

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059986.D
 Acq On : 17 Aug 2018 22:13
 Operator : VA/AP
 Sample : VF0817SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:49:05 AM

Quant Time: Aug 18 01:31:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	132820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	183670	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	197993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	133601	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	124632	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	4.30	113	91773	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
50) Toluene-d8	7.72	98	205439	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.51	95	124573	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	46962	20.85	ug/l	98
3) Chloromethane	1.08	50	26809	24.51	ug/l #	80
4) Vinyl Chloride	1.12	62	32213	23.95	ug/l	91
5) Bromomethane	1.32	94	26114	21.29	ug/l	98
6) Chloroethane	1.39	64	13874	19.86	ug/l	96
7) Trichlorofluoromethane	1.48	101	74070	19.18	ug/l	98
8) Diethyl Ether	1.71	74	12585	22.09	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.86	101	36881	20.37	ug/l	96
10) Methyl Iodide	1.93	142	53076	23.24	ug/l	98
11) Tert butyl alcohol	2.70	59	15642	104.69	ug/l #	85
12) 1,1-Dichloroethene	1.82	96	26524	21.25	ug/l	84
13) Acrolein	2.09	56	5729	80.44	ug/l	91
14) Allyl chloride	2.19	41	44912	21.20	ug/l	89
15) Acrylonitrile	3.09	53	28131	116.44	ug/l	98
16) Acetone	2.35	43	76281	100.69	ug/l	99
17) Carbon Disulfide	1.84	76	88371	22.27	ug/l	98
18) Methyl Acetate	2.46	43	31969	22.71	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	85779	20.88	ug/l	97
20) Methylene Chloride	2.29	84	38413	24.97	ug/l	93
21) trans-1,2-Dichloroethene	2.42	96	27255	20.34	ug/l	97
22) Diisopropyl ether	2.93	45	94168	20.79	ug/l	98
23) Vinyl Acetate	3.34	43	200137	109.72	ug/l #	97
24) 1,1-Dichloroethane	3.01	63	60679	20.42	ug/l	99
25) 2-Butanone	4.53	43	68853	111.09	ug/l	97
26) 2,2-Dichloropropane	3.78	77	49228	18.70	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	25846	21.09	ug/l	96
28) Bromochloromethane	3.89	49	19434	22.80	ug/l #	81
29) Tetrahydrofuran	4.27	42	25325	114.49	ug/l	98
30) Chloroform	4.04	83	73134	21.29	ug/l	98
31) Cyclohexane	3.86	56	30528	22.44	ug/l #	92
32) 1,1,1-Trichloroethane	4.28	97	68659	20.48	ug/l	98
36) 1,1-Dichloropropene	4.47	75	42822	20.47	ug/l	95
37) Ethyl Acetate	4.30	43	30138	26.06	ug/l	82
38) Carbon Tetrachloride	4.17	117	63095	21.03	ug/l	91

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apatel
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	32771	20.88	ug/l	89
40) Benzene	4.82	78	78694	22.23	ug/l	94
41) Methacrylonitrile	4.93	41	12411	22.42	ug/l #	84
42) 1,2-Dichloroethane	5.13	62	62275	20.74	ug/l	99
43) Isopropyl Acetate	7.12	43	28040	22.03	ug/l #	89
44) Trichloroethene	5.69	130	30164	21.83	ug/l	98
45) 1,2-Dichloropropane	6.41	63	21825	21.55	ug/l	92
46) Dibromomethane	6.26	93	22278	22.30	ug/l #	85
47) Bromodichloromethane	6.56	83	56748	21.04	ug/l	95
48) Methyl methacrylate	6.88	41	21242	22.42	ug/l	92
49) 1,4-Dioxane	6.88	88	3454	449.00	ug/l #	86
51) 4-Methyl-2-Pentanone	8.42	43	136725	115.01	ug/l	98
52) Toluene	7.79	92	56852	21.45	ug/l	88
53) t-1,3-Dichloropropene	8.44	75	45374	19.95	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	44778	20.39	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	22516	21.18	ug/l	97
56) Ethyl methacrylate	8.77	69	28083	22.80	ug/l	94
57) 1,3-Dichloropropane	9.01	76	41141	21.71	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.79	63	13309	128.83	ug/l	100
59) 2-Hexanone	9.64	43	110293	112.36	ug/l	100
60) Dibromochloromethane	8.87	129	41511	21.37	ug/l	99
61) 1,2-Dibromoethane	9.15	107	29779	22.45	ug/l	91
64) Tetrachloroethene	8.32	164	32409	21.48	ug/l	88
65) Chlorobenzene	9.96	112	82165	21.03	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.08	131	38636	21.49	ug/l	92
67) Ethyl Benzene	10.05	91	150497	21.21	ug/l	97
68) m/p-Xylenes	10.28	106	102624	41.75	ug/l	98
69) o-Xylene	10.84	106	53928	21.40	ug/l	91
70) Styrene	10.91	104	84762	20.99	ug/l	97
71) Bromoform	10.90	173	28131	21.16	ug/l	99
73) Isopropylbenzene	11.24	105	172810	21.58	ug/l	99
74) N-amyl acetate	11.47	43	49776	21.90	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	34726	22.08	ug/l	91
76) 1,2,3-Trichloropropane	11.89	75	30127	21.63	ug/l	96
77) Bromobenzene	11.60	156	46440	20.79	ug/l	99
78) n-propylbenzene	11.69	91	207295	20.85	ug/l	97
79) 2-Chlorotoluene	11.82	91	124617	20.63	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	151368	20.90	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	12284m	20.89	ug/l	
82) 4-Chlorotoluene	12.00	91	141937	21.47	ug/l	98
83) tert-Butylbenzene	12.22	119	149728	21.04	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	160178	21.01	ug/l	99
85) sec-Butylbenzene	12.39	105	194144	20.64	ug/l	96
86) p-Isopropyltoluene	12.55	119	175612	21.11	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	90067	21.12	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	88496	21.20	ug/l	98
89) n-Butylbenzene	12.92	91	169155	21.05	ug/l	96
90) Hexachloroethane	13.00	117	39796	21.24	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	89183	21.85	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	9194	21.14	ug/l	98

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ClientSampleId :
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QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	70088	21.05	ug/l	95
94) Hexachlorobutadiene	14.26	225	47241	21.18	ug/l	91
95) Naphthalene	14.53	128	94449	20.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	67157	20.91	ug/l	99

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

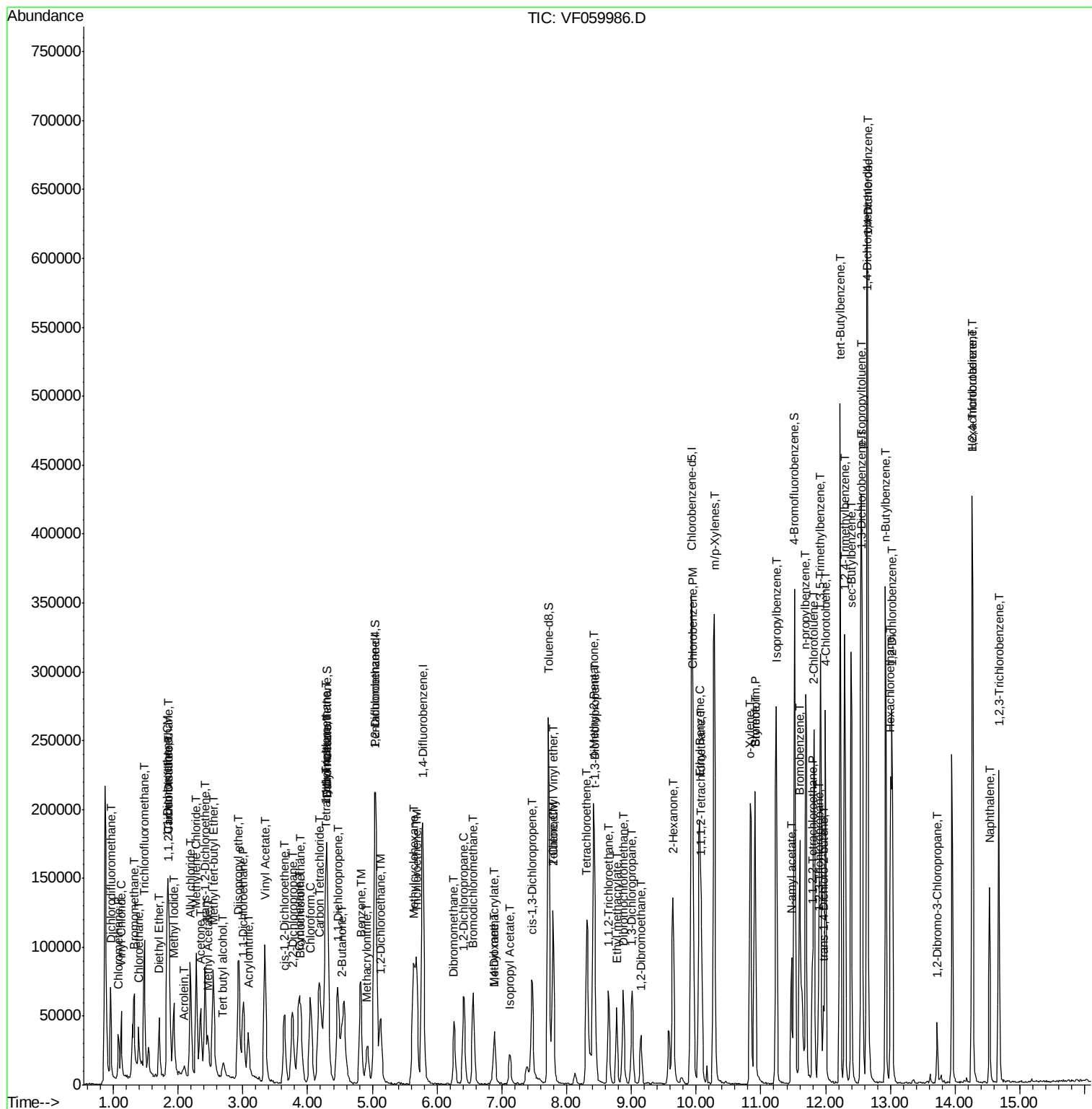
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 Data File : VF059986.D
 Acq On : 17 Aug 2018 22:13
 Operator : VA/AP
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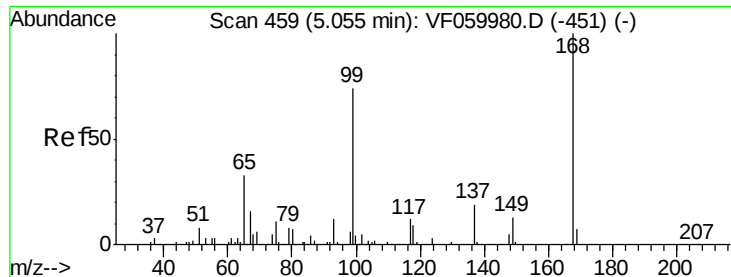
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:168 Resp: 132820

Ion Ratio Lower Upper

168 100

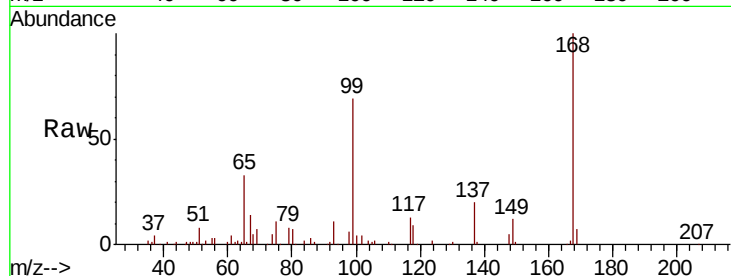
99 68.9 59.0 88.6

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

5.06

40000

30000

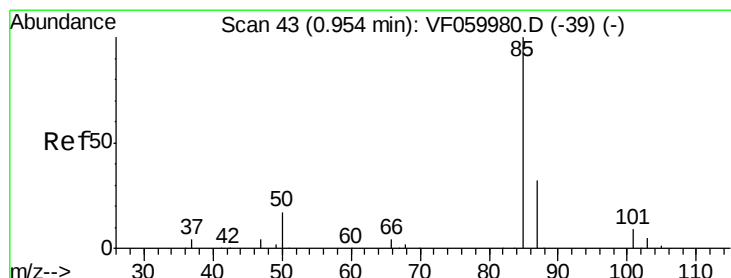
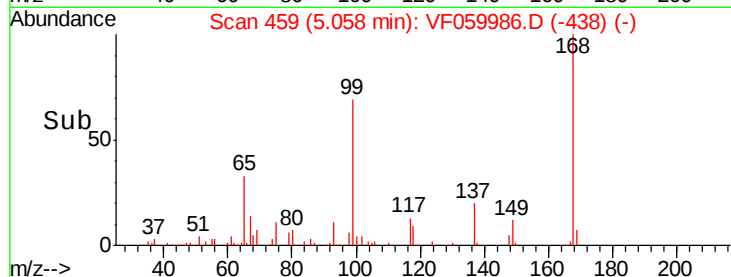
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.85 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF059986.D

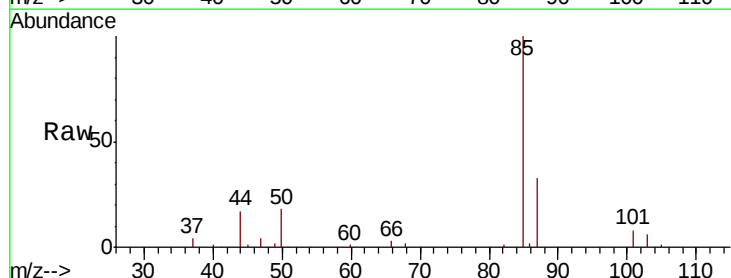
Acq: 17 Aug 2018 22:13

Tgt Ion: 85 Resp: 46962

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

30000

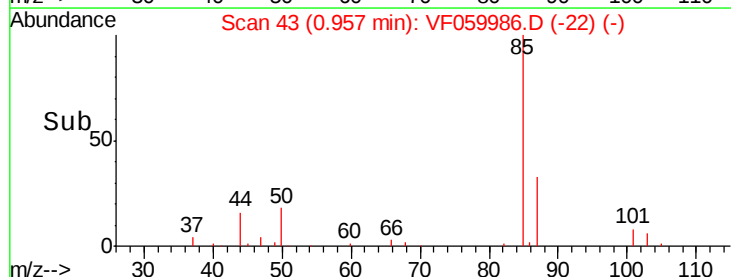
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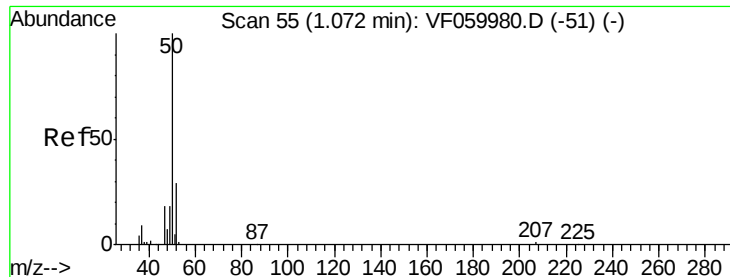
10000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 24.51 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 50 Resp: 26809

Ion Ratio Lower Upper

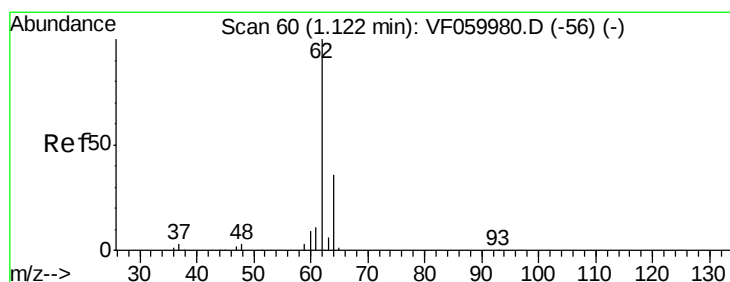
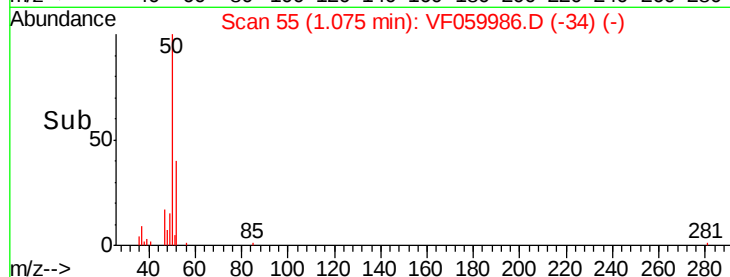
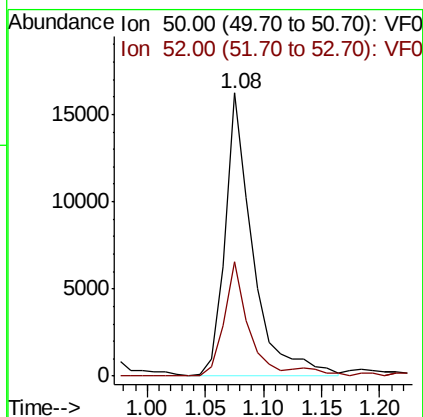
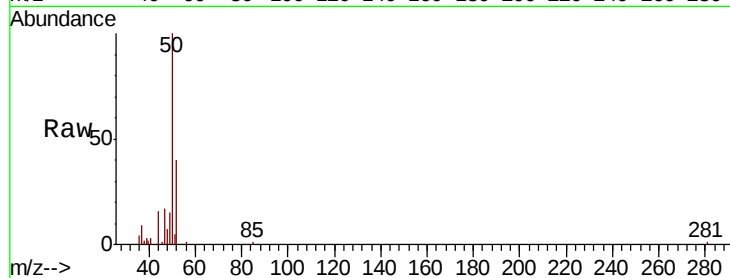
50 100

52 40.4 23.6 35.4#

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#4

Vinyl Chloride

Concen: 23.95 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059986.D

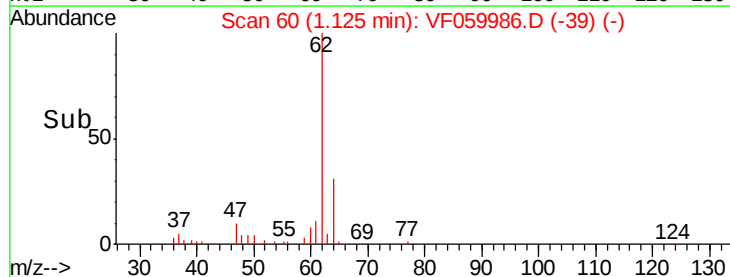
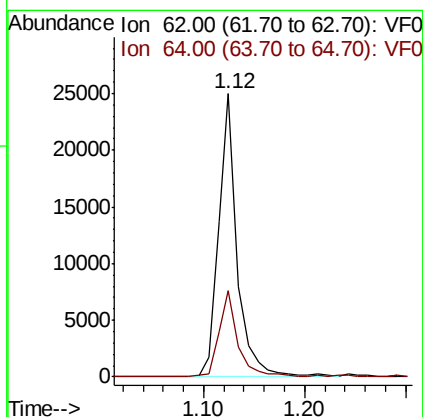
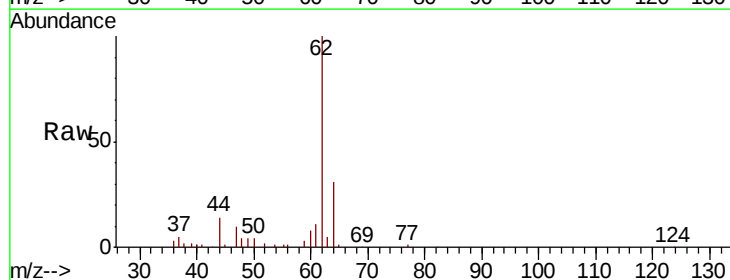
Acq: 17 Aug 2018 22:13

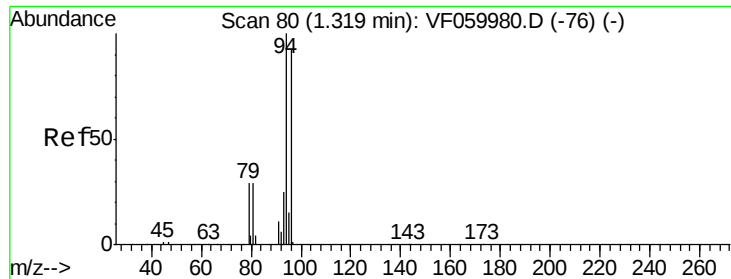
Tgt Ion: 62 Resp: 32213

Ion Ratio Lower Upper

62 100

64 30.6 28.7 43.1





#5

Bromomethane

Concen: 21.29 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

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ClientSampleId :

VF0817SBS01

Tot Ion: 94 Resp: 26114

Ion Ratio Lower Upper

94 100

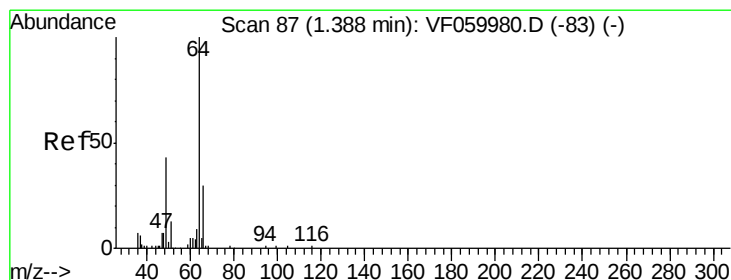
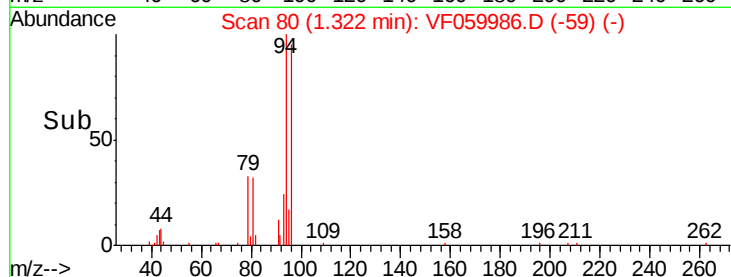
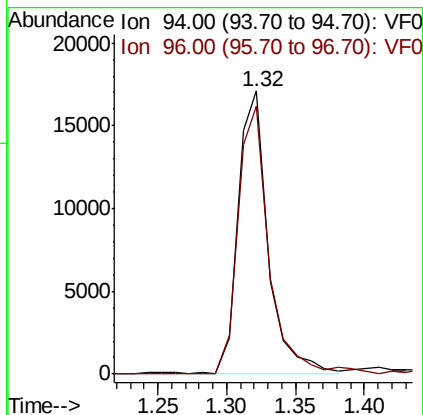
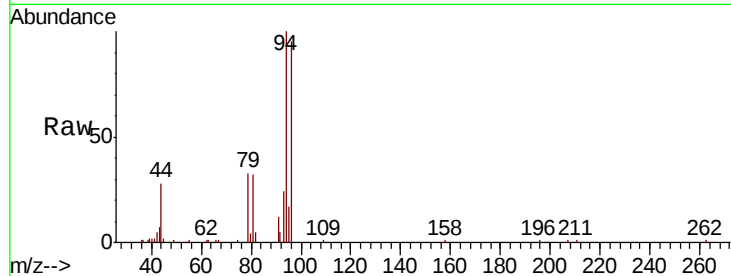
96 94.6 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 19.86 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059986.D

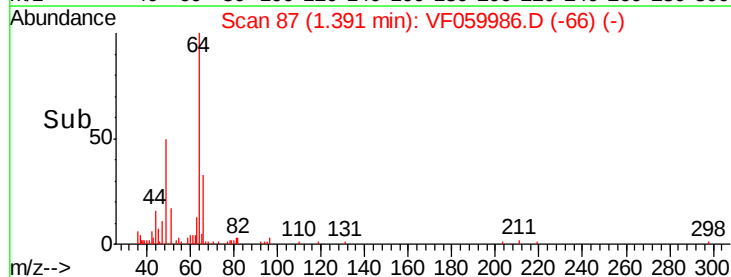
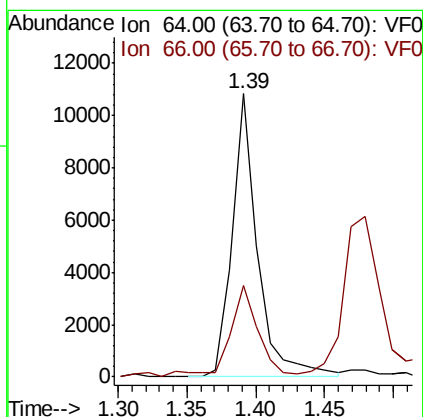
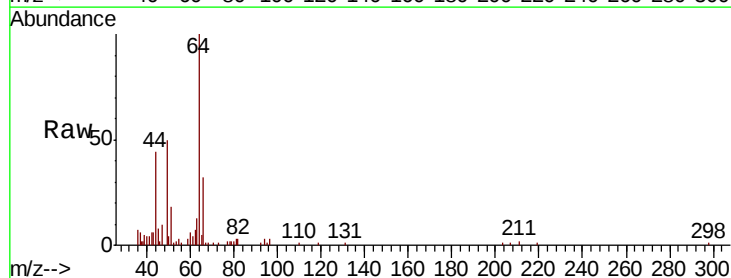
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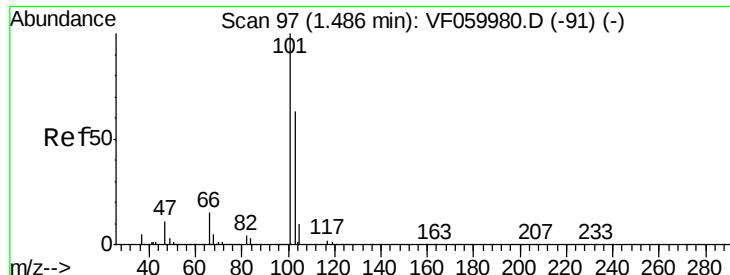
Tgt Ion: 64 Resp: 13874

Ion Ratio Lower Upper

64 100

66 32.4 24.4 36.6





#7

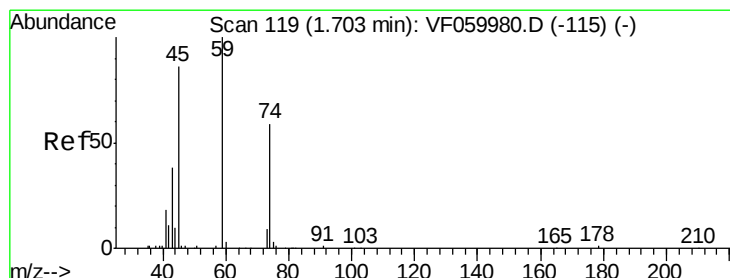
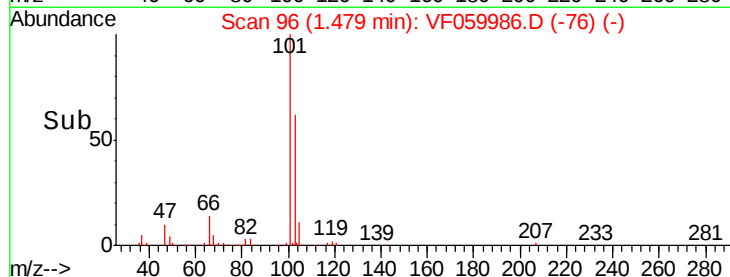
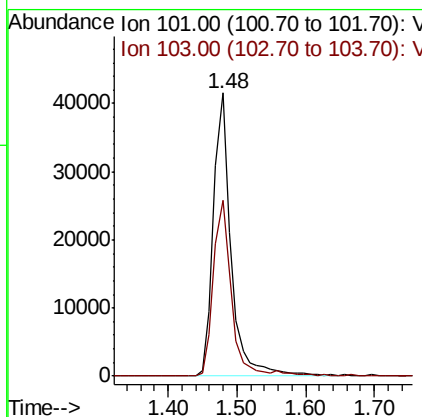
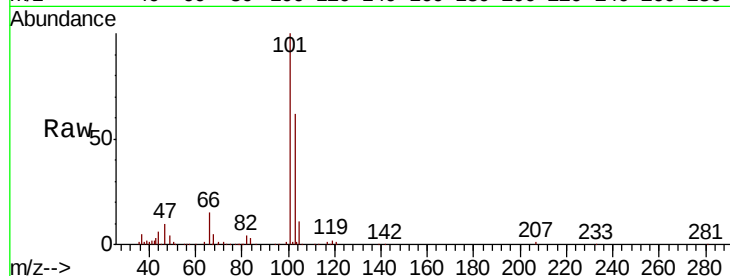
Trichlorofluoromethane
 Concen: 19.18 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
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 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	50.8	76.2

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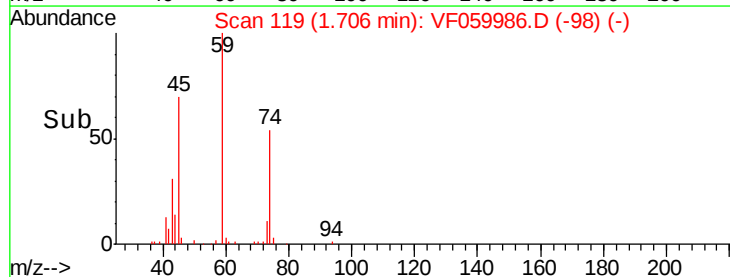
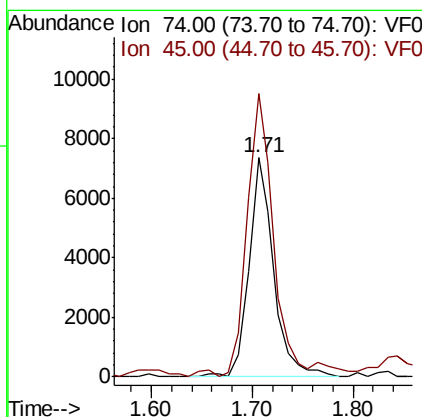
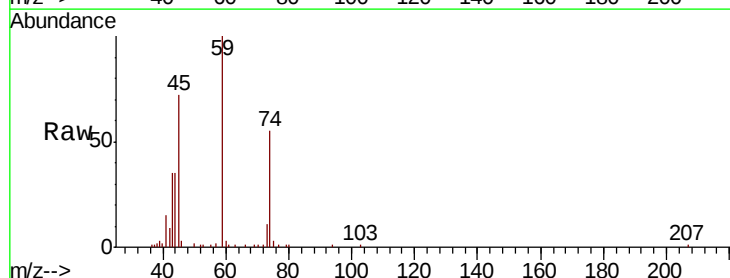
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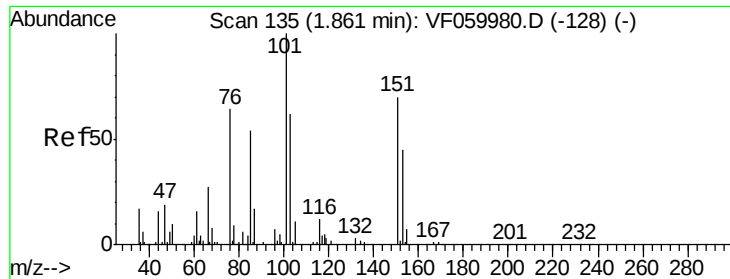


#8

Diethyl Ether
 Concen: 22.09 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	129.3	73.5	220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.37 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

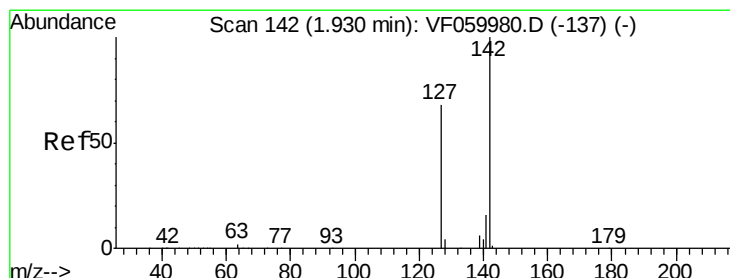
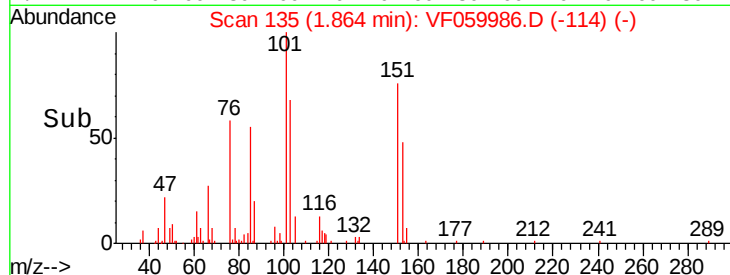
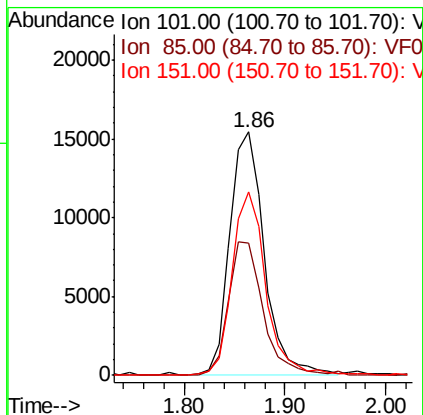
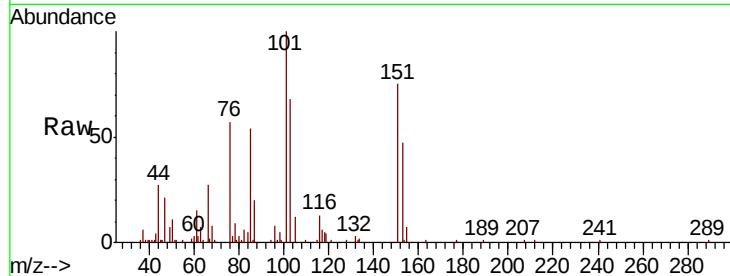
ClientSampleId :

