

Data File : VF059909.D
Acq On : 7 Aug 2018 8:31
Operator : VA/AP
Sample : VF0807SBS01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Manual Integrations
APPROVED

apatel
8/8/2018 11:38:25 AM

Quant Time: Aug 07 11:02:48 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	5.05	168	169156	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	246419	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	253147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	162359	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	175101	57.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	114.84%	
35) Dibromofluoromethane	4.31	113	132015	53.85	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.70%	
50) Toluene-d8	7.72	98	282387	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
62) 4-Bromofluorobenzene	11.52	95	163497	55.77	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.54%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	0.99	85	65776	22.758	ug/l	95
3) Chloromethane	1.09	50	23748	17.763	ug/l	99
4) Vinyl Chloride	1.16	62	30044	21.936	ug/l	96
5) Bromomethane	1.35	94	28080	21.721	ug/l	100
6) Chloroethane	1.44	64	18740	21.785	ug/l	95
7) Trichlorofluoromethane	1.55	101	88455m	23.598	ug/l	
8) Diethyl Ether	1.70	74	12433	20.901	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.90	101	41969	20.289	ug/l	95
10) Methyl Iodide	1.98	142	71350m	22.452	ug/l	
11) Tert butyl alcohol	2.70	59	15929	129.493	ug/l #	89
12) 1,1-Dichloroethene	1.86	96	32504	21.512	ug/l	97
13) Acrolein	2.09	56	4943m	67.052	ug/l	
14) Allyl chloride	2.20	41	49516	19.655	ug/l	95
15) Acrylonitrile	3.07	53	22830	101.283	ug/l #	89
16) Acetone	2.34	43	63143	112.158	ug/l #	92
17) Carbon Disulfide	1.89	76	86832m	21.527	ug/l	
18) Methyl Acetate	2.45	43	23197	24.425	ug/l #	85
19) Methyl tert-butyl Ether	2.54	73	101155	23.646	ug/l	96
20) Methylene Chloride	2.27	84	41800m	27.096	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	30581	20.374	ug/l	93
22) Diisopropyl ether	2.93	45	101415	20.926	ug/l	96
23) Vinyl Acetate	3.34	43	296085	126.202	ug/l	98
24) 1,1-Dichloroethane	3.00	63	78639	22.281	ug/l	99
25) 2-Butanone	4.52	43	68326	111.614	ug/l	97
26) 2,2-Dichloropropane	3.77	77	44586	21.700	ug/l	94
27) cis-1,2-Dichloroethene	3.63	96	38161	22.611	ug/l	98
28) Bromochloromethane	3.89	49	28896	23.186	ug/l	93
29) Tetrahydrofuran	4.27	42	25538	113.321	ug/l	96
30) Chloroform	4.05	83	108478	22.719	ug/l	98
31) Cyclohexane	3.88	56	35584	20.371	ug/l	91
32) 1,1,1-Trichloroethane	4.29	97	83173	21.774	ug/l	97
36) 1,1-Dichloropropene	4.47	75	57593	20.206	ug/l	97
37) Ethyl Acetate	4.29	43	29781	24.335	ug/l	95
38) Carbon Tetrachloride	4.19	117	88420m	21.670	ug/l	

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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)
39) Methylcyclohexane	5.64	83	42538	19.901	ug/l	91
40) Benzene	4.82	78	103966	19.388	ug/l	99
41) Methacrylonitrile	4.93	41	14036	21.732	ug/l #	82
42) 1,2-Dichloroethane	5.12	62	87725	22.227	ug/l	98
43) Isopropyl Acetate	7.12	43	26820	21.283	ug/l #	88
44) Trichloroethene	5.69	130	44125	23.245	ug/l	87
45) 1,2-Dichloropropane	6.41	63	29980	22.921	ug/l	90
46) Dibromomethane	6.27	93	28560	21.640	ug/l	93
47) Bromodichloromethane	6.56	83	79401	21.996	ug/l #	93
48) Methyl methacrylate	6.89	41	21764	22.200	ug/l	97
49) 1,4-Dioxane	6.88	88	3214	500.051	ug/l #	79
51) 4-Methyl-2-Pentanone	8.42	43	151325	117.448	ug/l	96
52) Toluene	7.79	92	80992	22.498	ug/l	84
53) t-1,3-Dichloropropene	8.44	75	64446	23.470	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	61176	21.587	ug/l	93
55) 1,1,2-Trichloroethane	8.65	97	28288	21.829	ug/l	91
56) Ethyl methacrylate	8.77	69	28773	22.245	ug/l	94
57) 1,3-Dichloropropane	9.01	76	48663	21.869	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	20256	118.149	ug/l	100
59) 2-Hexanone	9.64	43	114486	125.787	ug/l	100
60) Dibromochloromethane	8.88	129	56121	23.083	ug/l	97
61) 1,2-Dibromoethane	9.15	107	36912	23.377	ug/l	88
64) Tetrachloroethene	8.32	164	45892	21.015	ug/l	95
65) Chlorobenzene	9.95	112	106077	20.644	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	53201	20.814	ug/l	94
67) Ethyl Benzene	10.05	91	192249	21.476	ug/l	99
68) m/p-Xylenes	10.28	106	129731	41.924	ug/l	99
69) o-Xylene	10.84	106	68145	20.788	ug/l	93
70) Styrene	10.91	104	101066	20.661	ug/l	96
71) Bromoform	10.90	173	35197	22.469	ug/l	98
73) Isopropylbenzene	11.23	105	227369	22.484	ug/l	100
74) N-amyl acetate	11.47	43	53426	23.045	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.80	83	43884	23.113	ug/l	89
76) 1,2,3-Trichloropropane	11.90	75	36984	22.679	ug/l	87
77) Bromobenzene	11.60	156	61334	22.302	ug/l	90
78) n-propylbenzene	11.70	91	263961	22.102	ug/l	100
79) 2-Chlorotoluene	11.82	91	169322	22.413	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	214747	22.869	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.96	75	13321m	22.742	ug/l	
82) 4-Chlorotoluene	11.99	91	183919	22.421	ug/l	94
83) tert-Butylbenzene	12.22	119	208421	22.802	ug/l	98
84) 1,2,4-Trimethylbenzene	12.30	105	220918	22.875	ug/l	99
85) sec-Butylbenzene	12.40	105	268405	22.099	ug/l	97
86) p-Isopropyltoluene	12.55	119	244550	23.956	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	118928	22.823	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	113464	22.181	ug/l	97
89) n-Butylbenzene	12.93	91	221100	22.726	ug/l	98
90) Hexachloroethane	13.00	117	61355	21.781	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	119257	23.783	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	12037	25.148	ug/l	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF080718\
Quantitation Report (QT Reviewed)

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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	89563	23.525	ug/l	97
94) Hexachlorobutadiene	14.26	225	60197	22.382	ug/l	96
95) Naphthalene	14.53	128	151285	22.952	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	90404	24.045	ug/l	98

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

Data File : VF059909.D

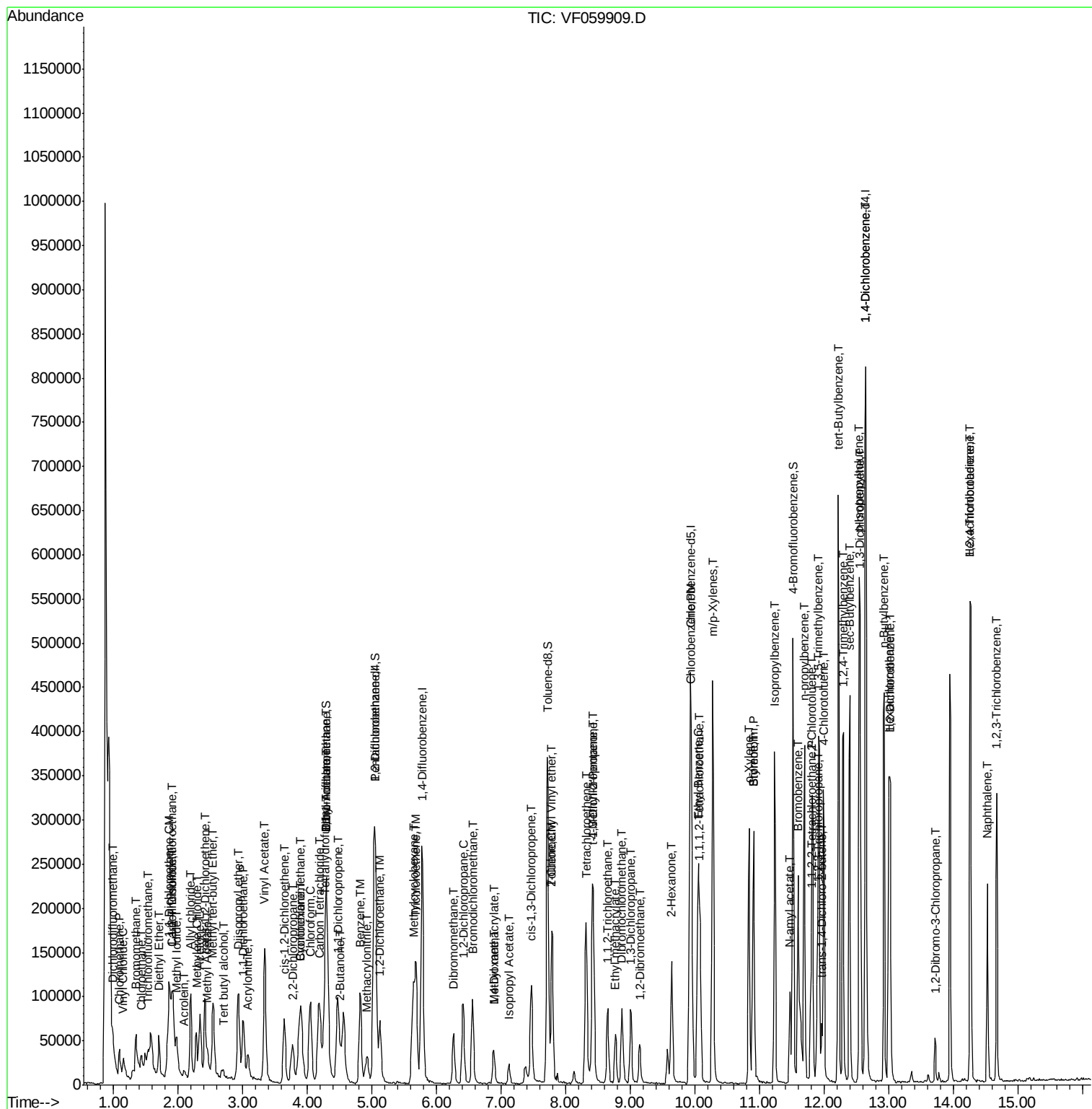
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Acq On       :    7 Aug 2018    8:31
Operator     : VA/AP
Sample       : VF0807SBS01
Misc         : 5.00g/5mL/MSV0A_F/SOIL
ALS Vial     : 35    Sample Multiplier: 1
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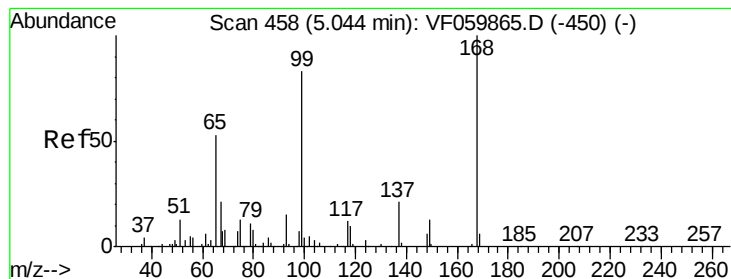
Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Manual Integrations
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8/8/2018 11:38:25 AM

Quant Time: Aug 07 11:02:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBSD01

Tgt Ion: 168 Resp: 169156

Ion Ratio Lower Upper

168 100

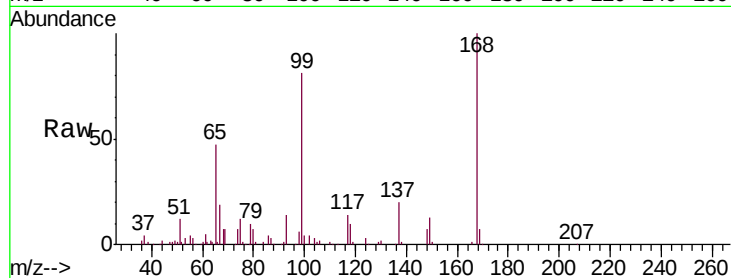
99 80.8 66.3 99.5

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

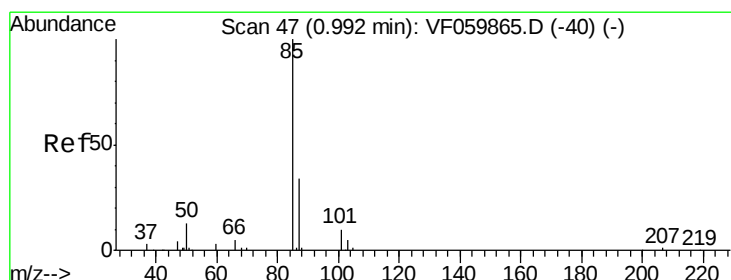
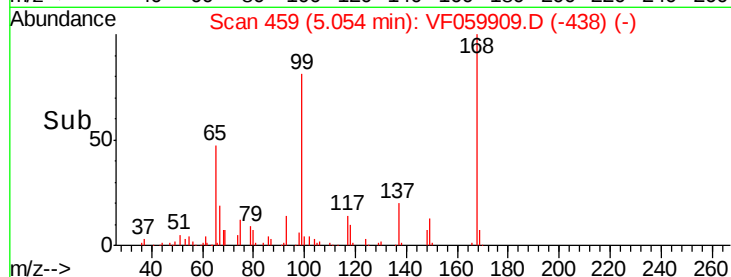
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.758 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF059909.D

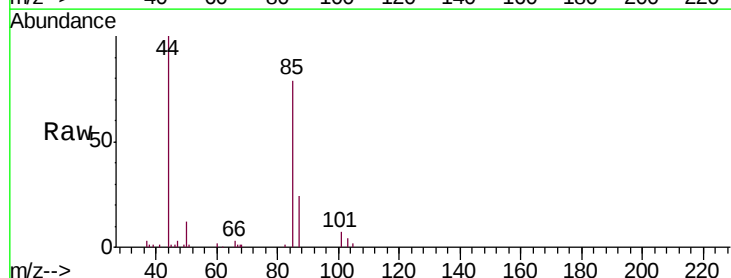
Acq: 7 Aug 2018 8:31

Tgt Ion: 85 Resp: 65776

Ion Ratio Lower Upper

85 100

87 31.0 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

20000

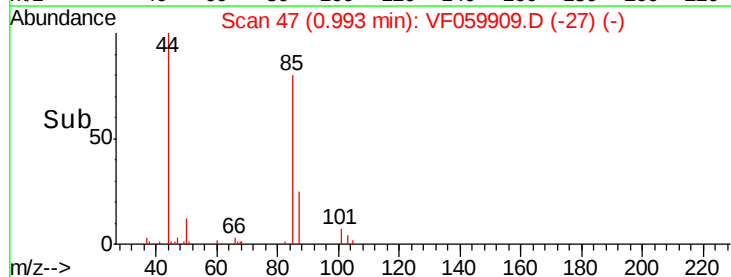
15000

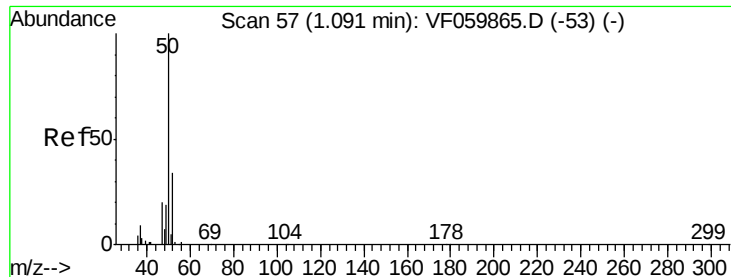
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.763 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tgt Ion: 50 Resp: 23748

Ion Ratio Lower Upper

50 100

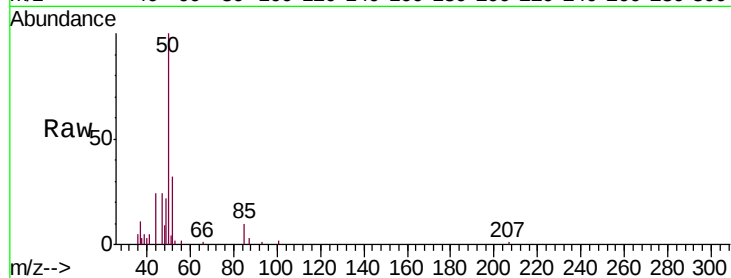
52 32.0 25.8 38.8

Manual Integrations

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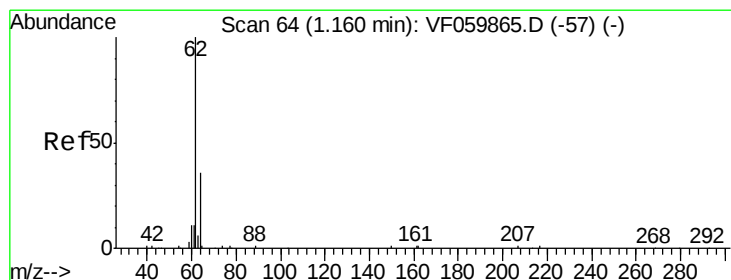
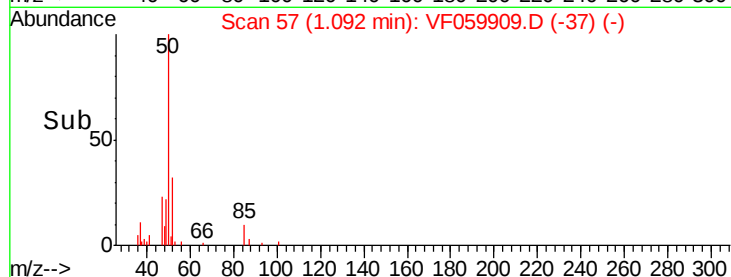
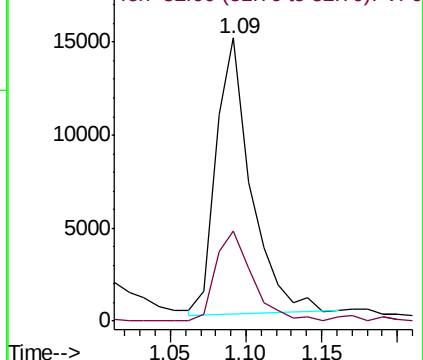
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.936 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059909.D

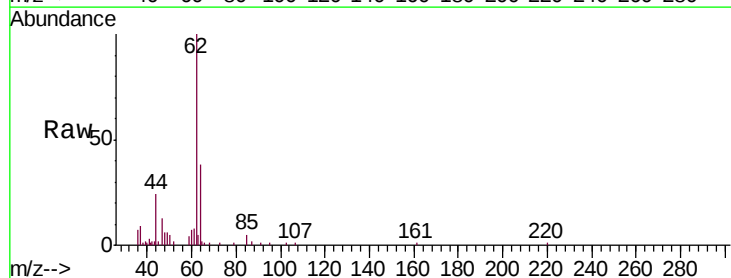
Acq: 7 Aug 2018 8:31

Tgt Ion: 62 Resp: 30044

Ion Ratio Lower Upper

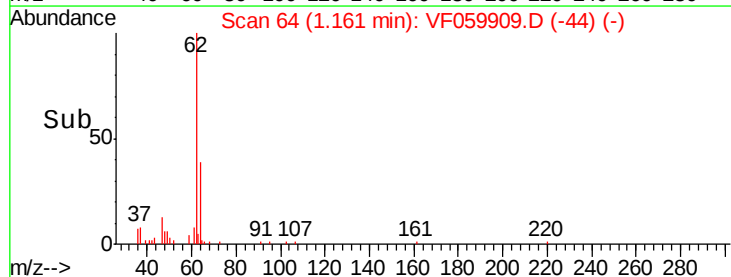
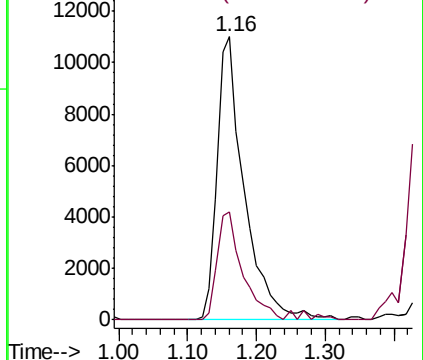
62 100

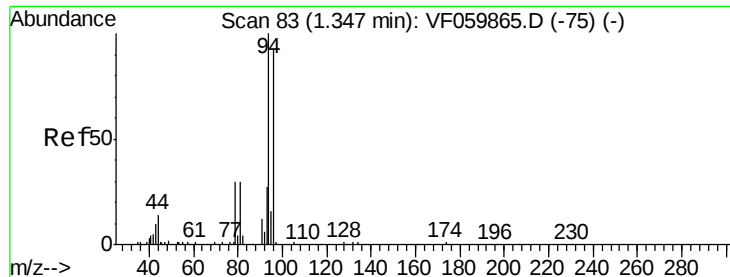
64 38.2 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 21.721 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBSD01

Tgt Ion: 94 Resp: 28080

Ion Ratio Lower Upper

94 100

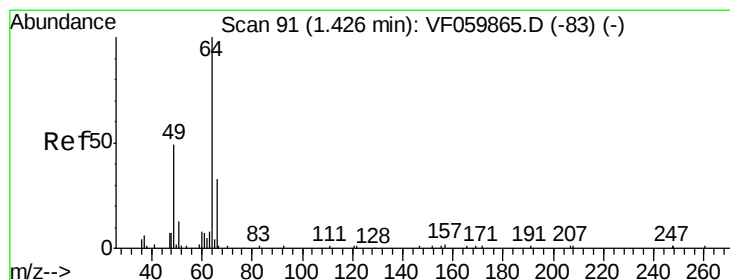
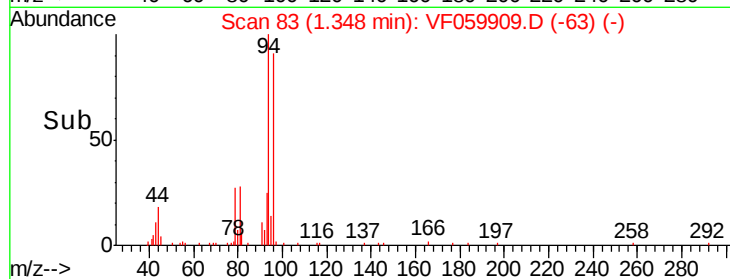
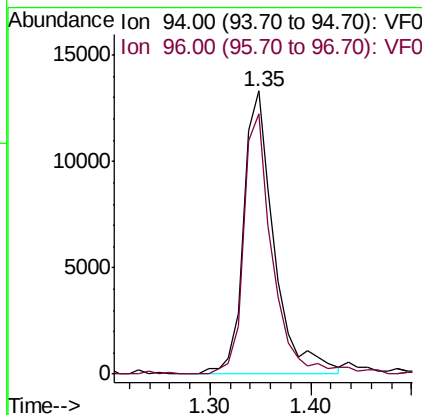
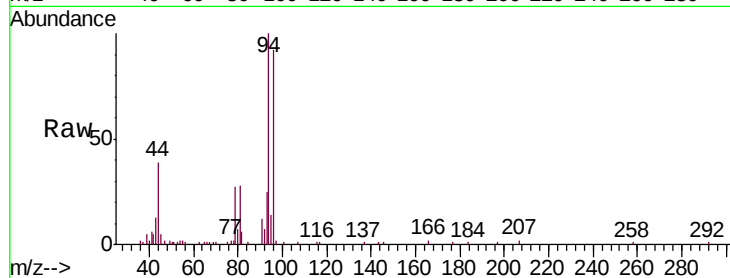
96 91.9 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 21.785 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF059909.D

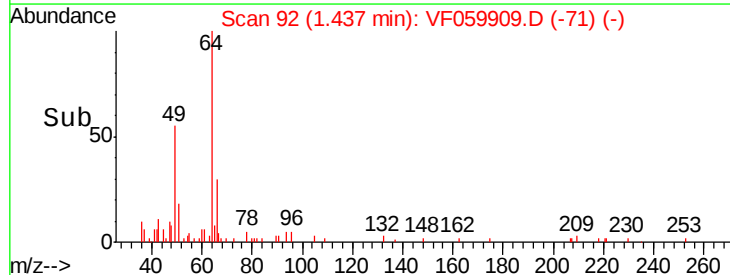
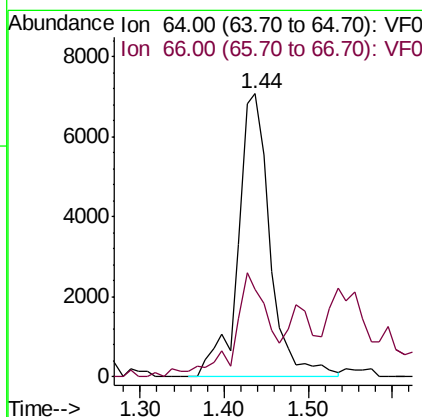
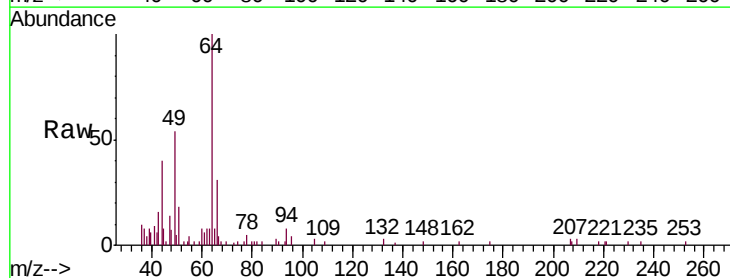
Acq: 7 Aug 2018 8:31

