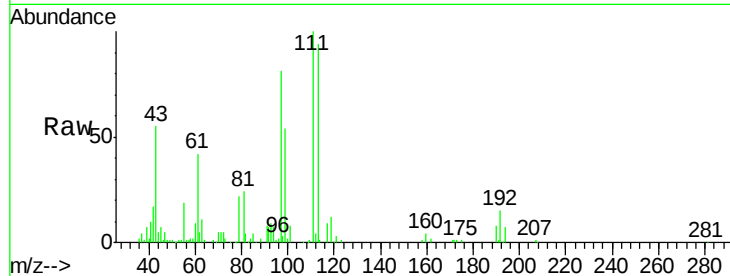
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	113	Resp:	141550
Ion Ratio	Lower	Upper	
113	100		
111	105.9	82.1	123.1
192	16.0	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.02 ug/l

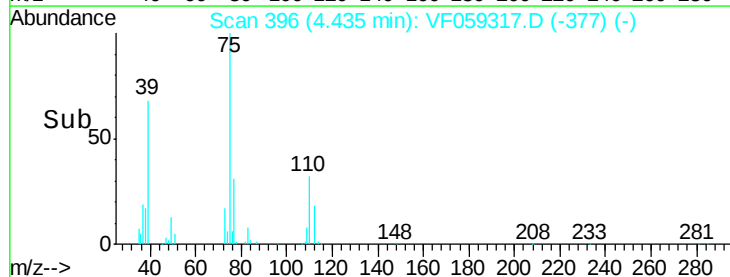
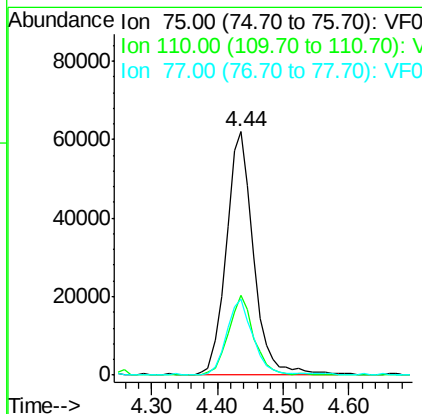
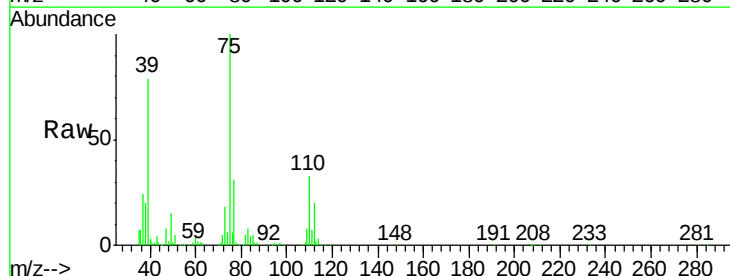
RT: 4.44 min Scan# 396

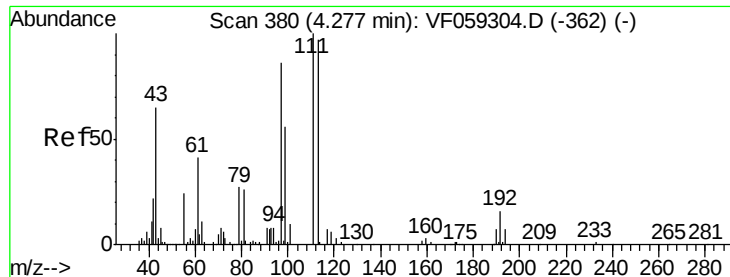
Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	75	Resp:	179733
Ion Ratio	Lower	Upper	
75	100		
110	32.7	14.8	44.4
77	31.4	25.2	37.8





#37

Ethyl Acetate

Concen: 45.66 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

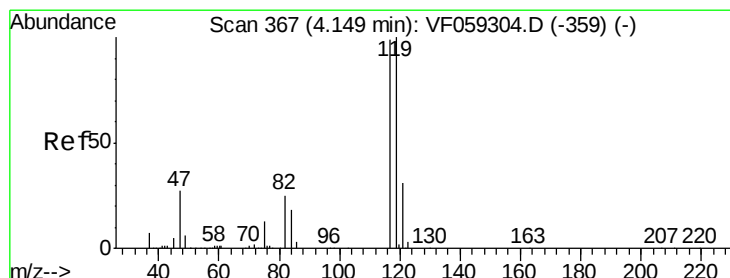
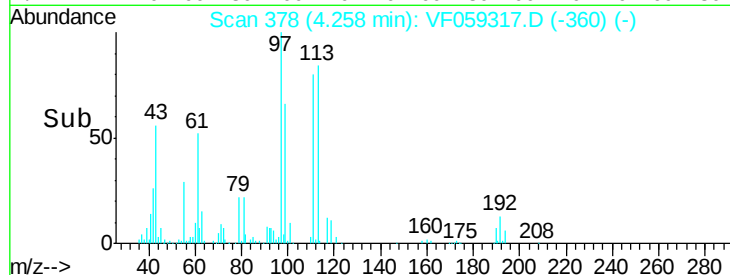
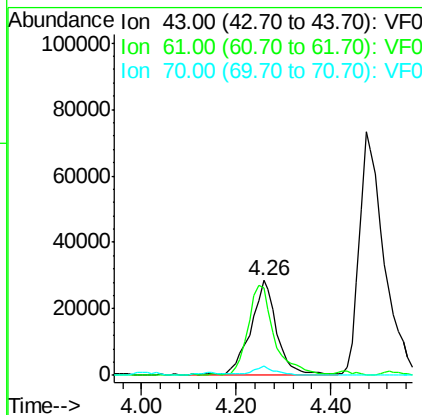
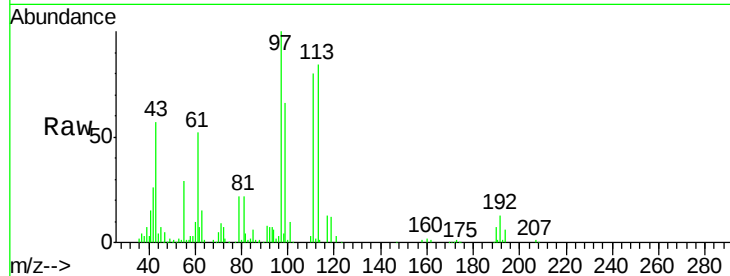
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	43	Resp:	107397
Ion	Ratio	Lower	Upper
43	100		
61	92.4	50.1	75.1#
70	9.6	6.2	9.4#

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#38

Carbon Tetrachloride

Concen: 48.76 ug/l m

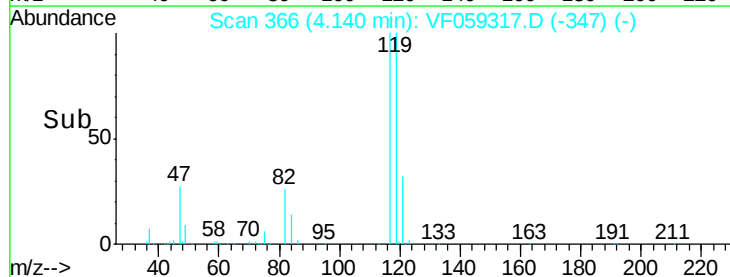
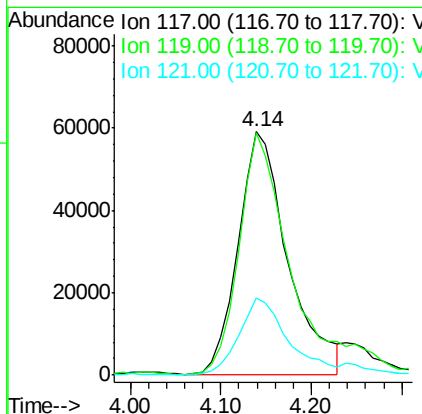
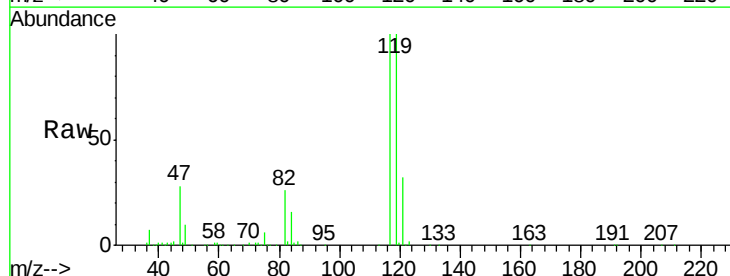
RT: 4.14 min Scan# 366

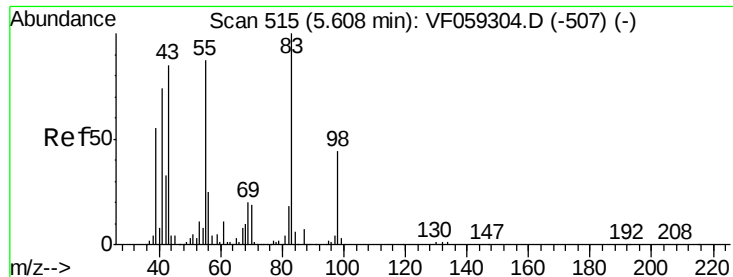
Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	117	Resp:	225622
Ion	Ratio	Lower	Upper
117	100		
119	99.6	81.0	121.4
121	31.7	24.7	37.1





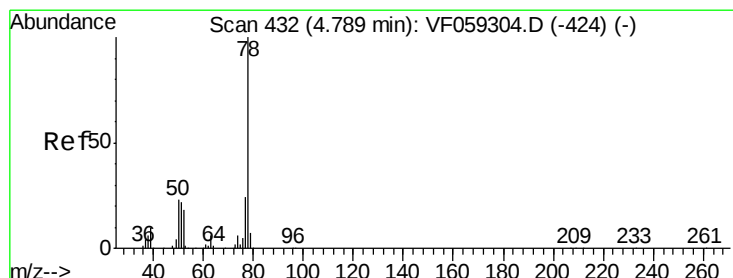
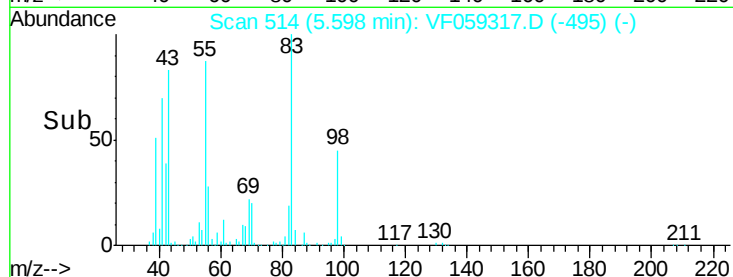
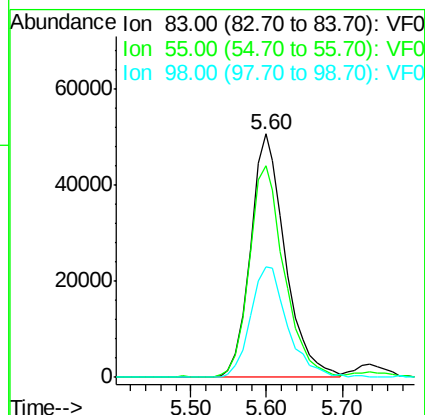
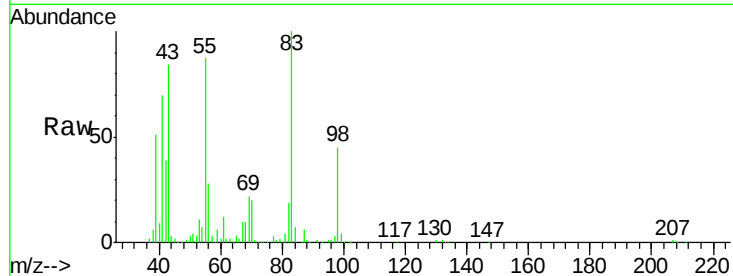
#39
Methvlcvclohexane
Concen: 49.77 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	69.2	103.8
98	45.4	35.0	52.6

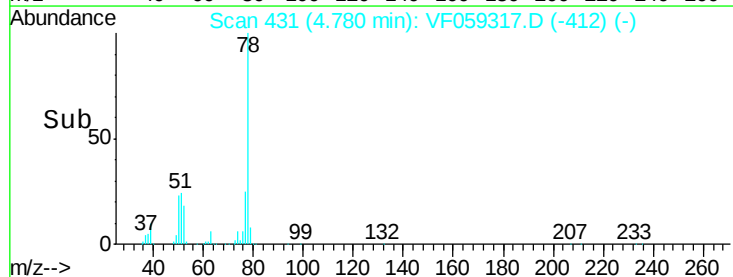
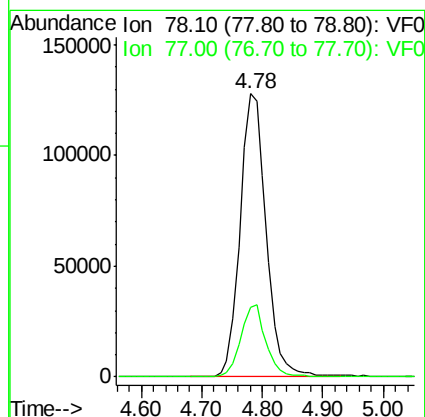
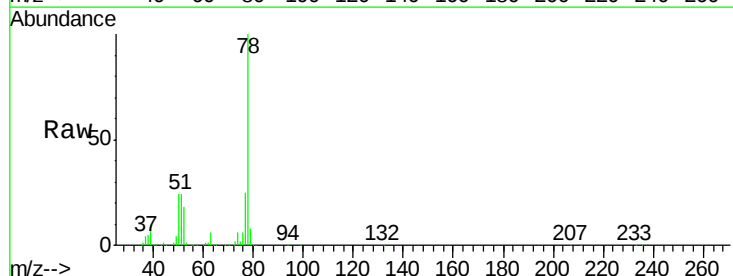
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#40
Benzene
Concen: 46.99 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4





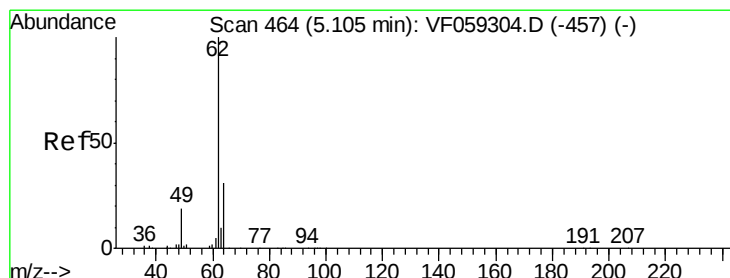
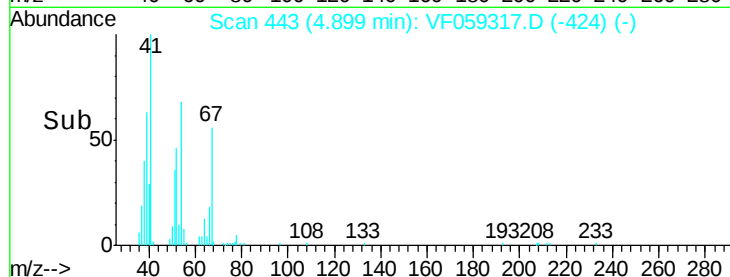
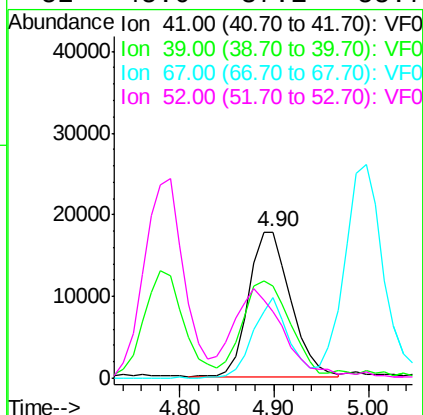
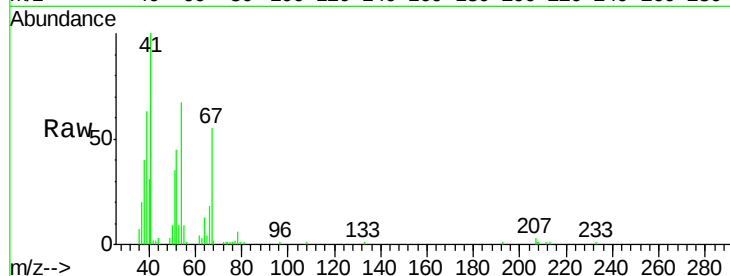
#41
Methacrylonitrile
Concen: 43.98 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.7	50.0	75.0	
67	55.3	37.0	55.6	
52	45.0	37.1	55.7	

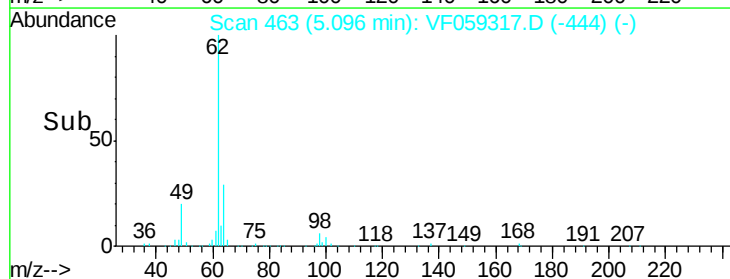
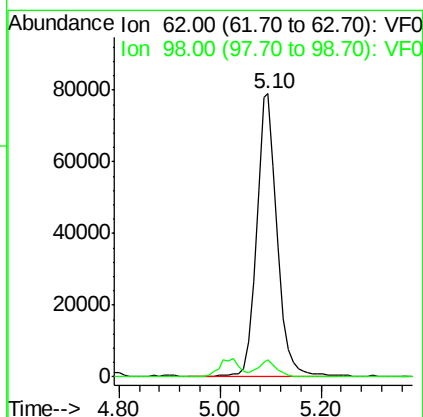
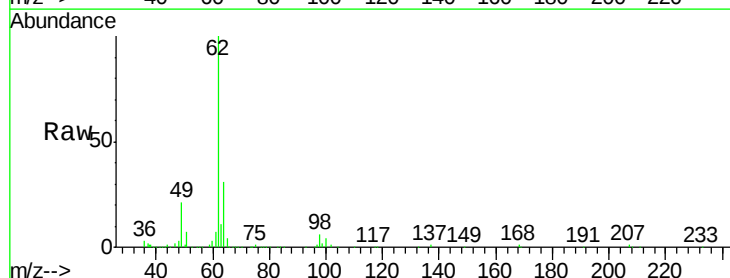
Manual Integrations
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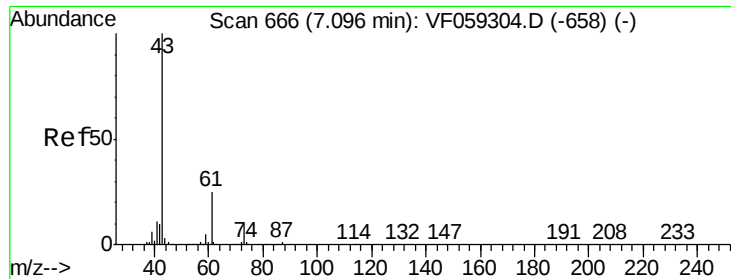
apatel
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#42
1,2-Dichloroethane
Concen: 47.75 ug/l
RT: 5.10 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.0	0.0	11.4	