VF0817SBS01

Tot Ion:	101	Resp:	36881
Ion Ratio	Lower	Upper	
101	100		
85	54.1	43.0	64.6
151	75.3	56.2	84.2

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#10

Methyl Iodide

Concen: 23.24 ug/l

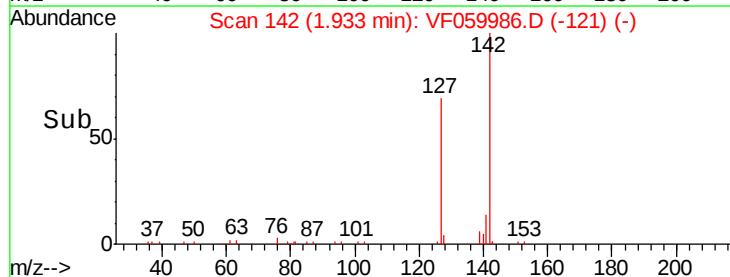
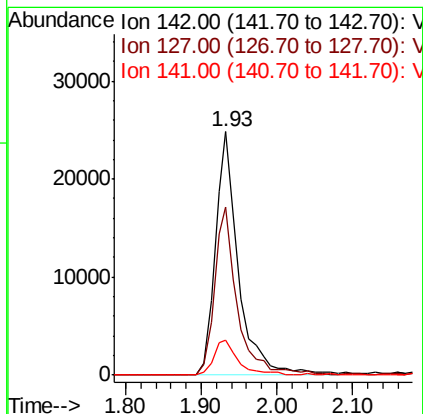
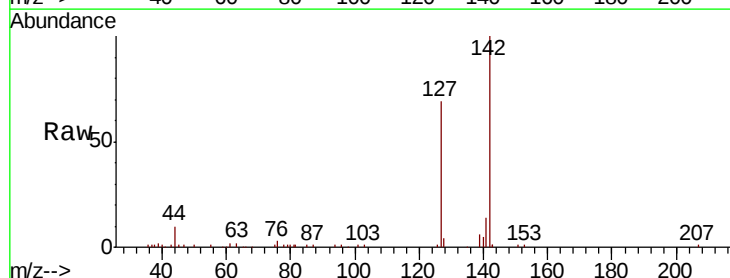
RT: 1.93 min Scan# 142

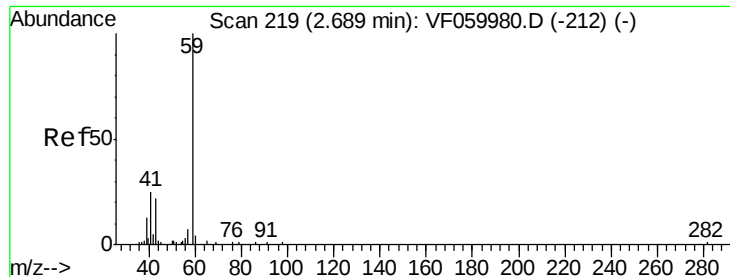
Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion:	142	Resp:	53076
Ion Ratio	Lower	Upper	
142	100		
127	68.7	54.1	81.1
141	14.3	12.5	18.7





#11

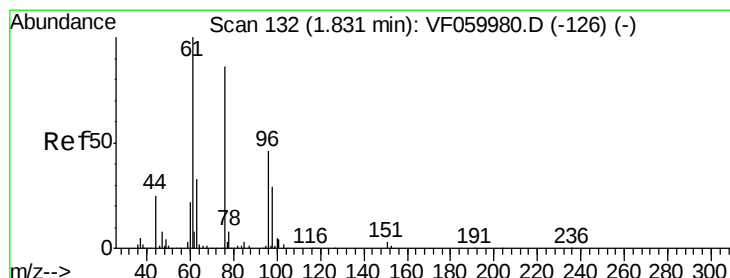
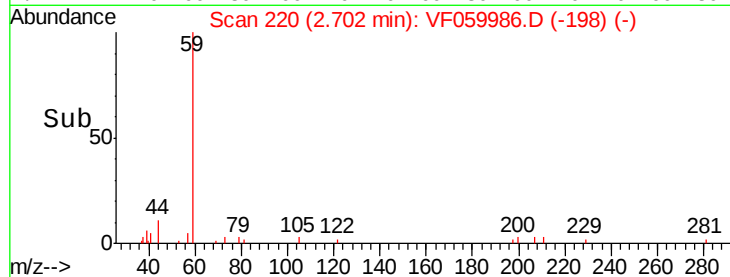
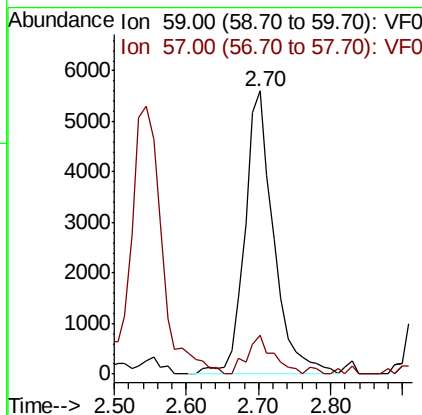
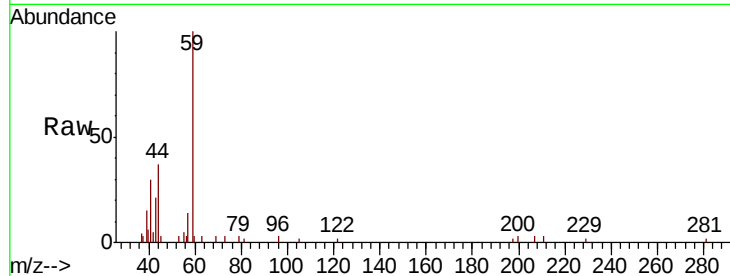
Tert butyl alcohol
 Concen: 104.69 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	13.8	6.8	10.2	

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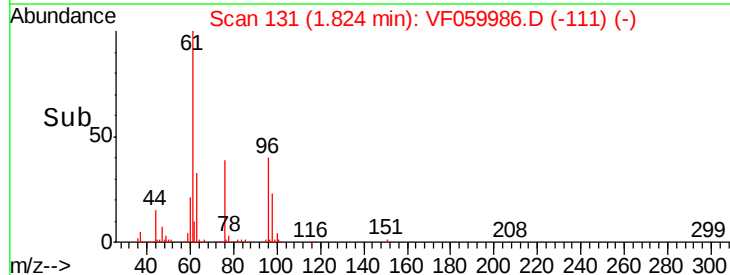
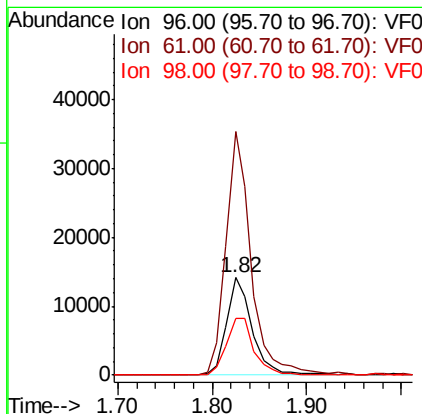
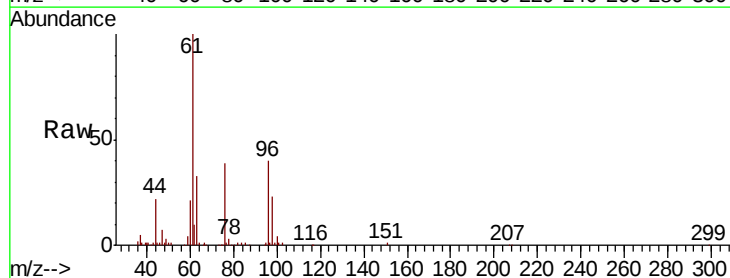
apatel
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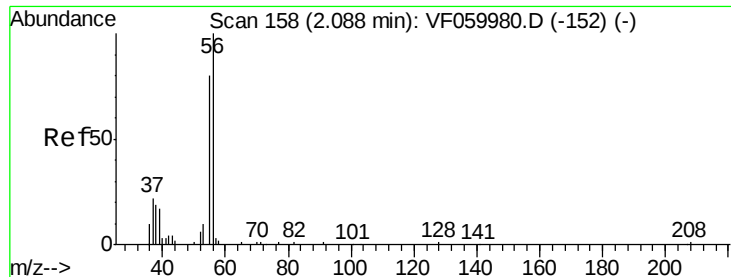


#12

1,1-Dichloroethene
 Concen: 21.25 ug/l
 RT: 1.82 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	250.4	175.6	263.4	
98	98	58.4	50.6	75.8	





#13

Acrolein

Concen: 80.44 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 56 Resp: 5729

Ion Ratio Lower Upper

56 100

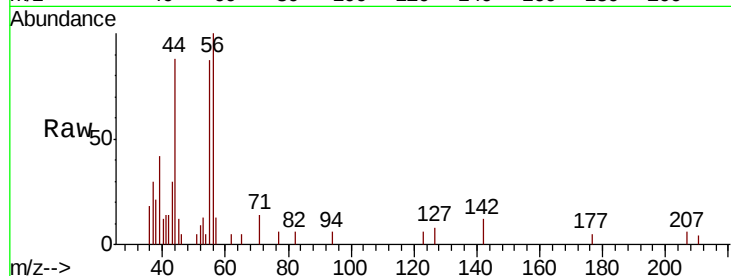
55 87.5 63.8 95.6

Manual Integrations

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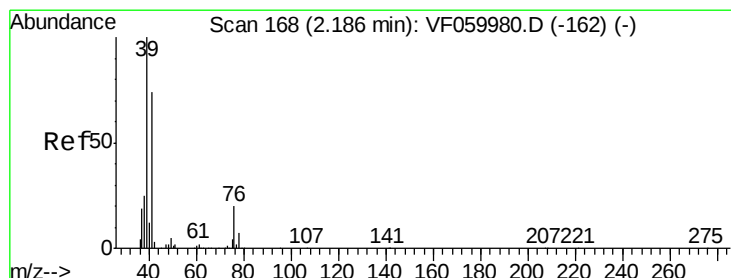
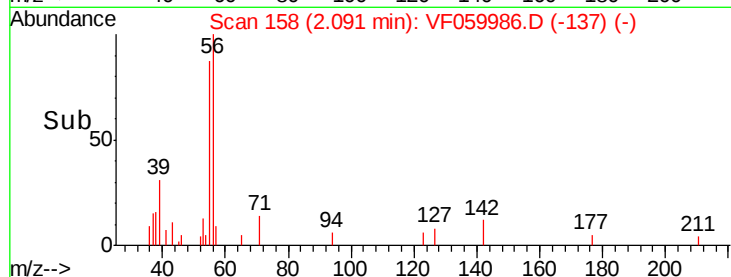
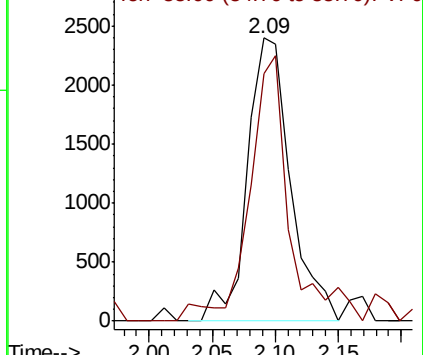
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.20 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

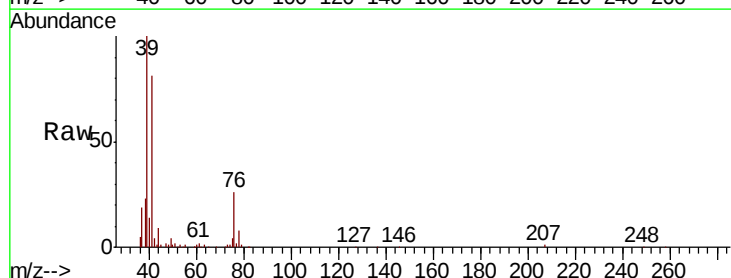
Tgt Ion: 41 Resp: 44912

Ion Ratio Lower Upper

41 100

39 123.4 109.3 163.9

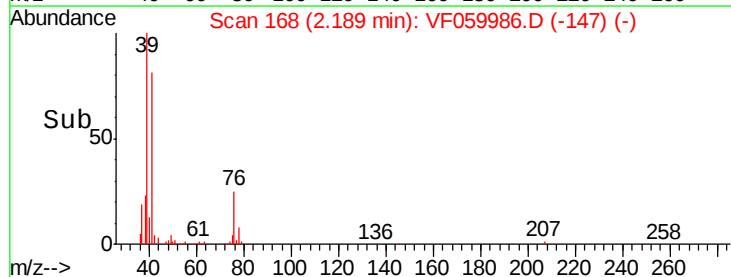
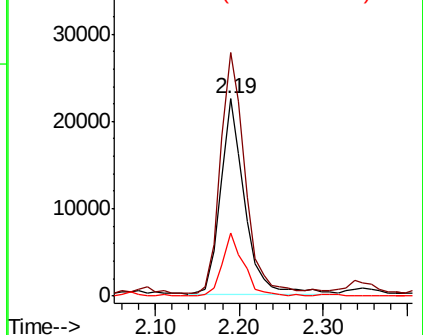
76 31.9 21.3 31.9

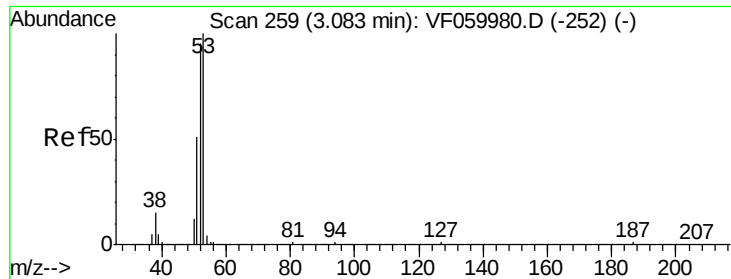


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 116.44 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

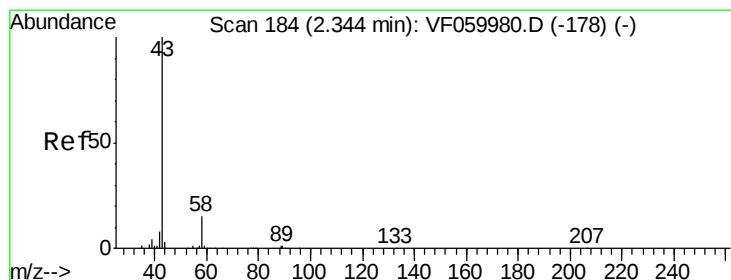
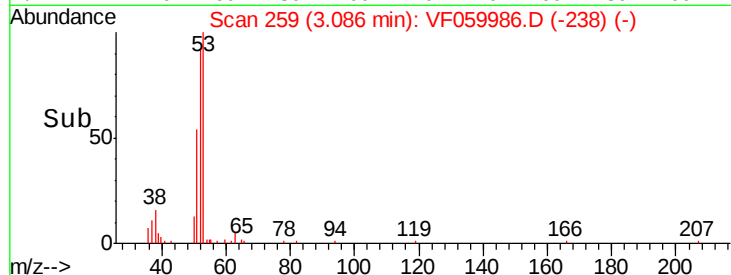
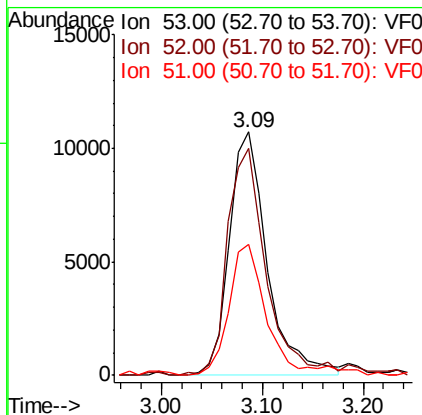
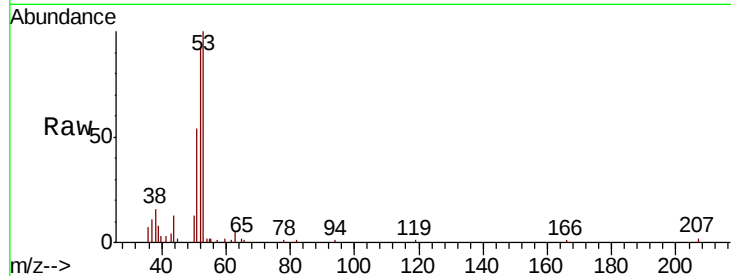
ClientSampleId :

VF0817SBS01

Tot Ion:	53	Resp:	28131
Ion	Ratio	Lower	Upper
53	100		
52	93.3	76.0	114.0
51	53.8	41.9	62.9

Manual Integrations
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#16

Acetone

Concen: 100.69 ug/l

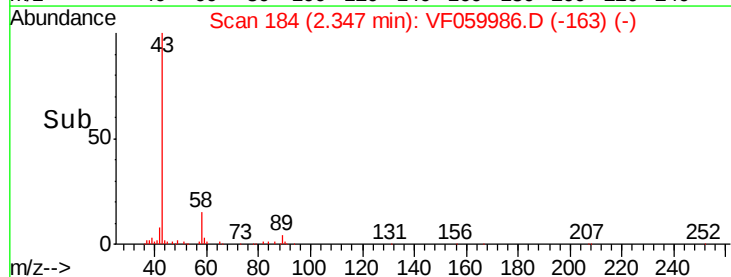
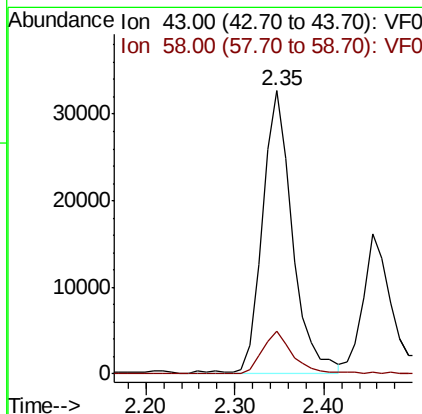
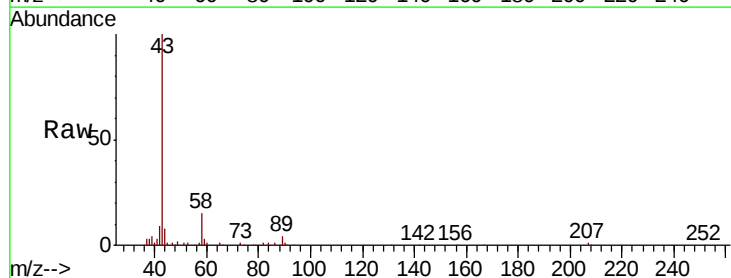
RT: 2.35 min Scan# 184

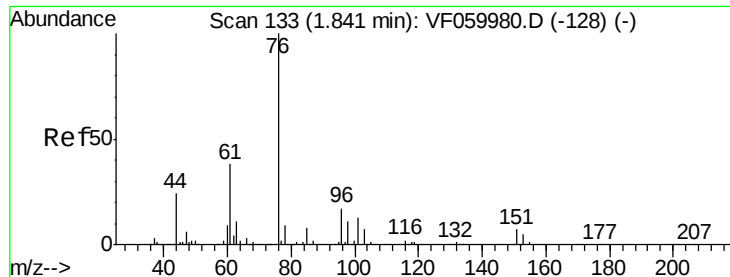
Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion:	43	Resp:	76281
Ion	Ratio	Lower	Upper
43	100		
58	15.3	11.9	17.9





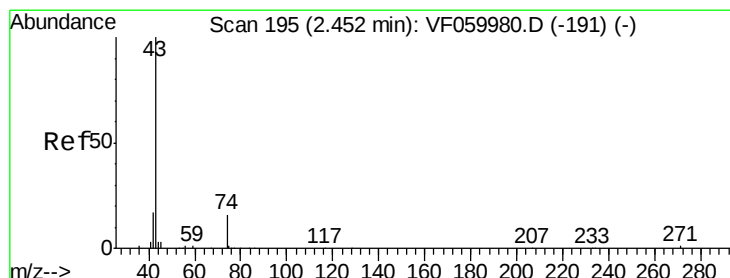
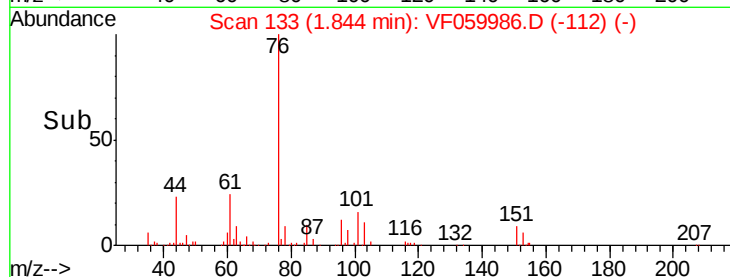
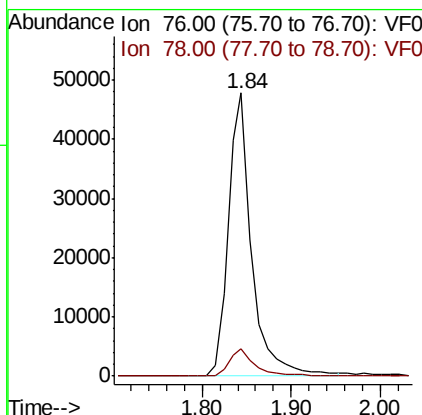
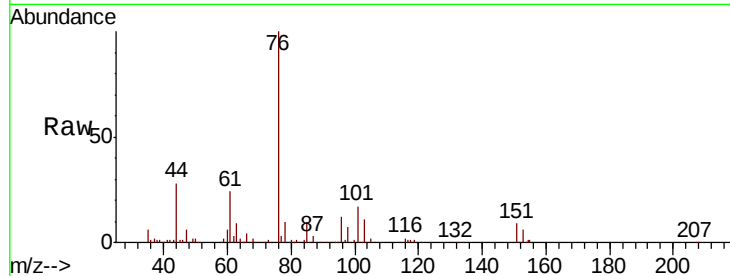
#17
Carbon Disulfide
Concen: 22.27 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

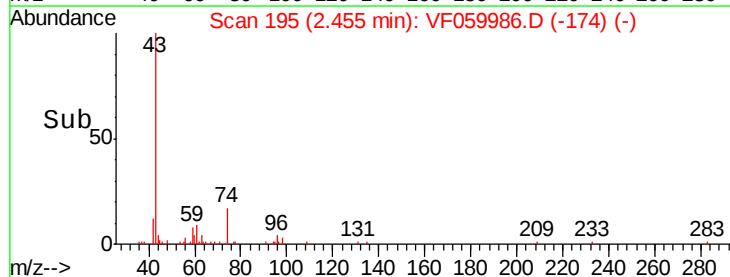
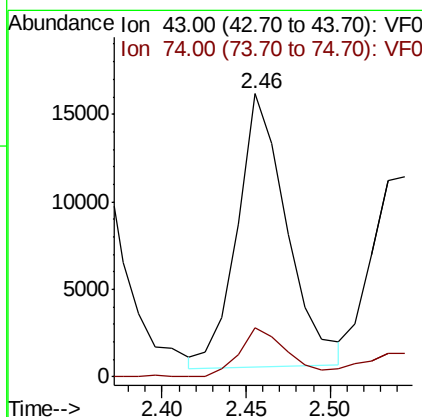
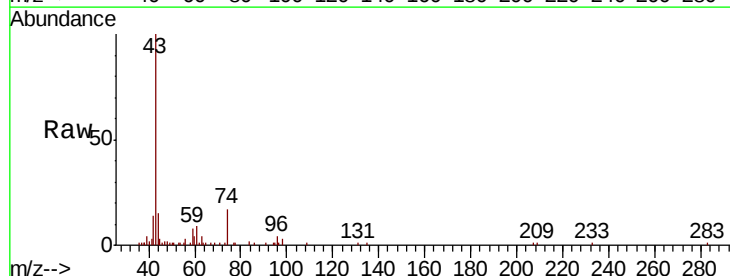
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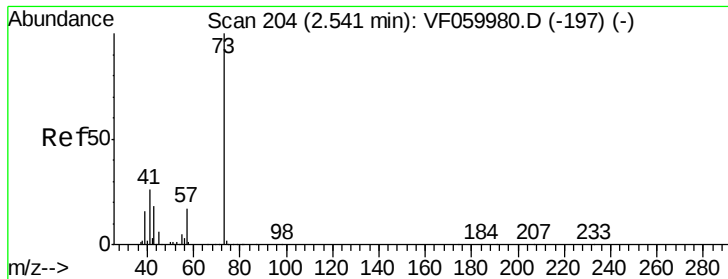
apatel
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#18
Methyl Acetate
Concen: 22.71 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.3	12.3	18.5





#19

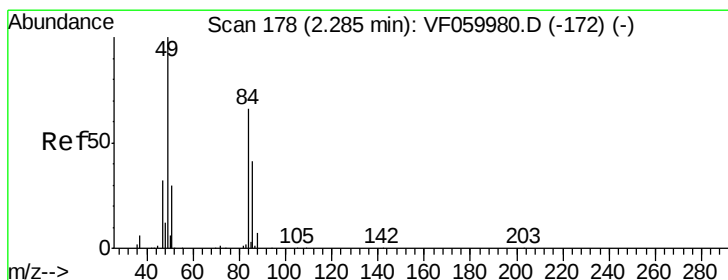
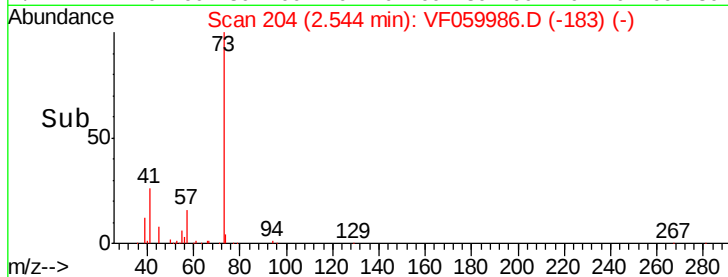
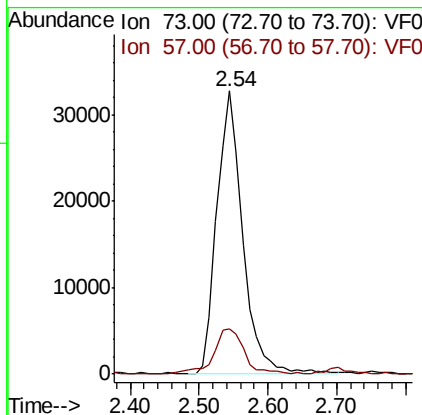
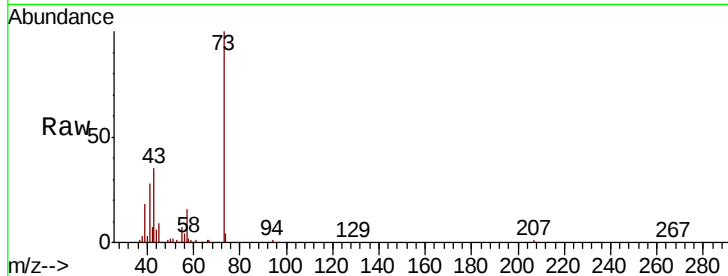
Methvl tert-butvl Ether
 Concen: 20.88 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.2	14.2	21.2

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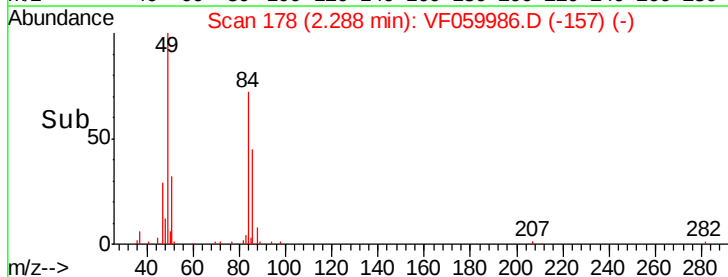
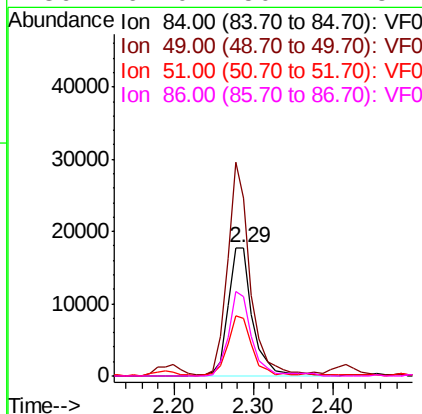
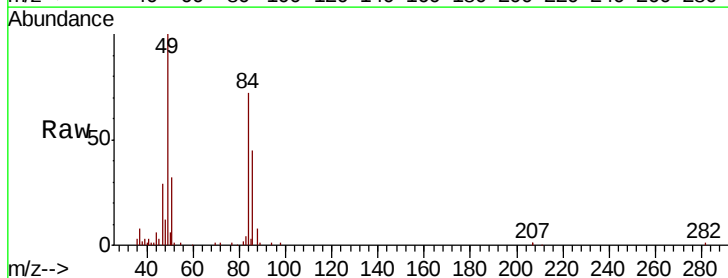
apatel
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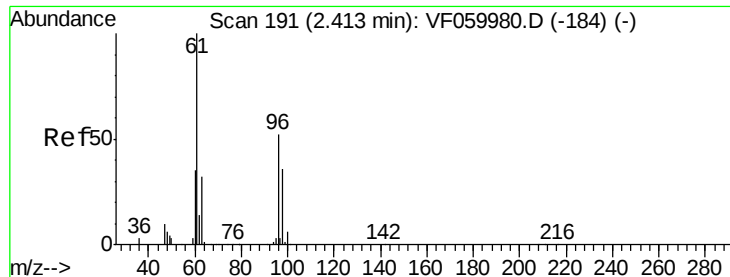


#20

Methylene Chloride
 Concen: 24.97 ug/l
 RT: 2.29 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.7	122.5	183.7
51	44.7	37.1	55.7
86	62.0	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 20.34 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

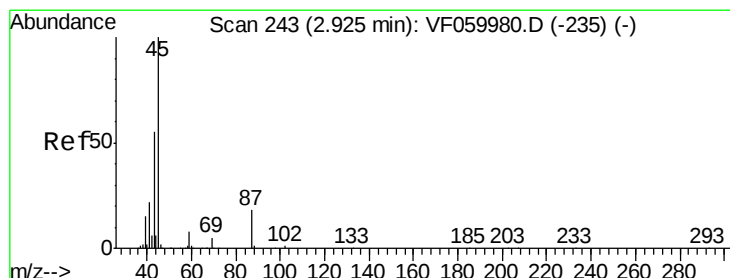
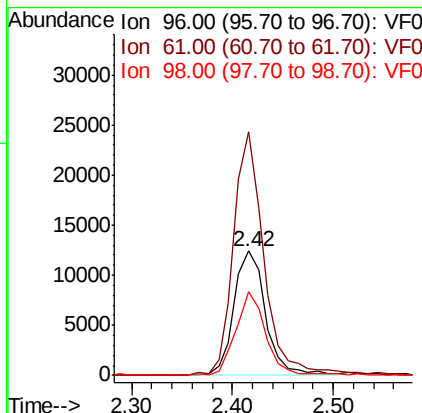
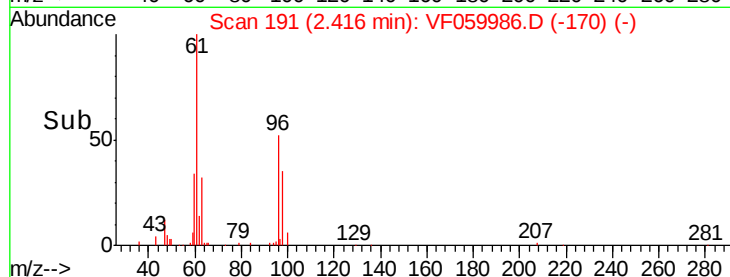
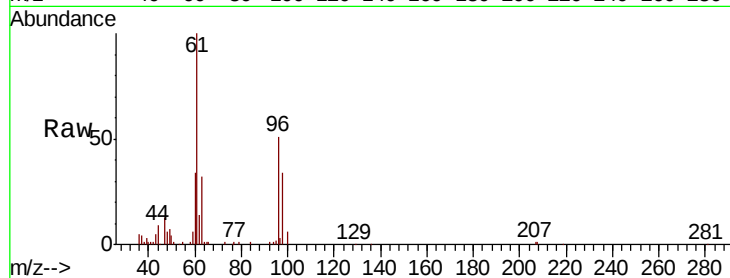
ClientSampleId :

VF0817SBS01

Tot Ion:	96	Resp:	27255
Ion	Ratio	Lower	Upper
96	100		
61	196.4	153.0	229.4
98	67.7	55.5	83.3