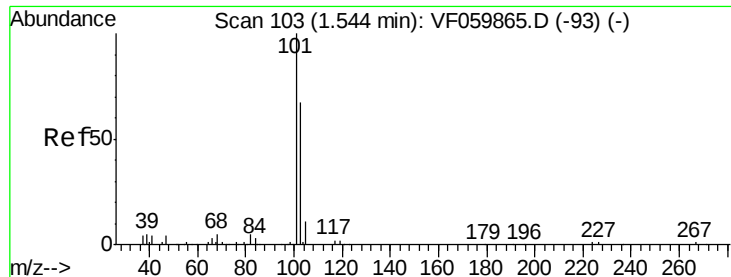
Tgt Ion: 64 Resp: 18740

Ion Ratio Lower Upper

64 100

66 30.9 26.9 40.3





#7

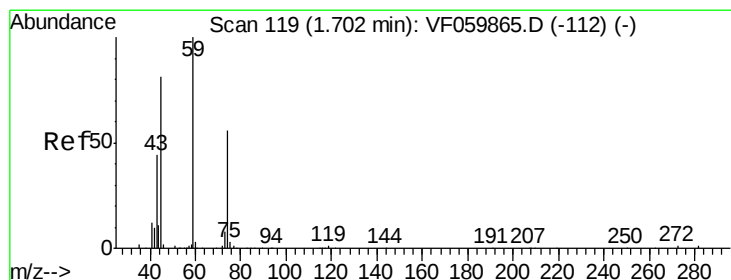
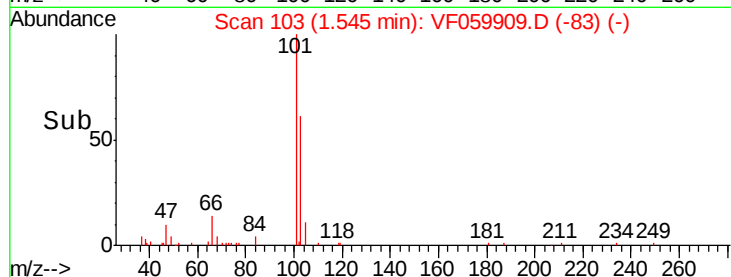
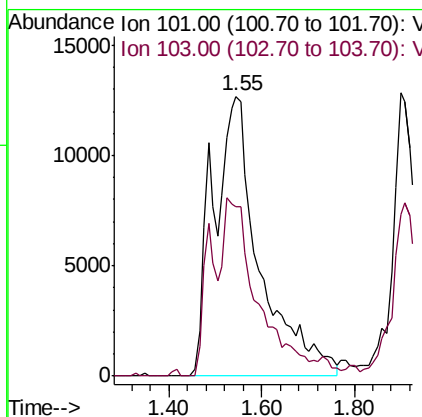
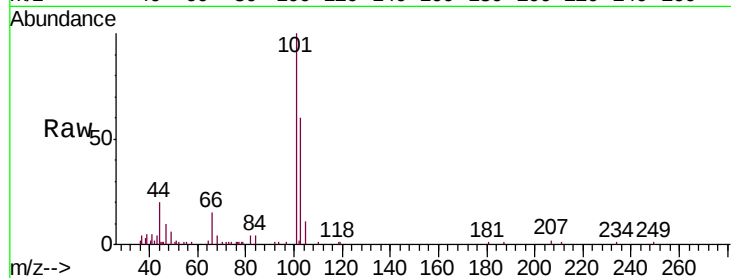
Trichlorofluoromethane
Concen: 23.598 ug/l m
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.4	53.6	80.4

Manual Integrations
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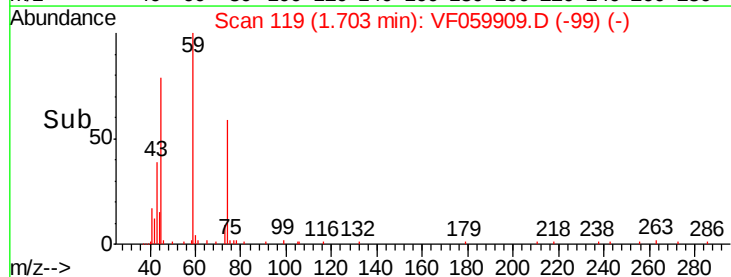
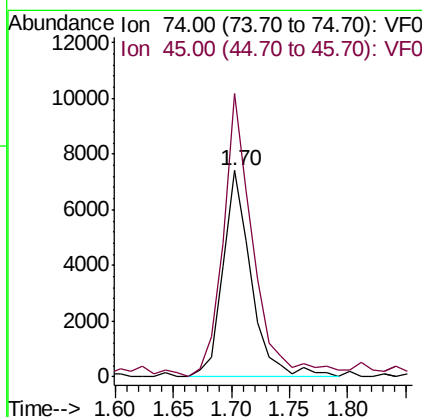
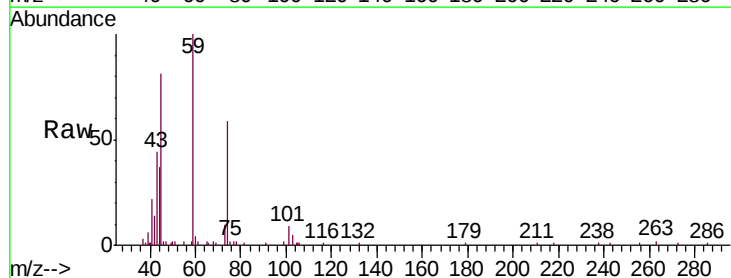
apatel
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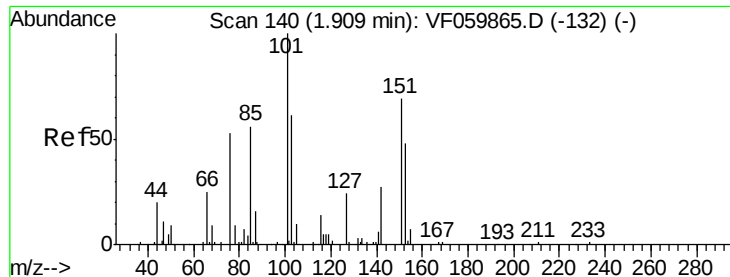


#8

Diethyl Ether
Concen: 20.901 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	137.3	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.289 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

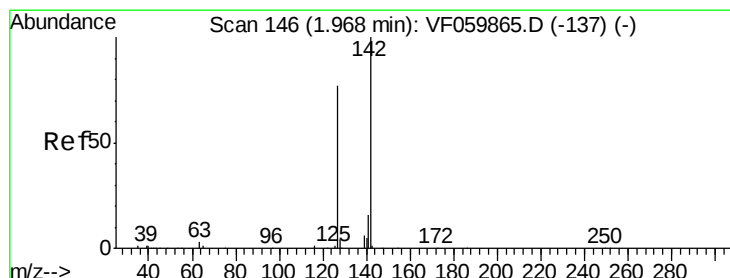
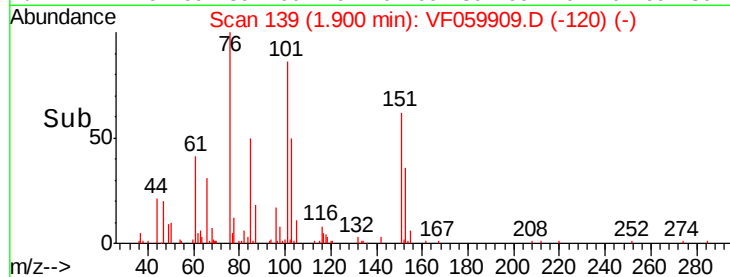
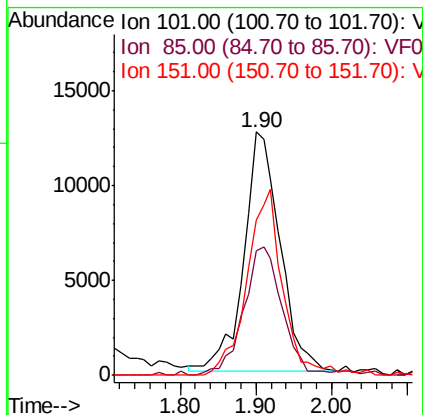
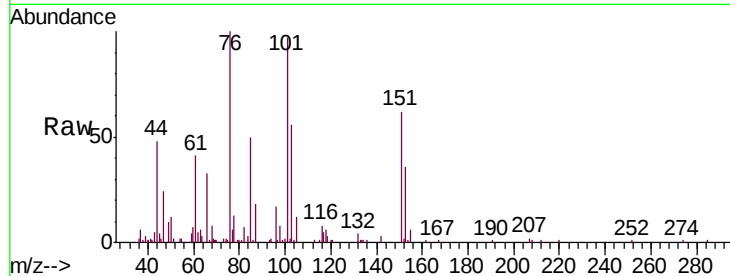
ClientSampleId :

VF0807SBS01

Tgt Ion:	101	Resp:	41969
Ion Ratio	Lower	Upper	
101	100		
85	51.9	44.5	66.7
151	64.0	53.8	80.8

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#10

Methyl Iodide

Concen: 22.452 ug/l m

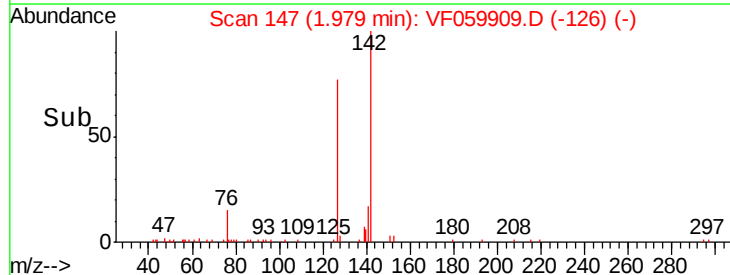
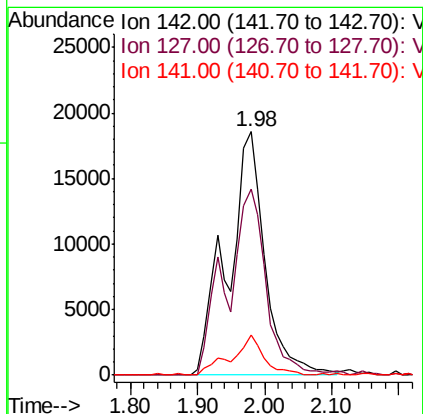
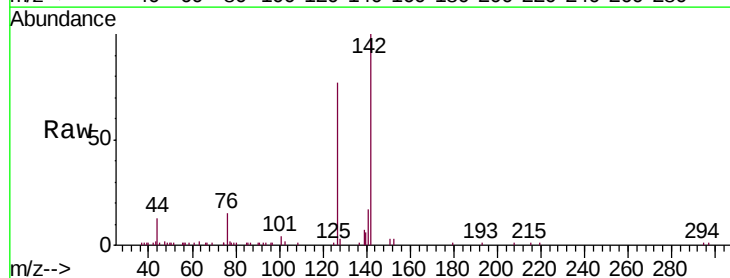
RT: 1.98 min Scan# 147

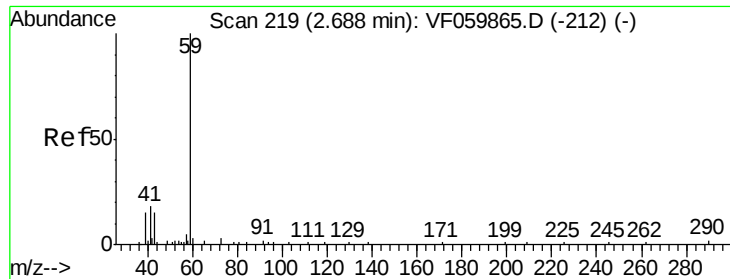
Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion:	142	Resp:	71350
Ion Ratio	Lower	Upper	
142	100		
127	76.6	61.5	92.3
141	16.7	13.0	19.4





#11

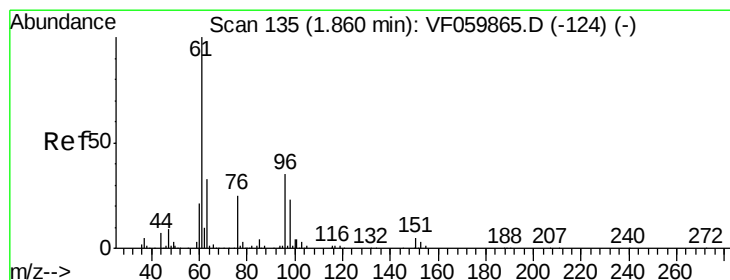
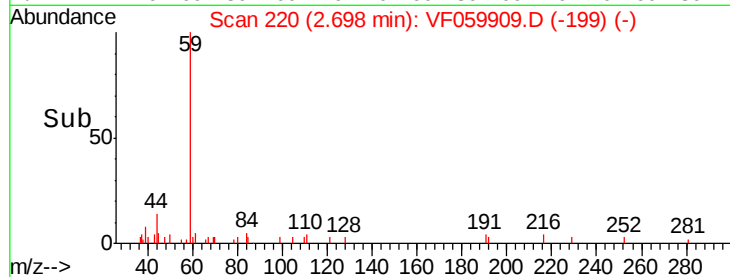
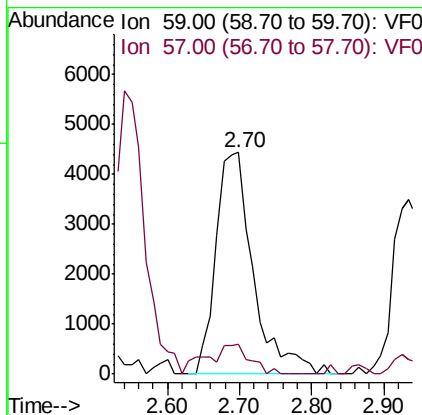
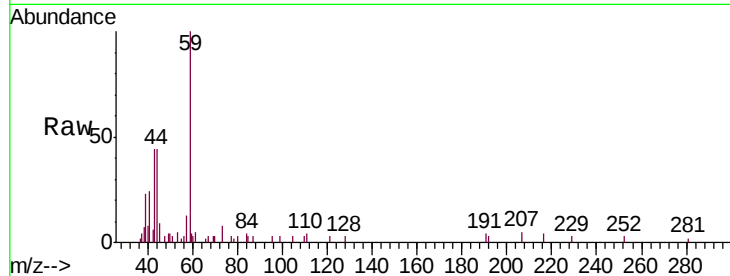
Tert butyl alcohol
Concen: 129.493 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	15929		
57	13.4	7.6	11.4#	

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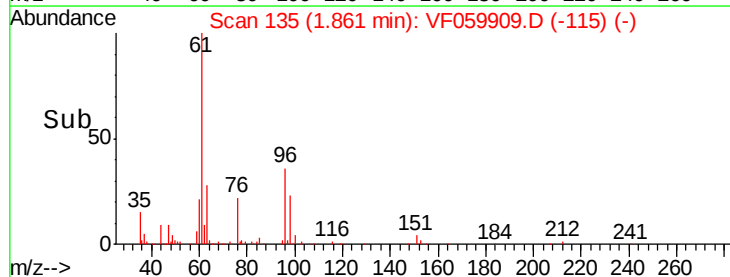
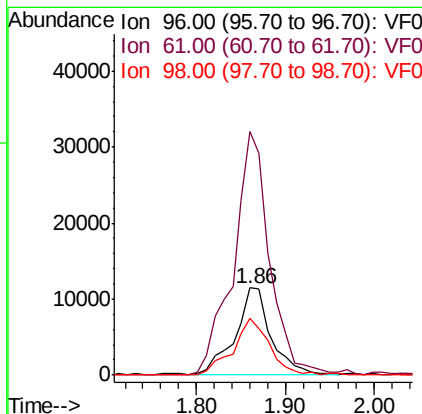
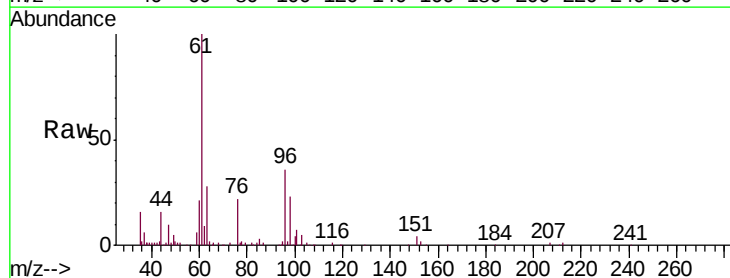
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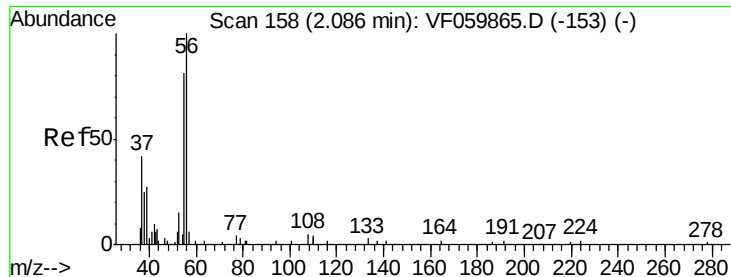


#12

1,1-Dichloroethene
Concen: 21.512 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	32504		
61	280.2	230.2	345.2	
98	65.1	52.7	79.1	





#13

Acrolein

Concen: 67.052 ug/l m

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059909.D

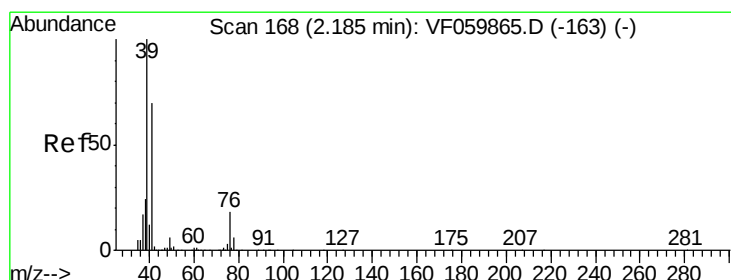
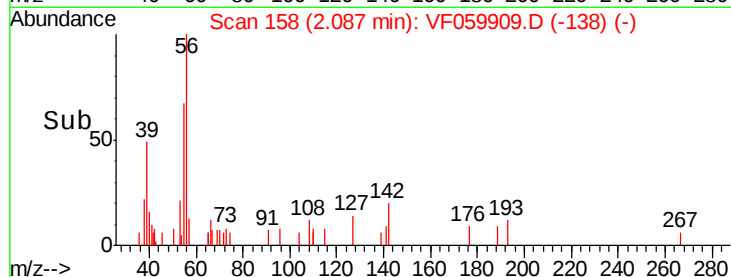
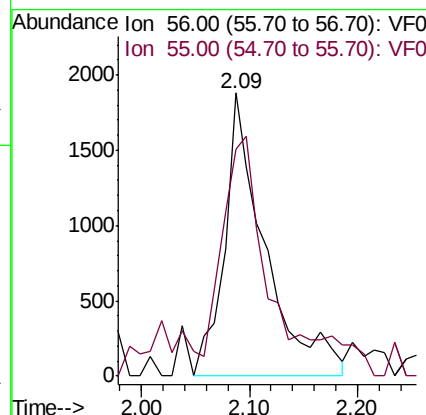
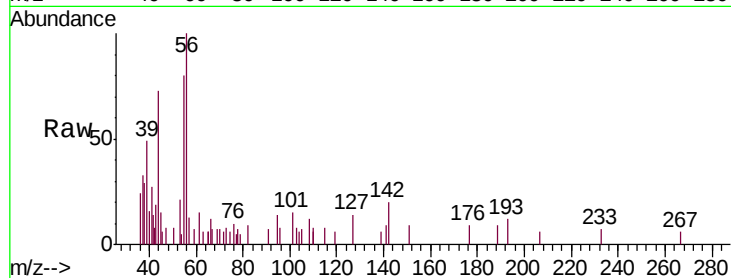
Acq: 7 Aug 2018 8:31

Tgt Ion:	56	Resp:	4943
Ion Ratio	Lower	Upper	
56	100		
55	80.1	64.6	96.8

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

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#14

Allyl chloride

Concen: 19.655 ug/l

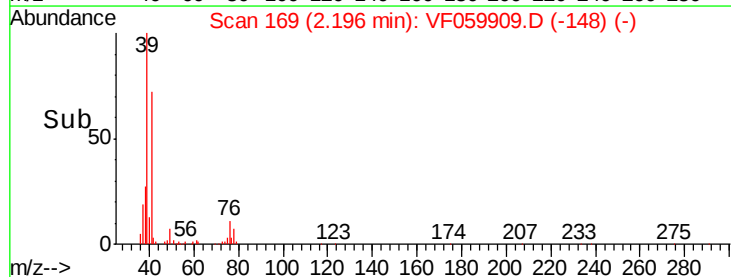
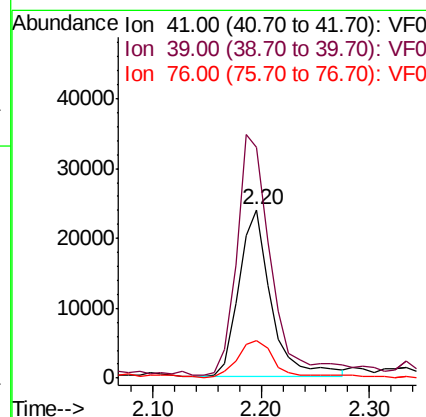
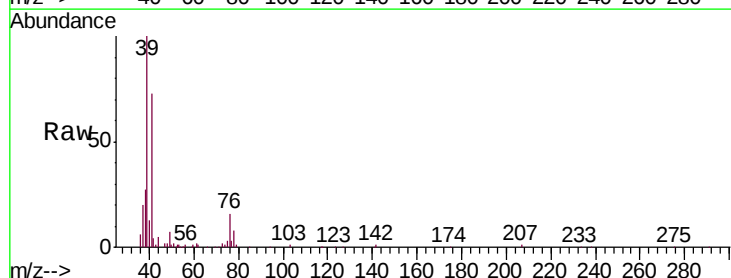
RT: 2.20 min Scan# 169

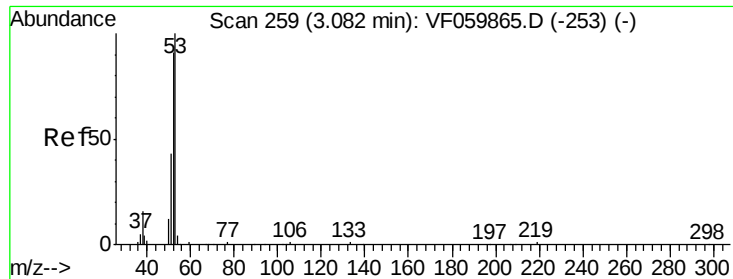
Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion:	41	Resp:	49516
Ion Ratio	Lower	Upper	
41	100		
39	137.1	114.6	171.8
76	22.2	21.0	31.4