#43

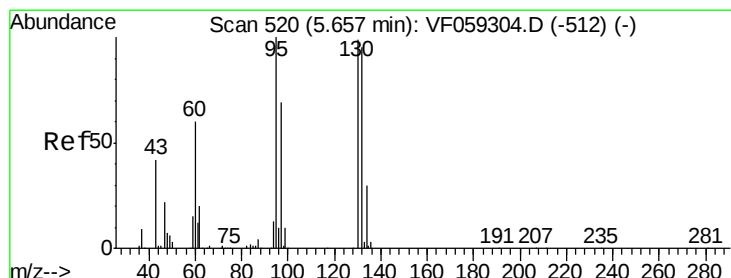
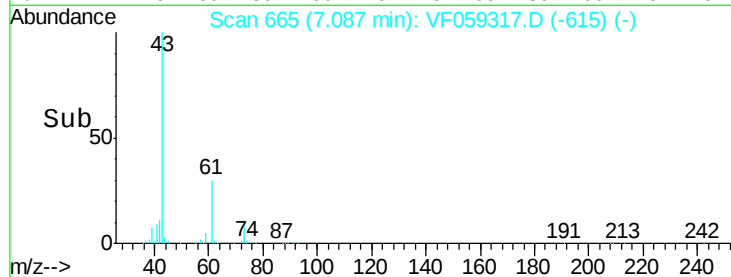
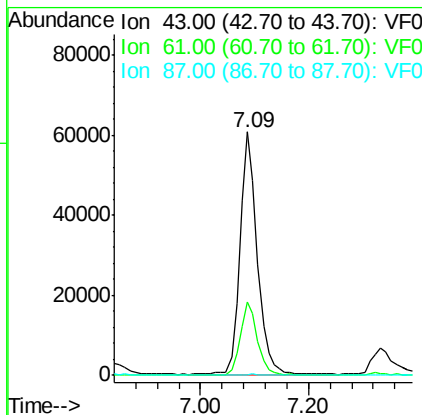
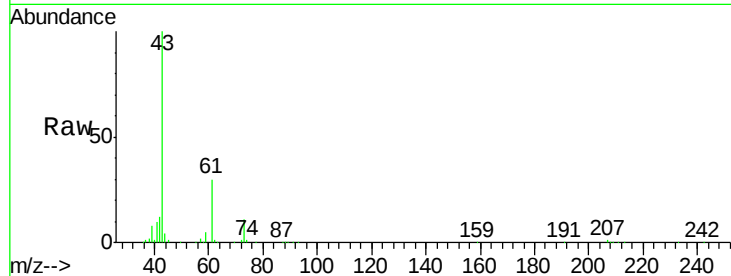
Isopropyl Acetate
 Concen: 44.45 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	19.7	29.5#
87	0.4	0.5	0.7#

Manual Integrations
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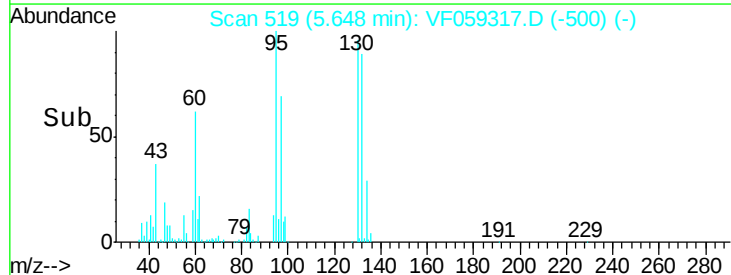
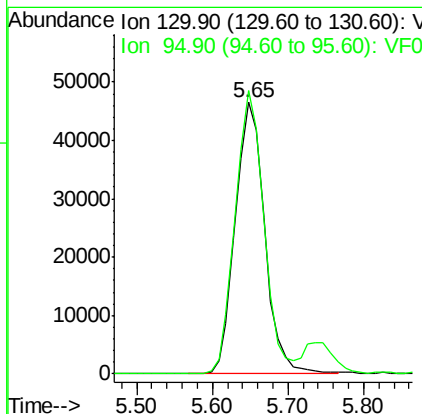
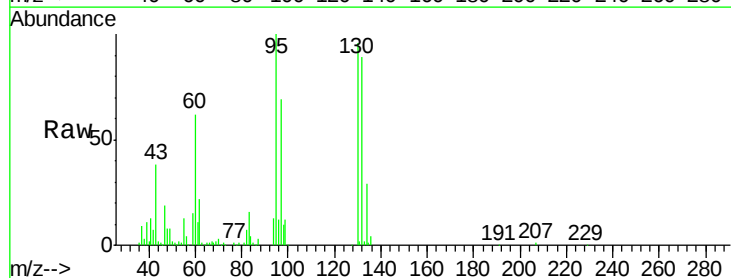
apatel
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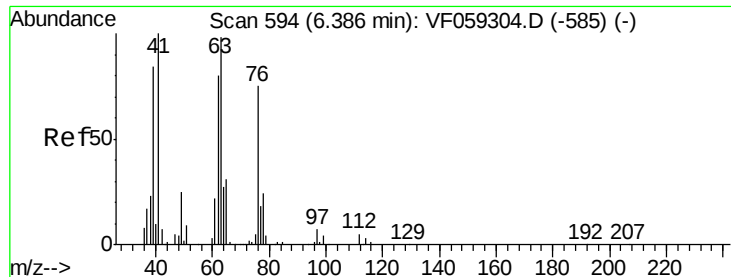


#44

Trichloroethene
 Concen: 44.93 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	202.4





#45

1,2-Dichloropropane

Concen: 48.95 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion: 63 Resp: 113697

Ion Ratio Lower Upper

63 100

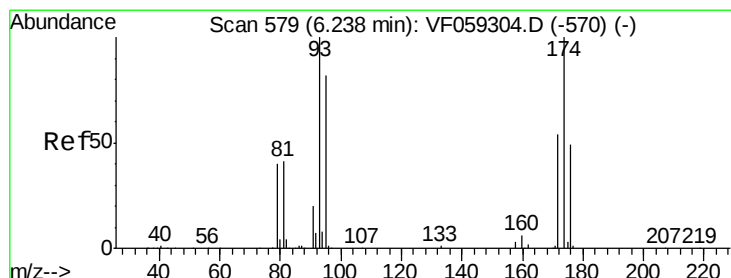
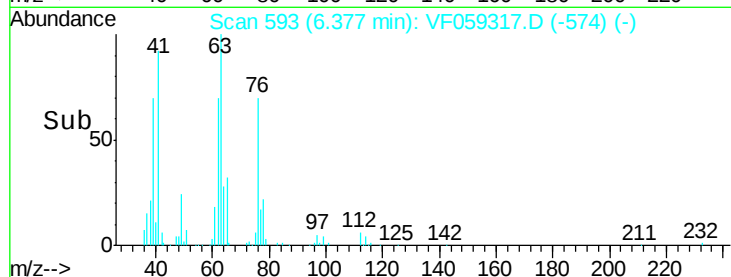
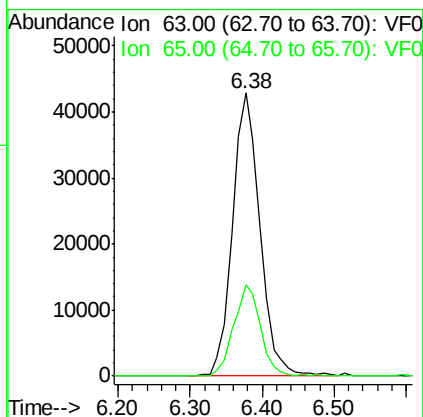
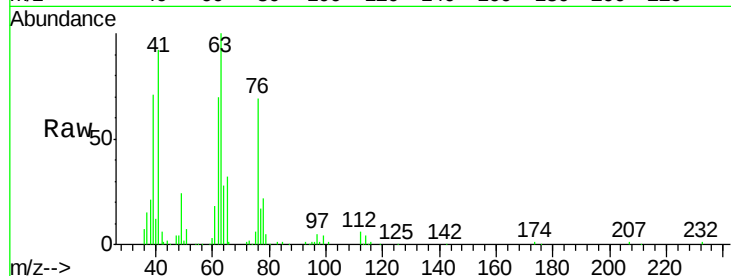
65 32.2 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 46.73 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

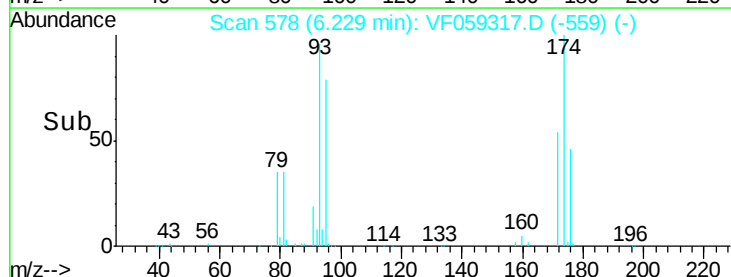
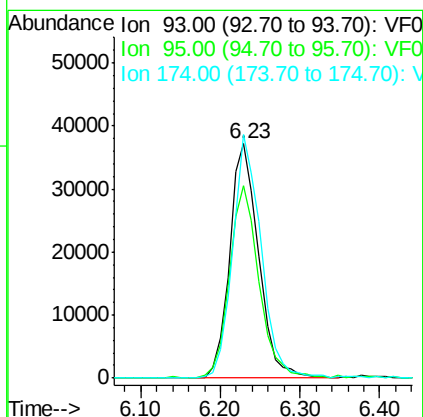
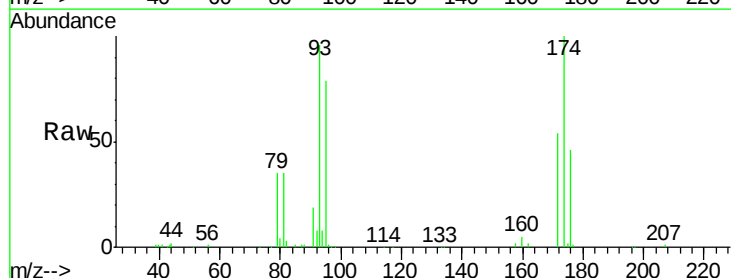
Tgt Ion: 93 Resp: 94205

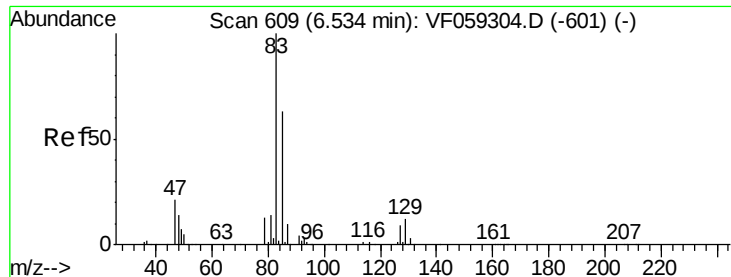
Ion Ratio Lower Upper

93 100

95 82.1 65.6 98.4

174 103.8 80.0 120.0





#47

Bromodichloromethane

Concen: 47.86 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

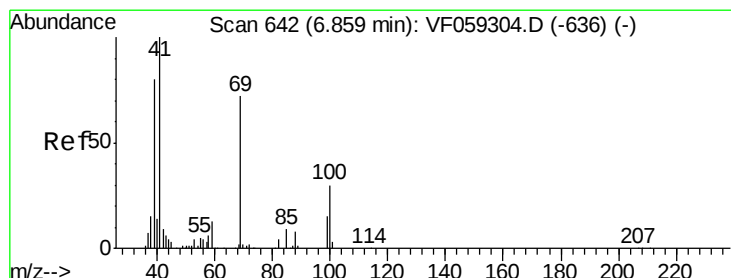
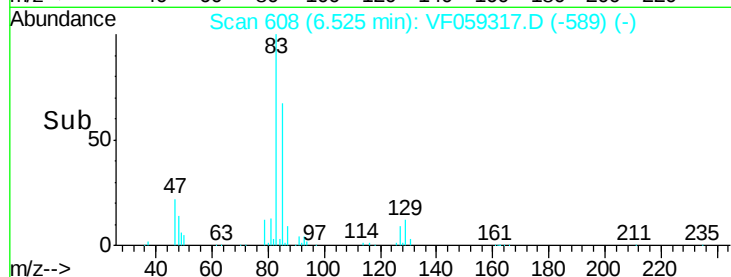
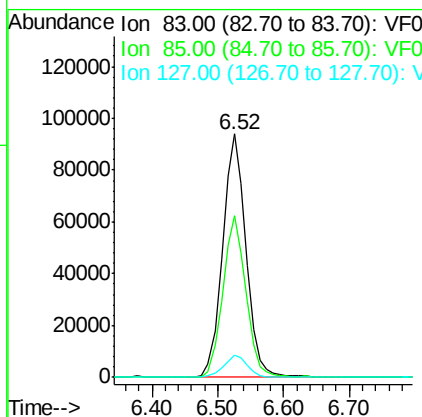
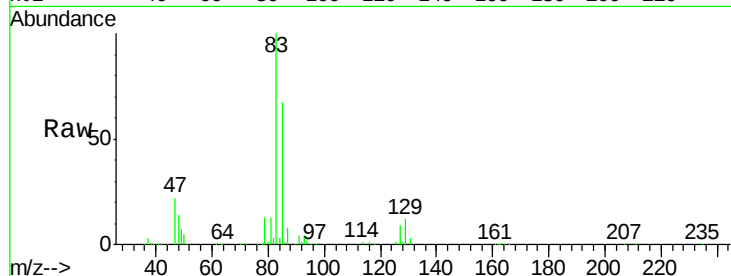
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	83	Resp:	233559
Ion Ratio	Lower	Upper	
83	100		
85	66.5	50.2	75.2
127	9.0	7.0	10.4

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#48

Methyl methacrylate

Concen: 47.86 ug/l

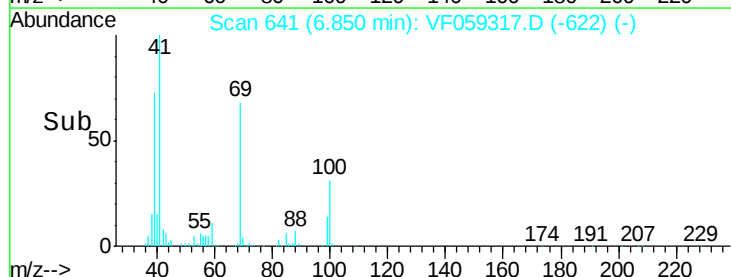
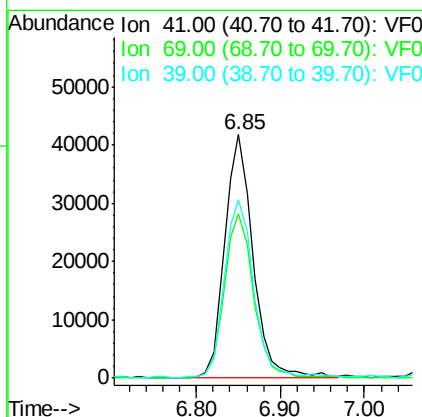
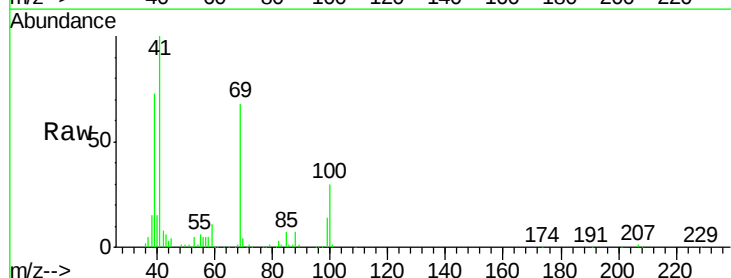
RT: 6.85 min Scan# 641

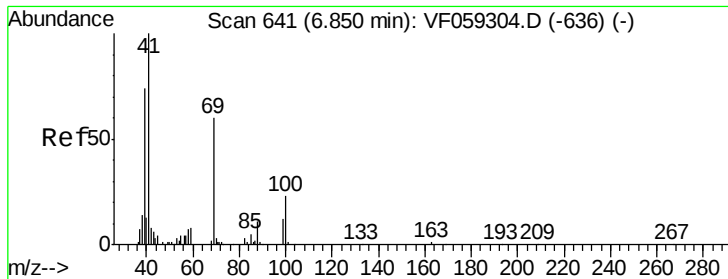
Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	41	Resp:	97956
Ion Ratio	Lower	Upper	
41	100		
69	67.6	57.3	85.9
39	73.0	64.4	96.6





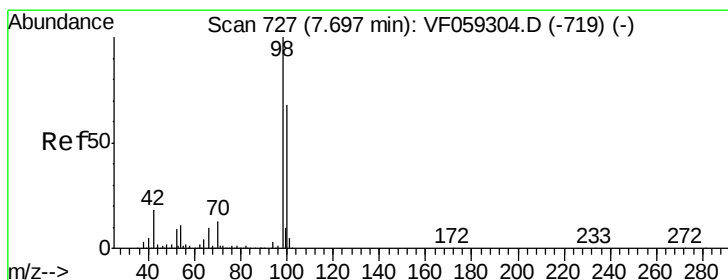
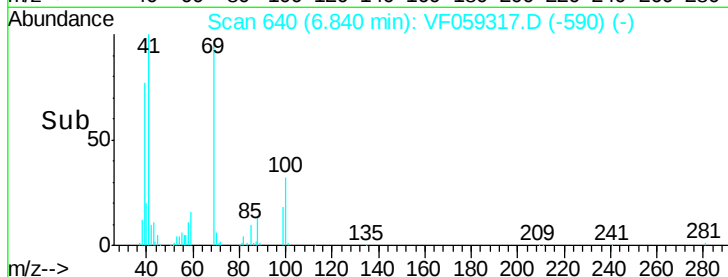
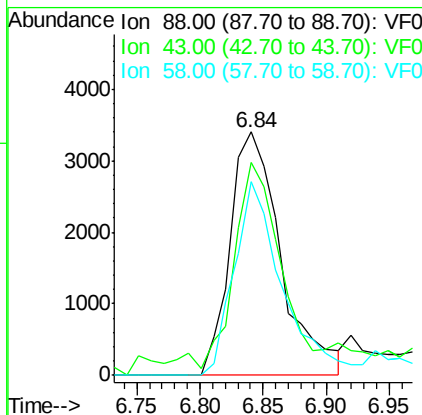
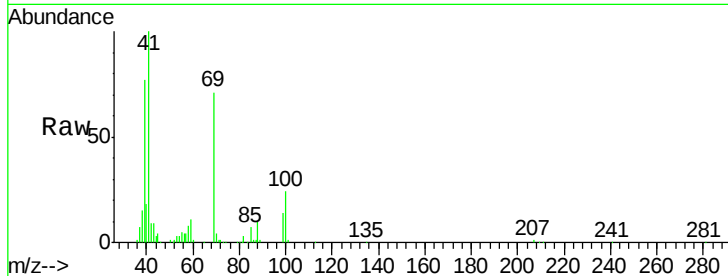
#49
1,4-Dioxane
Concen: 868.61 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	87.5	50.6	75.8#
58	79.4	46.6	69.8#

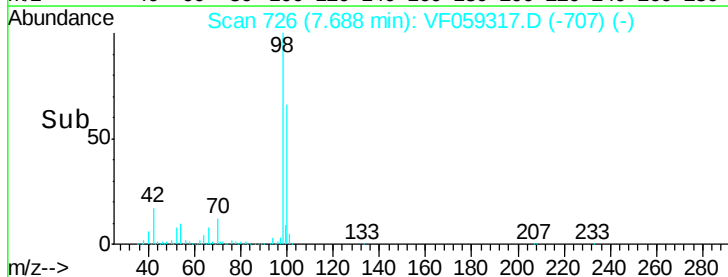
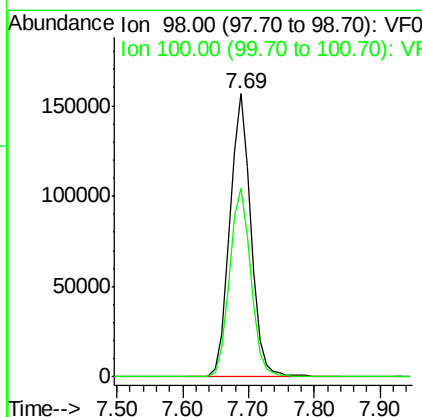
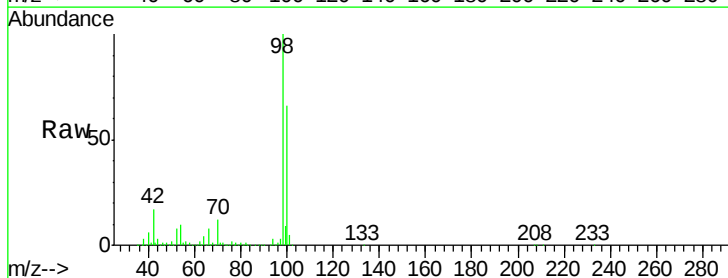
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#50
Toluene-d8
Concen: 46.39 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 235.32 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion: 43 Resp: 532401