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#22

Diisopropyl ether

Concen: 20.79 ug/l

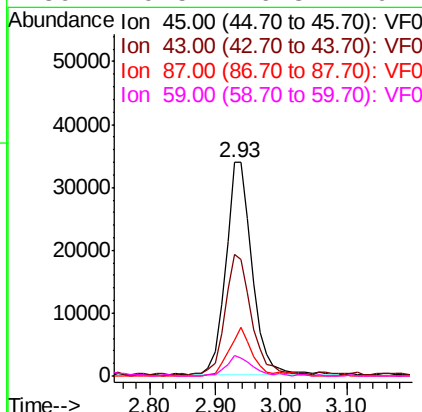
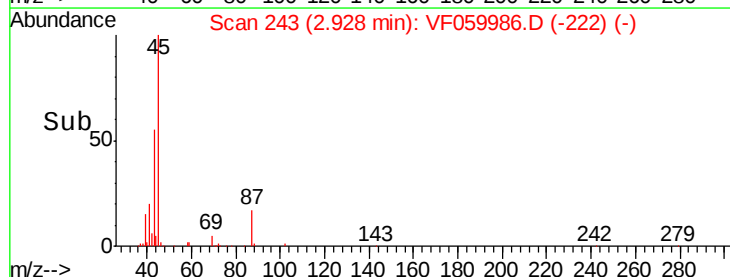
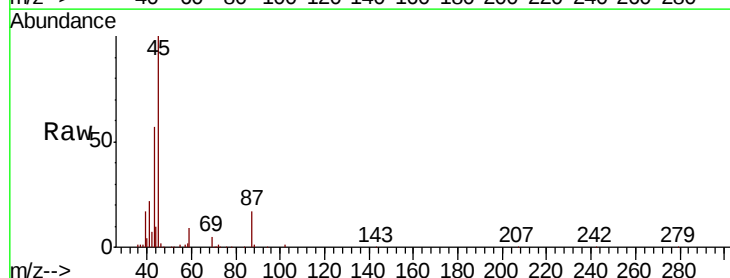
RT: 2.93 min Scan# 243

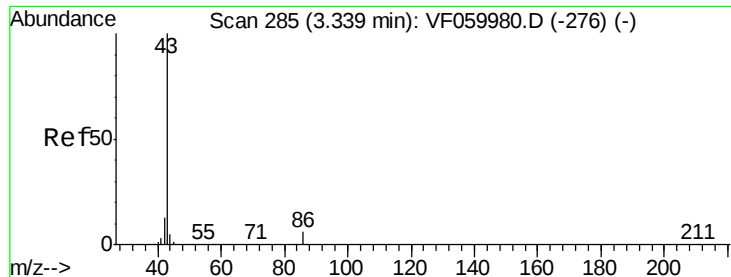
Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion:	45	Resp:	94168
Ion	Ratio	Lower	Upper
45	100		
43	56.7	44.8	67.2
87	17.0	14.6	21.8
59	9.5	6.8	10.2





#23

Vinyl Acetate

Concen: 109.72 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 43 Resp: 200137

Ion Ratio Lower Upper

43 100

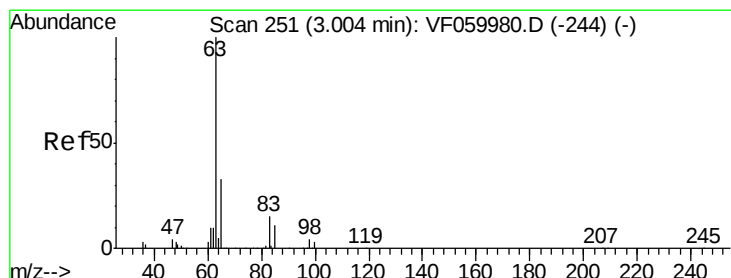
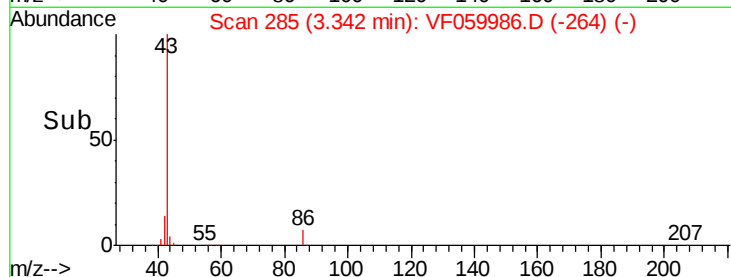
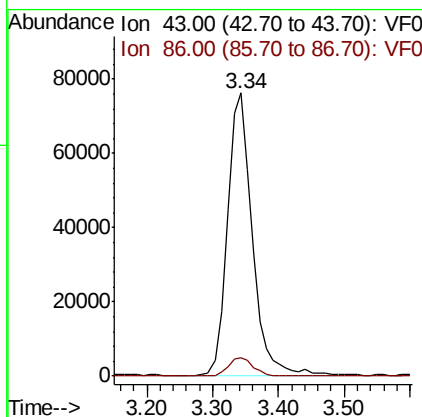
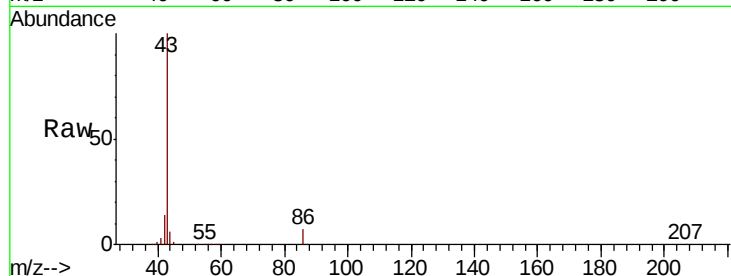
86 6.7 4.4 6.6#

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#24

1,1-Dichloroethane

Concen: 20.42 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

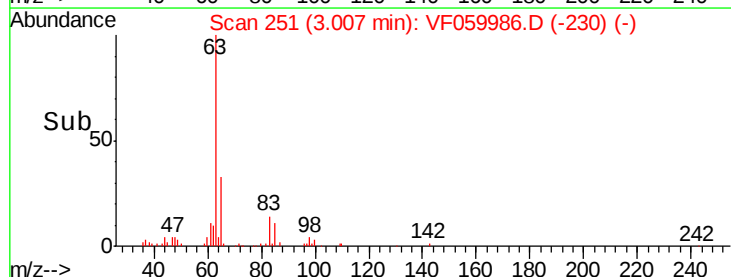
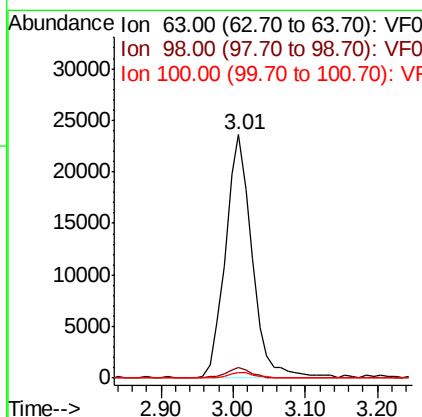
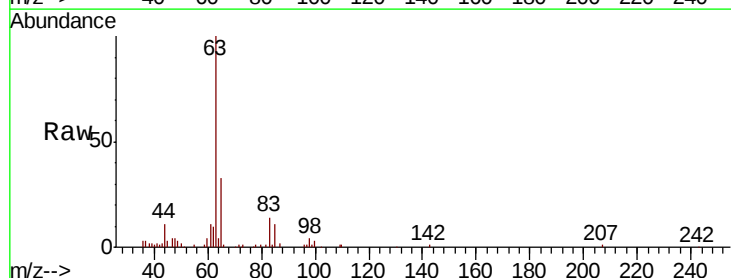
Tgt Ion: 63 Resp: 60679

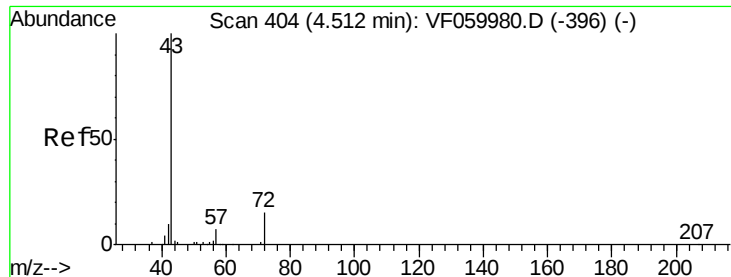
Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

100 2.5 1.4 4.2





#25

2-Butanone

Concen: 111.09 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 43 Resp: 68853

Ion Ratio Lower Upper

43 100

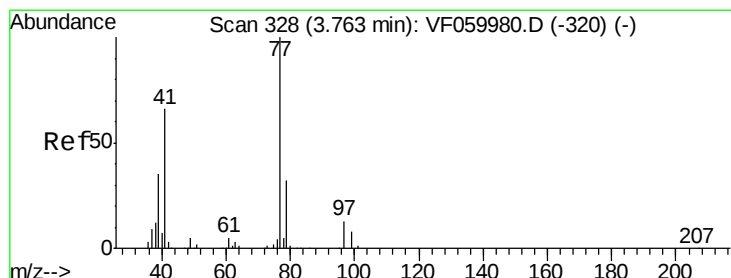
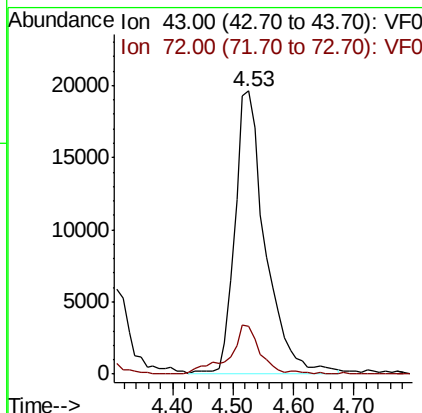
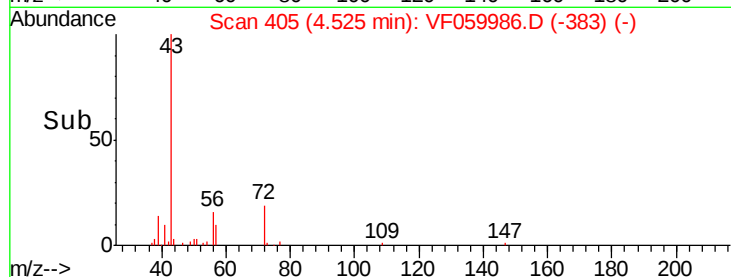
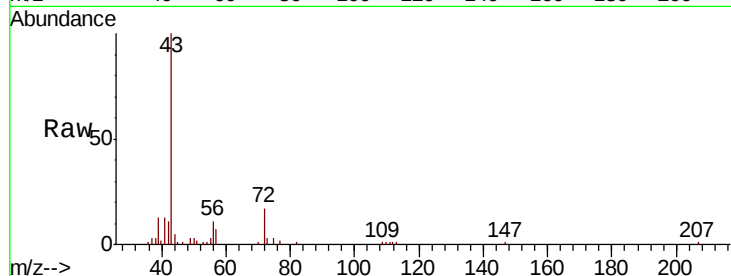
72 17.0 12.5 18.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.70 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF059986.D

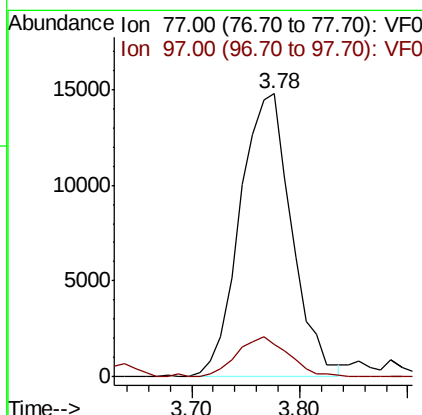
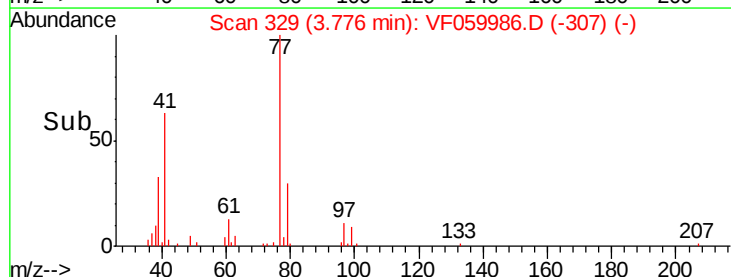
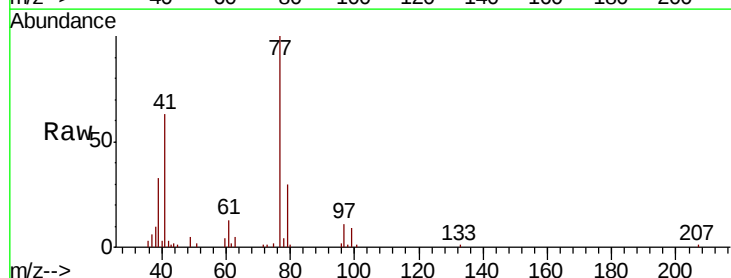
Acq: 17 Aug 2018 22:13

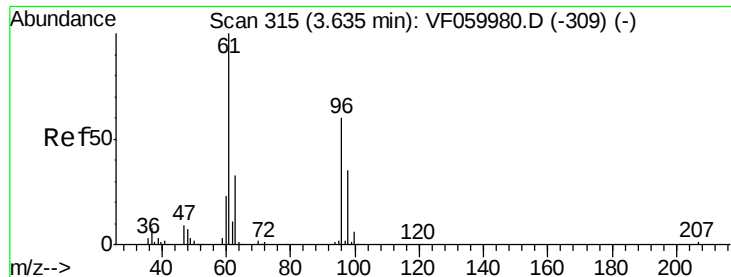
Tgt Ion: 77 Resp: 49228

Ion Ratio Lower Upper

77 100

97 11.3 6.7 20.0





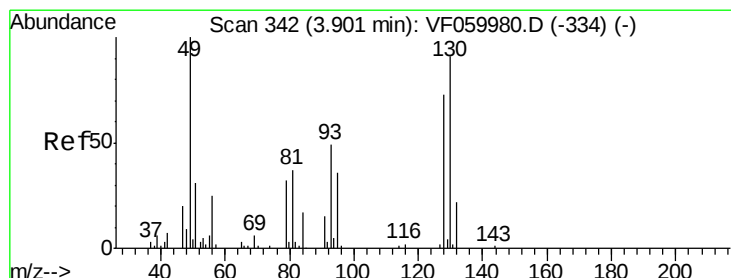
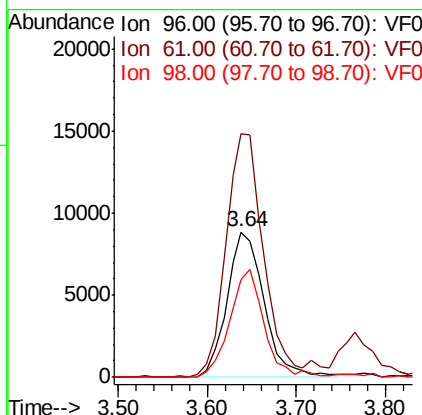
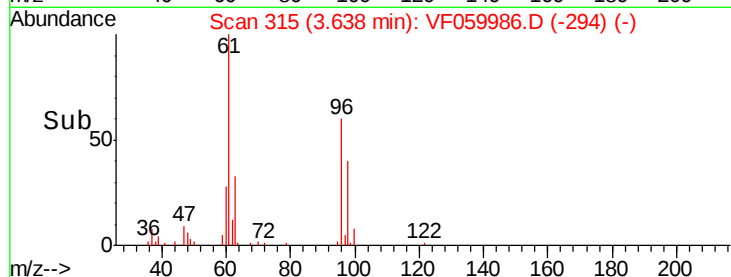
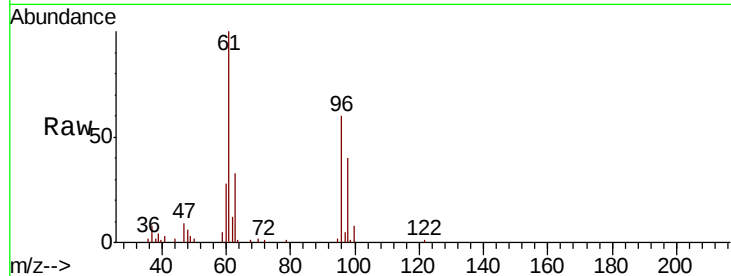
#27
 cis-1,2-Dichloroethene
 Concen: 21.09 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	25846		
61	167.5		0.0	335.0
98	69.7		0.0	117.2

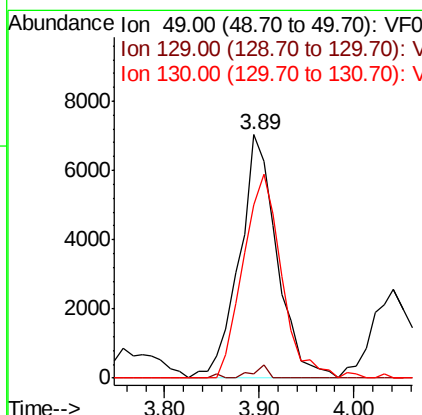
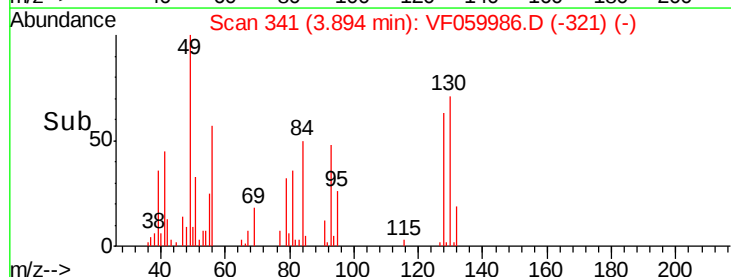
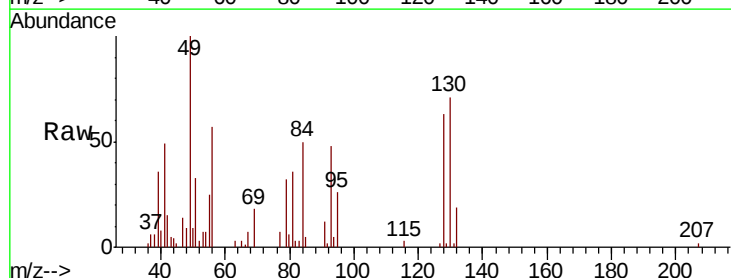
Manual Integrations
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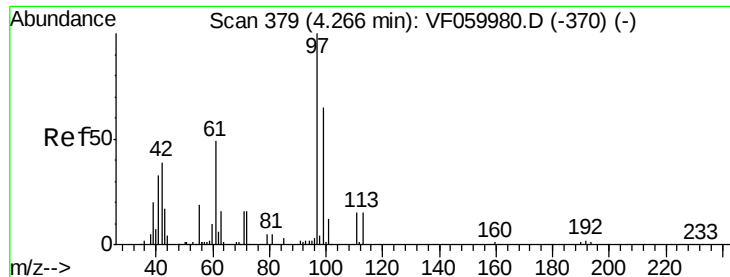
apatel
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#28
 Bromochloromethane
 Concen: 22.80 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19434		
129	1.6		0.0	7.6
130	70.9		71.3	106.9#





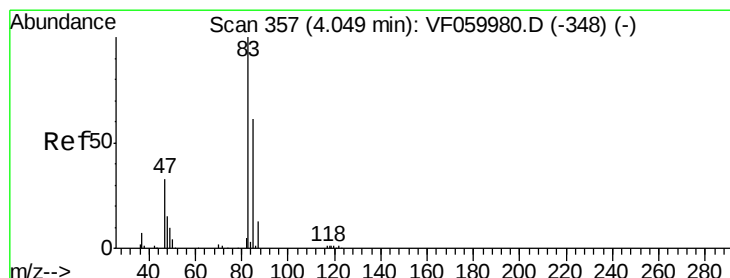
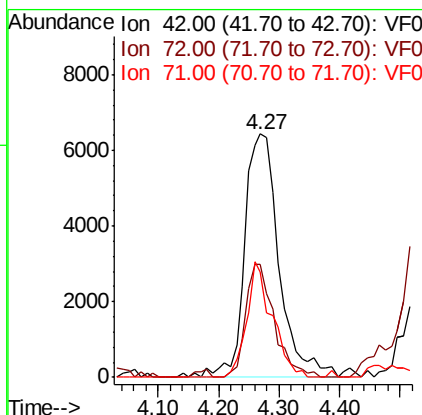
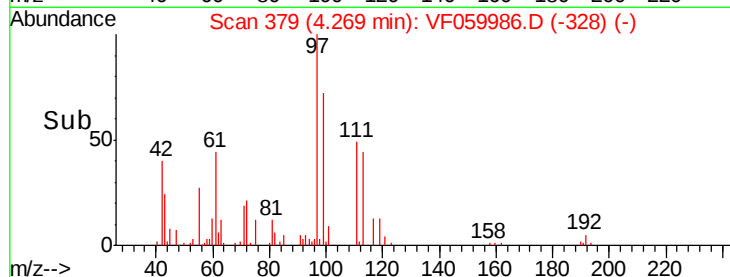
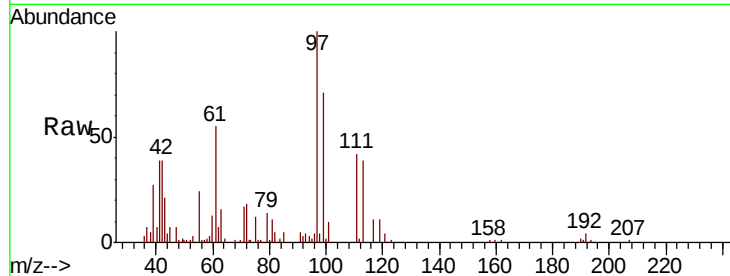
#29
Tetrahydrofuran
Concen: 114.49 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	42	Resp	25325
Ion Ratio	Lower	Upper	
42	100		
72	38.7	29.8	44.6
71	35.1	29.0	43.4

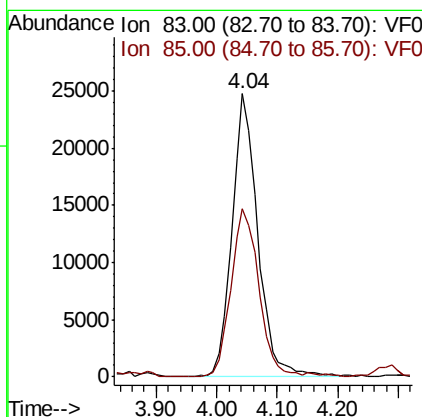
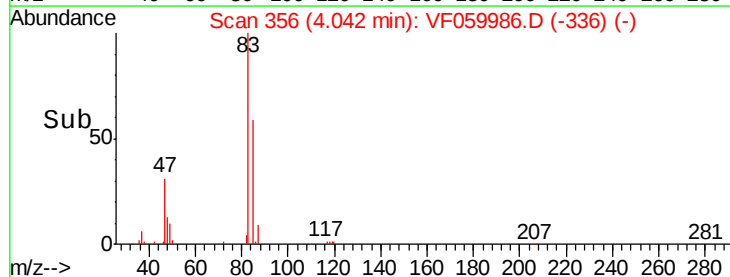
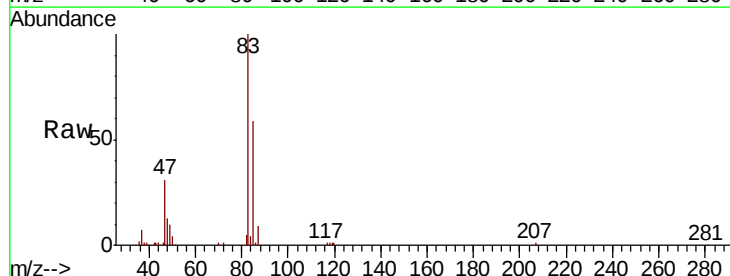
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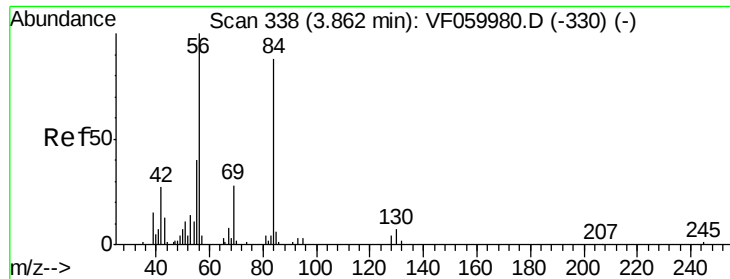
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#30
Chloroform
Concen: 21.29 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	83	Resp	73134
Ion Ratio	Lower	Upper	
83	100		
85	59.4	48.8	73.2





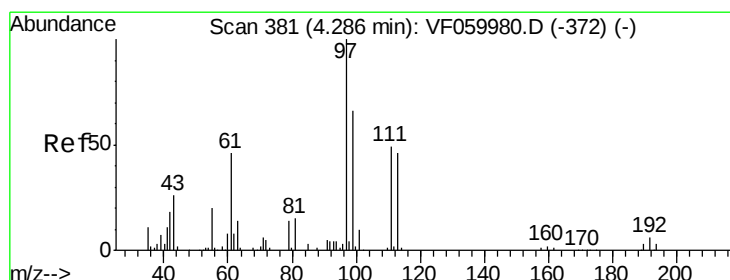
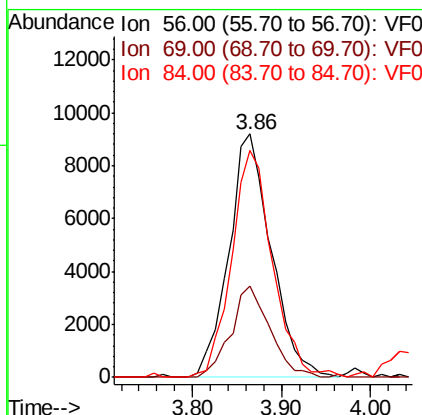
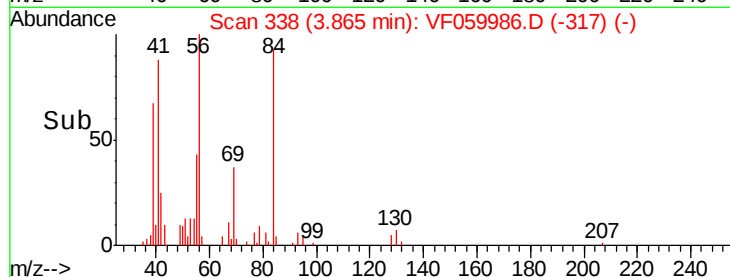
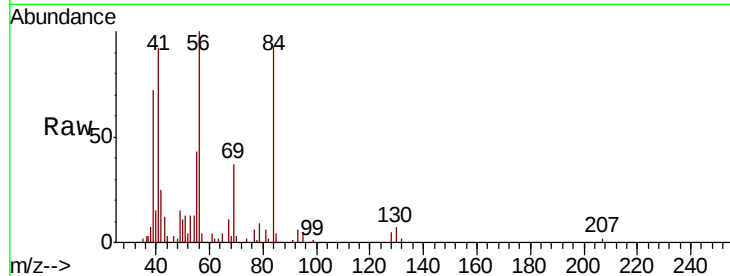
#31
Cyclohexane
Concen: 22.44 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	22.8	34.2#
84	93.2	70.7	106.1

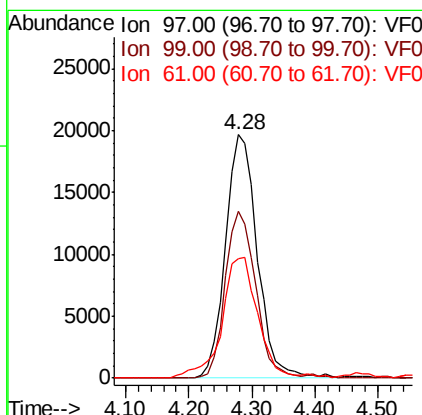
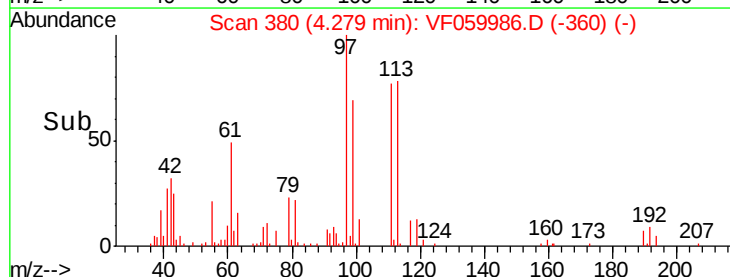
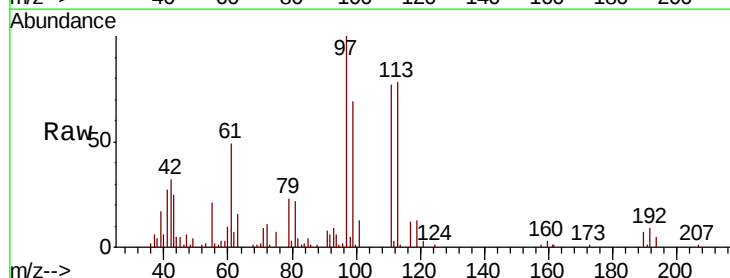
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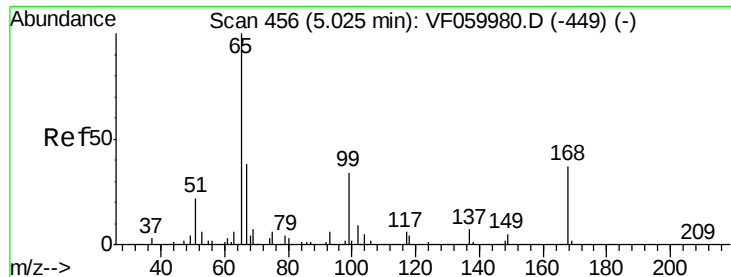
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#32
1,1,1-Trichloroethane
Concen: 20.48 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.5	53.1	79.7
61	48.8	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 48.61 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 65 Resp: 124632

Ion Ratio Lower Upper

65 100

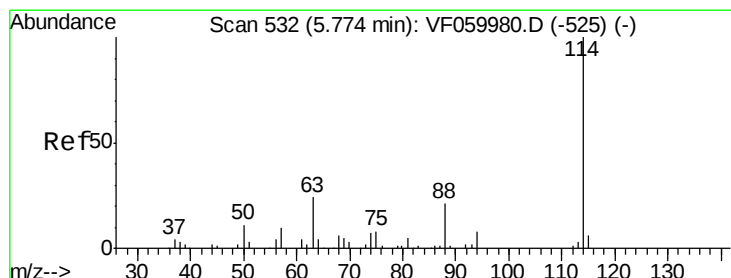
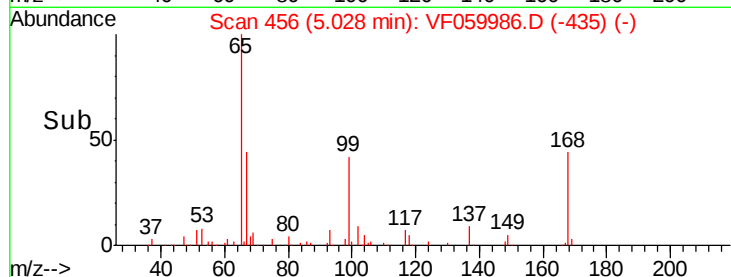
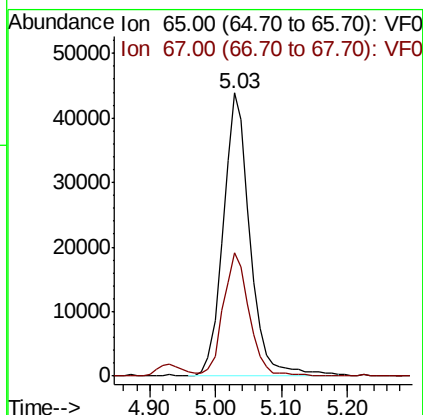
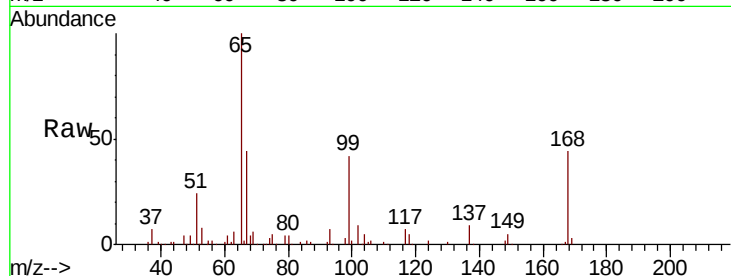
67 43.8 0.0 82.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