#15

Acrylonitrile

Concen: 101.283 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

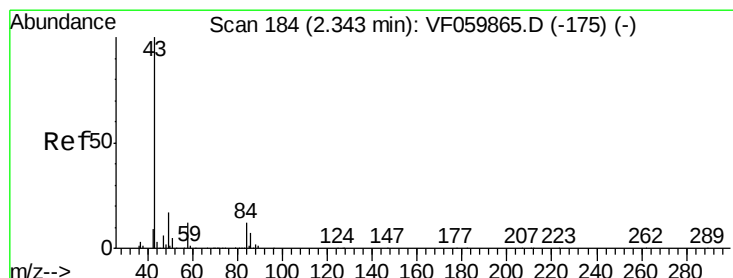
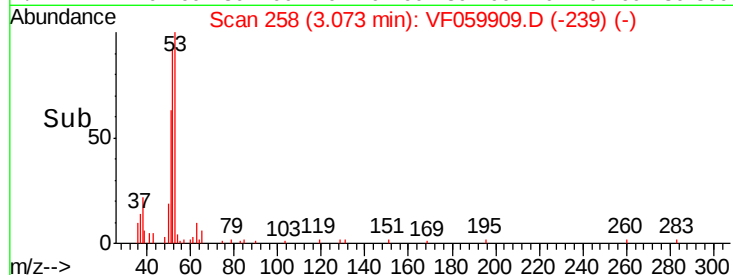
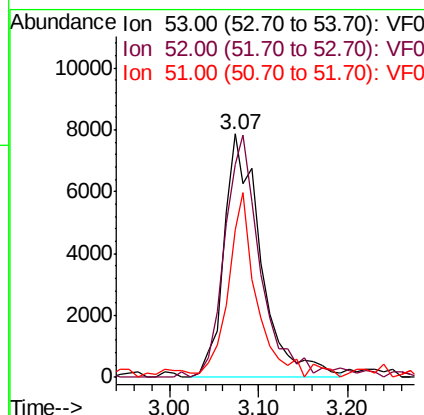
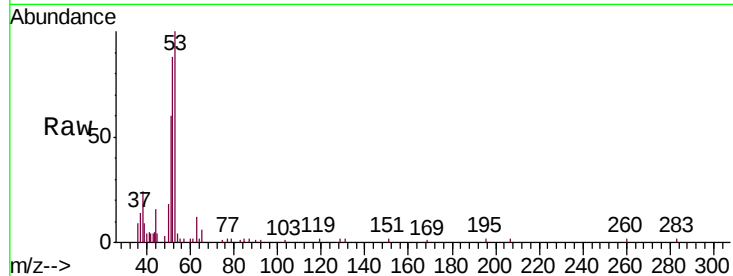
ClientSampleId :

VF0807SBS01

Tgt Ion:	53	Resp:	22830
Ion Ratio	Lower	Upper	
53	100		
52	87.6	72.9	109.3
51	60.5	34.5	51.7#

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#16

Acetone

Concen: 112.158 ug/l

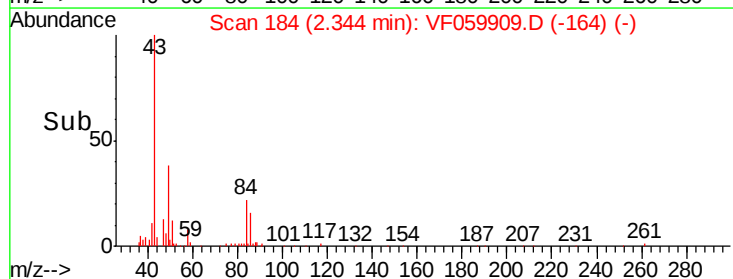
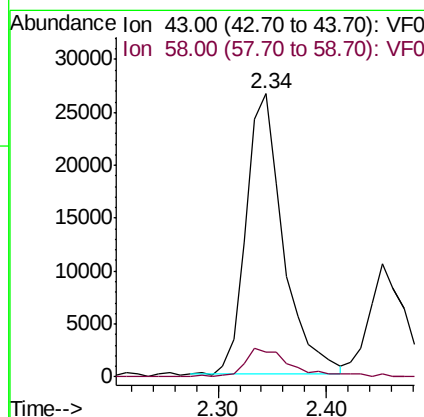
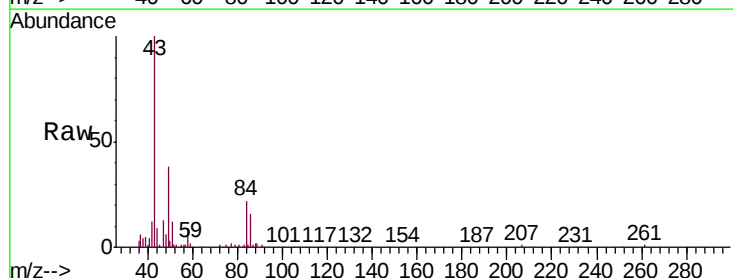
RT: 2.34 min Scan# 184

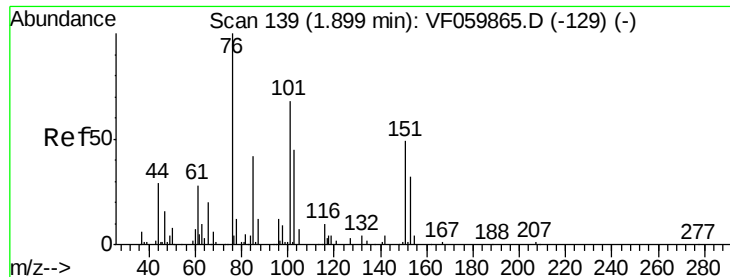
Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion:	43	Resp:	63143
Ion Ratio	Lower	Upper	
43	100		
58	8.6	9.4	14.0#





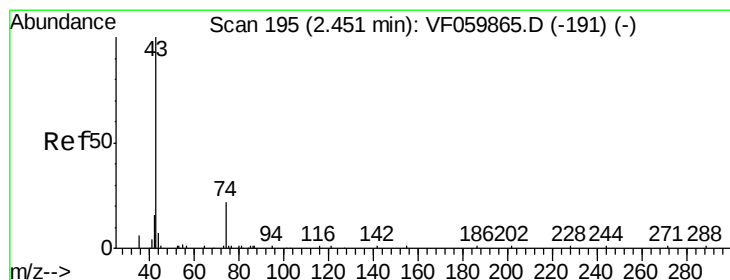
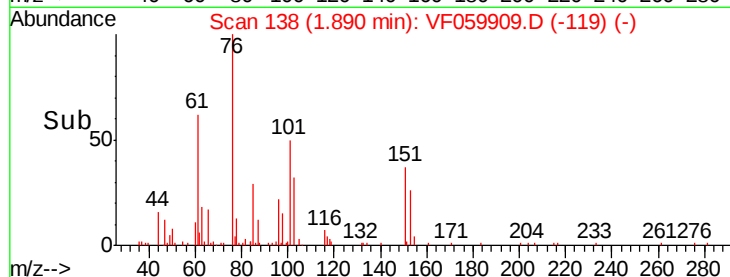
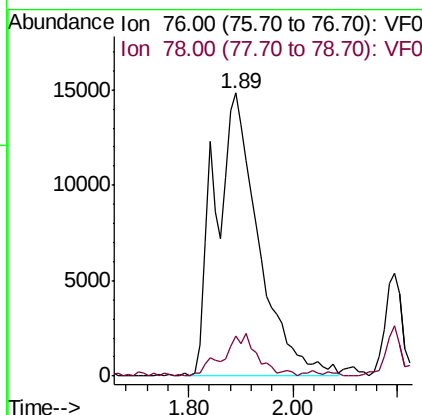
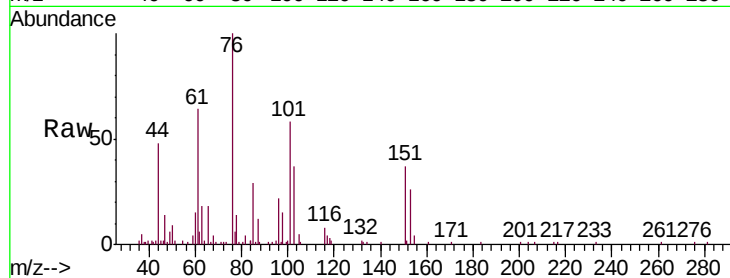
#17
Carbon Disulfide
Concen: 21.527 ug/l m
RT: 1.89 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion: 76 Resp: 86832
Ion Ratio Lower Upper
76 100
78 14.1 9.3 13.9#

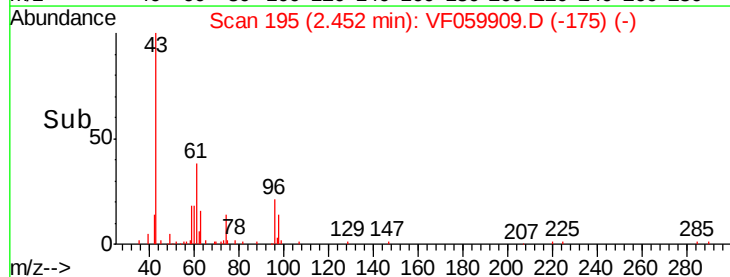
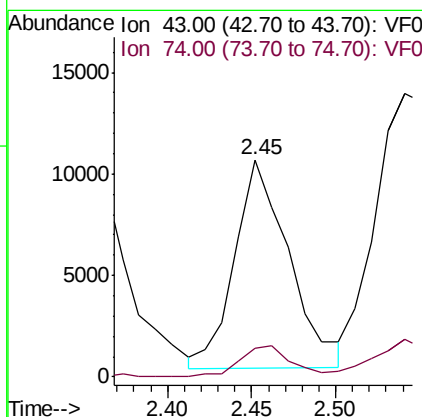
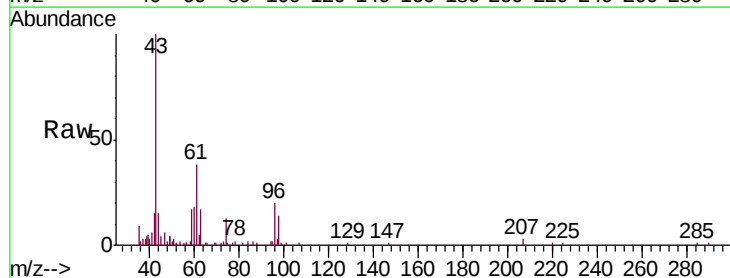
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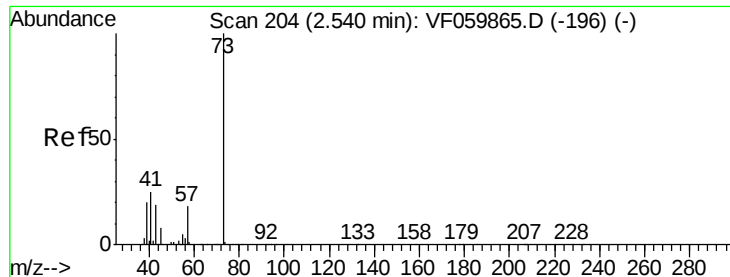
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#18
Methyl Acetate
Concen: 24.425 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion: 43 Resp: 23197
Ion Ratio Lower Upper
43 100
74 13.3 16.3 24.5#





#19

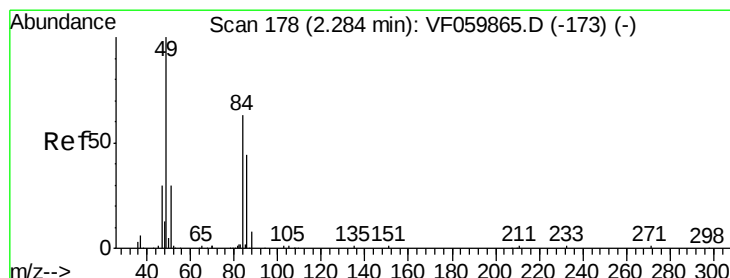
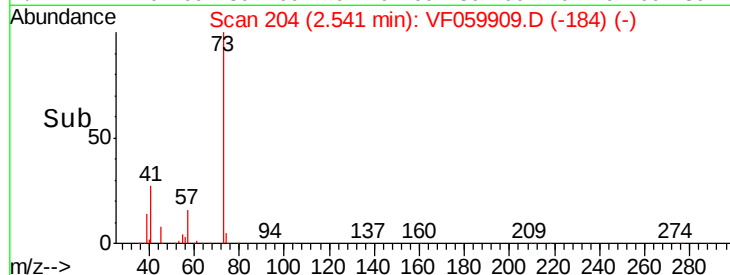
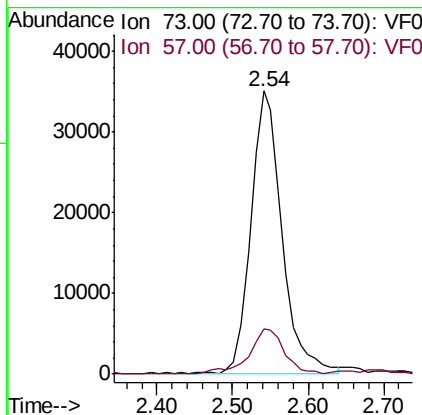
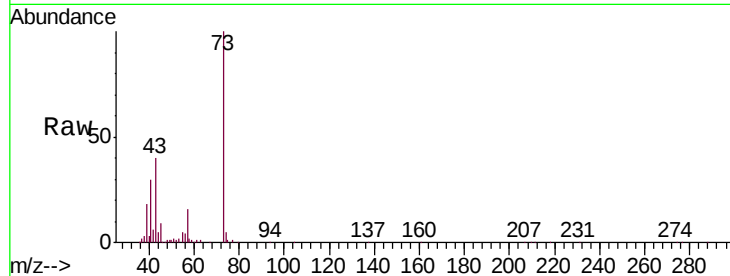
Methyl tert-butyl Ether
 Concen: 23.646 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBSD01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	16.2	14.3	21.5

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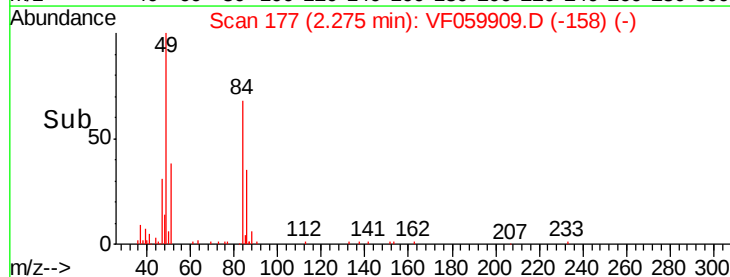
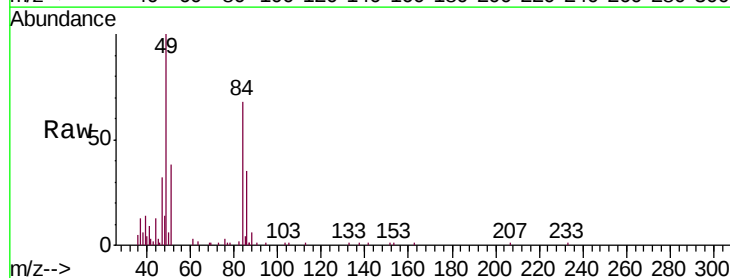
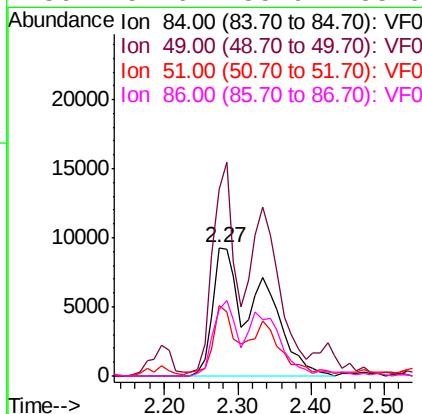
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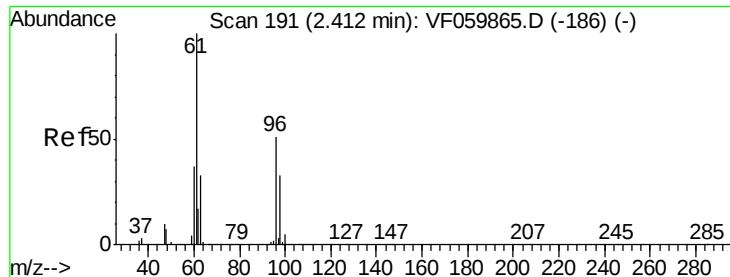


#20

Methylene Chloride
 Concen: 27.096 ug/l m
 RT: 2.27 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.2	128.7	193.1
51	55.0	39.3	58.9
86	51.6	55.9	83.9#





#21

trans-1,2-Dichloroethene

Concen: 20.374 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

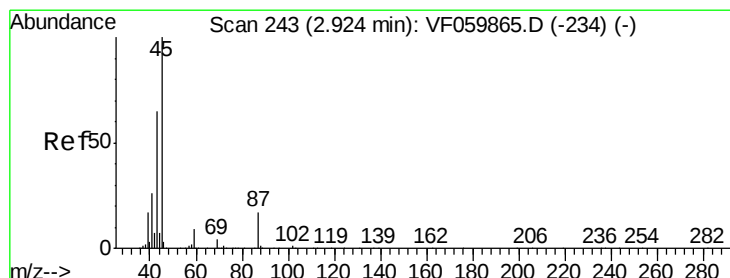
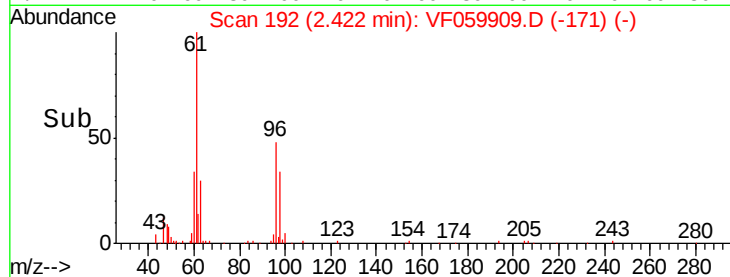
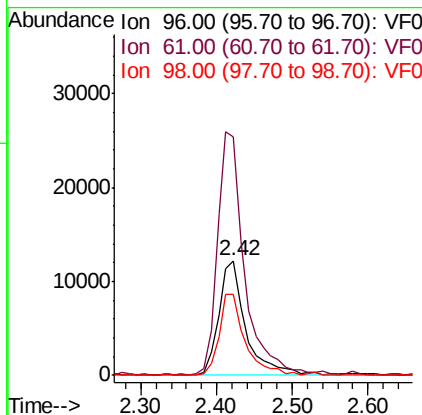
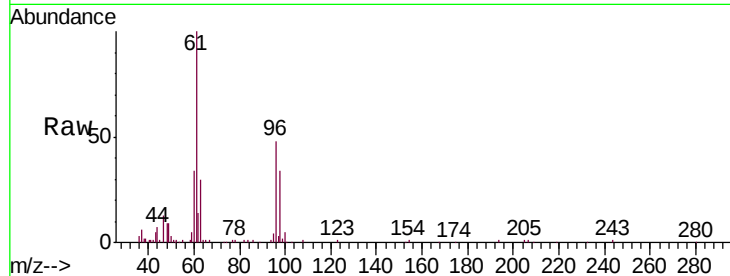
ClientSampleId :

VF0807SBS01

Tgt Ion:	96	Resp:	30581
Ion	Ratio	Lower	Upper
96	100		
61	207.9	158.2	237.4
98	70.1	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.926 ug/l

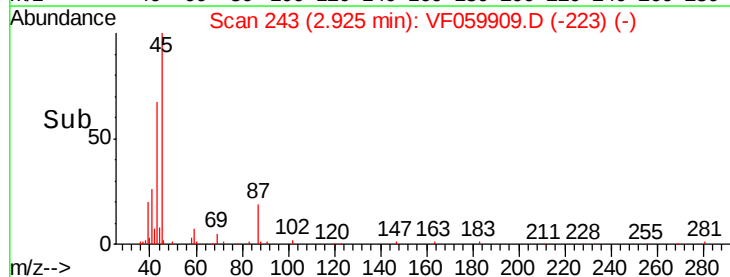
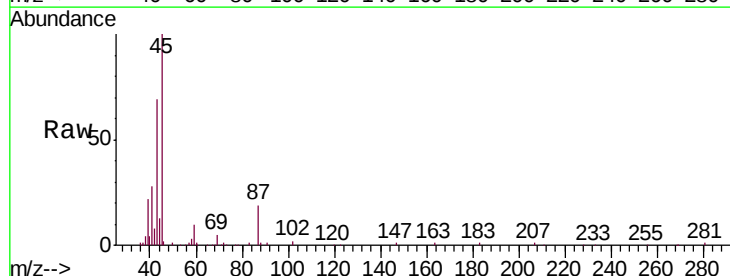
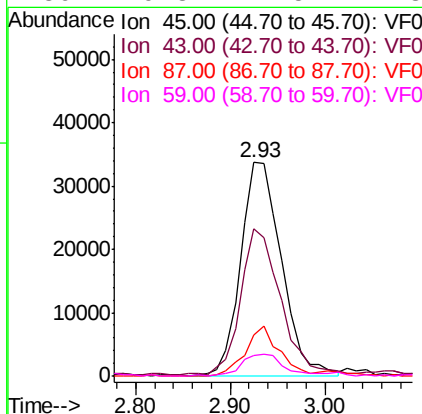
RT: 2.93 min Scan# 243

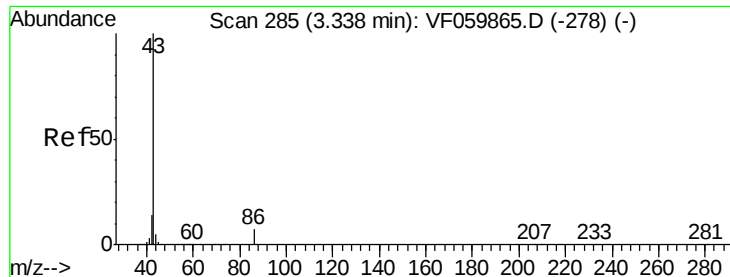
Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion:	45	Resp:	101415
Ion	Ratio	Lower	Upper
45	100		
43	68.9	52.1	78.1
87	19.4	13.8	20.8
59	9.8	7.5	11.3





#23

Vinyl Acetate

Concen: 126.202 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

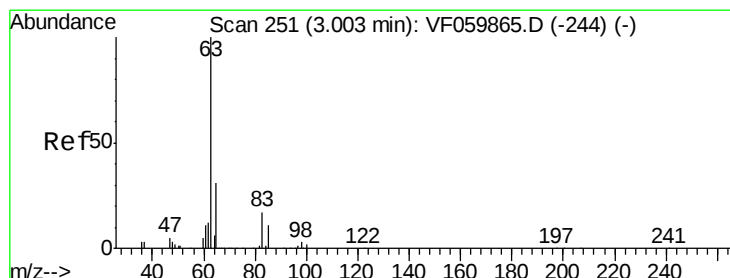
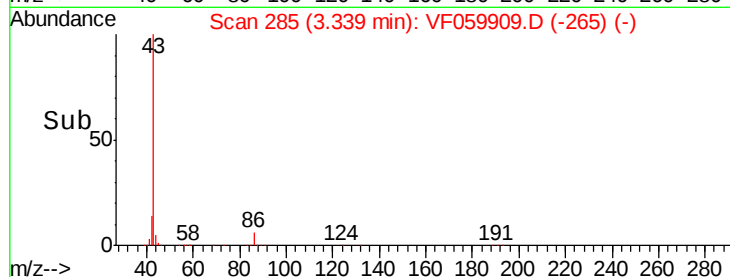
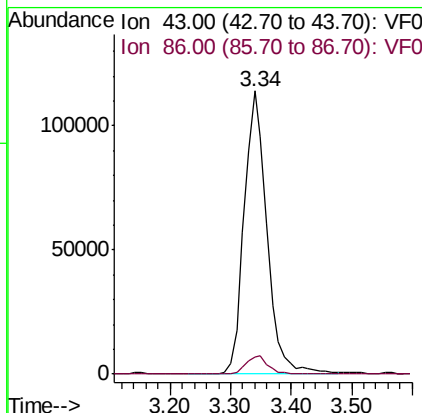
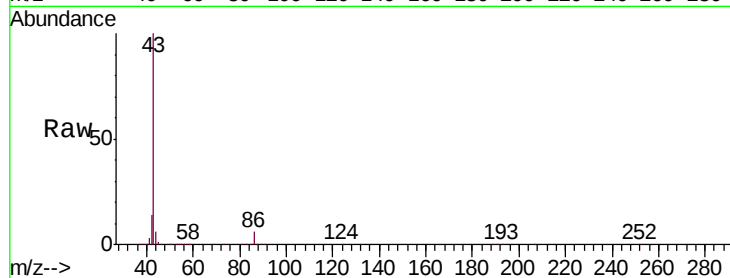
ClientSampleId :

VF0807SBSD01

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
86	6.2	5.6	8.4

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#24

1,1-Dichloroethane

Concen: 22.281 ug/l

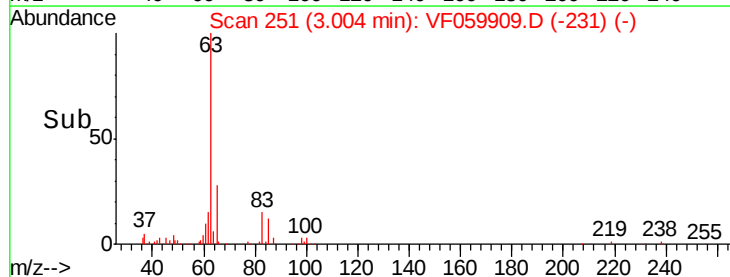
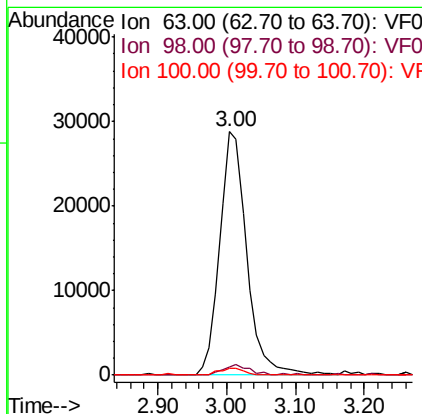
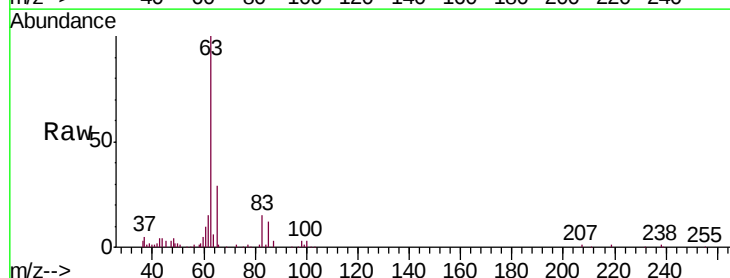
RT: 3.00 min Scan# 251

