

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080618\
 Data File : VF059886.D
 Acq On : 6 Aug 2018 20:07
 Operator : VA/AP
 Sample : VF0806SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBSD01

Manual Integrations
 APPROVED

apatel
 8/7/2018 10:46:56 AM

Quant Time: Aug 07 04:01:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	182870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	261023	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	254898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	179042	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	177136	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	4.29	113	137660	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
50) Toluene-d8	7.71	98	303684	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
62) 4-Bromofluorobenzene	11.51	95	174842	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	68227	21.84	ug/l	99
3) Chloromethane	1.09	50	30204	20.90	ug/l	94
4) Vinyl Chloride	1.16	62	30931	20.89	ug/l	89
5) Bromomethane	1.33	94	28821	20.62	ug/l	98
6) Chloroethane	1.42	64	21825	23.47	ug/l	93
7) Trichlorofluoromethane	1.53	101	66592m	16.43	ug/l	
8) Diethyl Ether	1.71	74	13164	20.47	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44723	20.00	ug/l	93
10) Methyl Iodide	1.92	142	75248	21.90	ug/l	96
11) Tert butyl alcohol	2.69	59	16545	124.41	ug/l #	93
12) 1,1-Dichloroethene	1.85	96	32142	19.68	ug/l	98
13) Acrolein	2.09	56	8796	110.37	ug/l	96
14) Allyl chloride	2.19	41	57193	21.00	ug/l	95
15) Acrylonitrile	3.08	53	22256	91.33	ug/l #	85
16) Acetone	2.34	43	68274	112.18	ug/l	94
17) Carbon Disulfide	1.84	76	96531	22.14	ug/l #	91
18) Methyl Acetate	2.46	43	17639	17.18	ug/l #	91
19) Methyl tert-butyl Ether	2.55	73	99102	21.43	ug/l #	91
20) Methylene Chloride	2.28	84	49469	30.31	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	33725	20.78	ug/l	97
22) Diisopropyl ether	2.93	45	111668	21.31	ug/l #	88
23) Vinyl Acetate	3.33	43	284841	112.30	ug/l	98
24) 1,1-Dichloroethane	3.00	63	78746	20.64	ug/l	98
25) 2-Butanone	4.51	43	72515	109.57	ug/l	100
26) 2,2-Dichloropropane	3.76	77	57074	25.70	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	37343	20.47	ug/l	98
28) Bromochloromethane	3.88	49	28254	20.97	ug/l #	79
29) Tetrahydrofuran	4.27	42	25956	106.54	ug/l	99
30) Chloroform	4.03	83	108541	21.03	ug/l	95
31) Cyclohexane	3.86	56	39540	20.94	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	93996	22.76	ug/l	96
36) 1,1-Dichloropropene	4.46	75	65120	21.57	ug/l	98
37) Ethyl Acetate	4.29	43	30163	23.27	ug/l	91
38) Carbon Tetrachloride	4.17	117	107672	24.91	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	47254	20.87	ug/l	95
40) Benzene	4.81	78	109805	19.32	ug/l	98
41) Methacrylonitrile	4.92	41	14839	21.69	ug/l	90
42) 1,2-Dichloroethane	5.12	62	87999	21.05	ug/l	96
43) Isopropyl Acetate	7.11	43	29850	22.36	ug/l #	85
44) Trichloroethene	5.67	130	43511	21.64	ug/l	94
45) 1,2-Dichloropropane	6.40	63	28747	20.75	ug/l #	87
46) Dibromomethane	6.26	93	29077	20.80	ug/l	88
47) Bromodichloromethane	6.55	83	81761	21.38	ug/l	92
48) Methyl methacrylate	6.87	41	21449	20.65	ug/l	94
49) 1,4-Dioxane	6.96	88	119	95.10	ug/l	86
51) 4-Methyl-2-Pentanone	8.40	43	144127	105.60	ug/l	99
52) Toluene	7.78	92	82677	21.68	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	65263	22.44	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	66226	22.06	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	28296	20.61	ug/l #	88
56) Ethyl methacrylate	8.77	69	27746	20.55	ug/l	95
57) 1,3-Dichloropropane	9.00	76	48193	20.45	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.78	63	20657	113.75	ug/l	100
59) 2-Hexanone	9.63	43	108398	112.43	ug/l	98
60) Dibromochloromethane	8.86	129	53238	20.67	ug/l	92
61) 1,2-Dibromoethane	9.13	107	34414	20.58	ug/l	92
64) Tetrachloroethene	8.30	164	43316	19.70	ug/l	96
65) Chlorobenzene	9.94	112	109155	21.10	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	57516	22.35	ug/l	97
67) Ethyl Benzene	10.04	91	205507	22.80	ug/l	99
68) m/p-Xylenes	10.26	106	141633	45.46	ug/l	98
69) o-Xylene	10.83	106	79115	23.97	ug/l	99
70) Styrene	10.90	104	109810	22.29	ug/l	99
71) Bromoform	10.89	173	34166	21.66	ug/l #	95
73) Isopropylbenzene	11.23	105	248859	22.32	ug/l	99
74) N-amyl acetate	11.47	43	54168	21.43	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	41291	19.72	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	35245	19.60	ug/l	94
77) Bromobenzene	11.59	156	63238	20.85	ug/l	98
78) n-propylbenzene	11.68	91	294766	22.38	ug/l	97
79) 2-Chlorotoluene	11.81	91	182598	21.92	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	233264	22.53	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	20090	31.10	ug/l #	82
82) 4-Chlorotoluene	11.99	91	201194	22.24	ug/l	96
83) tert-Butylbenzene	12.22	119	228992	22.72	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	234123	21.98	ug/l	100
85) sec-Butylbenzene	12.38	105	290570	21.70	ug/l	99
86) p-Isopropyltoluene	12.54	119	261983	23.27	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	120551	20.98	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	118690	21.04	ug/l	96
89) n-Butylbenzene	12.92	91	261469	24.37	ug/l	97
90) Hexachloroethane	12.99	117	66743	21.49	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	121766	22.02	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9887	18.73	ug/l	72

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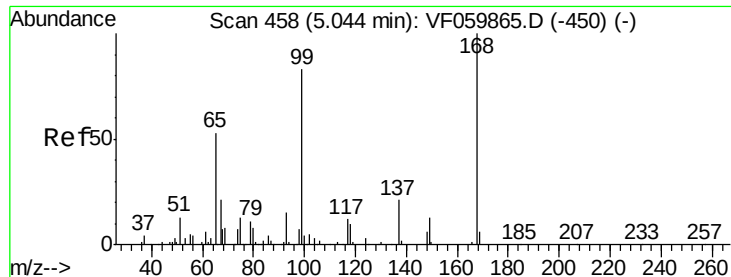
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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	97181	23.15	ug/l	93
94) Hexachlorobutadiene	14.26	225	67904	22.90	ug/l	98
95) Naphthalene	14.52	128	155531	21.40	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	94784	22.86	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBSD01

Tot Ion:168 Resp: 182870

Ion Ratio Lower Upper

168 100

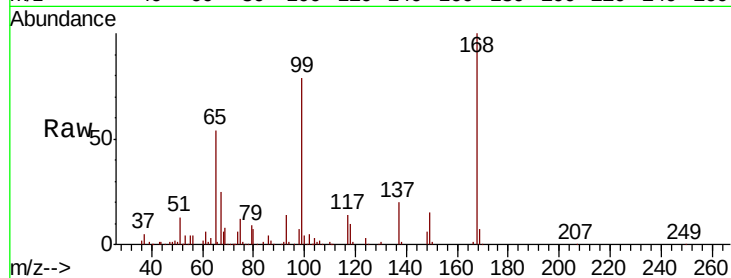
99 78.9 66.3 99.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

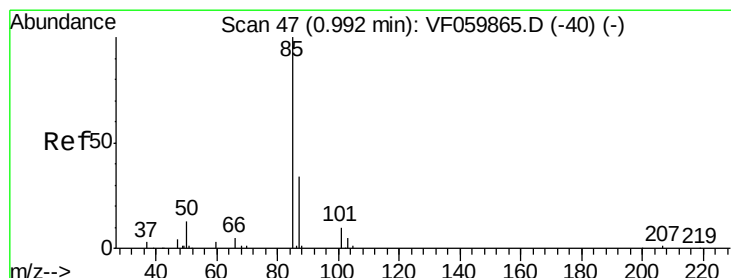
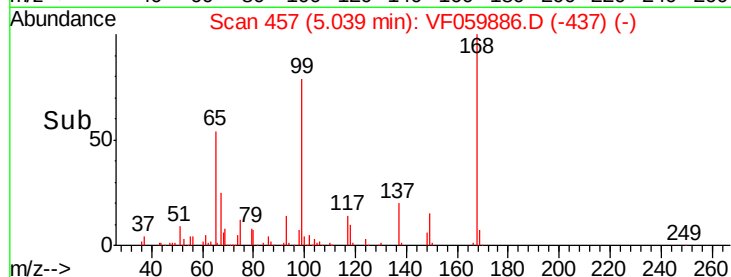
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.84 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059886.D

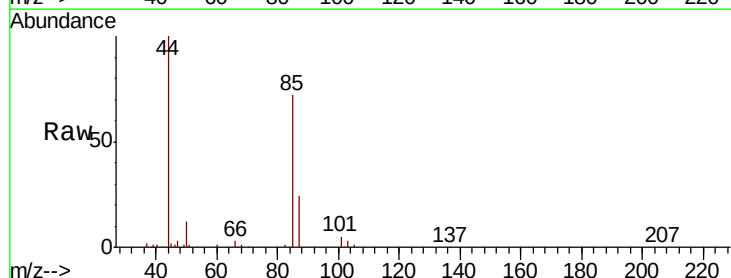
Acq: 6 Aug 2018 20:07

Tgt Ion: 85 Resp: 68227

Ion Ratio Lower Upper

85 100

87 33.2 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

25000

20000

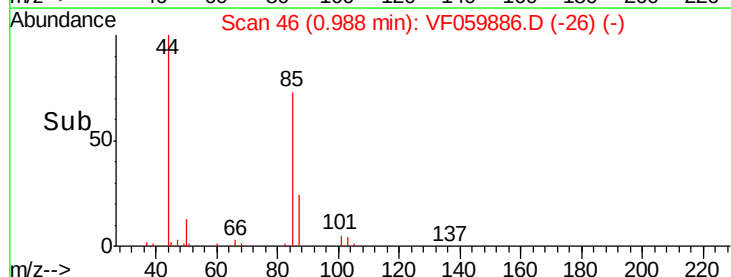
15000

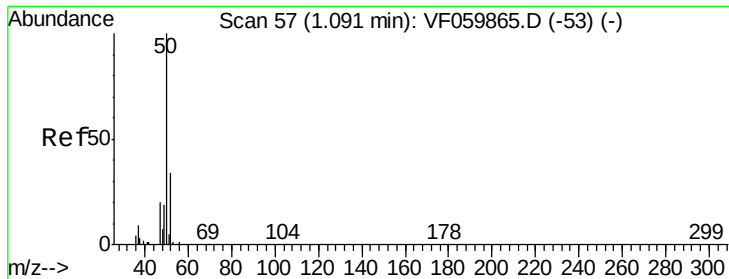
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.90 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

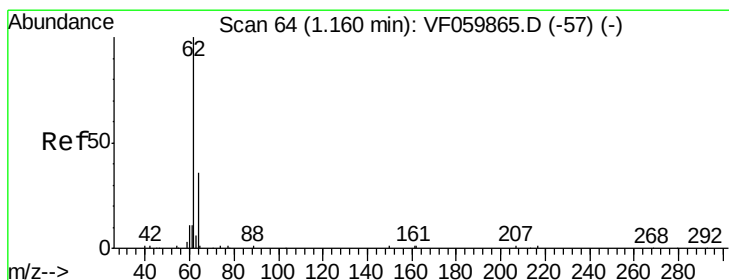
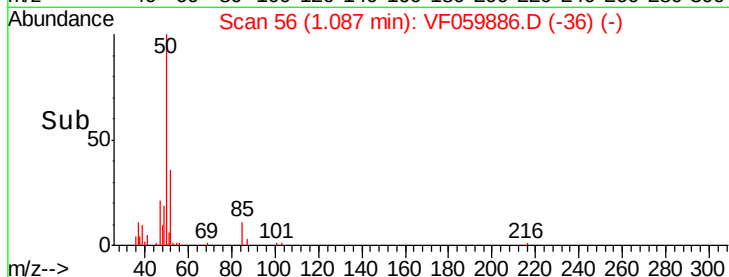
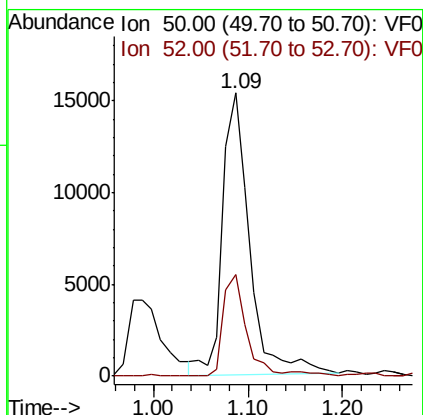
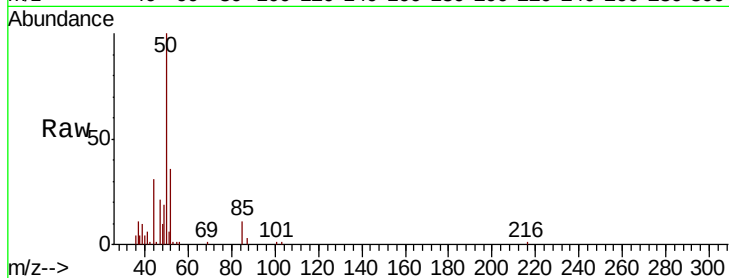
ClientSampleId :

VF0806SBSD01

Tot Ion	50	Resp	30204
Ion Ratio	100	Lower	Upper
50	100		
52	35.9	25.8	38.8

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#4

Vinyl Chloride

Concen: 20.89 ug/l

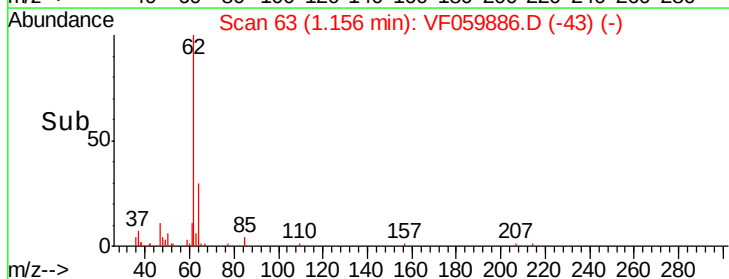
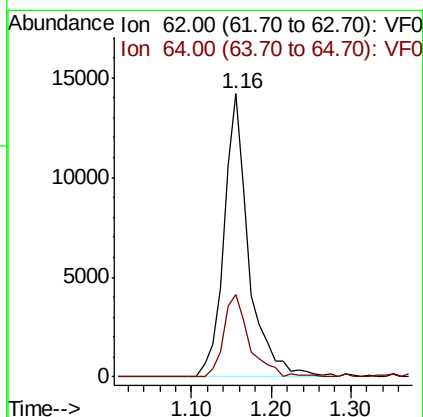
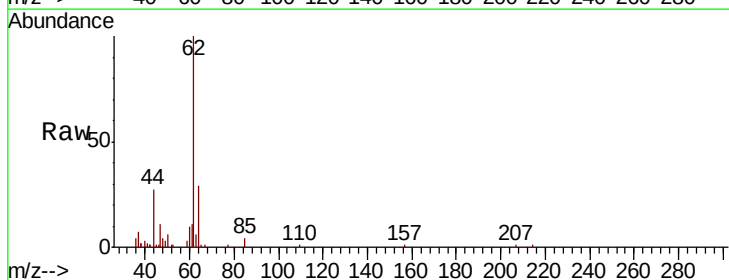
RT: 1.16 min Scan# 63

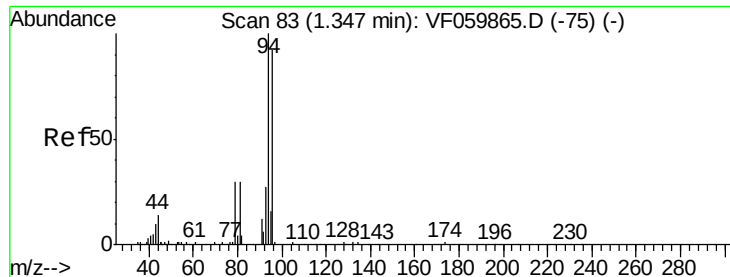
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion	62	Resp	30931
Ion Ratio	100	Lower	Upper
62	100		
64	29.3	28.5	42.7





#5

Bromomethane

Concen: 20.62 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBSD01

Tot Ion: 94 Resp: 28821

Ion Ratio Lower Upper

94 100

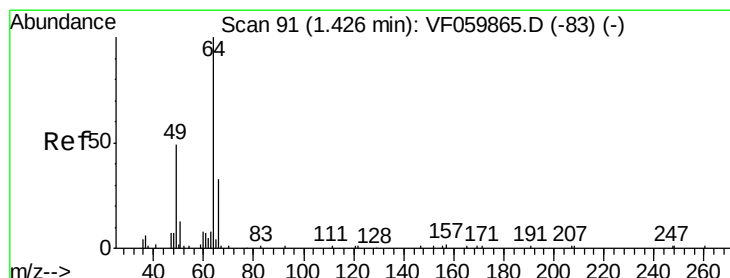
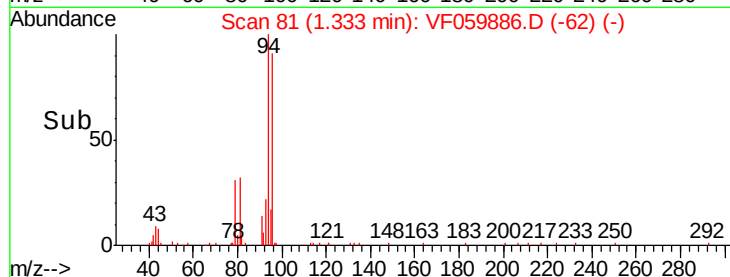
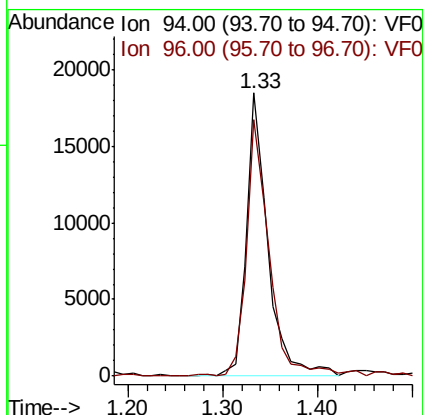
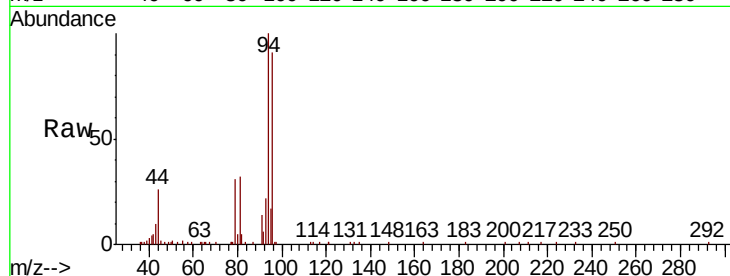
96 90.6 73.8 110.8

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#6

Chloroethane

Concen: 23.47 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059886.D

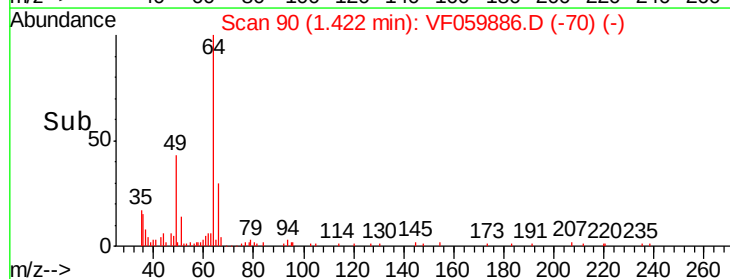
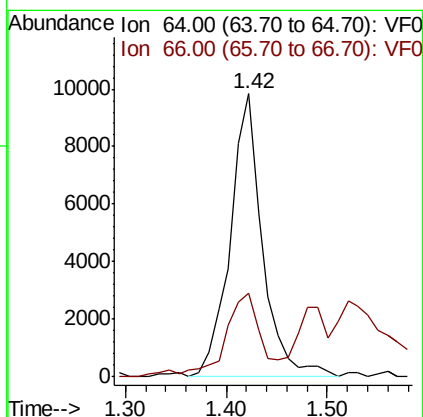
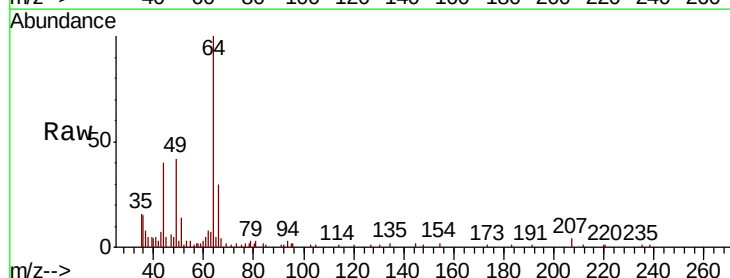
Acq: 6 Aug 2018 20:07

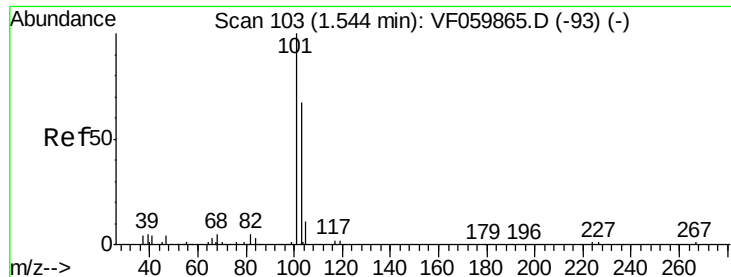
Tgt Ion: 64 Resp: 21825

Ion Ratio Lower Upper

64 100

66 29.6 26.9 40.3





#7

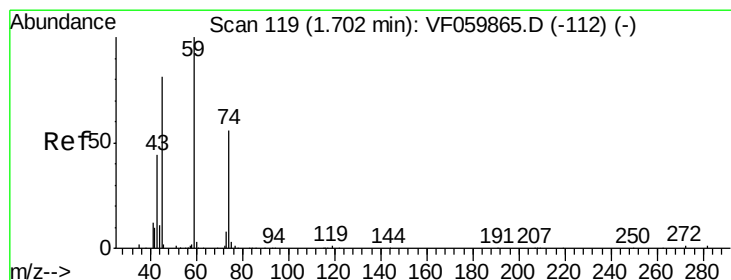
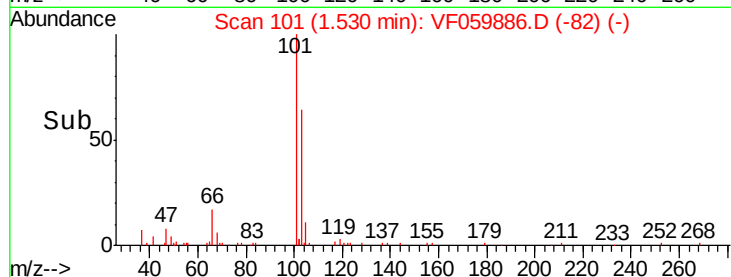
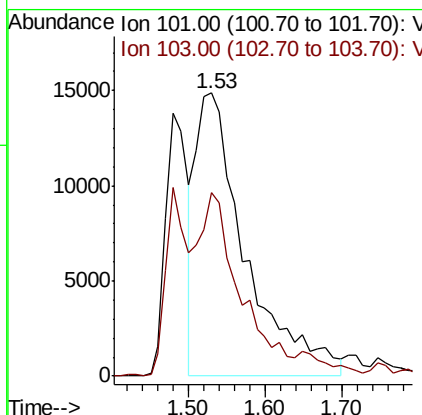
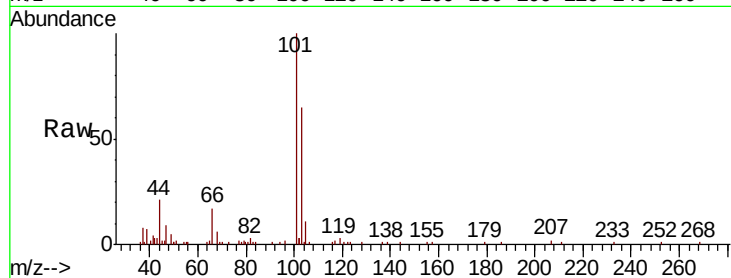
Trichlorofluoromethane
 Concen: 16.43 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

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 ClientSampleId :
 VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.6	80.4

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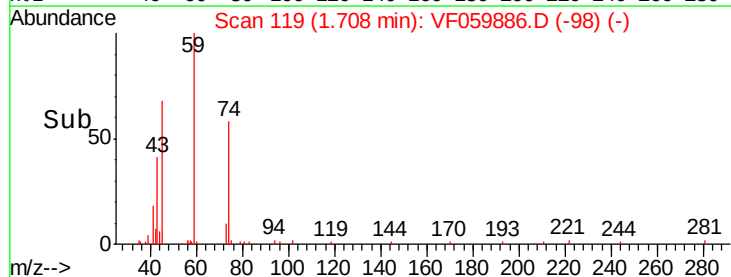
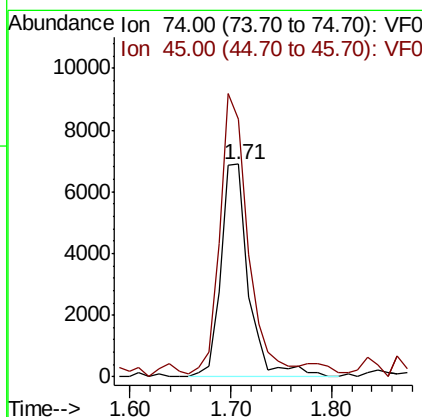
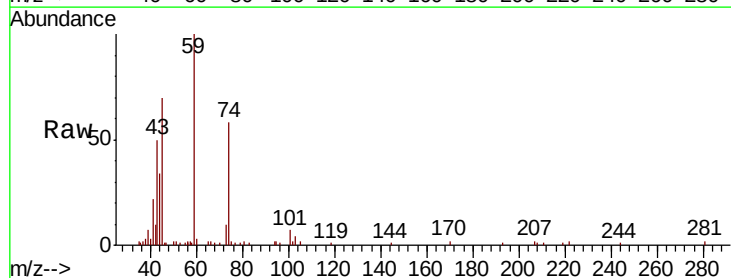
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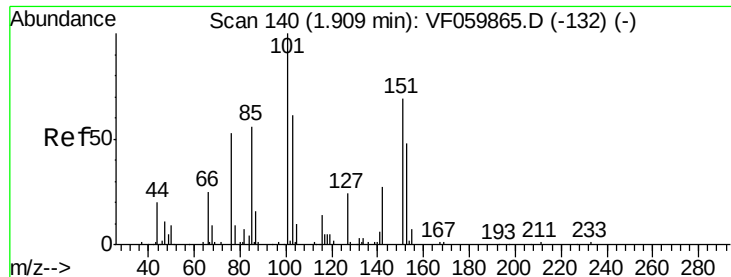


#8

Diethyl Ether
 Concen: 20.47 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.2	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.00 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

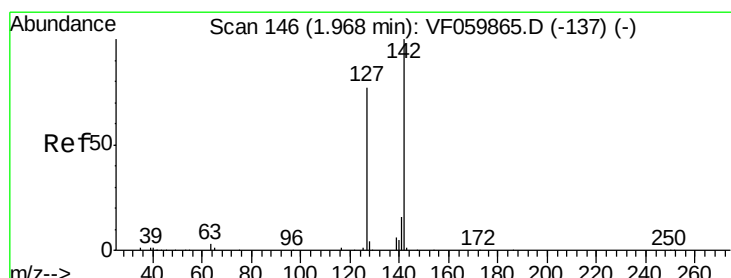
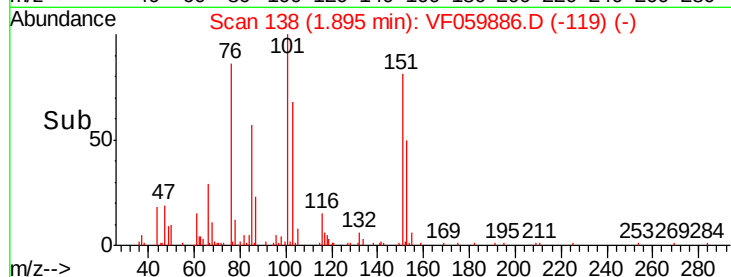
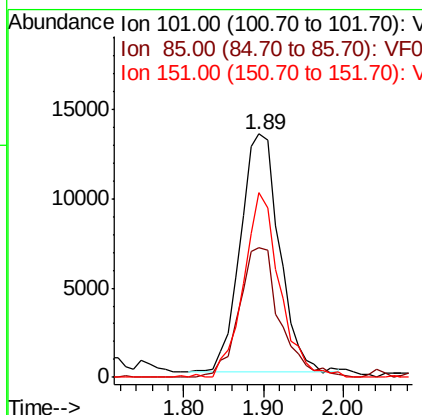
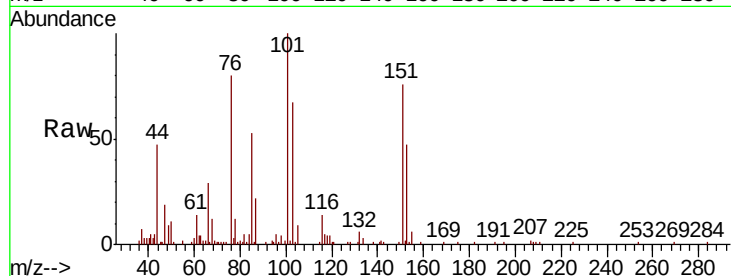
ClientSampleId :

VF0806SBSD01

Tot Ion:	101	Resp:	44723
Ion Ratio	Lower	Upper	
101	100		
85	53.3	44.5	66.7
151	75.8	53.8	80.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.90 ug/l

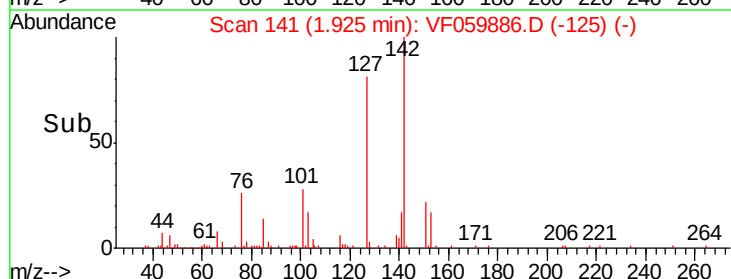
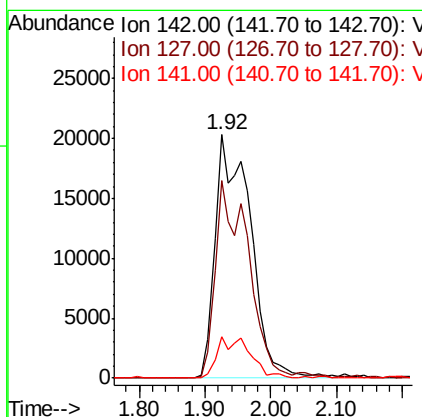
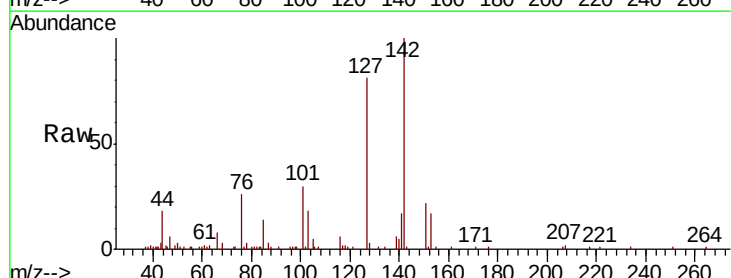
RT: 1.92 min Scan# 141

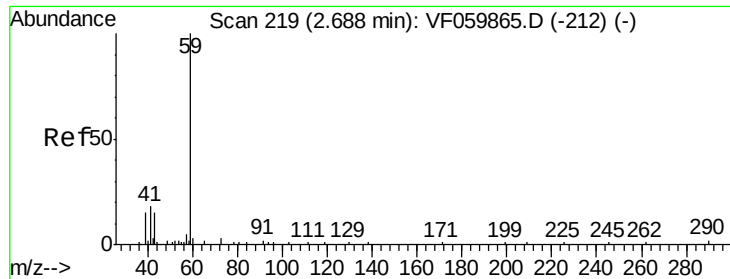
Delta R.T. -0.04 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	142	Resp:	75248
Ion Ratio	Lower	Upper	
142	100		
127	81.3	61.5	92.3
141	16.9	13.0	19.4