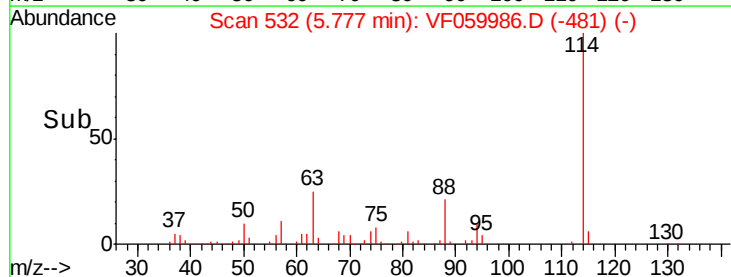
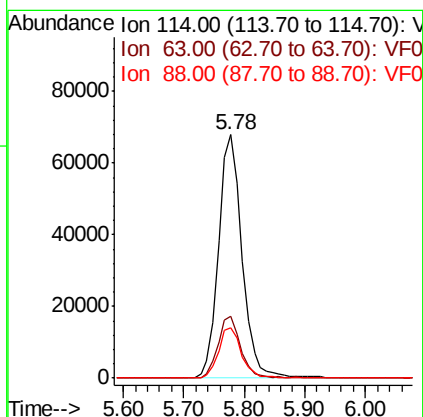
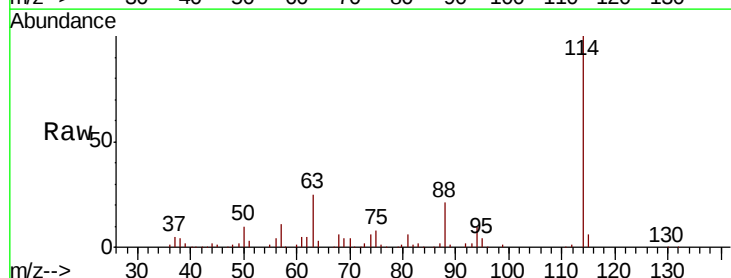
Tgt Ion: 114 Resp: 183670

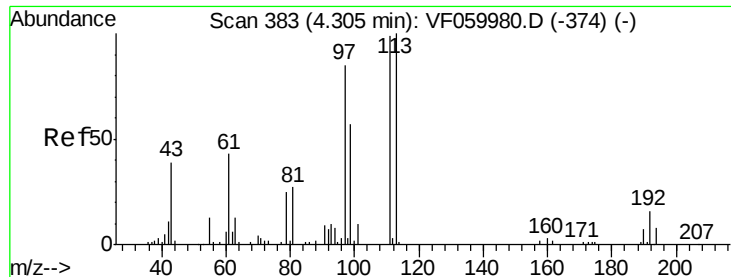
Ion Ratio Lower Upper

114 100

63 25.3 0.0 48.6

88 20.7 0.0 42.8





#35

Dibromofluoromethane

Concen: 48.89 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

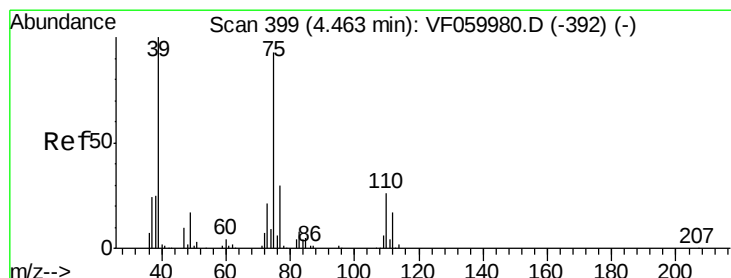
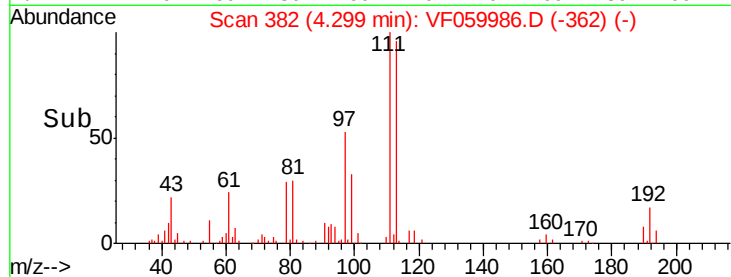
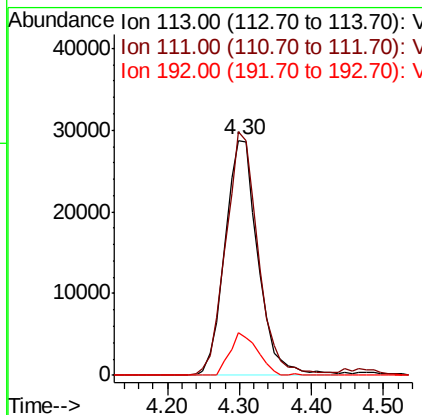
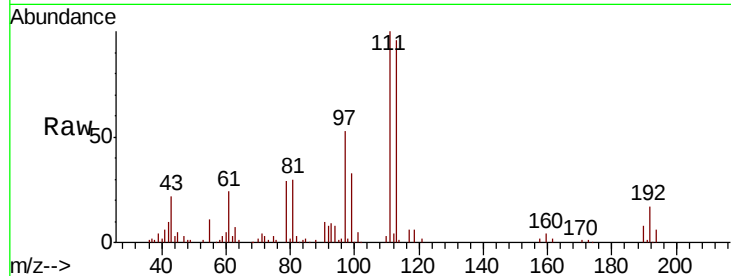
ClientSampleId :

VF0817SBS01

Tot Ion:	113	Resp:	91773
Ion Ratio	Lower	Upper	
113	100		
111	103.6	79.5	119.3
192	18.1	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 20.47 ug/l

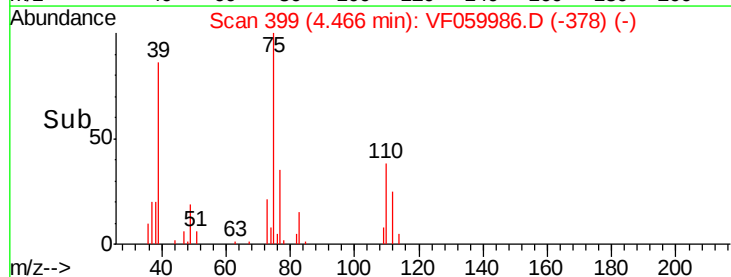
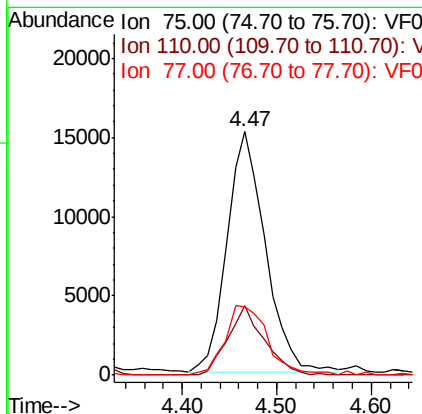
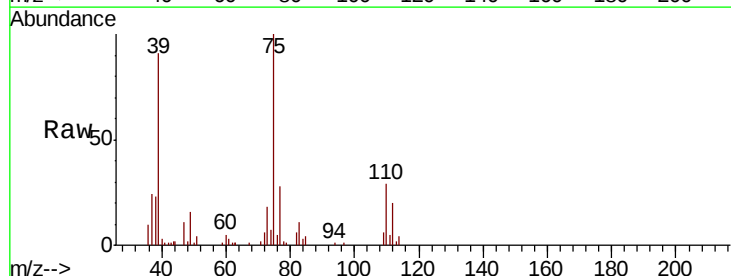
RT: 4.47 min Scan# 399

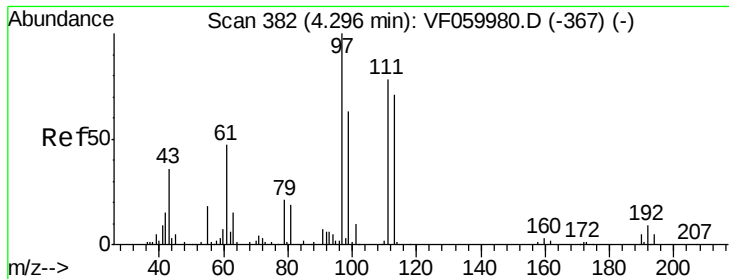
Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion:	75	Resp:	42822
Ion Ratio	Lower	Upper	
75	100		
110	28.6	13.8	41.4
77	27.8	25.8	38.8





#37

Ethyl Acetate

Concen: 26.06 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

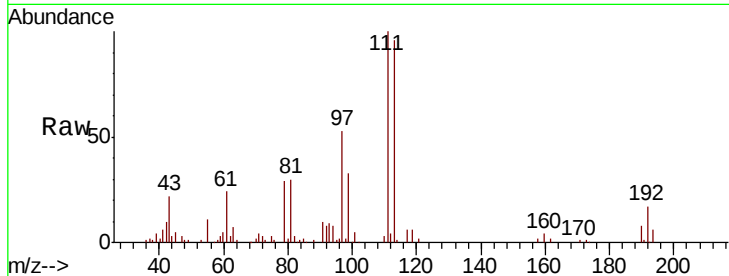
ClientSampleID :

VF0817SBS01

Tot Ion:	43	Resp:	30138
Ion	Ratio	Lower	Upper
43	100		
61	109.0	104.5	156.7
70	8.0	5.9	8.9

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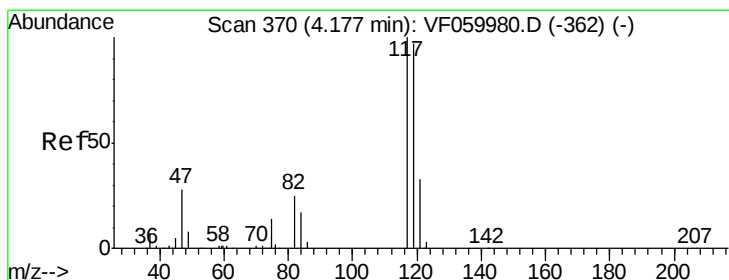
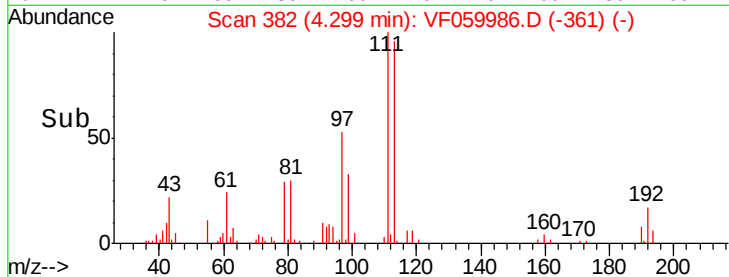
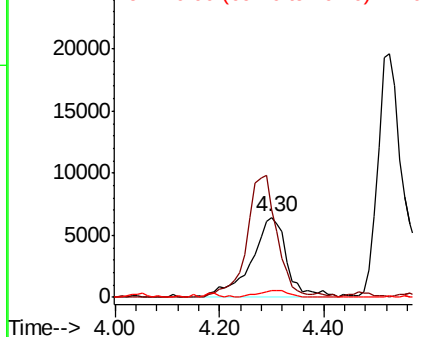


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 21.03 ug/l

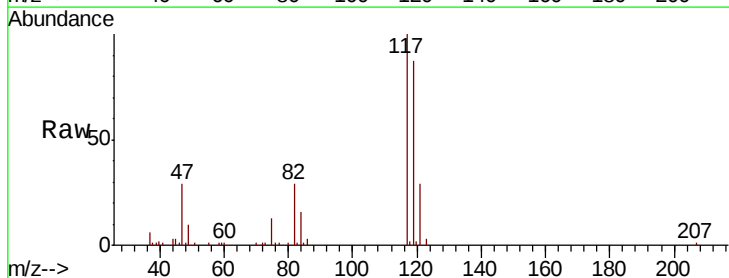
RT: 4.17 min Scan# 369

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion:	117	Resp:	63095
Ion	Ratio	Lower	Upper
117	100		
119	86.6	77.8	116.6
121	29.4	26.0	39.0

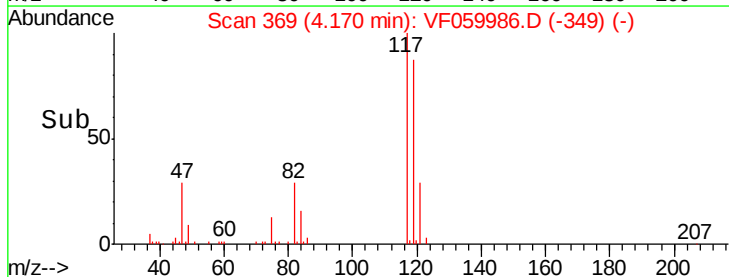
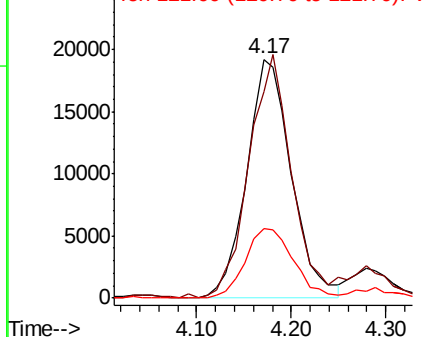


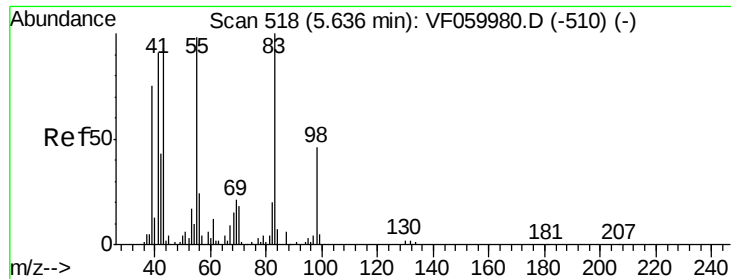
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





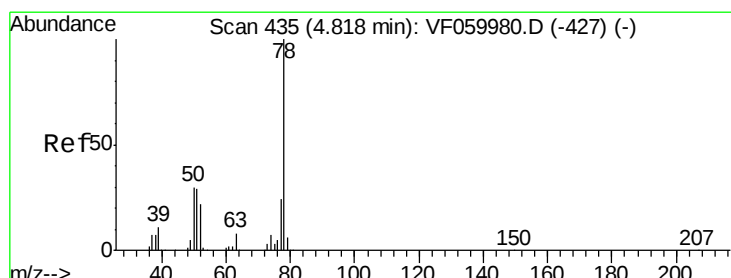
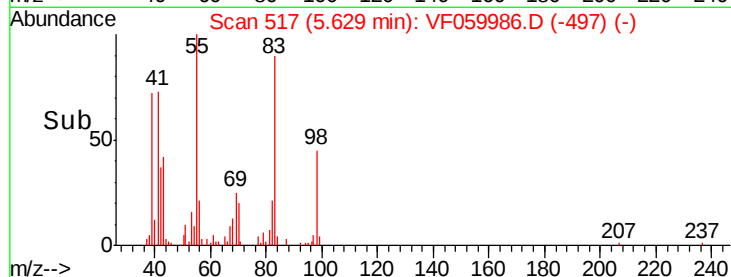
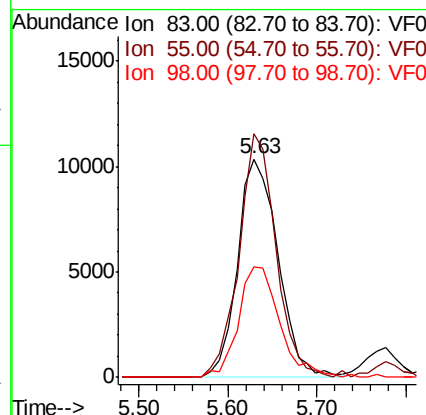
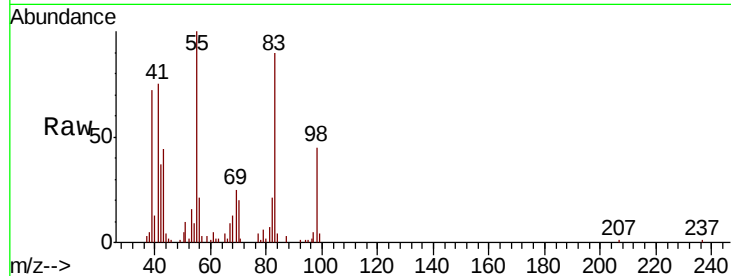
#39
Methvlcvclohexane
Concen: 20.88 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	111.5	78.8	118.2
98	50.5	36.8	55.2

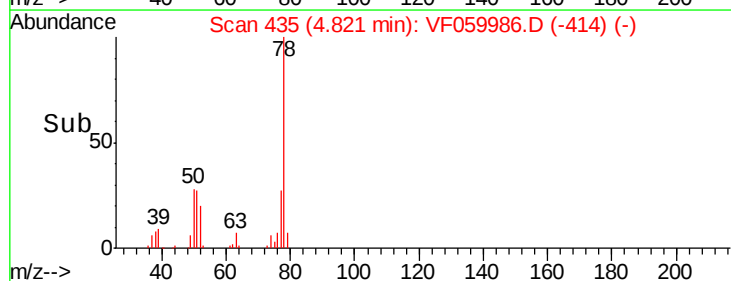
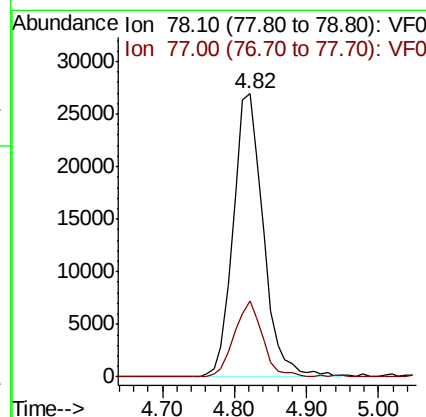
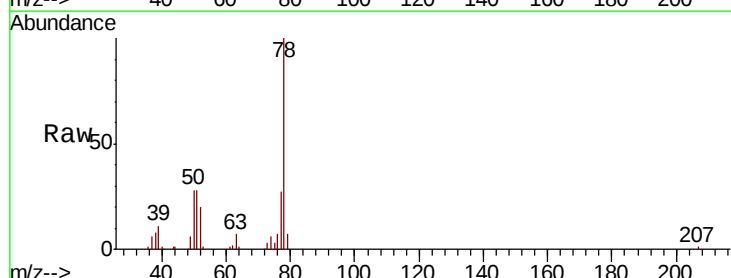
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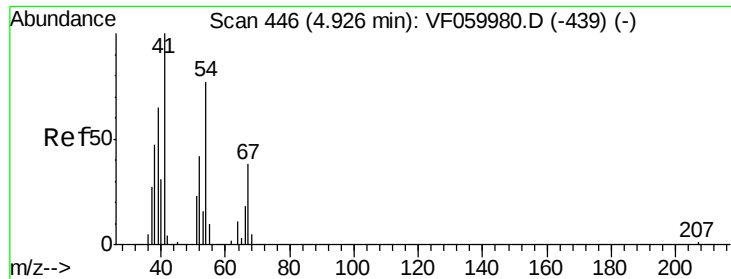
apatel
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#40
Benzene
Concen: 22.23 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.7	19.1	28.7





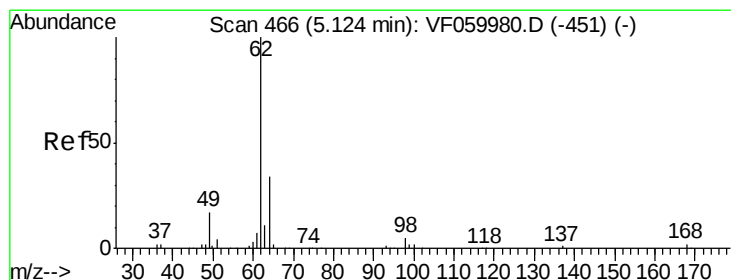
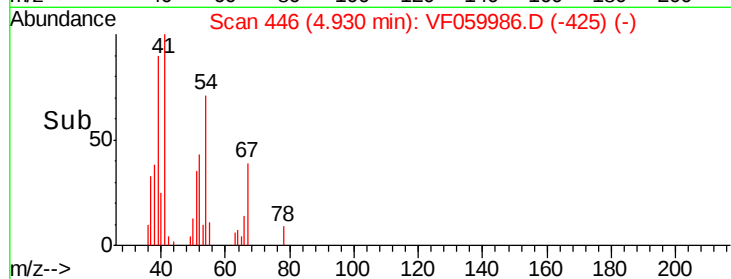
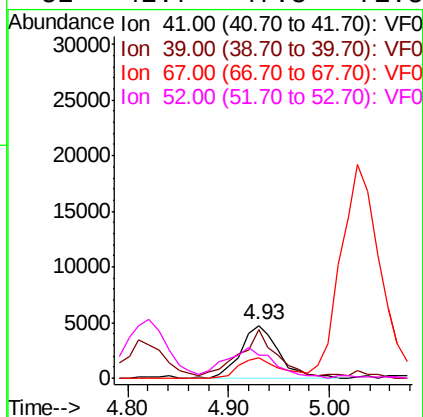
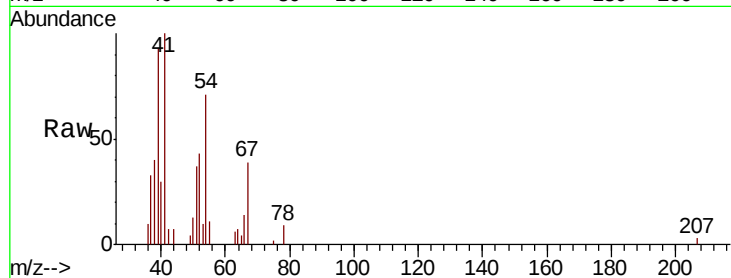
#41
Methacrylonitrile
Concen: 22.42 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	93.3	62.9	94.3		
67	39.2	30.4	45.6		
52	42.7	47.8	71.8		

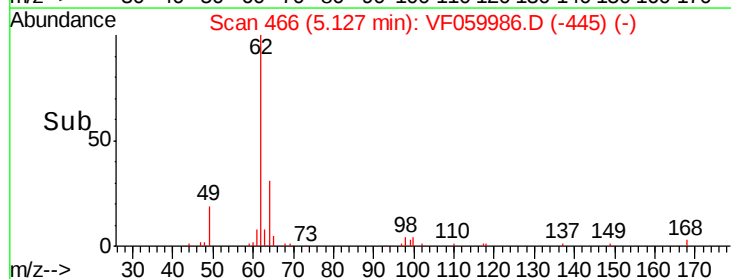
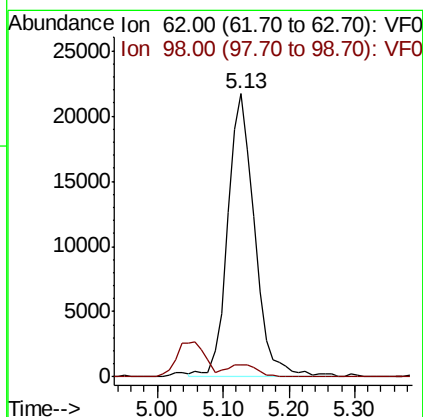
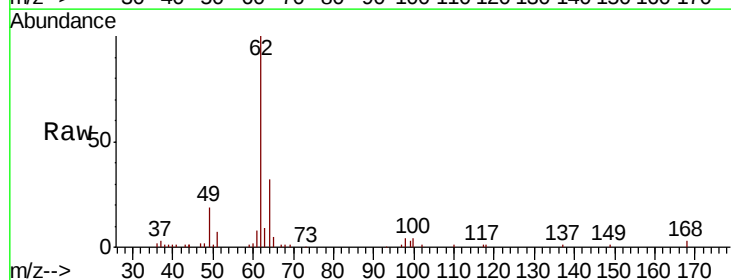
Manual Integrations
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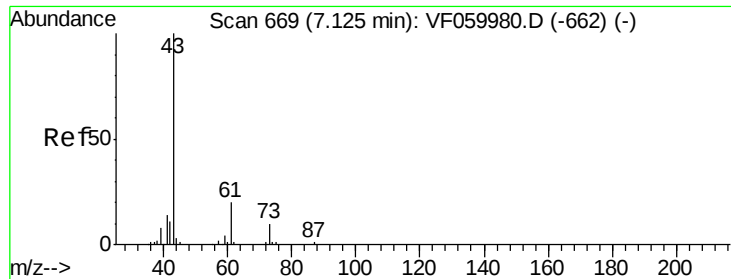
apatel
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#42
1,2-Dichloroethane
Concen: 20.74 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	4.2	0.0	9.0		





#43

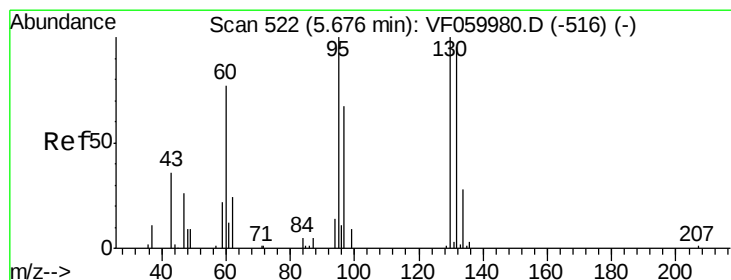
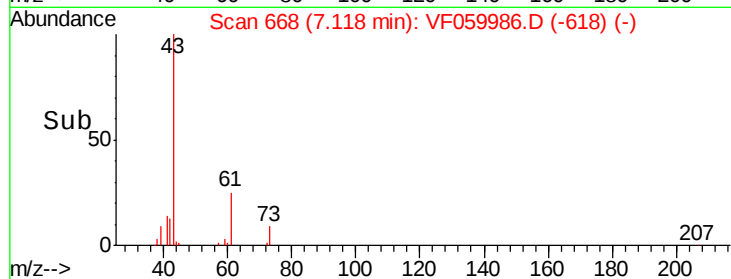
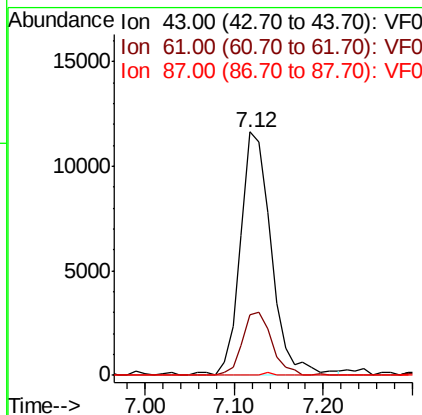
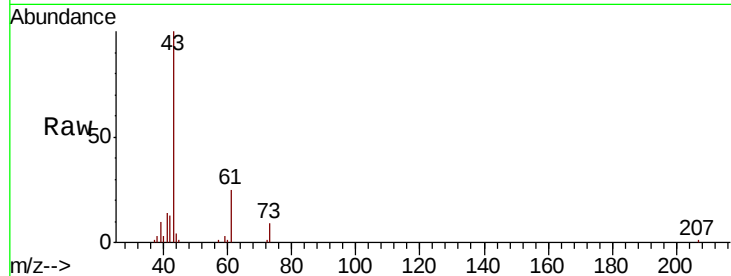
Isopropyl Acetate
 Concen: 22.03 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	15.8	23.8#
87	0.0	0.6	0.8#

Manual Integrations
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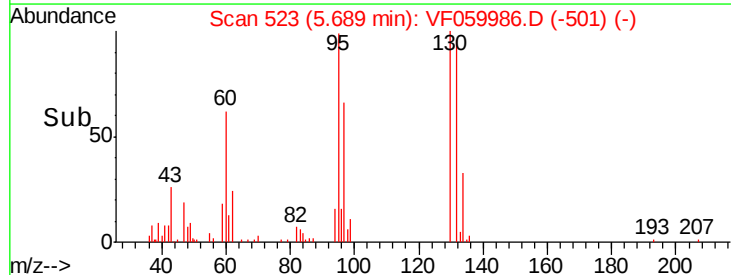
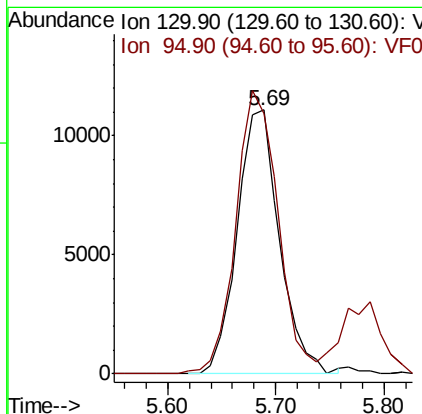
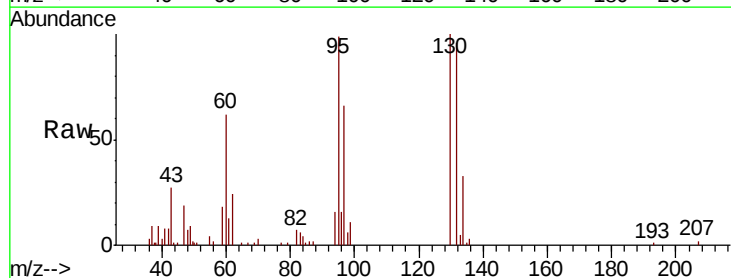
apatel
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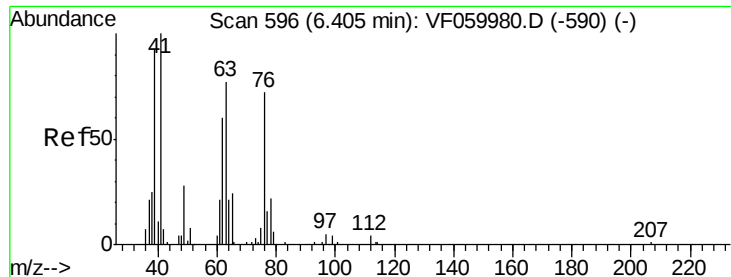


#44

Trichloroethene
 Concen: 21.83 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	201.8





#45

1,2-Dichloropropane

Concen: 21.55 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 63 Resp: 21825

Ion Ratio Lower Upper

63 100

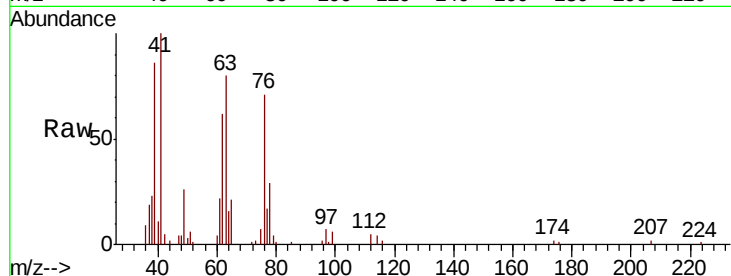
65 26.8 25.0 37.6

Manual Integrations

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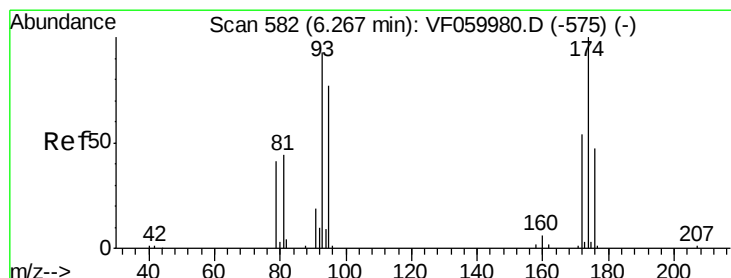
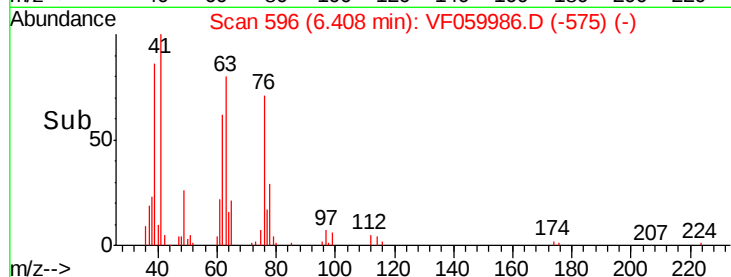
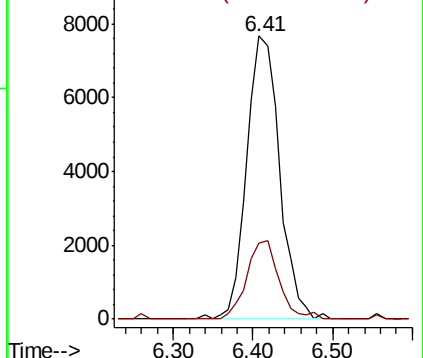
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.30 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

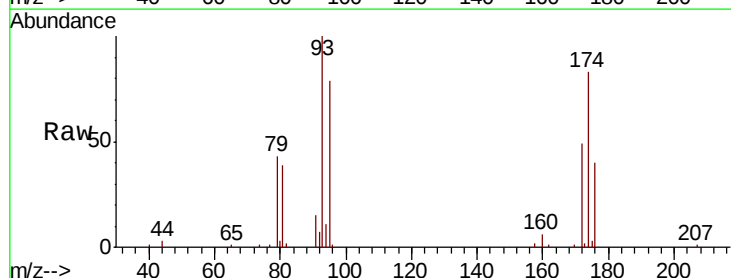
Tgt Ion: 93 Resp: 22278

Ion Ratio Lower Upper

93 100

95 79.2 67.0 100.4

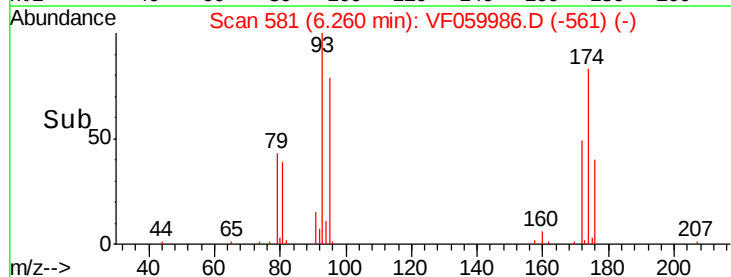
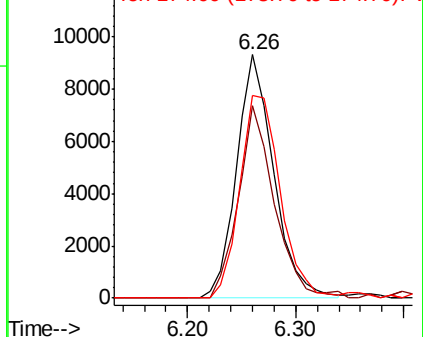
174 83.1 85.7 128.5#