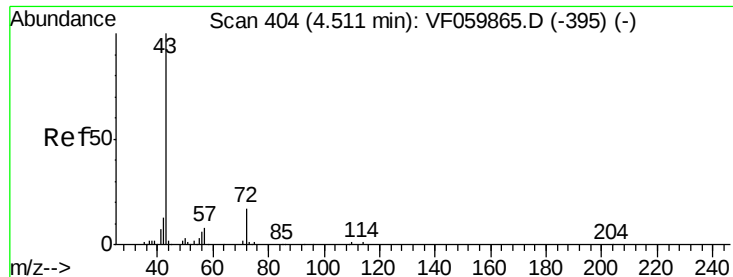
Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp Lower	Upper
63	100		
98	3.4	1.9	5.7
100	2.6	1.1	3.5





#25

2-Butanone

Concen: 111.614 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBSD01

Tgt Ion: 43 Resp: 68326

Ion Ratio Lower Upper

43 100

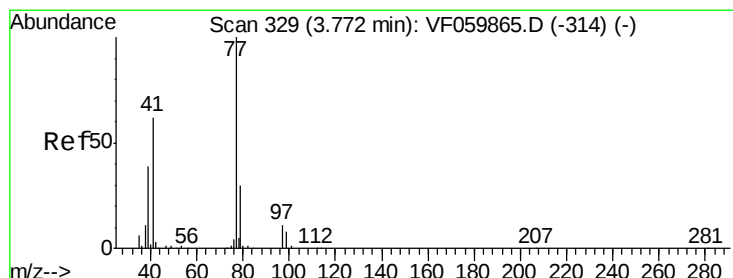
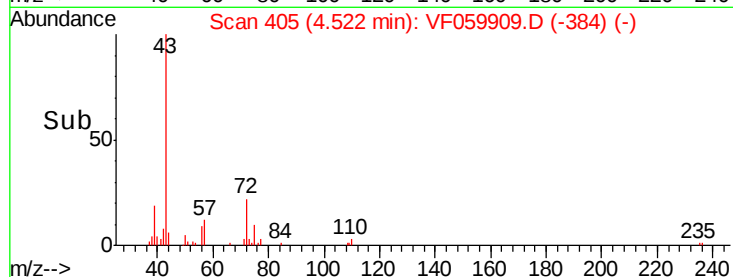
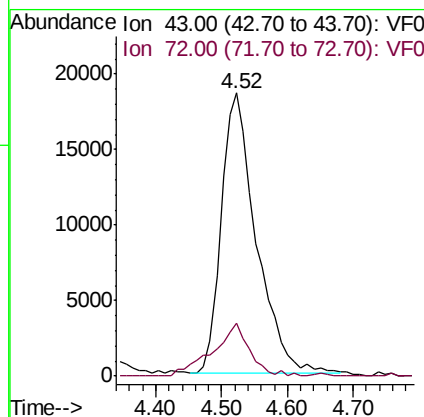
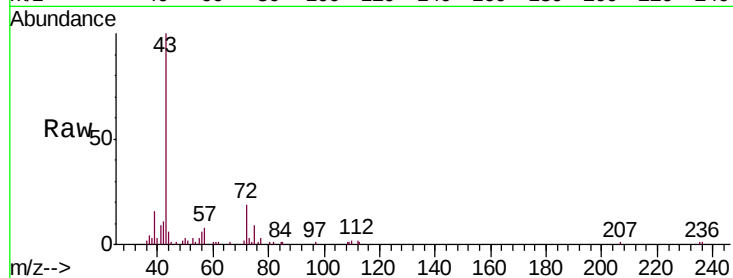
72 18.9 13.9 20.9

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#26

2,2-Dichloropropane

Concen: 21.700 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059909.D

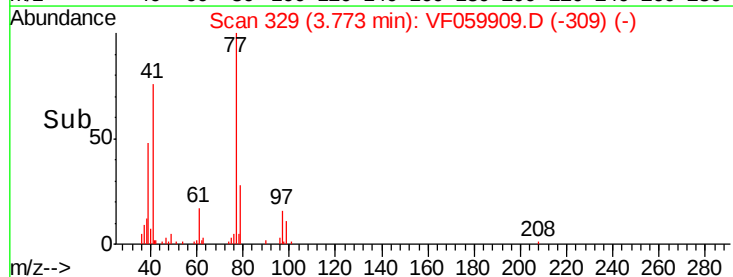
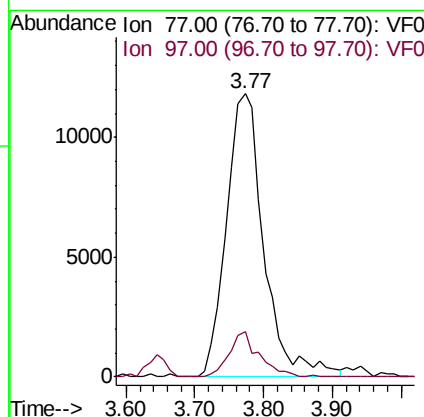
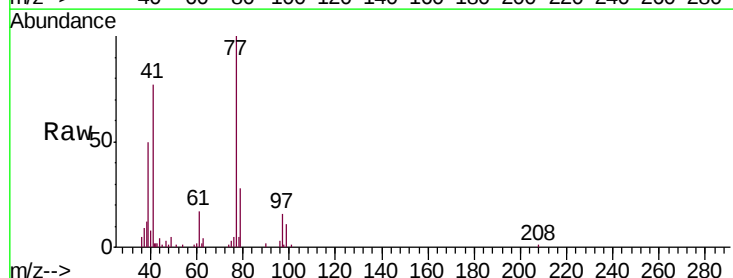
Acq: 7 Aug 2018 8:31

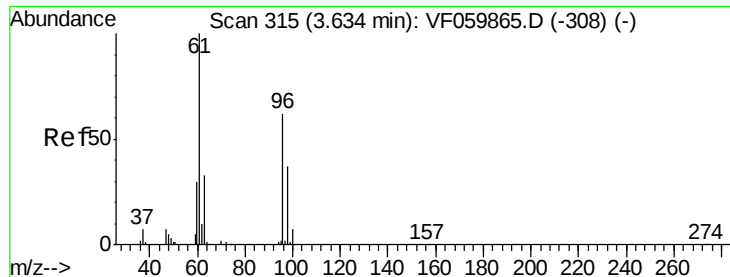
Tgt Ion: 77 Resp: 44586

Ion Ratio Lower Upper

77 100

97 15.9 6.8 20.3





#27

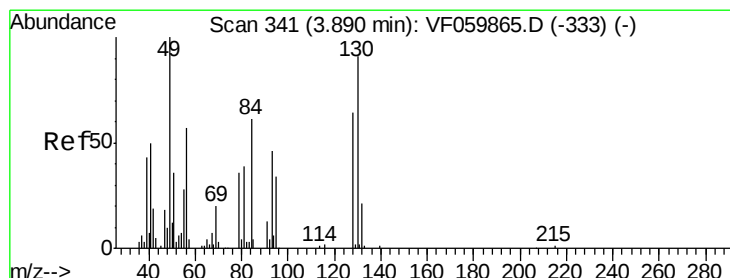
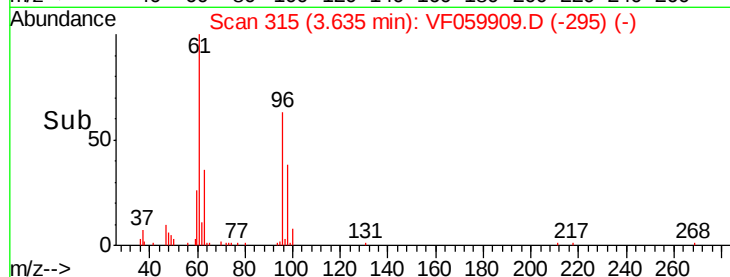
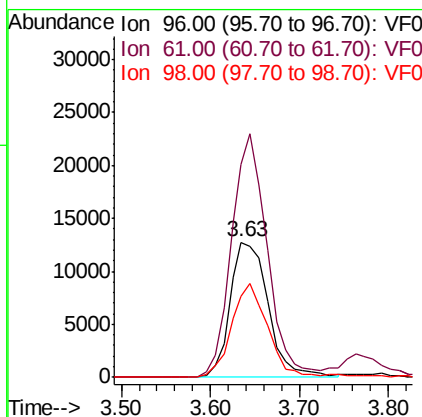
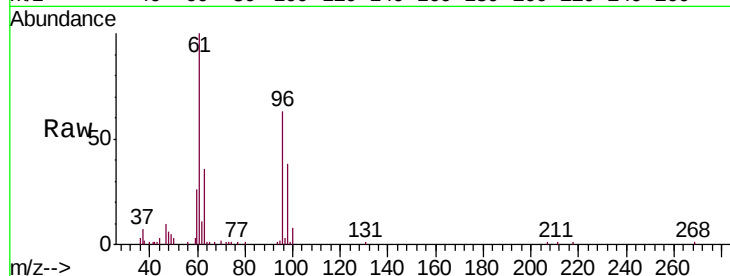
cis-1,2-Dichloroethene
Concen: 22.611 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	38161		
61	157.9	0.0	320.8	
98	60.4	0.0	117.6	

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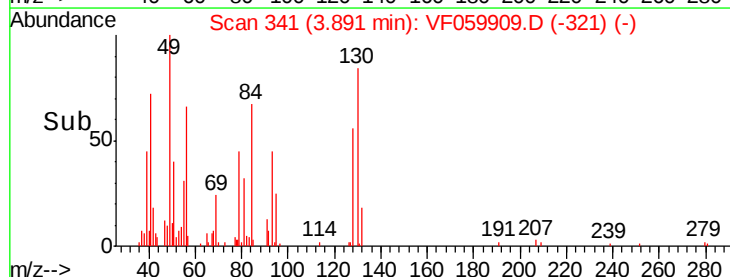
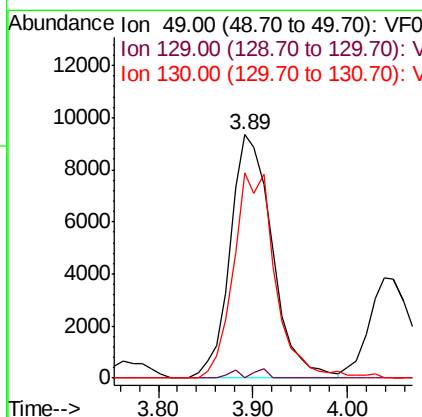
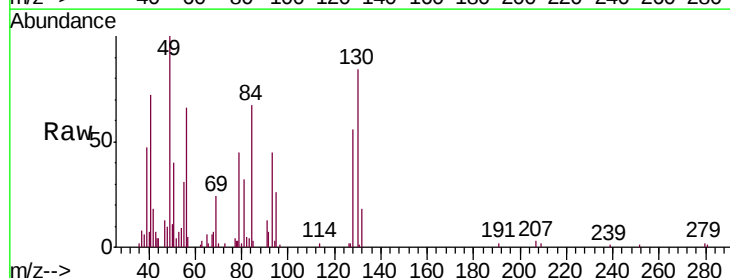
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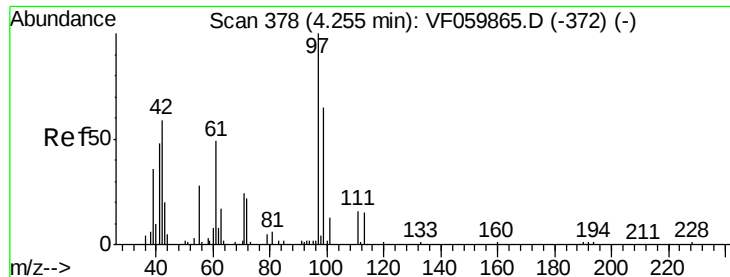


#28

Bromochloromethane
Concen: 23.186 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28896		
129	0.0	0.0	4.6	
130	85.6	73.8	110.8	





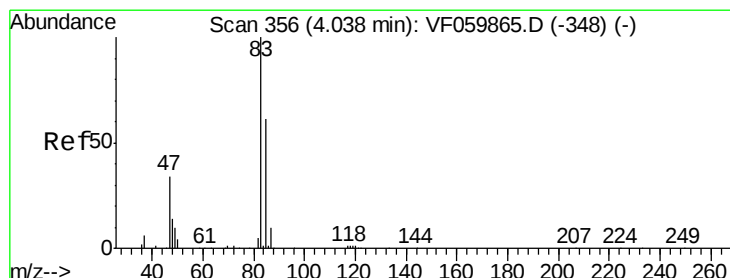
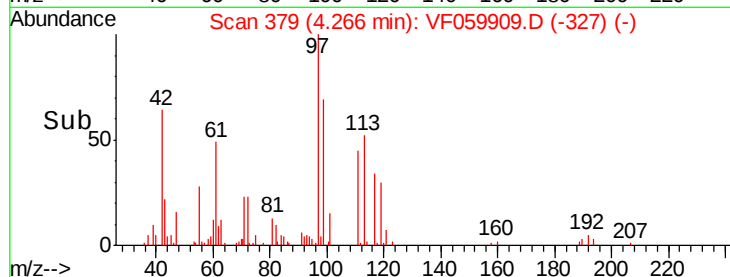
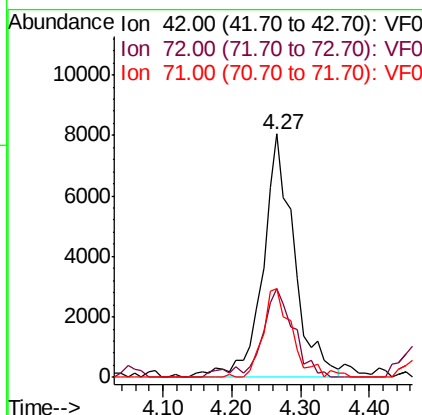
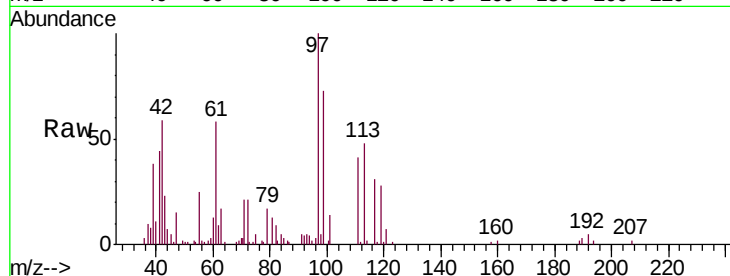
#29
Tetrahydrofuran
Concen: 113.321 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	25538		
72	36.0		29.3	43.9
71	33.9		30.0	45.0

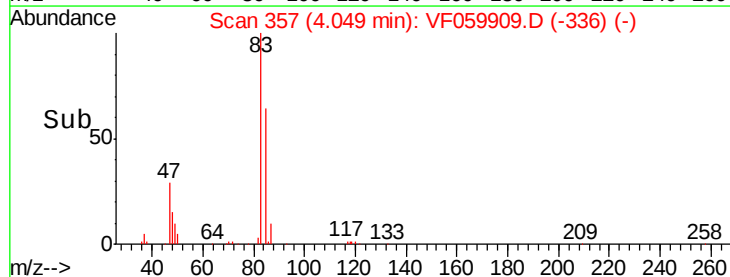
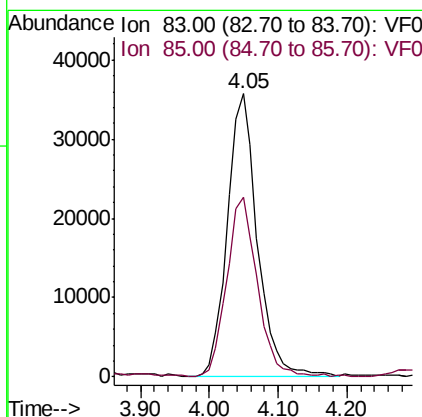
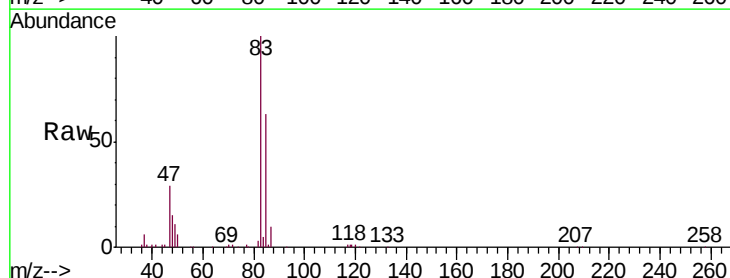
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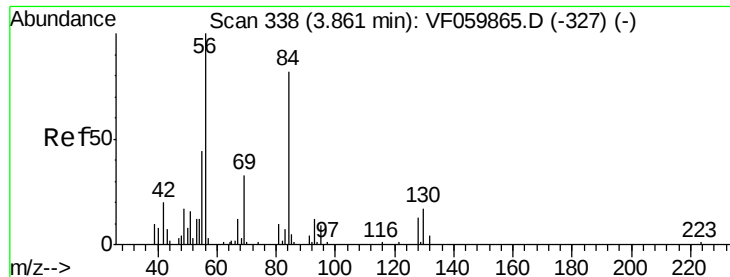
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#30
Chloroform
Concen: 22.719 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	108478		
85	63.4		49.3	73.9





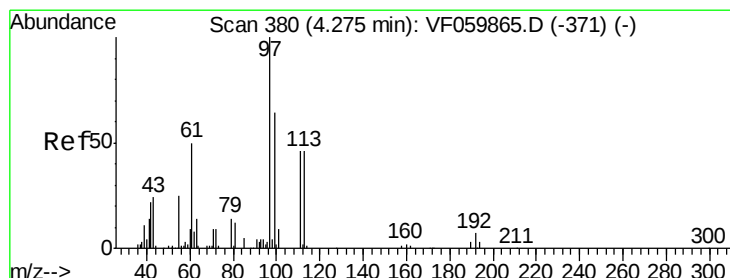
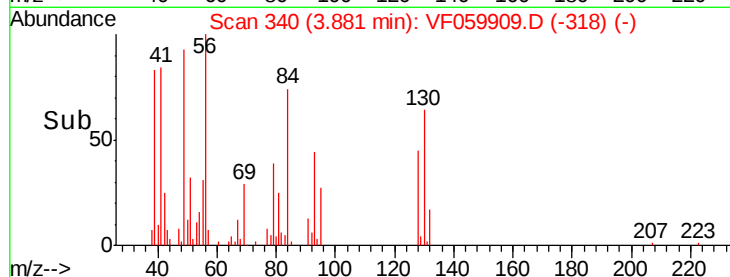
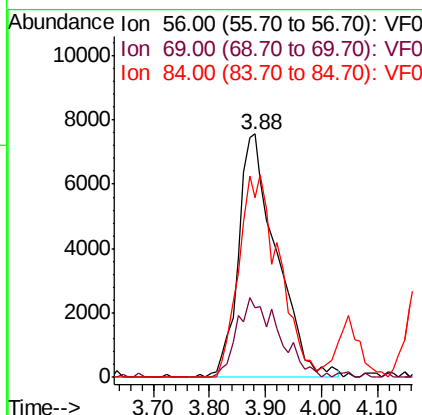
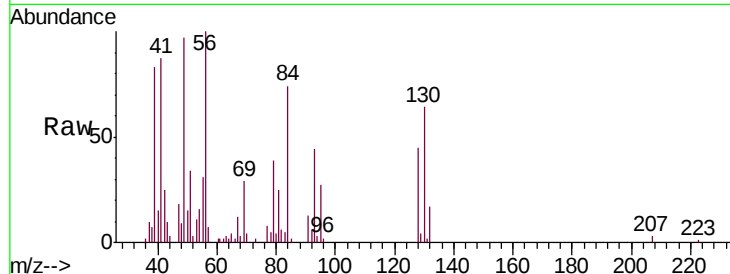
#31
Cyclohexane
Concen: 20.371 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.7	26.7	40.1
84	73.8	65.9	98.9

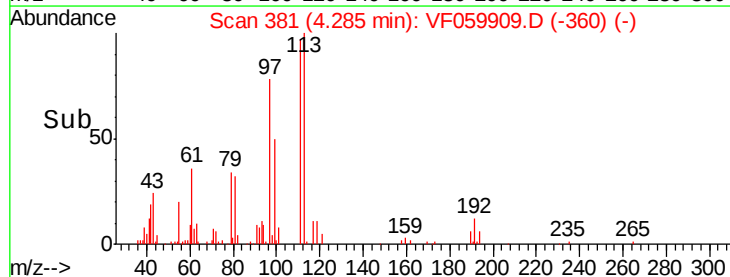
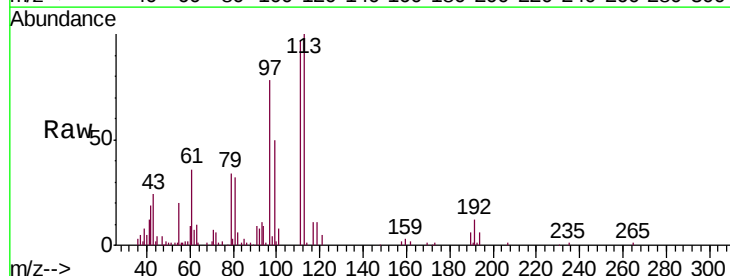
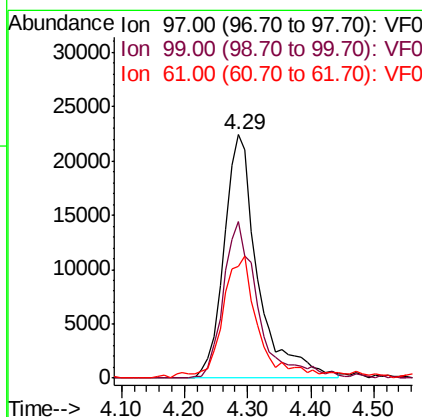
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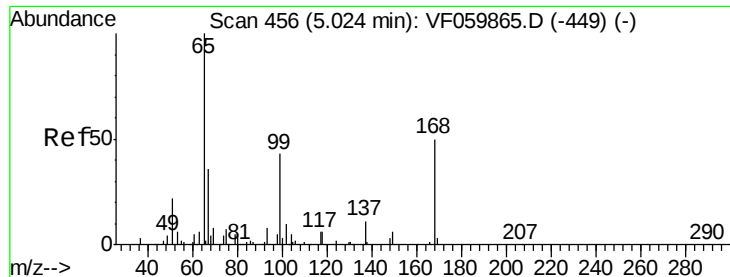
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#32
1,1,1-Trichloroethane
Concen: 21.774 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	45.8	40.8	61.2





#33

1,2-Dichloroethane-d4

Concen: 57.417 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion: 65 Resp: 175101

Ion Ratio Lower Upper

65 100

67 42.6 0.0 77.2

Instrument :

MSVOA_F

ClientSampleId :

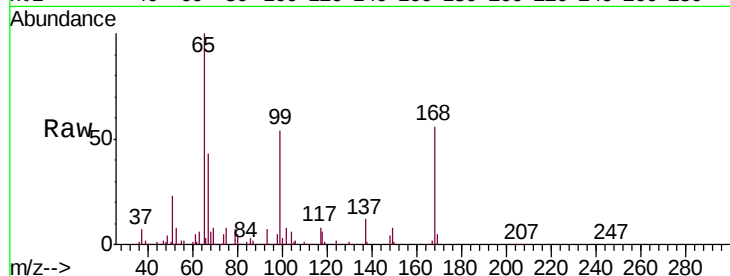
VF0807SBS01

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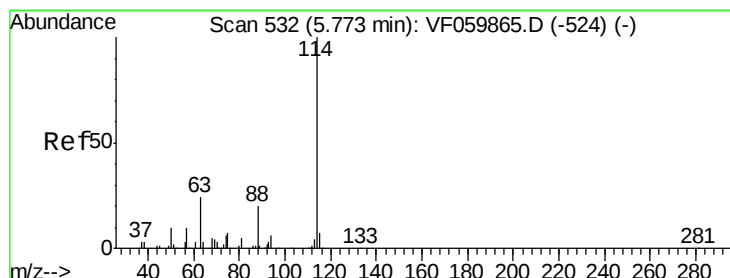
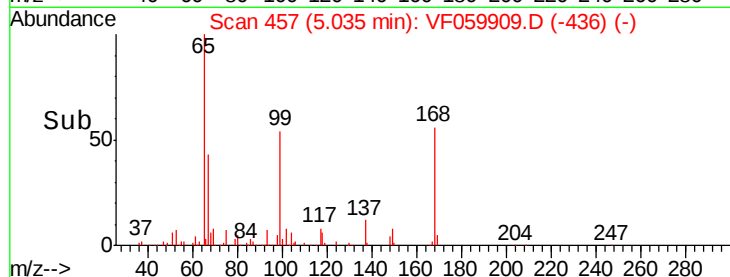
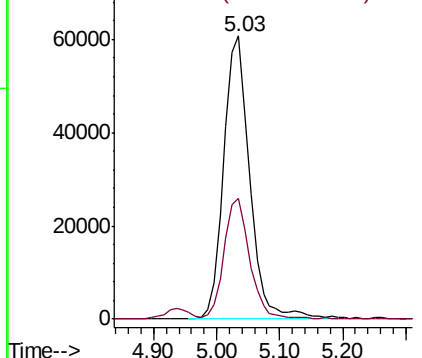
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