Ion Ratio Lower Upper

43 100

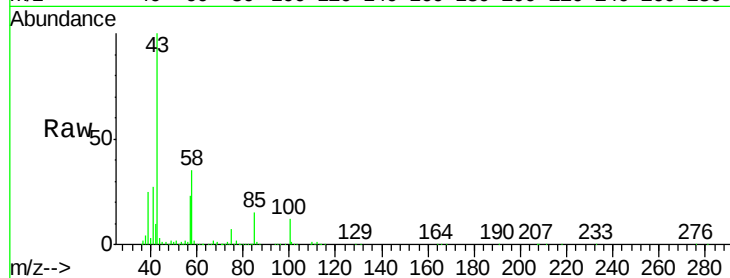
58 35.4 28.4 42.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

200000

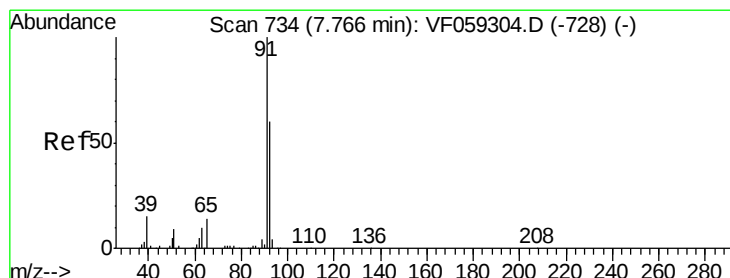
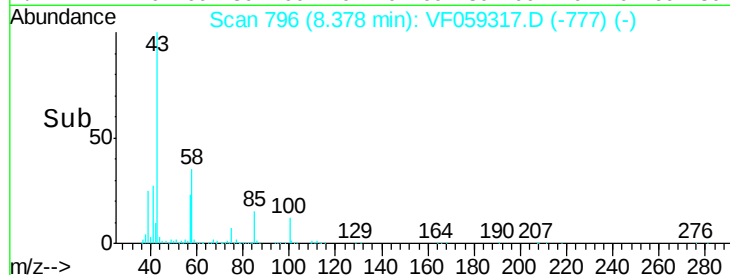
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 46.79 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059317.D

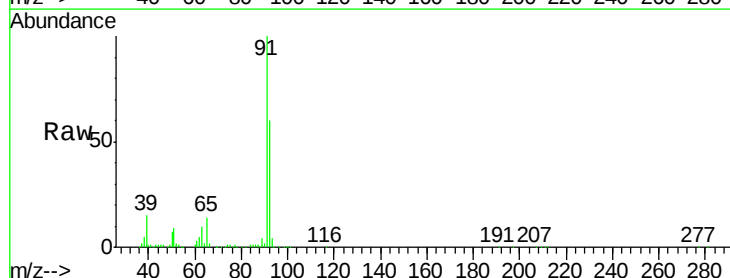
Acq: 26 Jun 2018 15:22

Tgt Ion: 92 Resp: 284636

Ion Ratio Lower Upper

92 100

91 165.7 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

200000

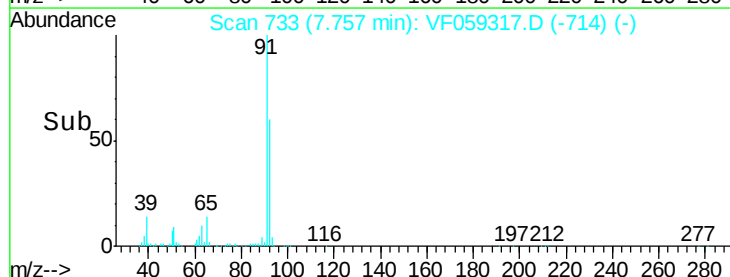
150000

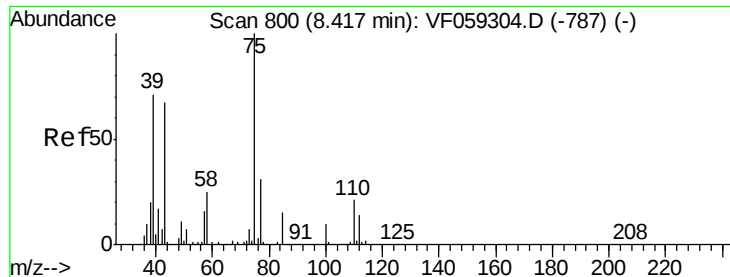
100000

50000

0

Time-->





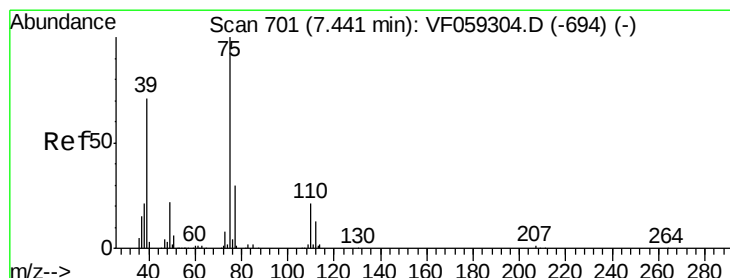
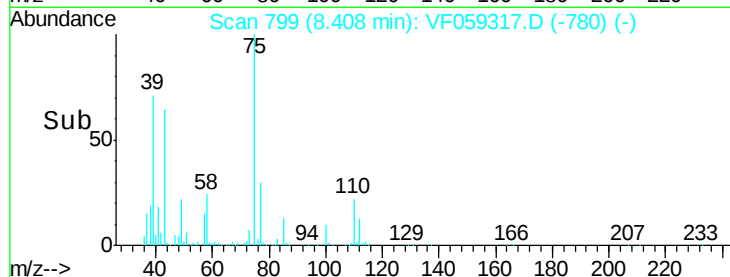
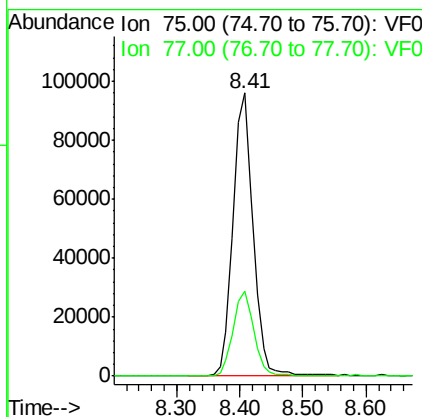
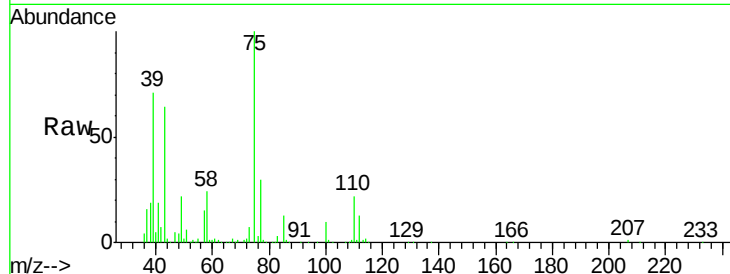
#53
 t-1,3-Dichloropropene
 Concen: 47.39 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MSD

Tot Ion: 75 Resp: 210808
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.3 37.9

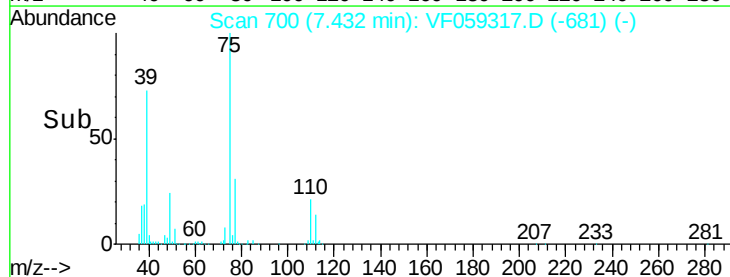
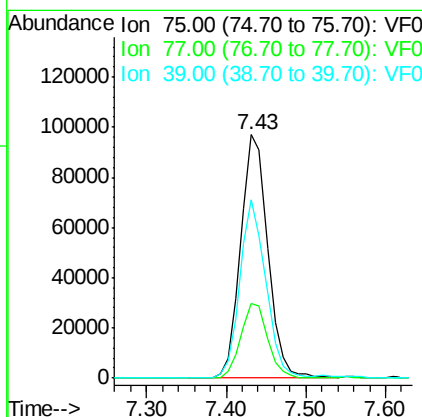
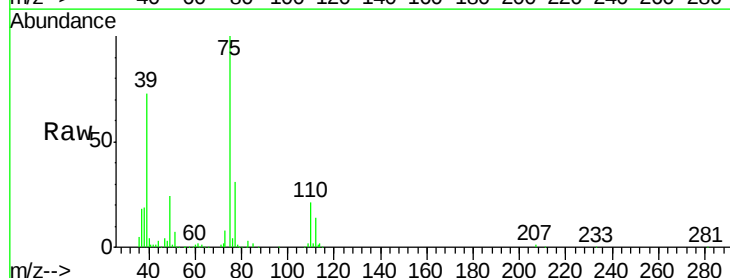
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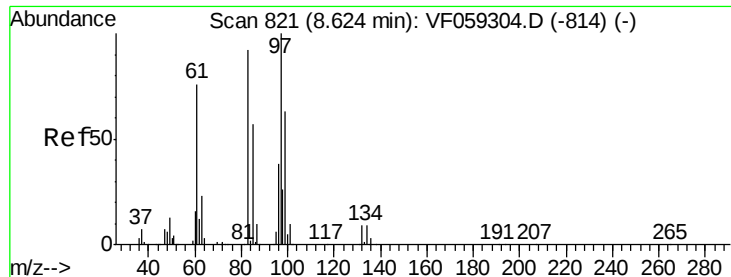
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#54
 cis-1,3-Dichloropropene
 Concen: 47.33 ug/l
 RT: 7.43 min Scan# 700
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Tgt Ion: 75 Resp: 228683
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.3 36.5
 39 73.1 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 47.00 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

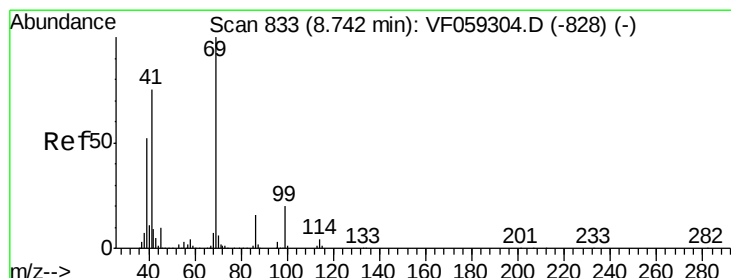
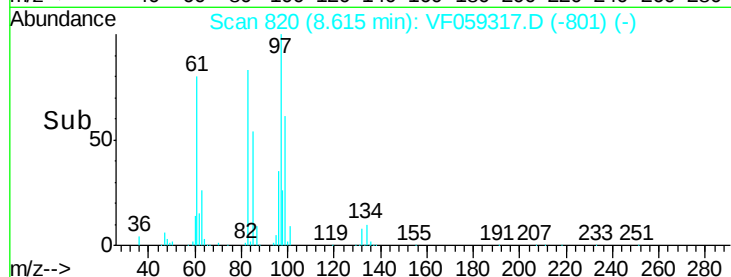
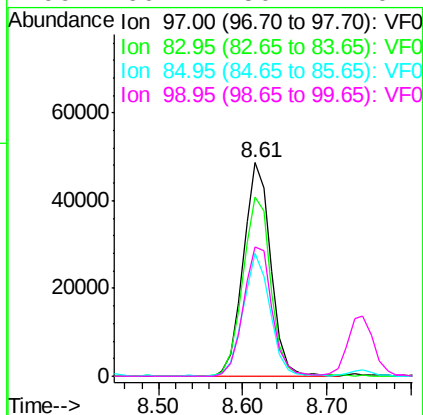
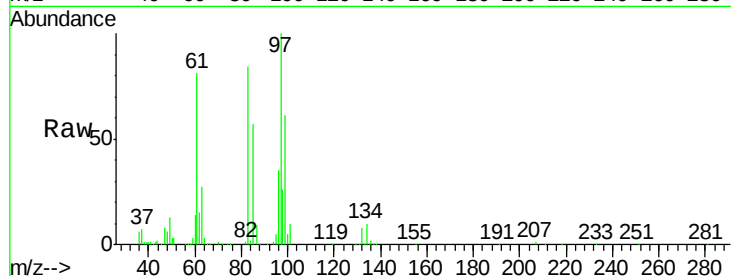
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	97	Resp:	110997
Ion	Ratio	Lower	Upper
97	100		
83	84.1	73.8	110.8
85	57.4	45.5	68.3
99	60.7	50.7	76.1

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#56

Ethyl methacrylate

Concen: 46.91 ug/l

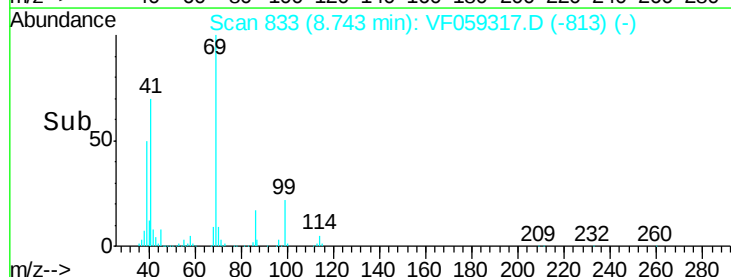
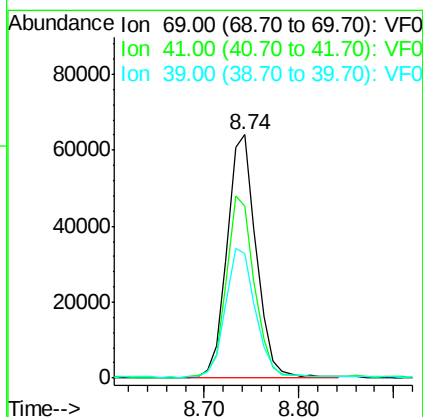
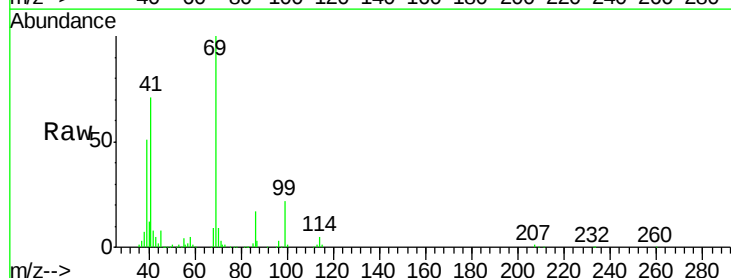
RT: 8.74 min Scan# 833

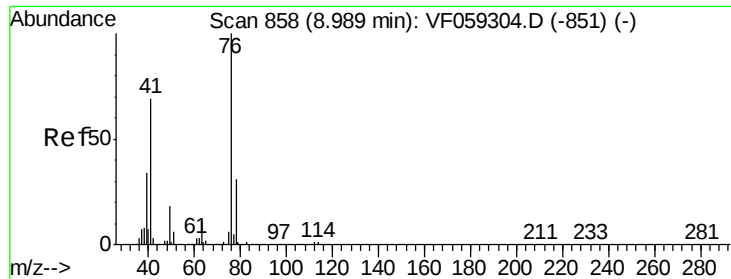
Delta R.T. 0.00 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	69	Resp:	137256
Ion	Ratio	Lower	Upper
69	100		
41	70.7	60.3	90.5
39	51.3	42.2	63.4





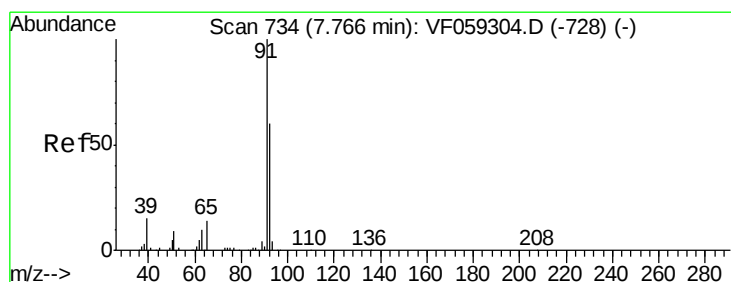
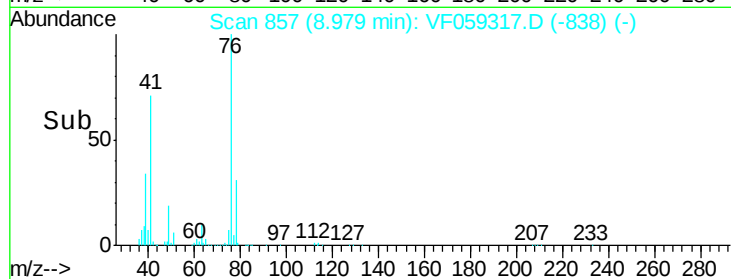
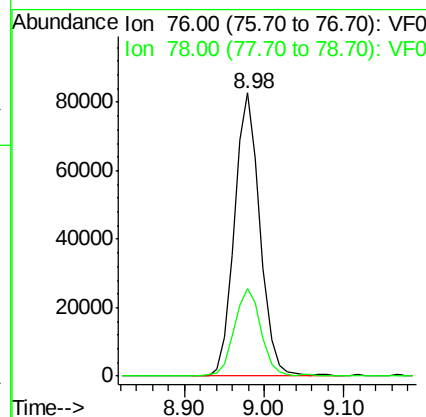
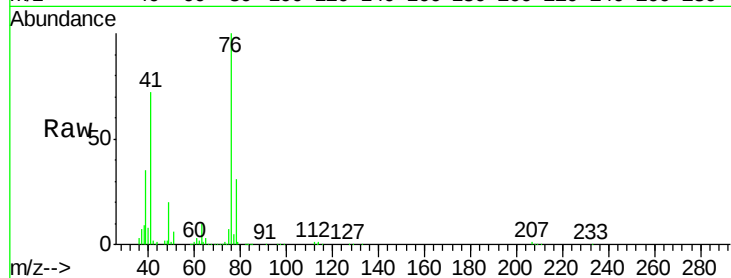
#57
 1,3-Dichloropropane
 Concen: 45.89 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.1	24.9	37.3

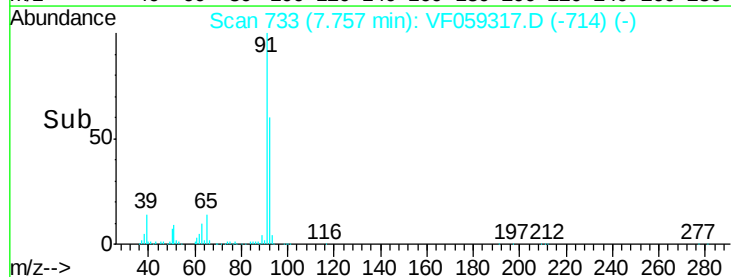
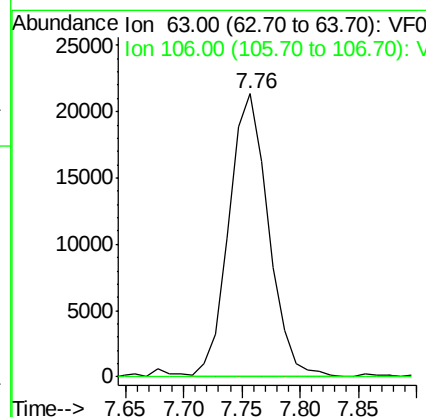
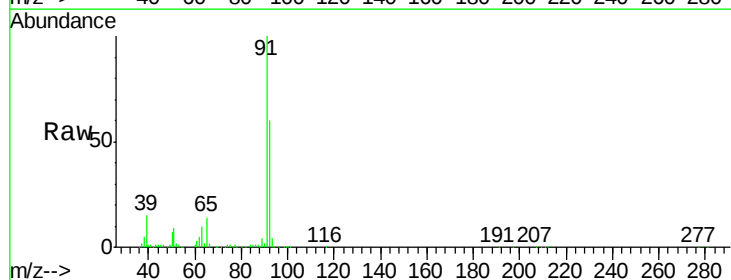
Manual Integrations
 APPROVED