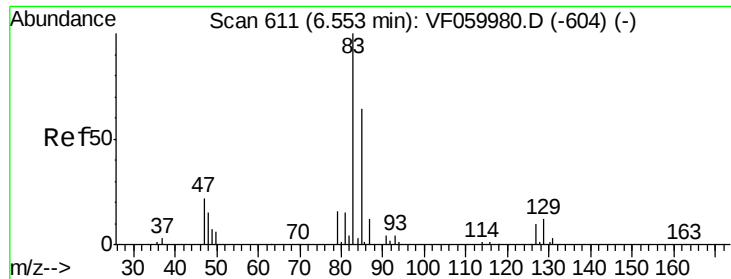


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.04 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

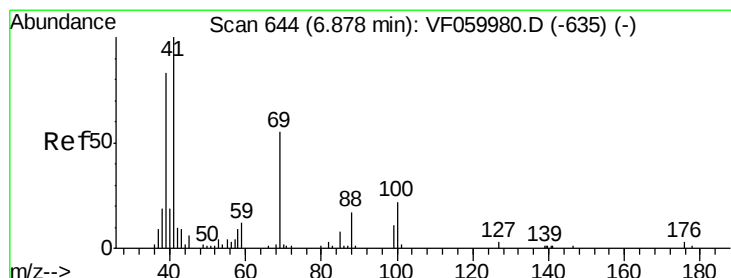
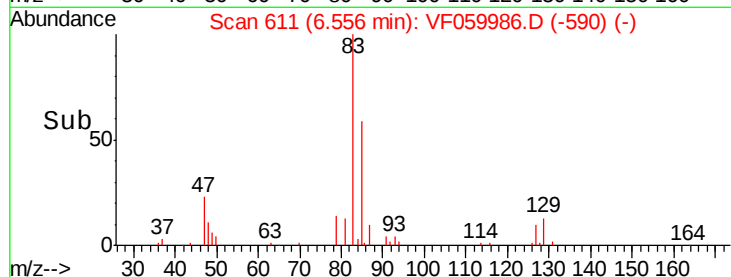
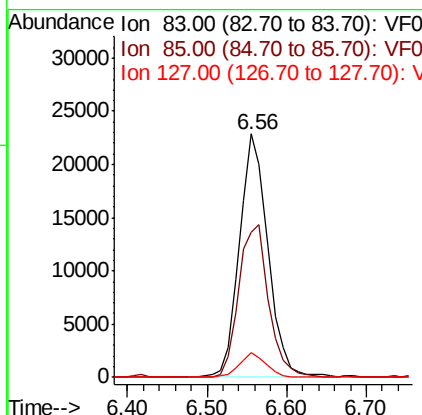
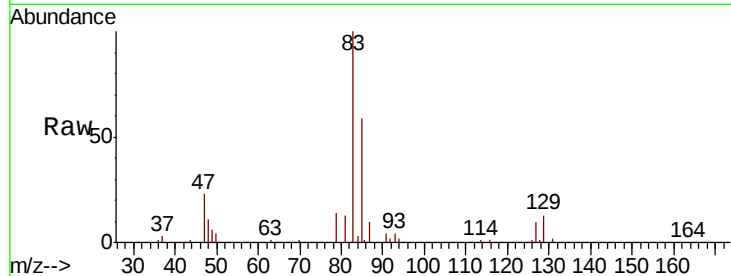
ClientSampleId :

VF0817SBS01

Tot Ion:	83	Resp:	56748
Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.4	77.0
127	10.9	8.2	12.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.42 ug/l

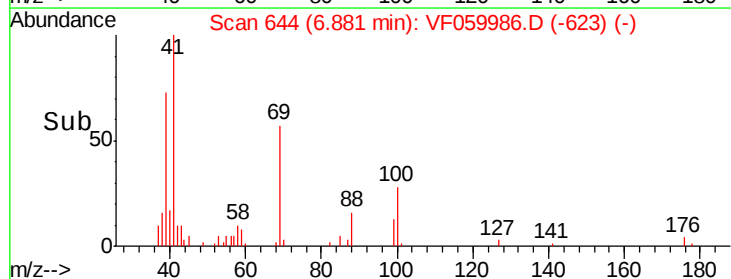
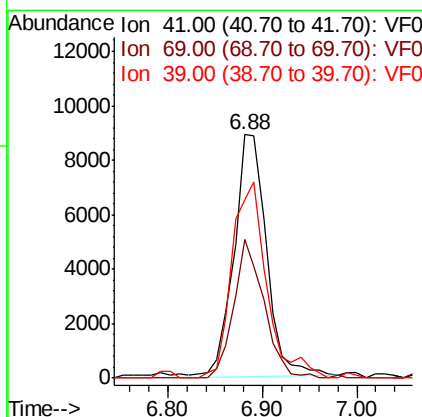
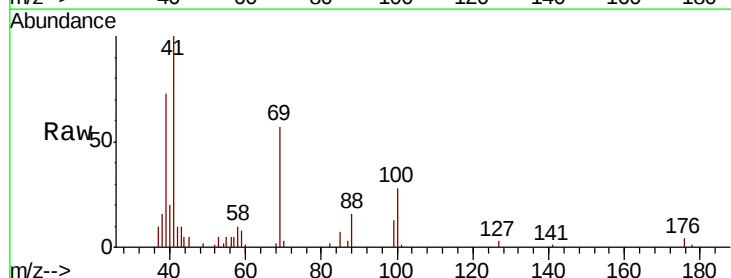
RT: 6.88 min Scan# 644

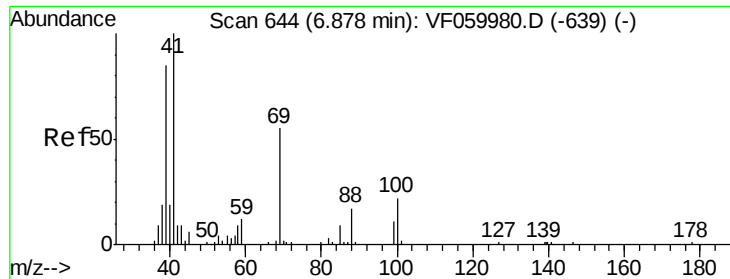
Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion:	41	Resp:	21242
Ion	Ratio	Lower	Upper
41	100		
69	56.7	44.4	66.6
39	73.3	67.8	101.6





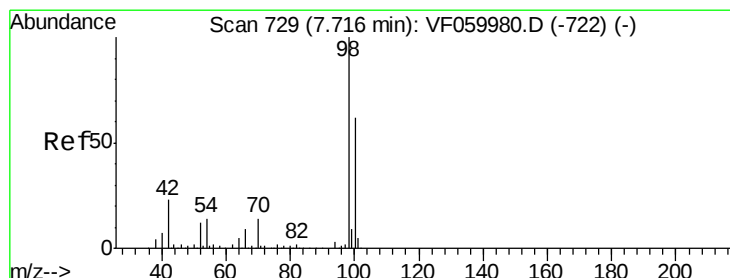
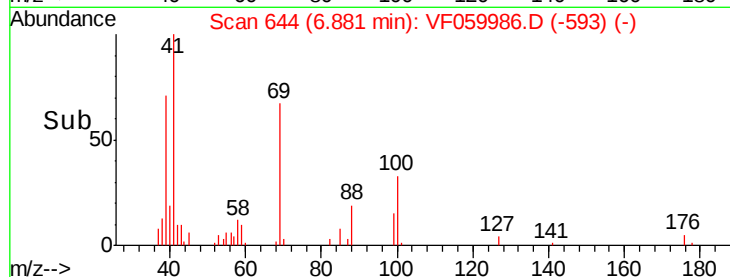
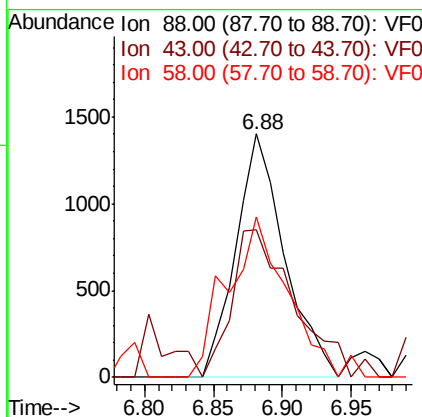
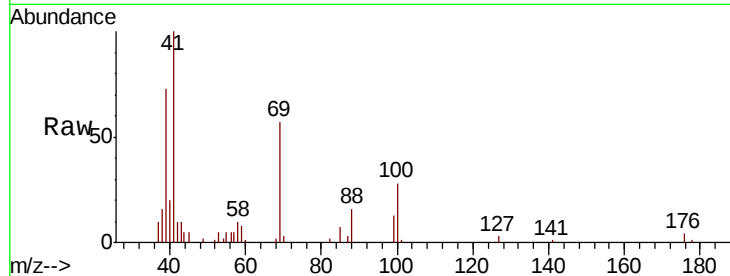
#49
1,4-Dioxane
Concen: 449.00 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	60.8	43.2	64.8
58	66.0	42.0	63.0

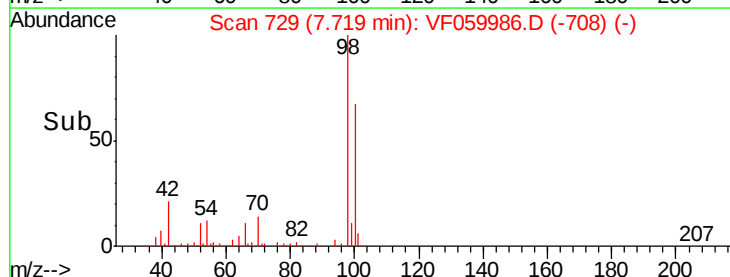
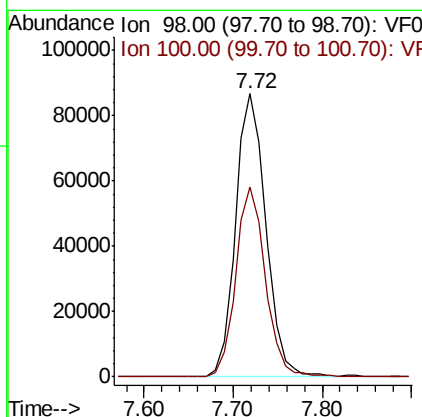
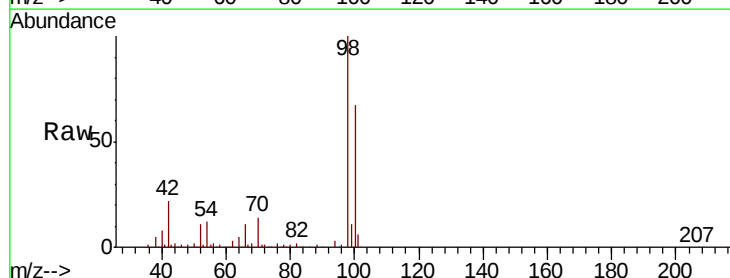
Manual Integrations
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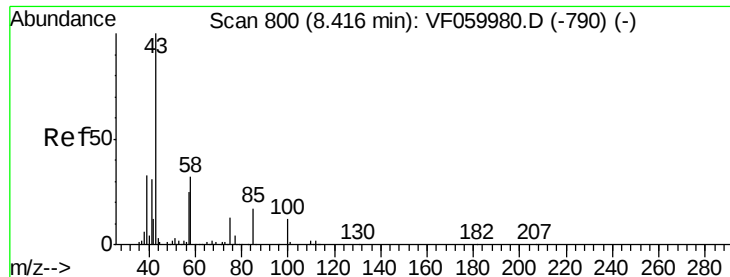
apatel
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#50
Toluene-d8
Concen: 49.21 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 115.01 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 43 Resp: 136725

Ion Ratio Lower Upper

43 100

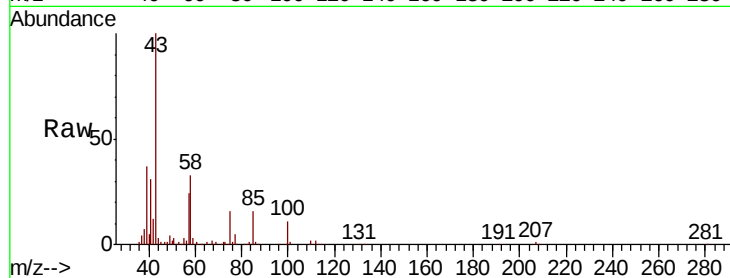
58 32.9 25.6 38.4

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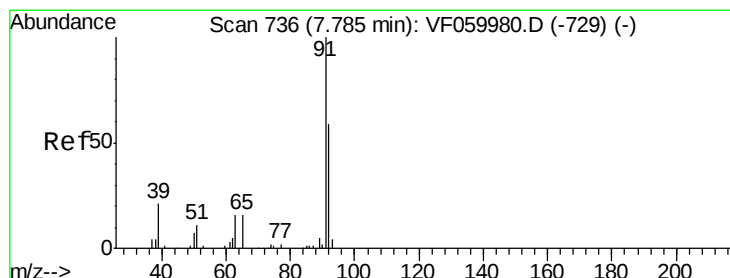
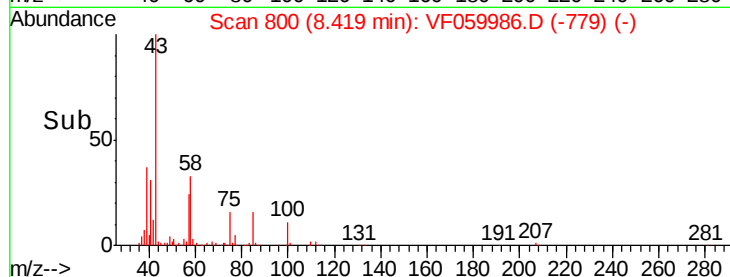
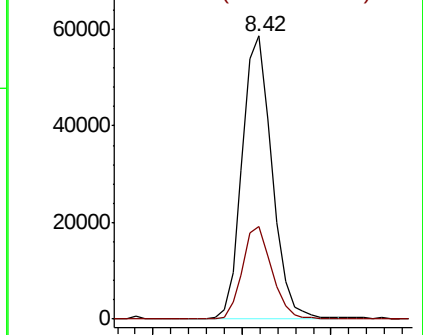
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.45 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059986.D

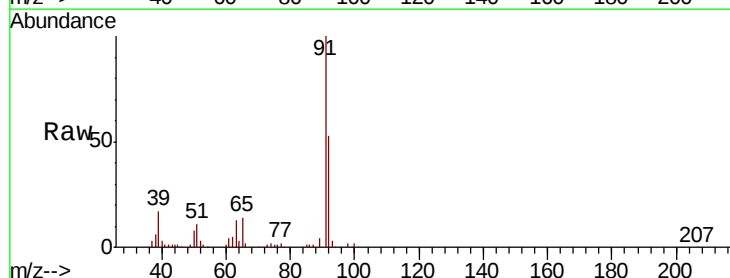
Acq: 17 Aug 2018 22:13

Tgt Ion: 92 Resp: 56852

Ion Ratio Lower Upper

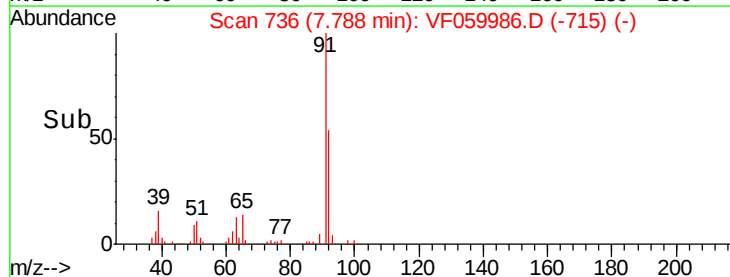
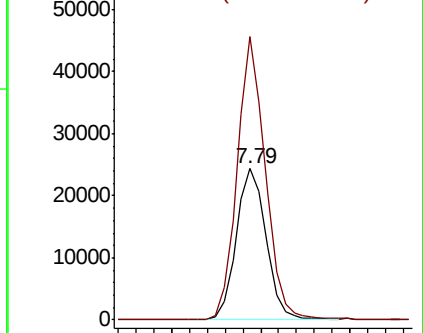
92 100

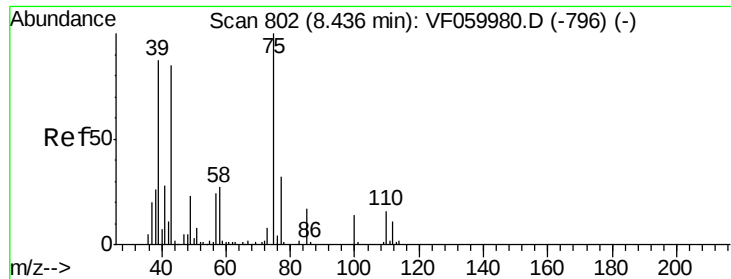
91 187.3 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 19.95 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 75 Resp: 45374

Ion Ratio Lower Upper

75 100

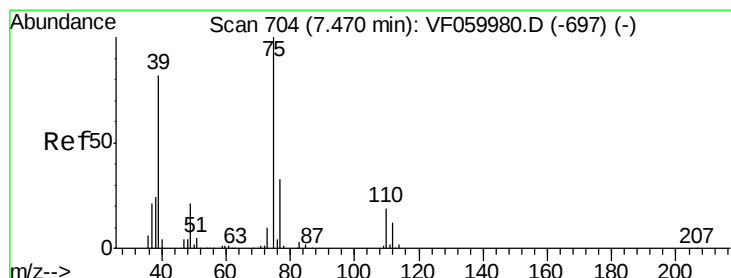
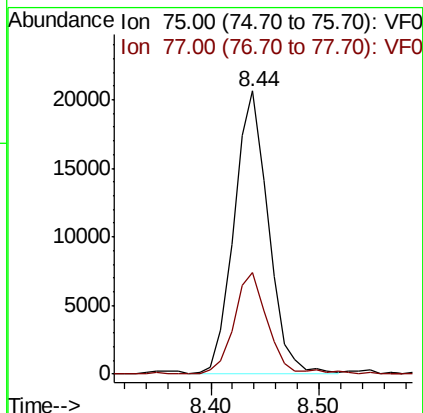
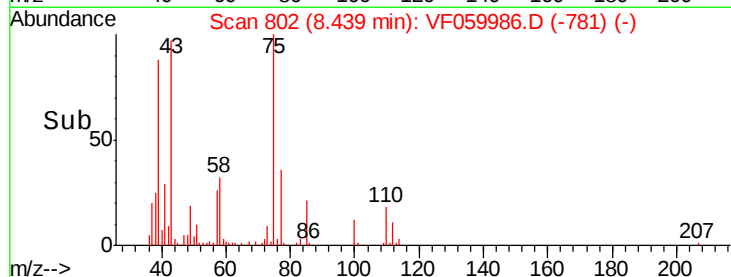
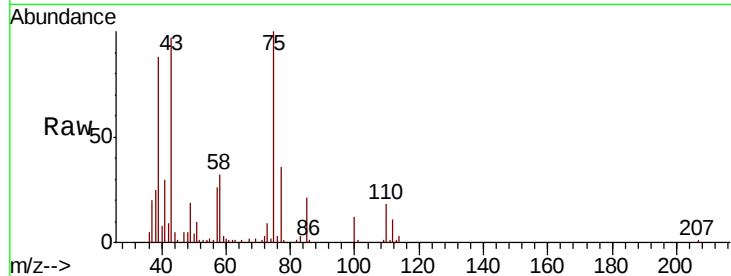
77 36.0 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 20.39 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

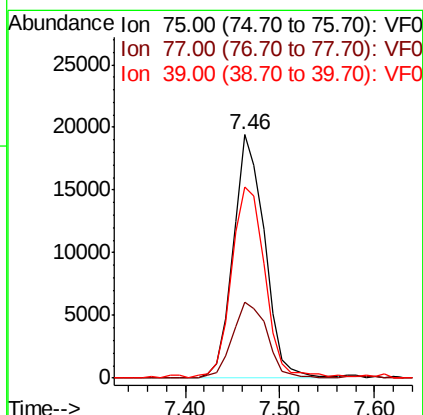
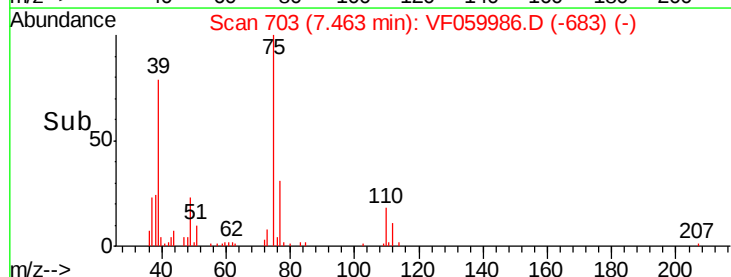
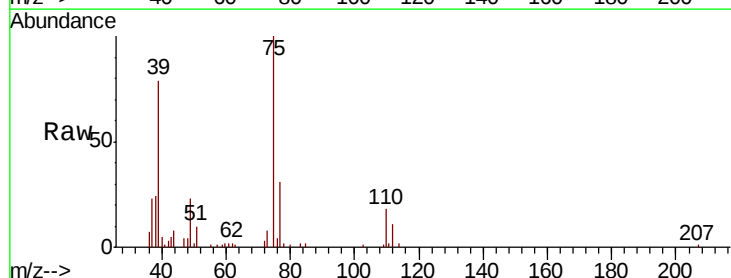
Tgt Ion: 75 Resp: 44778

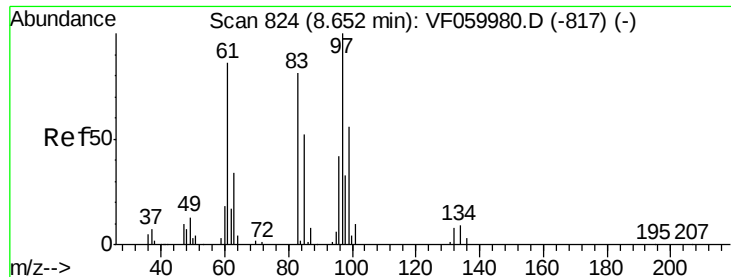
Ion Ratio Lower Upper

75 100

77 31.0 26.0 39.0

39 78.5 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 21.18 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

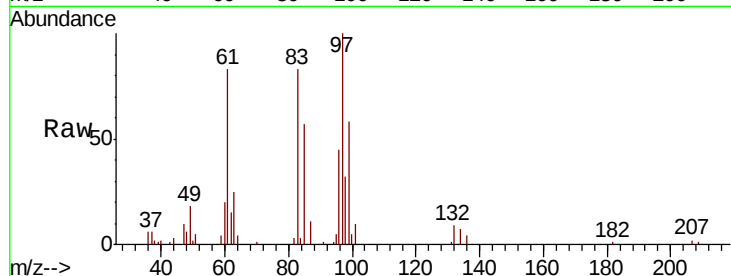
ClientSampleId :

VF0817SBS01

Tot Ion:	97	Resp:	22516
Ion	Ratio	Lower	Upper
97	100		
83	82.8	64.9	97.3
85	56.7	41.8	62.6
99	57.8	45.2	67.8

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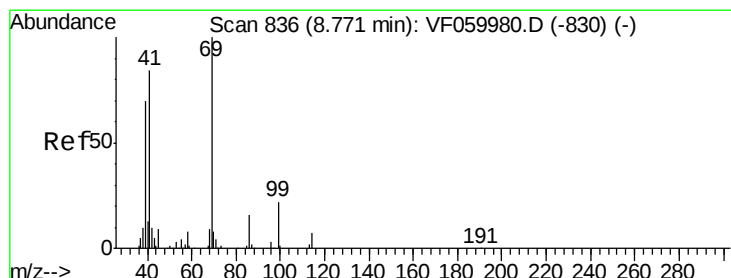
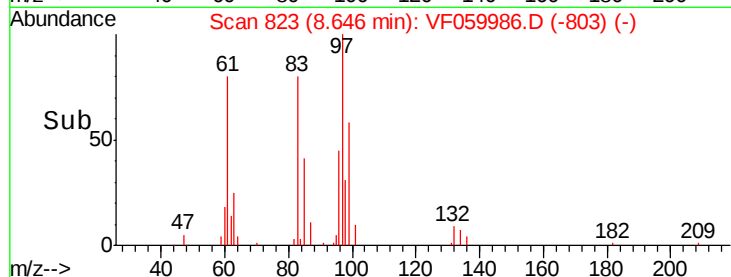
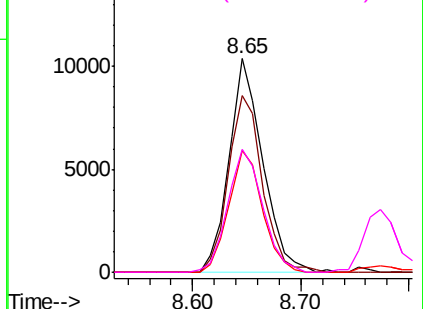


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 22.80 ug/l

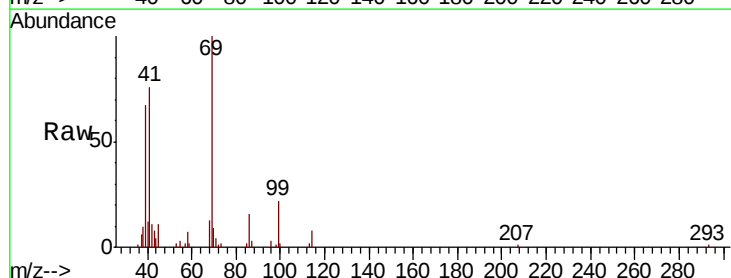
RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

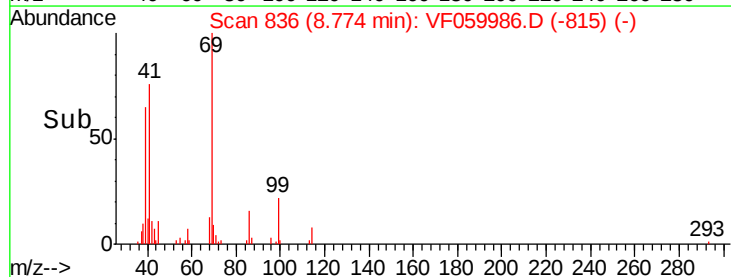
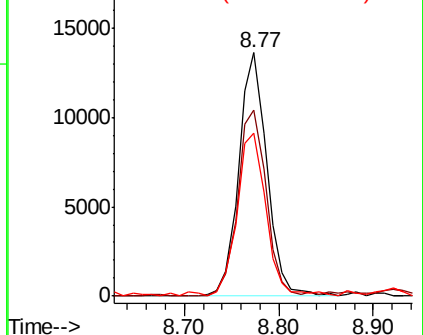
Tgt Ion:	69	Resp:	28083
Ion	Ratio	Lower	Upper
69	100		
41	76.5	67.8	101.6
39	67.0	55.8	83.6

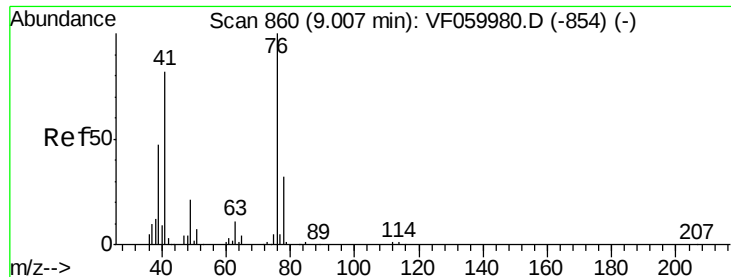


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.71 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 76 Resp: 41141

Ion Ratio Lower Upper

76 100

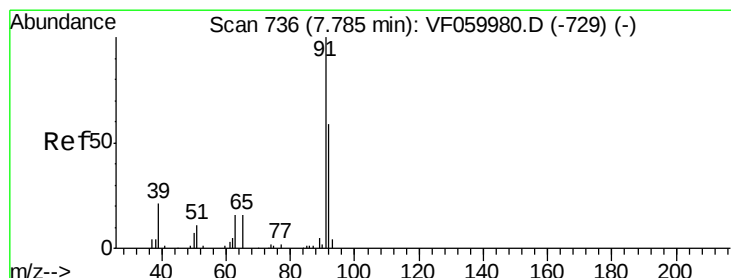
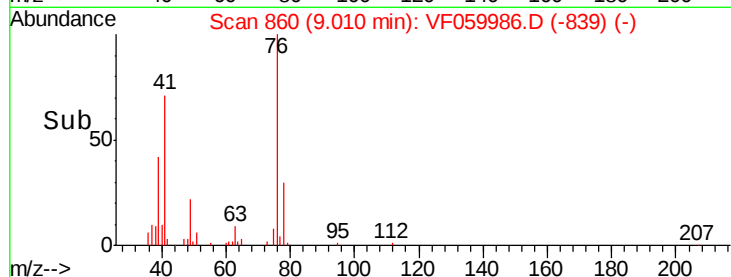
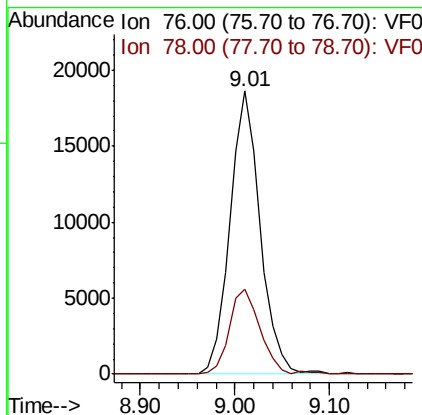
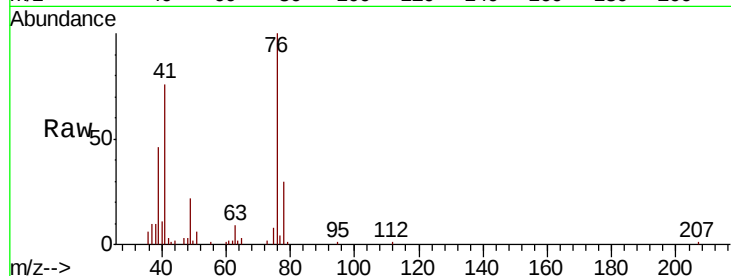
78 30.1 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 128.83 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059986.D

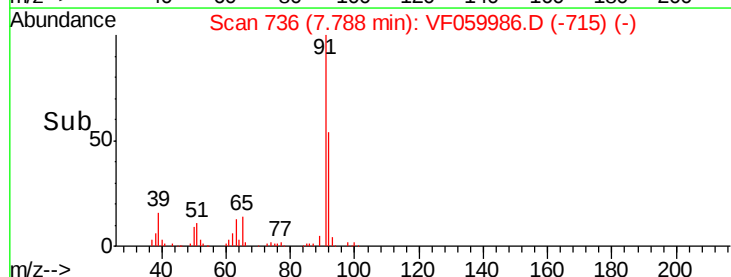
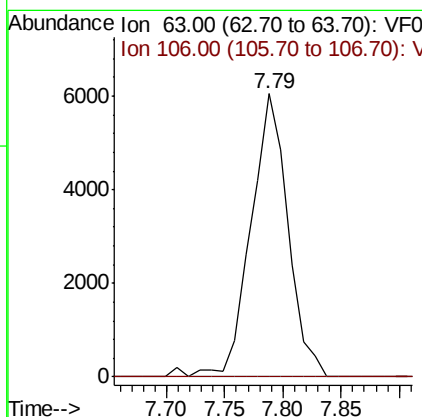
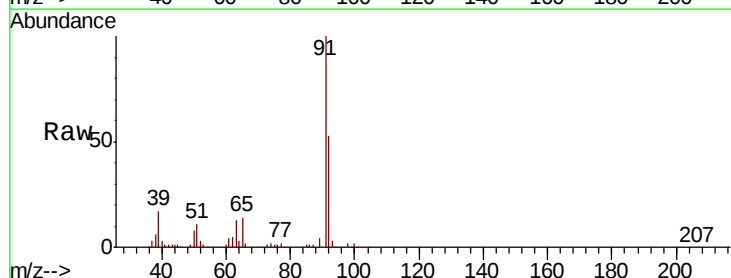
Acq: 17 Aug 2018 22:13