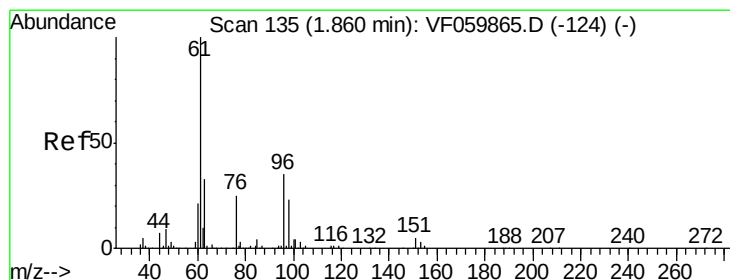
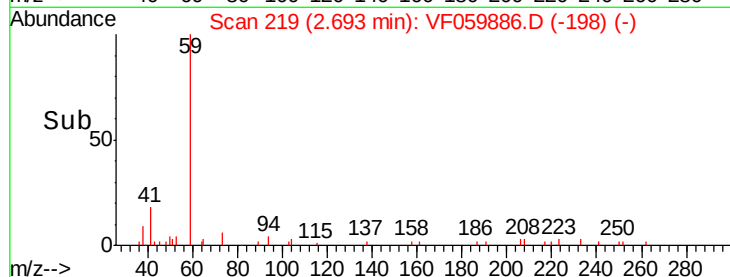
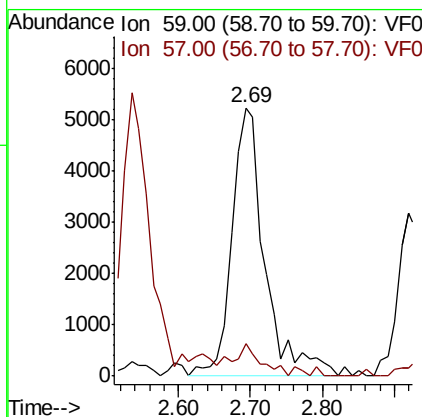
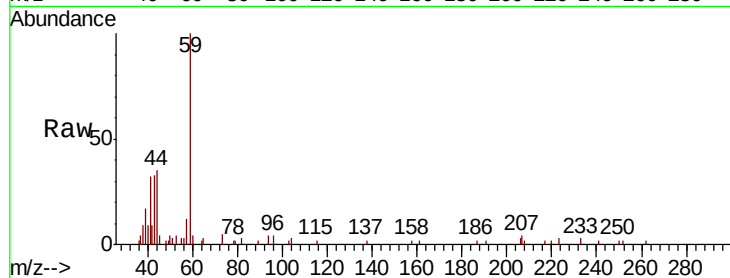
#11
Tert butyl alcohol
Concen: 124.41 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	7.6	11.4#

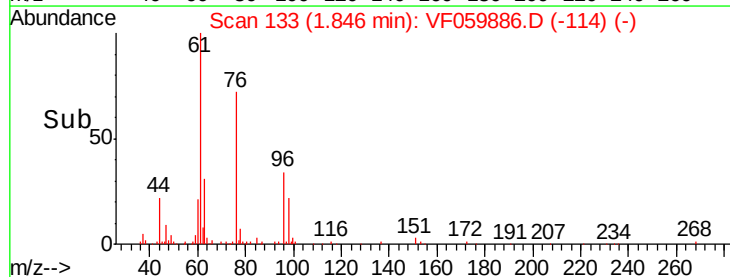
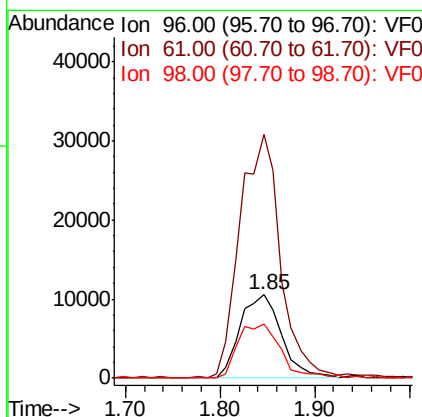
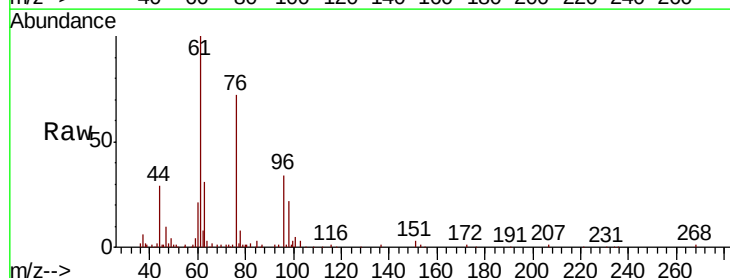
Manual Integrations
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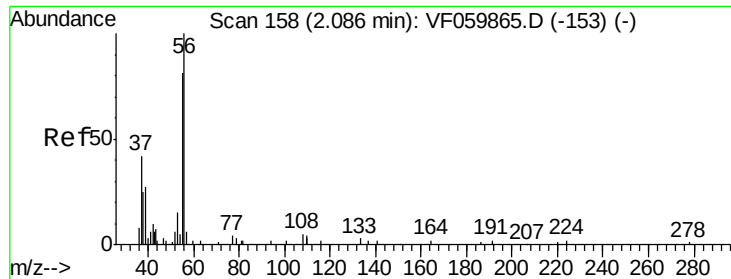
apatel
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#12
1,1-Dichloroethene
Concen: 19.68 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	293.4	230.2	345.2
98	65.7	52.7	79.1





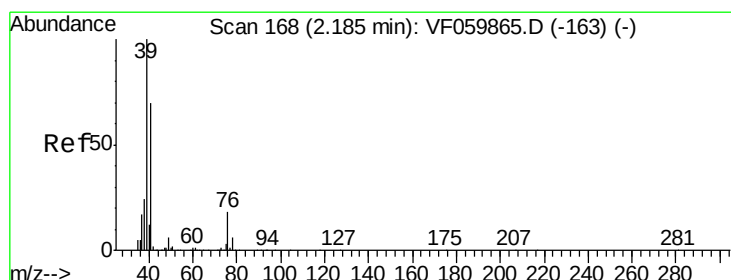
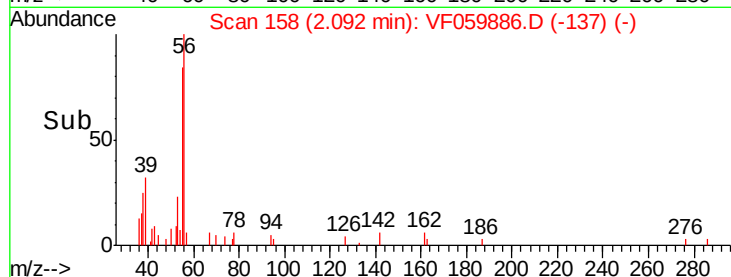
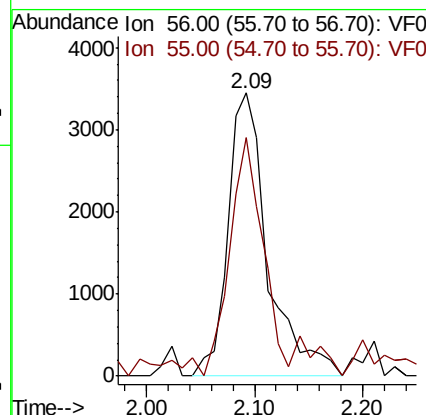
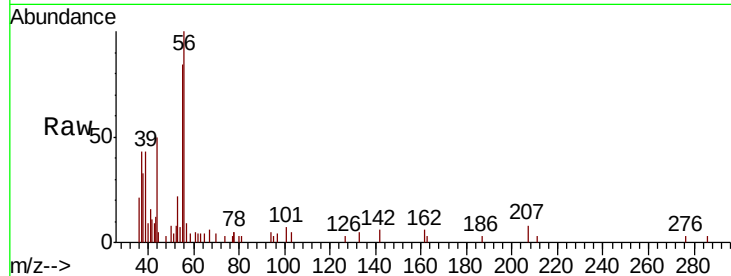
#13
Acrolein
Concen: 110.37 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	84.2	64.6	96.8

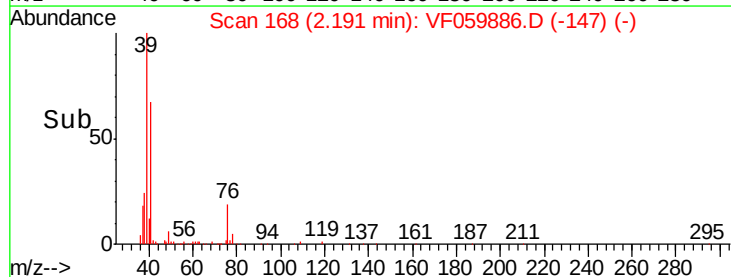
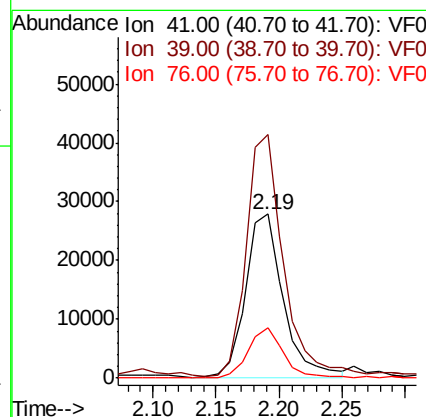
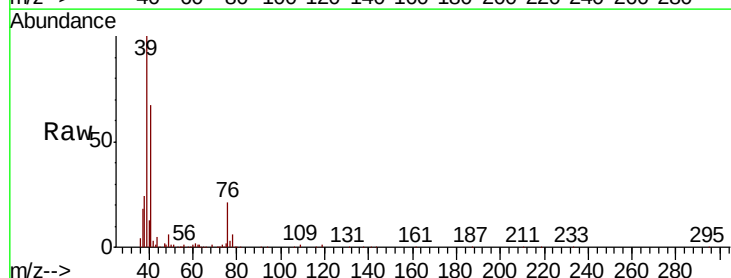
Manual Integrations
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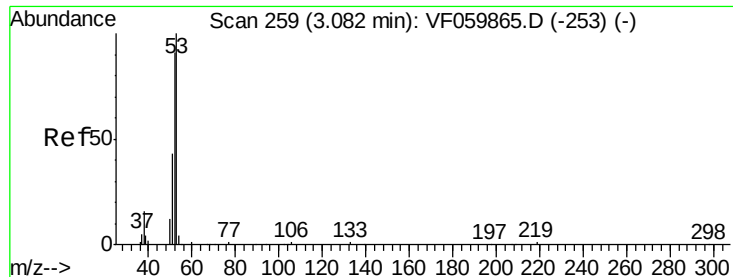
apatel
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#14
Allyl chloride
Concen: 21.00 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
41	100		
39	148.6	114.6	171.8
76	30.8	21.0	31.4





#15

Acrylonitrile

Concen: 91.33 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

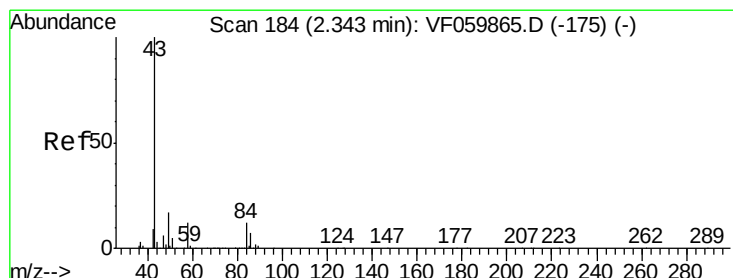
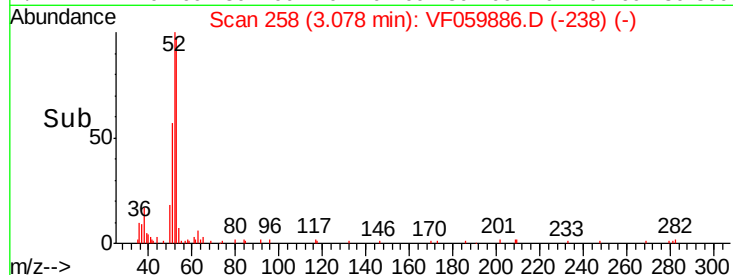
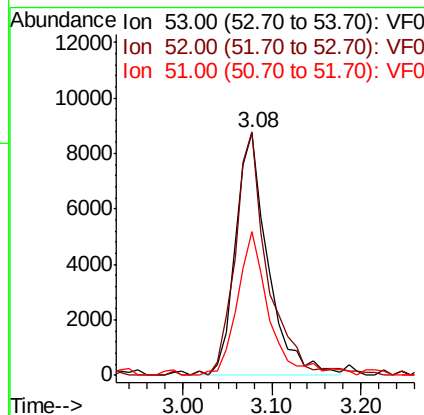
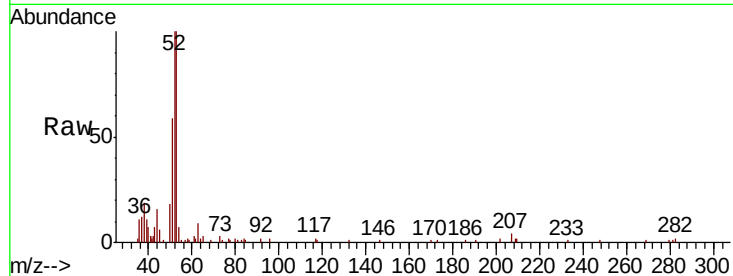
ClientSampleId :

VF0806SBSD01

Tot Ion:	53	Resp:	22256
Ion Ratio	Lower	Upper	
53	100		
52	100.5	72.9	109.3
51	59.3	34.5	51.7#

Manual Integrations
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#16

Acetone

Concen: 112.18 ug/l

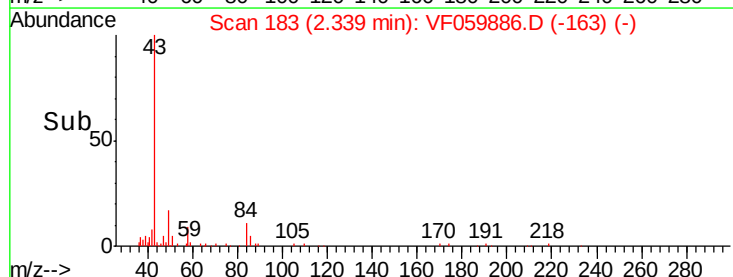
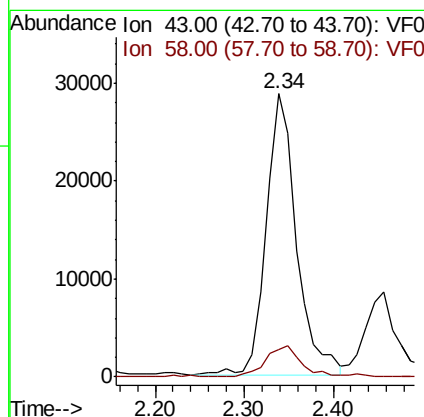
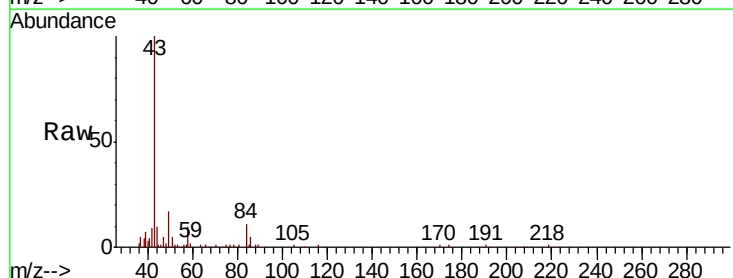
RT: 2.34 min Scan# 183

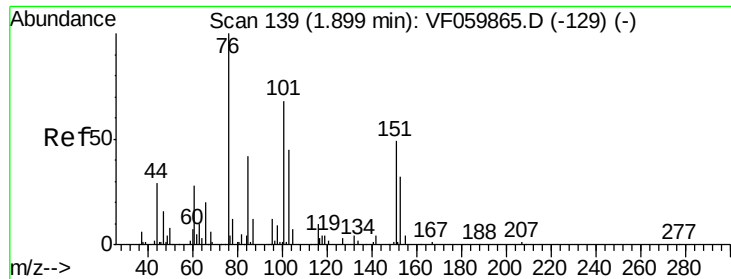
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	43	Resp:	68274
Ion Ratio	Lower	Upper	
43	100		
58	9.5	9.4	14.0





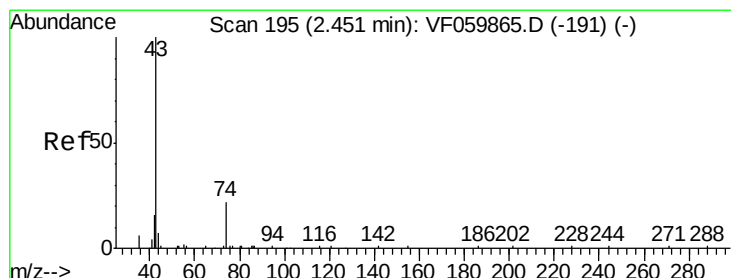
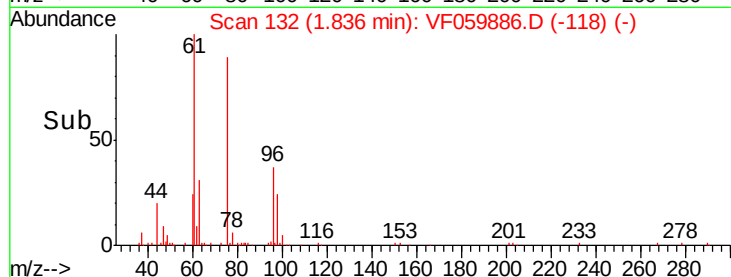
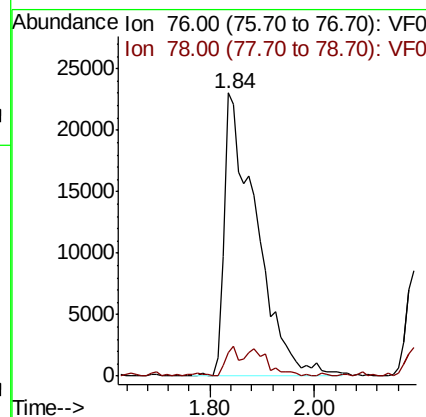
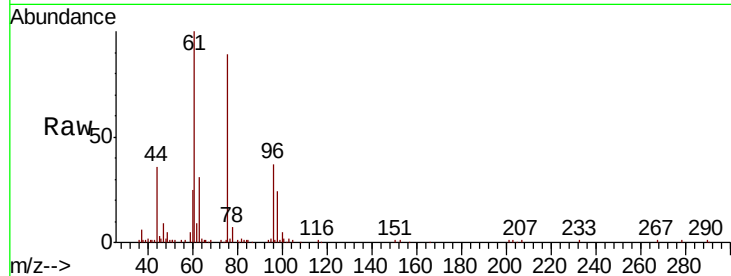
#17
Carbon Disulfide
Concen: 22.14 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.06 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	9.3	13.9#

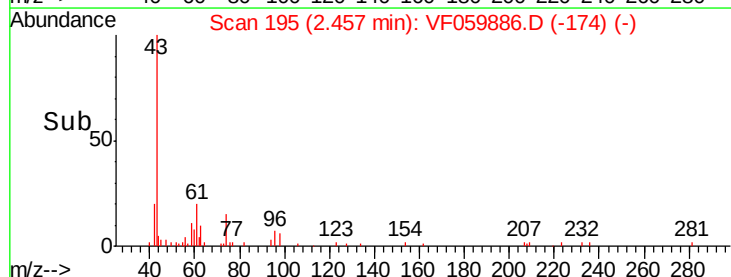
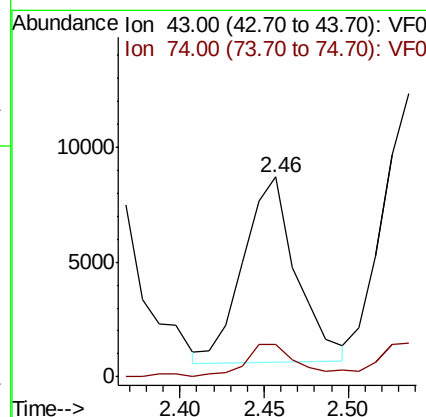
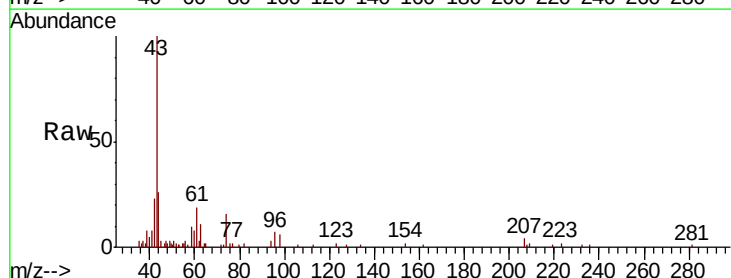
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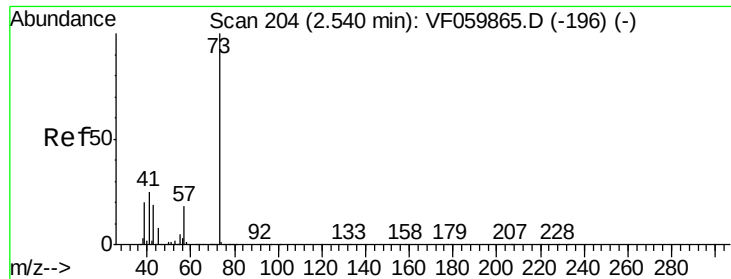
apatel
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#18
Methyl Acetate
Concen: 17.18 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.3	16.3	24.5#





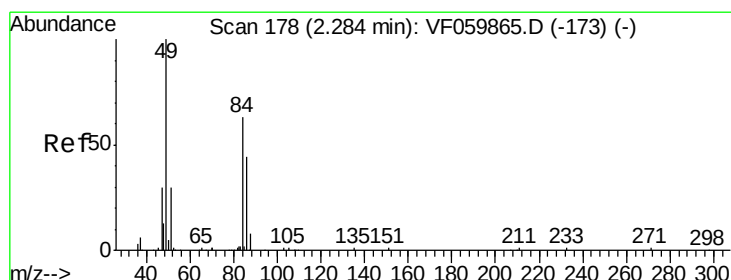
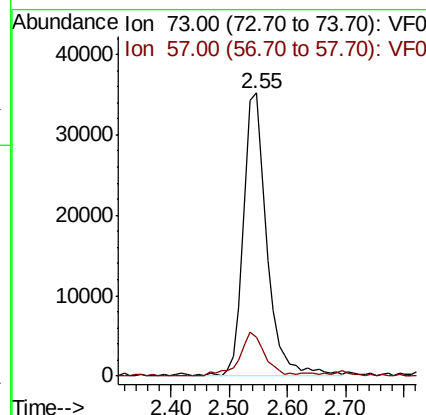
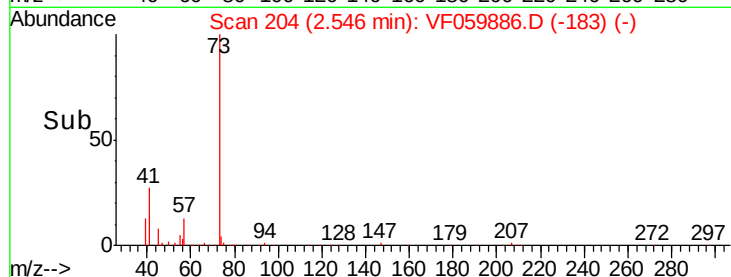
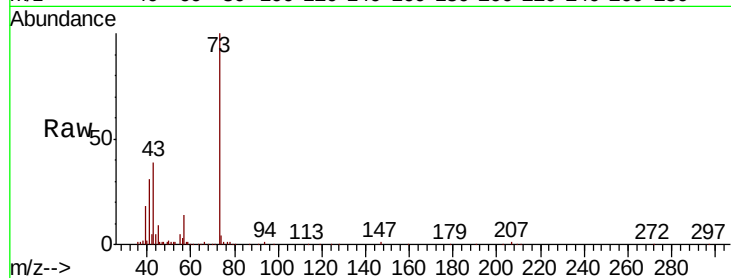
#19
Methyl tert-butyl Ether
Concen: 21.43 ug/l
RT: 2.55 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	13.7	14.3	21.5#

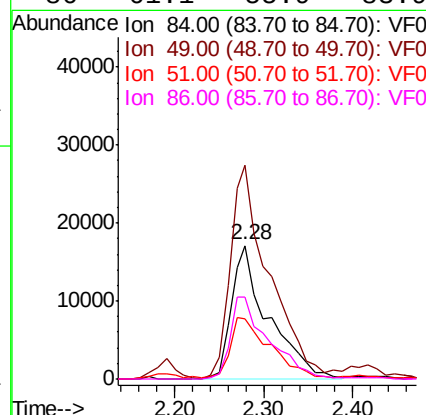
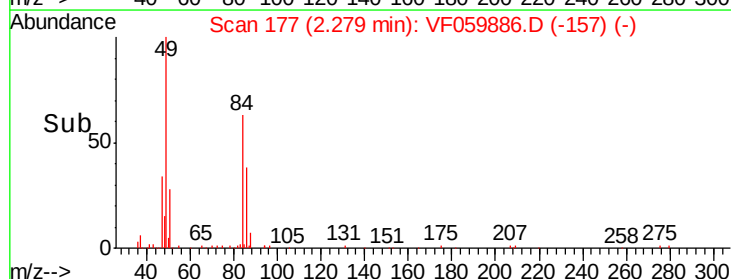
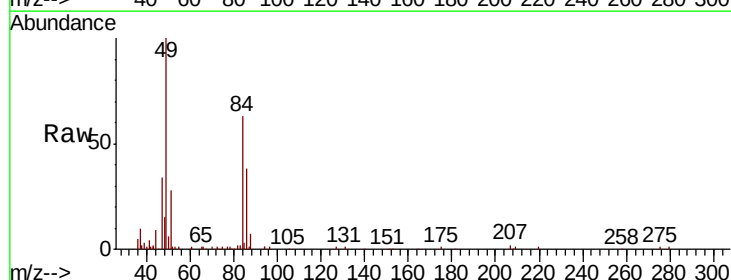
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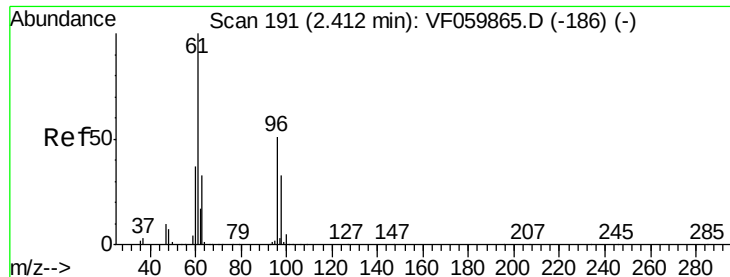
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#20
Methylene Chloride
Concen: 30.31 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.7	128.7	193.1
51	45.0	39.3	58.9
86	61.1	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 20.78 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

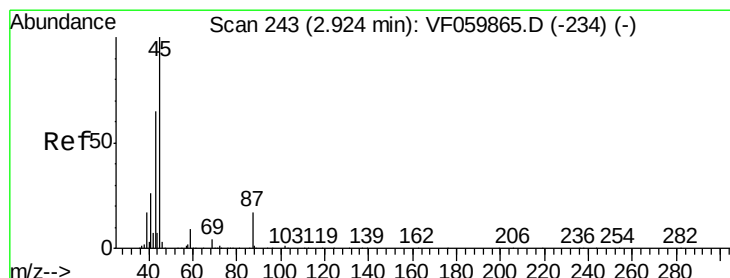
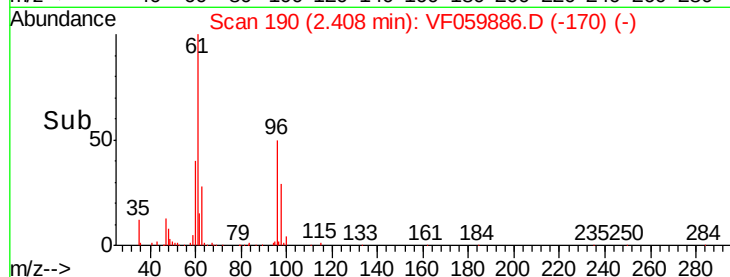
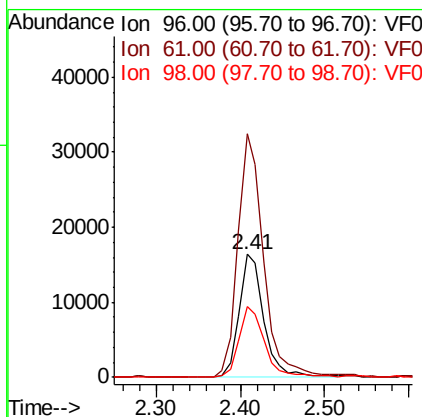
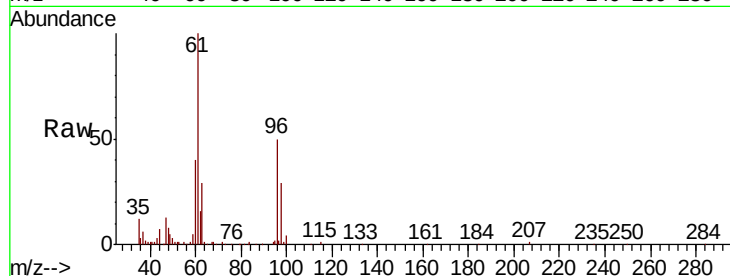
ClientSampleId :

VF0806SBSD01

Tot Ion:	96	Resp:	33725
Ion	Ratio	Lower	Upper
96	100		
61	198.1	158.2	237.4
98	57.2	52.0	78.0

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#22

Diisopropyl ether

Concen: 21.31 ug/l

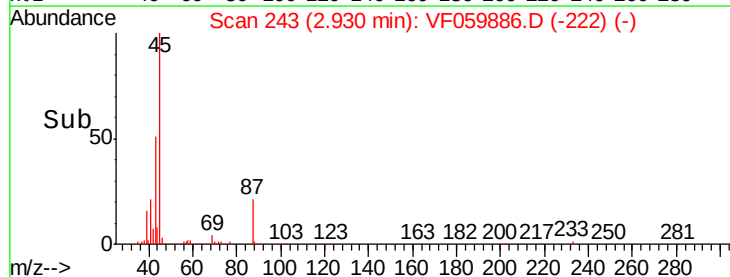
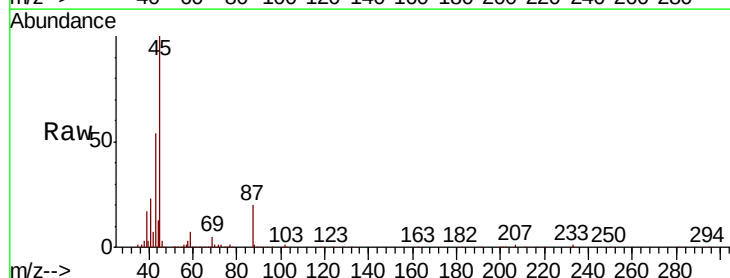
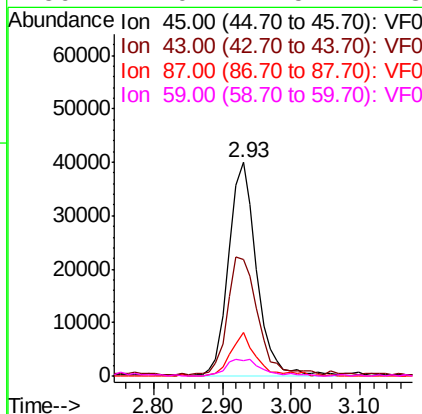
RT: 2.93 min Scan# 243

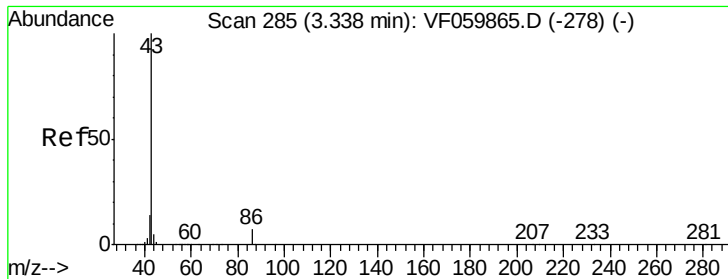
Delta R.T. 0.01 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	45	Resp:	111668
Ion	Ratio	Lower	Upper
45	100		
43	54.3	52.1	78.1
87	20.4	13.8	20.8
59	7.0	7.5	11.3#