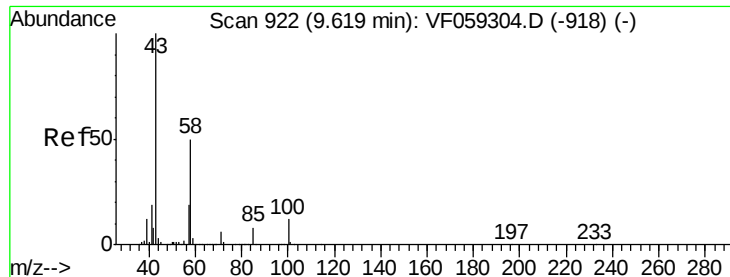
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 228.89 ug/l
 RT: 7.76 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





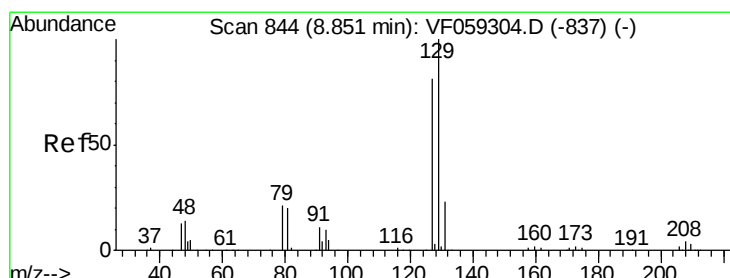
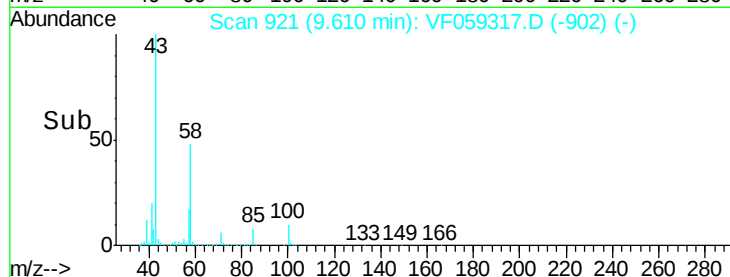
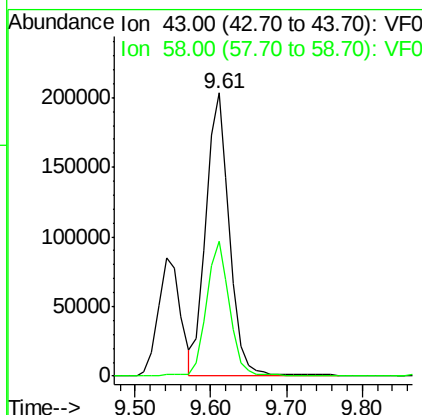
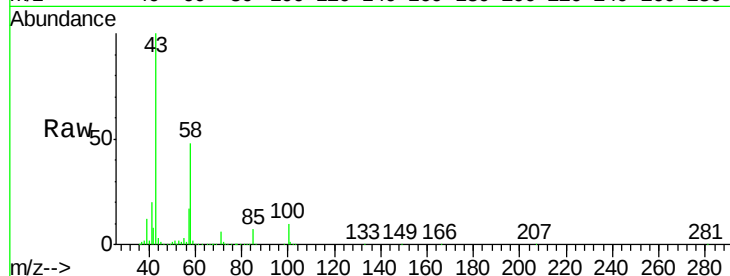
#59
2-Hexanone
Concen: 257.93 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion: 43 Resp: 437494
Ion Ratio Lower Upper
43 100
58 47.7 23.3 69.9

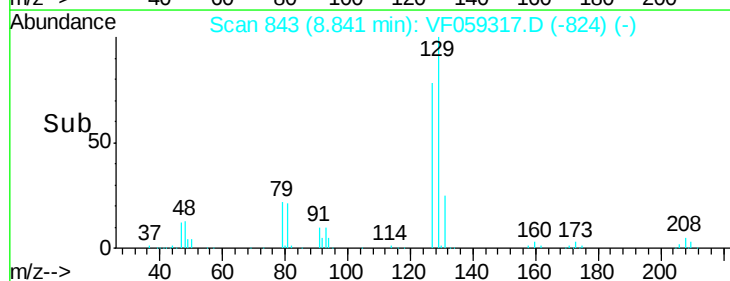
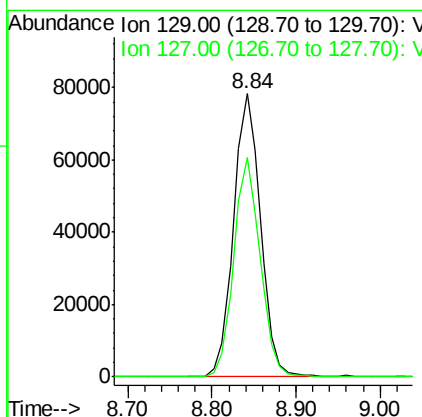
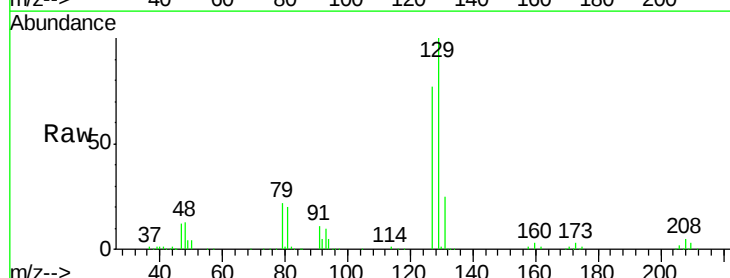
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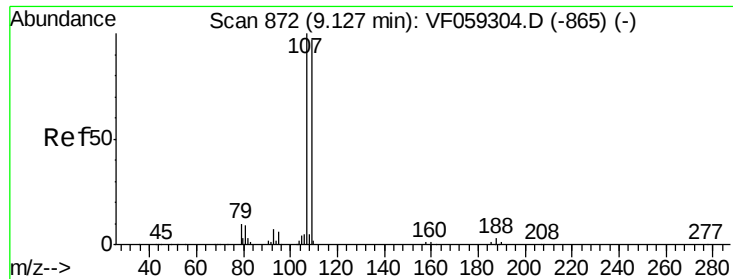
apatel
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#60
Dibromochloromethane
Concen: 47.96 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion: 129 Resp: 174868
Ion Ratio Lower Upper
129 100
127 77.4 40.7 122.1





#61

1,2-Dibromoethane

Concen: 46.15 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion: 107 Resp: 132182

Ion Ratio Lower Upper

107 100

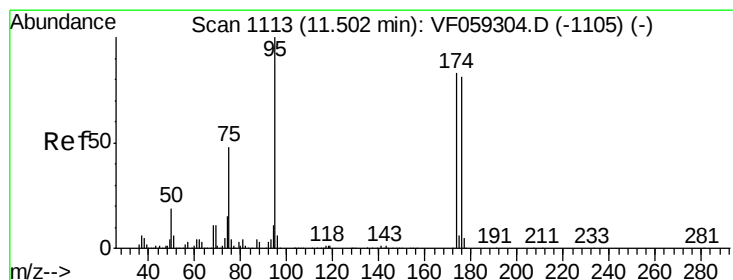
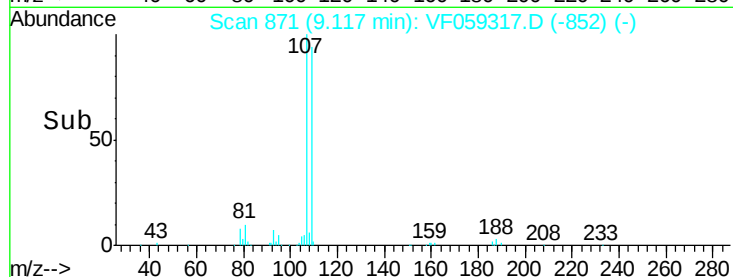
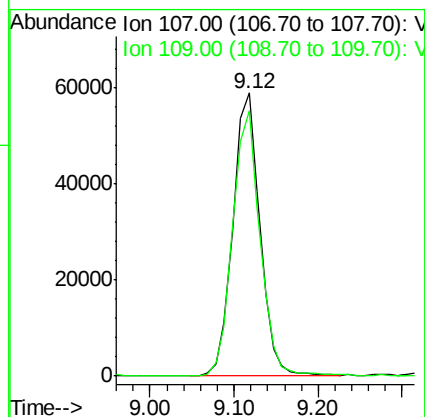
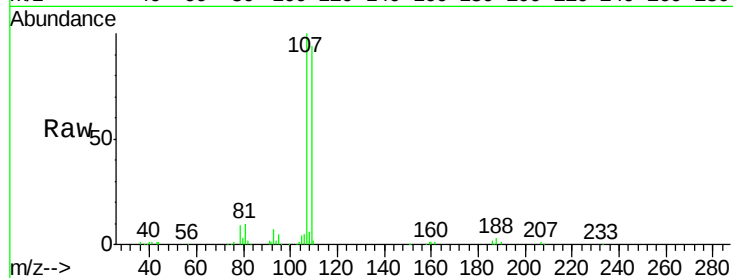
109 93.6 77.3 115.9

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#62

4-Bromofluorobenzene

Concen: 45.64 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

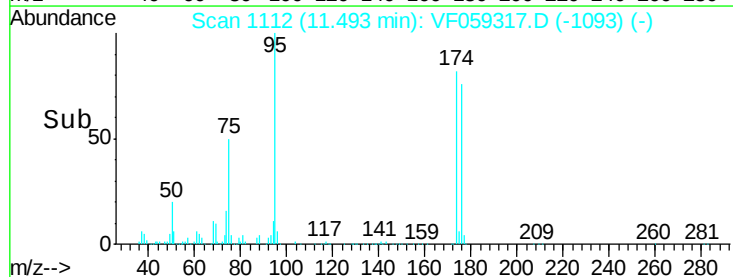
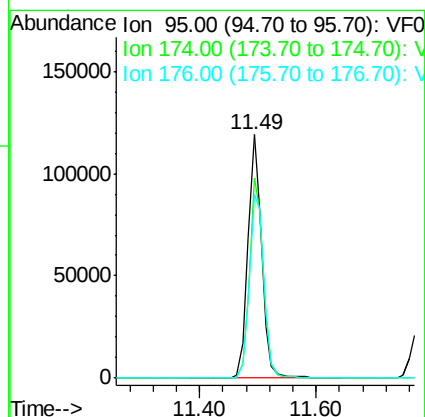
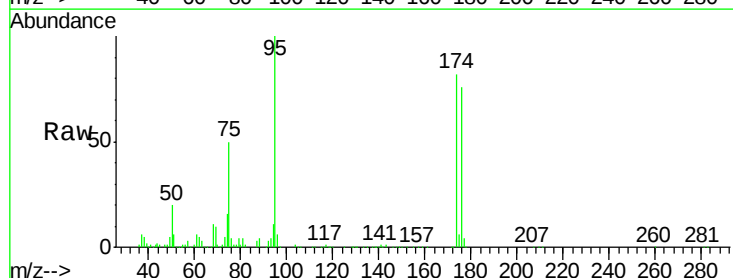
Tgt Ion: 95 Resp: 195482

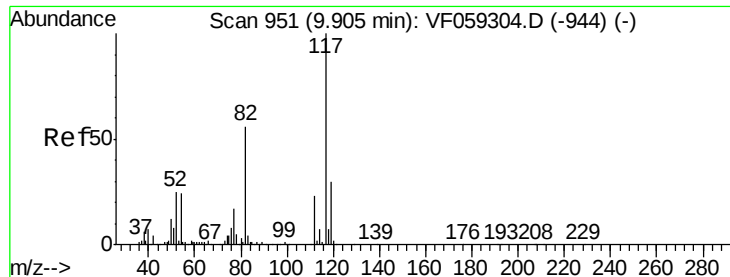
Ion Ratio Lower Upper

95 100

174 82.3 0.0 165.2

176 75.6 0.0 161.0





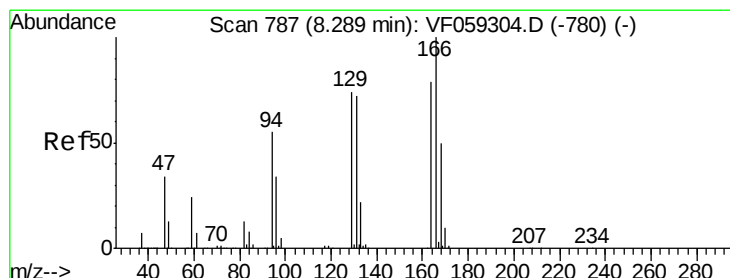
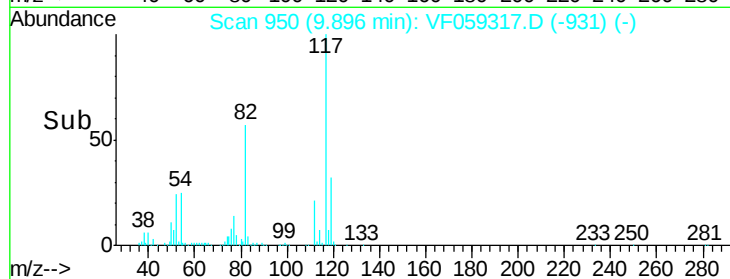
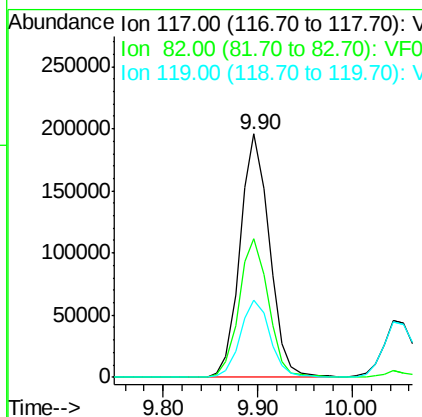
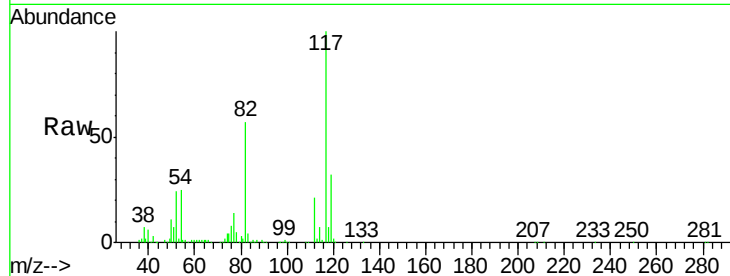
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	421612		
82	56.8		44.6	66.8
119	31.7		24.1	36.1

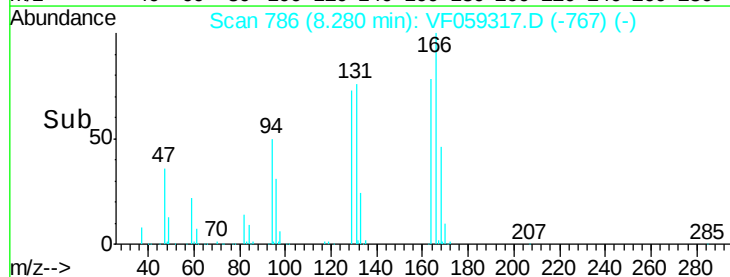
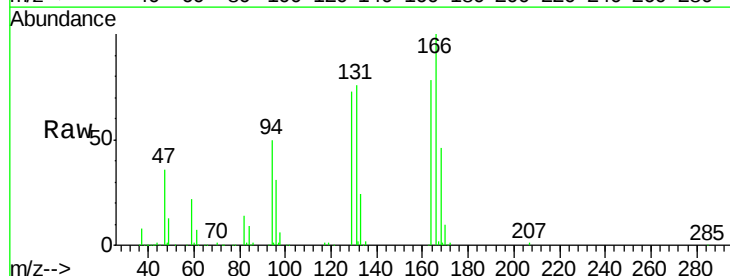
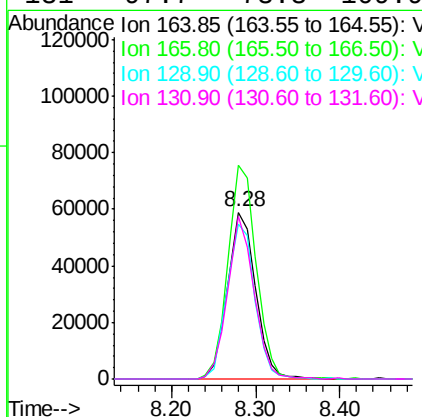
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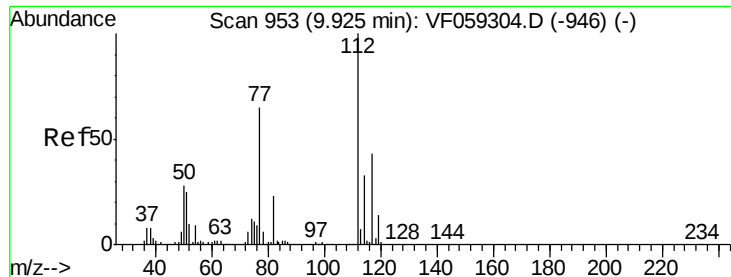
apatel
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#64
Tetrachloroethene
Concen: 50.36 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	137698		
166	128.2		101.1	151.7
129	93.2		75.0	112.4
131	97.7		73.3	109.9





#65

Chlorobenzene

Concen: 46.36 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:112 Resp: 362198

Ion Ratio Lower Upper

112 100

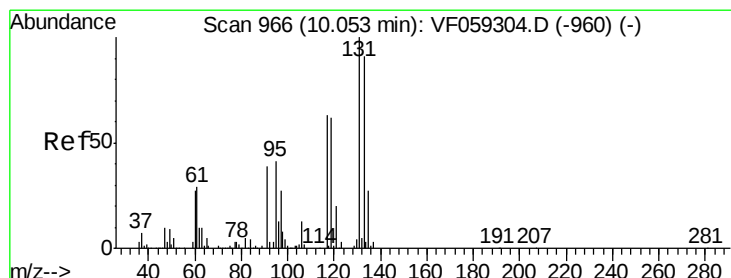
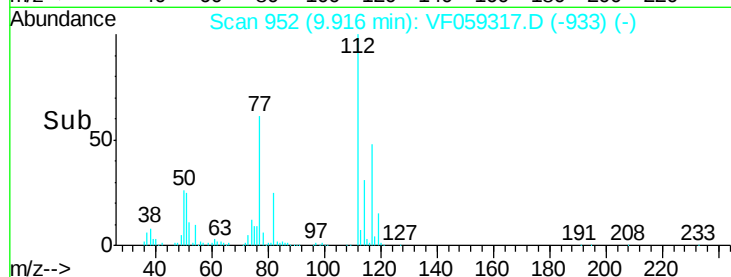
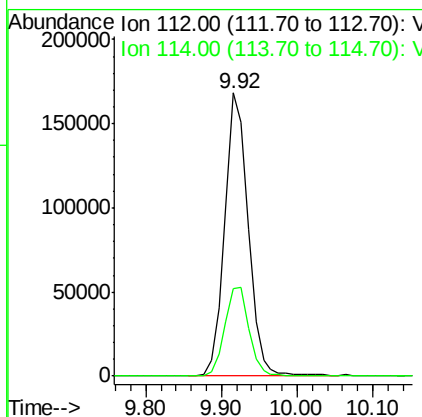
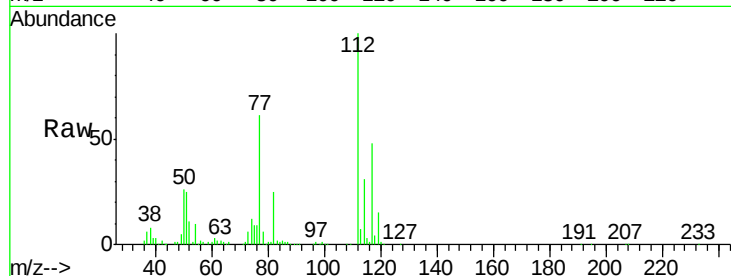
114 31.0 26.5 39.7