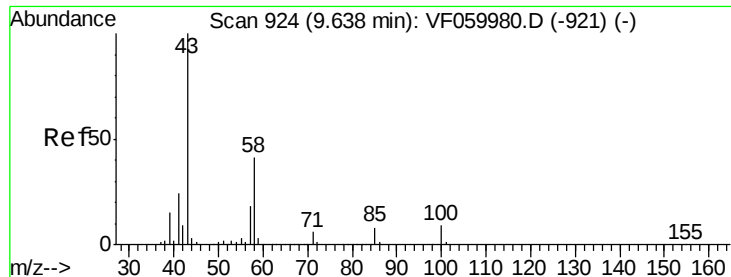
Tgt Ion: 63 Resp: 13309

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





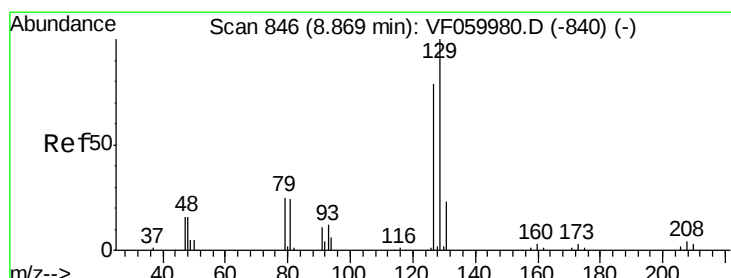
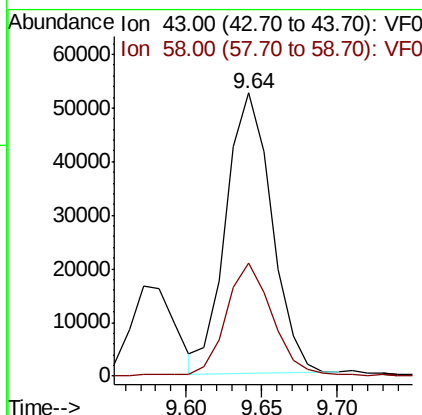
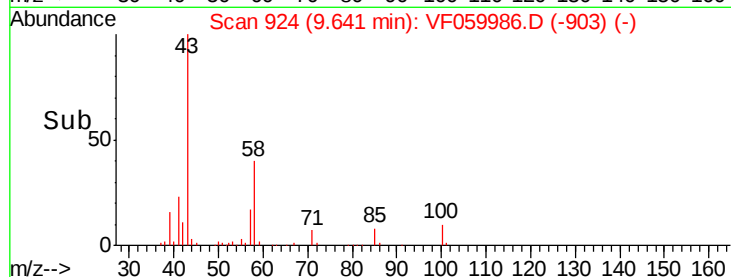
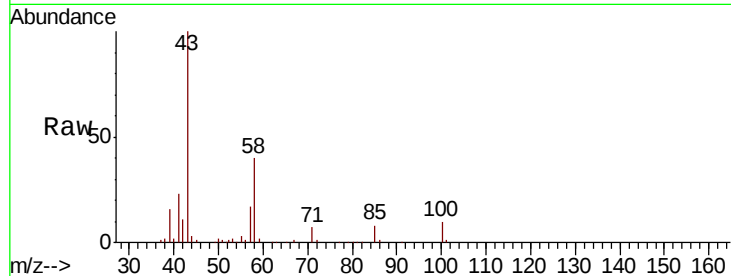
#59
2-Hexanone
Concen: 112.36 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	20.1	60.3

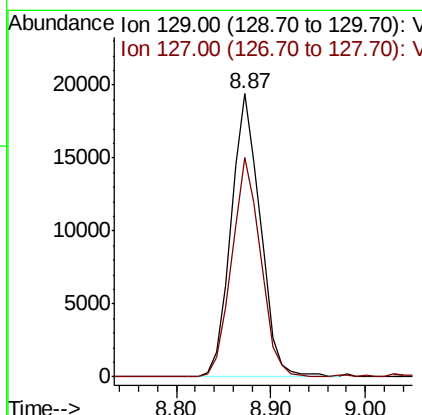
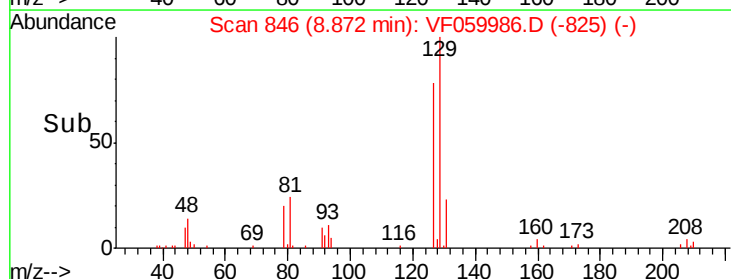
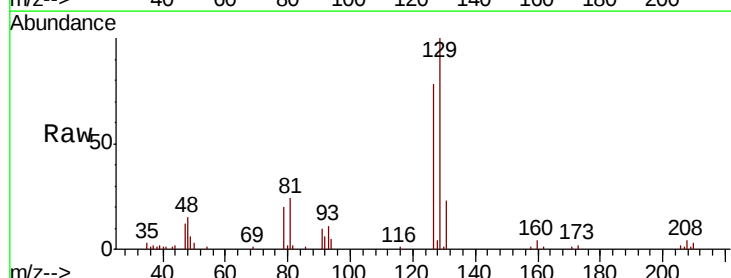
Manual Integrations
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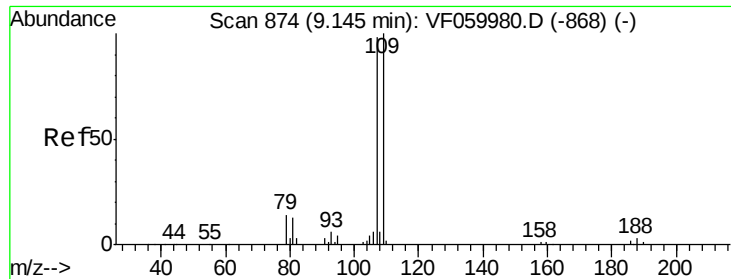
apatel
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#60
Dibromochloromethane
Concen: 21.37 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.5	118.5





#61

1,2-Dibromoethane

Concen: 22.45 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:107 Resp: 29779

Ion Ratio Lower Upper

107 100

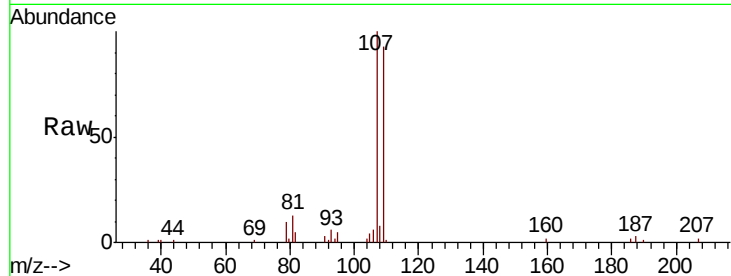
109 92.9 81.7 122.5

Manual Integrations

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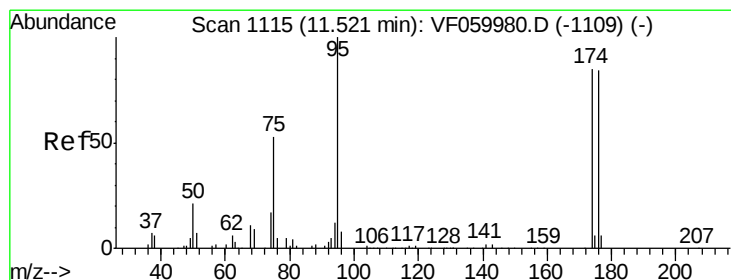
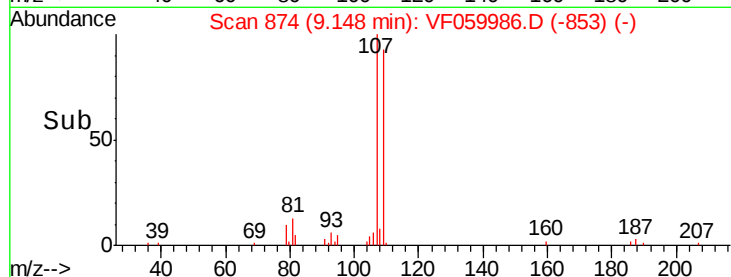
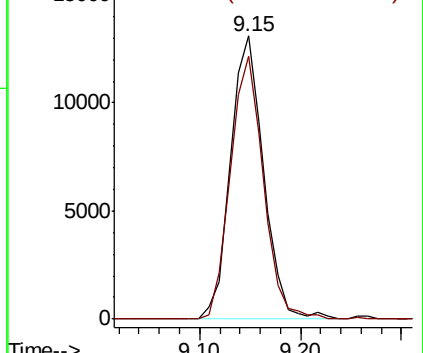
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.63 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

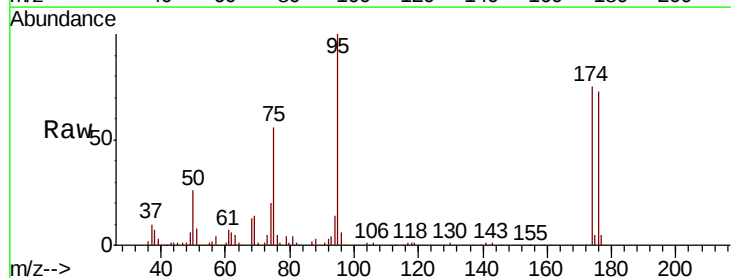
Tgt Ion: 95 Resp: 124573

Ion Ratio Lower Upper

95 100

174 75.4 0.0 169.8

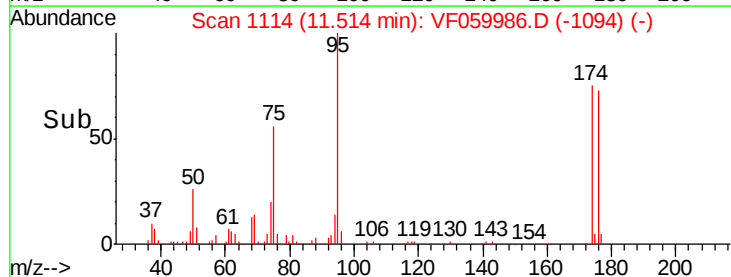
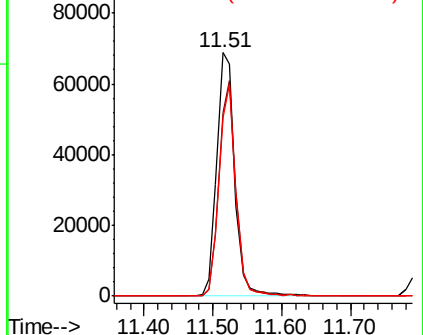
176 73.4 0.0 167.8

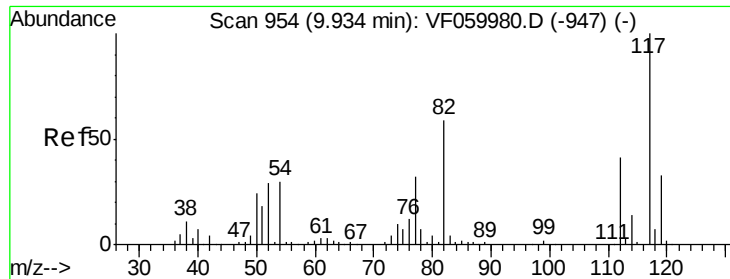


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





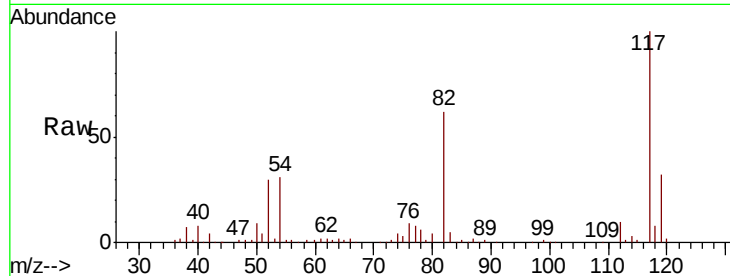
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	47.2	70.8
119	31.9	26.1	39.1

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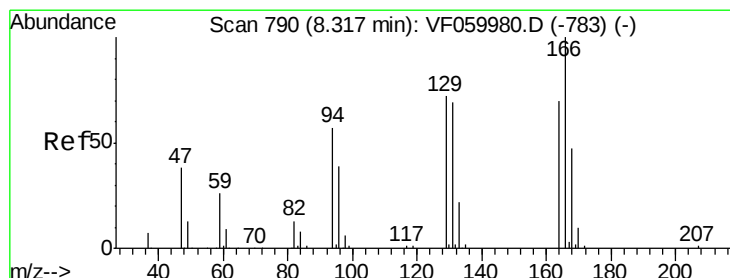
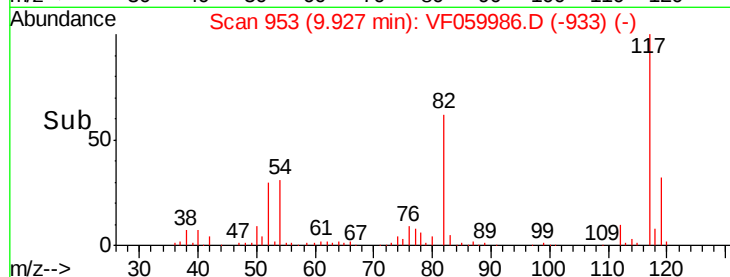
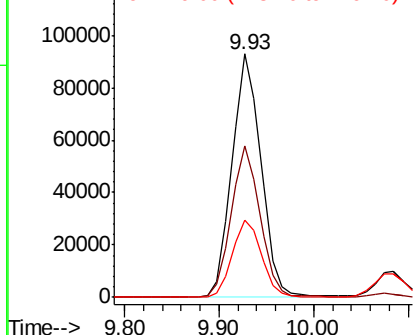


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 21.48 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	114.5	171.7
129	89.7	82.3	123.5
131	93.4	78.6	118.0

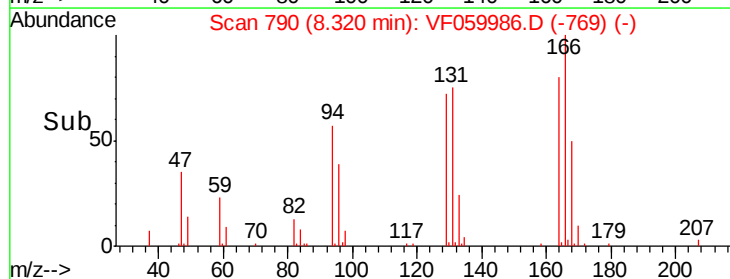
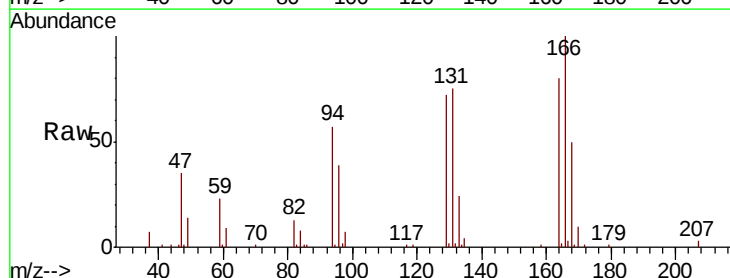
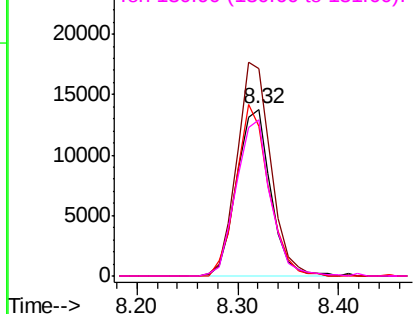
Abundance

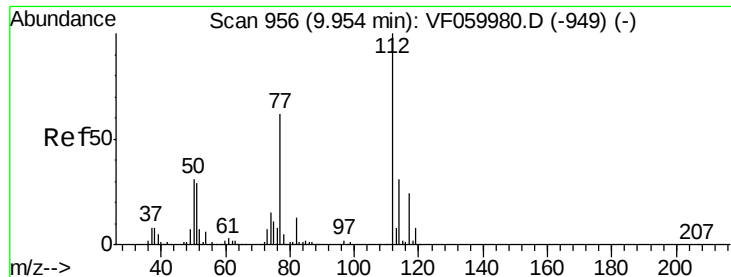
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 21.03 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:112 Resp: 82165

Ion Ratio Lower Upper

112 100

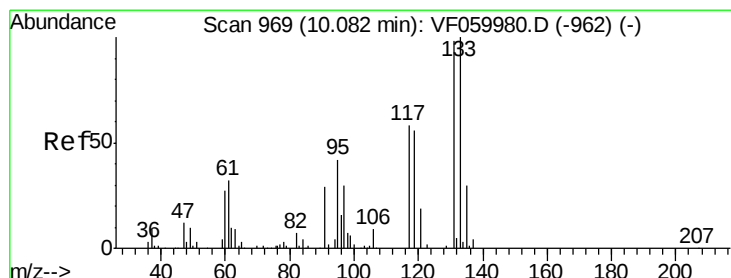
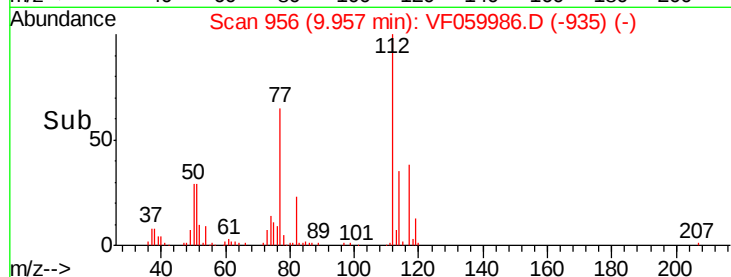
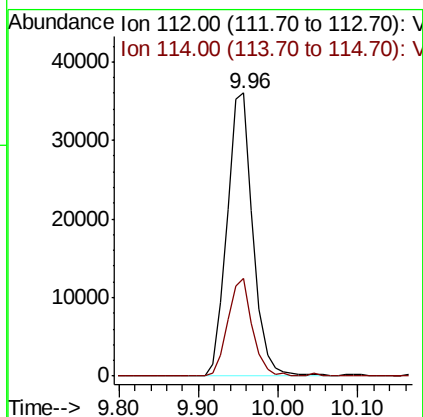
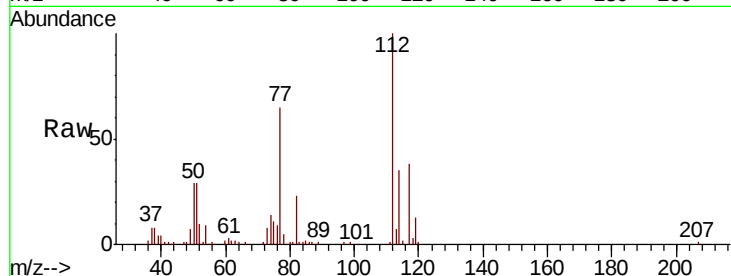
114 34.6 25.0 37.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.49 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

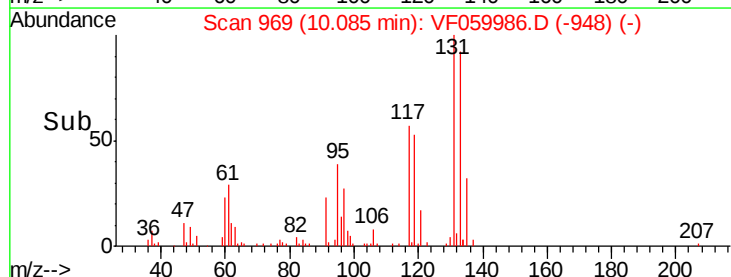
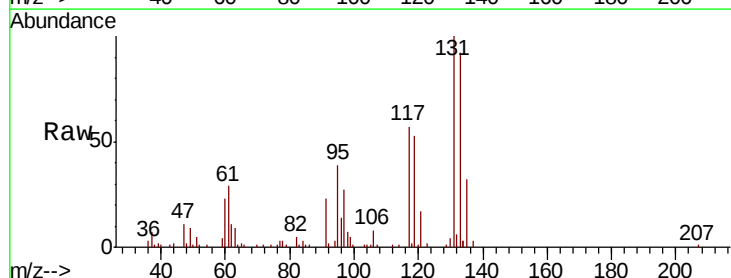
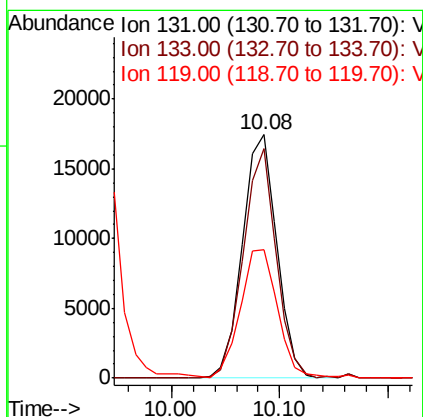
Tgt Ion:131 Resp: 38636

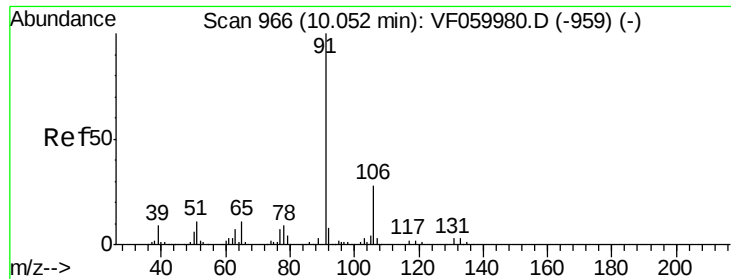
Ion Ratio Lower Upper

131 100

133 94.1 51.1 153.3

119 52.6 29.0 87.1





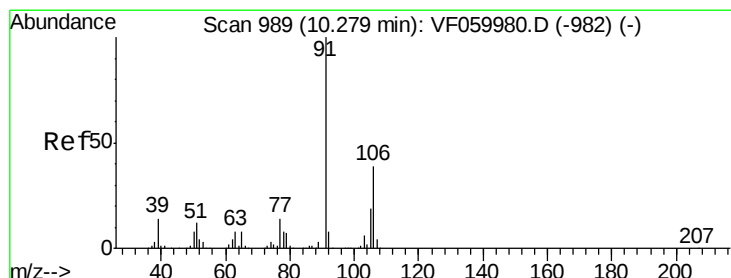
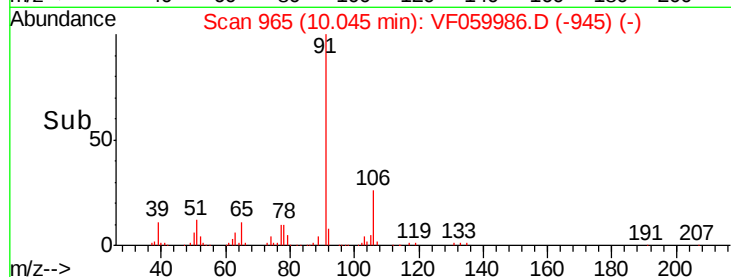
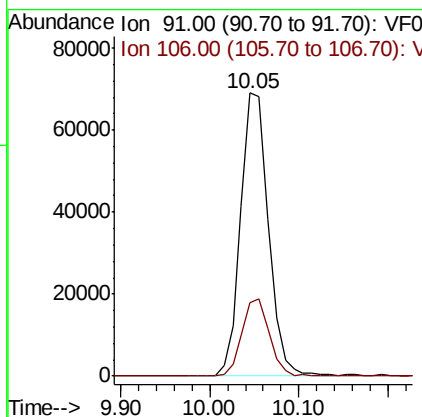
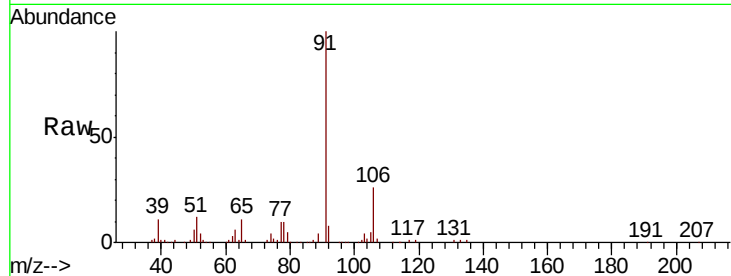
#67
Ethyl Benzene
Concen: 21.21 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	91	Resp	150497
Ion Ratio	100	Lower	Upper
91	100		
106	25.9	22.0	33.0

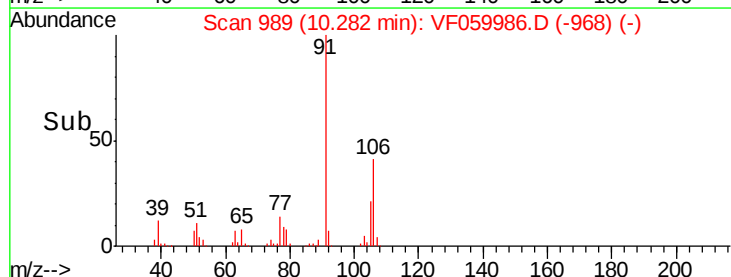
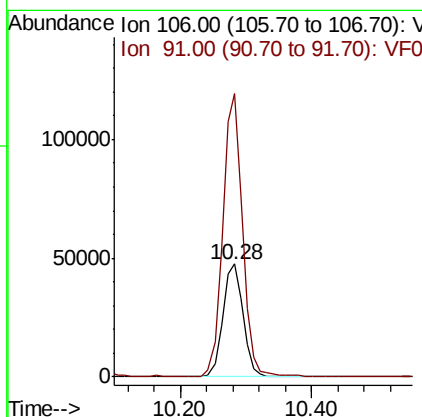
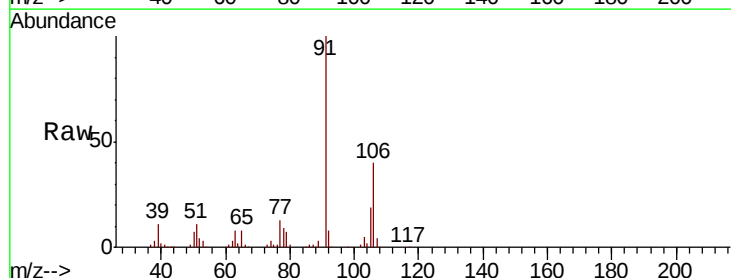
Manual Integrations
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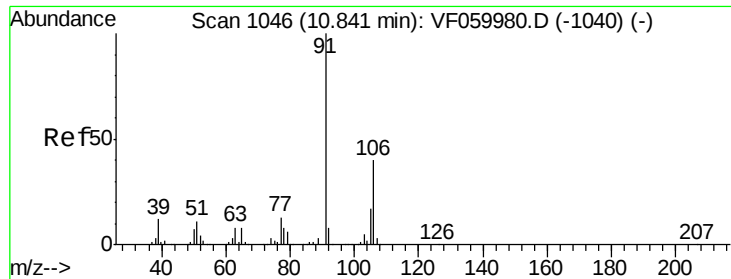
apatel
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#68
m/p-Xylenes
Concen: 41.75 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	106	Resp	102624
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
106	100		
91	250.5	203.5	305.3





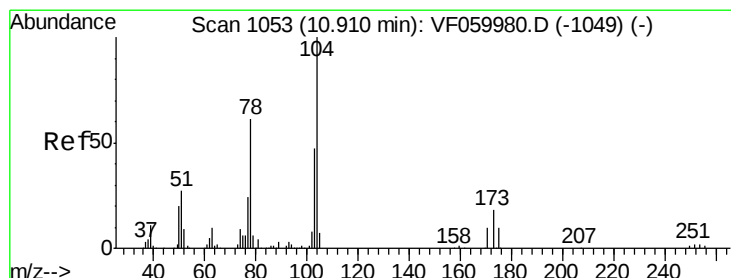
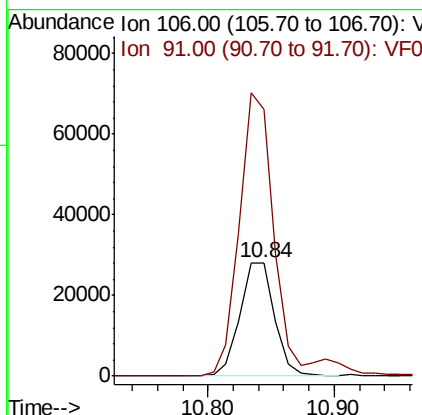
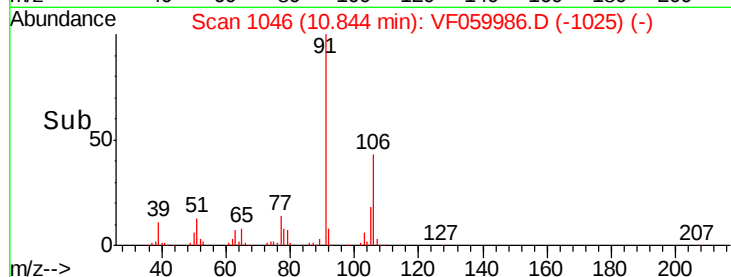
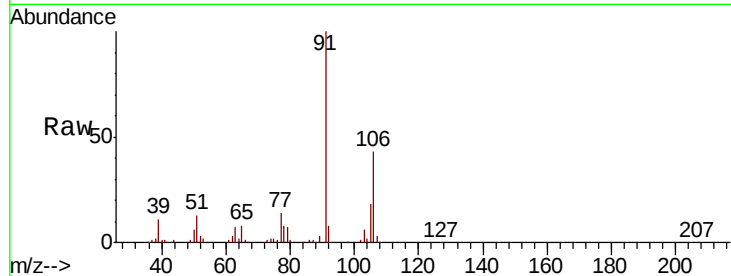
#69
o-Xylene
Concen: 21.40 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	234.9	125.4	376.2

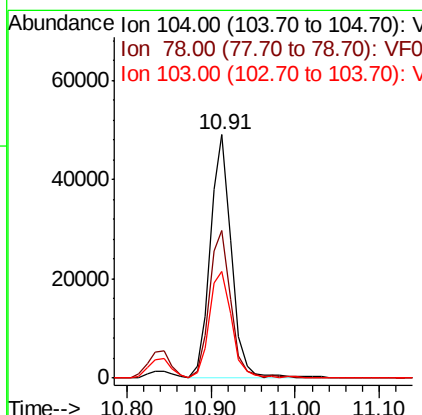
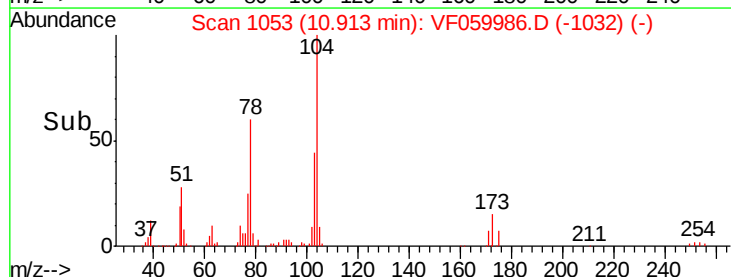
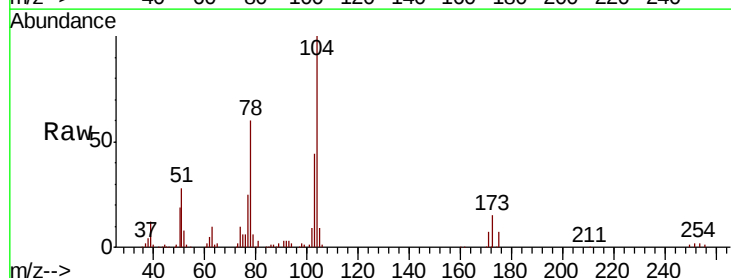
Manual Integrations
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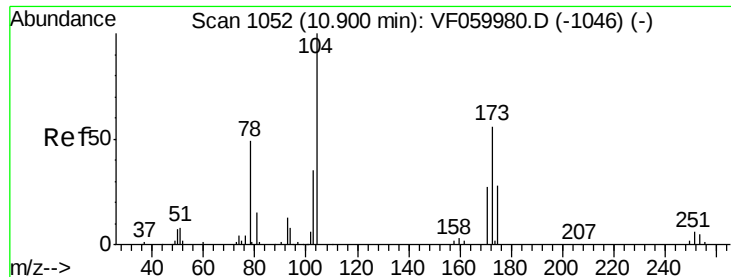
apatel
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#70
Styrene
Concen: 20.99 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	60.4	49.0	73.6
103	43.8	38.2	57.4





#71

Bromoform

Concen: 21.16 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

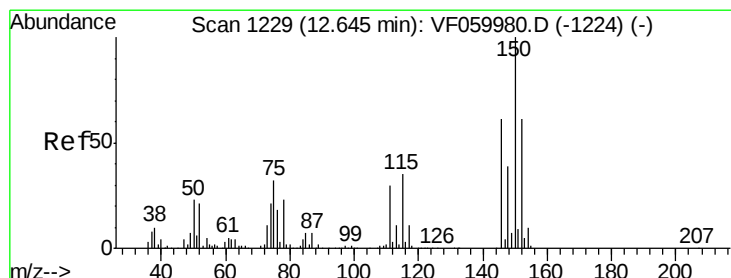
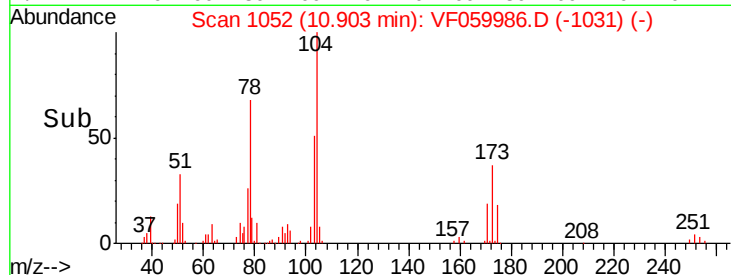
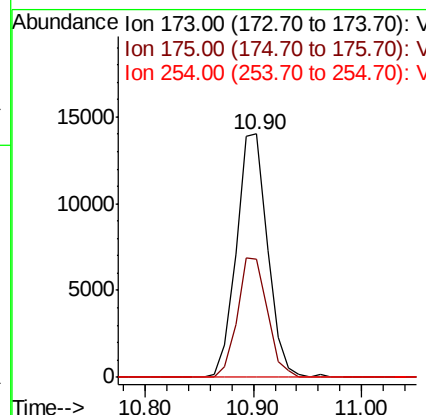
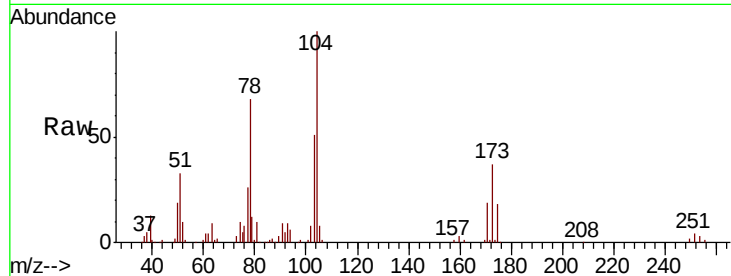
ClientSampleId :