#23

Vinyl Acetate

Concen: 112.30 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBSD01

Tot Ion: 43 Resp: 284841

Ion Ratio Lower Upper

43 100

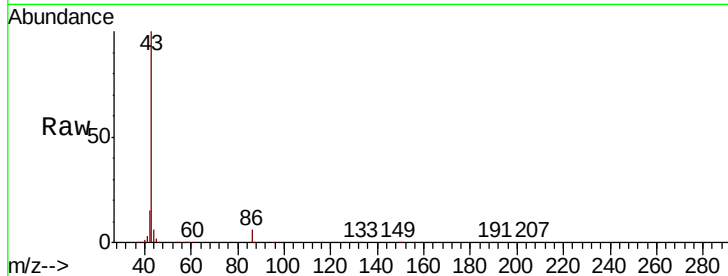
86 6.4 5.6 8.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

120000

100000

80000

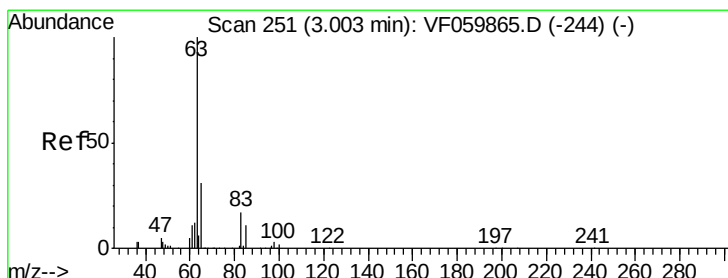
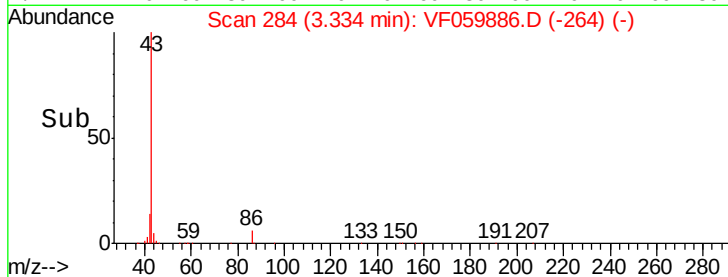
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.64 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

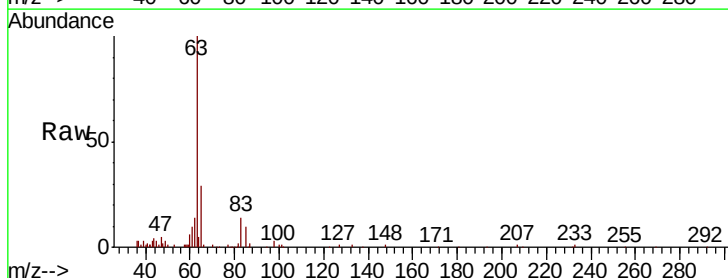
Tgt Ion: 63 Resp: 78746

Ion Ratio Lower Upper

63 100

98 3.1 1.9 5.7

100 1.5 1.1 3.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.00

40000

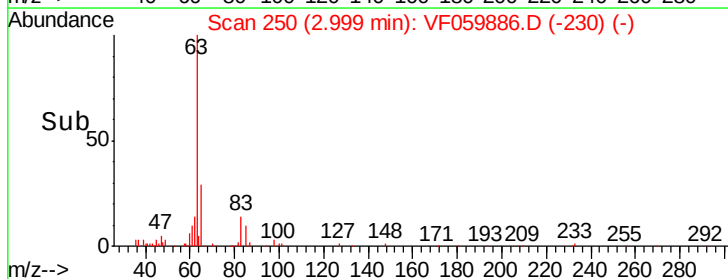
30000

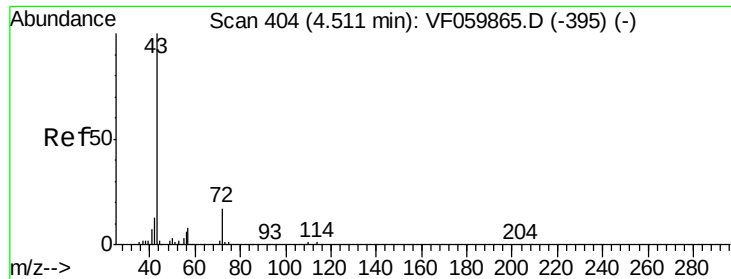
20000

10000

0

Time-->





#25

2-Butanone

Concen: 109.57 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBSD01

Tot Ion: 43 Resp: 72515

Ion Ratio Lower Upper

43 100

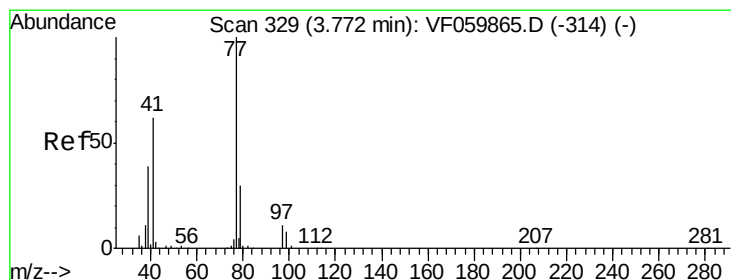
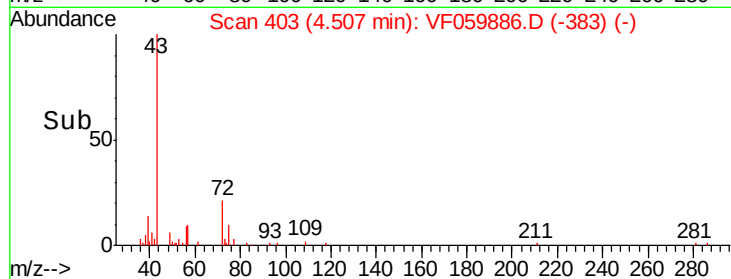
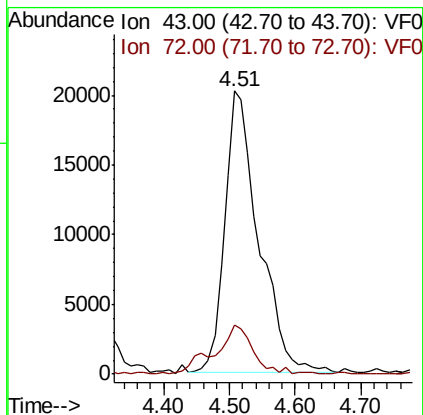
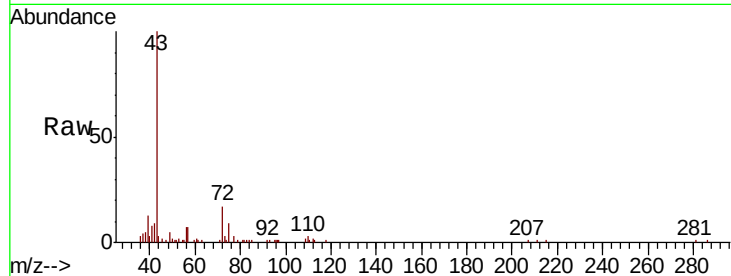
72 17.2 13.9 20.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 25.70 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF059886.D

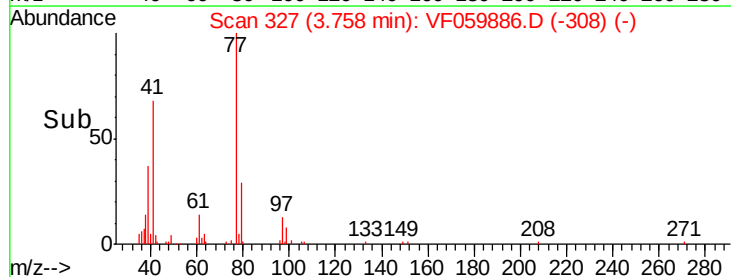
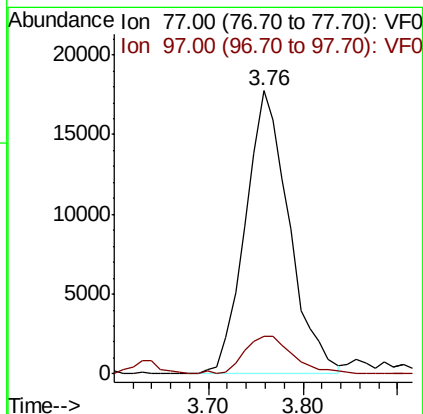
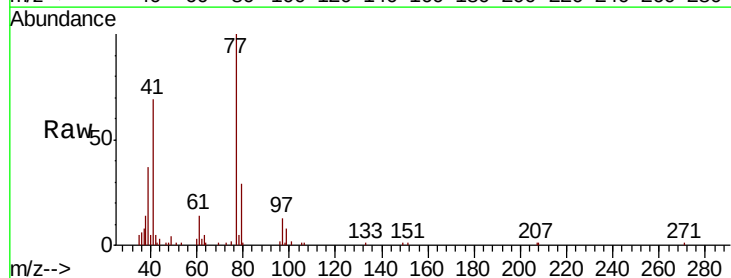
Acq: 6 Aug 2018 20:07

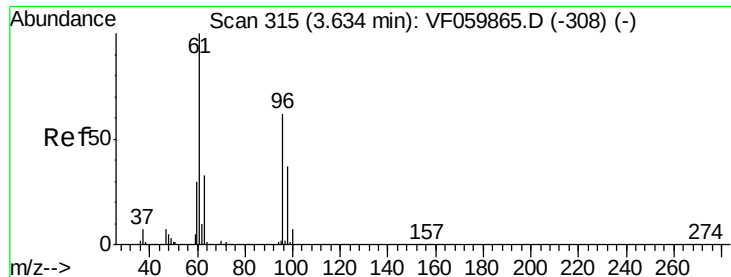
Tgt Ion: 77 Resp: 57074

Ion Ratio Lower Upper

77 100

97 13.4 6.8 20.3





#27

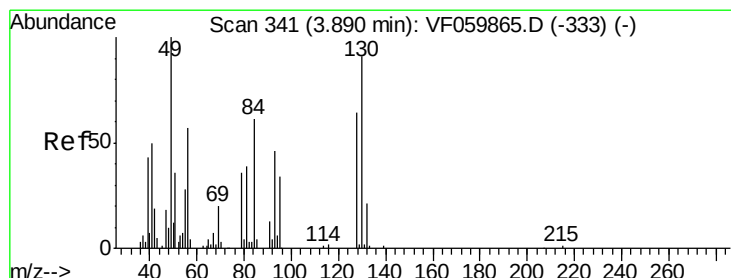
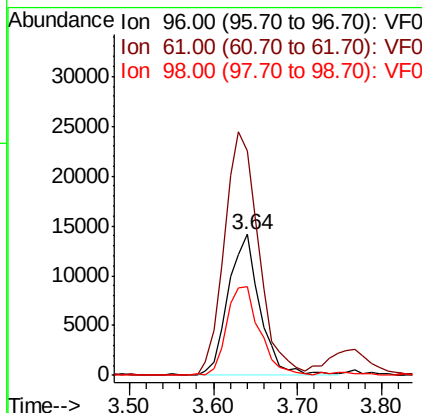
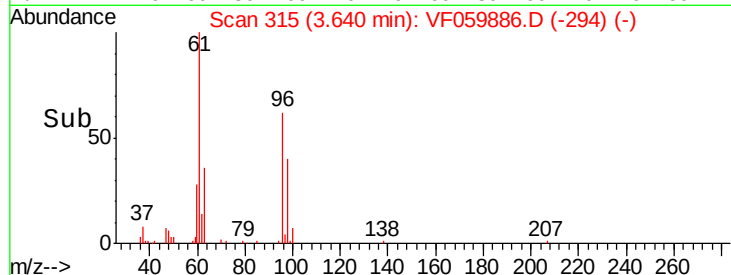
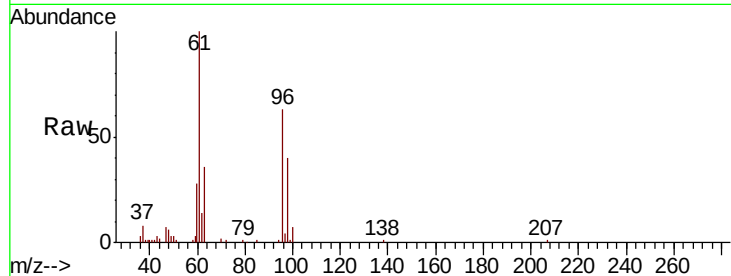
cis-1,2-Dichloroethene
 Concen: 20.47 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.2	0.0	320.8
98	63.2	0.0	117.6

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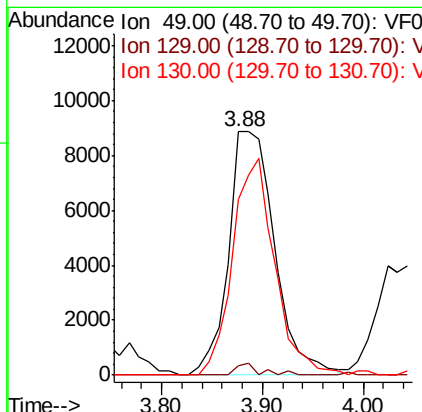
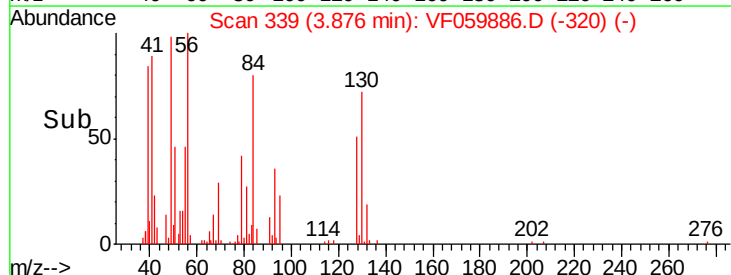
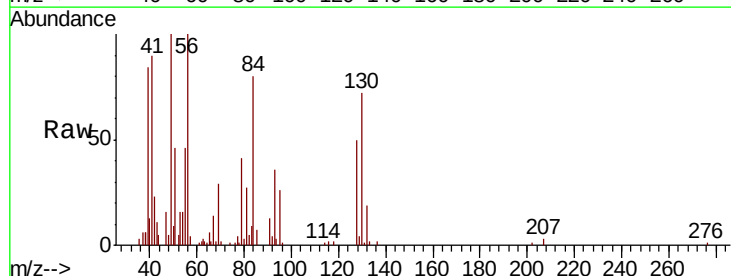
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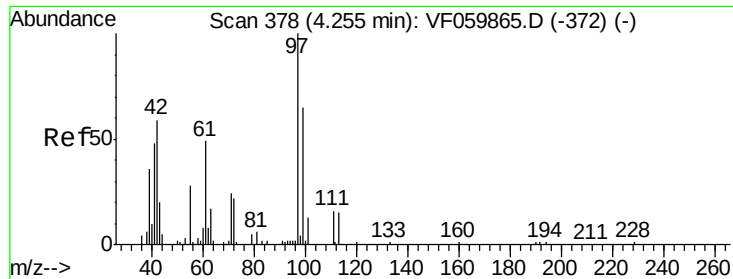


#28

Bromochloromethane
 Concen: 20.97 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. -0.01 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.8	0.0	4.6
130	71.9	73.8	110.8#





#29

Tetrahydrofuran

Concen: 106.54 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.02 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

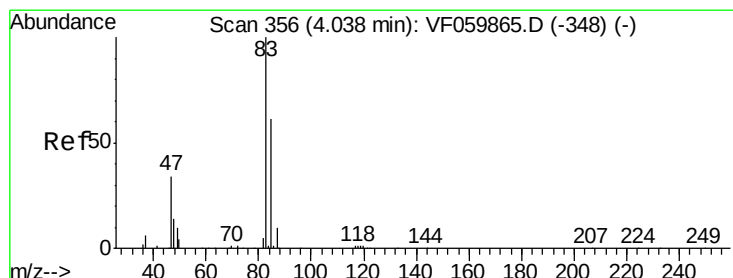
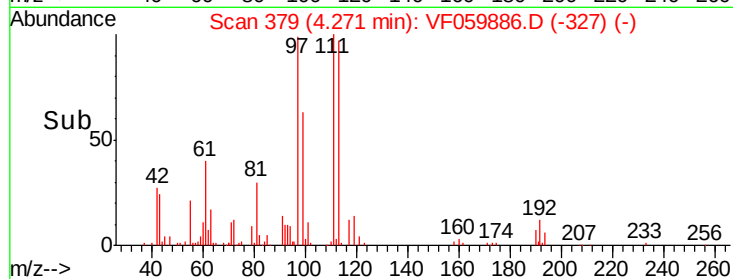
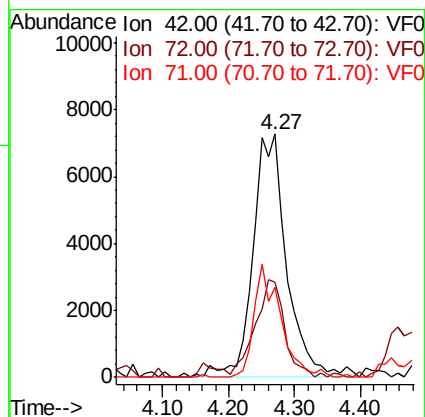
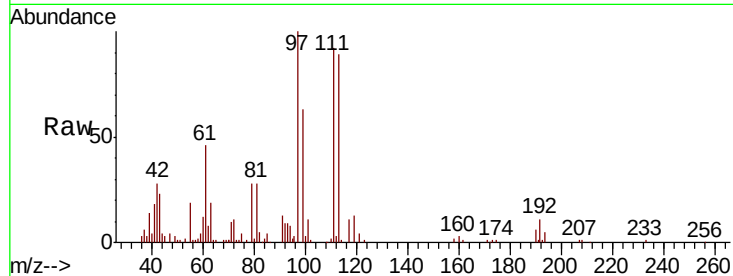
ClientSampleId :

VF0806SBSD01

Tot Ion	42	Resp	25956
Ion Ratio	Lower	Upper	
42	100		
72	35.5	29.3	43.9
71	36.9	30.0	45.0

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#30

Chloroform

Concen: 21.03 ug/l

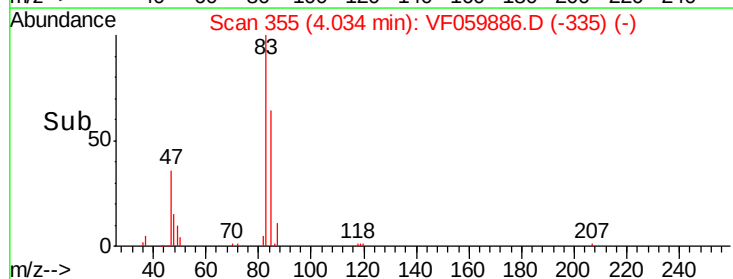
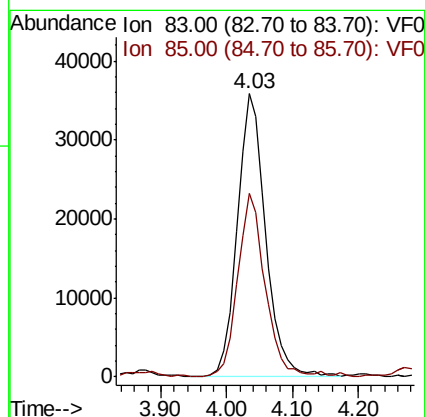
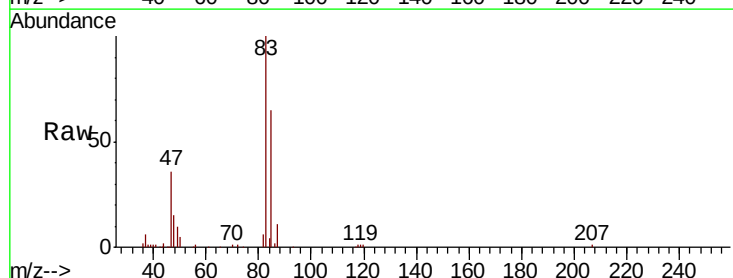
RT: 4.03 min Scan# 355

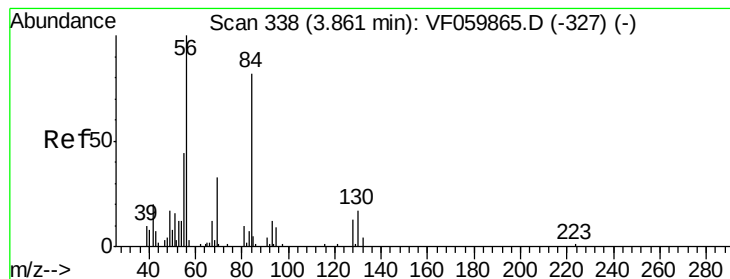
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion	83	Resp	108541
Ion Ratio	Lower	Upper	
83	100		
85	65.1	49.3	73.9





#31

Cyclohexane

Concen: 20.94 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

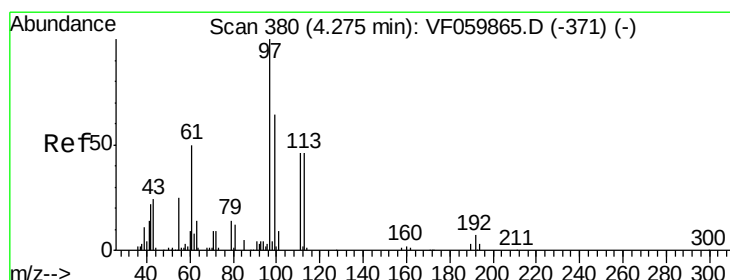
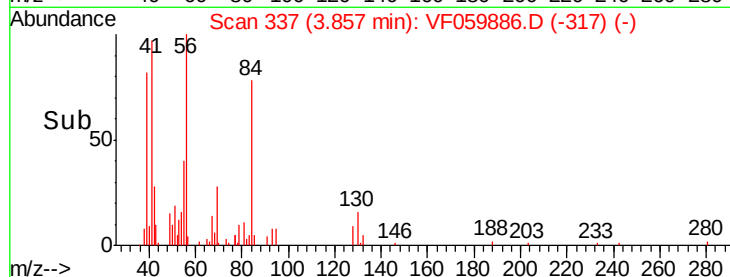
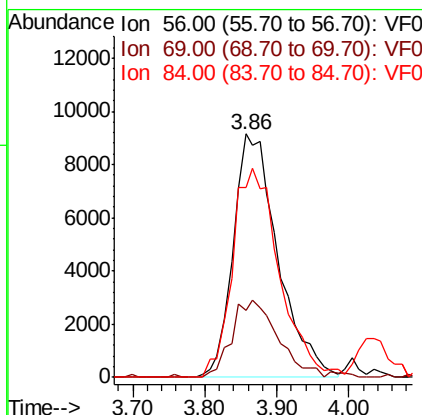
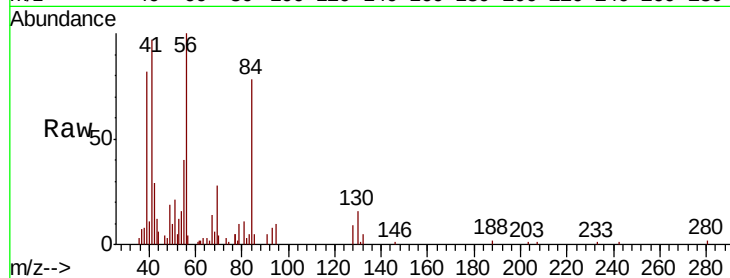
ClientSampleId :

VF0806SBSD01

Tot Ion:	56	Resp:	39540
Ion	Ratio	Lower	Upper
56	100		
69	27.6	26.7	40.1
84	77.8	65.9	98.9

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#32

1,1,1-Trichloroethane

Concen: 22.76 ug/l

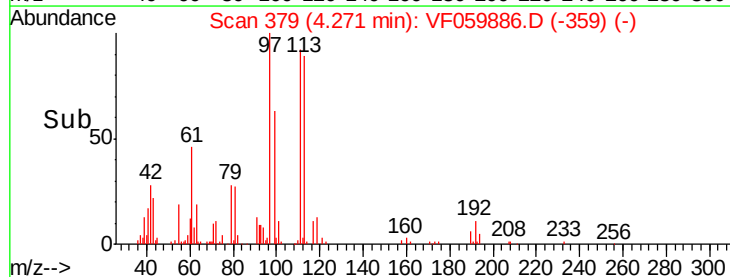
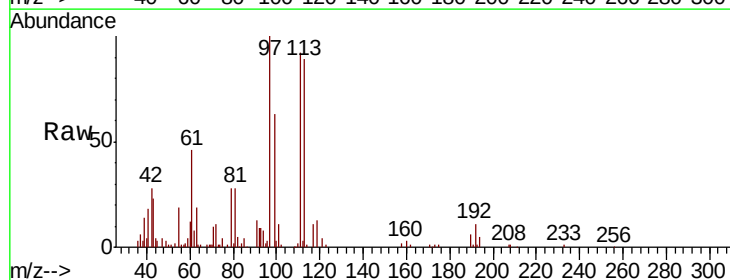
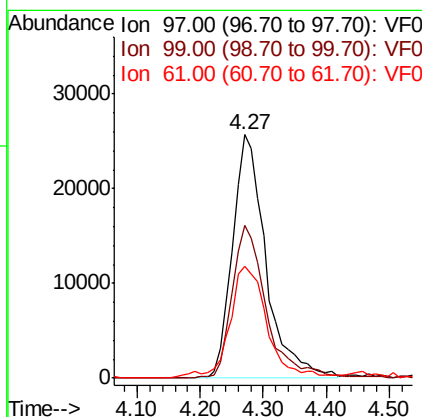
RT: 4.27 min Scan# 379

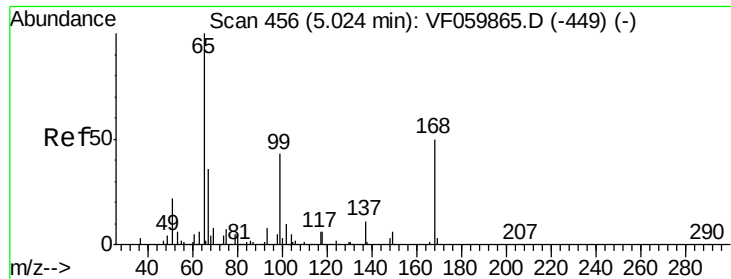
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	97	Resp:	93996
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.4	77.2
61	46.1	40.8	61.2





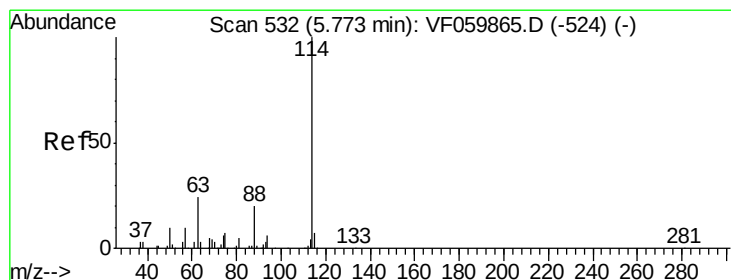
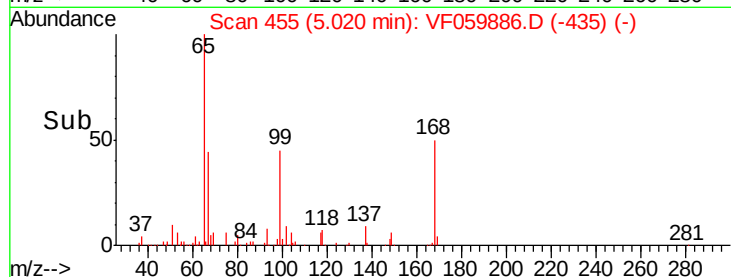
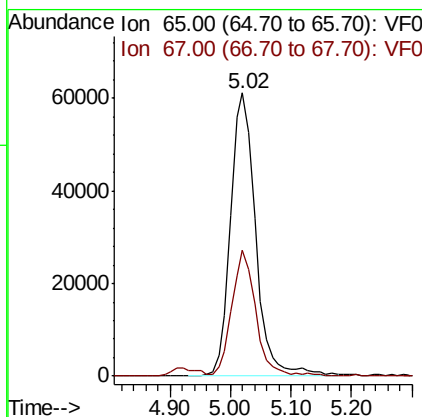
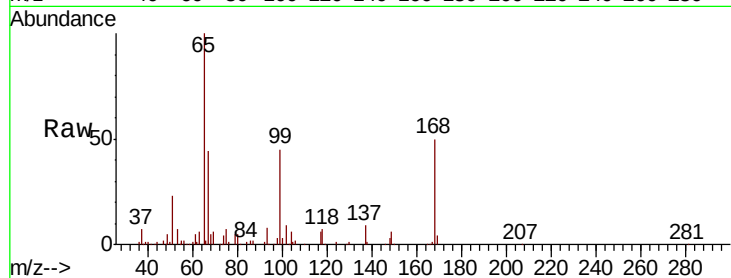
#33
 1,2-Dichloroethane-d4
 Concen: 53.73 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	177136		
67	44.5	0.0	77.2	

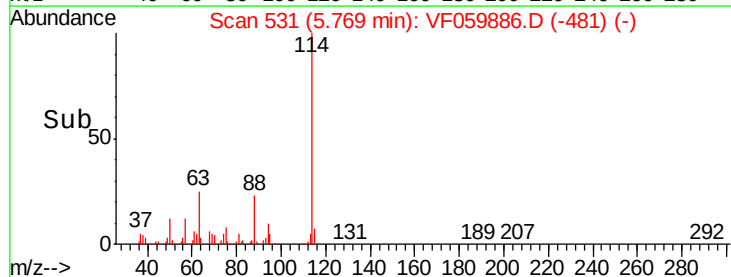
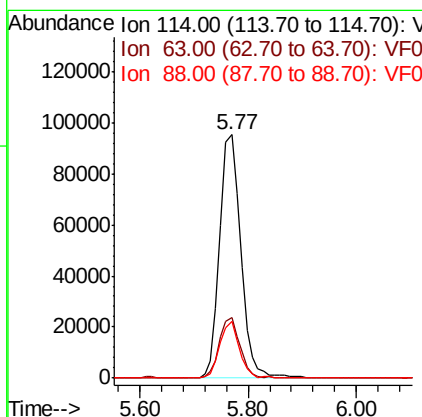
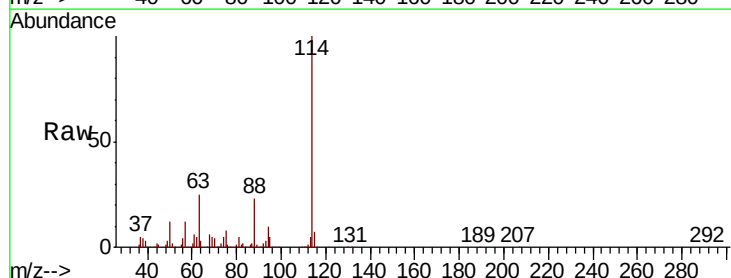
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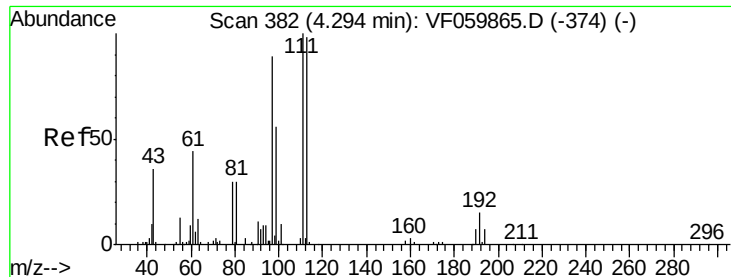
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	261023		
63	24.7	0.0	48.0	
88	23.1	0.0	39.4	





#35

Dibromofluoromethane

Concen: 53.01 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

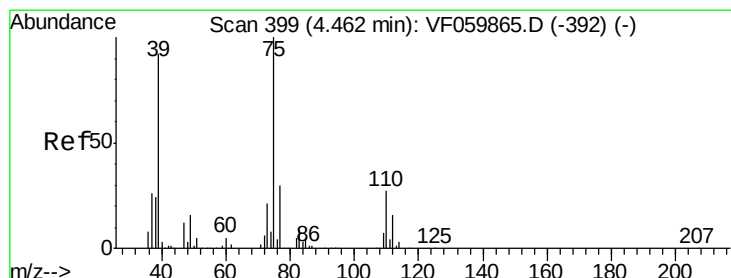
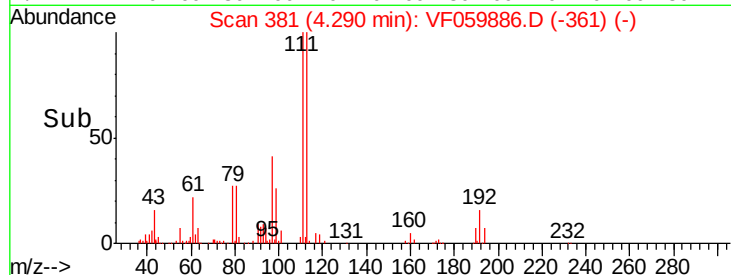
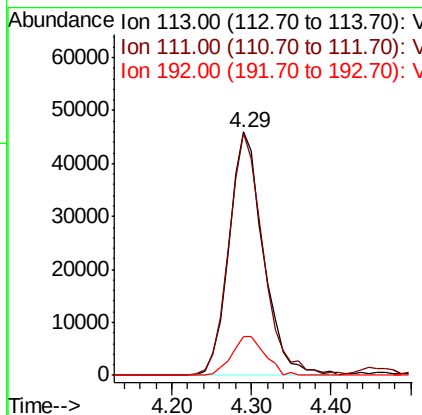
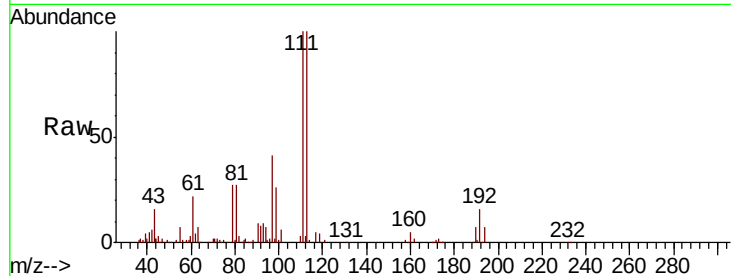
ClientSampleId :