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#66

1,1,1,2-Tetrachloroethane

Concen: 45.32 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

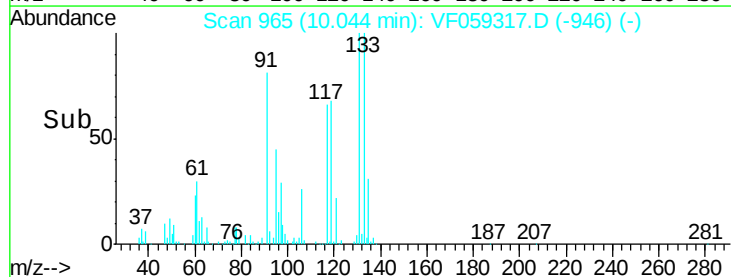
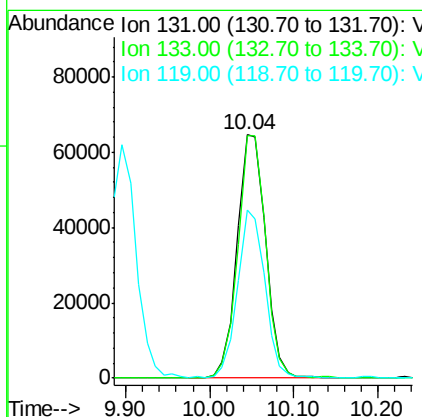
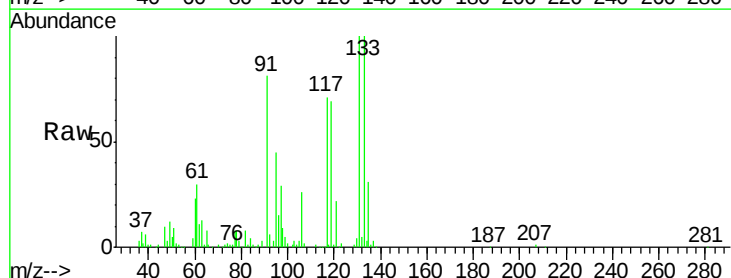
Tgt Ion:131 Resp: 153150

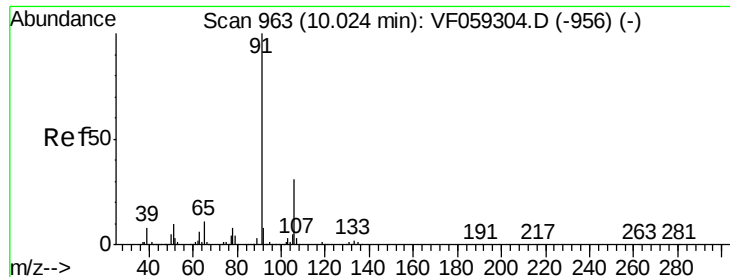
Ion Ratio Lower Upper

131 100

133 99.8 45.3 135.9

119 69.0 31.3 93.9





#67

Ethyl Benzene

Concen: 46.10 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tot Ion: 91 Resp: 611050

Ion Ratio Lower Upper

91 100

106 30.4 24.8 37.2

Instrument :

MSVOA_F

ClientSampleId :

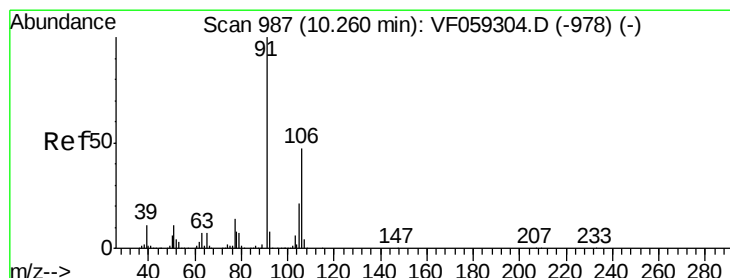
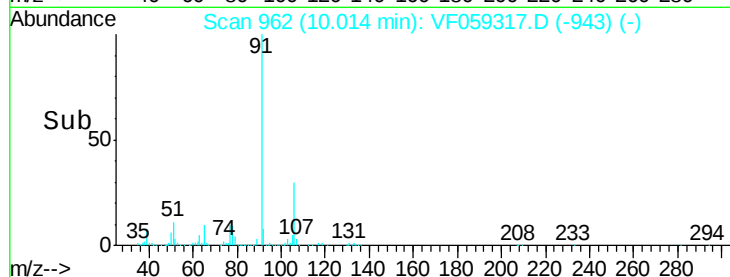
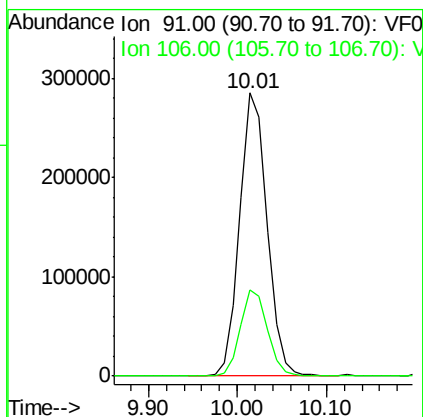
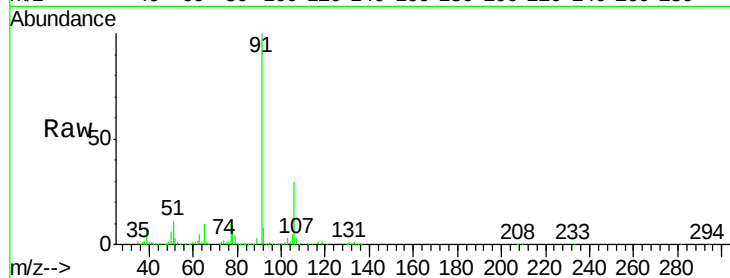
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#68

m/p-Xylenes

Concen: 95.05 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059317.D

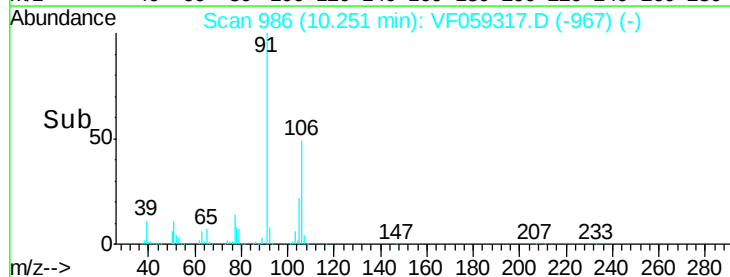
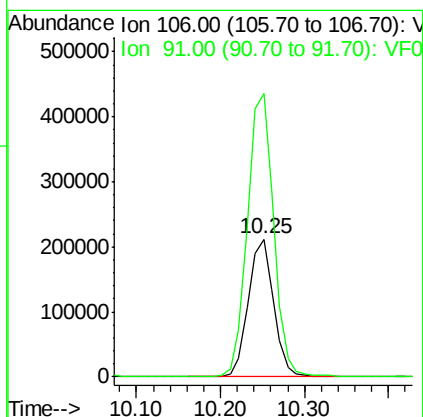
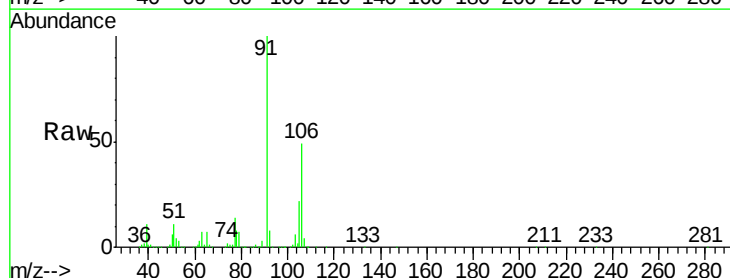
Acq: 26 Jun 2018 15:22

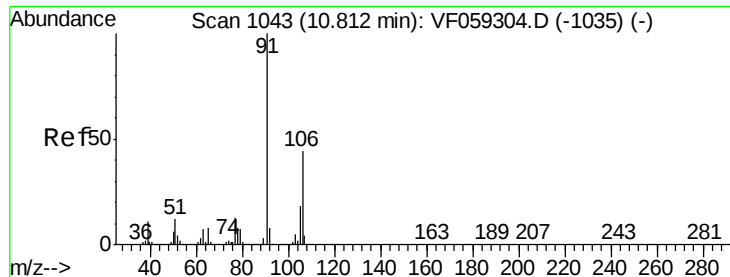
Tgt Ion: 106 Resp: 448369

Ion Ratio Lower Upper

106 100

91 205.1 170.8 256.2





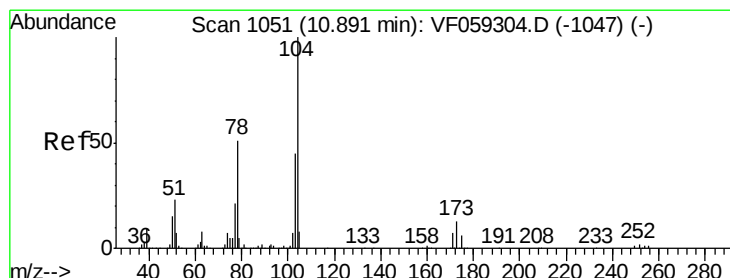
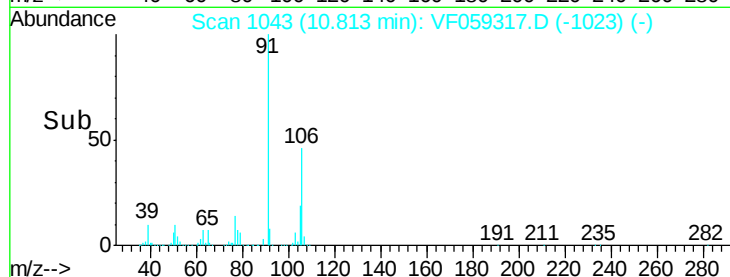
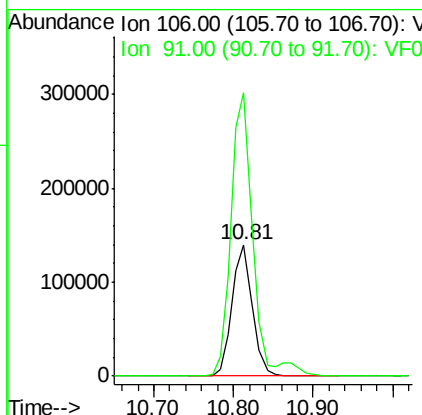
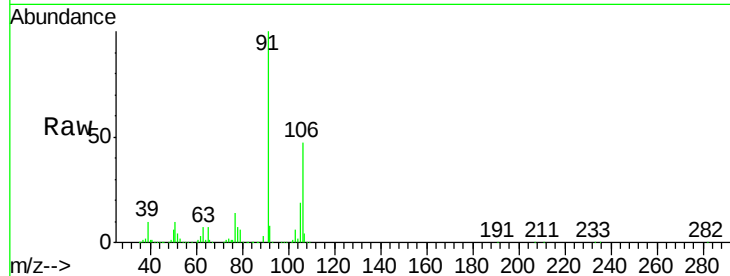
#69
o-Xylene
Concen: 47.68 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion:106 Resp: 251582
Ion Ratio Lower Upper
106 100
91 215.0 114.6 343.6

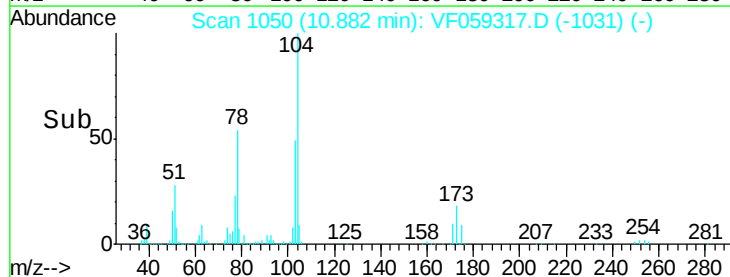
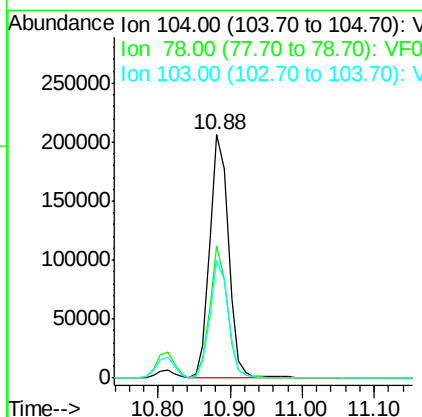
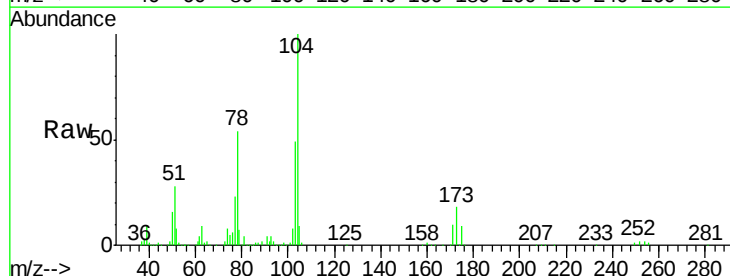
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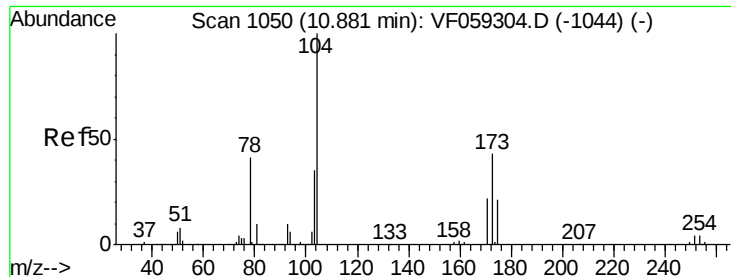
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#70
Styrene
Concen: 46.12 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion:104 Resp: 370672
Ion Ratio Lower Upper
104 100
78 54.4 40.9 61.3
103 48.8 36.5 54.7





#71

Bromoform

Concen: 48.01 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

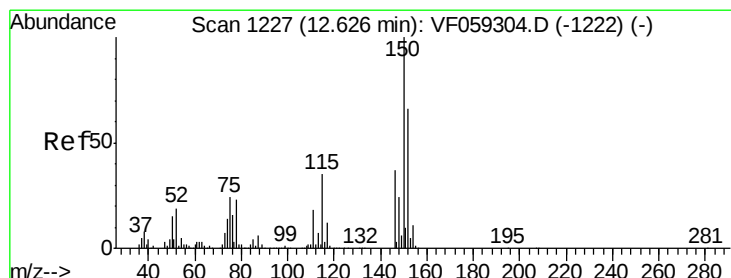
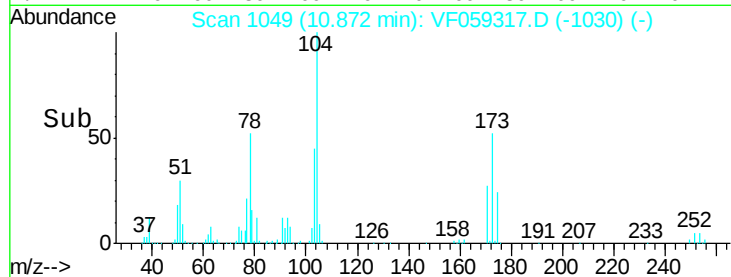
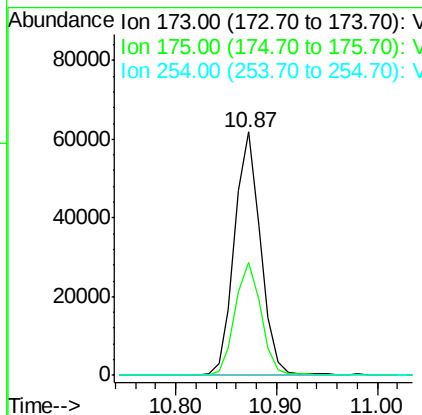
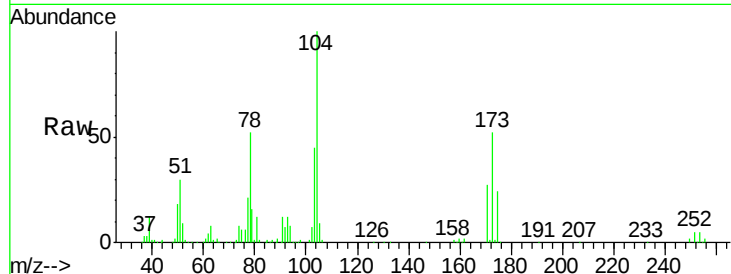
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	24.8	74.3
254	0.2	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

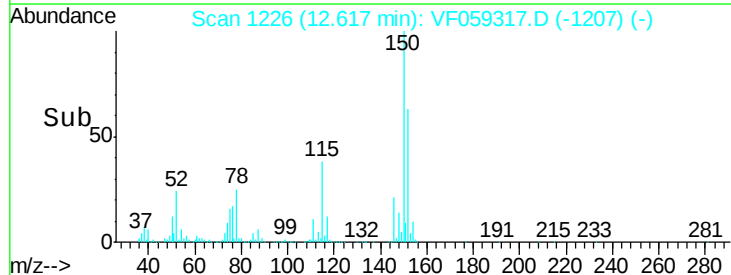
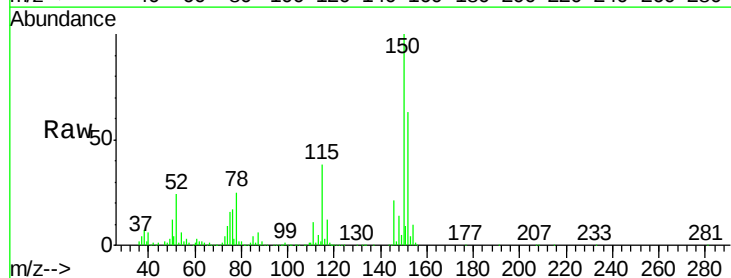
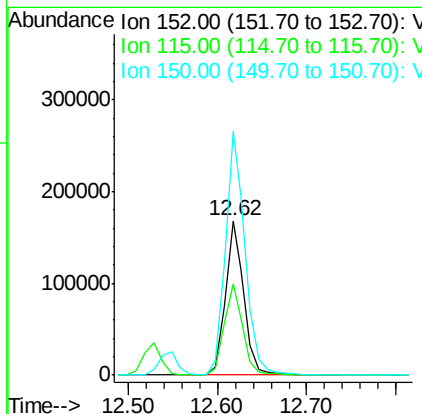
RT: 12.62 min Scan# 1226

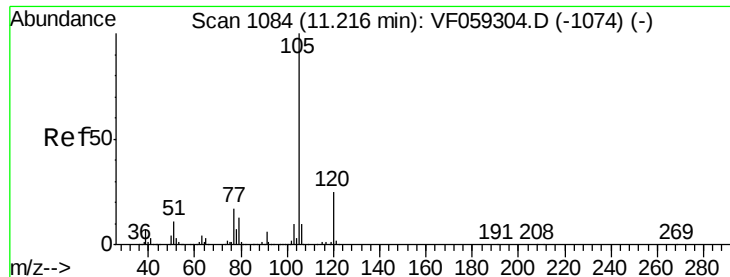
Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	27.1	81.3
150	157.7	0.0	305.2





#73

Isopropylbenzene

Concen: 50.11 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion: 105 Resp: 715741