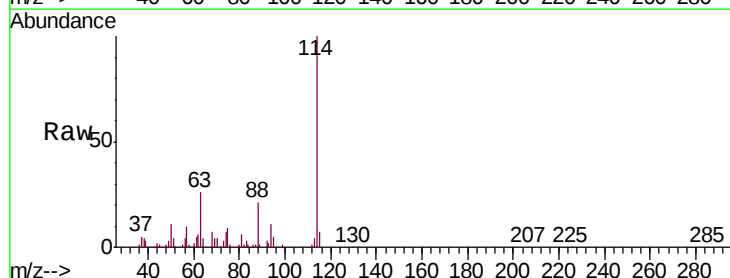
Tgt Ion: 114 Resp: 246419

Ion Ratio Lower Upper

114 100

63 26.1 0.0 48.0

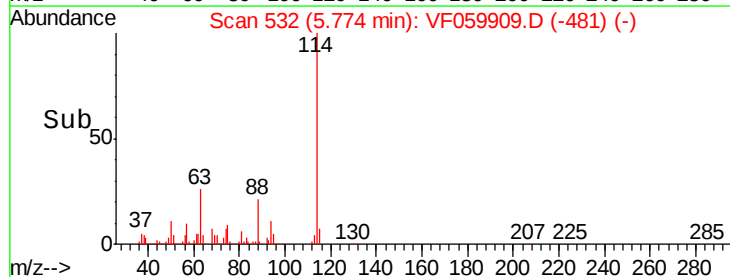
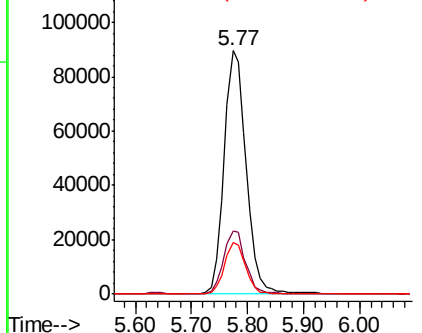
88 21.3 0.0 39.4

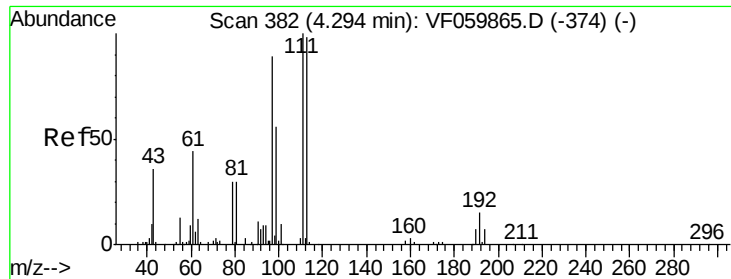


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 53.845 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

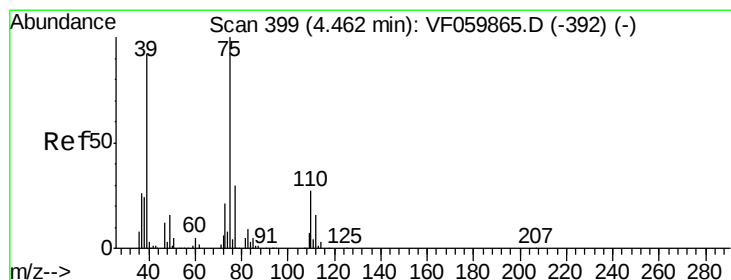
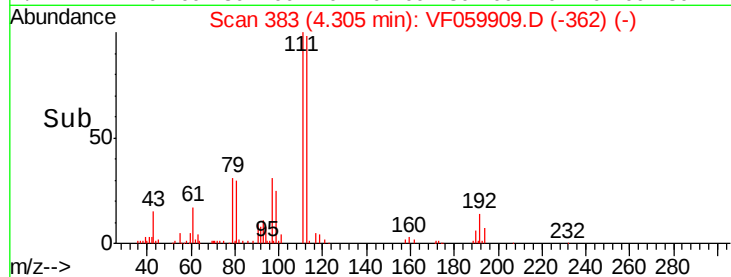
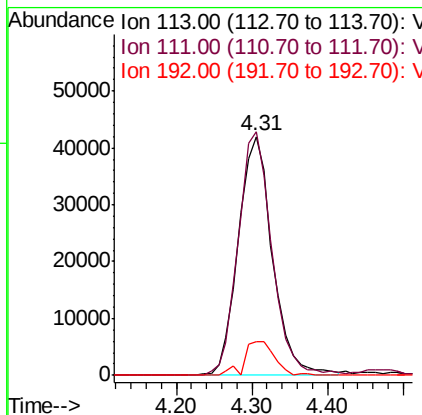
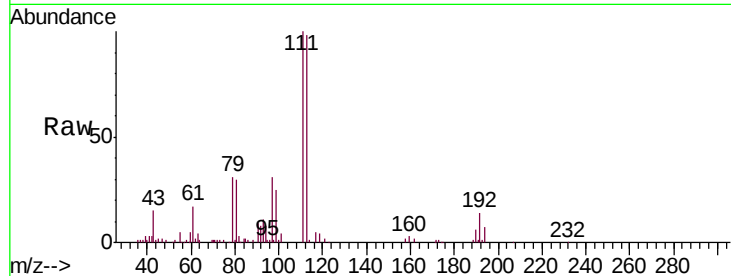
ClientSampleId :

VF0807SBSD01

Tgt Ion:	113	Resp:	132015
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.8	122.8
192	14.0	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 20.206 ug/l

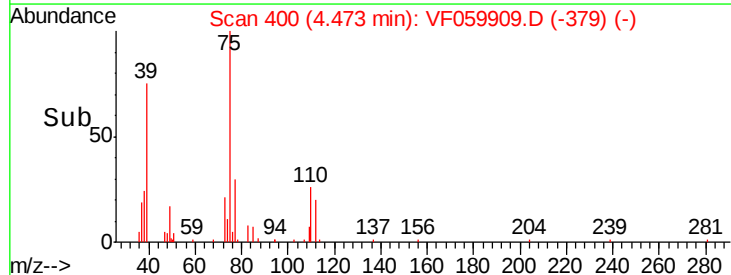
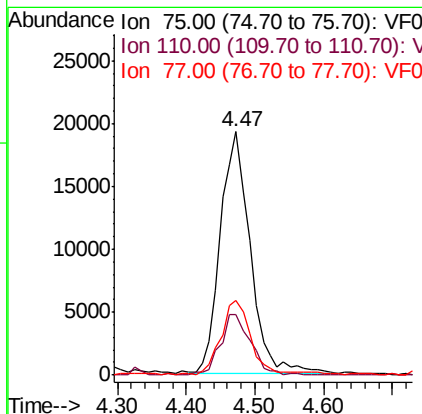
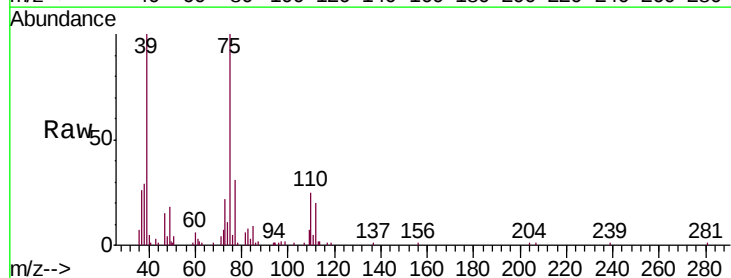
RT: 4.47 min Scan# 400

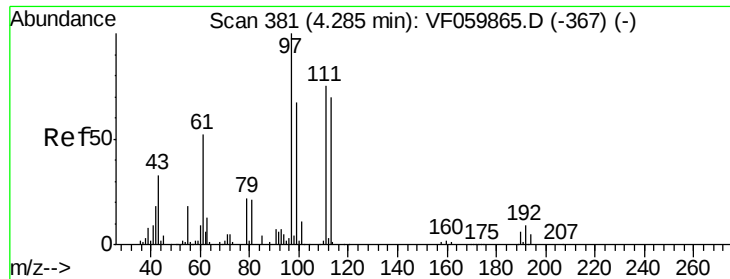
Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion:	75	Resp:	57593
Ion Ratio	Lower	Upper	
75	100		
110	24.7	13.6	40.7
77	30.8	23.7	35.5





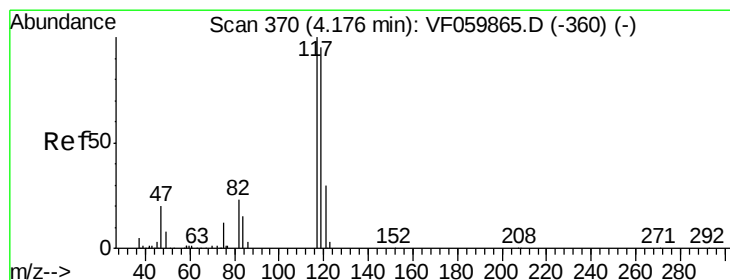
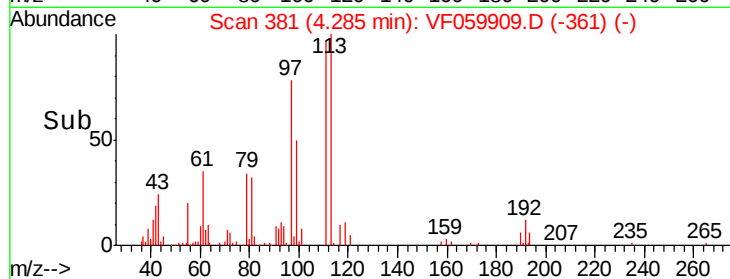
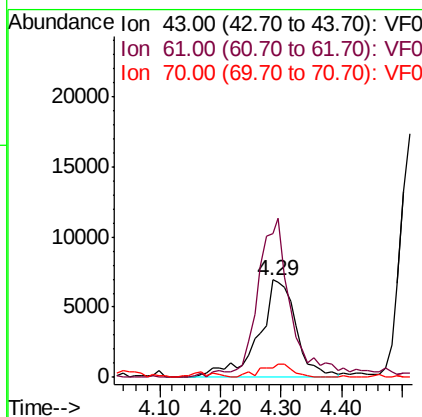
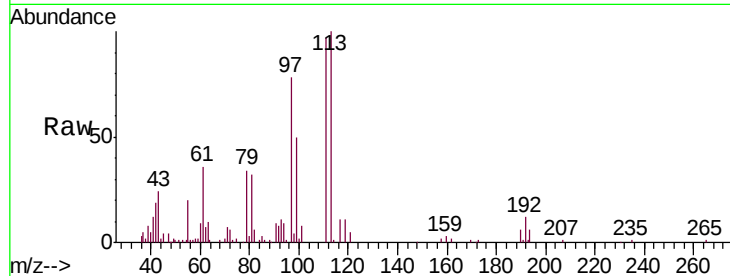
#37
Ethyl Acetate
Concen: 24.335 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	148.5	123.7	185.5
70	9.1	7.8	11.8

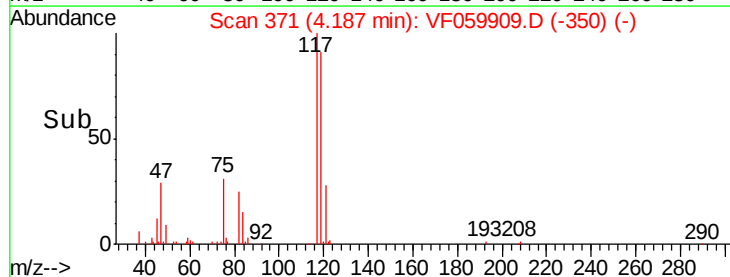
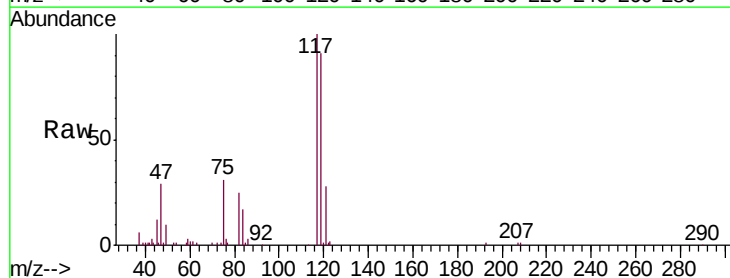
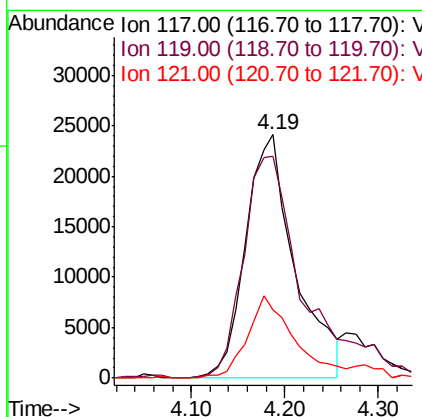
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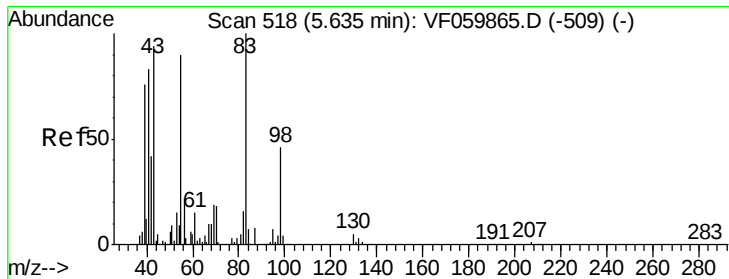
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#38
Carbon Tetrachloride
Concen: 21.670 ug/l m
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	76.5	114.7
121	28.0	23.8	35.8





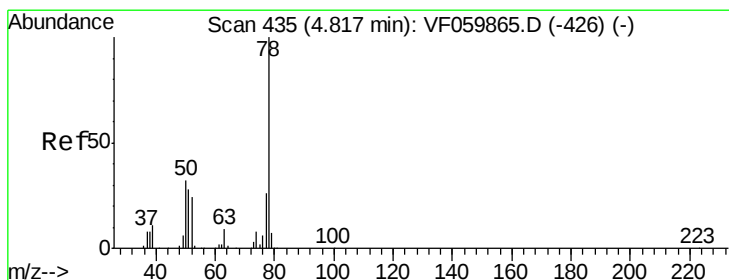
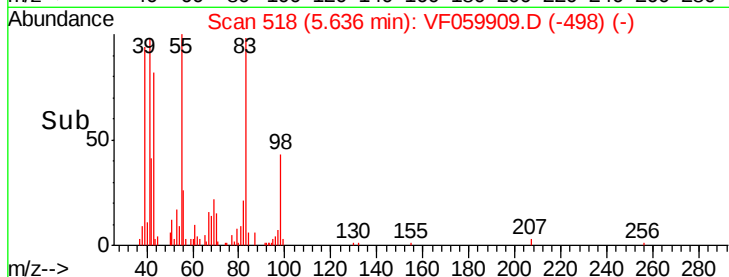
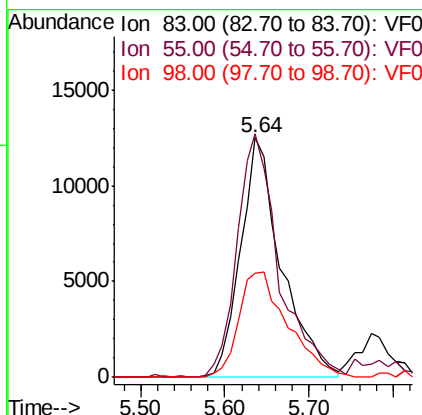
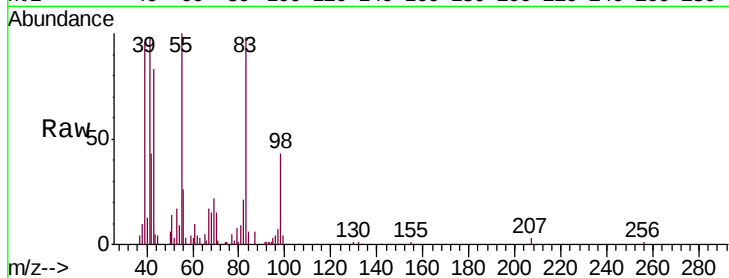
#39
Methylcyclohexane
Concen: 19.901 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	101.6	72.0	108.0
98	43.5	36.6	54.8

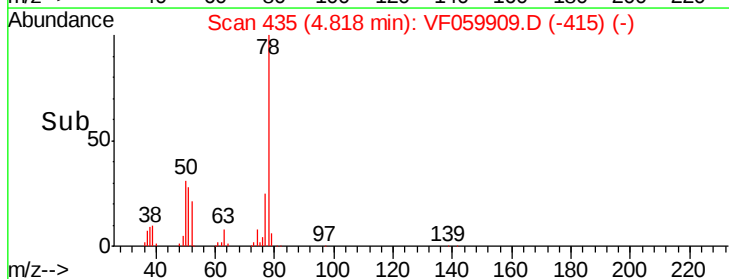
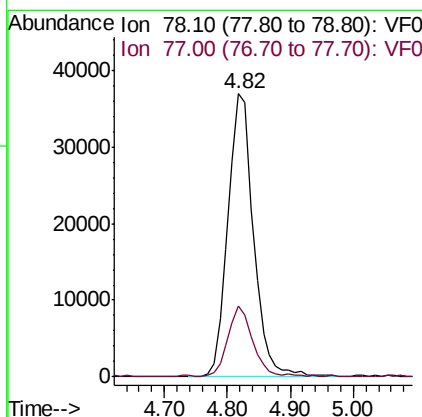
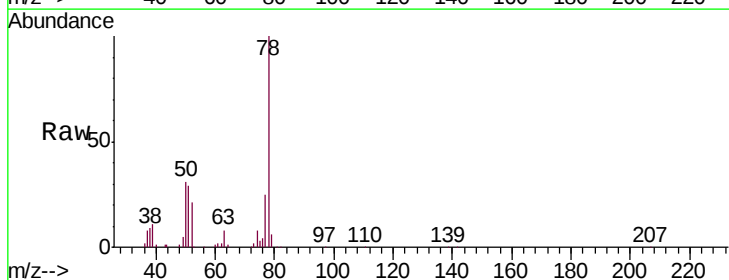
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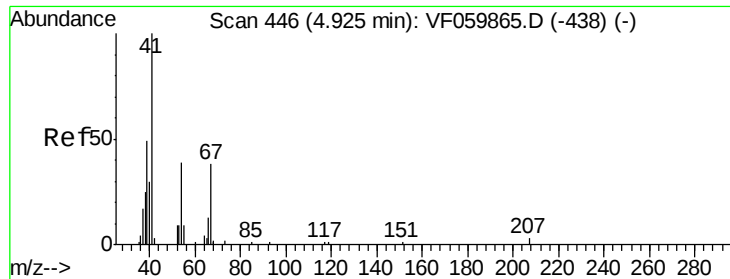
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#40
Benzene
Concen: 19.388 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	20.7	31.1





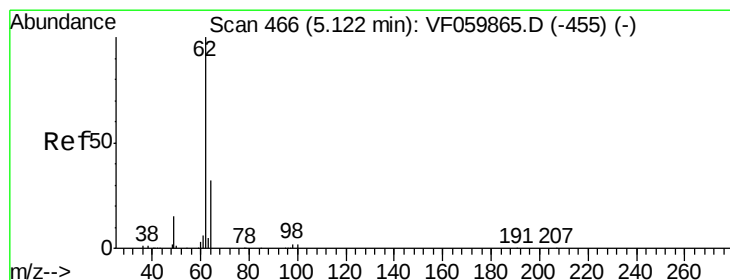
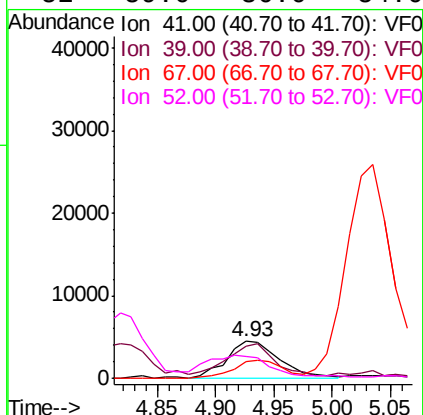
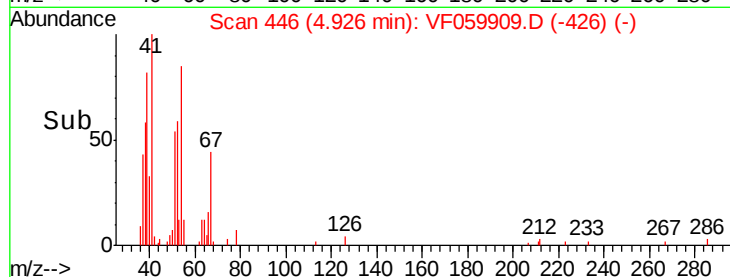
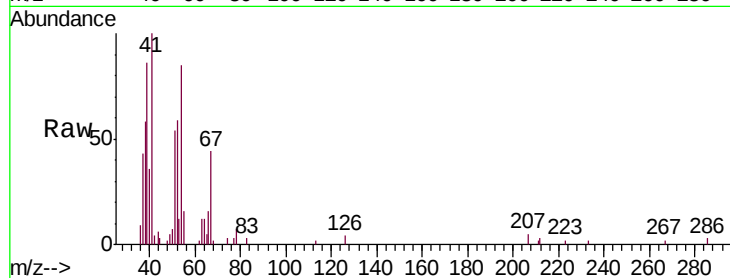
#41
Methacrylonitrile
Concen: 21.732 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	86.0	55.1	82.7#
67	44.2	30.3	45.5
52	59.0	36.0	54.0#

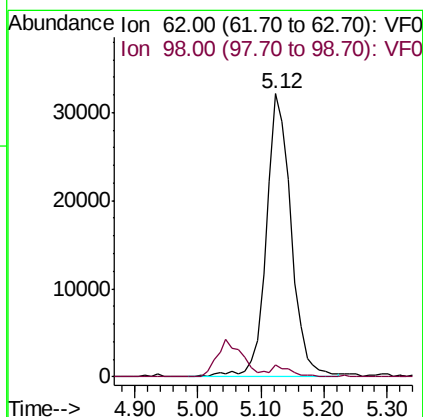
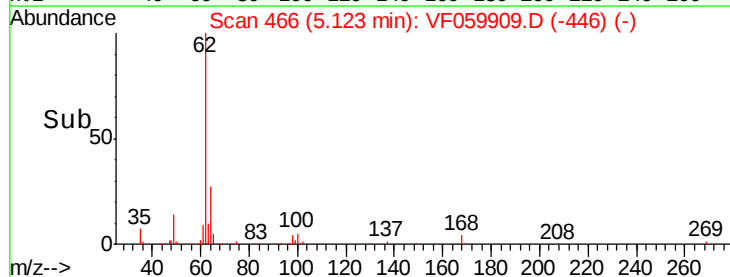
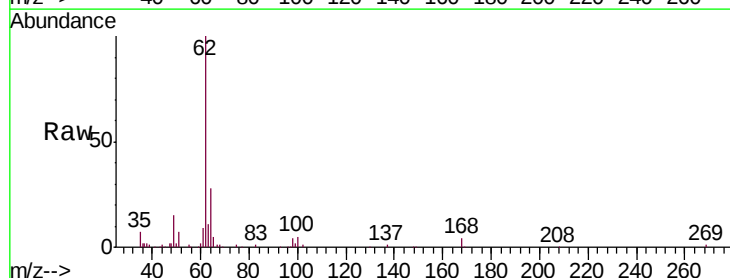
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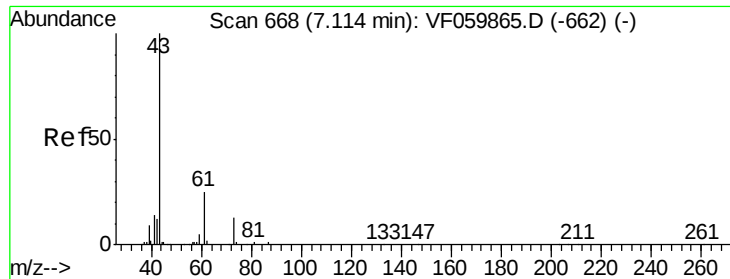
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8/8/2018 11:38:25 AM