VF0806SBSD01

Tot Ion:	113	Resp:	137660
Ion	Ratio	Lower	Upper
113	100		
111	99.8	81.8	122.8
192	15.9	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 21.57 ug/l

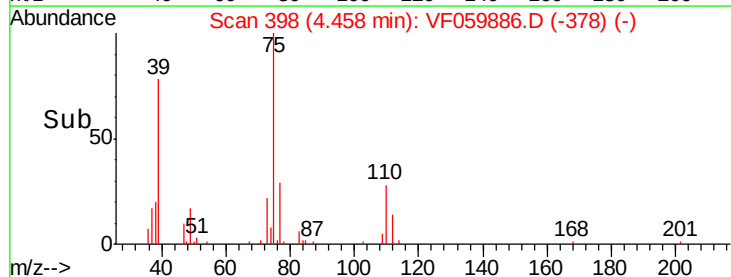
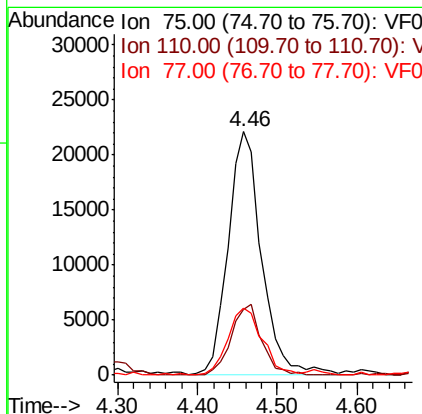
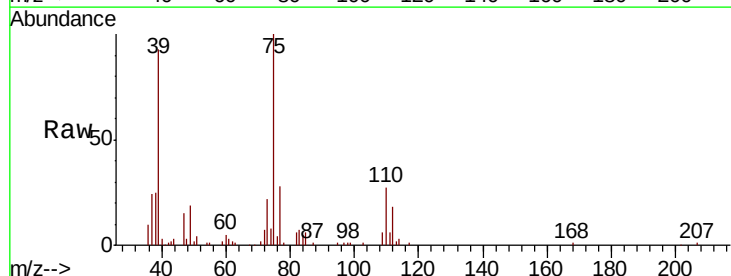
RT: 4.46 min Scan# 398

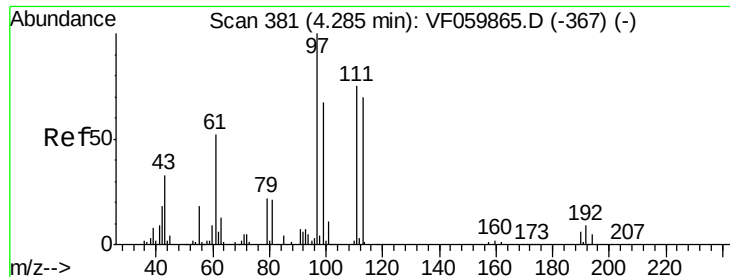
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	75	Resp:	65120
Ion	Ratio	Lower	Upper
75	100		
110	26.9	13.6	40.7
77	27.7	23.7	35.5





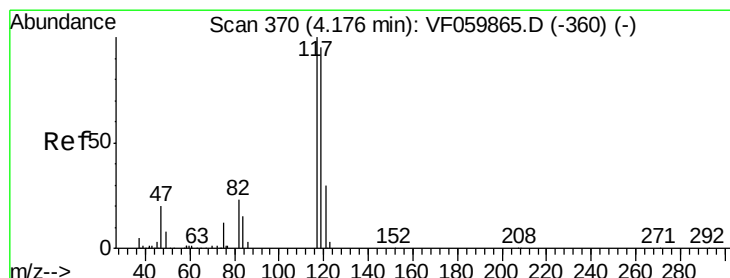
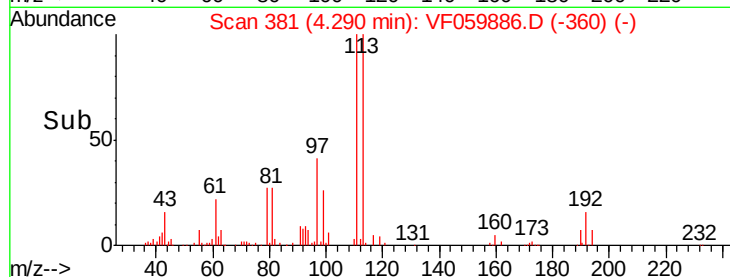
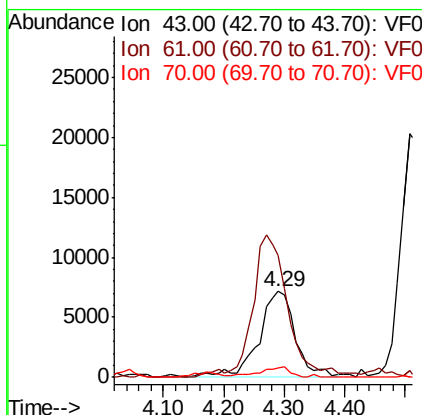
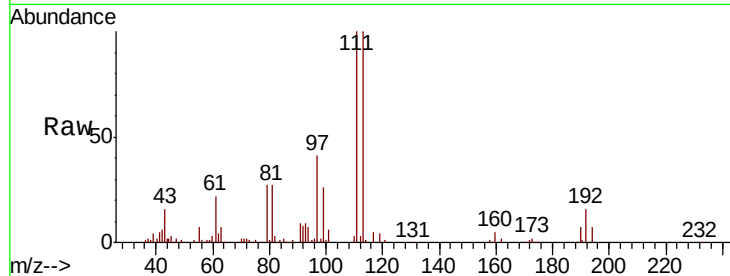
#37
Ethyl Acetate
Concen: 23.27 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	43	61	70
Resp	30163	142.0	11.1
Ratio	100	142.0	11.1
Lower		123.7	7.8
Upper		185.5	11.8

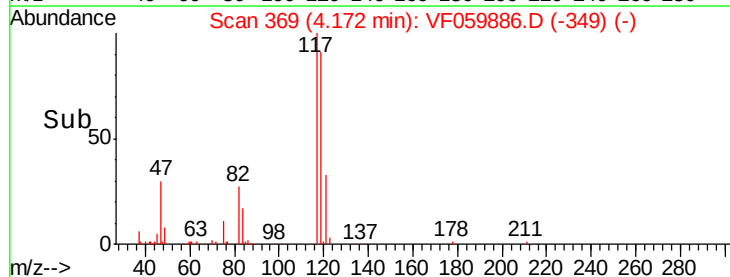
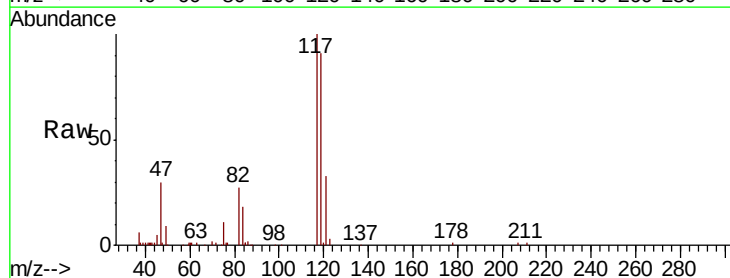
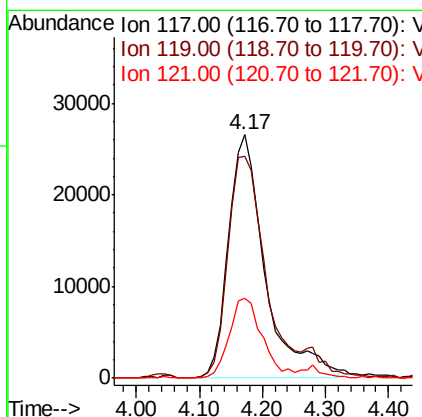
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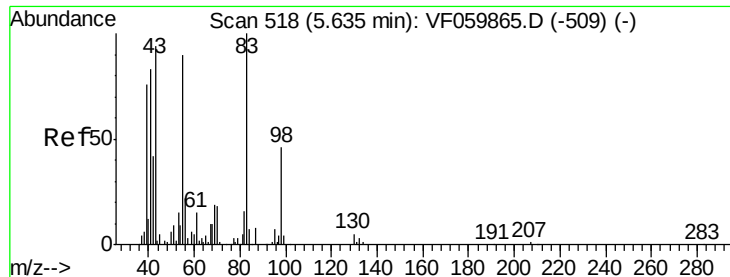
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#38
Carbon Tetrachloride
Concen: 24.91 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	117	119	121
Resp	107672	91.3	32.5
Ratio	100	91.3	32.5
Lower		76.5	23.8
Upper		114.7	35.8





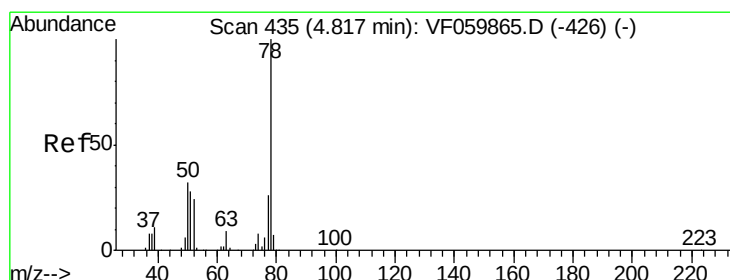
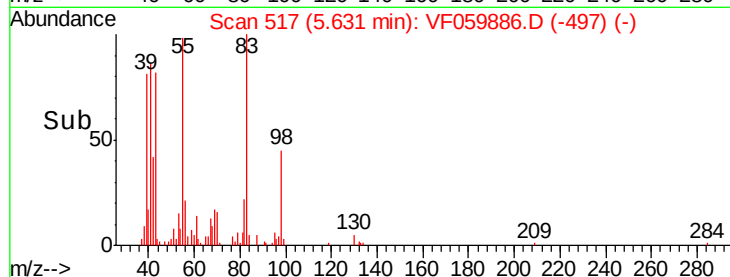
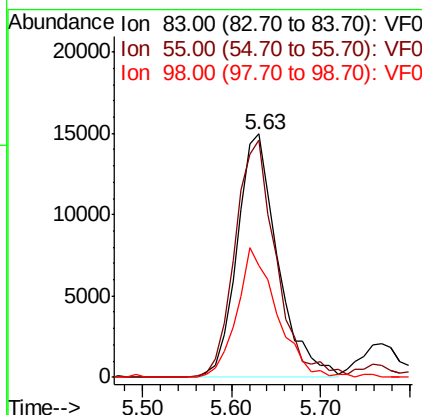
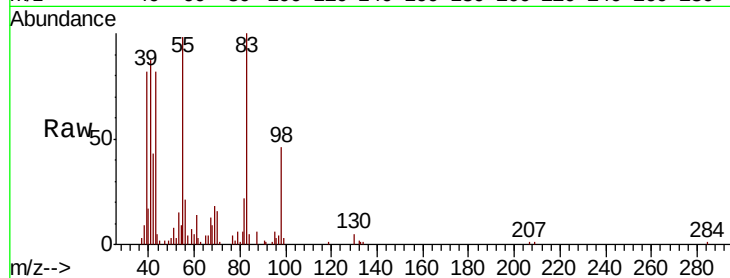
#39
Methylvlcyclohexane
Concen: 20.87 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.6	72.0	108.0
98	45.8	36.6	54.8

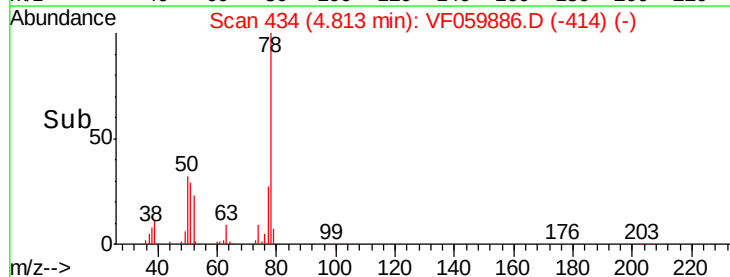
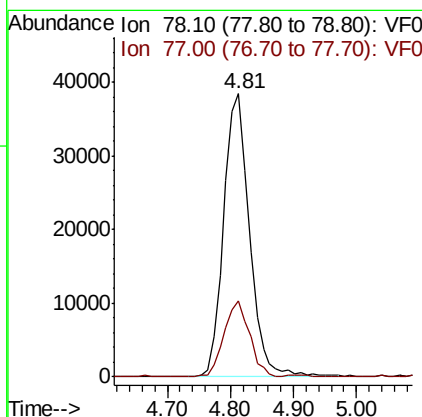
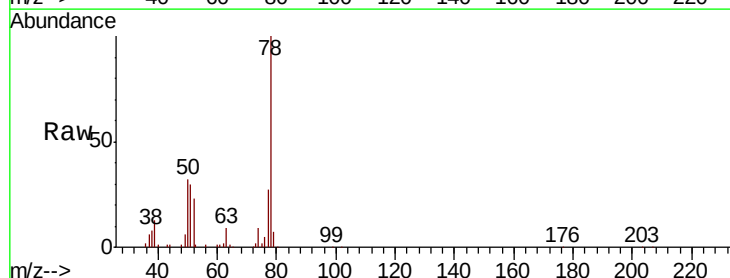
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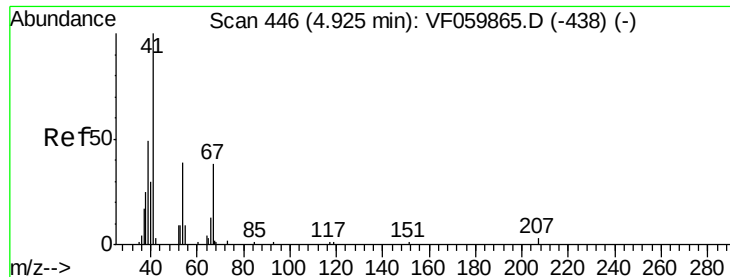
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#40
Benzene
Concen: 19.32 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.1	20.7	31.1





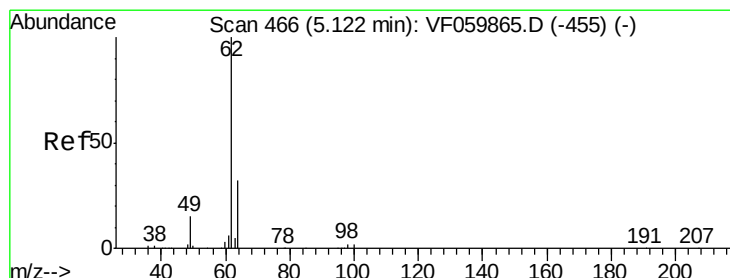
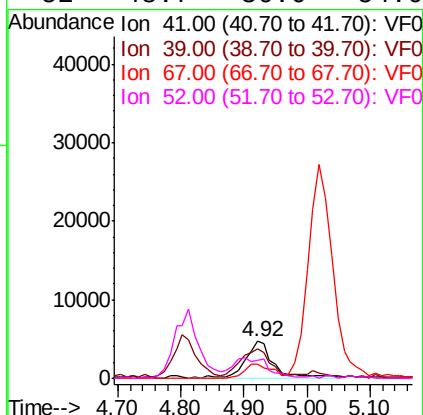
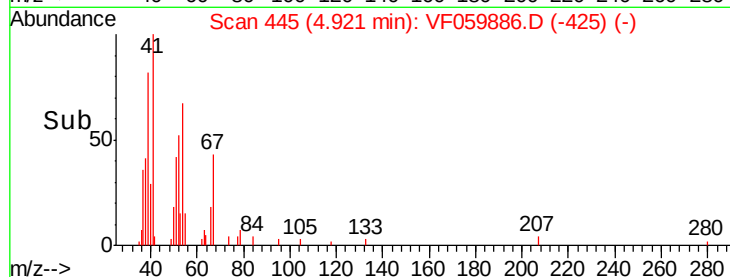
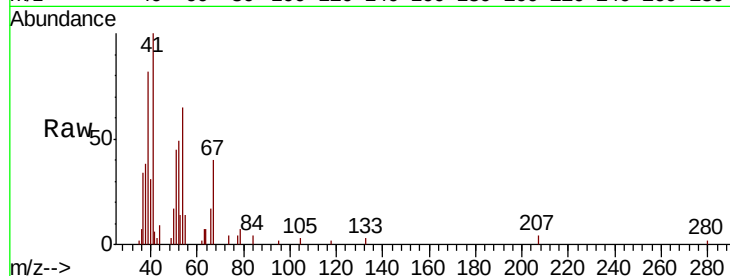
#41
Methacrylonitrile
Concen: 21.69 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	82.3	55.1	82.7
67	40.1	30.3	45.5
52	48.7	36.0	54.0

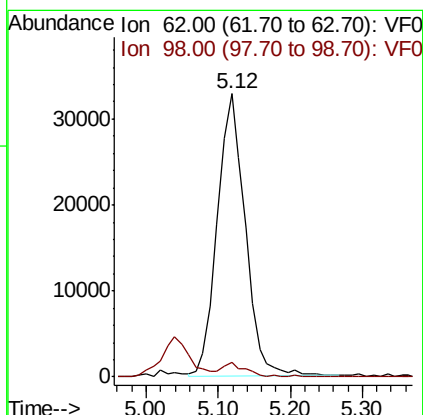
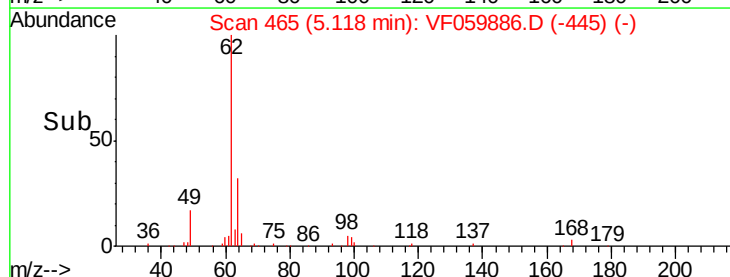
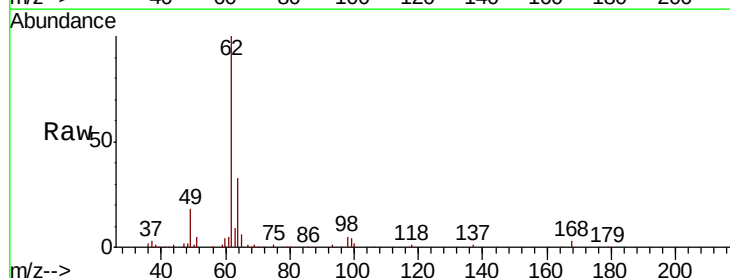
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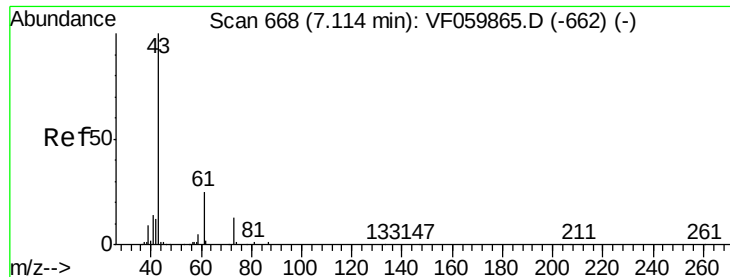
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#42
1,2-Dichloroethane
Concen: 21.05 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	7.6





#43

Isopropyl Acetate

Concen: 22.36 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

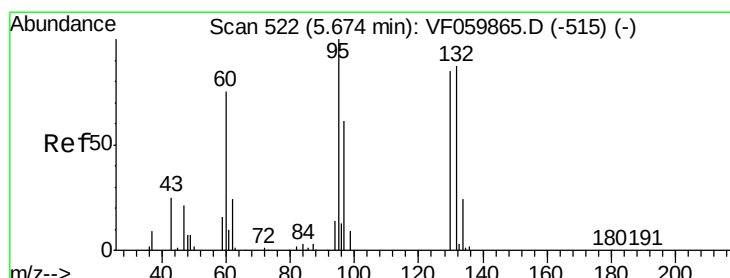
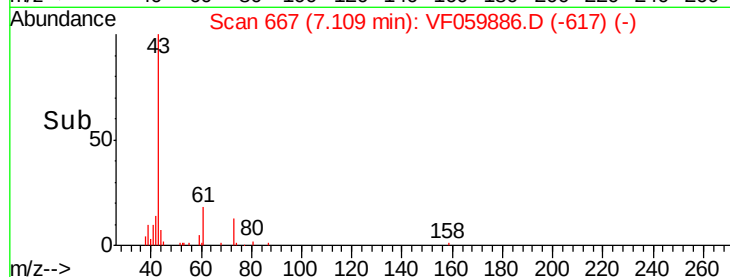
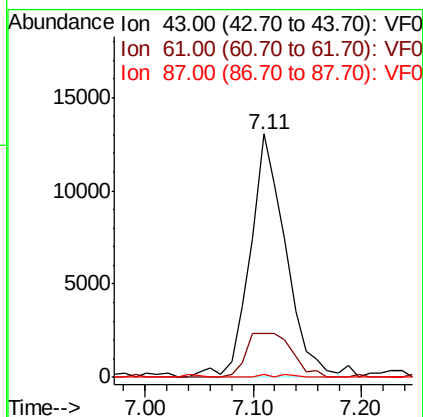
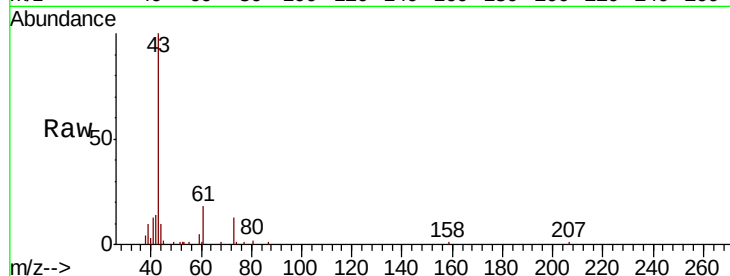
ClientSampleId :

VF0806SBSD01

Tot Ion:	43	Resp:	29850
Ion	Ratio	Lower	Upper
43	100		
61	17.8	20.3	30.5#
87	1.0	0.7	1.1

Manual Integrations
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#44

Trichloroethene

Concen: 21.64 ug/l

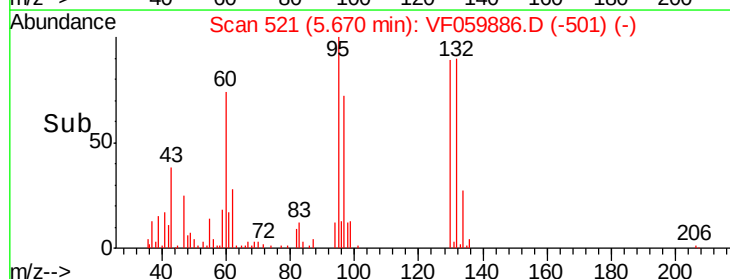
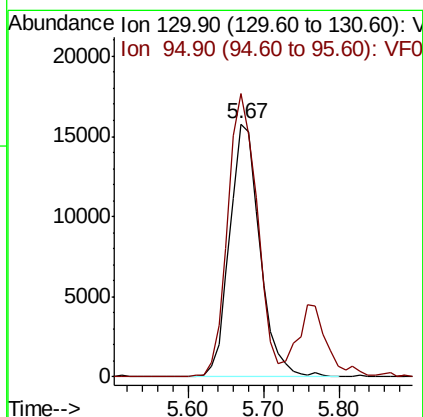
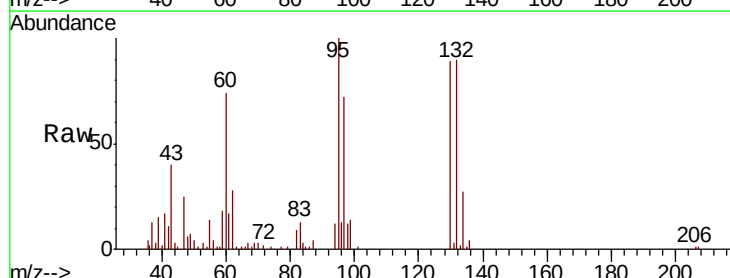
RT: 5.67 min Scan# 521

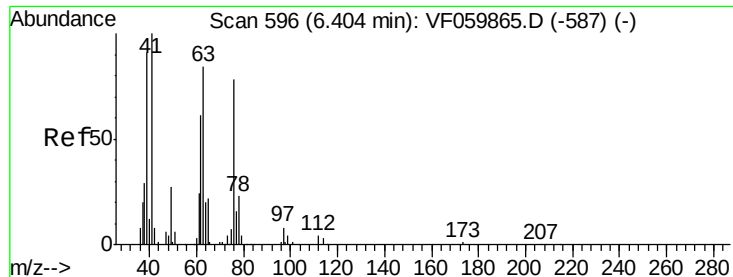
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	130	Resp:	43511
Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	236.8





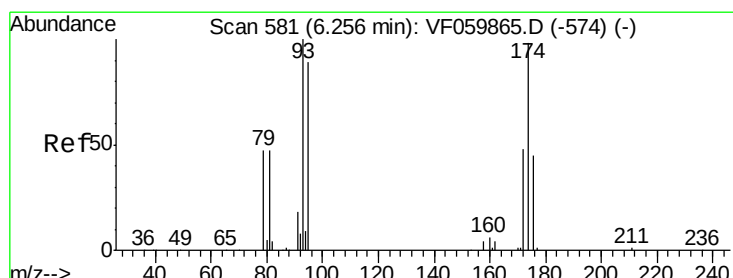
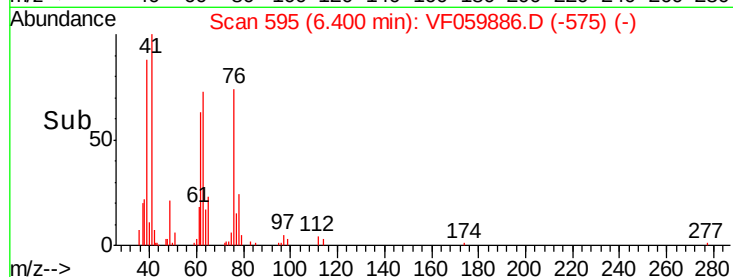
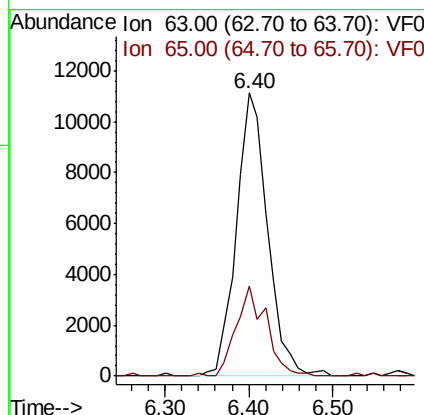
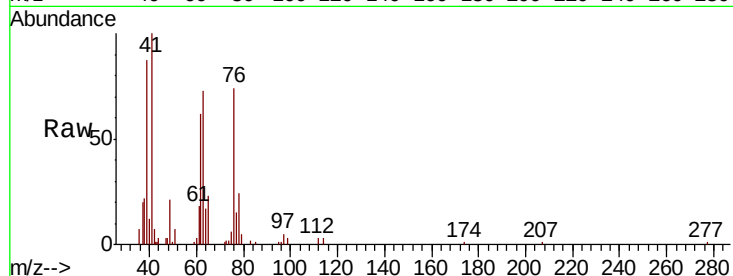
#45
 1,2-Dichloropropane
 Concen: 20.75 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBSD01

Tot Ion: 63 Resp: 28747
 Ion Ratio Lower Upper
 63 100
 65 31.9 20.4 30.6#

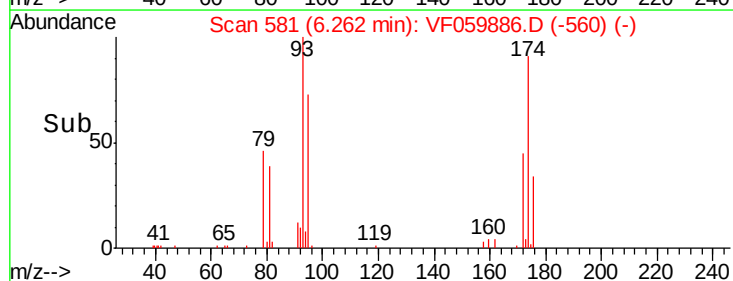
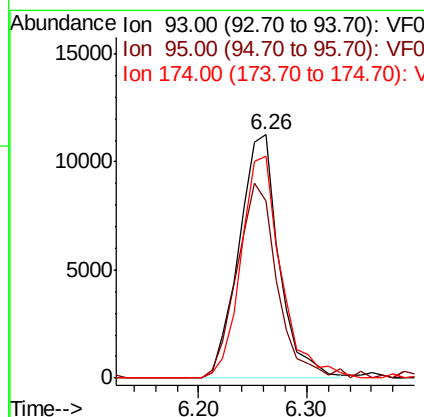
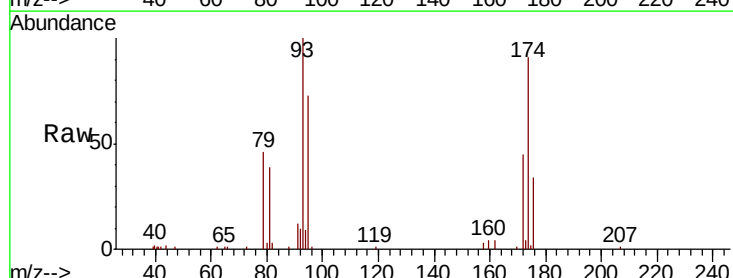
Manual Integrations
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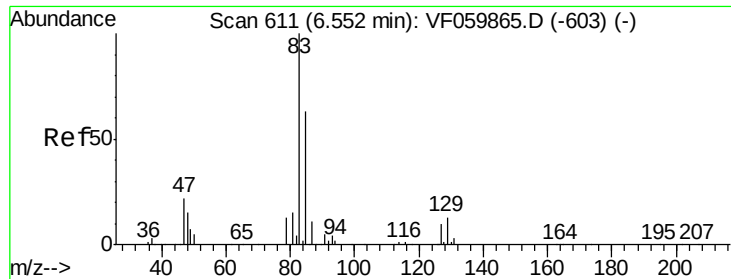
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#46
 Dibromomethane
 Concen: 20.80 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Tgt Ion: 93 Resp: 29077
 Ion Ratio Lower Upper
 93 100
 95 72.6 71.4 107.2
 174 90.9 78.1 117.1





#47

Bromodichloromethane

Concen: 21.38 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

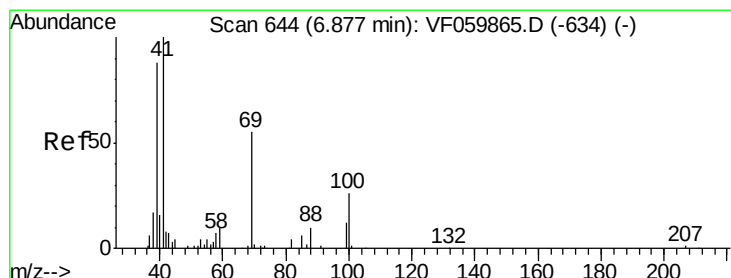
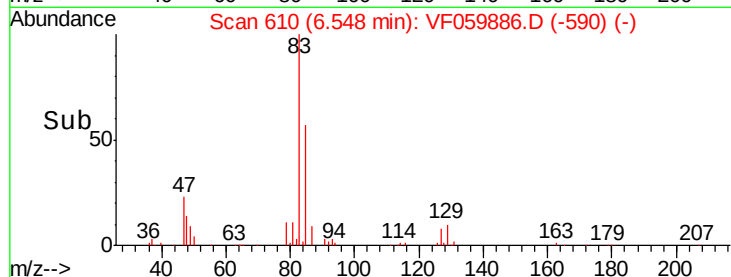
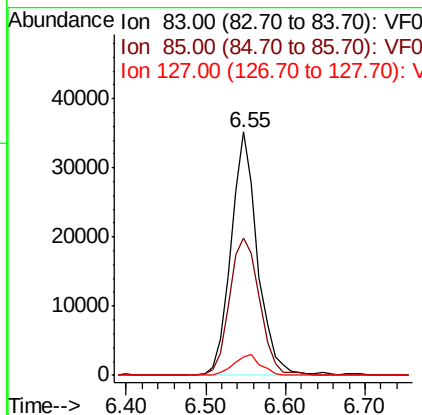
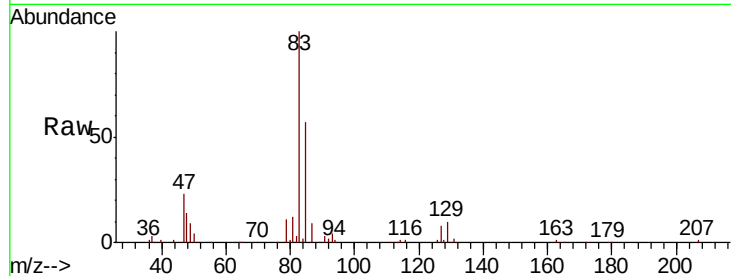
ClientSampleId :