Ion Ratio Lower Upper

105 100

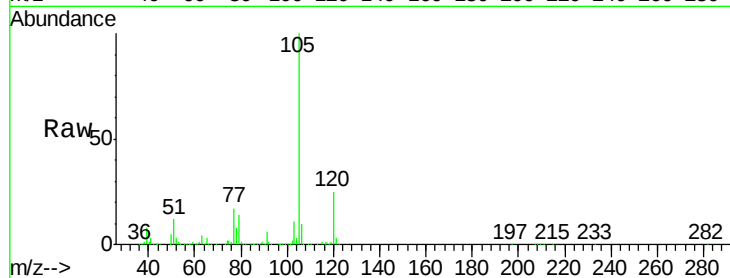
120 25.1 12.3 36.8

Manual Integrations

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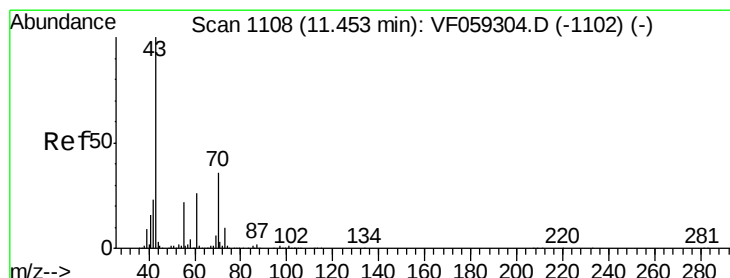
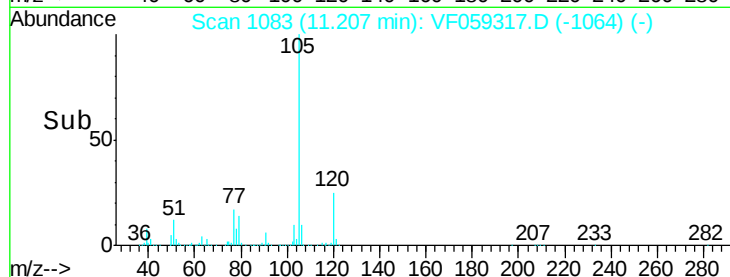
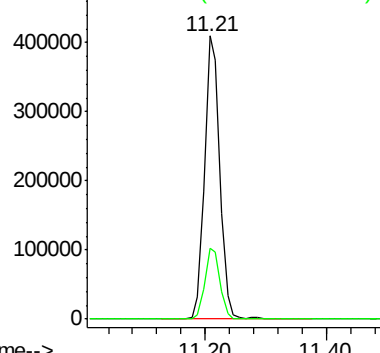
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.19 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion: 43 Resp: 244619

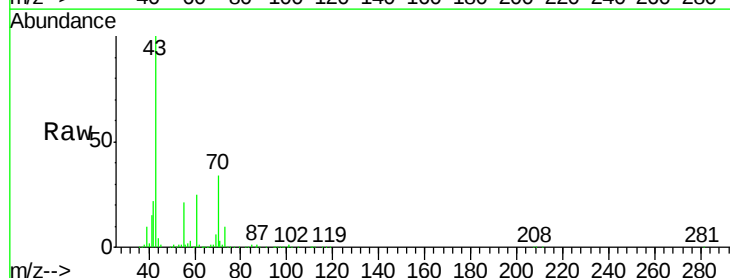
Ion Ratio Lower Upper

43 100

70 34.3 28.8 43.2

55 20.9 17.4 26.0

61 25.4 21.1 31.7

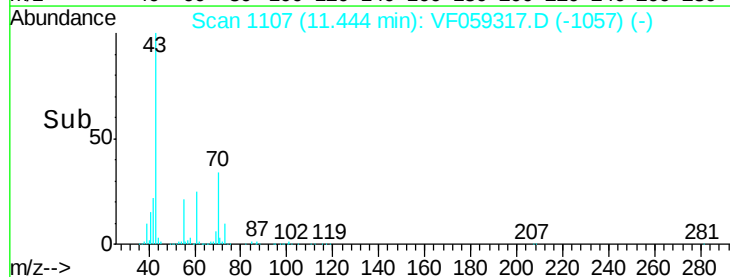
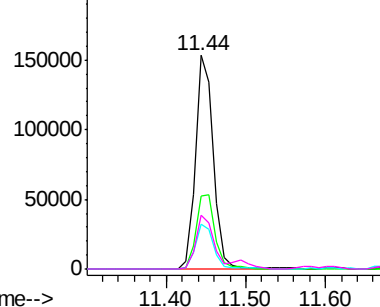


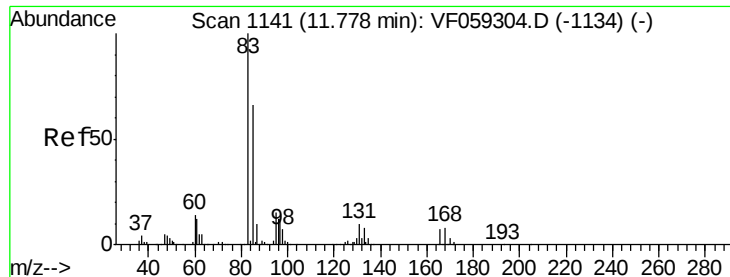
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.59 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

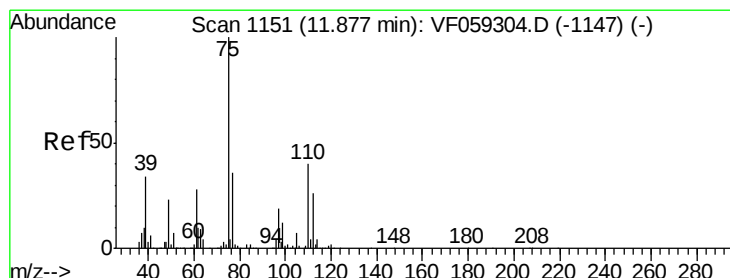
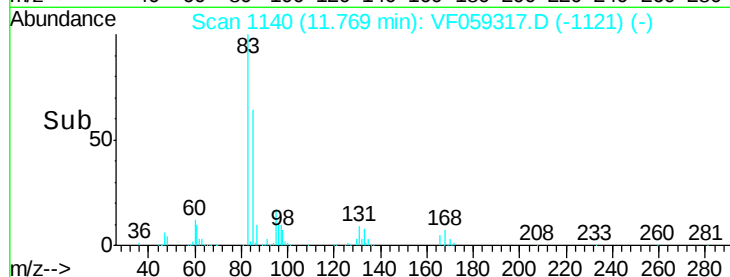
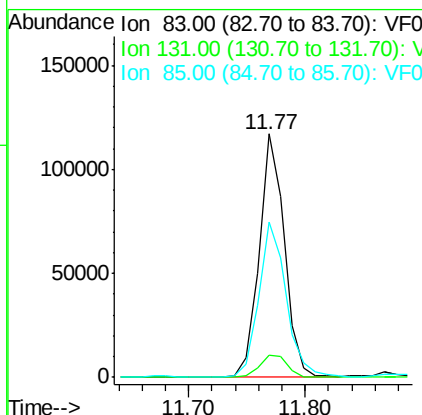
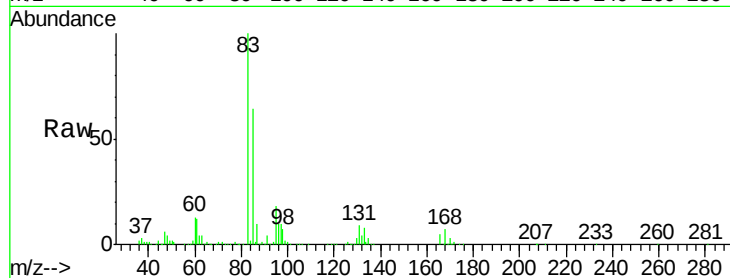
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	83	Resp:	175279
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.9	14.6
85	63.8	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 48.72 ug/l

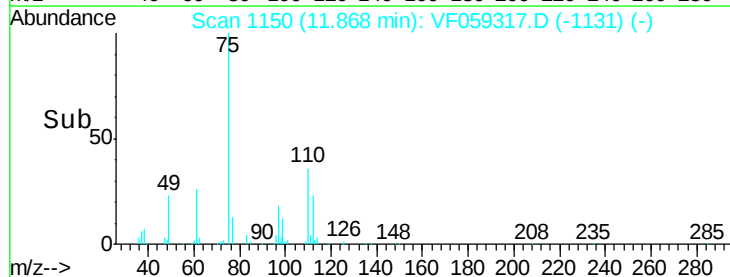
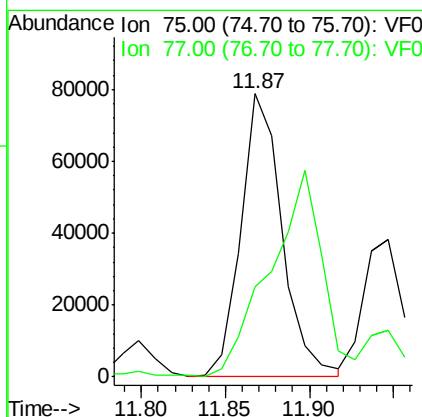
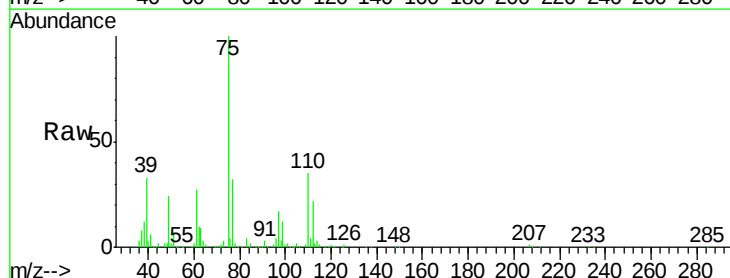
RT: 11.87 min Scan# 1150

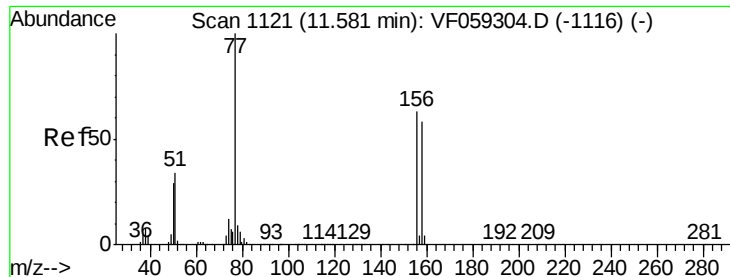
Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	75	Resp:	132565
Ion Ratio	Lower	Upper	
75	100		
77	32.0	18.0	54.0





#77

Bromobenzene

Concen: 47.35 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

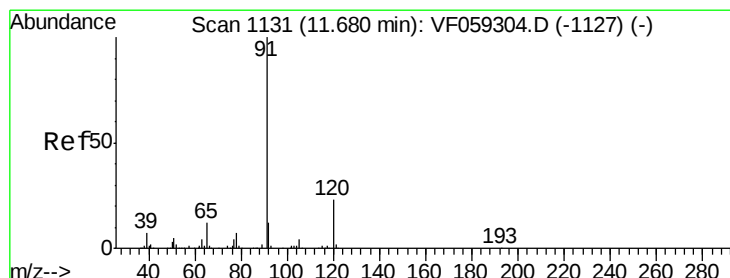
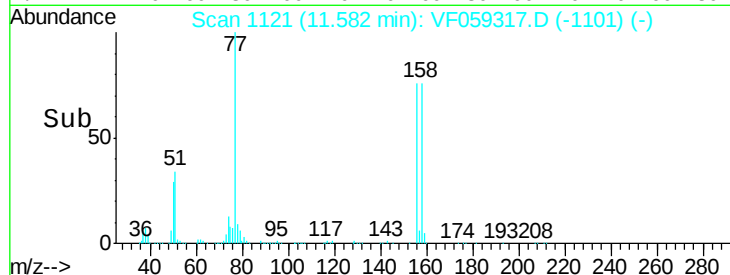
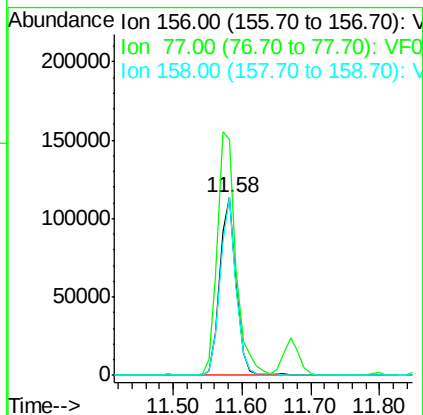
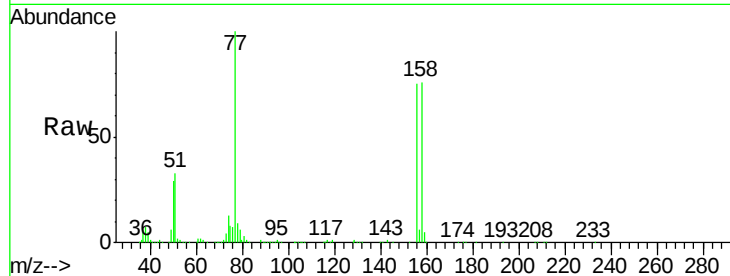
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	156	Resp:	187628
Ion Ratio	Lower	Upper	
156	100		
77	132.6	79.7	238.9
158	100.5	46.2	138.6

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#78

n-propylbenzene

Concen: 48.86 ug/l

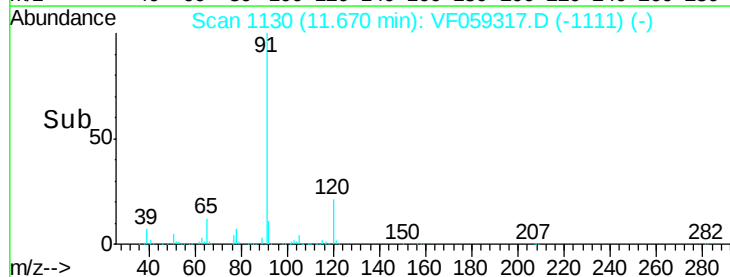
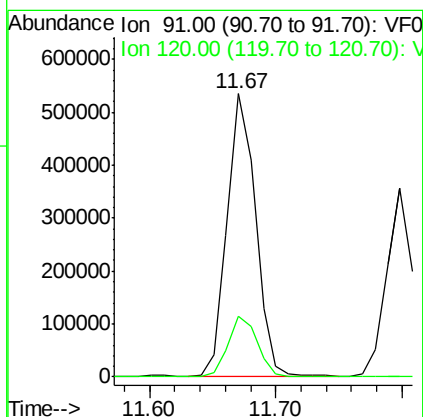
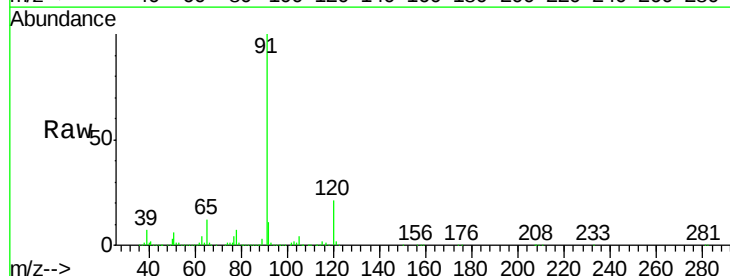
RT: 11.67 min Scan# 1130

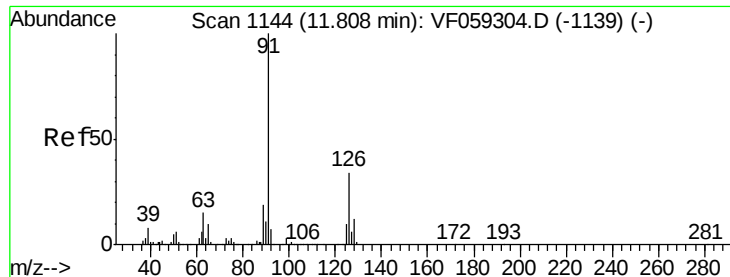
Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	91	Resp:	838170
Ion Ratio	Lower	Upper	
91	100		
120	21.3	11.7	35.0





#79

2-Chlorotoluene

Concen: 49.20 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion: 91 Resp: 515624

Ion Ratio Lower Upper

91 100

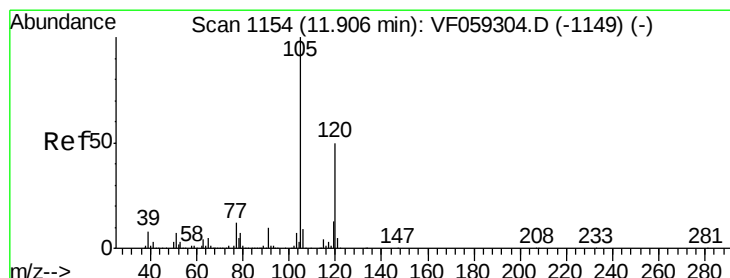
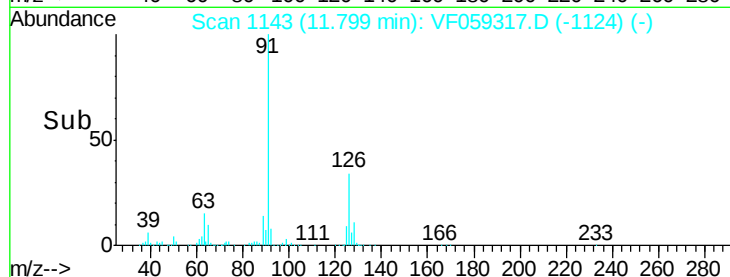
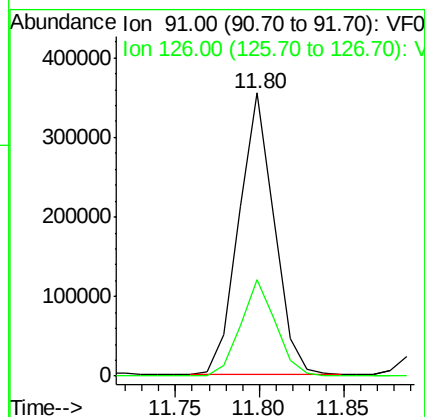
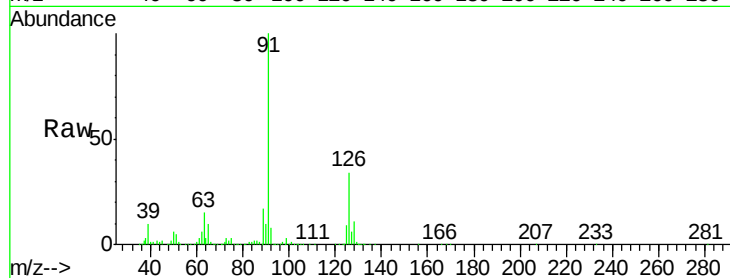
126 33.9 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 49.11 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059317.D

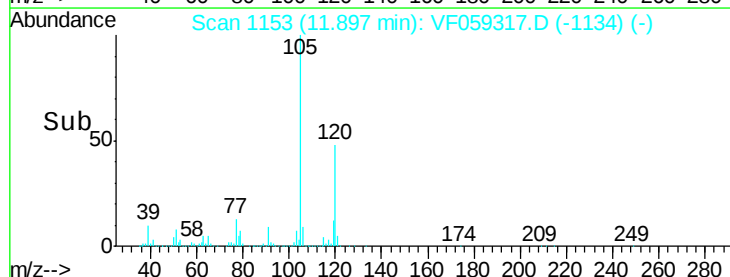
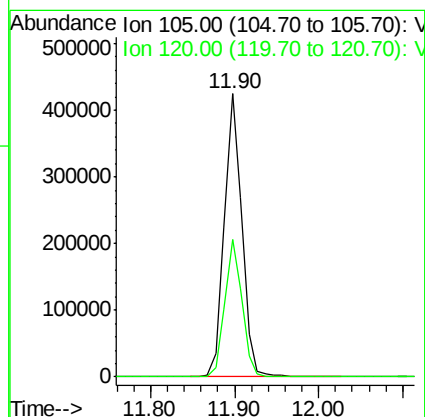
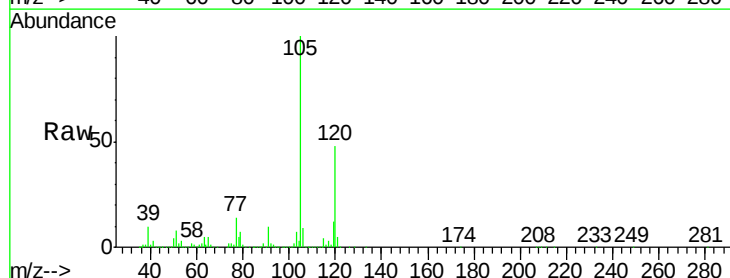
Acq: 26 Jun 2018 15:22