VF0817SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.8	74.3
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

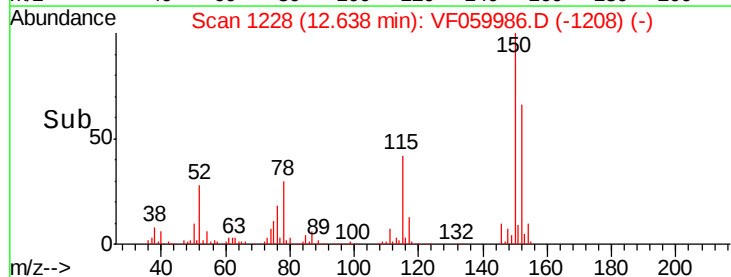
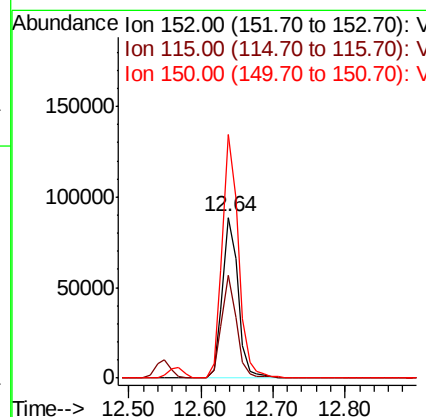
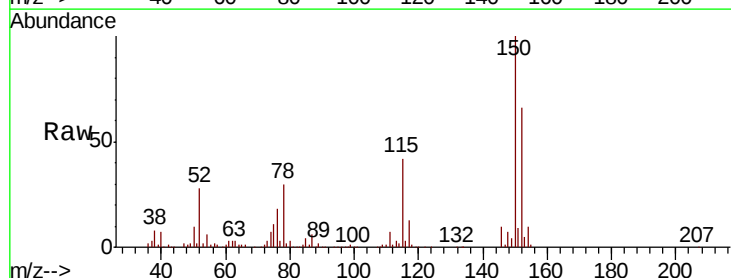
RT: 12.64 min Scan# 1228

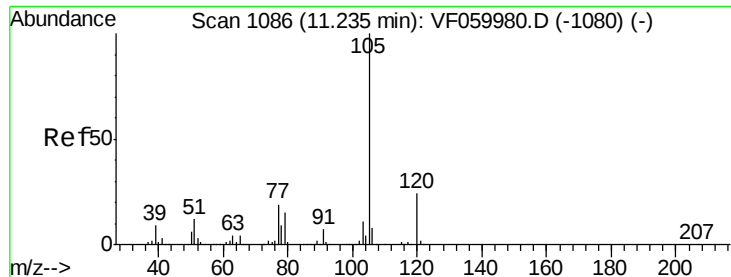
Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	29.1	87.3
150	151.2	0.0	330.2





#73

Isopropylbenzene

Concen: 21.58 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion:105 Resp: 172810

Ion Ratio Lower Upper

105 100

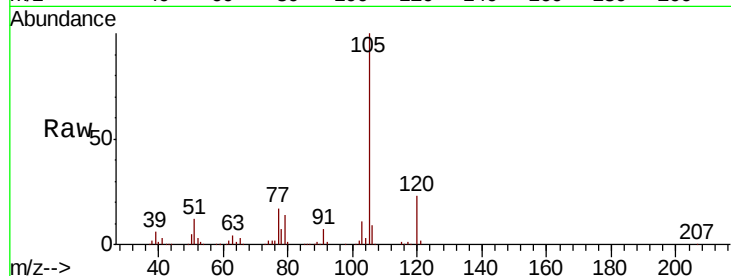
120 23.3 11.9 35.5

Manual Integrations

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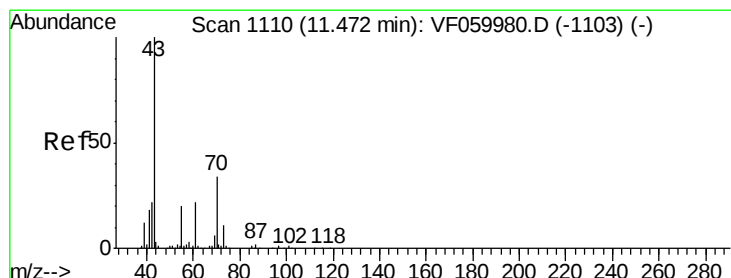
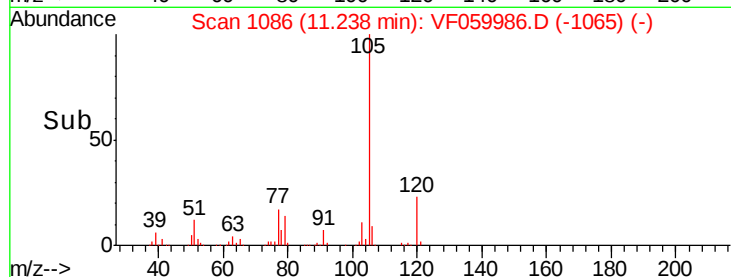
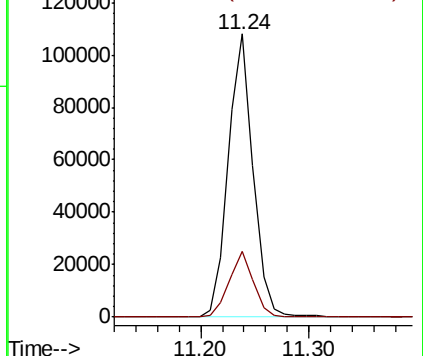
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.90 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion: 43 Resp: 49776

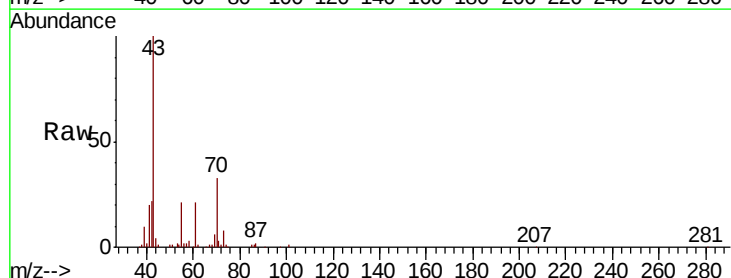
Ion Ratio Lower Upper

43 100

70 32.8 27.2 40.8

55 20.8 16.4 24.6

61 20.7 17.6 26.4

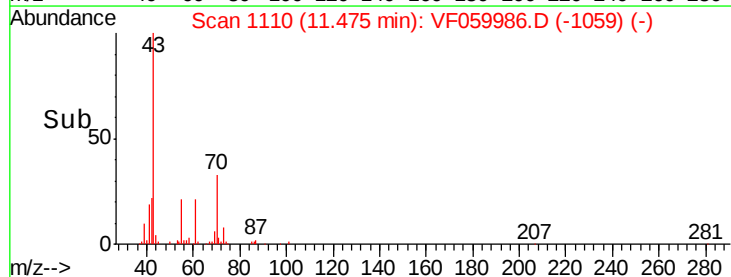
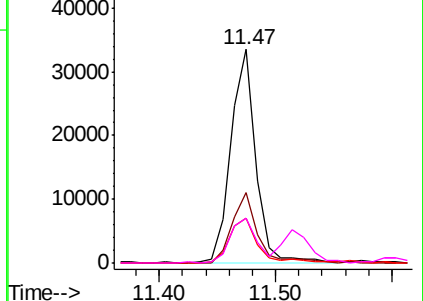


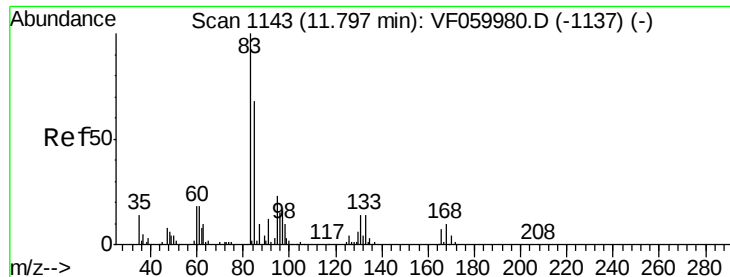
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 22.08 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

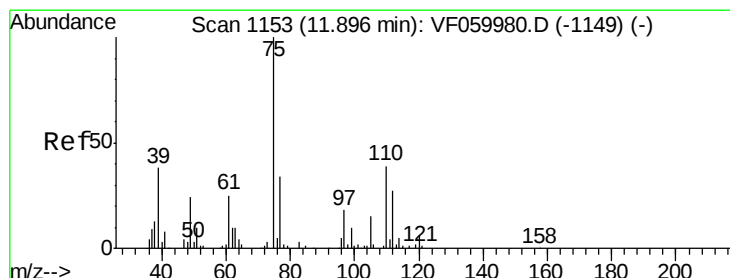
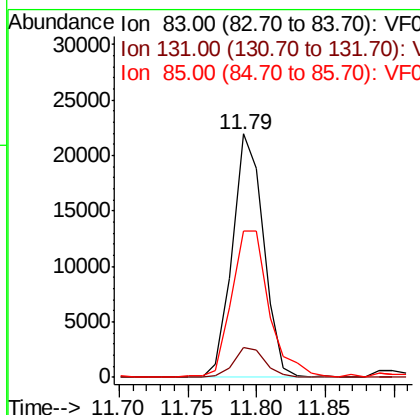
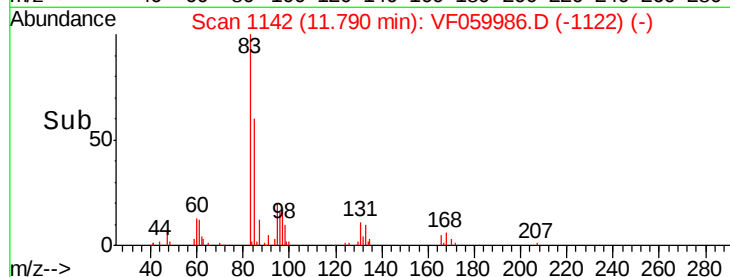
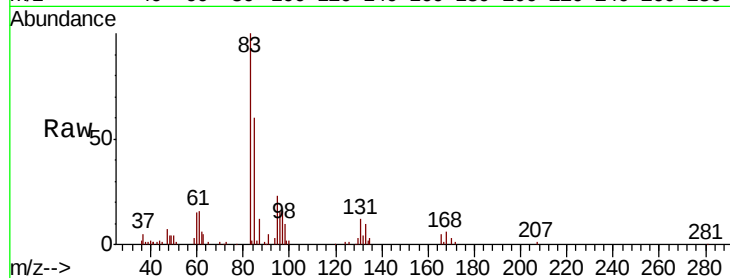
ClientSampleId :

VF0817SBS01

Tot Ion	83	Resp	34726
Ion Ratio	100	Lower	Upper
83	100		
131	12.4	7.2	21.6
85	59.9	34.1	102.2

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#76

1,2,3-Trichloropropane

Concen: 21.63 ug/l

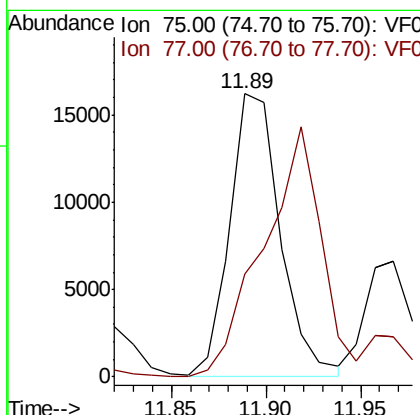
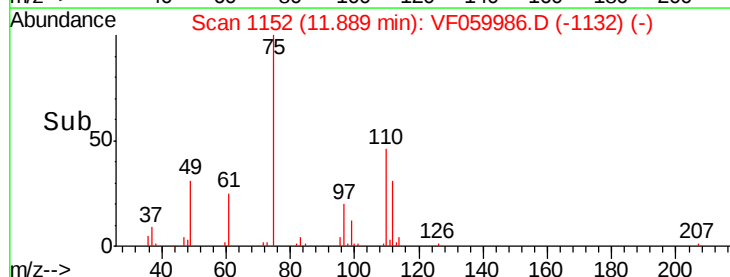
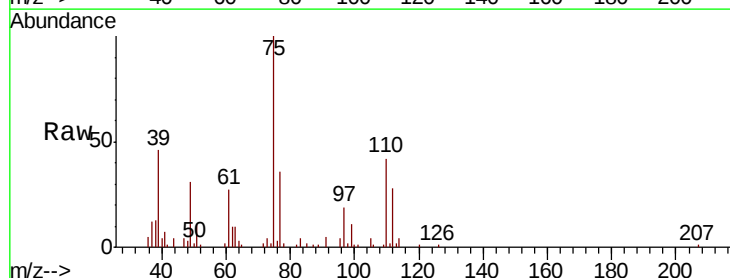
RT: 11.89 min Scan# 1152

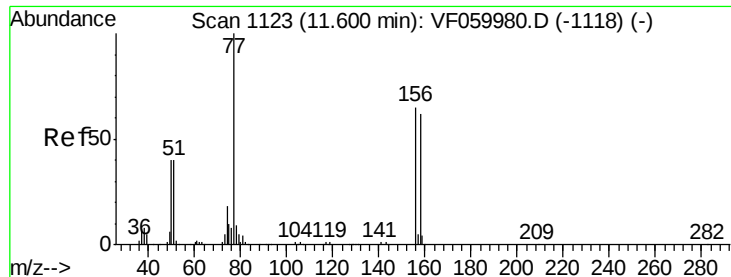
Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion	75	Resp	30127
Ion Ratio	100	Lower	Upper
75	100		
77	36.4	17.1	51.3





#77

Bromobenzene

Concen: 20.79 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

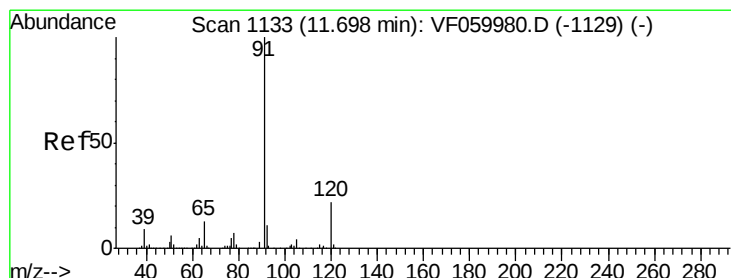
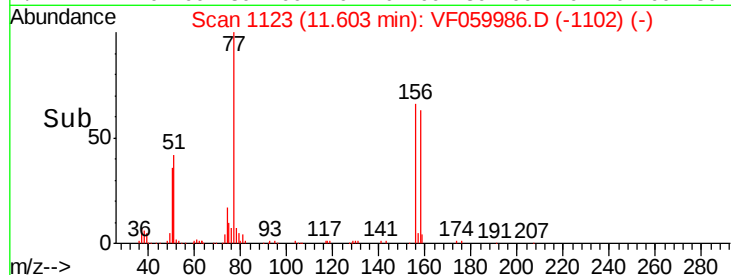
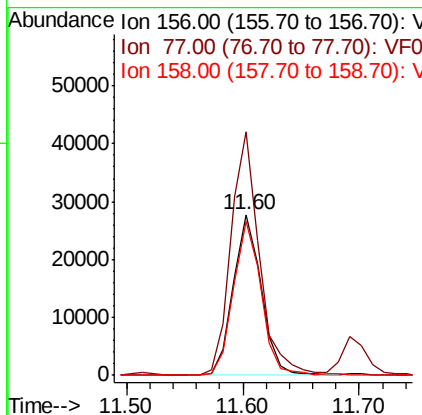
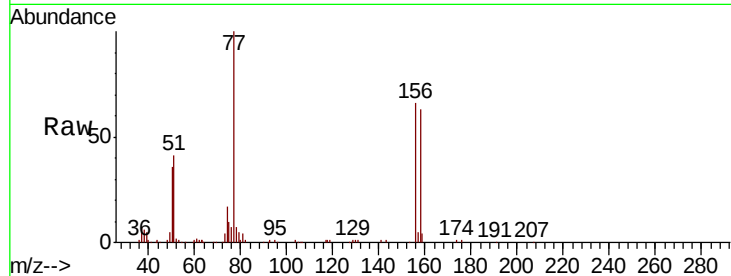
ClientSampleId :

VF0817SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	151.2	76.9	230.7	
158	95.5	47.7	143.1	

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#78

n-propylbenzene

Concen: 20.85 ug/l

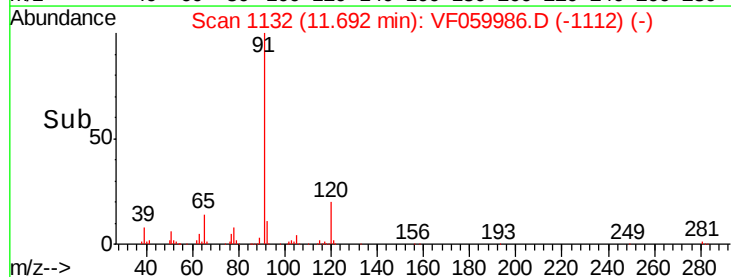
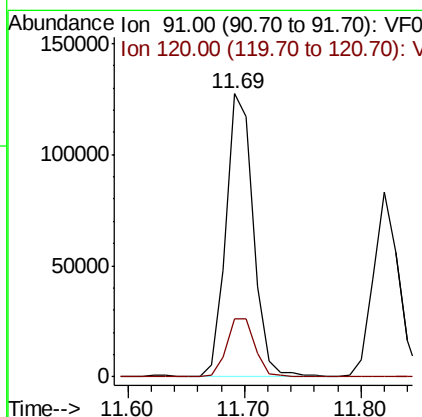
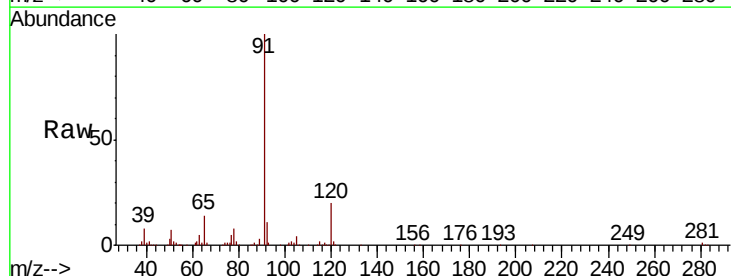
RT: 11.69 min Scan# 1132

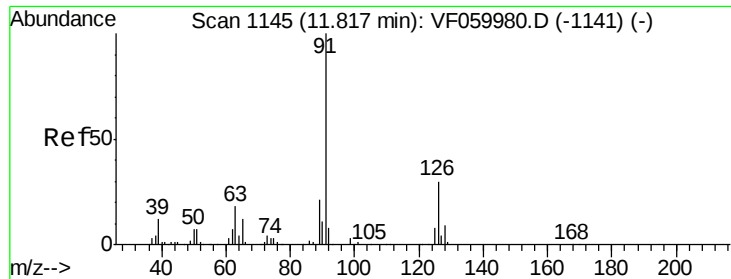
Delta R.T. -0.01 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.4	11.0	33.0	





#79

2-Chlorotoluene

Concen: 20.63 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0817SBS01

Tot Ion: 91 Resp: 124617

Ion Ratio Lower Upper

91 100

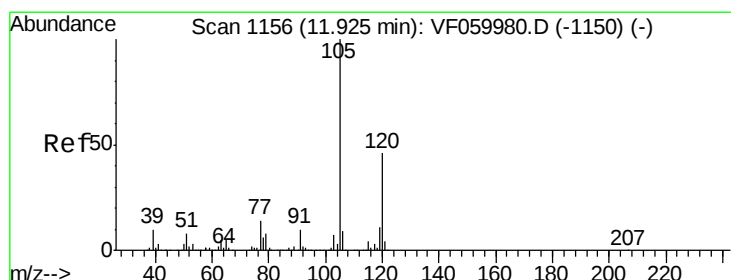
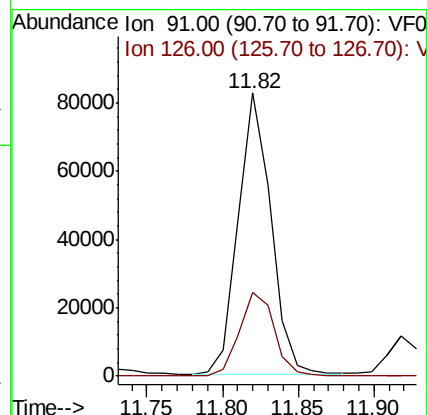
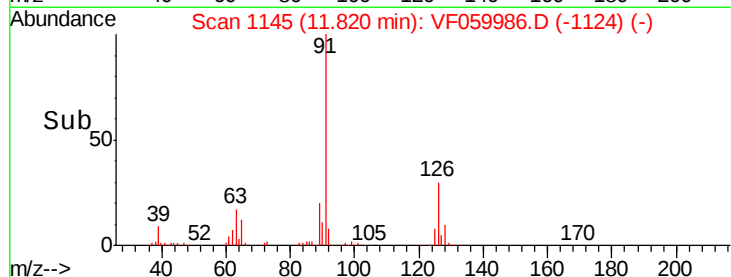
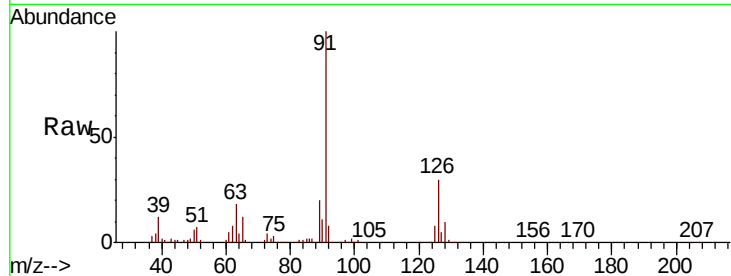
126 29.7 14.7 44.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.90 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059986.D

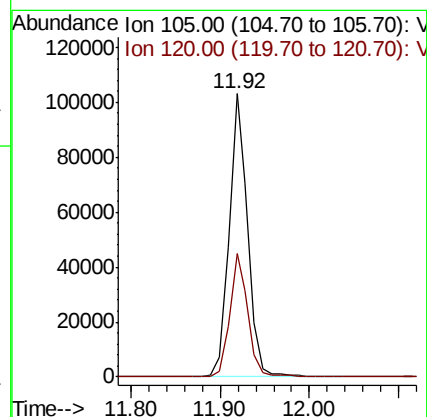
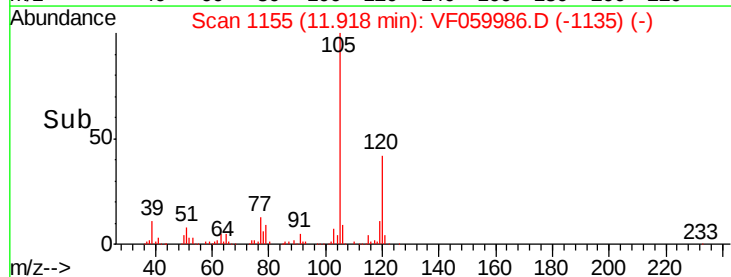
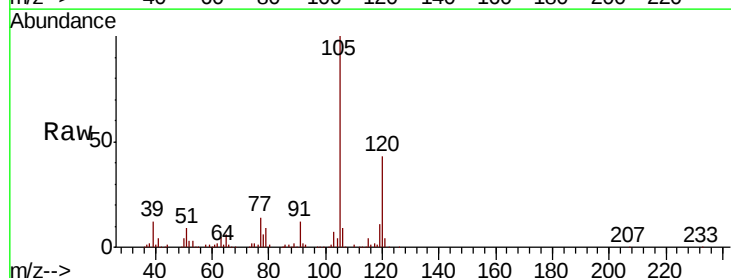
Acq: 17 Aug 2018 22:13

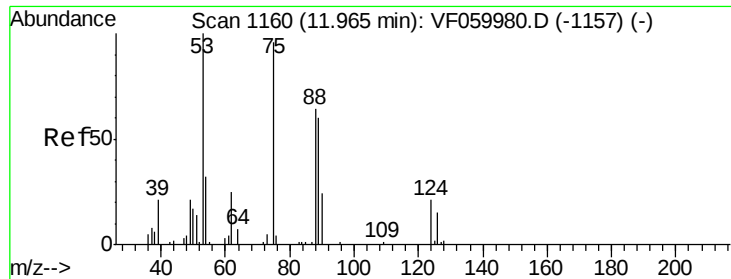
Tgt Ion:105 Resp: 151368

Ion Ratio Lower Upper

105 100

120 43.4 22.9 68.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.89 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

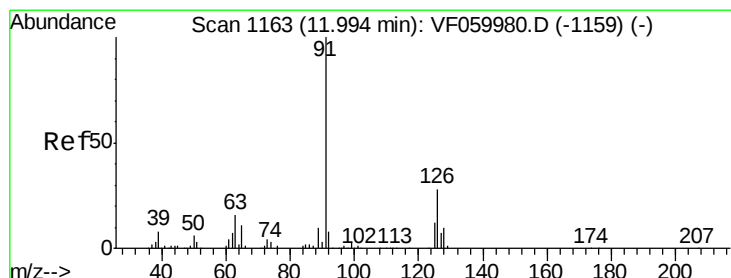
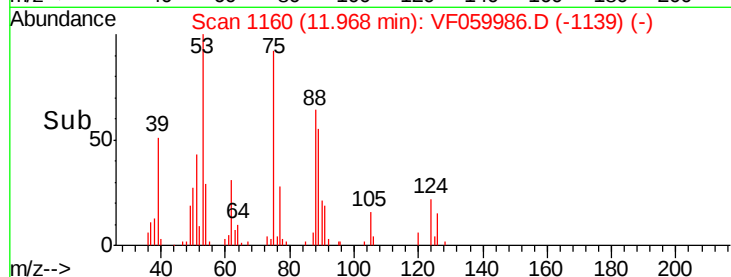
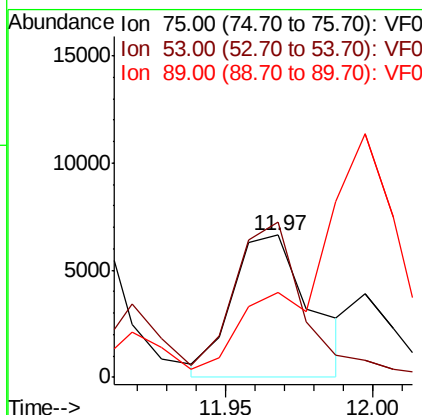
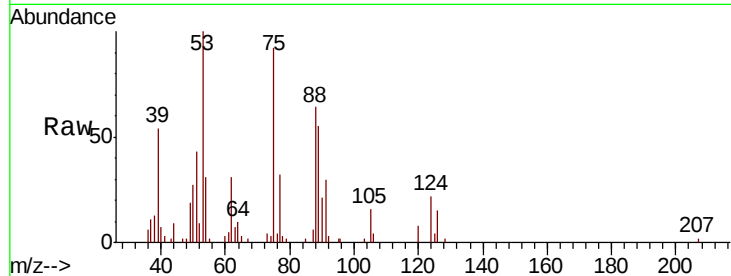
ClientSampleId :

VF0817SBS01

Tot Ion:	75	Resp:	12284
Ion	Ratio	Lower	Upper
75	100		
53	109.0	87.4	131.0
89	60.1	52.8	79.2

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#82

4-Chlorotoluene

Concen: 21.47 ug/l

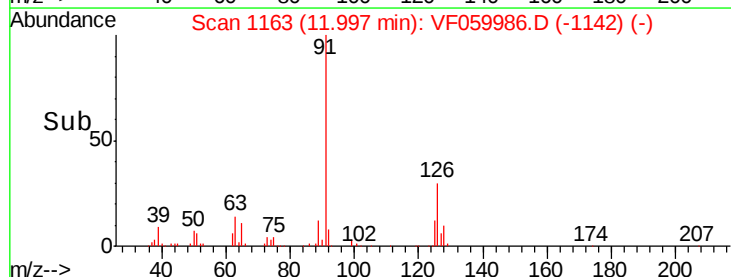
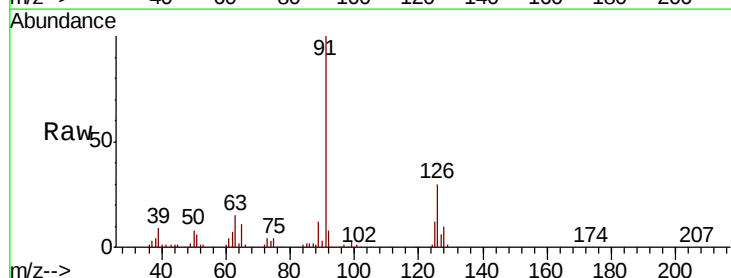
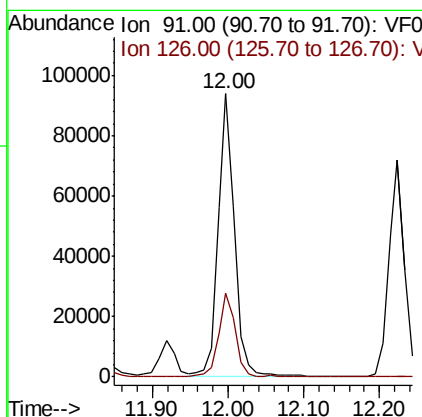
RT: 12.00 min Scan# 1163

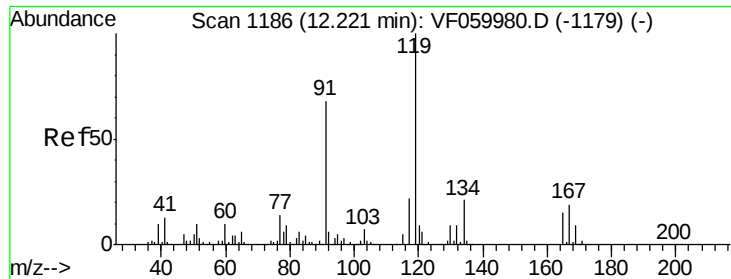
Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion:	91	Resp:	141937
Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.1	42.4





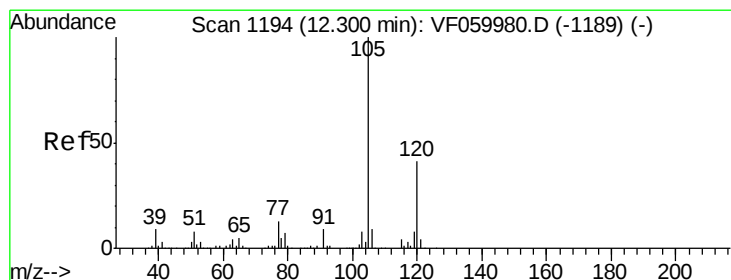
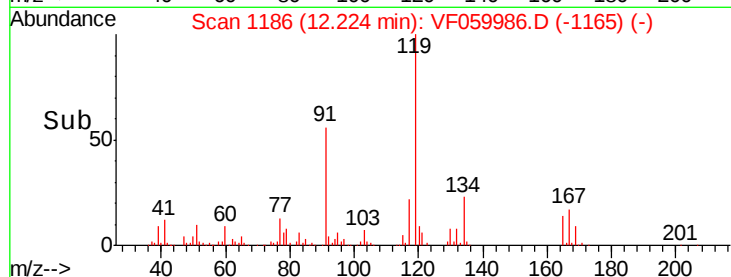
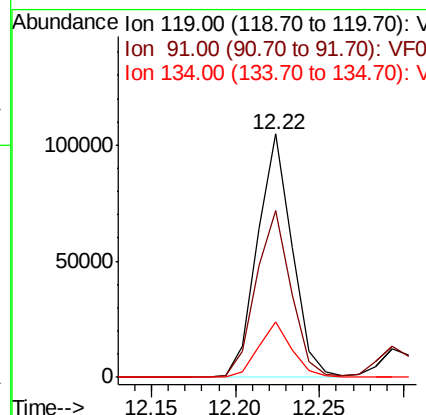
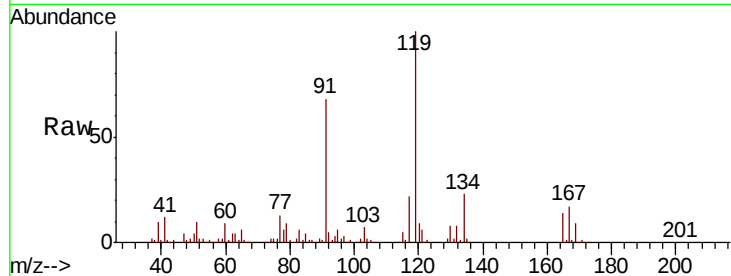
#83
tert-Butylbenzene
Concen: 21.04 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	149728		
91	68.5	34.1	102.2	
134	22.9	10.5	31.6	