VF0806SBSD01

Tot Ion:	83	Resp:	81761
Ion	Ratio	Lower	Upper
83	100		
85	56.6	50.7	76.1
127	8.3	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.65 ug/l

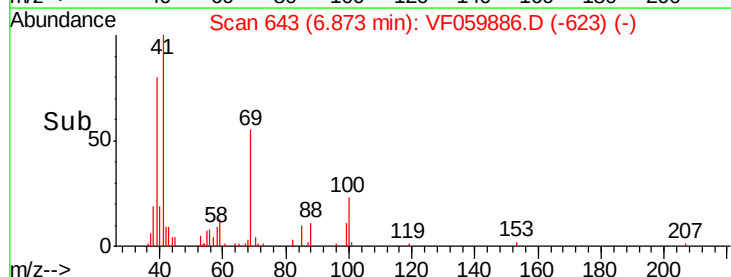
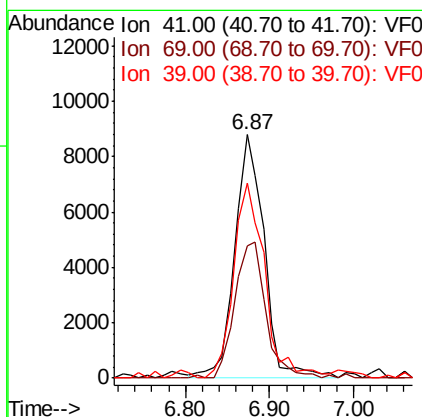
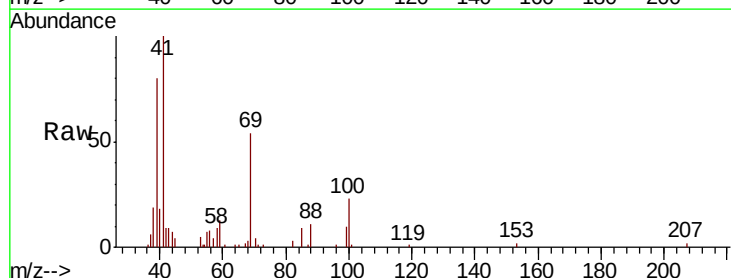
RT: 6.87 min Scan# 643

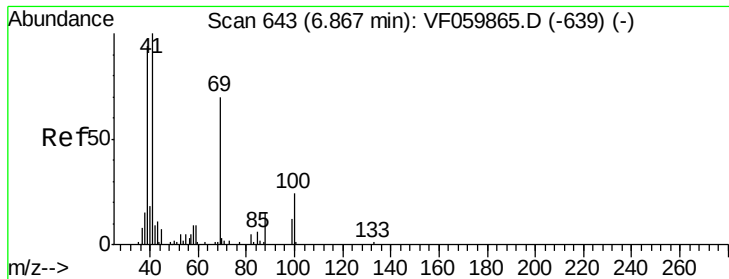
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	41	Resp:	21449
Ion	Ratio	Lower	Upper
41	100		
69	54.3	44.4	66.6
39	79.8	70.6	106.0





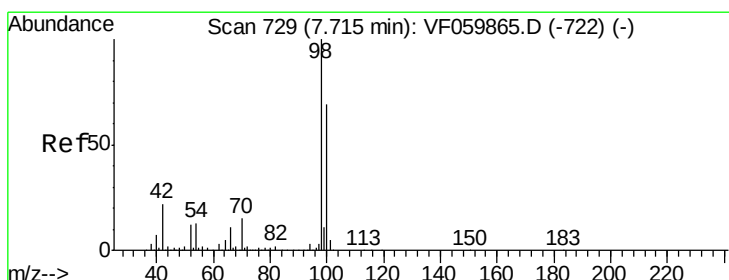
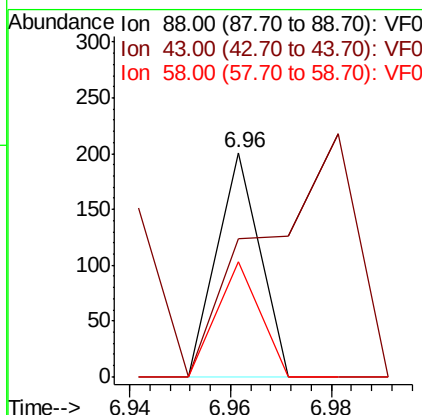
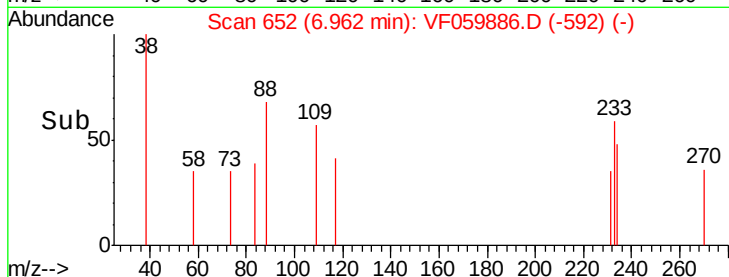
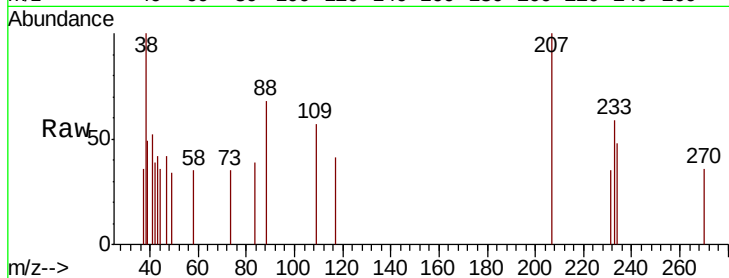
#49
1,4-Dioxane
Concen: 95.10 ug/l
RT: 6.96 min Scan# 652
Delta R.T. 0.09 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	61.7	58.3	87.5
58	51.2	49.4	74.2

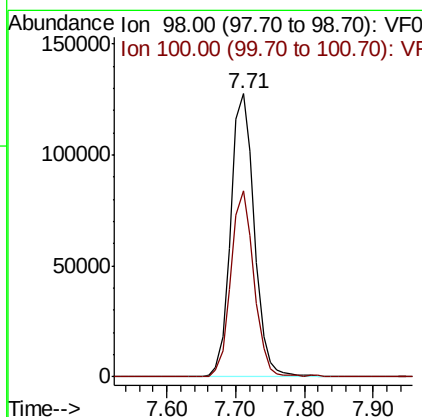
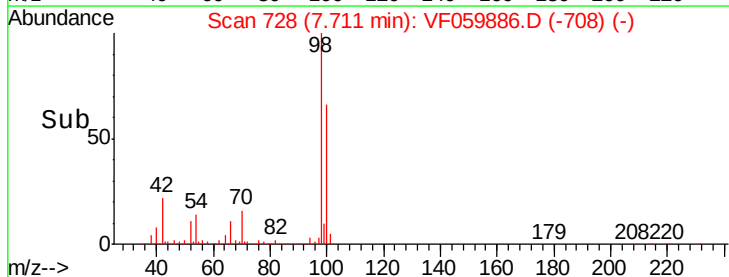
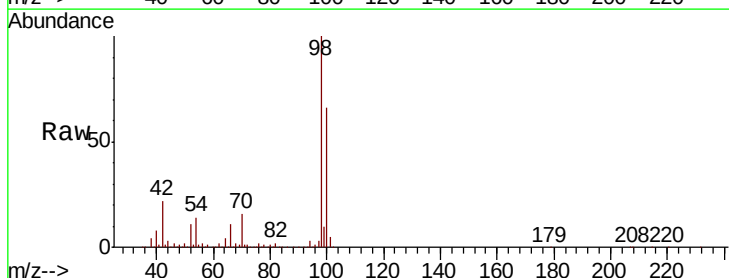
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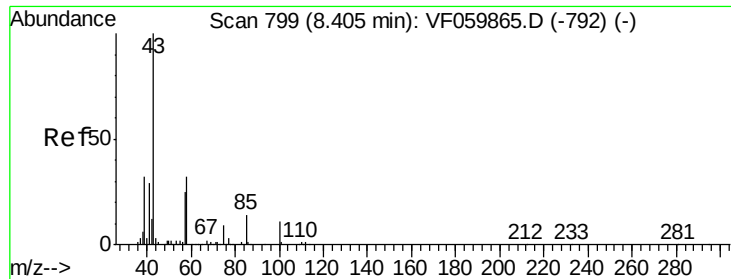
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#50
Toluene-d8
Concen: 54.96 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 105.60 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBSD01

Tot Ion: 43 Resp: 144127

Ion Ratio Lower Upper

43 100

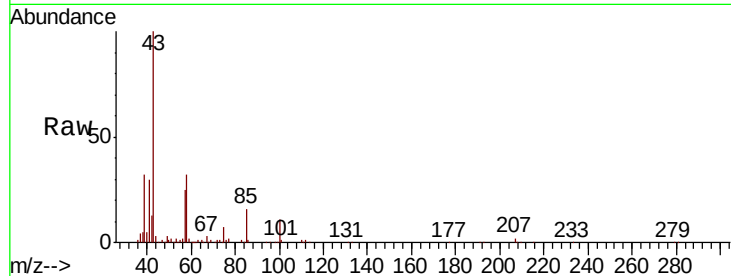
58 32.2 25.4 38.0

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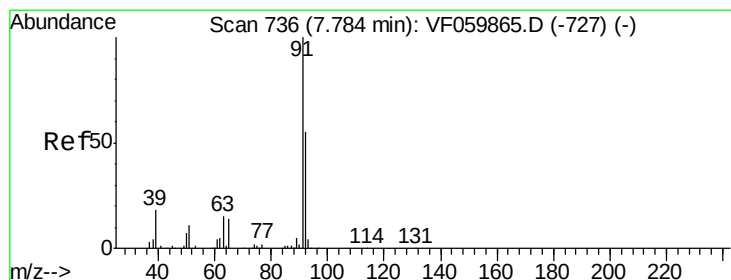
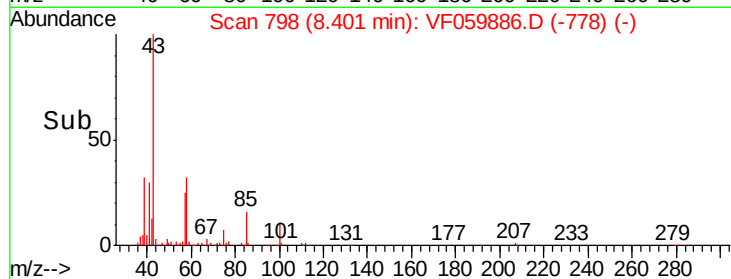
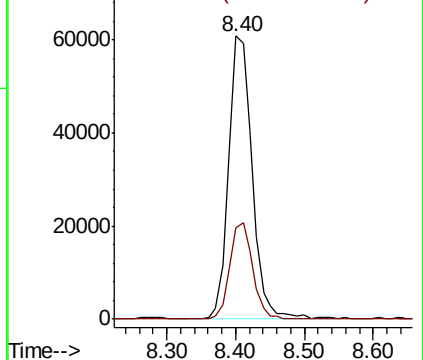
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.68 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059886.D

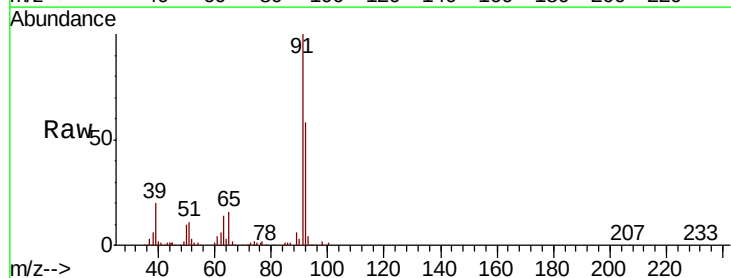
Acq: 6 Aug 2018 20:07

Tgt Ion: 92 Resp: 82677

Ion Ratio Lower Upper

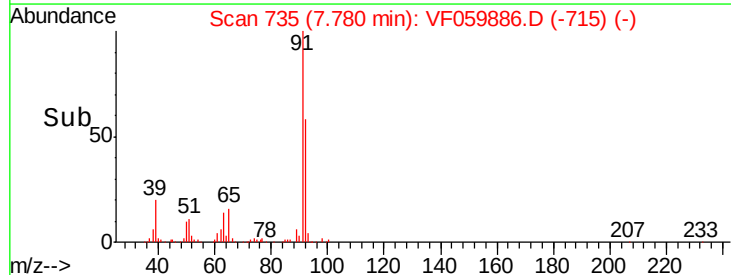
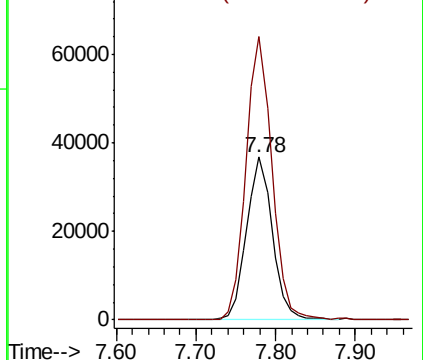
92 100

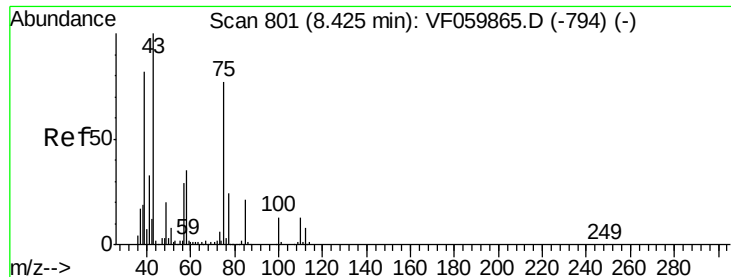
91 173.6 145.7 218.5



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: 22.44 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBSD01

Tot Ion: 75 Resp: 65263

Ion Ratio Lower Upper

75 100

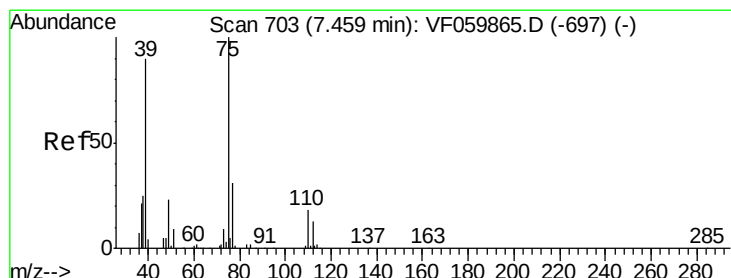
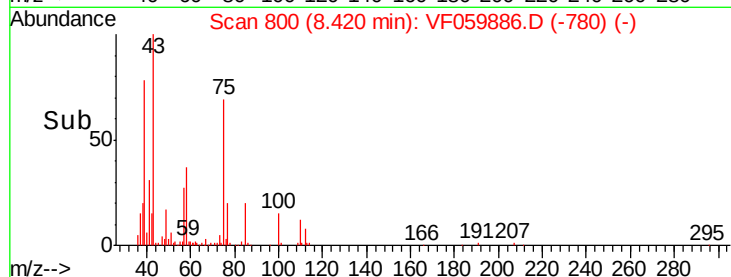
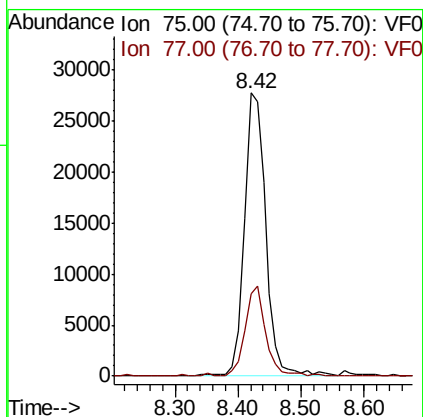
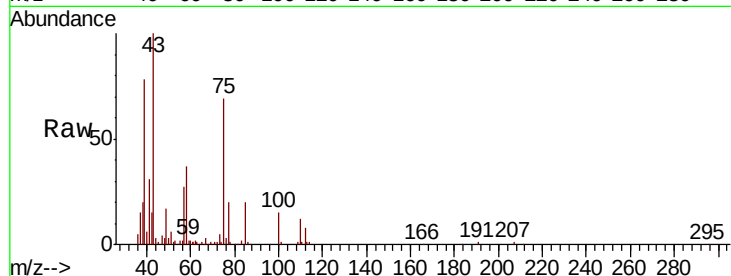
77 29.2 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 22.06 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

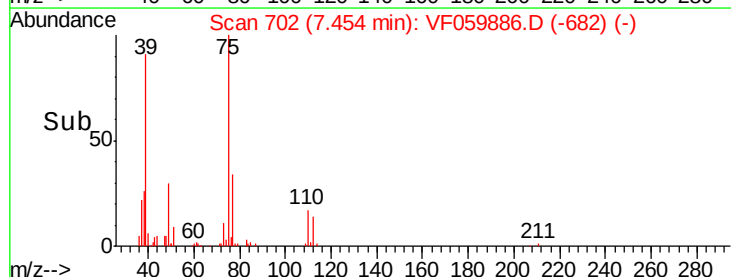
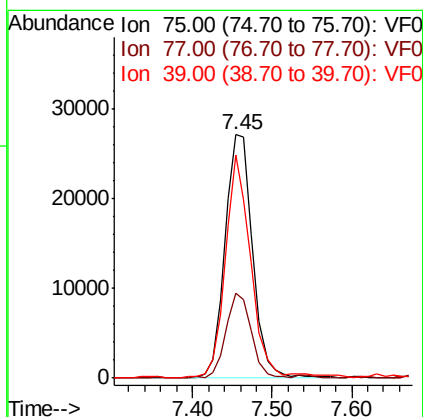
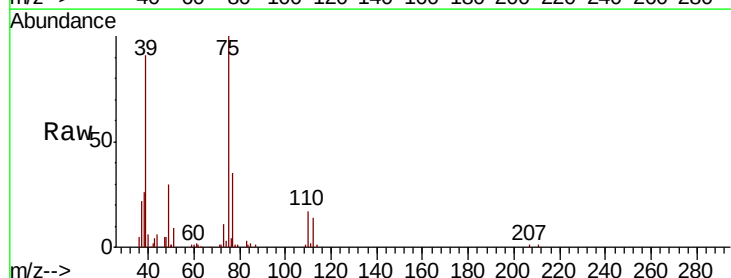
Tgt Ion: 75 Resp: 66226

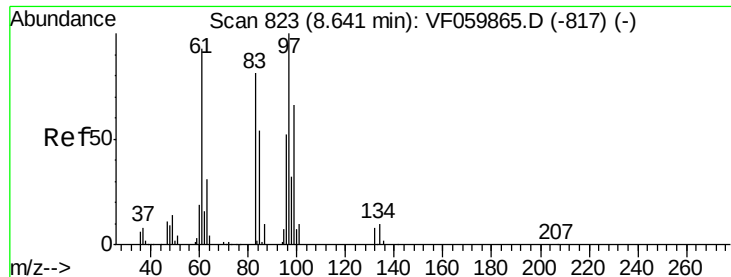
Ion Ratio Lower Upper

75 100

77 34.8 24.7 37.1

39 91.4 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 20.61 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

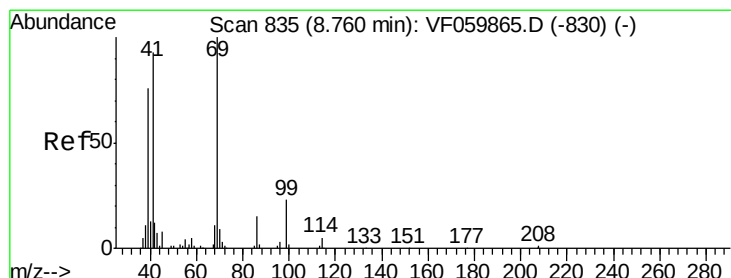
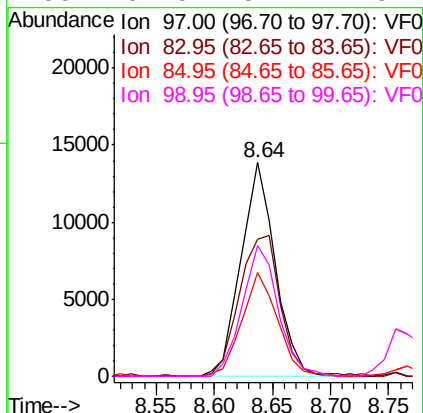
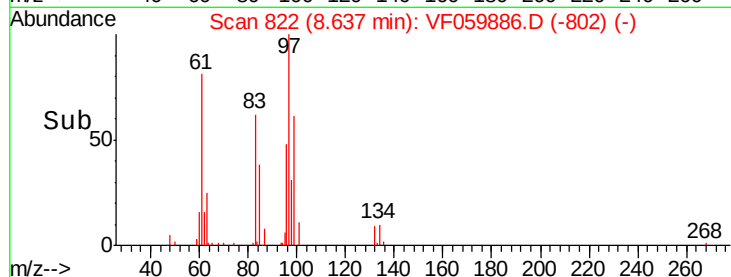
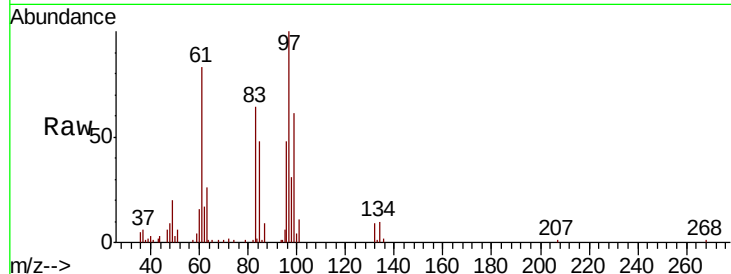
ClientSampleId :

VF0806SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		28296		
83	64.2	64.4	96.6#		
85	48.4	43.1	64.7		
99	61.0	52.7	79.1		

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#56

Ethyl methacrylate

Concen: 20.55 ug/l

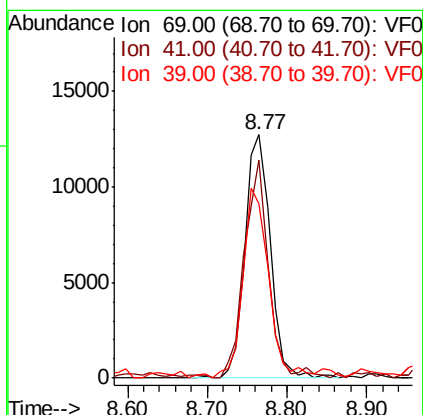
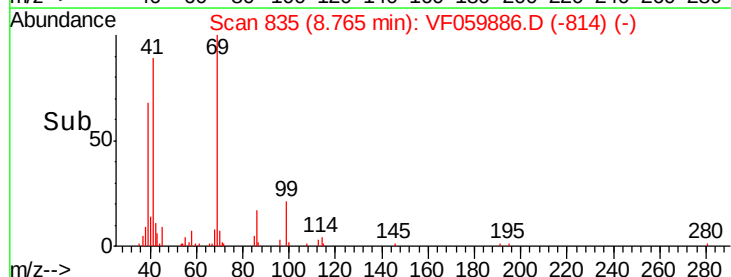
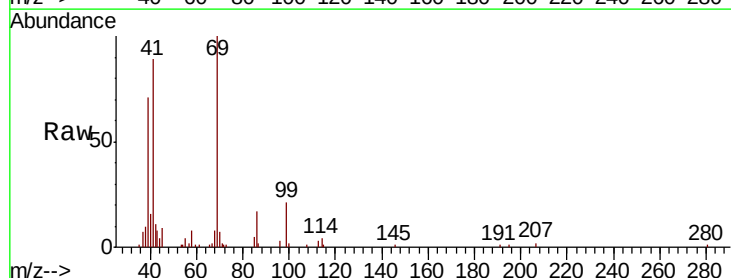
RT: 8.77 min Scan# 835

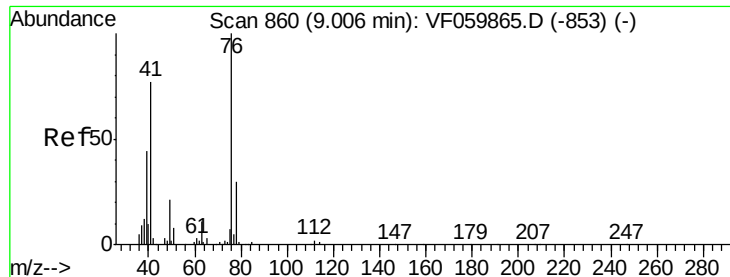
Delta R.T. 0.01 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		27746		
41	89.5	74.7	112.1		
39	71.5	61.1	91.7		





#57

1,3-Dichloropropane

Concen: 20.45 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBSD01

Tot Ion: 76 Resp: 48193

Ion Ratio Lower Upper

76 100

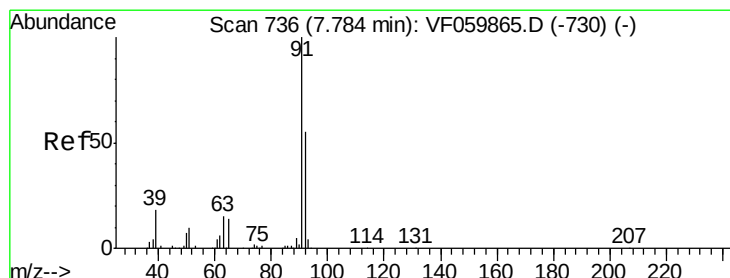
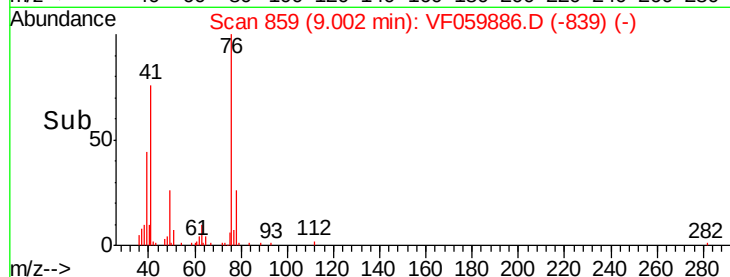
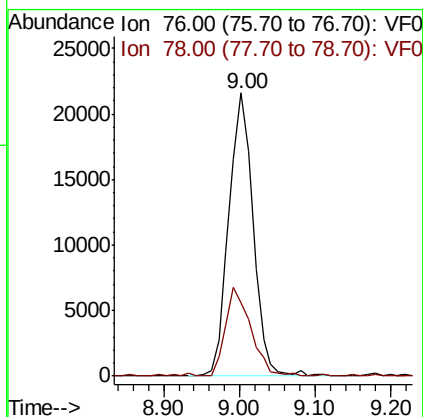
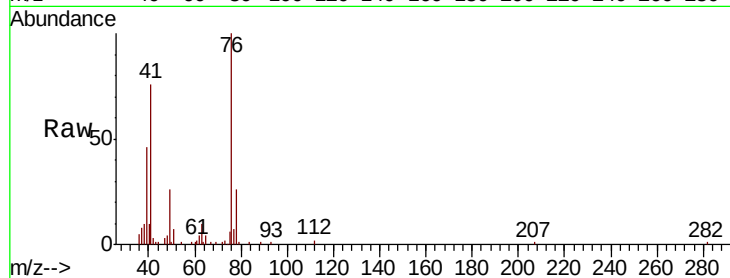
78 26.1 24.2 36.2

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#58

2-Chloroethyl Vinyl ether

Concen: 113.75 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059886.D

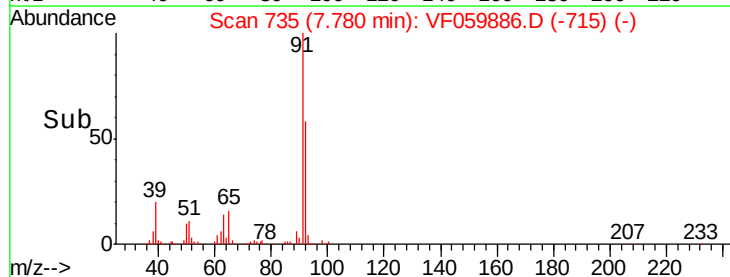
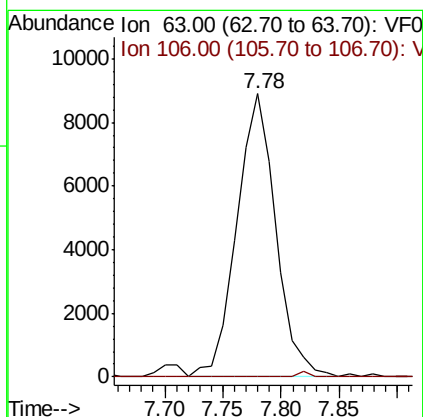
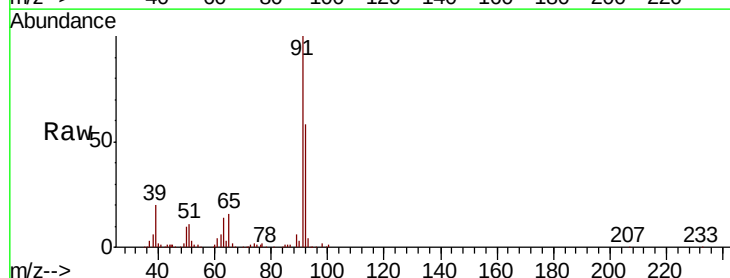
Acq: 6 Aug 2018 20:07

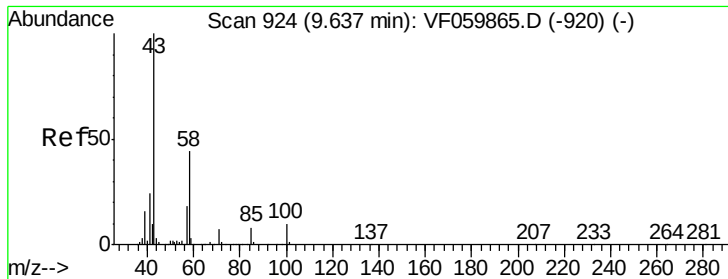
Tgt Ion: 63 Resp: 20657

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





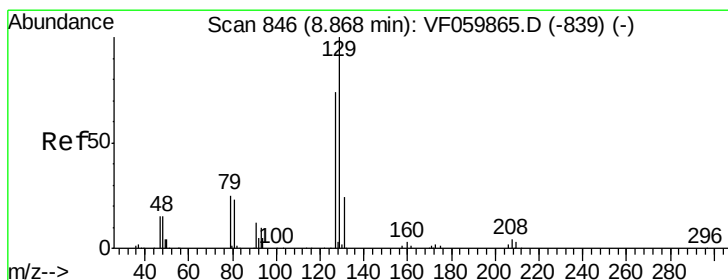
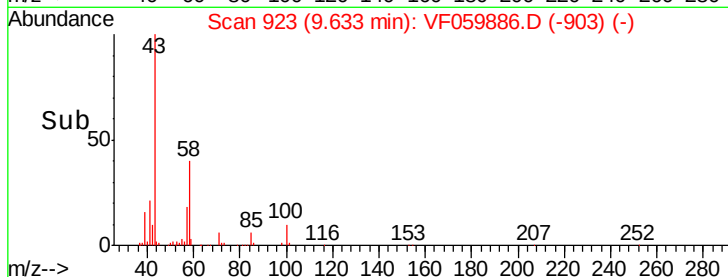
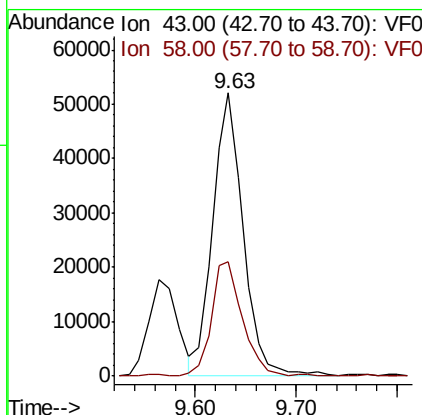
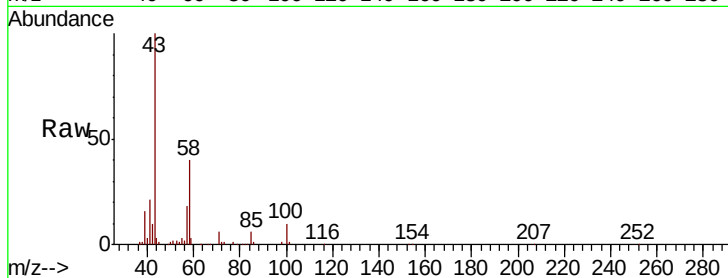
#59
2-Hexanone
Concen: 112.43 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	43	Resp	108398
Ion Ratio	43	100	
Lower	58	40.4	20.8
Upper			62.2