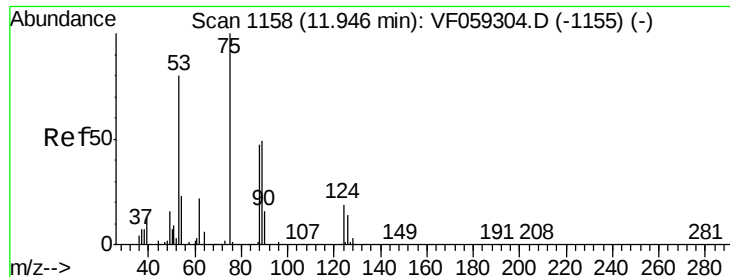
Tgt Ion: 105 Resp: 614491

Ion Ratio Lower Upper

105 100

120 48.5 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 48.92 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

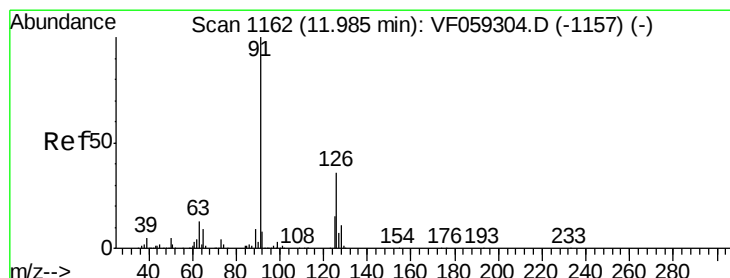
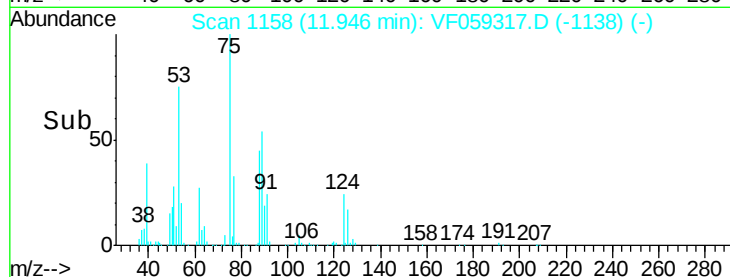
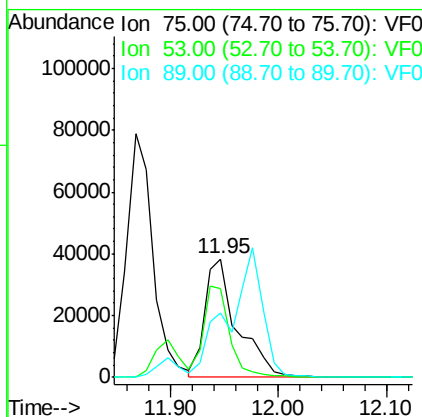
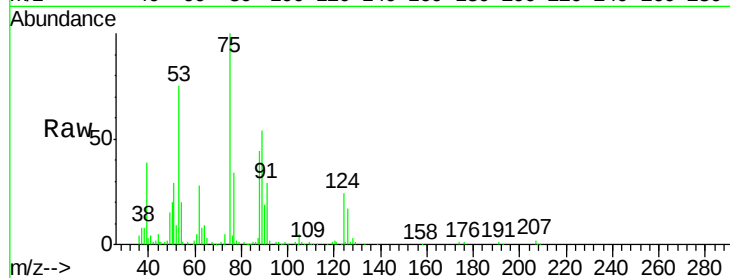
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	75	Resp:	79235
Ion Ratio	Lower	Upper	
75	100		
53	75.1	68.8	103.2
89	54.3	42.0	63.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.52 ug/l

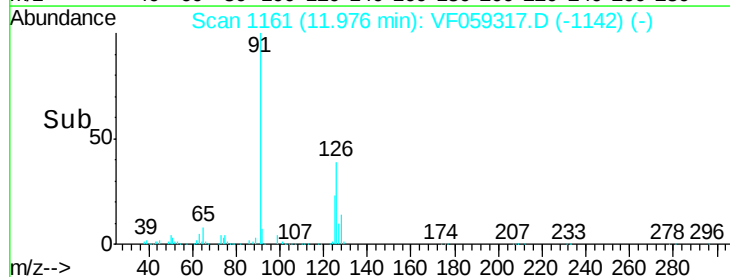
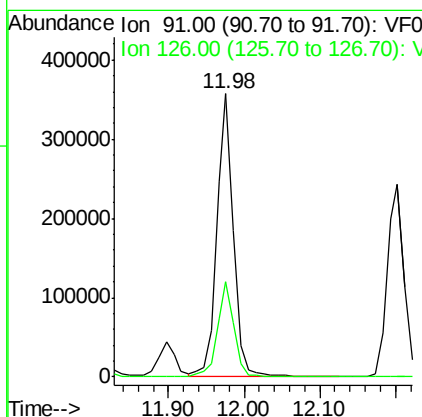
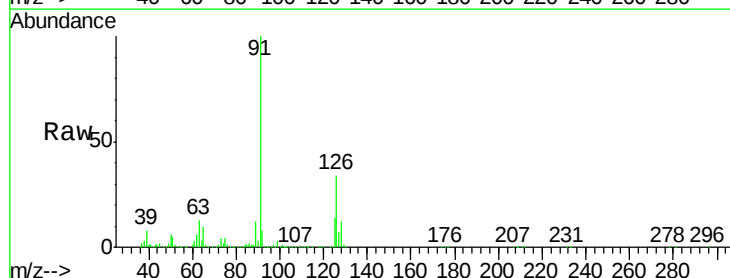
RT: 11.98 min Scan# 1161

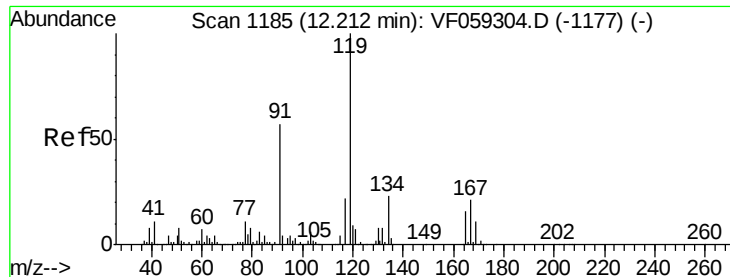
Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	91	Resp:	544666
Ion Ratio	Lower	Upper	
91	100		
126	33.6	18.2	54.6





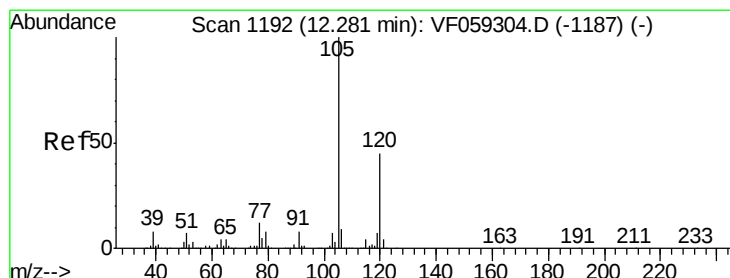
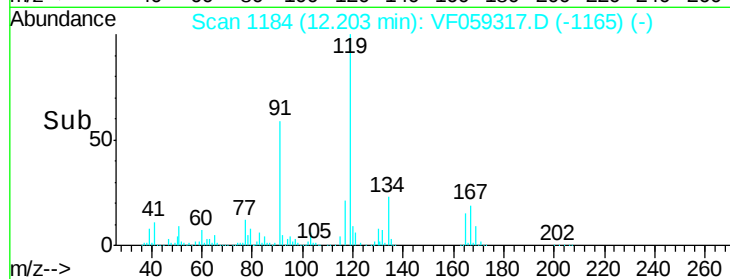
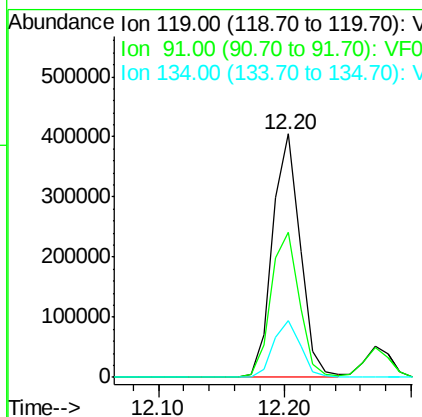
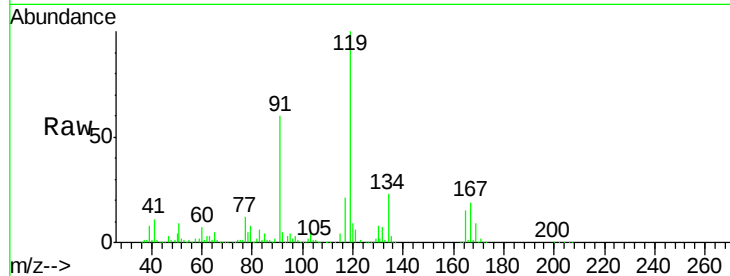
#83
tert-Butylbenzene
Concen: 49.37 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	28.4	85.2
134	23.5	11.7	35.1

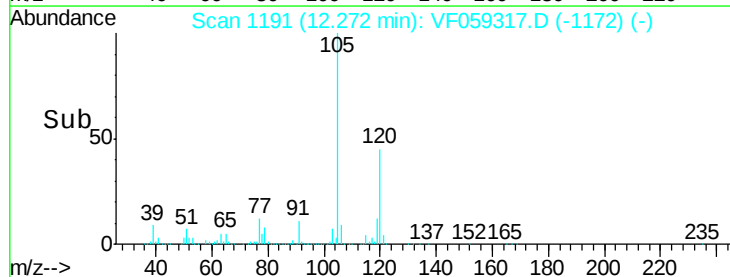
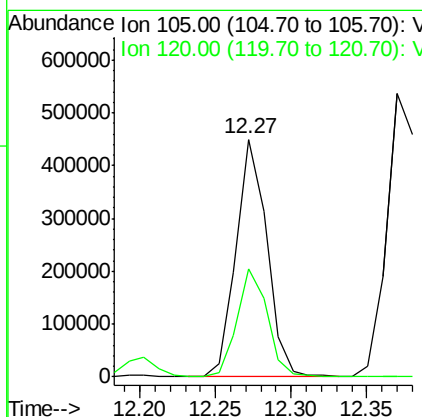
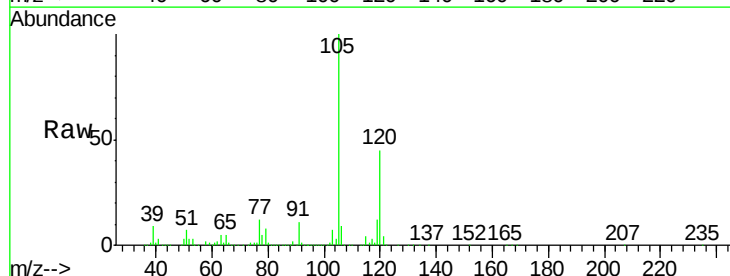
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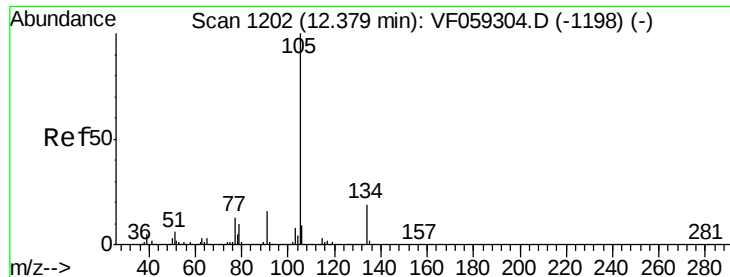
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#84
1,2,4-Trimethylbenzene
Concen: 48.40 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.8	68.4





#85

sec-Butylbenzene

Concen: 49.04 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:105 Resp: 813395

Ion Ratio Lower Upper

105 100

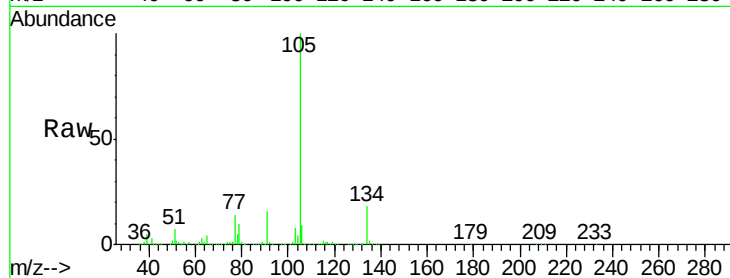
134 18.3 9.4 28.3

Manual Integrations

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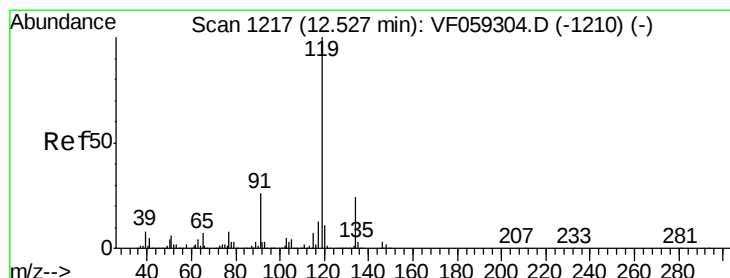
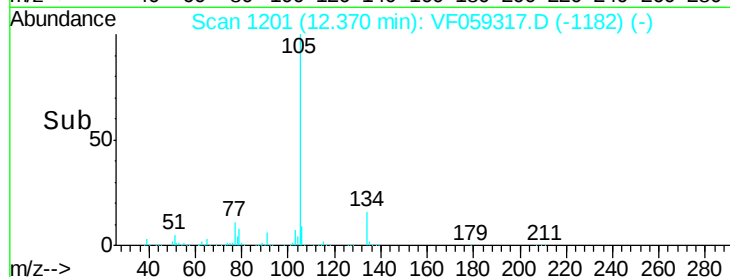
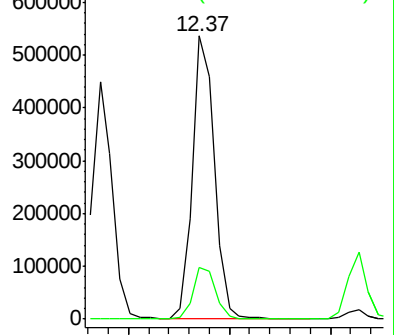
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.18 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

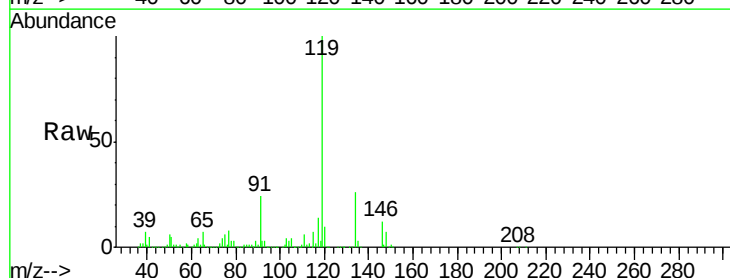
Tgt Ion:119 Resp: 670662

Ion Ratio Lower Upper

119 100

134 26.1 12.2 36.4

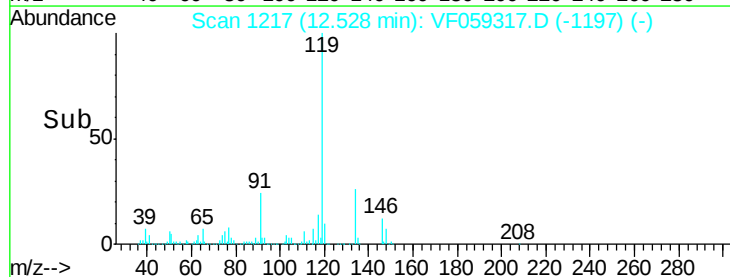
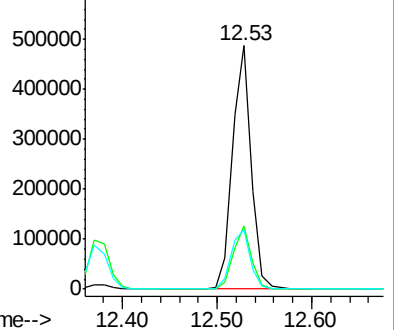
91 24.4 12.9 38.6

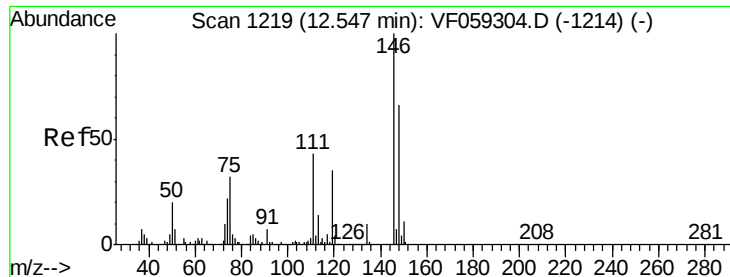


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





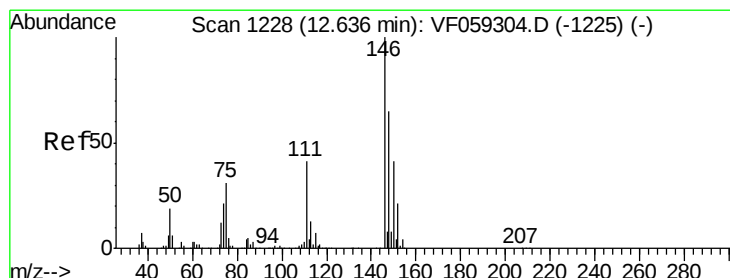
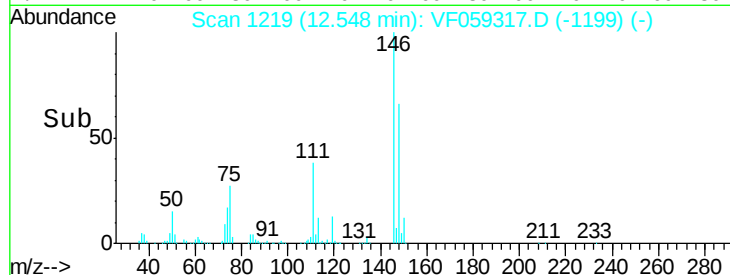
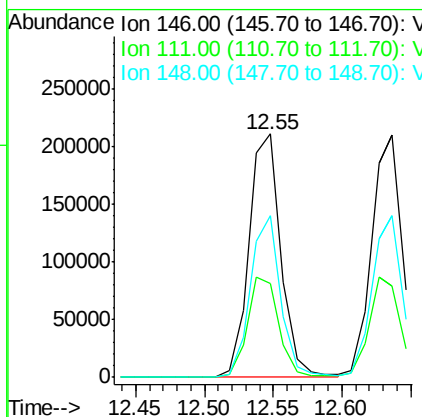
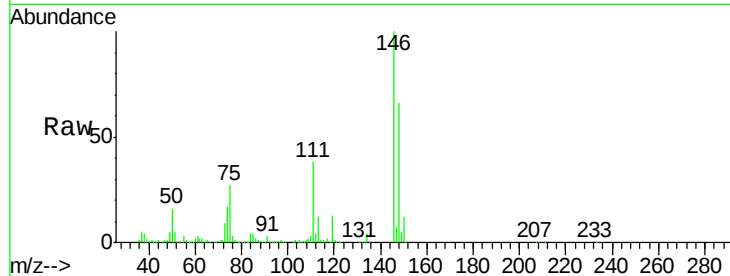
#87
 1,3-Dichlorobenzene
 Concen: 52.43 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	21.4	64.2
148	66.3	32.8	98.4