#42
1,2-Dichloroethane
Concen: 22.227 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.4	0.0	7.6





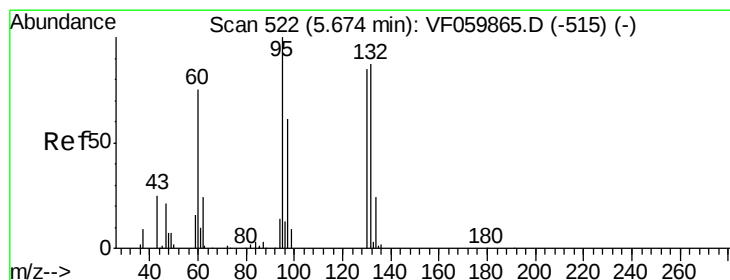
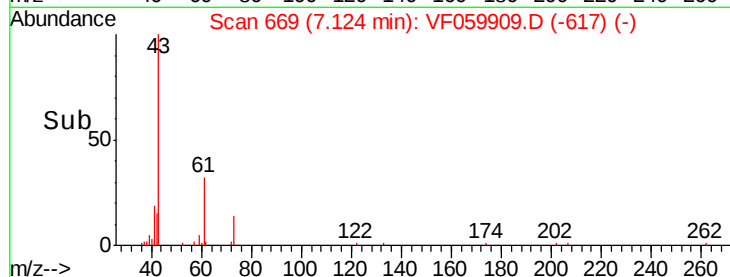
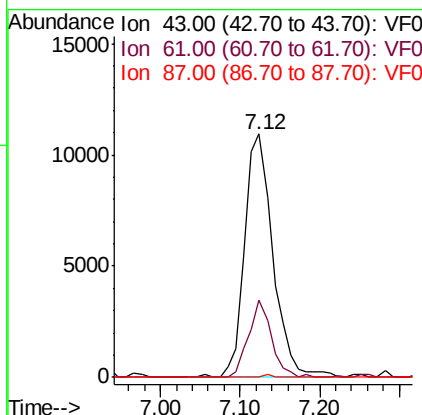
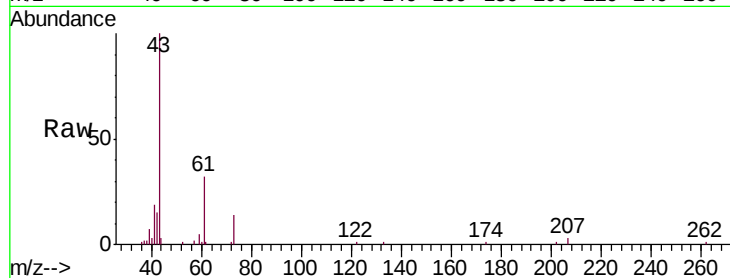
#43
Isopropyl Acetate
Concen: 21.283 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	31.6	20.3	30.5#
87	0.0	0.7	1.1#

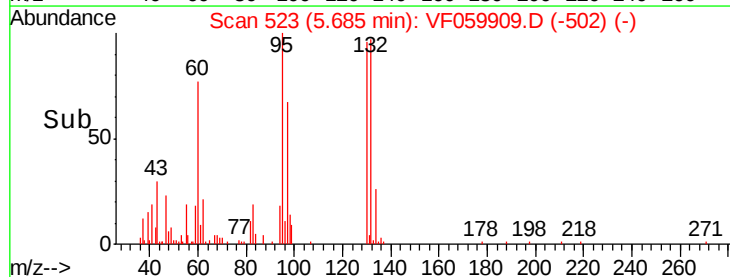
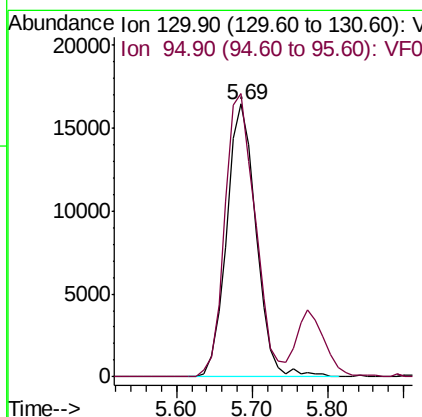
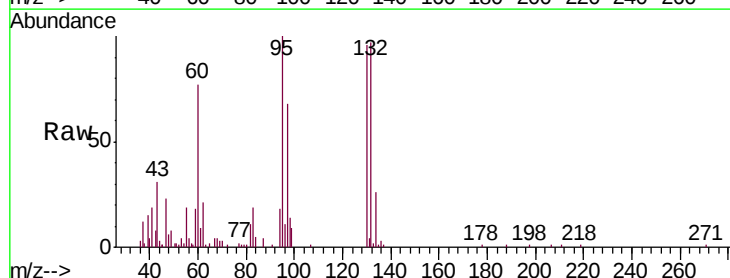
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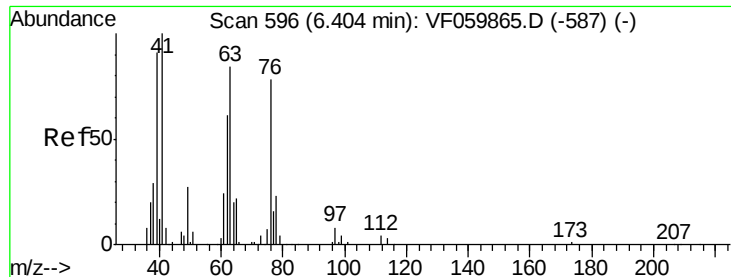
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#44
Trichloroethene
Concen: 23.245 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	236.8





#45

1,2-Dichloropropane

Concen: 22.921 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tgt Ion: 63 Resp: 29980

Ion Ratio Lower Upper

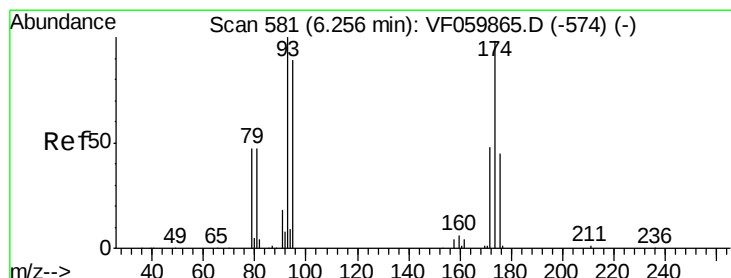
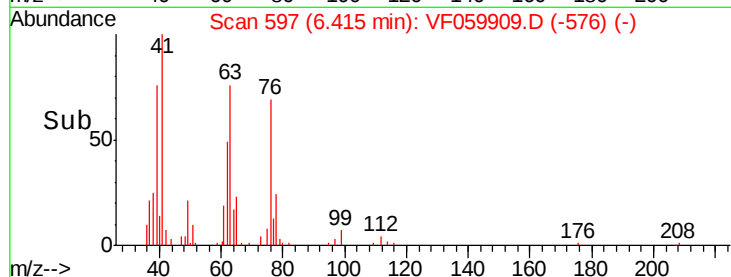
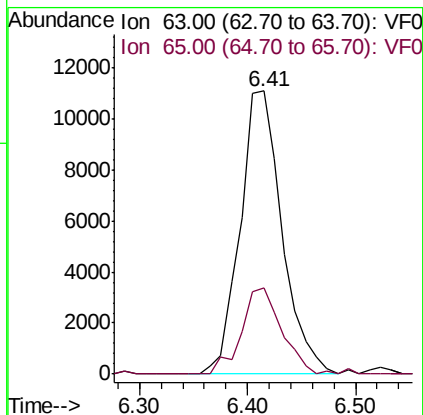
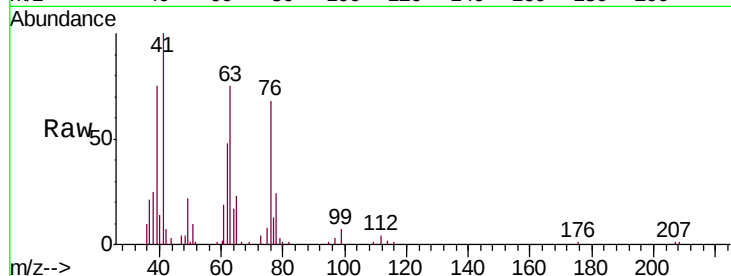
63 100

65 30.5 20.4 30.6

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#46

Dibromomethane

Concen: 21.640 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

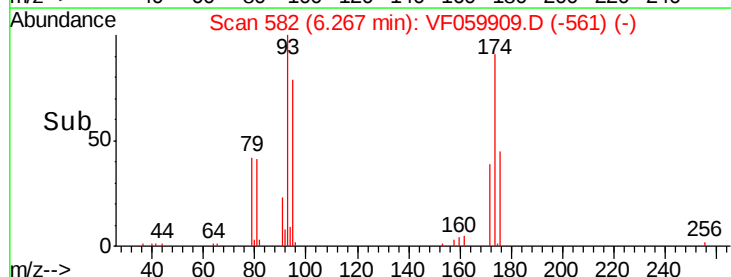
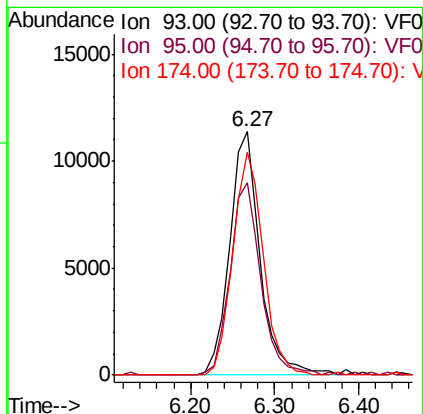
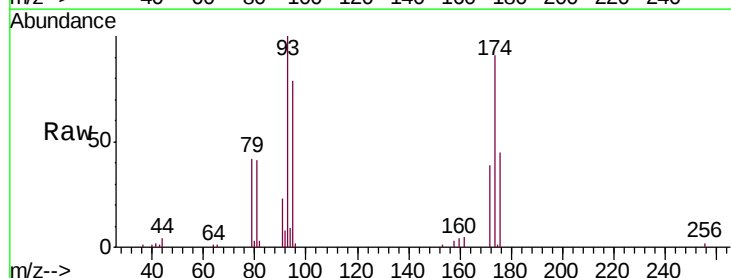
Tgt Ion: 93 Resp: 28560

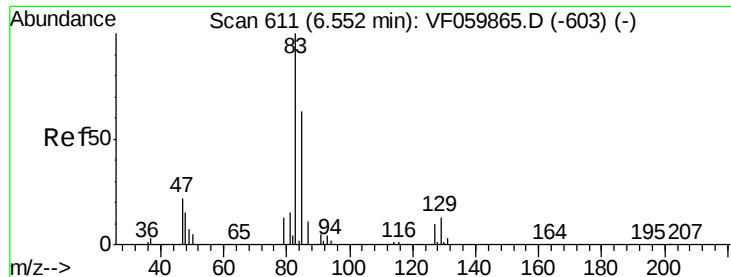
Ion Ratio Lower Upper

93 100

95 80.7 71.4 107.2

174 92.8 78.1 117.1





#47

Bromodichloromethane

Concen: 21.996 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

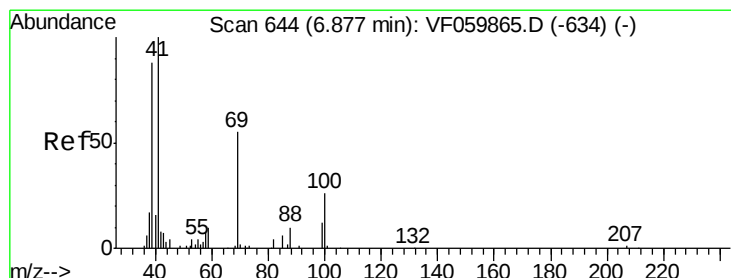
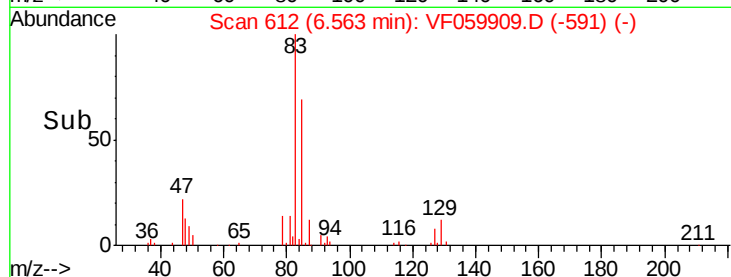
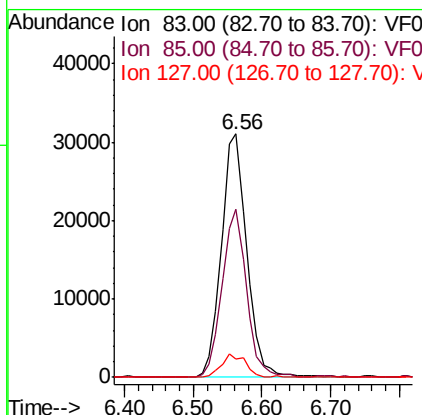
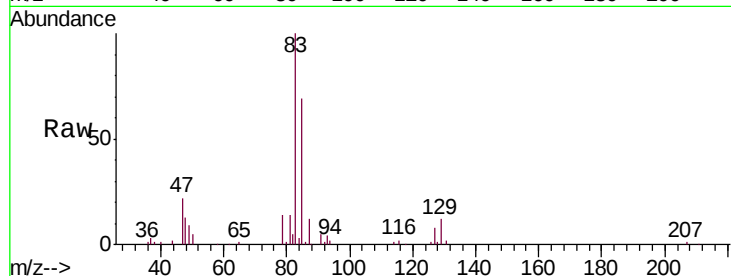
ClientSampleId :

VF0807SBS01

Tgt Ion:	83	Resp:	79401
Ion Ratio	Lower	Upper	
83	100		
85	69.0	50.7	76.1
127	7.8	8.0	12.0#

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#48

Methyl methacrylate

Concen: 22.200 ug/l

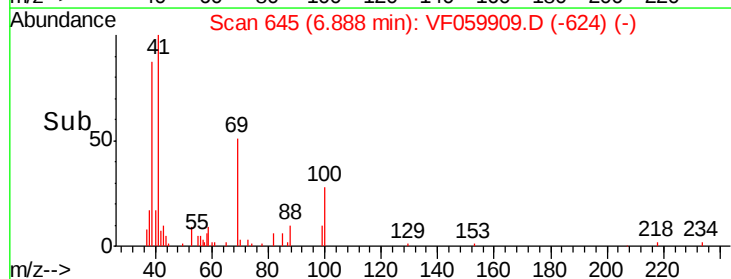
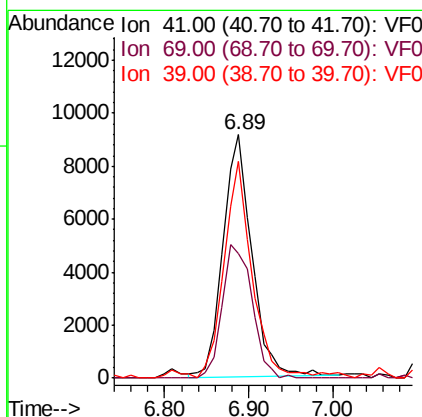
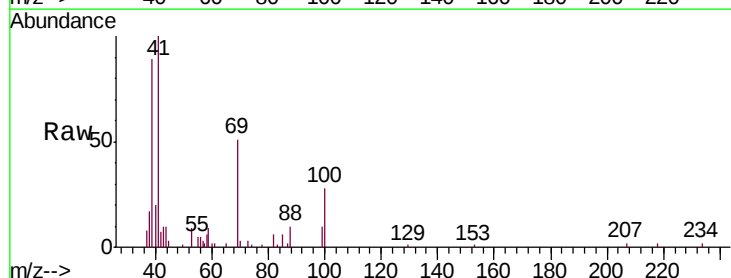
RT: 6.89 min Scan# 645

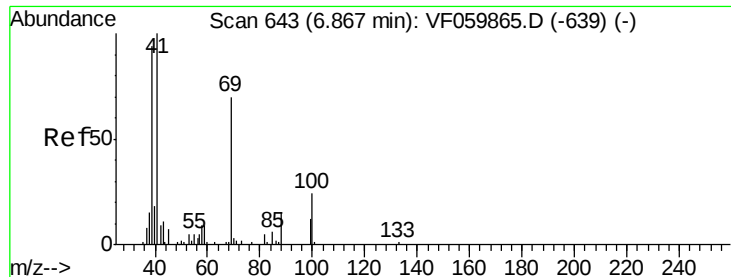
Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion:	41	Resp:	21764
Ion Ratio	Lower	Upper	
41	100		
69	51.0	44.4	66.6
39	89.0	70.6	106.0





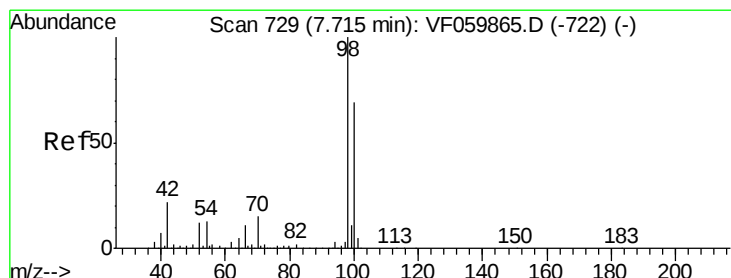
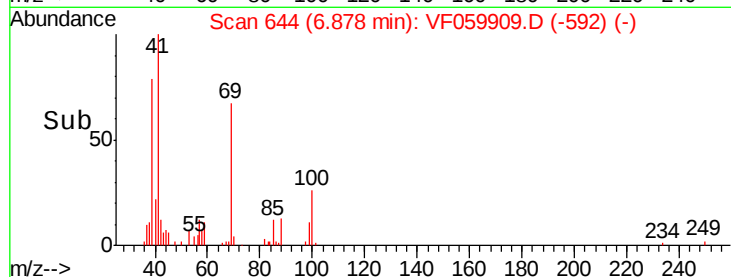
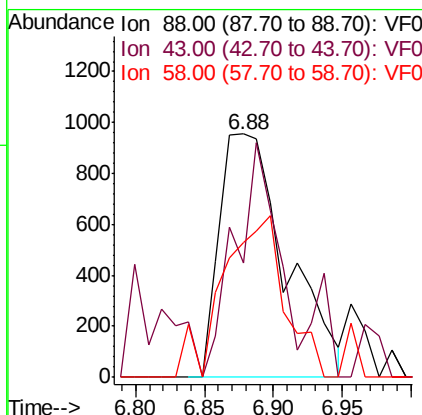
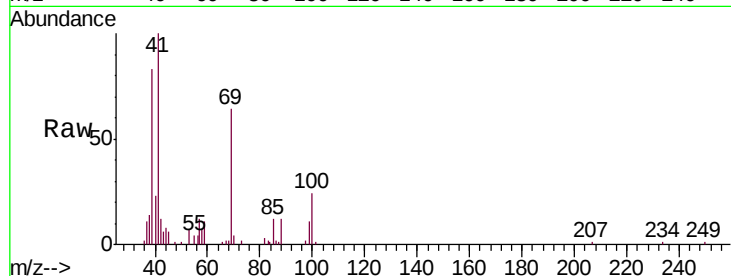
#49
1,4-Dioxane
Concen: 500.051 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	3214		
43	46.8		58.3	87.5#
58	55.4		49.4	74.2

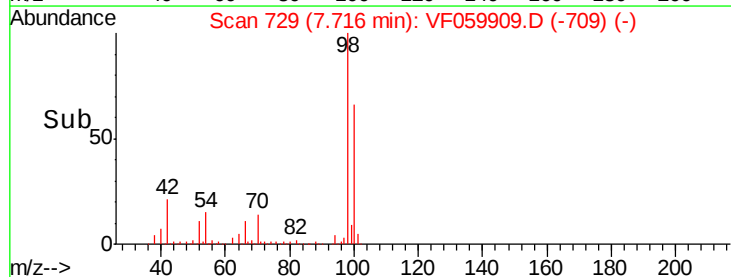
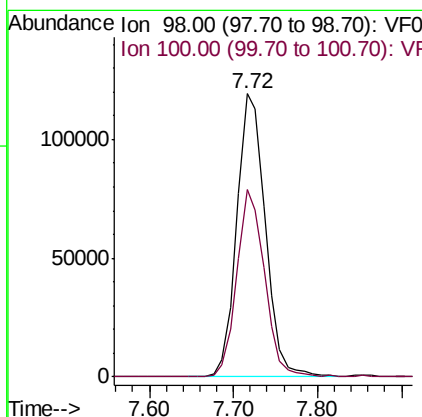
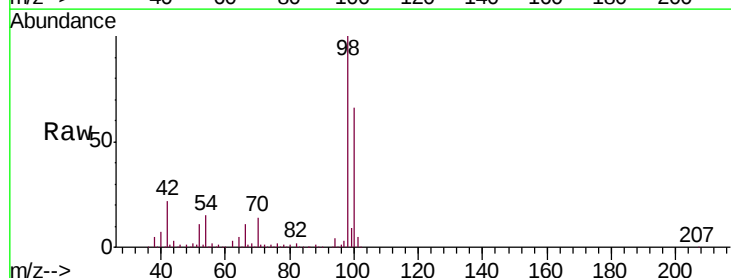
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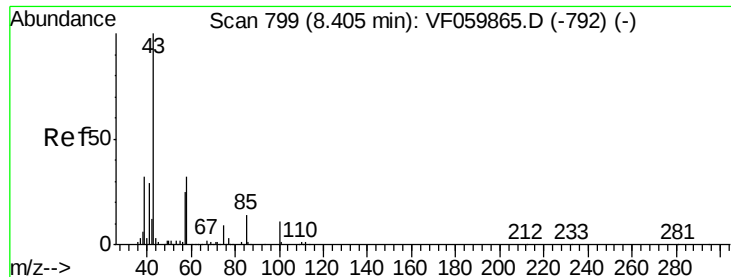
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#50
Toluene-d8
Concen: 54.132 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	282387		
100	66.3		55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 117.448 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBSD01

Tgt Ion: 43 Resp: 151325

Ion Ratio Lower Upper

43 100

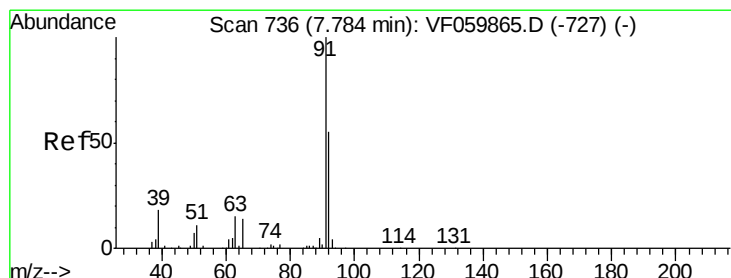
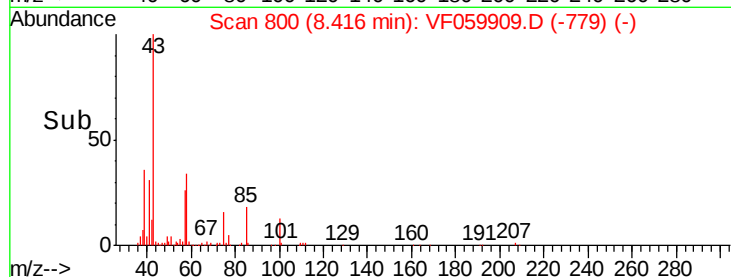
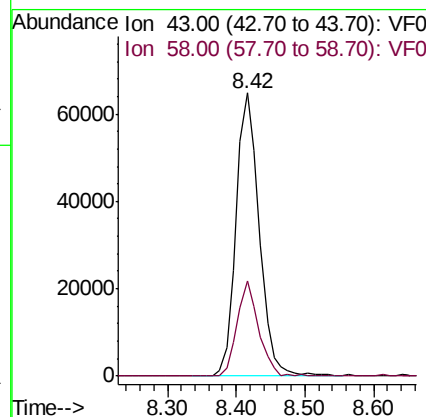
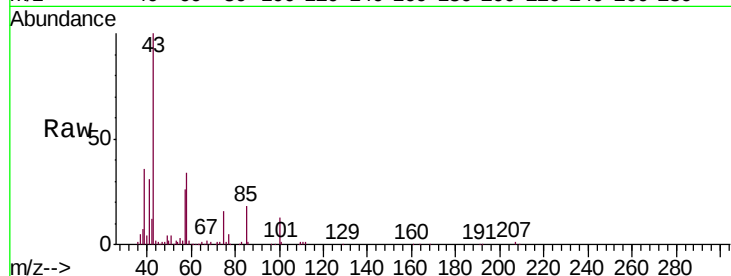
58 33.7 25.4 38.0