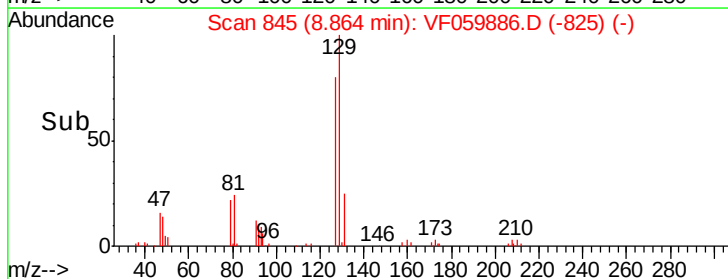
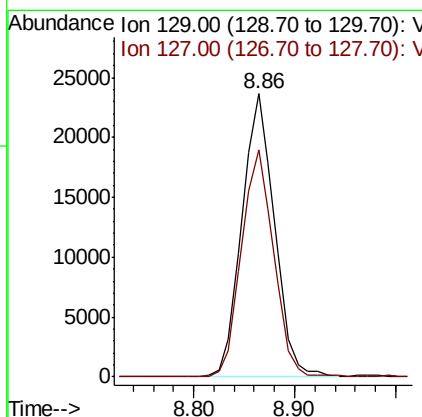
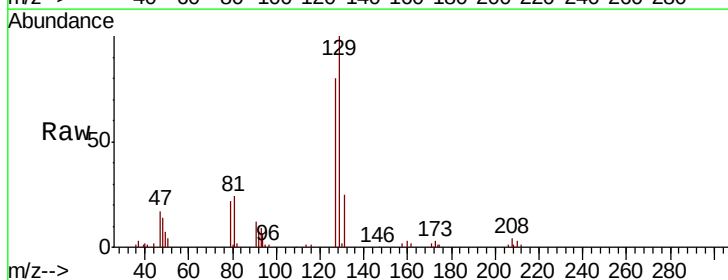
Manual Integrations
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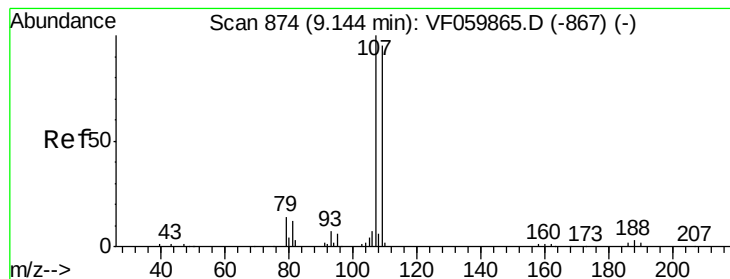
apatel
8/7/2018 10:46:56 AM



#60
Dibromochloromethane
Concen: 20.67 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	129	Resp	53238
Ion Ratio	129	100	
Lower	127	80.4	36.9
Upper			110.7





#61

1,2-Dibromoethane

Concen: 20.58 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBSD01

Tot Ion:107 Resp: 34414

Ion Ratio Lower Upper

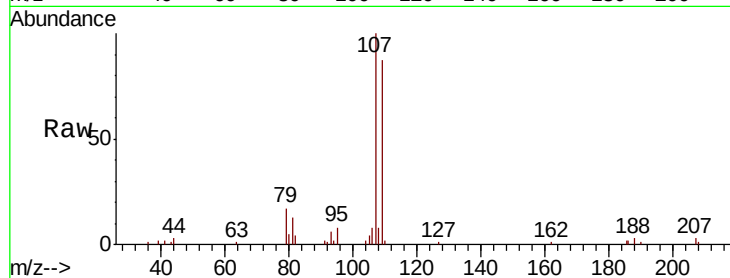
107 100

109 86.6 75.8 113.8

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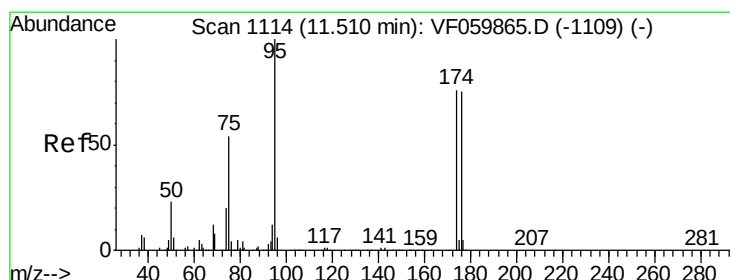
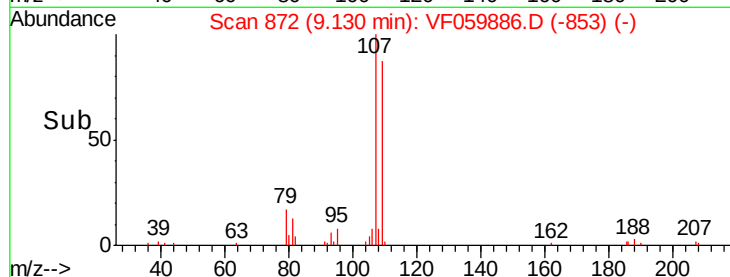
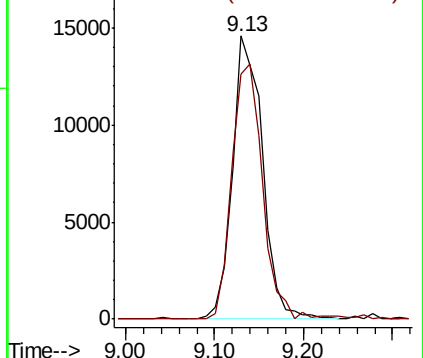
apatel

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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: 56.31 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

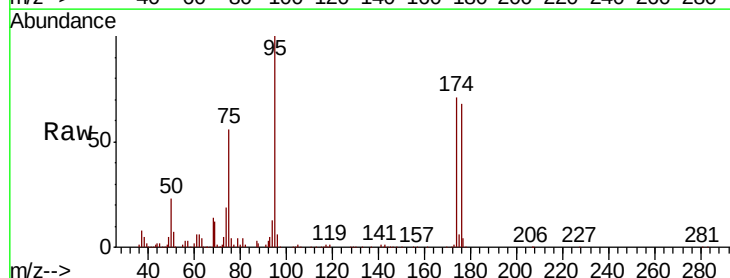
Tgt Ion: 95 Resp: 174842

Ion Ratio Lower Upper

95 100

174 70.8 0.0 151.6

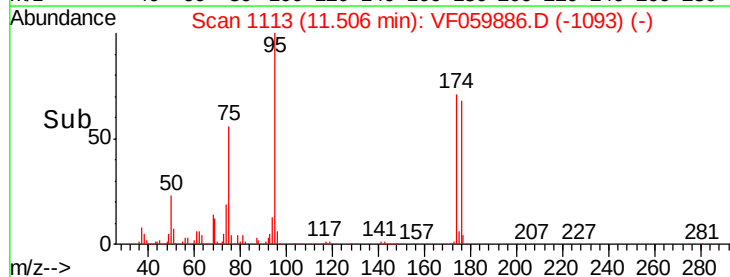
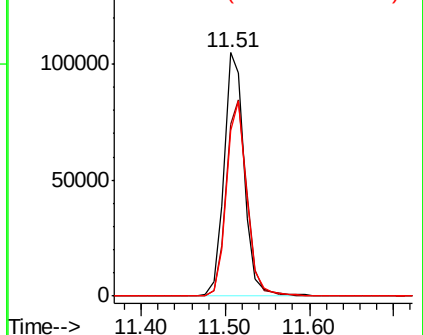
176 68.1 0.0 149.8

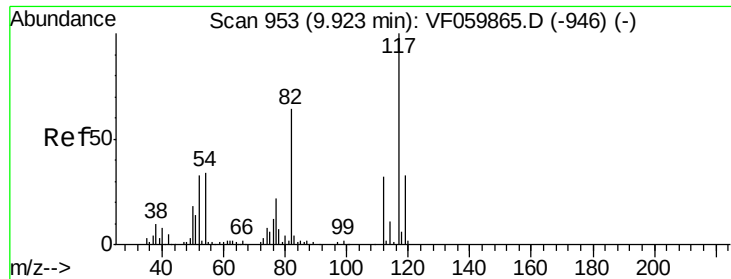


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





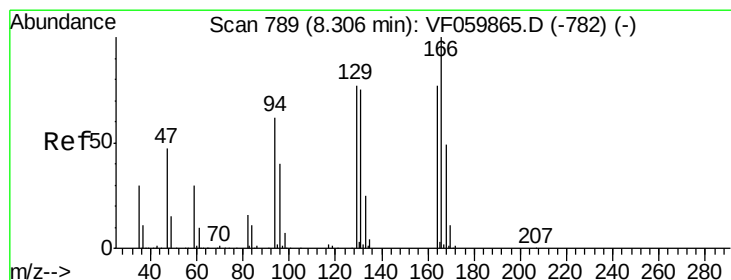
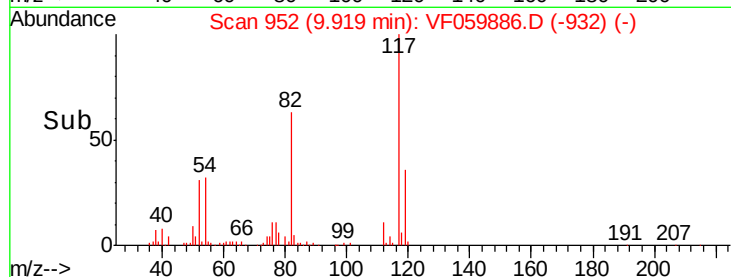
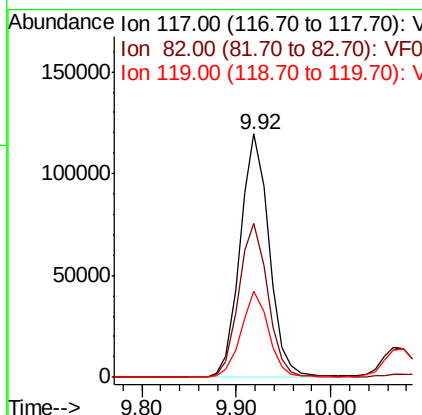
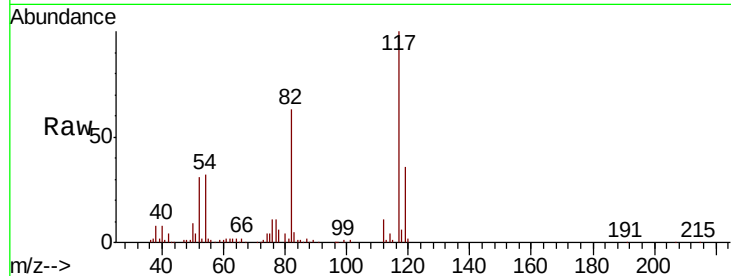
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254898		
82	63.3		51.3	76.9
119	35.6		26.4	39.6

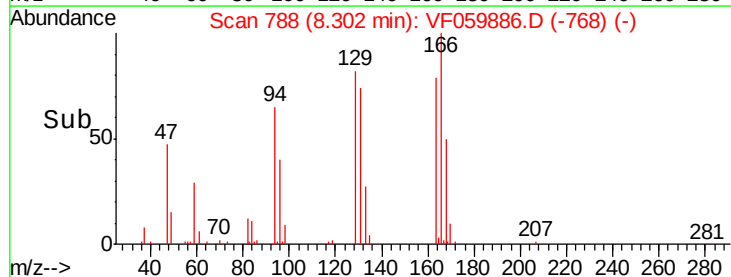
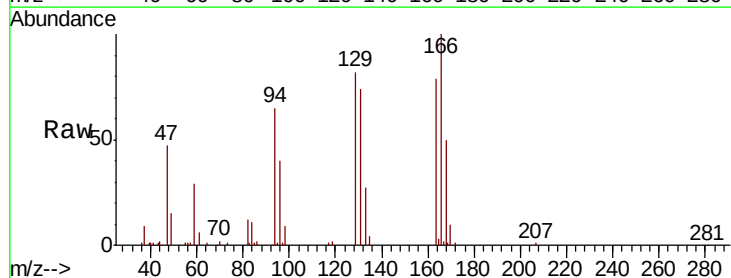
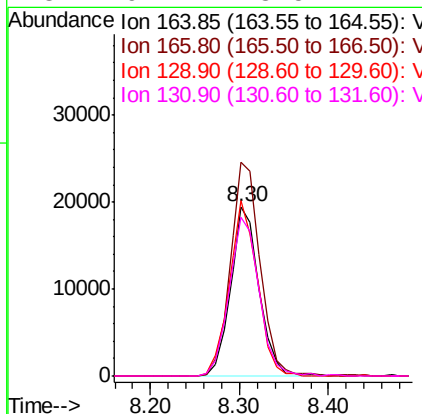
Manual Integrations
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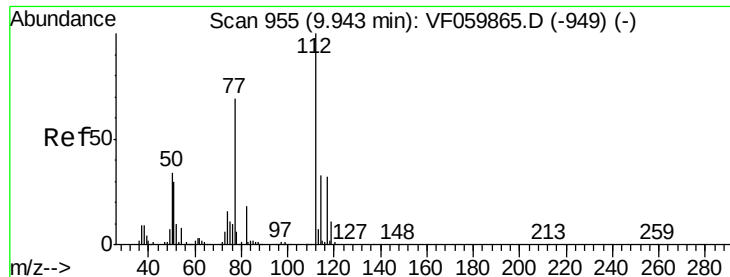
apatel
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#64
Tetrachloroethene
Concen: 19.70 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43316		
166	126.3		104.4	156.6
129	104.1		80.3	120.5
131	94.1		78.5	117.7





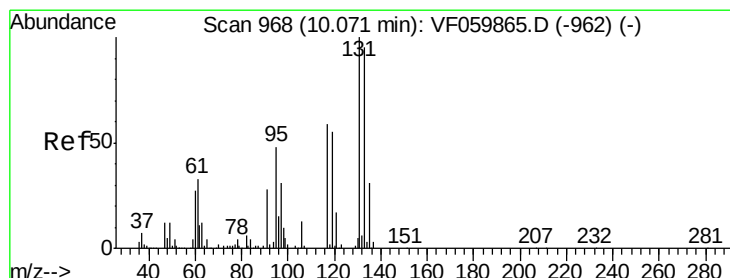
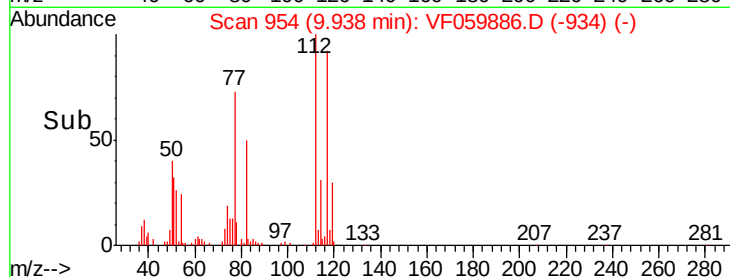
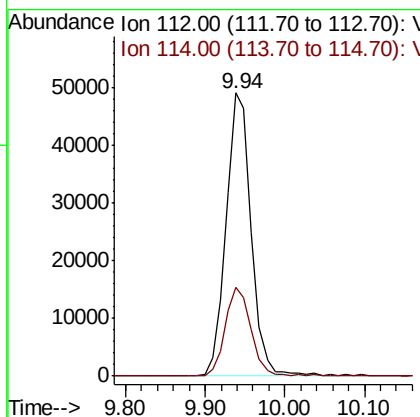
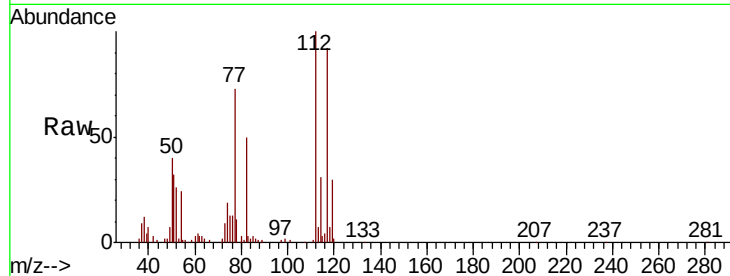
#65
Chlorobenzene
Concen: 21.10 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	109155		
114	31.5	26.4	39.6	

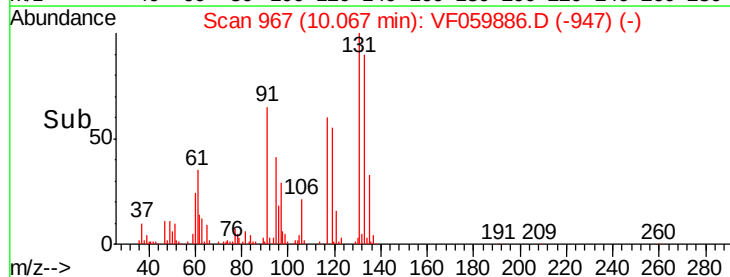
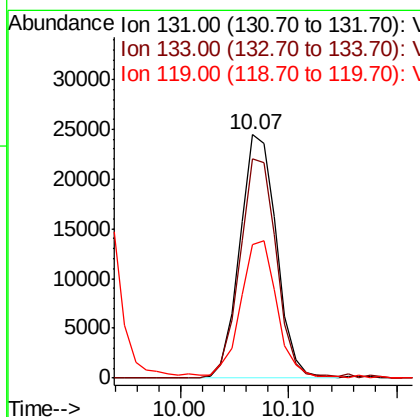
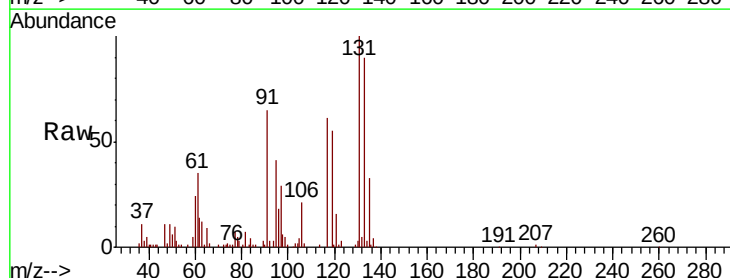
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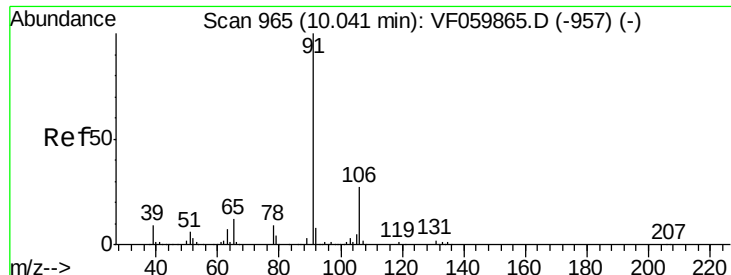
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.35 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	57516		
133	90.2	47.4	142.2	
119	54.9	27.7	83.1	





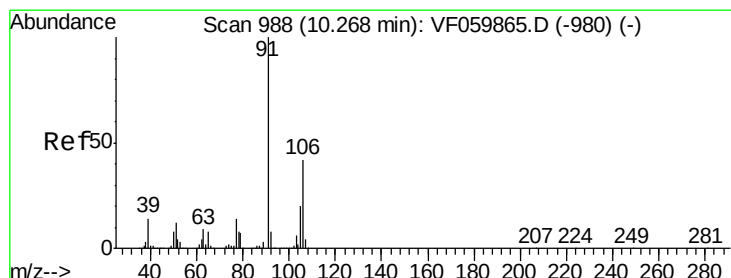
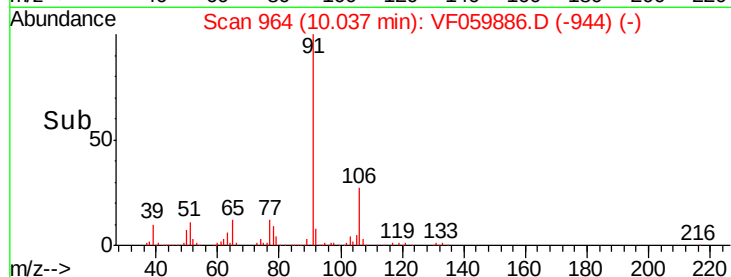
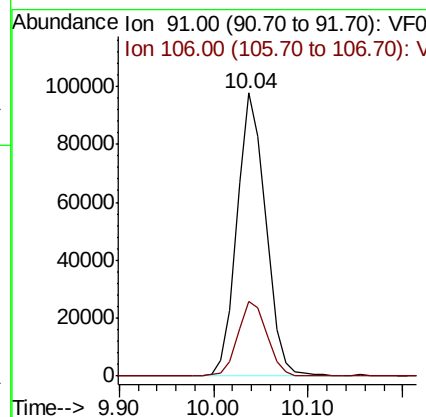
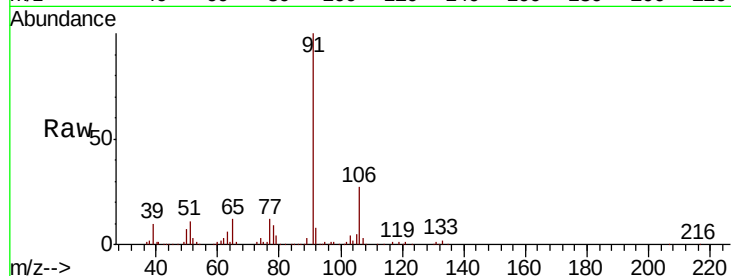
#67
Ethyl Benzene
Concen: 22.80 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	91	Resp	205507
Ion	Ratio	Lower	Upper
91	100		
106	26.6	21.5	32.3

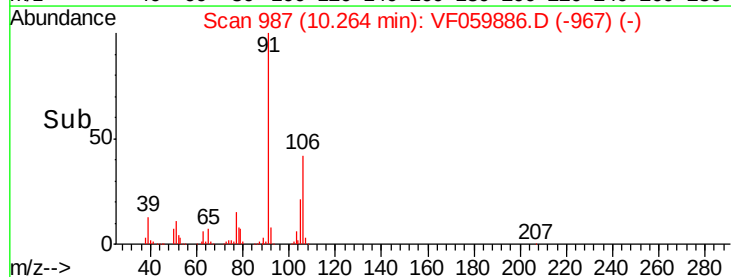
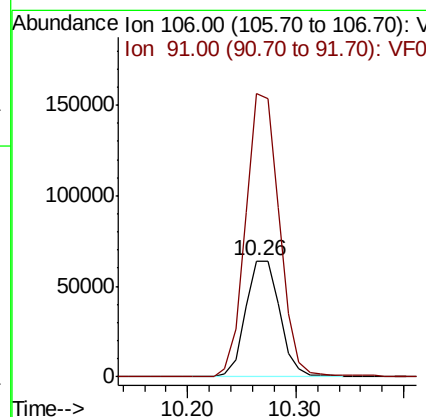
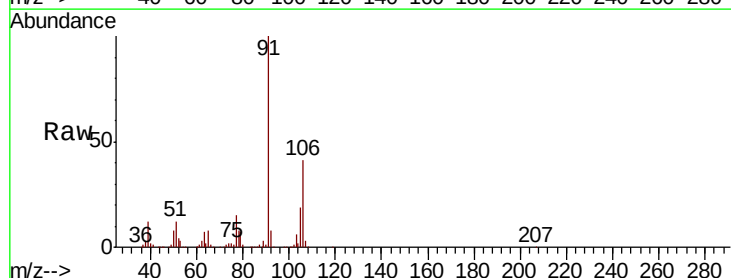
Manual Integrations
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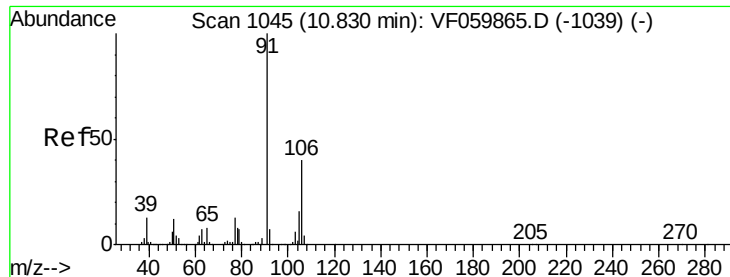
apatel
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#68
m/p-Xylenes
Concen: 45.46 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	106	Resp	141633
Ion	Ratio	Lower	Upper
106	100		
91	243.5	192.1	288.1





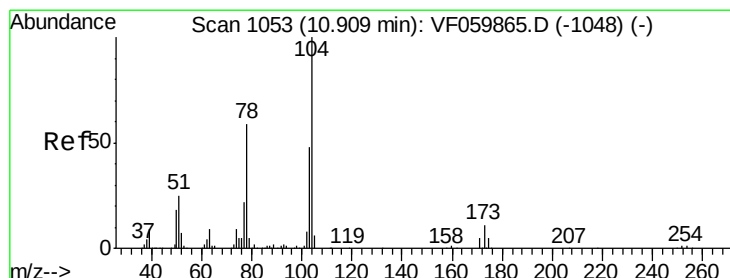
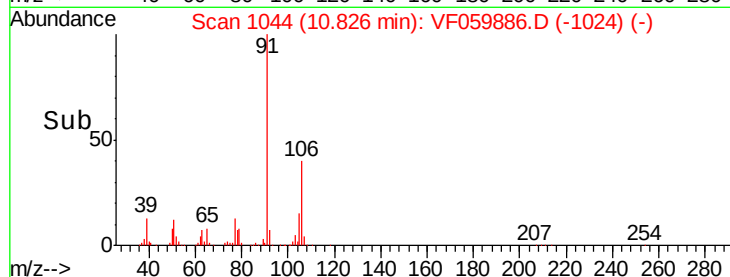
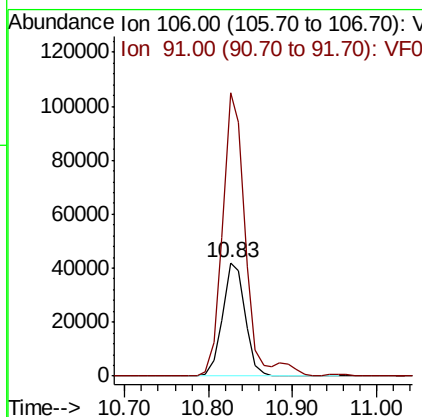
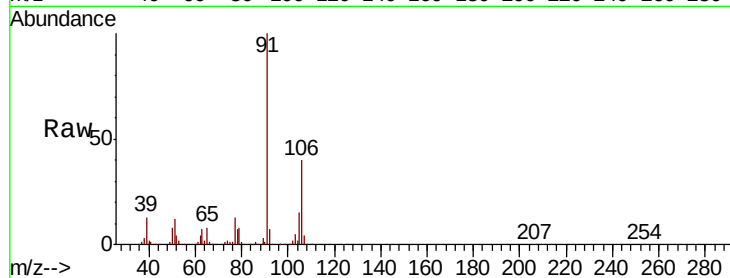
#69
o-Xylene
Concen: 23.97 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion:106 Resp: 79115
Ion Ratio Lower Upper
106 100
91 248.9 125.4 376.2

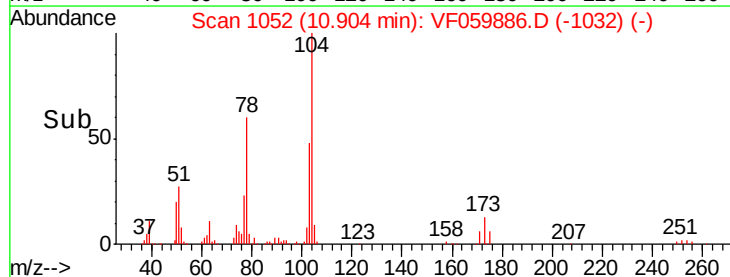
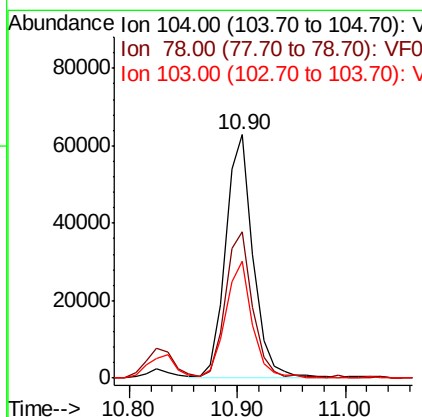
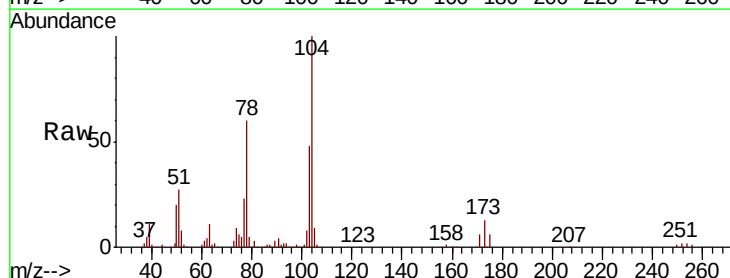
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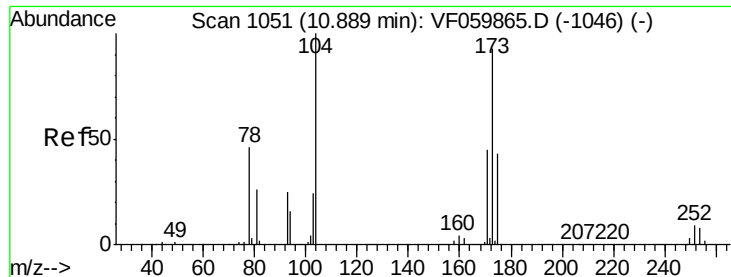
apatel
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#70
Styrene
Concen: 22.29 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion:104 Resp: 109810
Ion Ratio Lower Upper
104 100
78 59.9 47.3 70.9
103 47.8 39.0 58.4





#71

Bromoform

Concen: 21.66 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

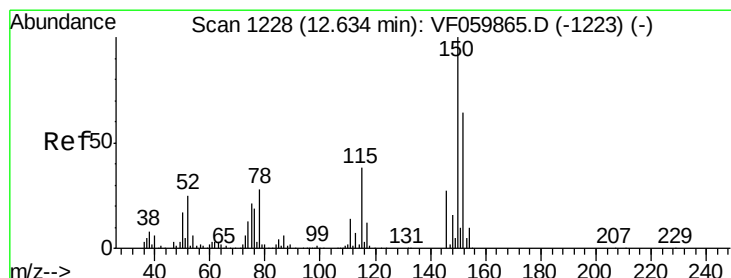
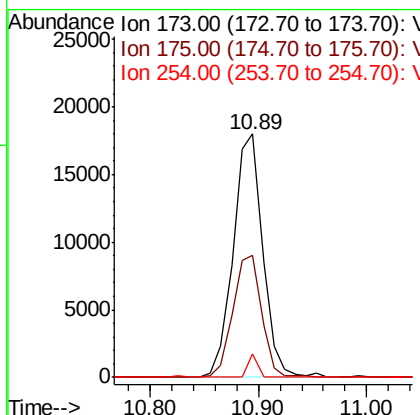
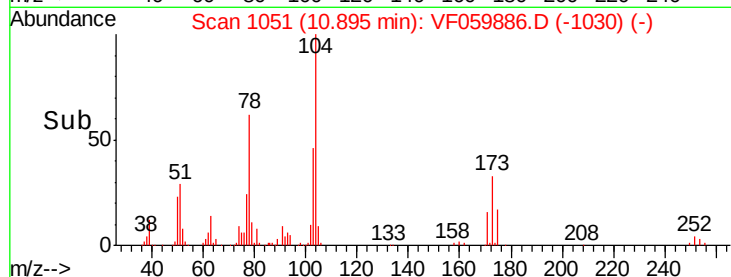
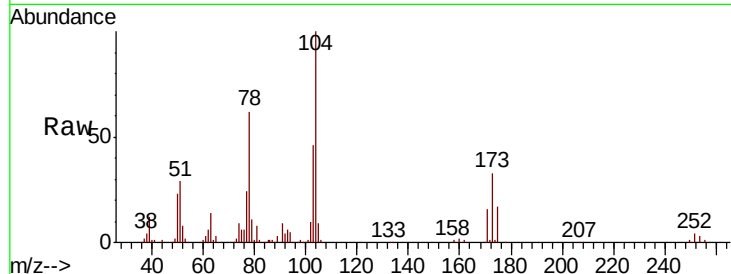
ClientSampleId :

VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.4	70.2
254	9.5	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