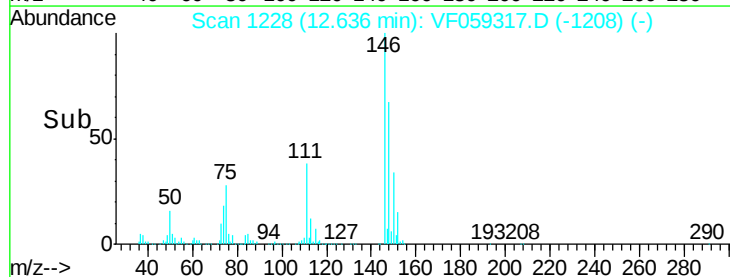
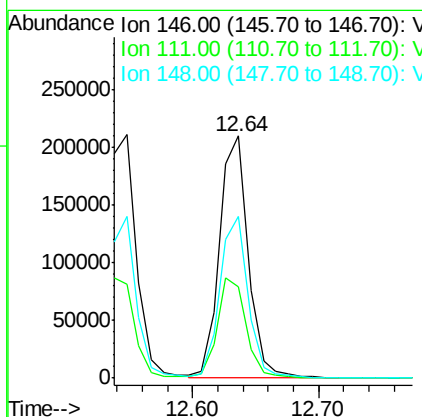
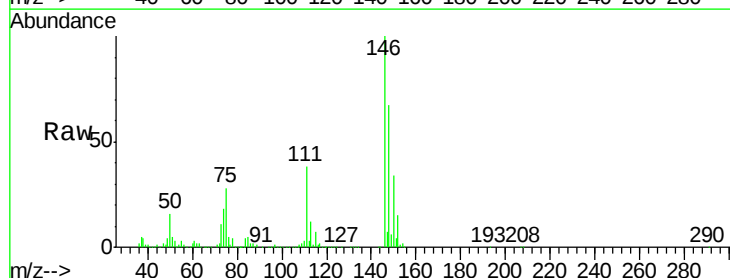
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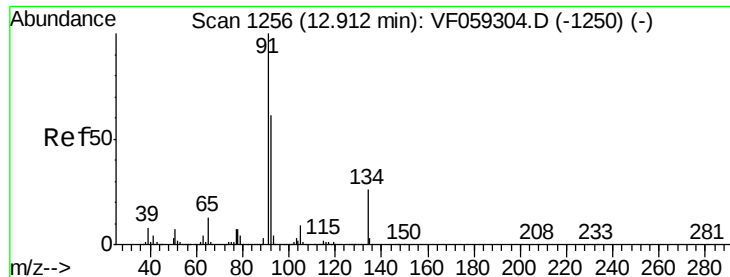
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#88
 1,4-Dichlorobenzene
 Concen: 46.51 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.7	62.1
148	67.0	32.8	98.3





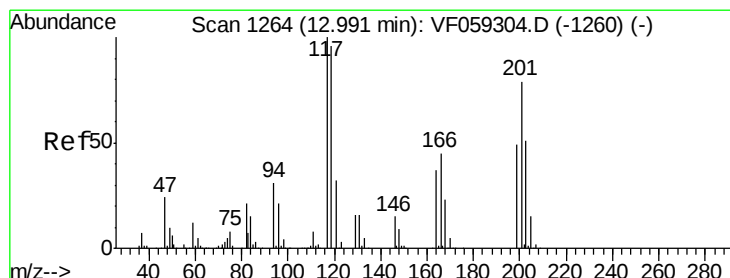
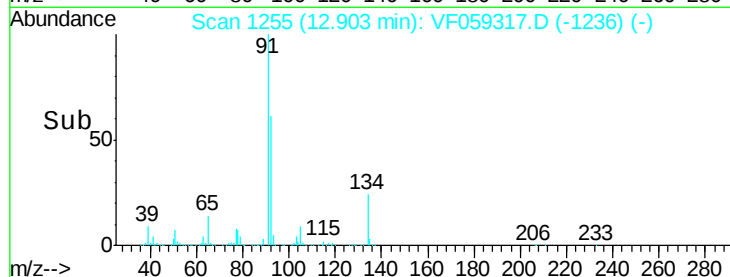
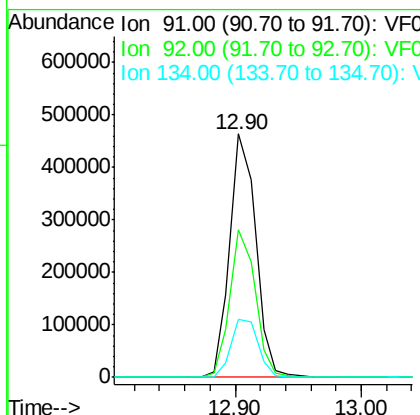
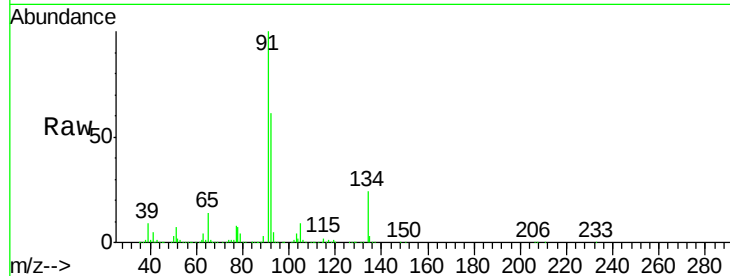
#89
n-Butylbenzene
Concen: 46.88 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.6	30.3	91.0
134	23.8	12.9	38.7

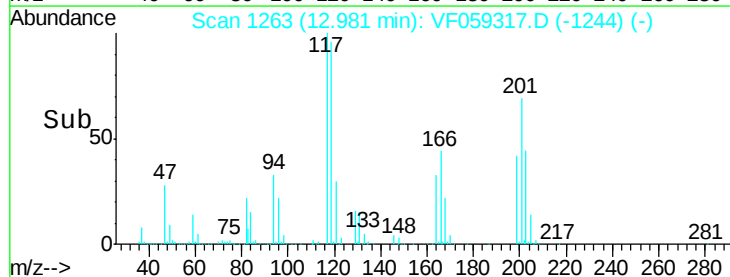
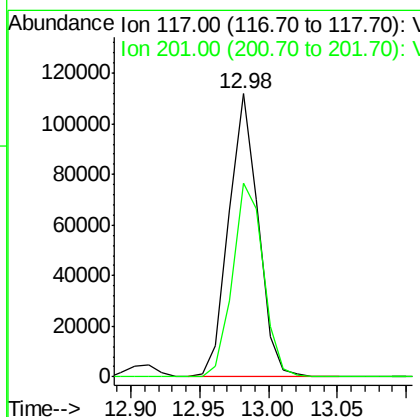
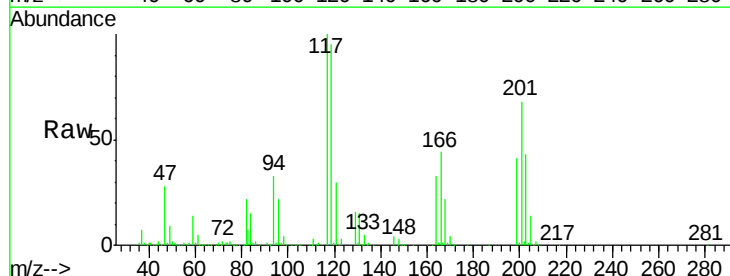
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#90
Hexachloroethane
Concen: 47.71 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059317.D
Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.5	39.5	118.5





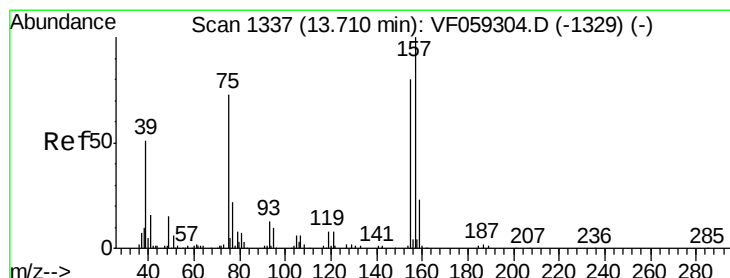
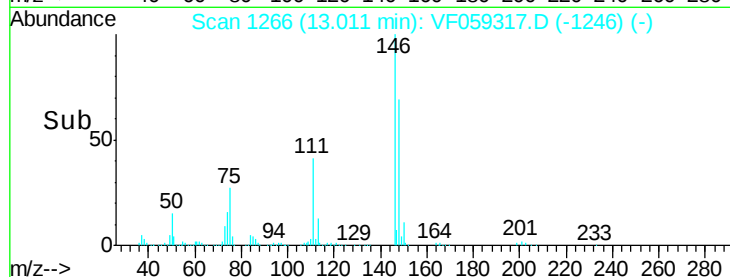
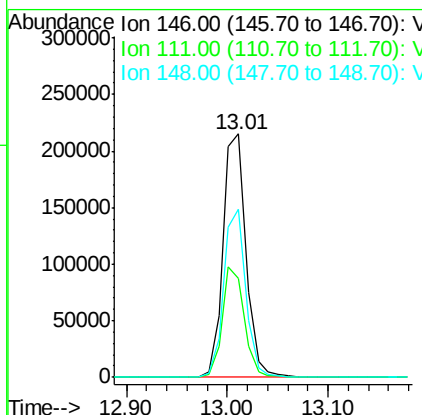
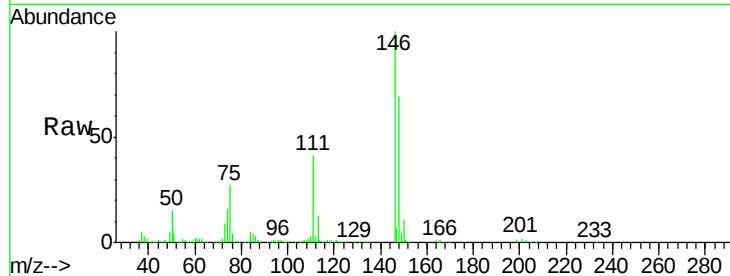
#91
 1,2-Dichlorobenzene
 Concen: 47.28 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	22.7	68.0
148	68.9	33.5	100.4

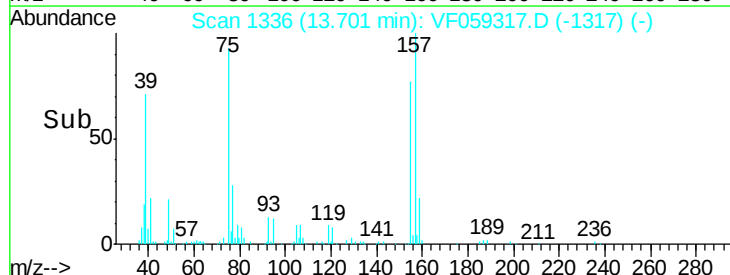
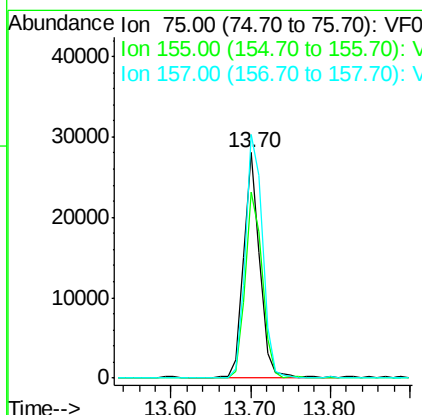
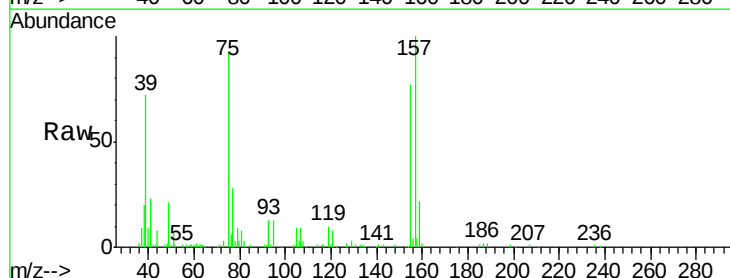
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.48 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	54.6	163.8
157	108.0	68.7	205.9





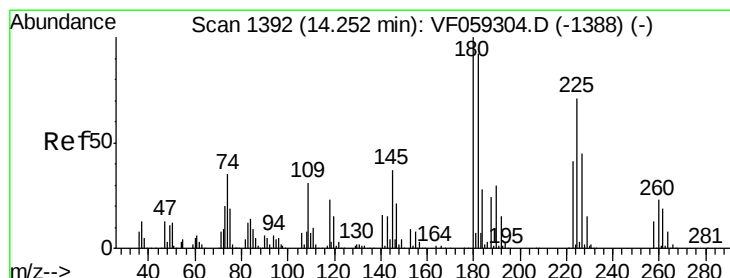
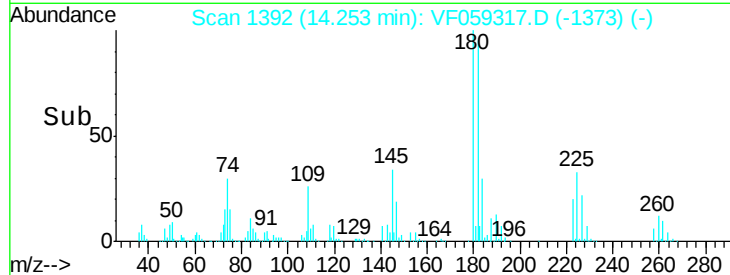
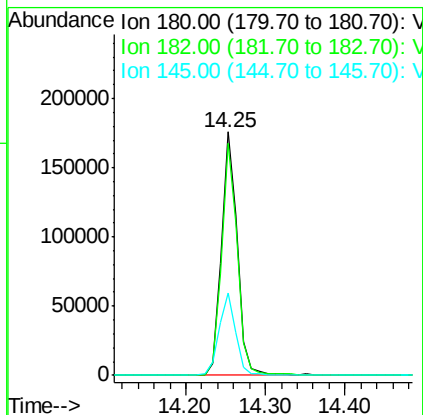
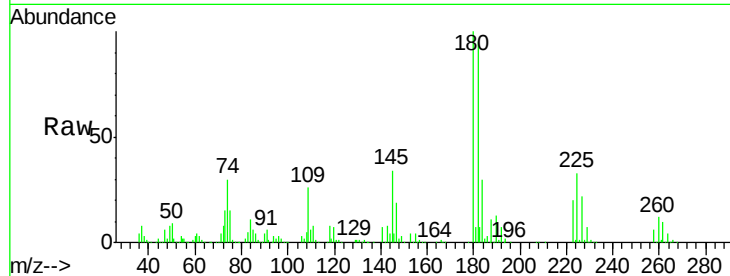
#93
 1,2,4-Trichlorobenzene
 Concen: 46.94 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	249695		
182	95.3	48.1	144.3	
145	34.0	15.3	45.8	

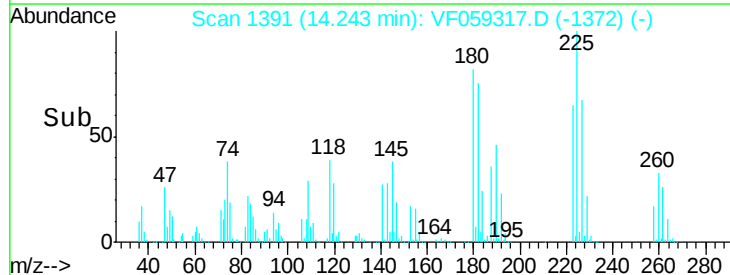
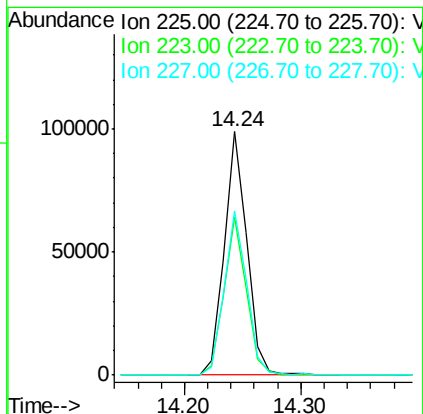
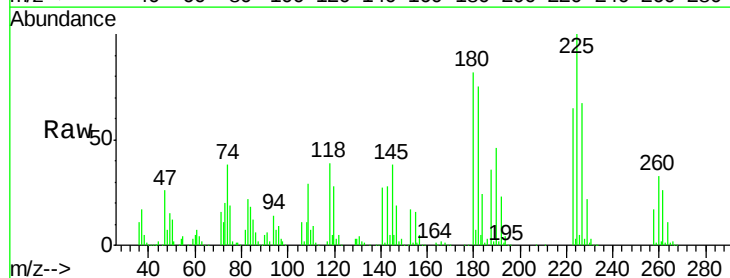
Manual Integrations
 APPROVED

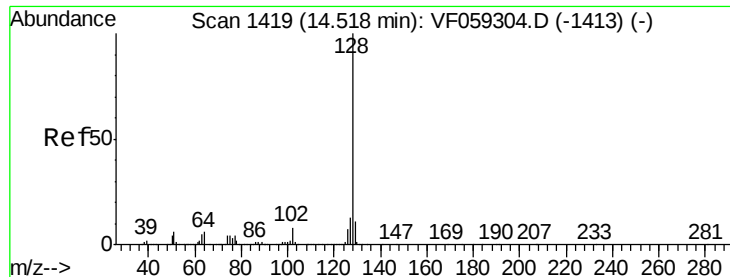
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#94
 Hexachlorobutadiene
 Concen: 44.73 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059317.D
 Acq: 26 Jun 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132914		
223	64.7	28.9	86.8	
227	67.4	31.3	93.8	





#95

Naphthalene

Concen: 49.44 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Instrument :

MSVOA_F

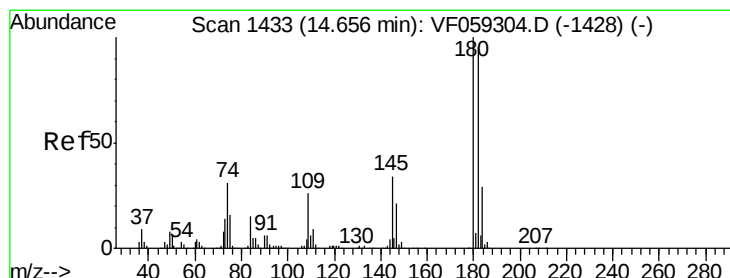
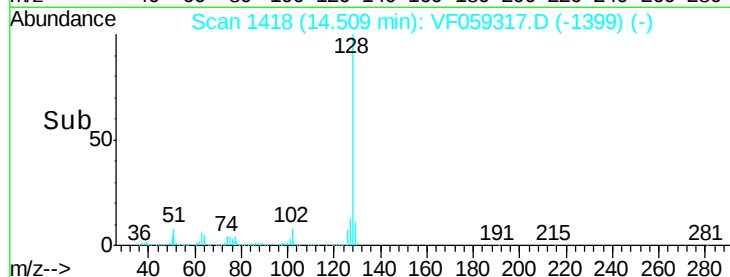
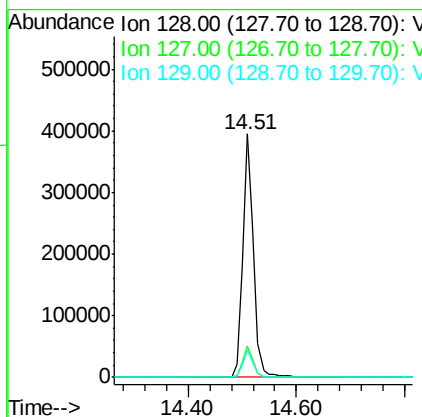
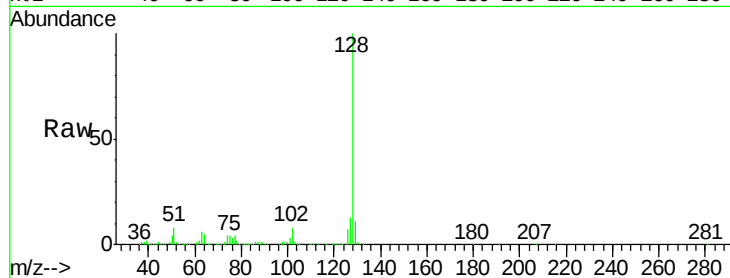
ClientSampleId :

WP021SB476-25-27-180619MSD

Tot Ion:	128	Resp:	550241
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	11.1	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 46.84 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VF059317.D

Acq: 26 Jun 2018 15:22

Tgt Ion:	180	Resp:	236049
Ion Ratio	Lower	Upper	
180	100		
182	99.0	47.5	142.5
145	31.1	17.0	50.9