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#52

Toluene

Concen: 22.498 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF059909.D

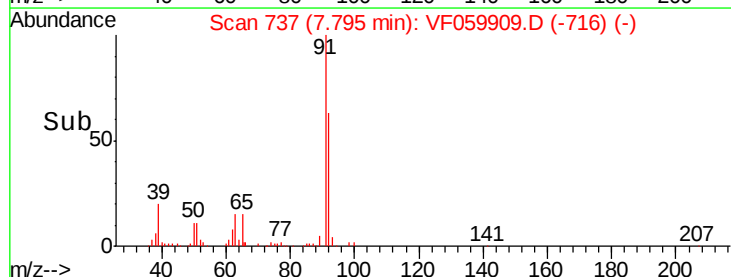
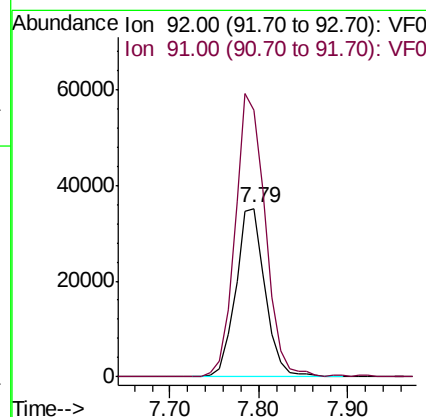
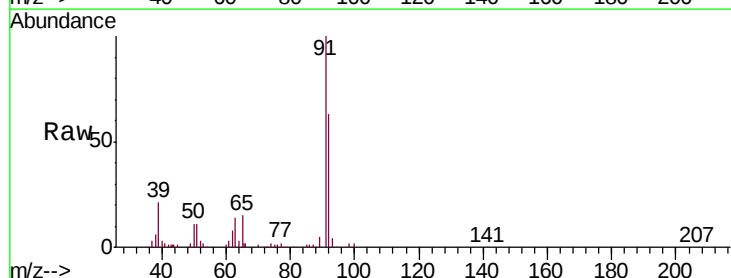
Acq: 7 Aug 2018 8:31

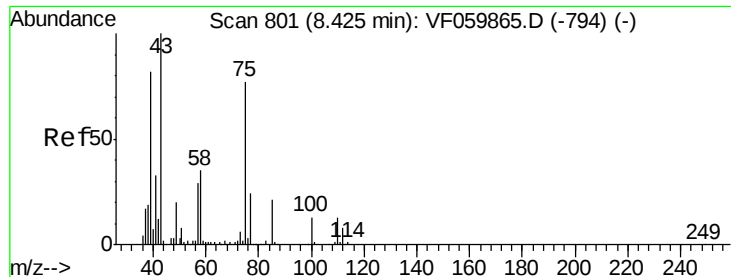
Tgt Ion: 92 Resp: 80992

Ion Ratio Lower Upper

92 100

91 158.7 145.7 218.5





#53

t-1,3-Dichloropropene

Concen: 23.470 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBSD01

Tgt Ion: 75 Resp: 64446

Ion Ratio Lower Upper

75 100

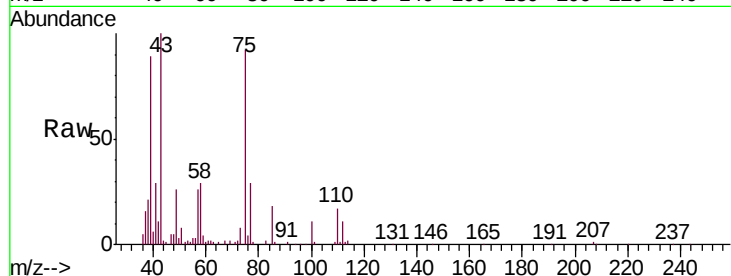
77 31.5 24.5 36.7

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.44

30000

25000

20000

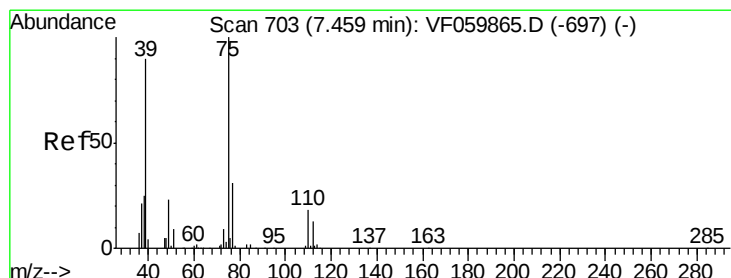
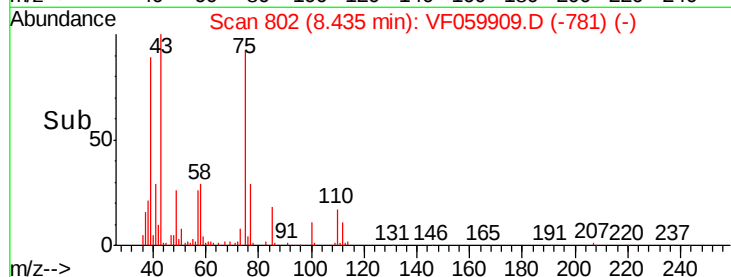
15000

10000

5000

0

Time--> 8.30 8.40 8.50



#54

cis-1,3-Dichloropropene

Concen: 21.587 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

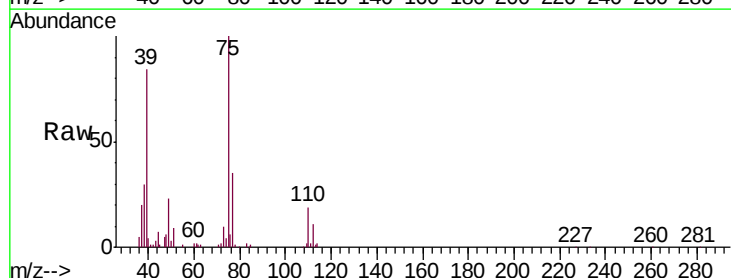
Tgt Ion: 75 Resp: 61176

Ion Ratio Lower Upper

75 100

77 34.6 24.7 37.1

39 83.7 72.0 108.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.47

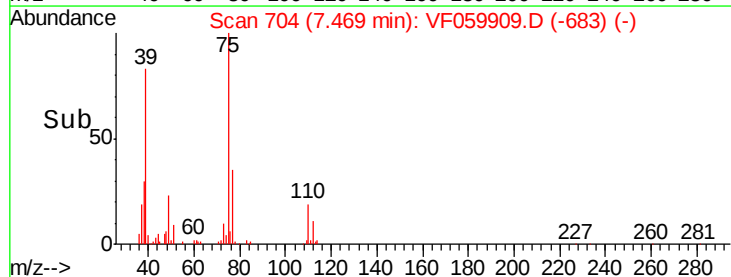
30000

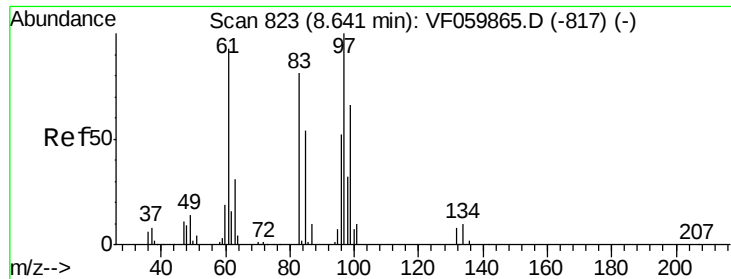
20000

10000

0

Time--> 7.40 7.50 7.60





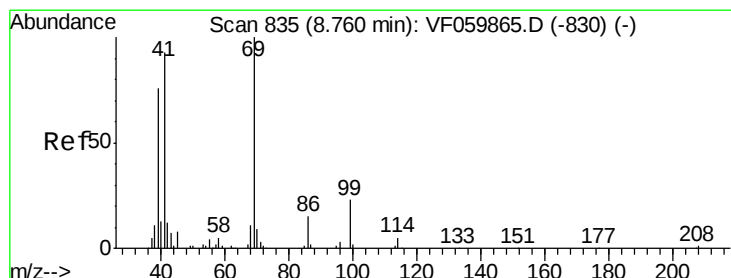
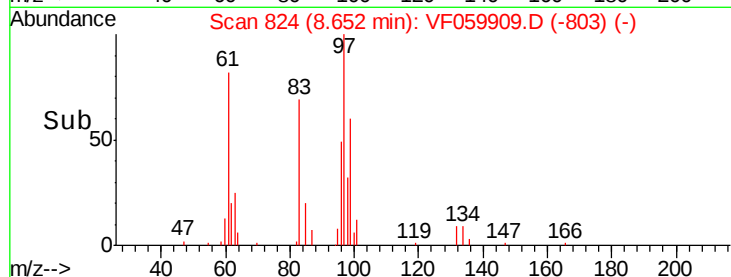
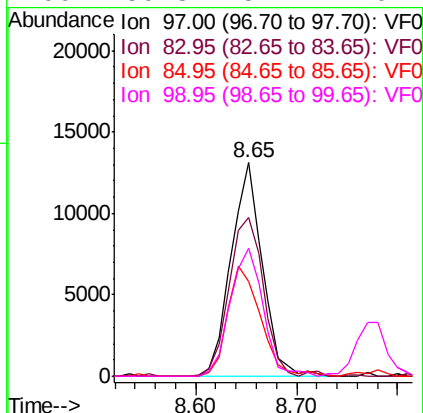
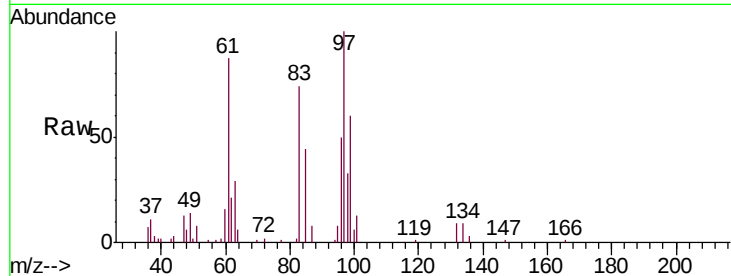
#55
 1,1,2-Trichloroethane
 Concen: 21.829 ug/l
 RT: 8.65 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBS01

Tgt Ion:	97	Resp:	28288
Ion	Ratio	Lower	Upper
97	100		
83	74.4	64.4	96.6
85	44.3	43.1	64.7
99	59.8	52.7	79.1

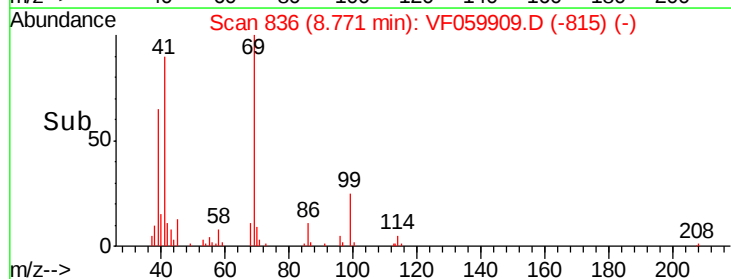
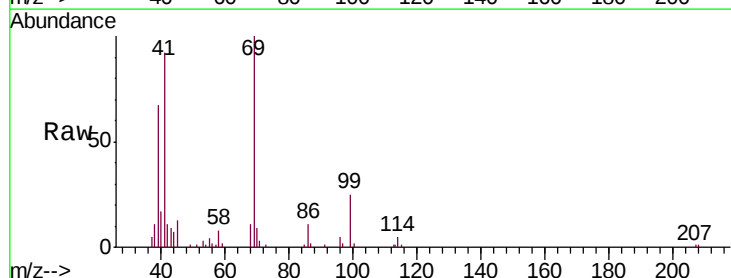
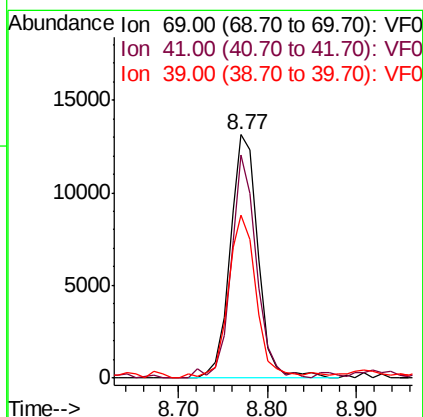
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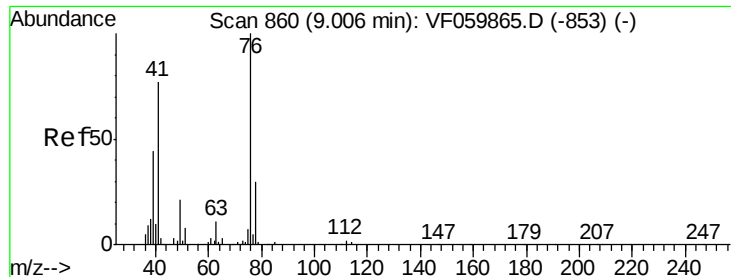
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#56
 Ethyl methacrylate
 Concen: 22.245 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion:	69	Resp:	28773
Ion	Ratio	Lower	Upper
69	100		
41	91.9	74.7	112.1
39	66.8	61.1	91.7





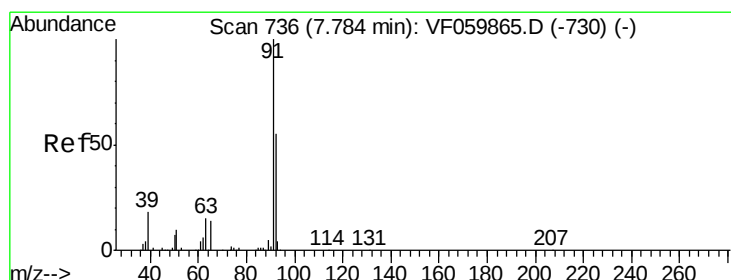
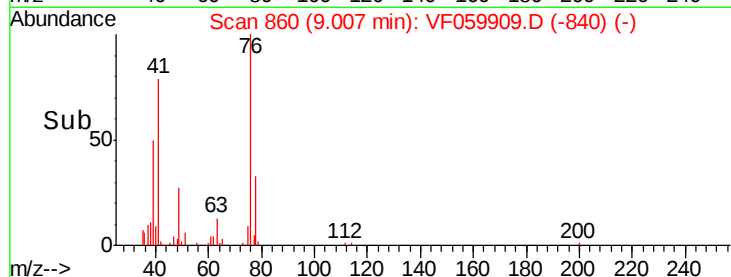
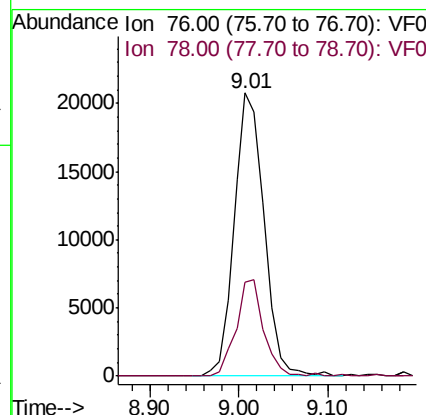
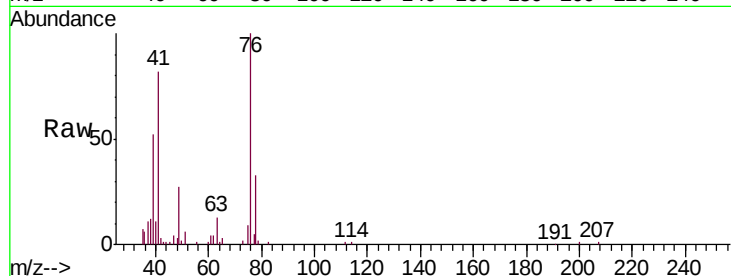
#57
 1,3-Dichloropropane
 Concen: 21.869 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.1	24.2	36.2

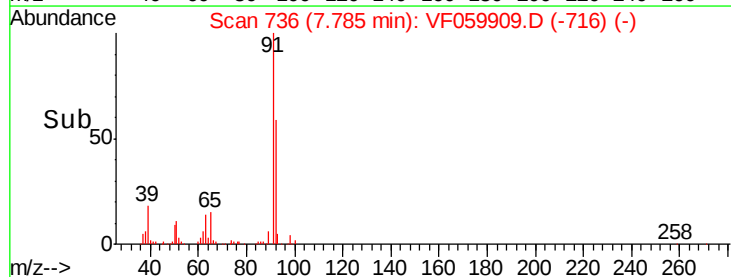
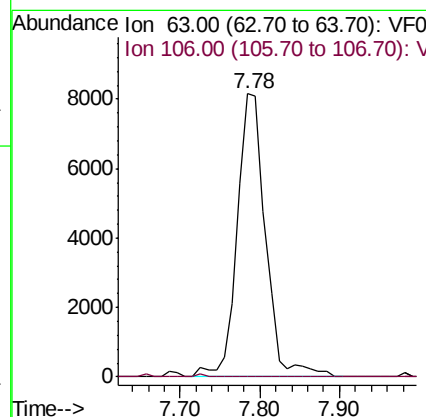
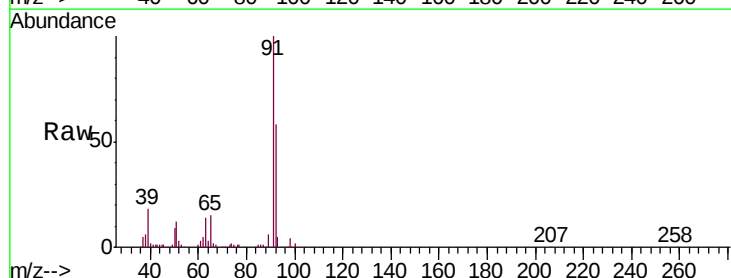
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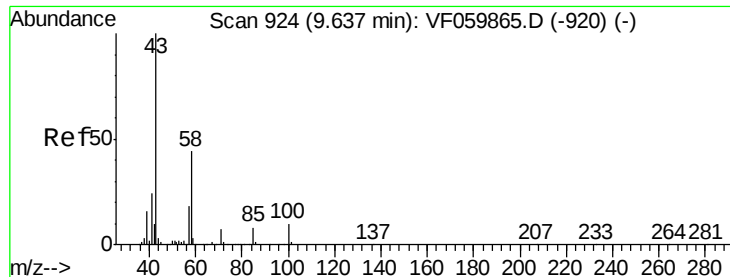
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#58
 2-Chloroethyl Vinyl ether
 Concen: 118.149 ug/l
 RT: 7.78 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





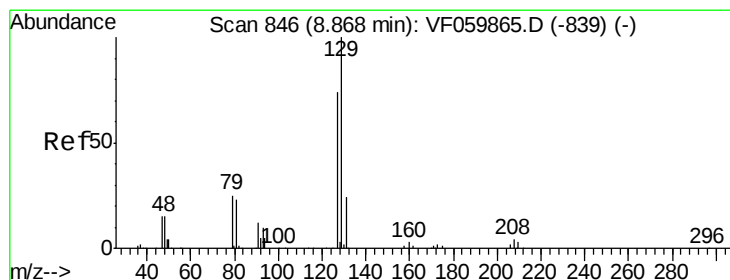
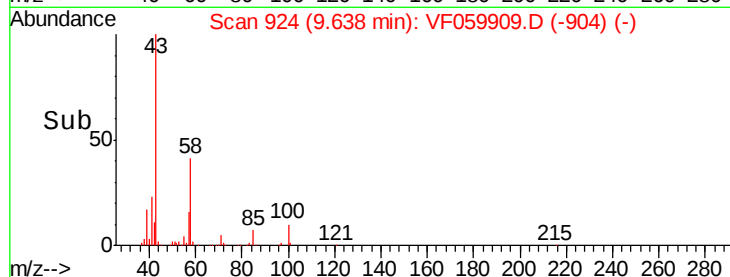
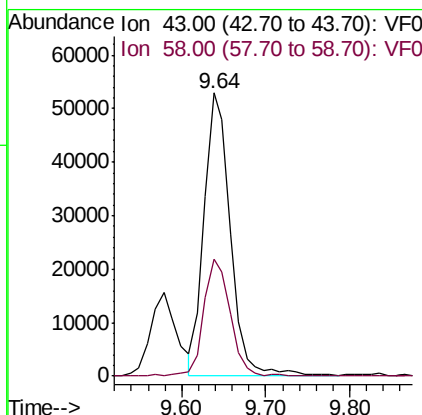
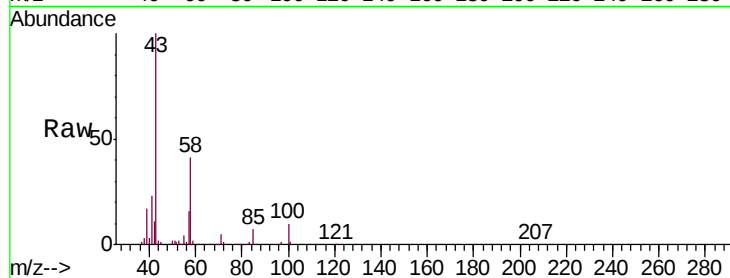
#59
2-Hexanone
Concen: 125.787 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion: 43 Resp: 114486
Ion Ratio Lower Upper
43 100
58 41.4 20.8 62.2

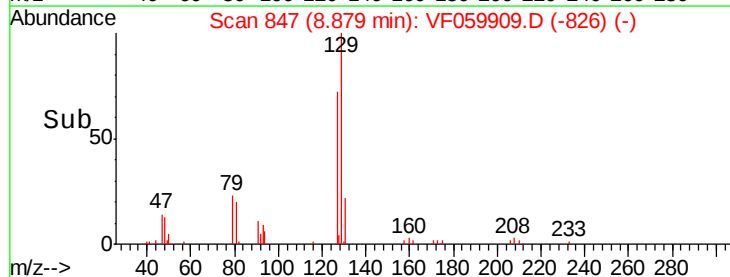
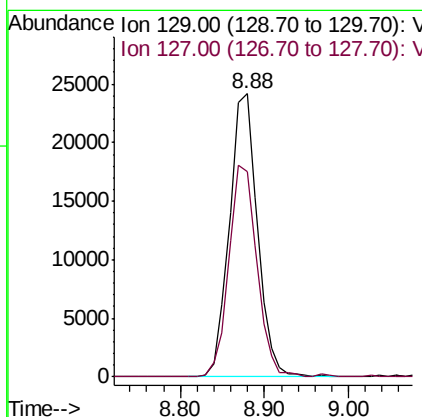
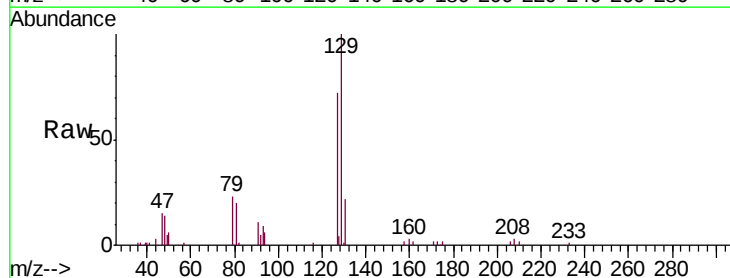
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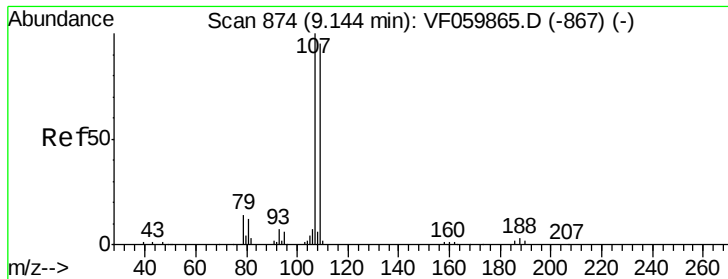
apatel
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#60
Dibromochloromethane
Concen: 23.083 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion: 129 Resp: 56121
Ion Ratio Lower Upper
129 100
127 71.5 36.9 110.7