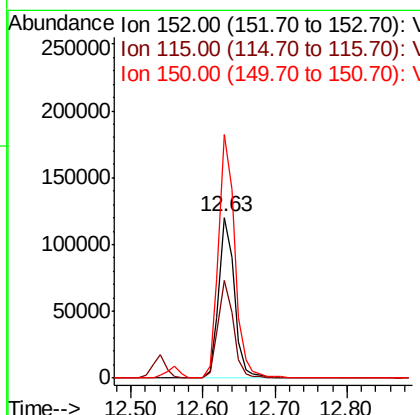
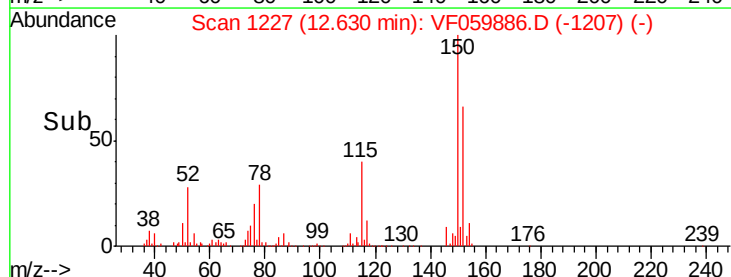
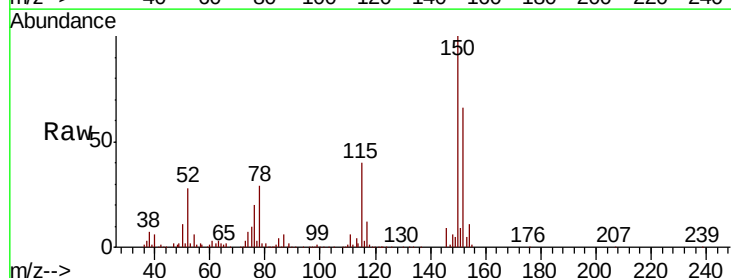
RT: 12.63 min Scan# 1227

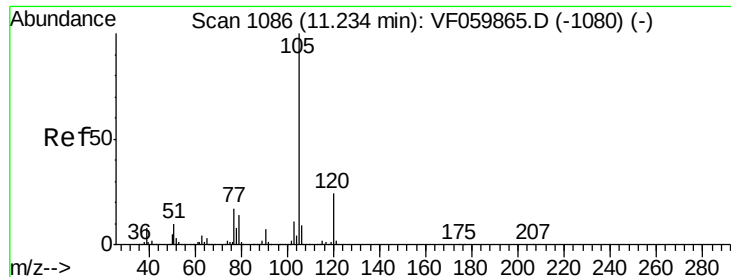
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.8	89.4
150	151.6	0.0	315.6





#73

Isopropylbenzene

Concen: 22.32 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBSD01

Tot Ion: 105 Resp: 248859

Ion Ratio Lower Upper

105 100

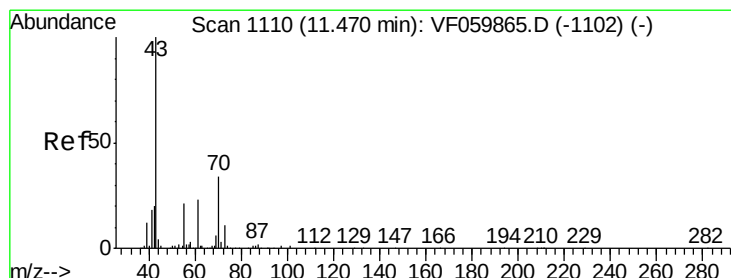
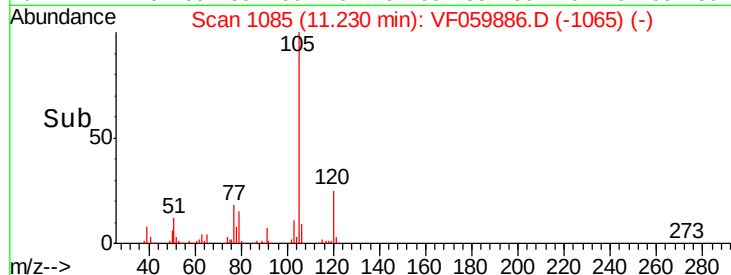
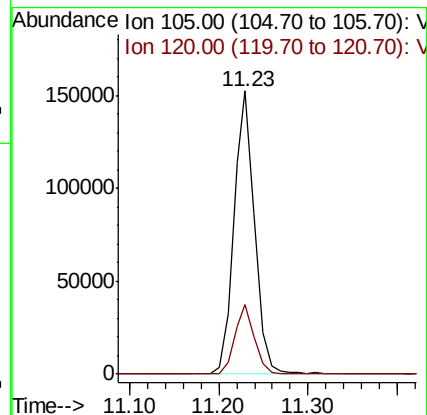
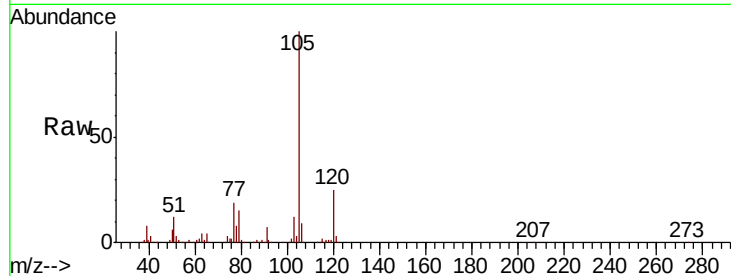
120 24.5 12.1 36.3

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#74

N-ethyl acetate

Concen: 21.43 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion: 43 Resp: 54168

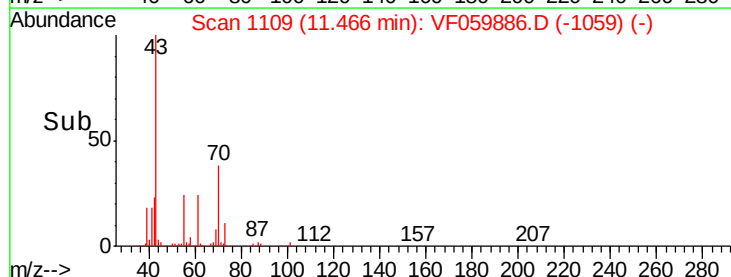
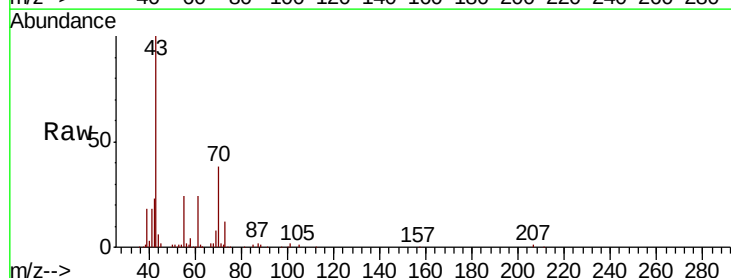
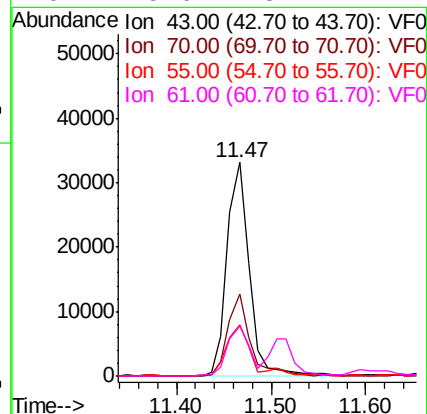
Ion Ratio Lower Upper

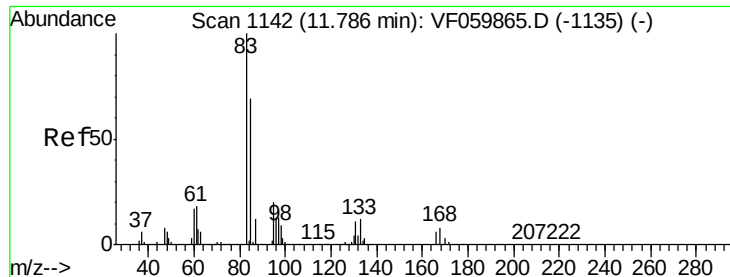
43 100

70 38.2 27.5 41.3

55 24.2 16.6 25.0

61 23.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.72 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

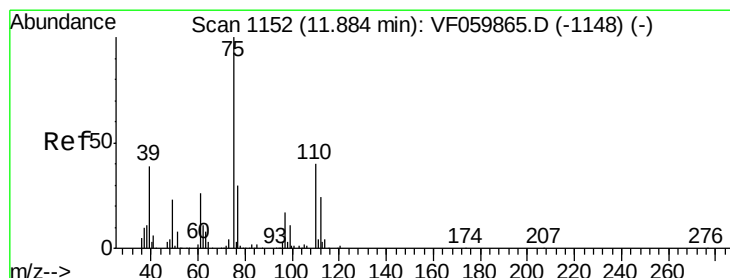
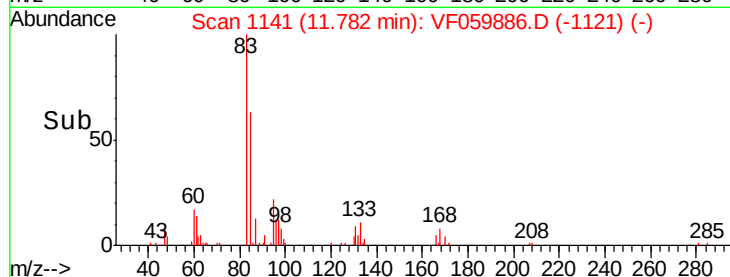
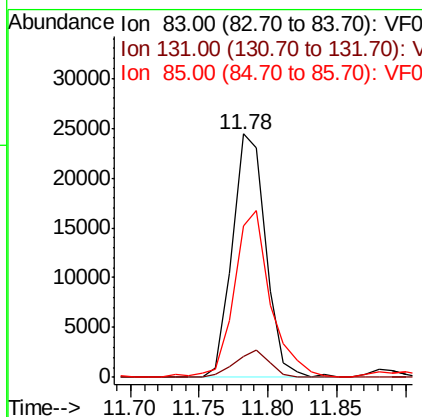
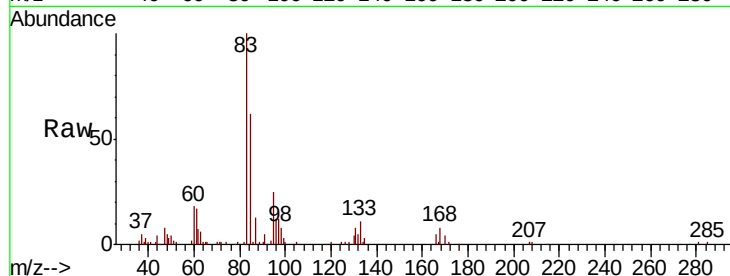
ClientSampleId :

VF0806SBSD01

Tot Ion:	83	Resp:	41291
Ion Ratio	Lower	Upper	
83	100		
131	8.5	5.3	15.9
85	62.1	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 19.60 ug/l

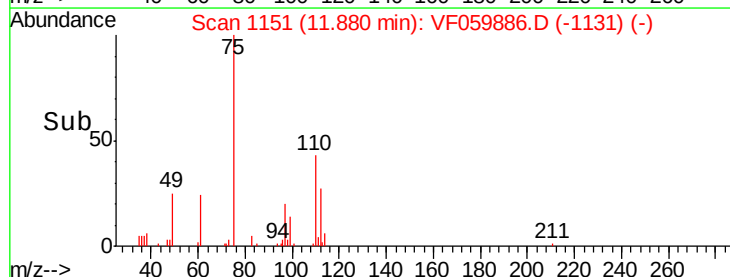
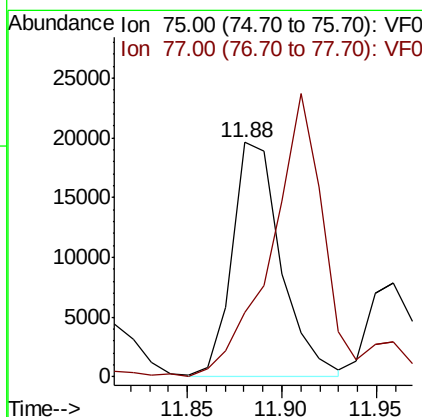
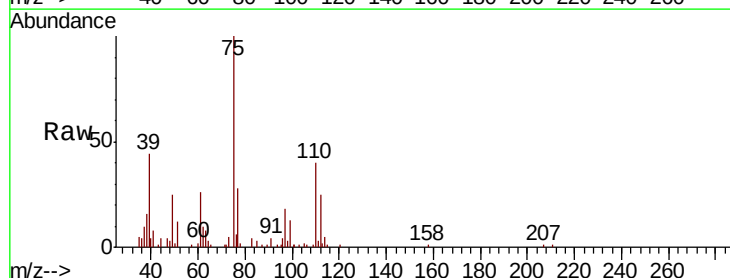
RT: 11.88 min Scan# 1151

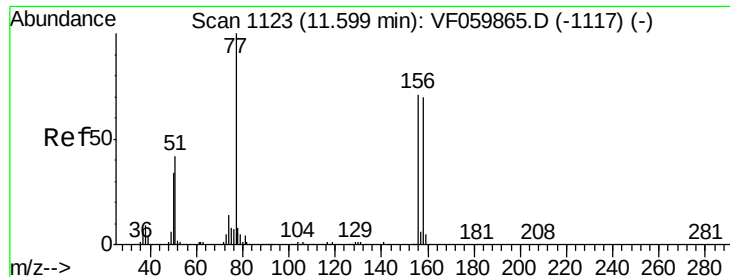
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	75	Resp:	35245
Ion Ratio	Lower	Upper	
75	100		
77	27.7	15.4	46.2





#77

Bromobenzene

Concen: 20.85 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

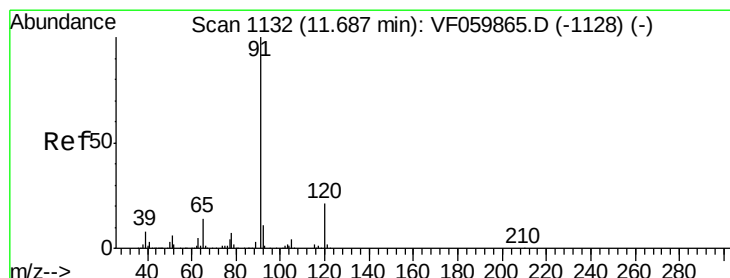
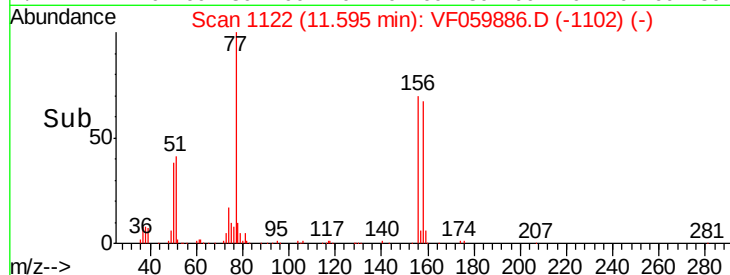
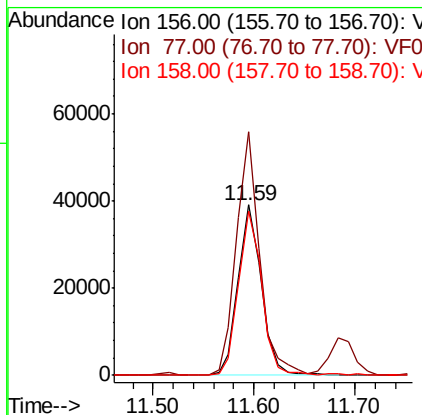
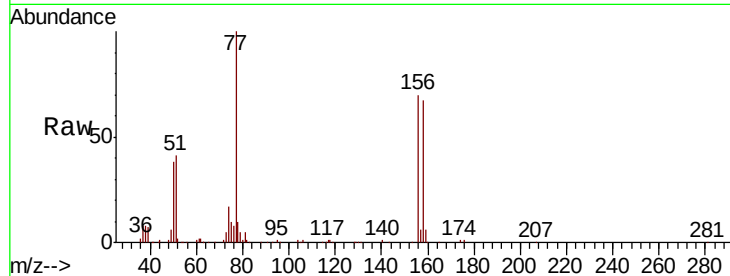
ClientSampleId :

VF0806SBSD01

Tot Ion:	156	Resp:	63238
Ion Ratio	Lower	Upper	
156	100		
77	142.8	70.2	210.6
158	96.3	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 22.38 ug/l

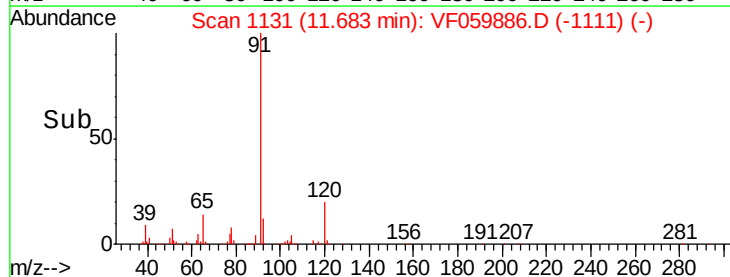
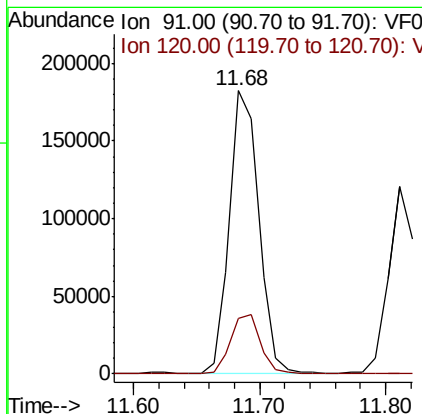
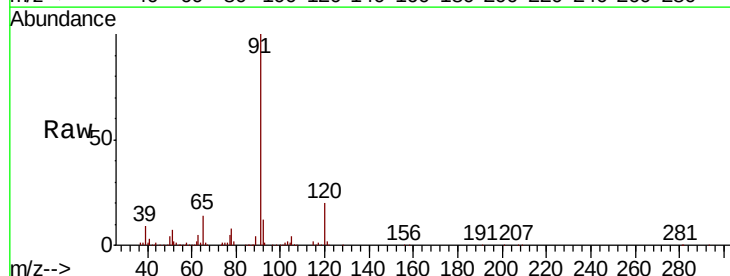
RT: 11.68 min Scan# 1131

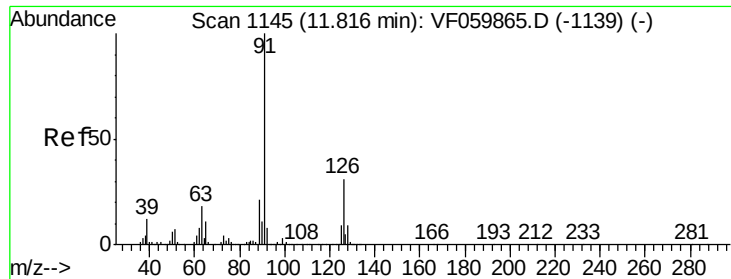
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	91	Resp:	294766
Ion Ratio	Lower	Upper	
91	100		
120	19.6	10.4	31.2





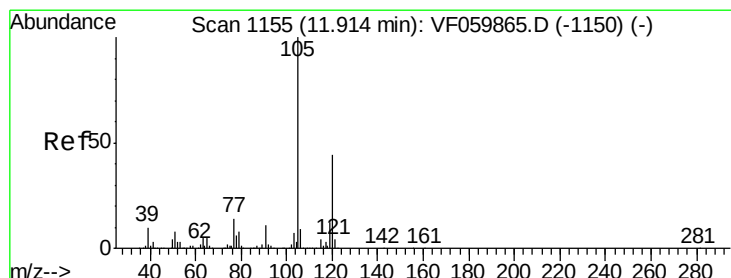
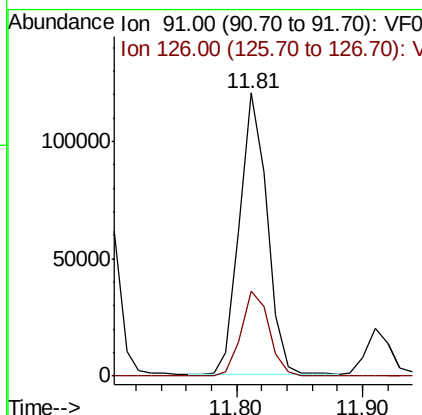
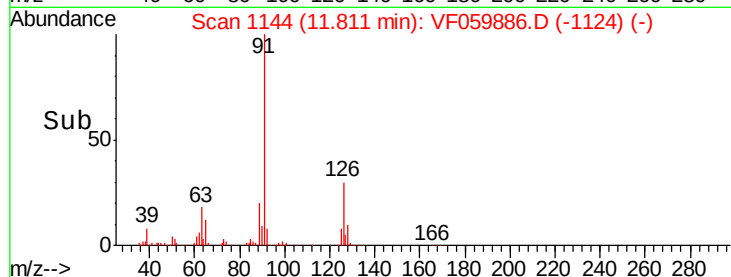
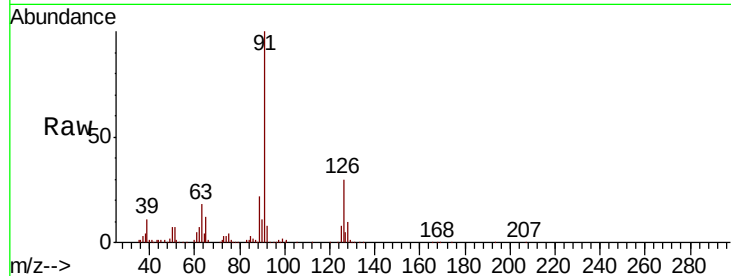
#79
2-Chlorotoluene
Concen: 21.92 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.8	15.6	46.7

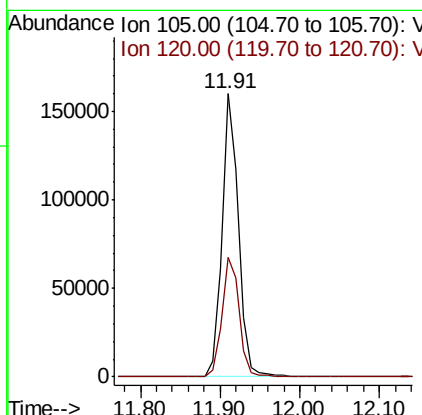
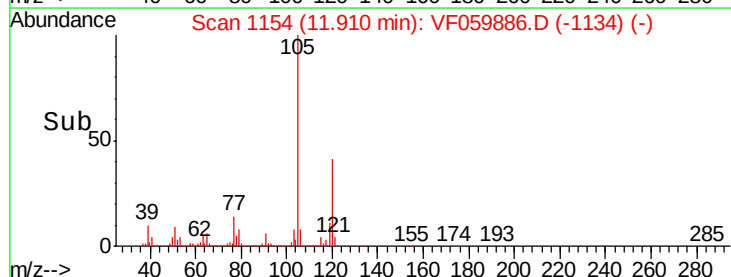
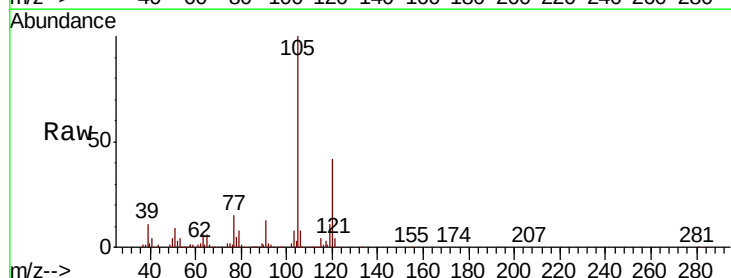
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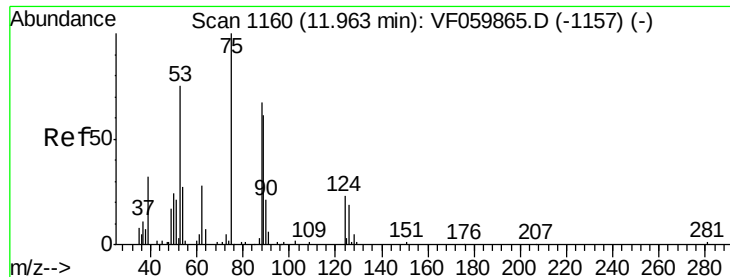
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#80
1,3,5-Trimethylbenzene
Concen: 22.53 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.9	65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 31.10 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

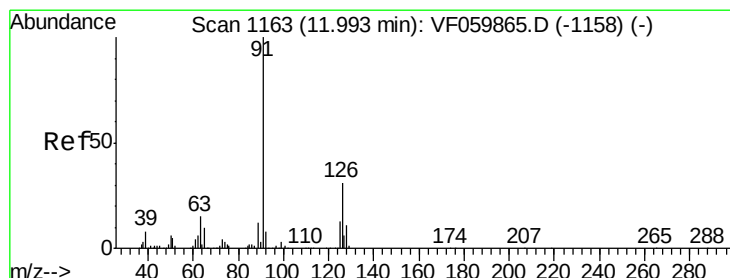
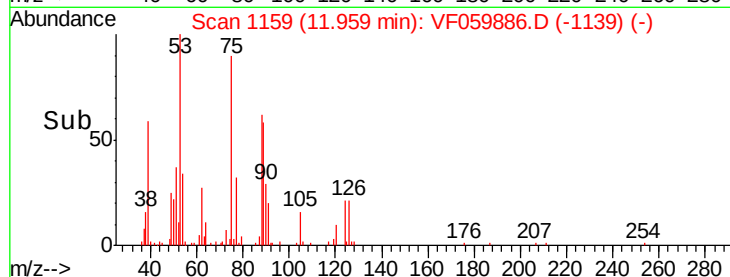
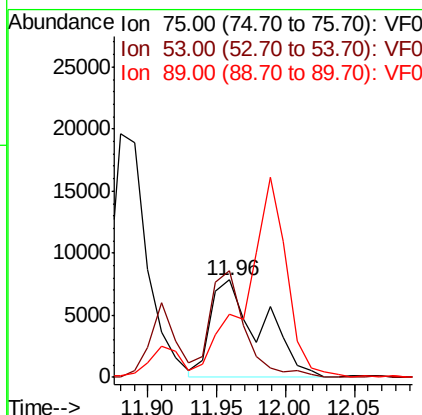
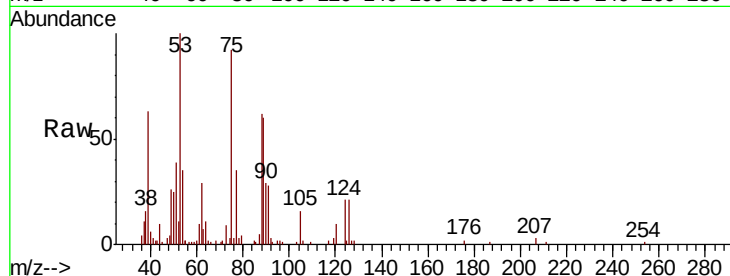
ClientSampleId :

VF0806SBSD01

Tot Ion:	75	Resp:	20090
Ion Ratio	Lower	Upper	
75	100		
53	109.2	65.9	98.9#
89	65.3	50.6	76.0

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#82

4-Chlorotoluene

Concen: 22.24 ug/l

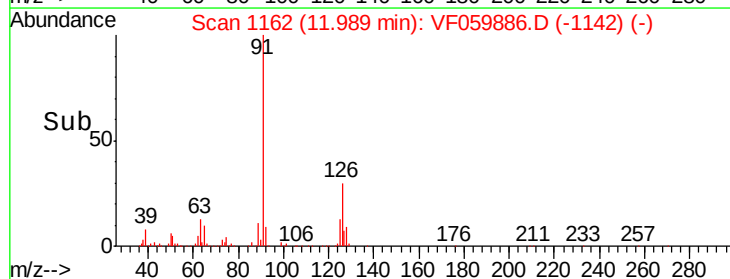
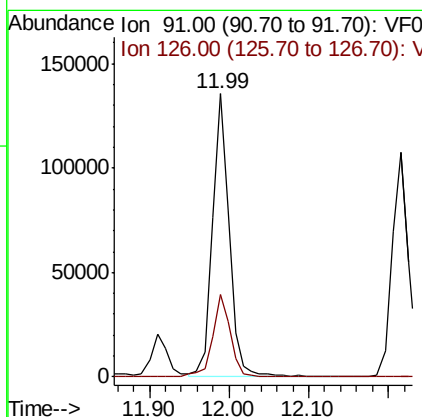
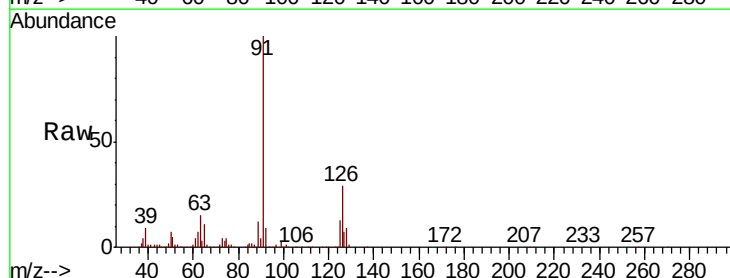
RT: 11.99 min Scan# 1162

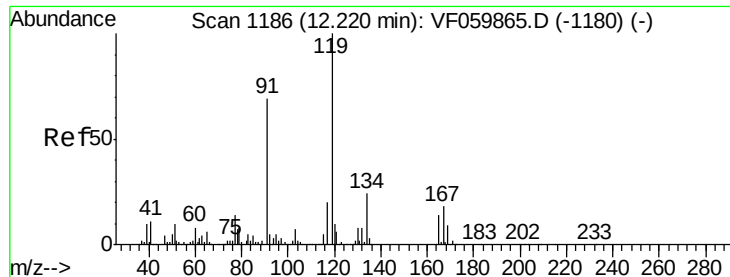
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	91	Resp:	201194
Ion Ratio	Lower	Upper	
91	100		
126	28.9	15.7	47.0





#83

tert-Butylbenzene

Concen: 22.72 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

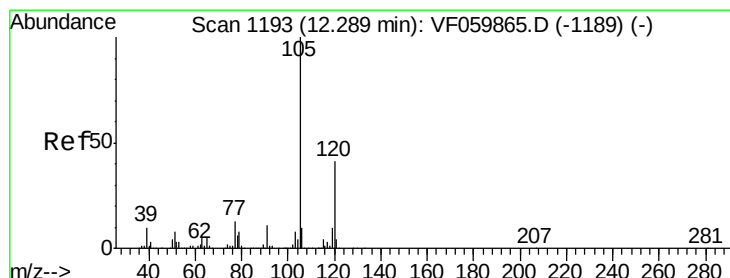
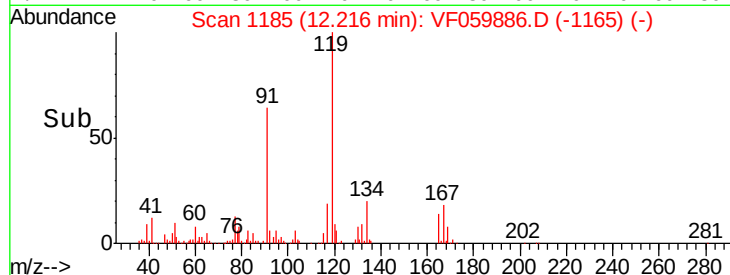
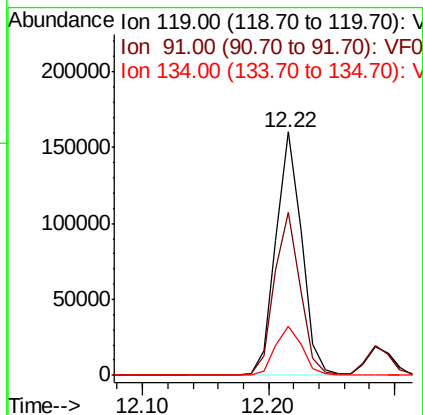
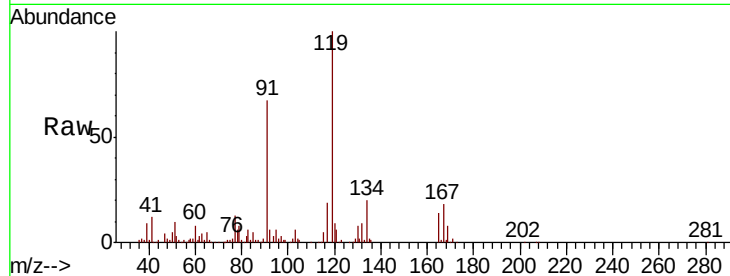
ClientSampleId :

VF0806SBSD01

Tot Ion:	119	Resp:	228992
Ion Ratio	Lower	Upper	
119	100		
91	66.9	34.4	103.2
134	20.3	12.1	36.3