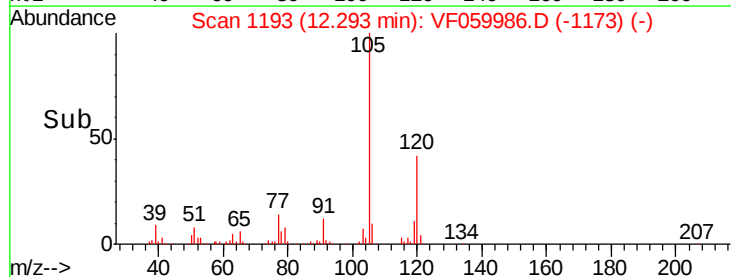
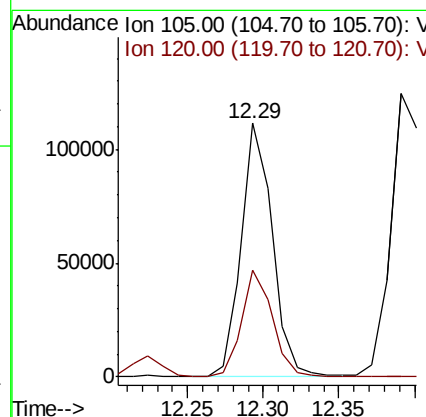
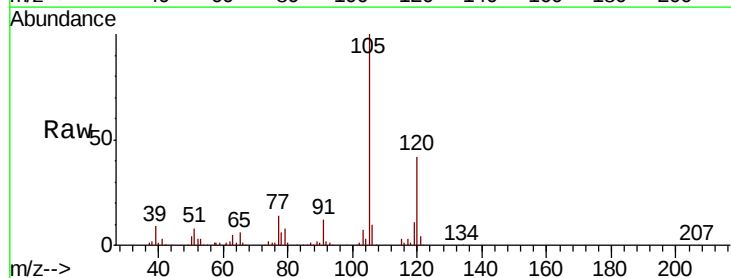
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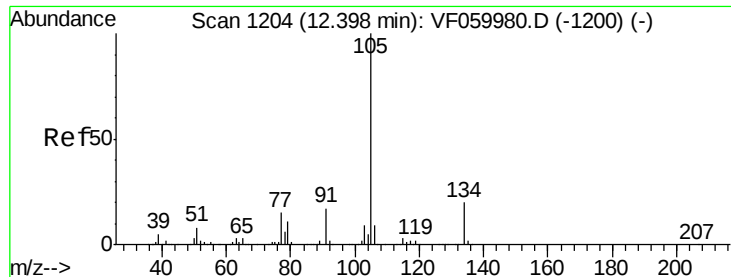
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#84
1,2,4-Trimethylbenzene
Concen: 21.01 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	160178		
120	42.4	20.9	62.7	





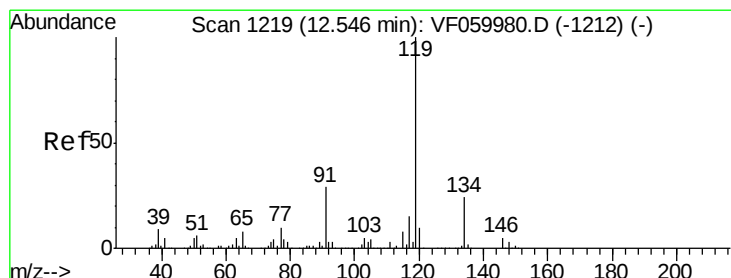
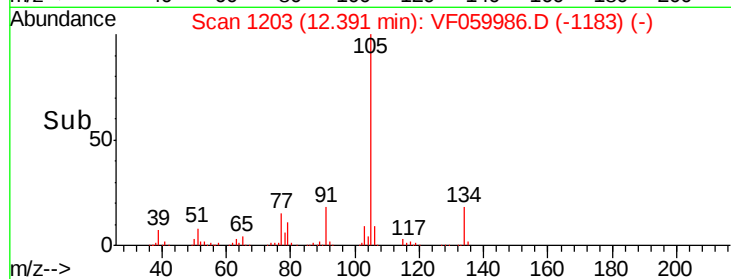
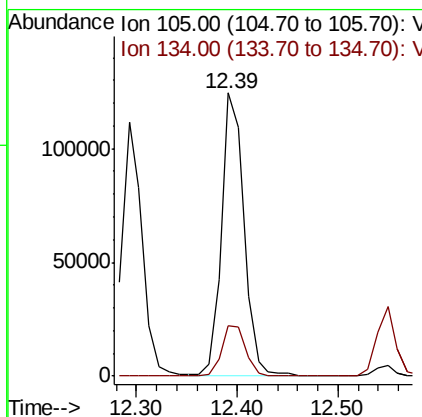
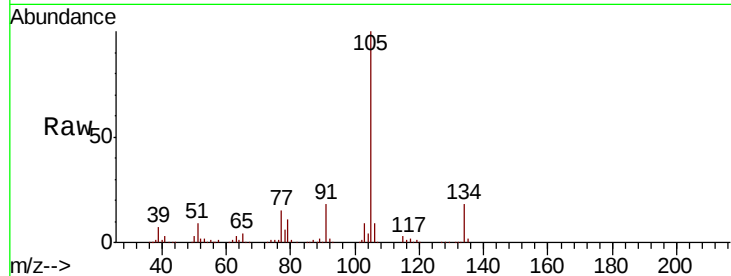
#85
 sec-Butylbenzene
 Concen: 20.64 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	194144		
134	17.7	9.8	29.5	

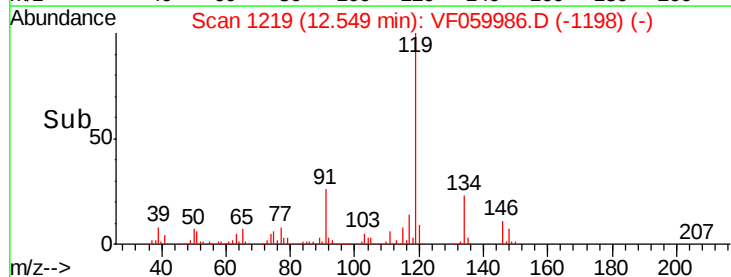
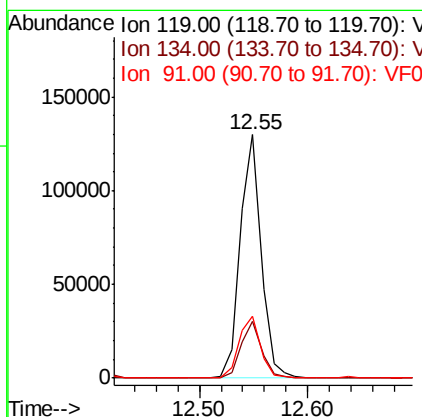
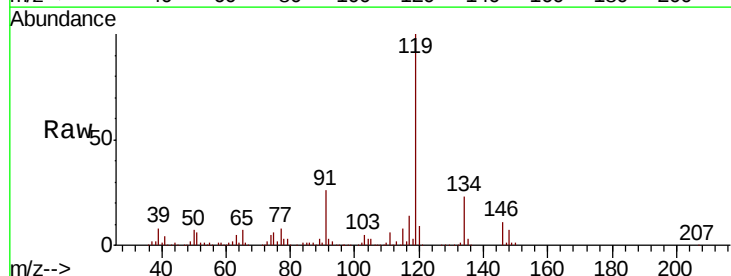
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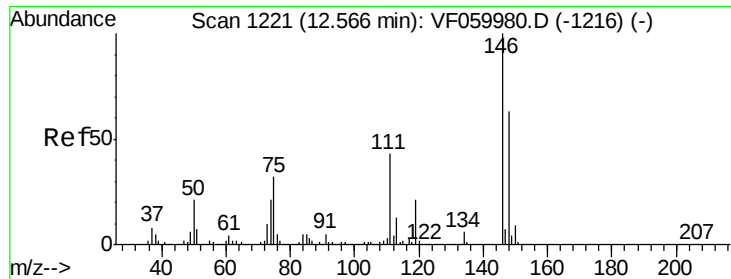
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#86
 p-Isopropyltoluene
 Concen: 21.11 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	175612		
134	23.4	12.1	36.3	
91	25.7	14.4	43.4	





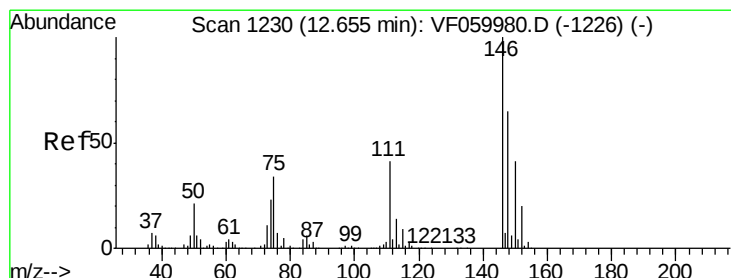
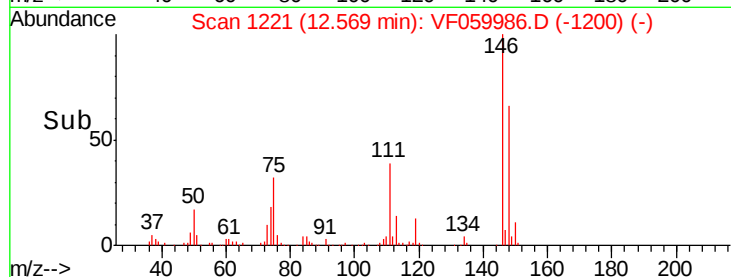
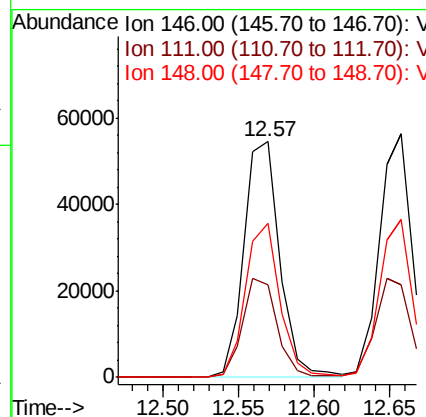
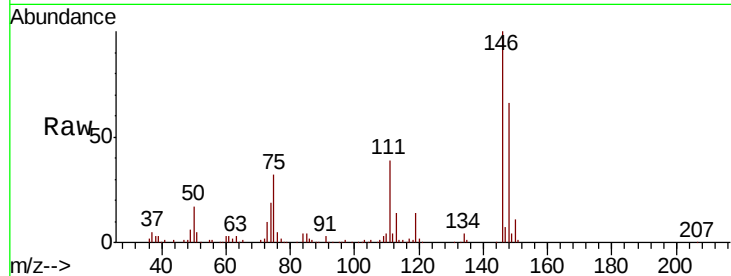
#87
 1,3-Dichlorobenzene
 Concen: 21.12 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.3	63.7
148	65.6	31.6	95.0

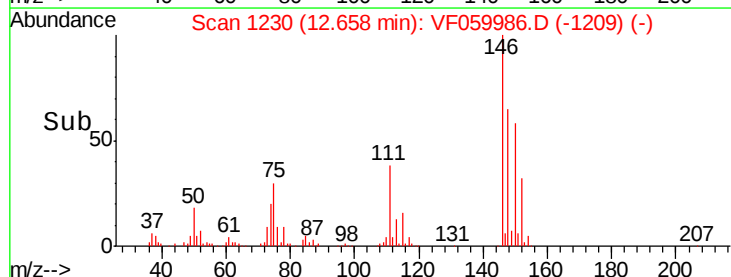
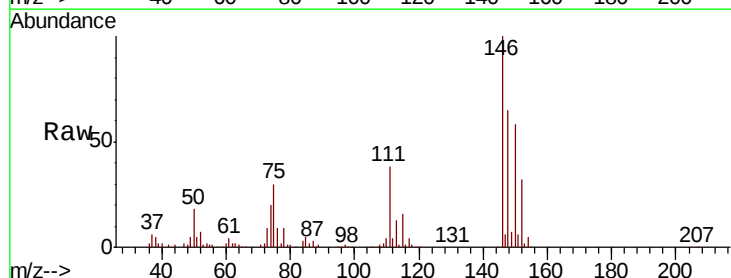
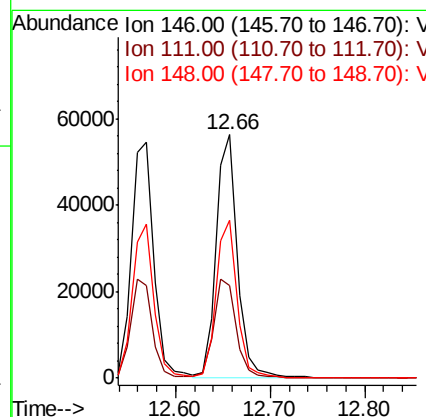
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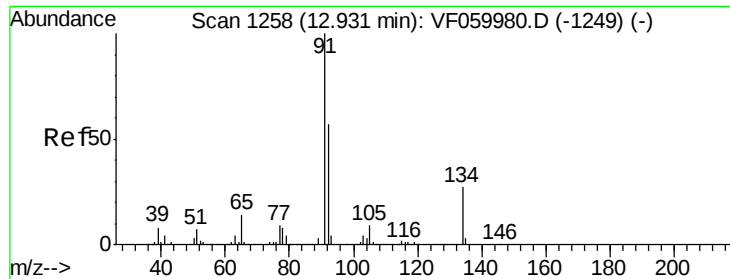
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#88
 1,4-Dichlorobenzene
 Concen: 21.20 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.3	61.0
148	65.0	32.6	97.8





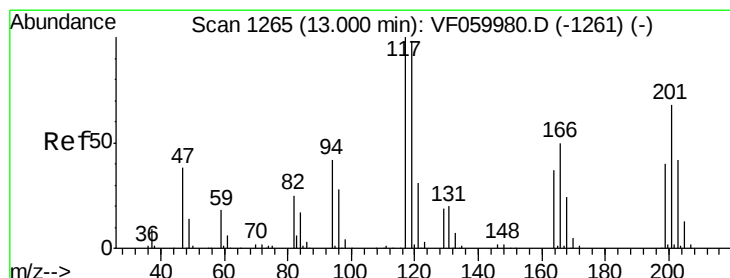
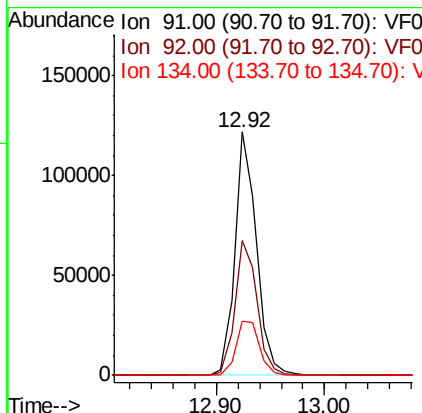
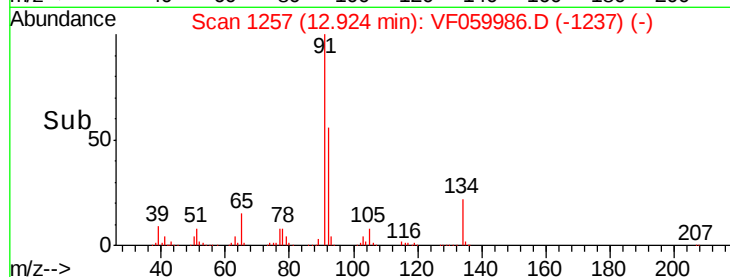
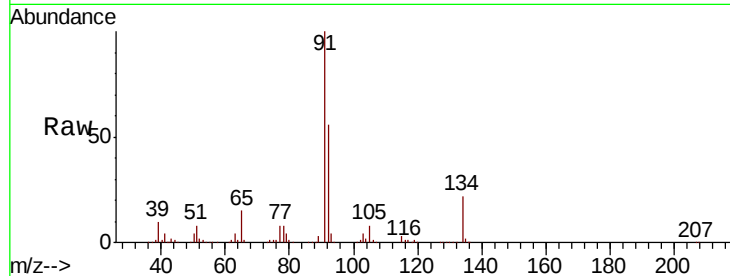
#89
n-Butylbenzene
Concen: 21.05 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	169155		
92	55.5	28.7	86.3	
134	22.4	13.3	39.9	

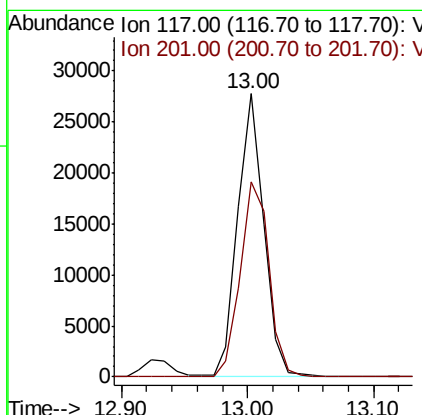
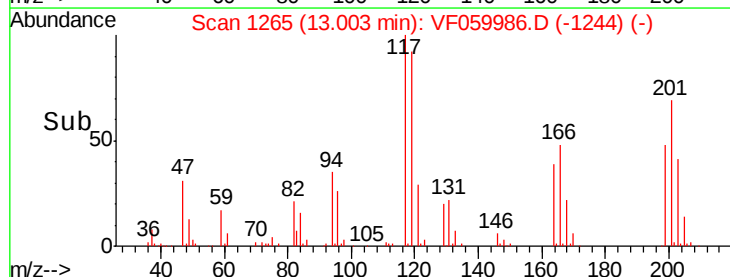
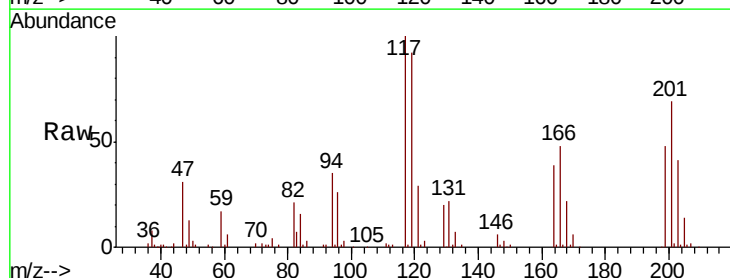
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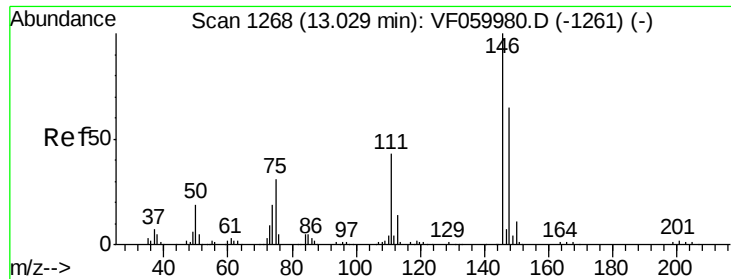
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#90
Hexachloroethane
Concen: 21.24 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39796		
201	68.7	34.5	103.5	





#91

1,2-Dichlorobenzene

Concen: 21.85 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_F

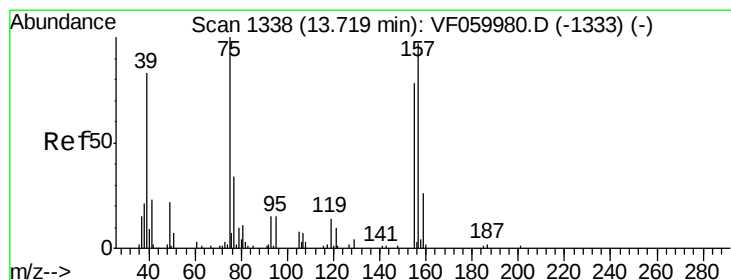
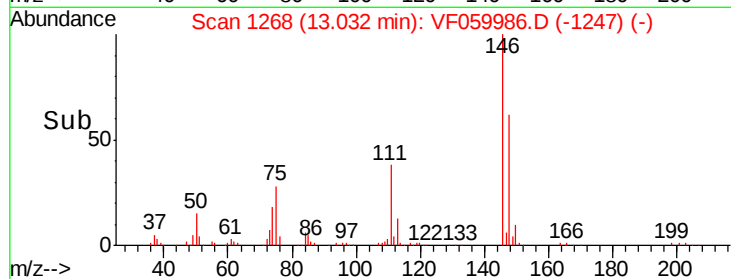
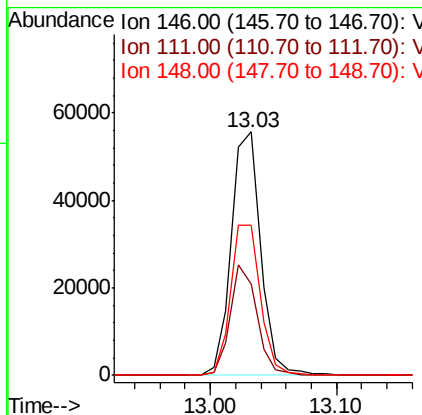
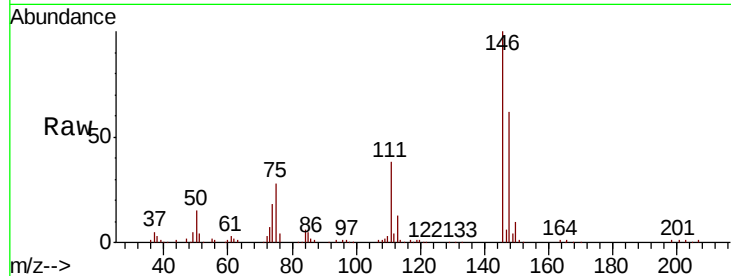
ClientSampleId :

VF0817SBS01

Tot Ion:	146	Resp:	89183
Ion Ratio	Lower	Upper	
146	100		
111	37.7	21.4	64.3
148	61.8	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.14 ug/l

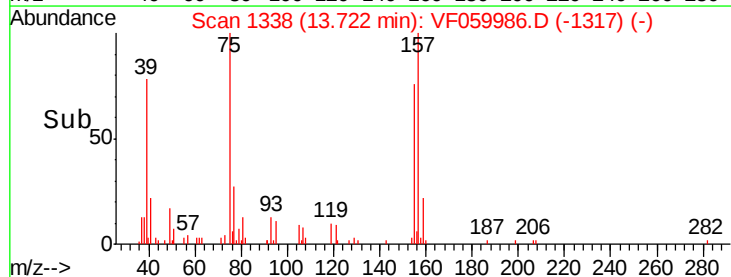
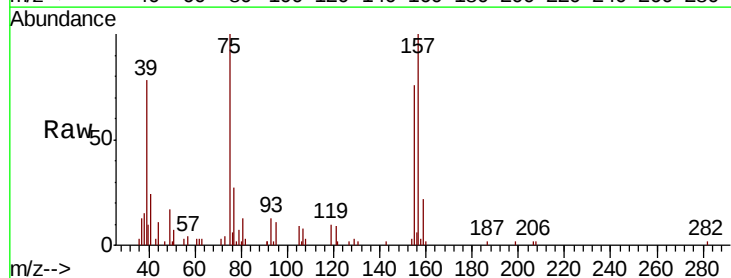
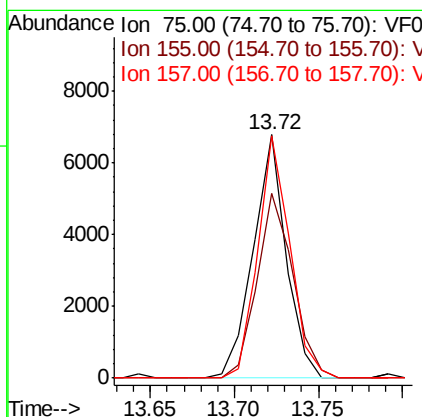
RT: 13.72 min Scan# 1338

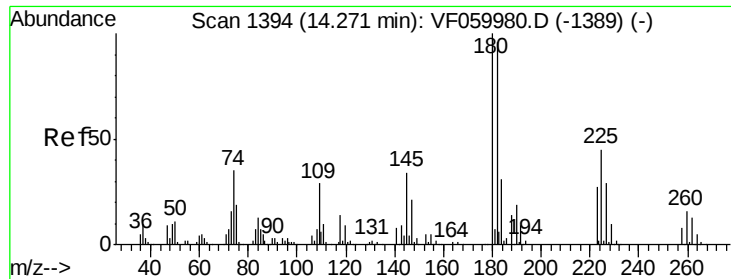
Delta R.T. 0.00 min

Lab File: VF059986.D

Acq: 17 Aug 2018 22:13

Tgt Ion:	75	Resp:	9194
Ion Ratio	Lower	Upper	
75	100		
155	76.1	38.9	116.7
157	99.8	50.8	152.5





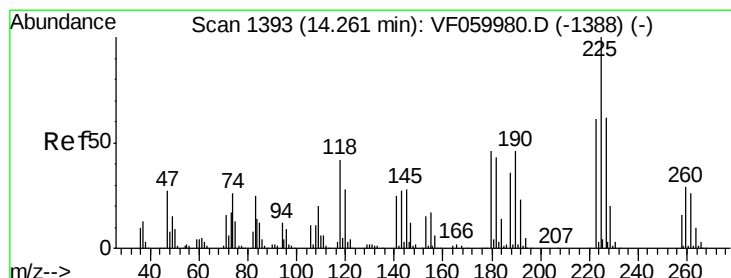
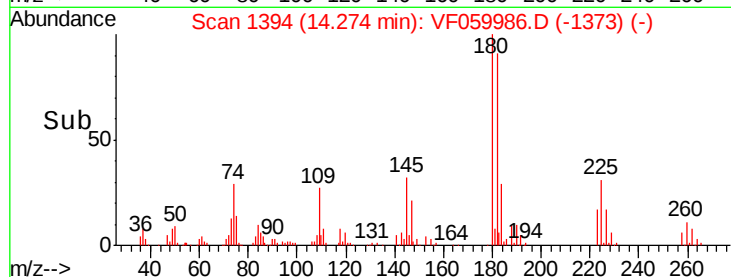
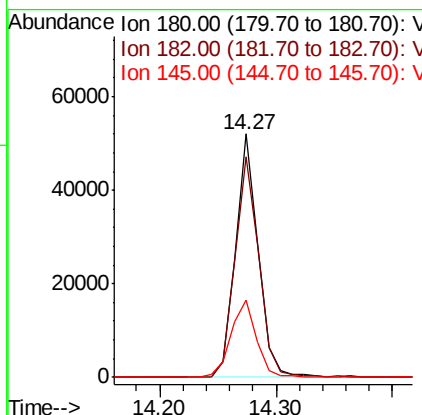
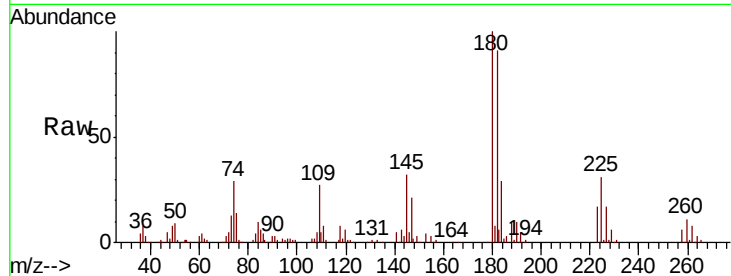
#93
 1,2,4-Trichlorobenzene
 Concen: 21.05 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	70088		
182	90.8		47.9	143.6
145	31.5		17.2	51.5

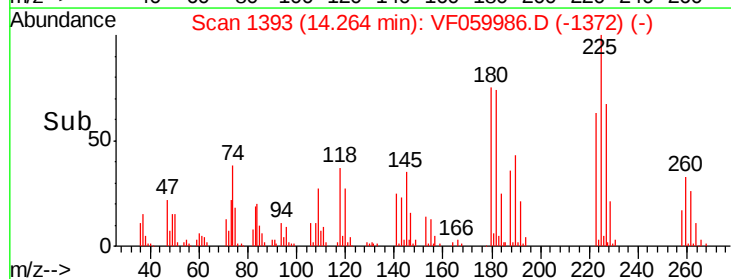
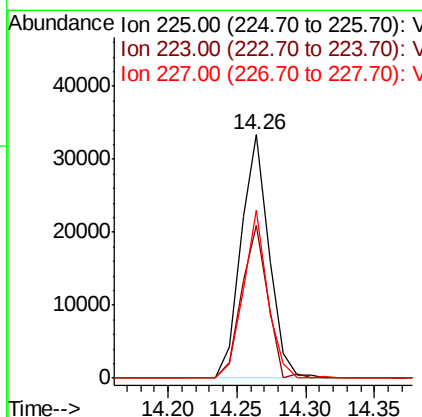
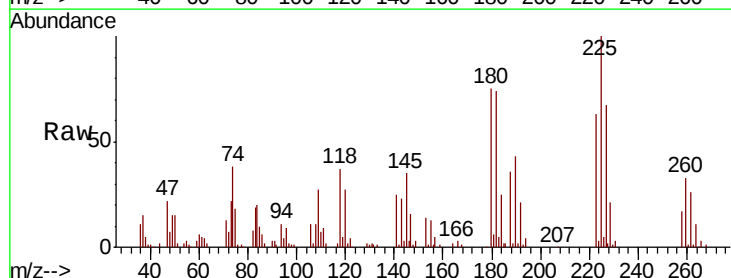
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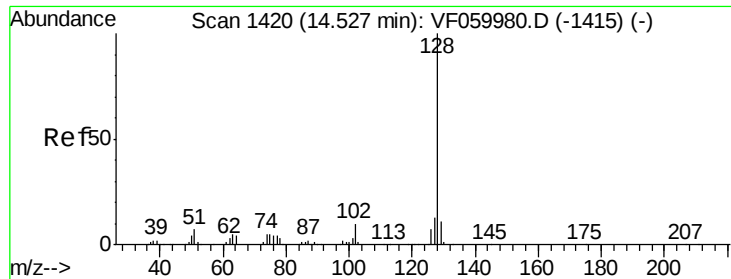
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#94
 Hexachlorobutadiene
 Concen: 21.18 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059986.D
 Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47241		
223	62.6		29.1	87.4
227	69.3		29.8	89.5





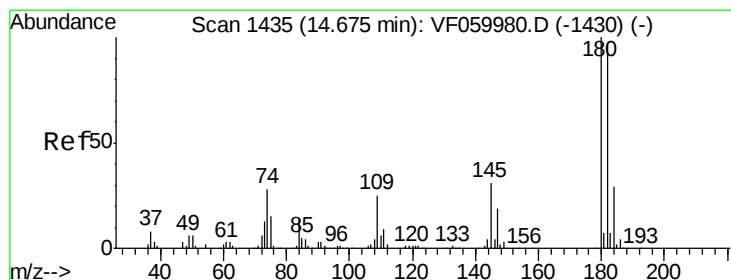
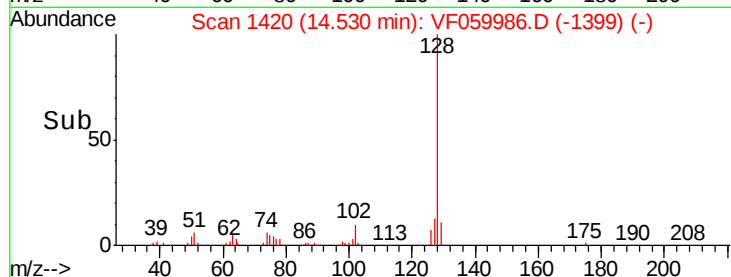
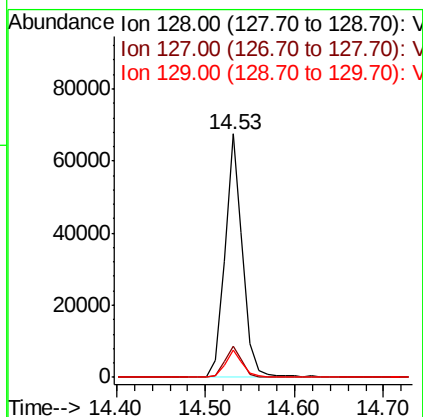
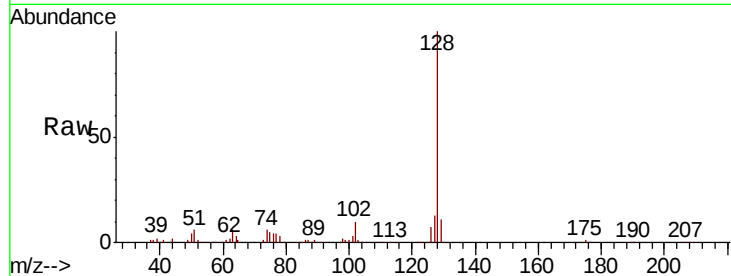
#95
Naphthalene
Concen: 20.15 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0817SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.3	9.0	13.4

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#96
1,2,3-Trichlorobenzene
Concen: 20.91 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059986.D
Acq: 17 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.5	145.5
145	30.2	15.7	47.1