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#84

1,2,4-Trimethylbenzene

Concen: 21.98 ug/l

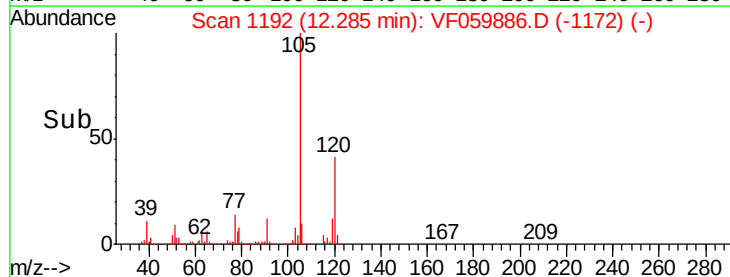
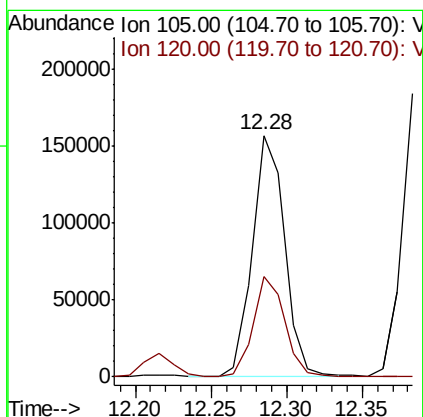
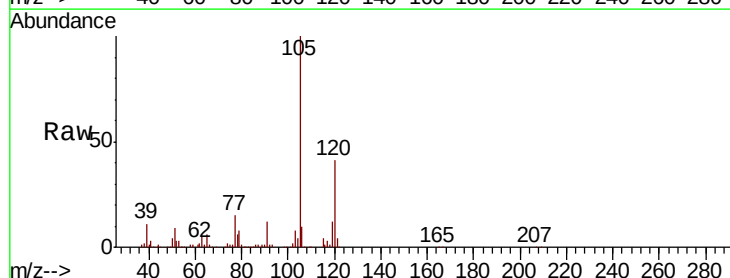
RT: 12.28 min Scan# 1192

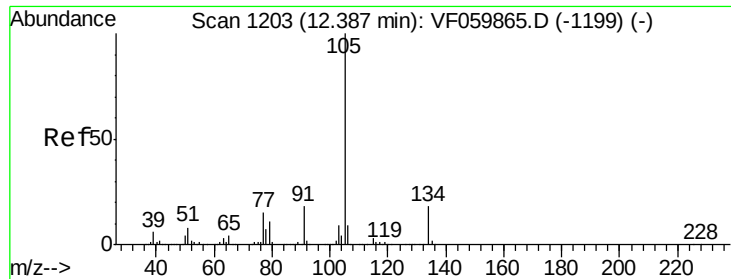
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	105	Resp:	234123
Ion Ratio	Lower	Upper	
105	100		
120	41.4	20.8	62.5





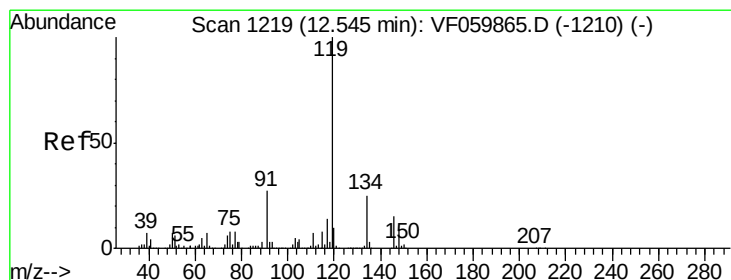
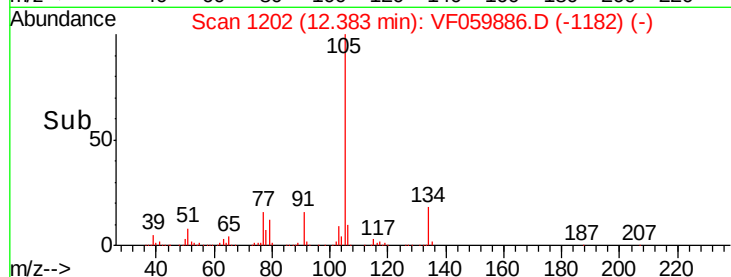
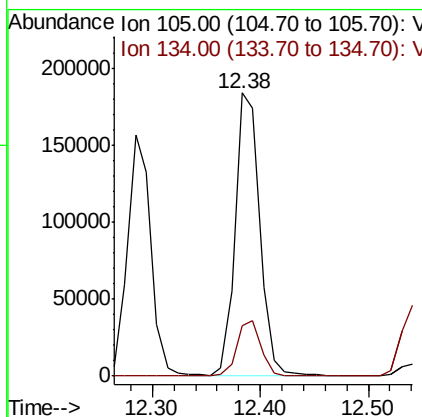
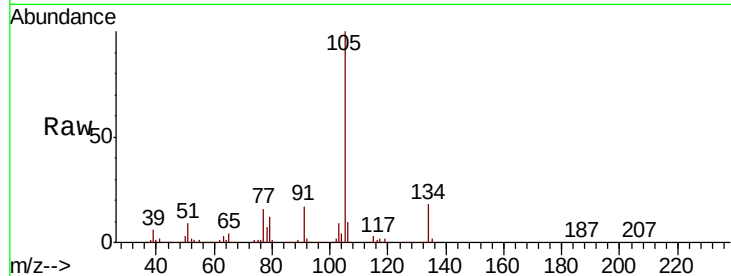
#85
 sec-Butylbenzene
 Concen: 21.70 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	290570		
134	17.7	9.1	27.3	

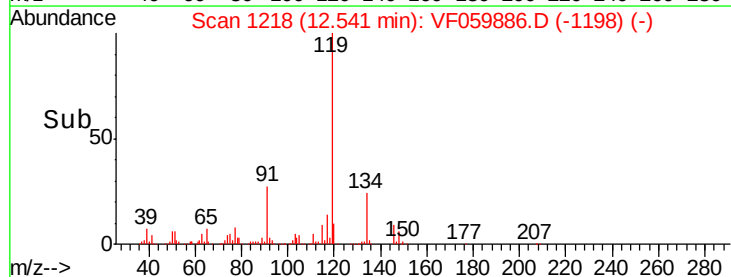
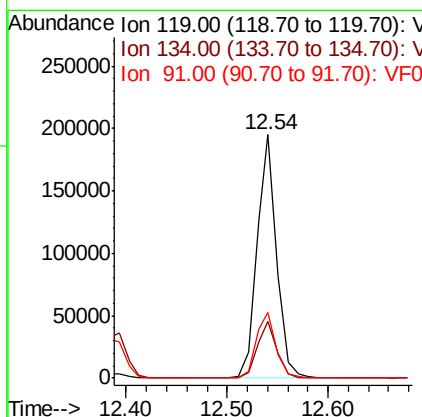
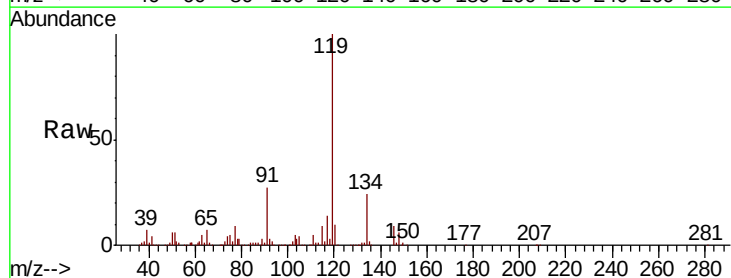
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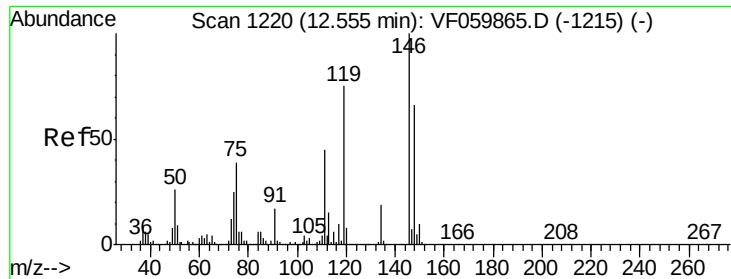
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#86
 p-Isopropyltoluene
 Concen: 23.27 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	261983		
134	23.5	12.4	37.0	
91	26.9	13.6	40.7	





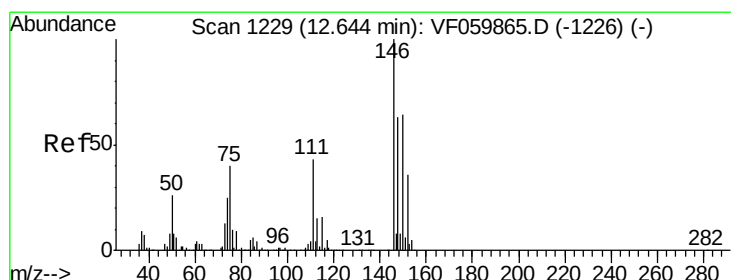
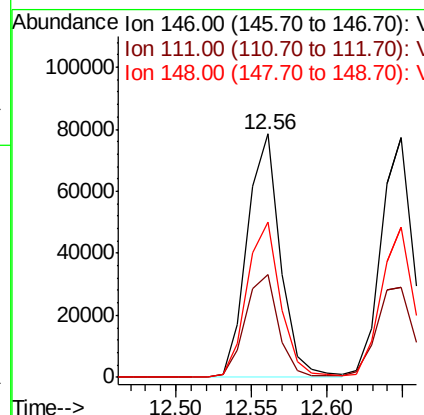
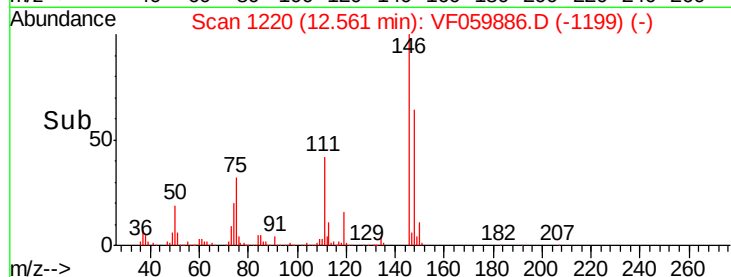
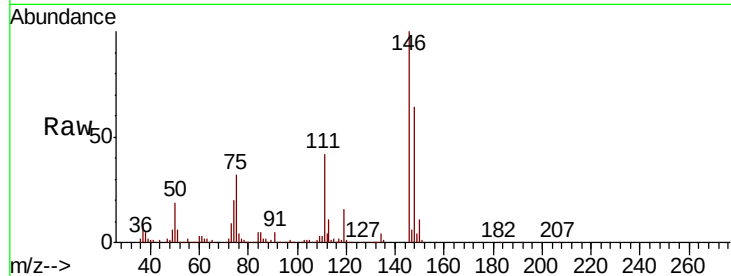
#87
 1,3-Dichlorobenzene
 Concen: 20.98 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120551		
111	42.4	22.4	67.0	
148	63.7	33.1	99.3	

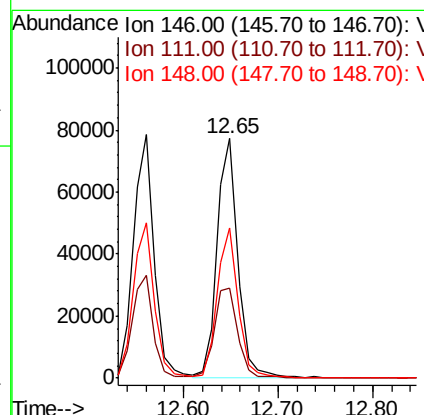
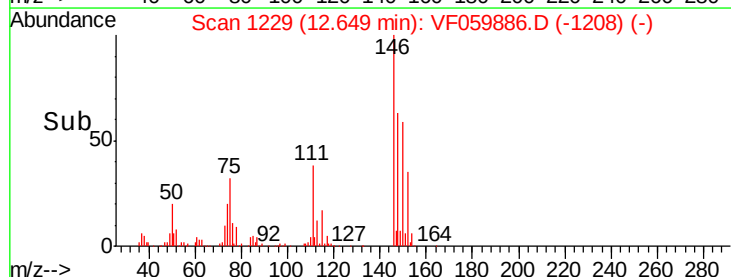
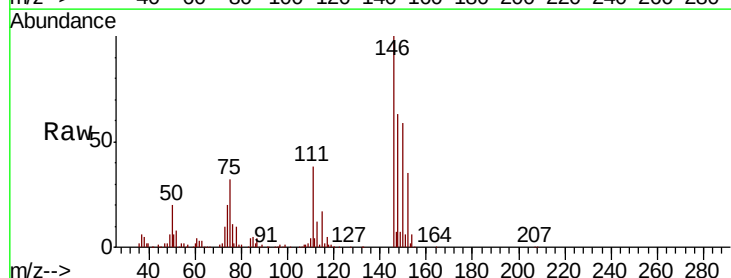
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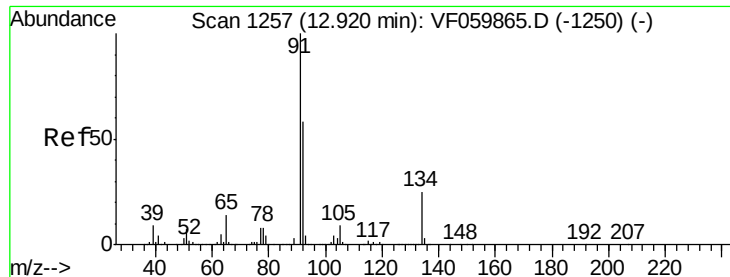
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#88
 1,4-Dichlorobenzene
 Concen: 21.04 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118690		
111	37.7	21.4	64.2	
148	62.6	31.6	94.7	





#89

n-Butylbenzene

Concen: 24.37 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

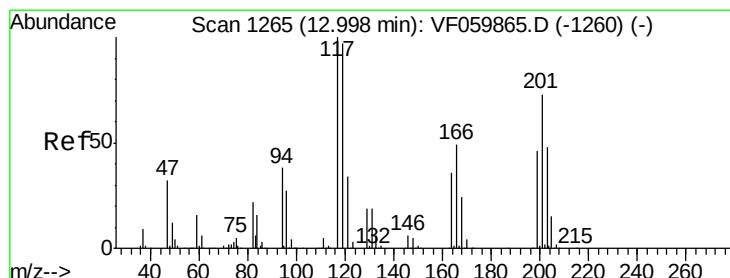
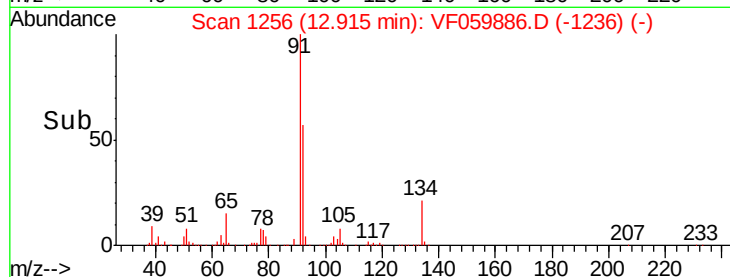
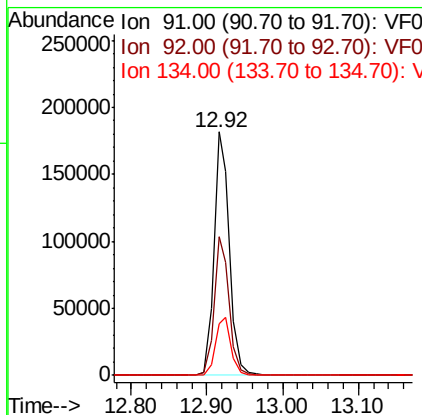
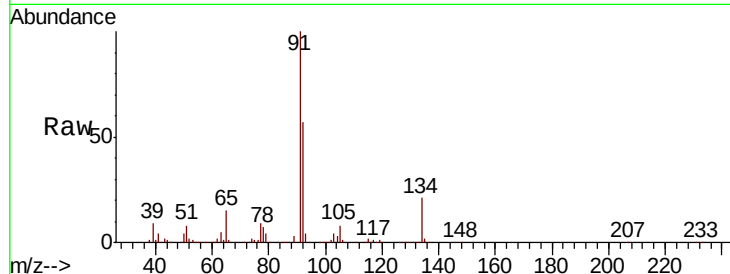
ClientSampleId :

VF0806SBSD01

Tot Ion:	91	Resp:	261469
Ion Ratio	Lower	Upper	
91	100		
92	56.8	28.8	86.5
134	21.0	12.6	37.6

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#90

Hexachloroethane

Concen: 21.49 ug/l

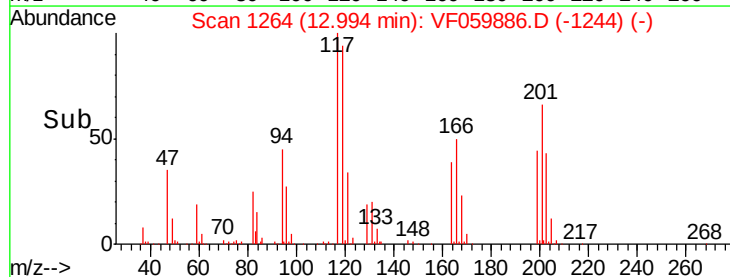
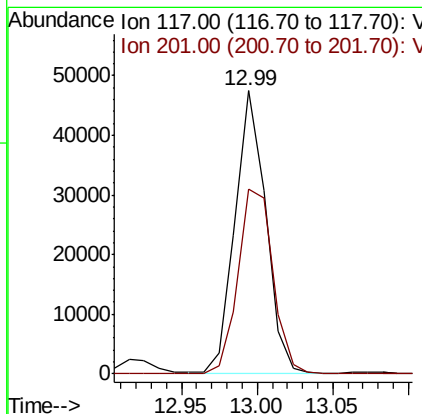
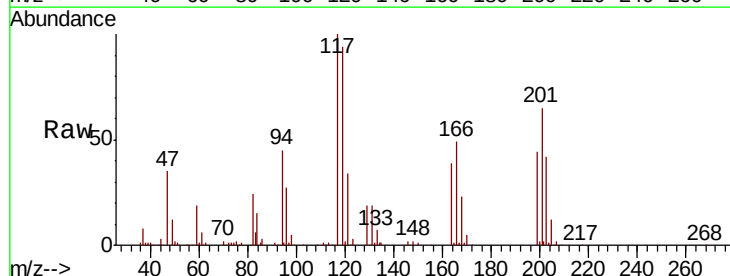
RT: 12.99 min Scan# 1264

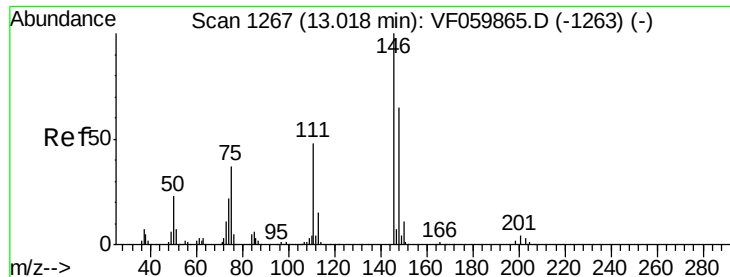
Delta R.T. -0.00 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Tgt Ion:	117	Resp:	66743
Ion Ratio	Lower	Upper	
117	100		
201	66.8	36.6	109.8





#91

1,2-Dichlorobenzene

Concen: 22.02 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VF059886.D

Acq: 6 Aug 2018 20:07

Instrument :

MSVOA_F

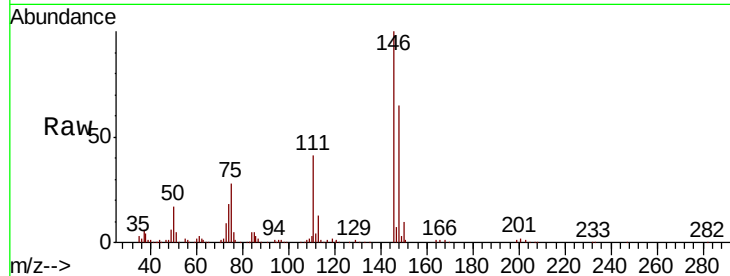
ClientSampleId :

VF0806SBSD01

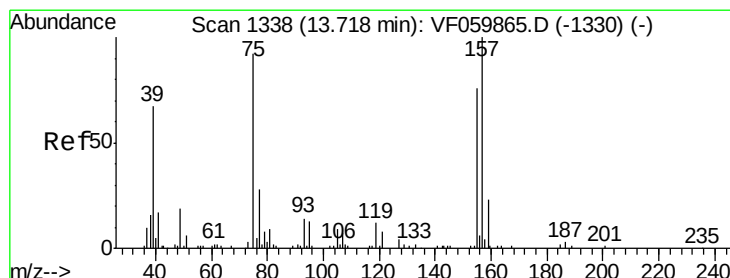
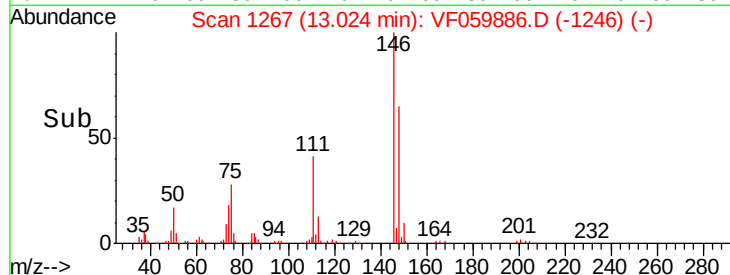
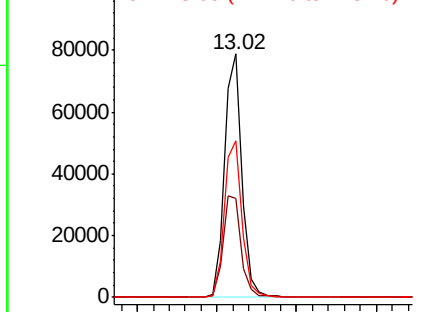
Tot Ion:	146	Resp:	121766
Ion Ratio	Lower	Upper	
146	100		
111	40.7	24.1	72.2
148	64.5	32.8	98.3

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.73 ug/l

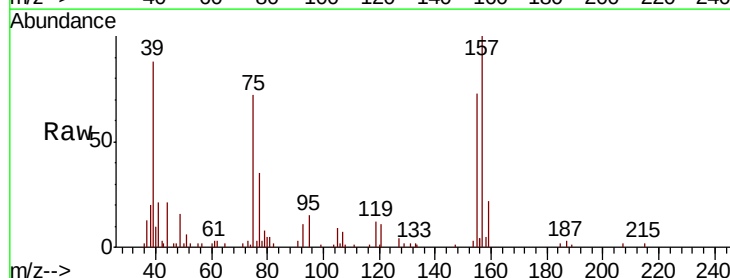
RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

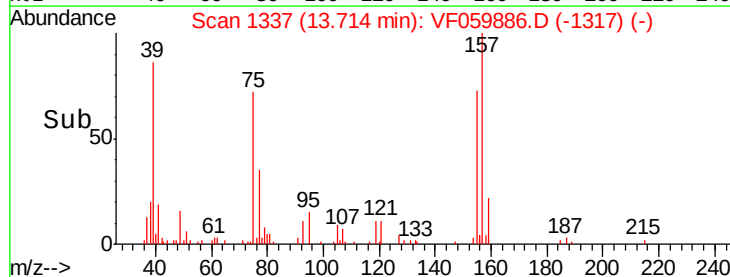
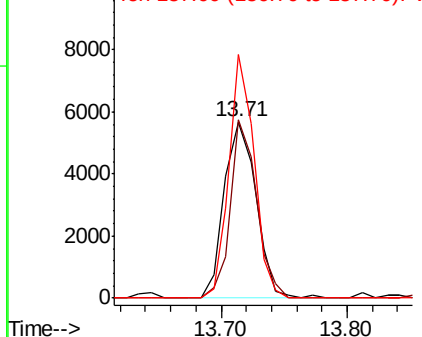
Lab File: VF059886.D

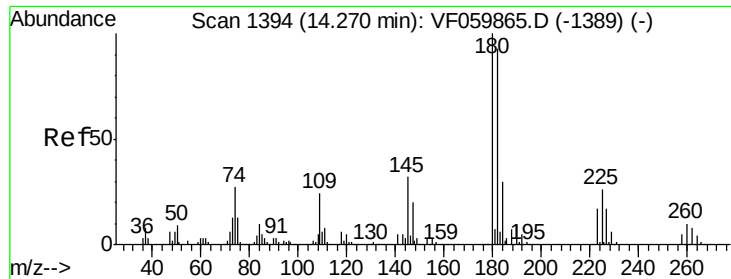
Acq: 6 Aug 2018 20:07

Tgt Ion:	75	Resp:	9887
Ion Ratio	Lower	Upper	
75	100		
155	107.1	41.2	123.6
157	138.4	54.5	163.6



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





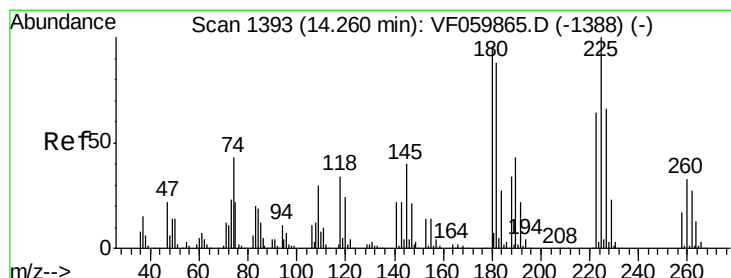
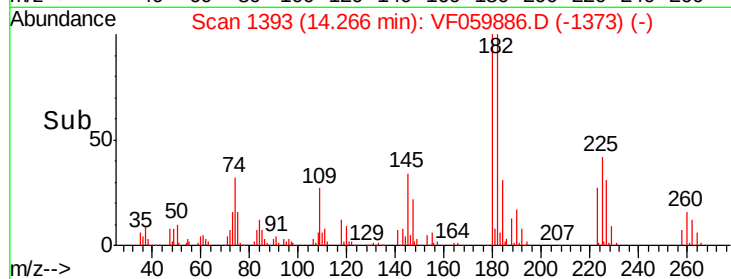
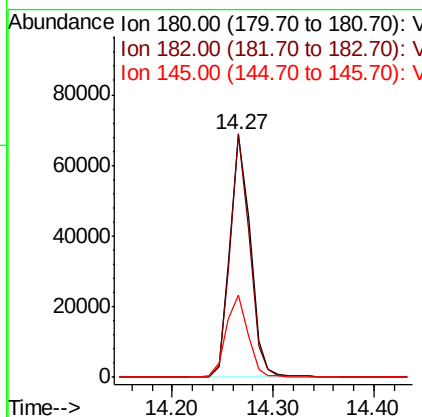
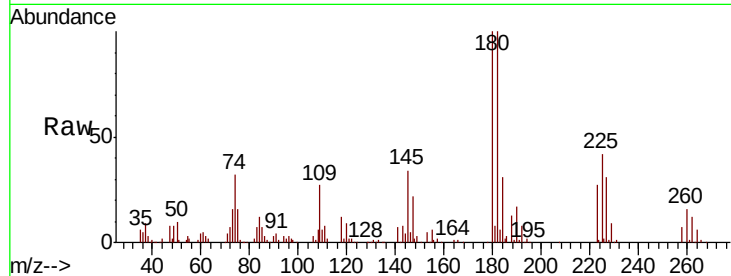
#93
 1,2,4-Trichlorobenzene
 Concen: 23.15 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.3	46.4	139.2	
145	33.9	15.9	47.7	

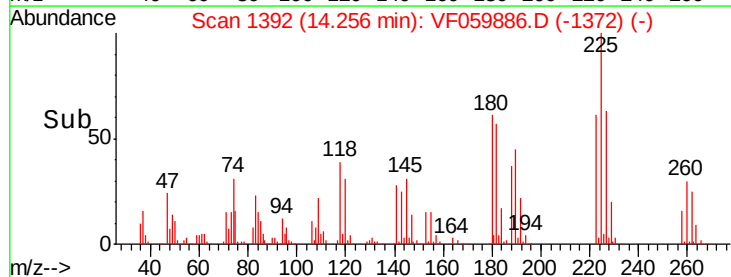
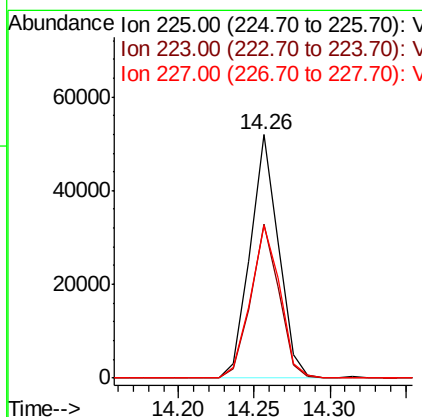
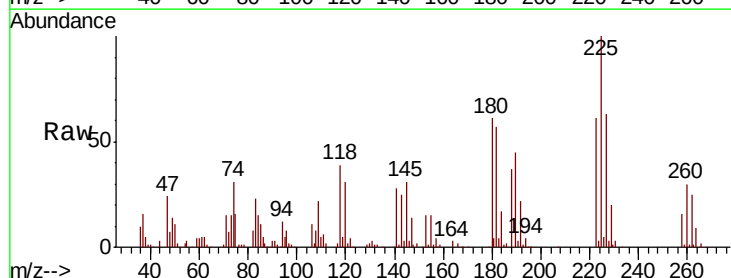
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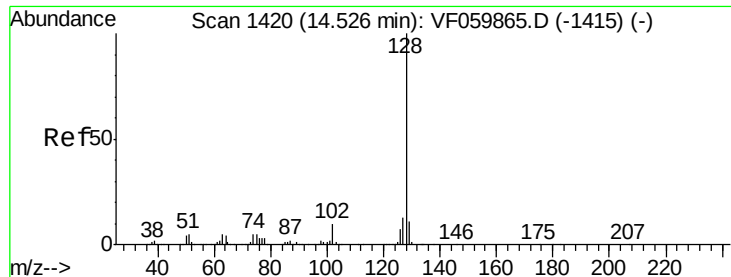
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#94
 Hexachlorobutadiene
 Concen: 22.90 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059886.D
 Acq: 6 Aug 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.9	95.9	
227	62.7	32.8	98.4	





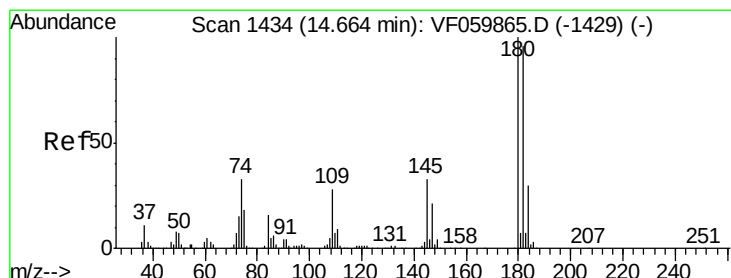
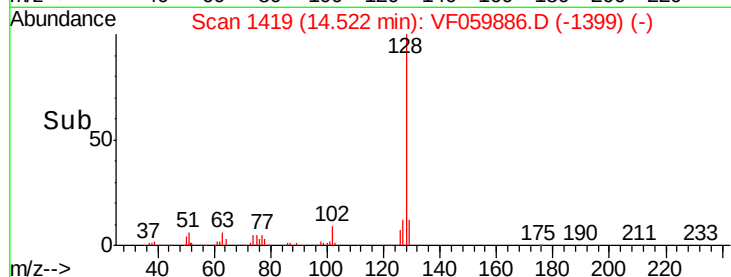
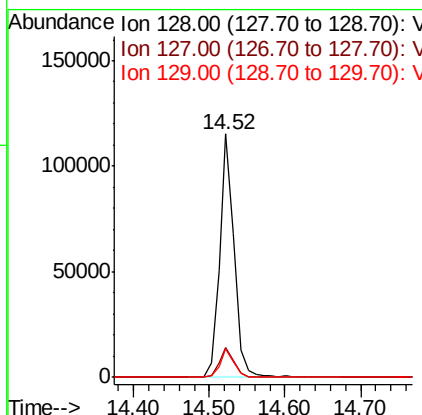
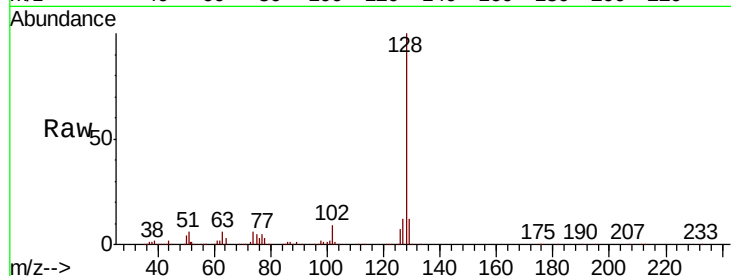
#95
Naphthalene
Concen: 21.40 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBSD01

Tot Ion:	128	Resp:	155531
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.4	15.6
129	11.5	9.0	13.6

Manual Integrations
APPROVED

apatel
8/7/2018 10:46:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.86 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059886.D
Acq: 6 Aug 2018 20:07

Tgt Ion:	180	Resp:	94784
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.1	144.3
145	31.4	16.6	49.8