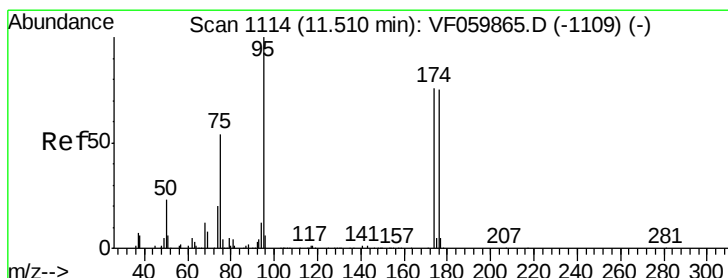
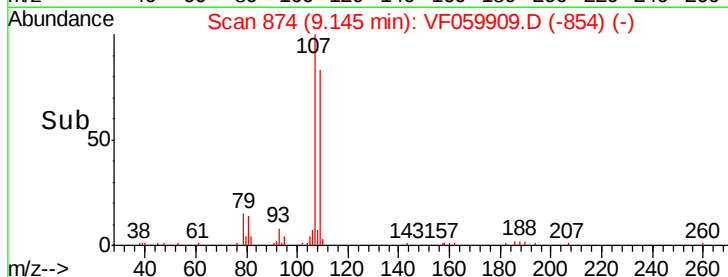
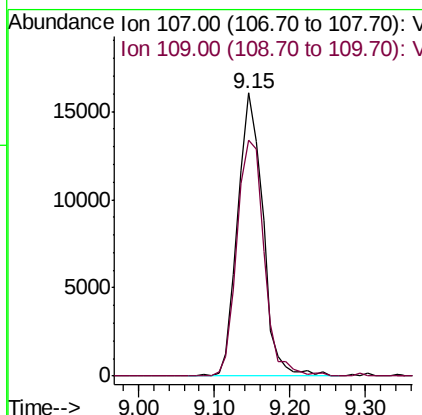
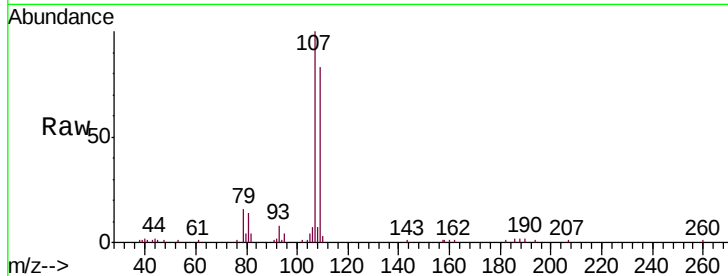
#61
 1,2-Dibromoethane
 Concen: 23.377 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	36912		
109	83.2	75.8	75.8	113.8

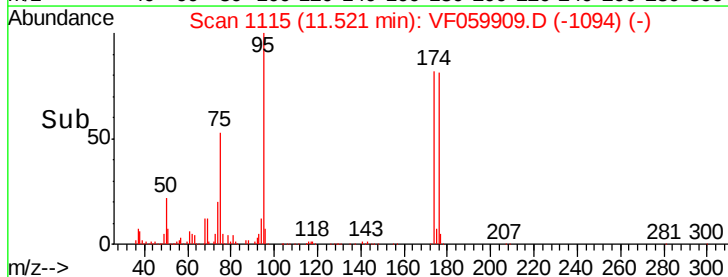
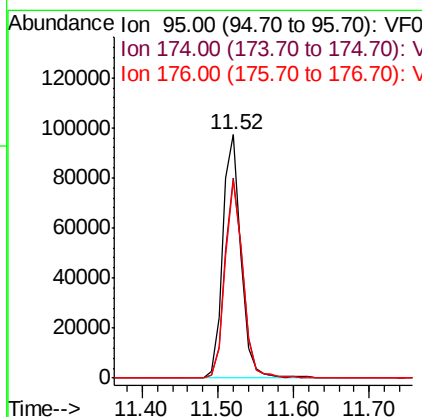
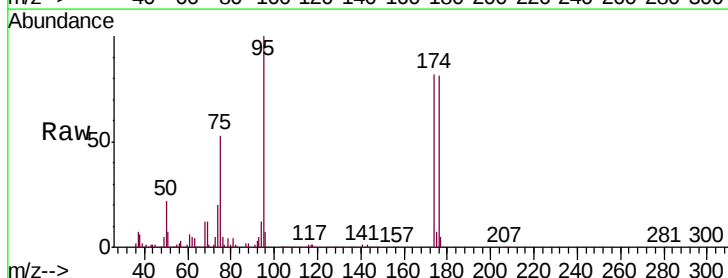
Manual Integrations
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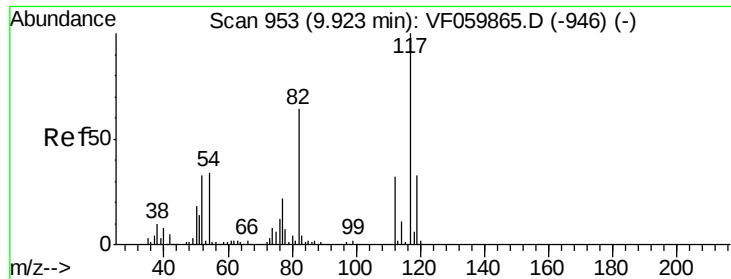
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#62
 4-Bromofluorobenzene
 Concen: 55.775 ug/l
 RT: 11.52 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	163497		
174	82.1	0.0	0.0	151.6
176	81.3	0.0	0.0	149.8





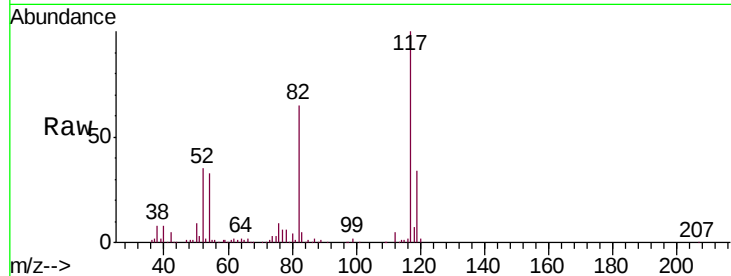
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	253147		
82	65.1	51.3	76.9	
119	33.9	26.4	39.6	

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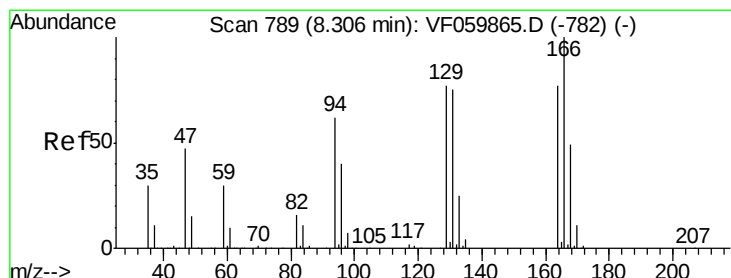
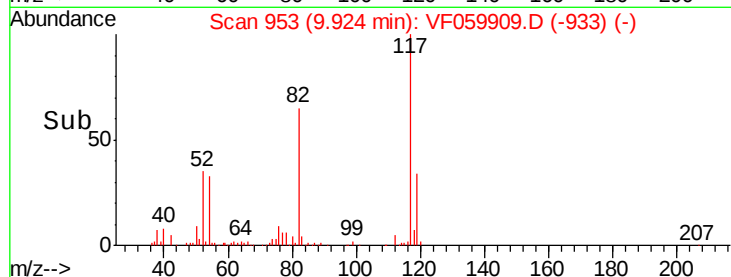
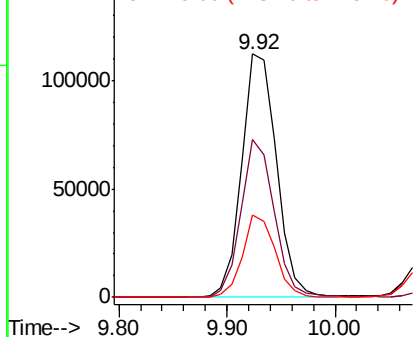


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 21.015 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45892		
166	130.0	104.4	156.6	
129	96.8	80.3	120.5	
131	85.1	78.5	117.7	

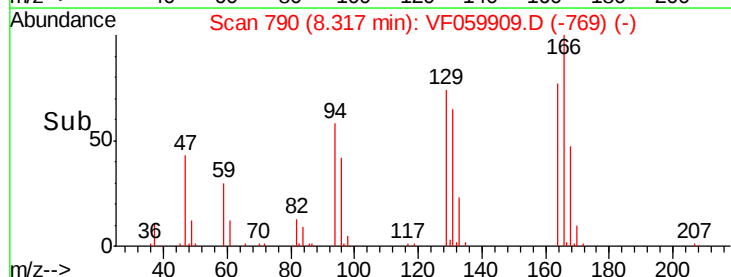
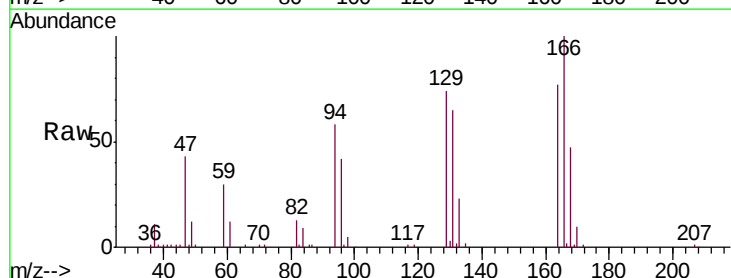
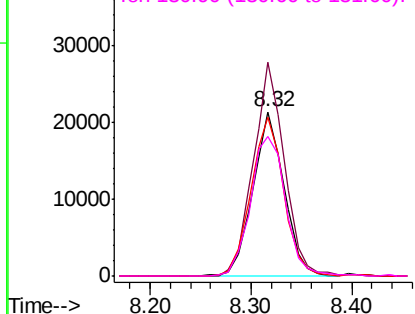
Abundance

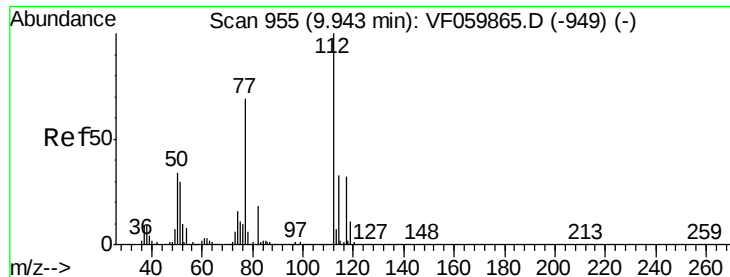
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





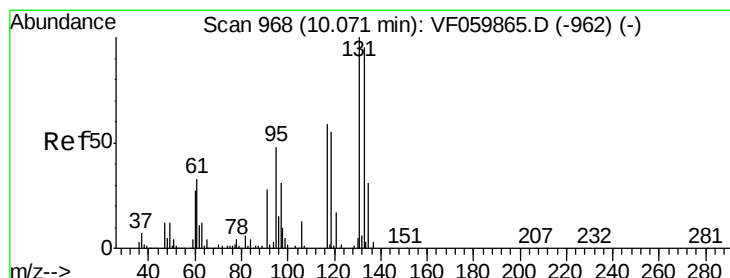
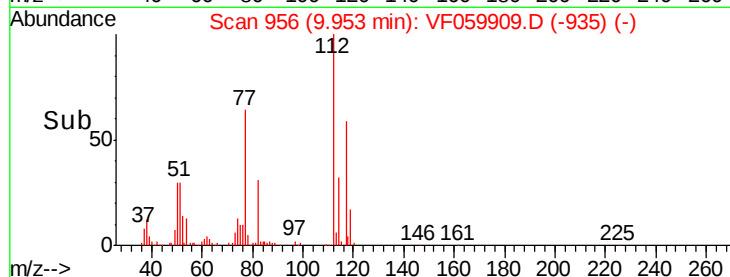
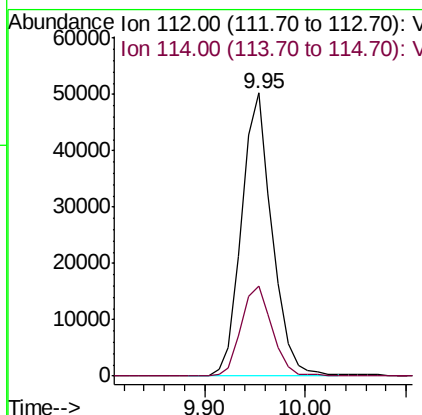
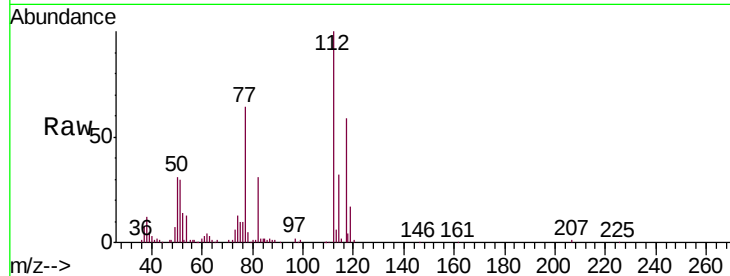
#65
Chlorobenzene
Concen: 20.644 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion:112 Resp: 106077
Ion Ratio Lower Upper
112 100
114 31.7 26.4 39.6

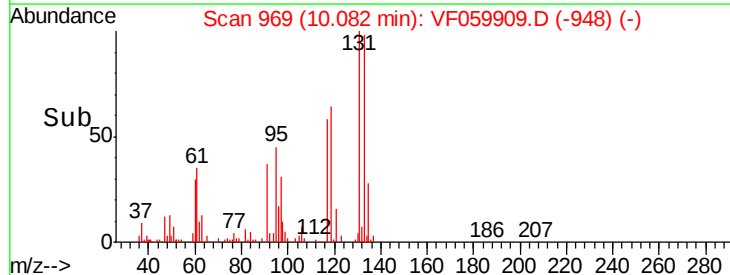
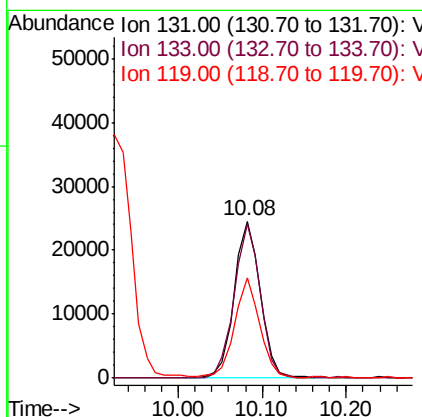
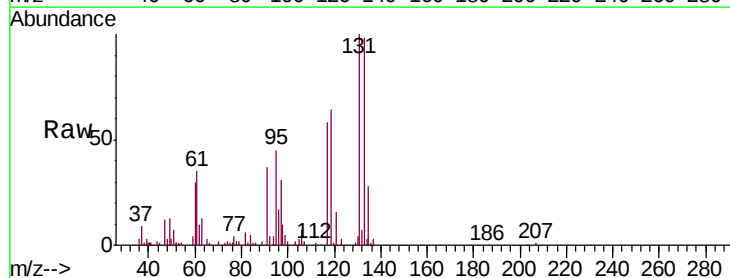
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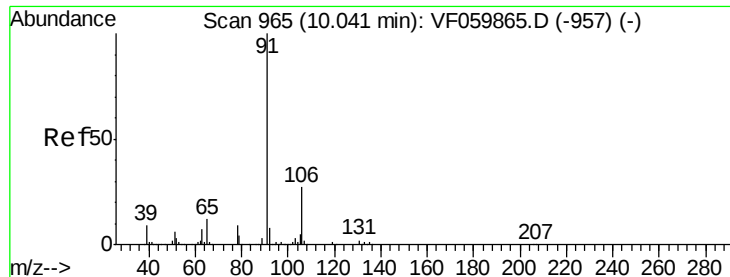
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.814 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion:131 Resp: 53201
Ion Ratio Lower Upper
131 100
133 97.9 47.4 142.2
119 64.2 27.7 83.1





#67

Ethyl Benzene

Concen: 21.476 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBS01

Tgt Ion: 91 Resp: 192249

Ion Ratio Lower Upper

91 100

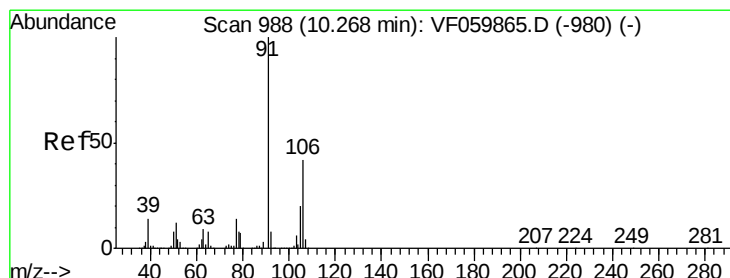
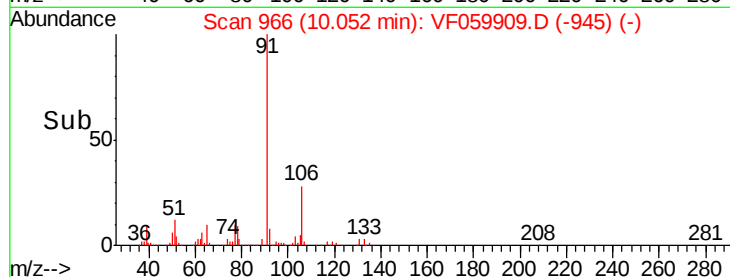
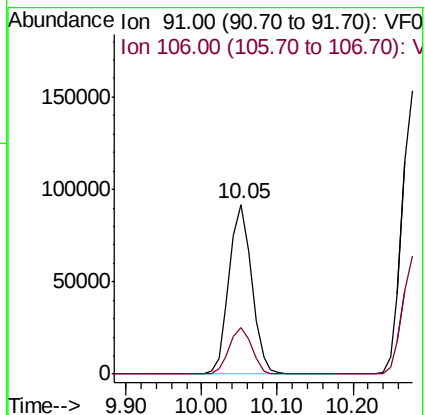
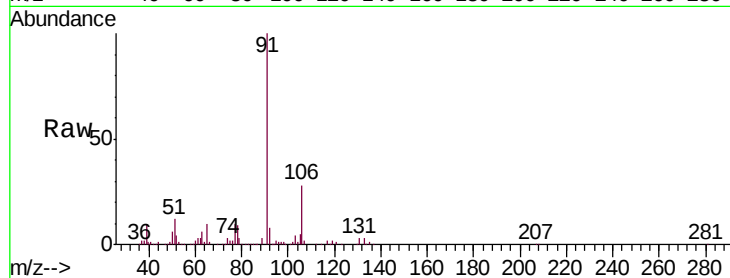
106 27.6 21.5 32.3

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#68

m/p-Xylenes

Concen: 41.924 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059909.D

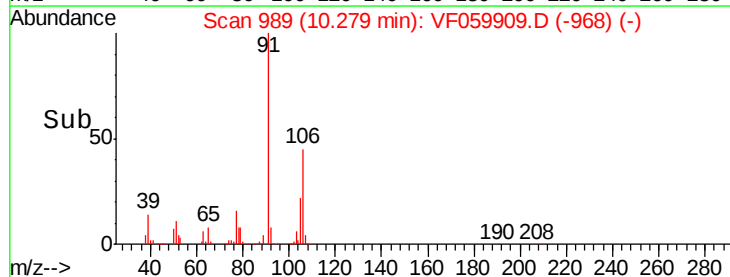
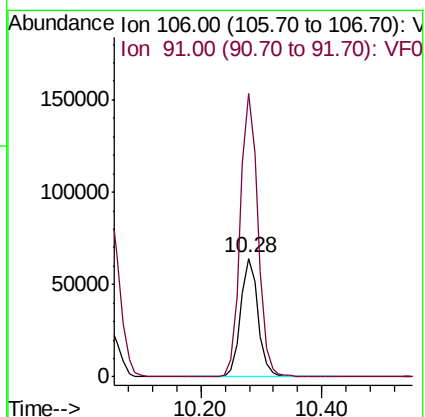
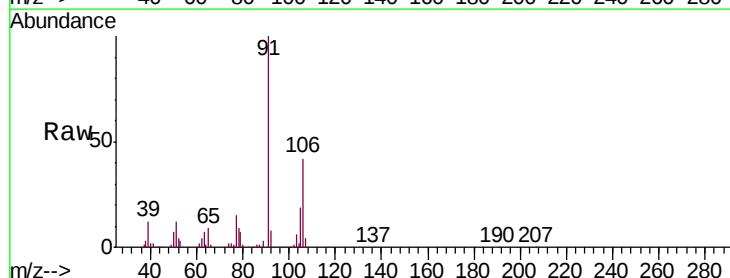
Acq: 7 Aug 2018 8:31

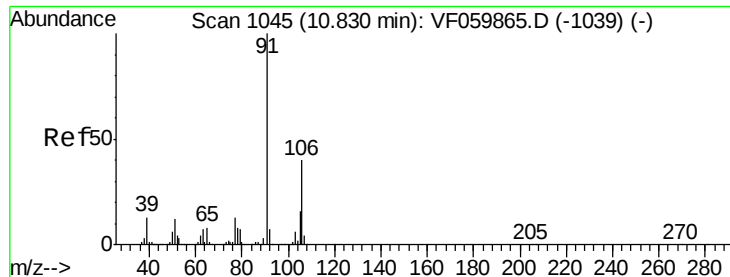
Tgt Ion: 106 Resp: 129731

Ion Ratio Lower Upper

106 100

91 238.4 192.1 288.1





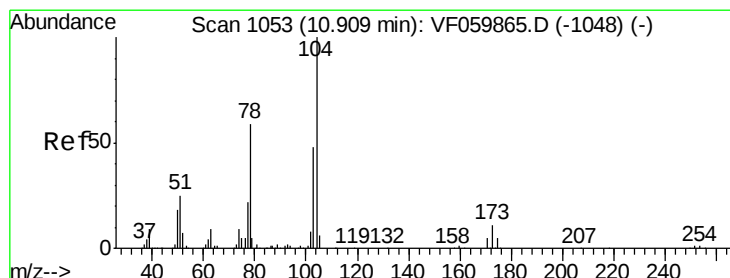
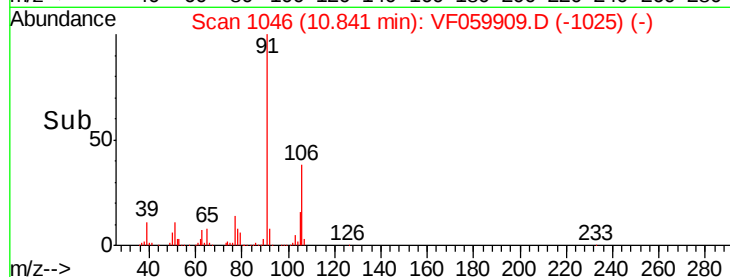
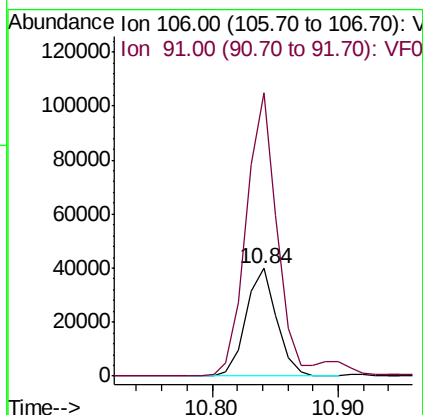
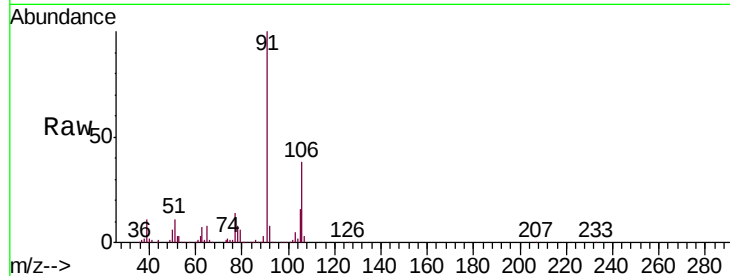
#69
o-Xylene
Concen: 20.788 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBS01

Tgt Ion:106 Resp: 68145
Ion Ratio Lower Upper
106 100
91 262.7 125.4 376.2

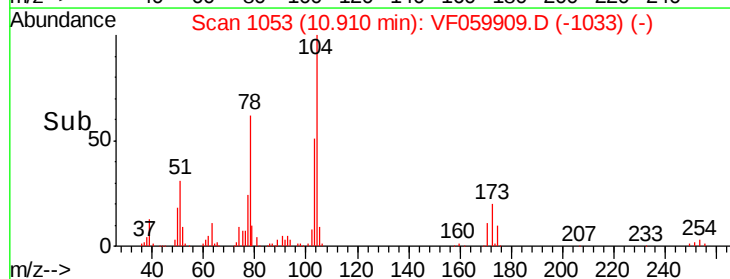
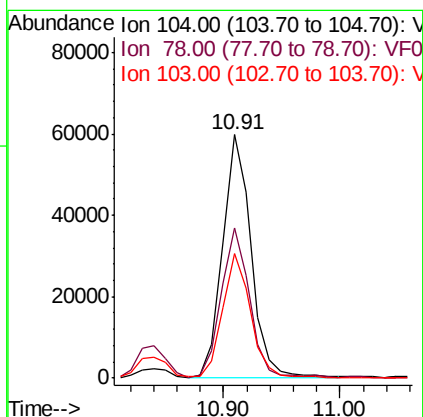
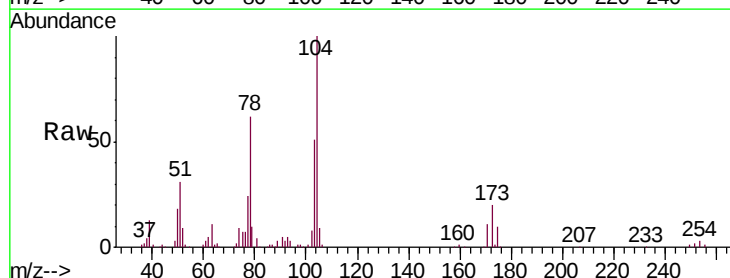
Manual Integrations
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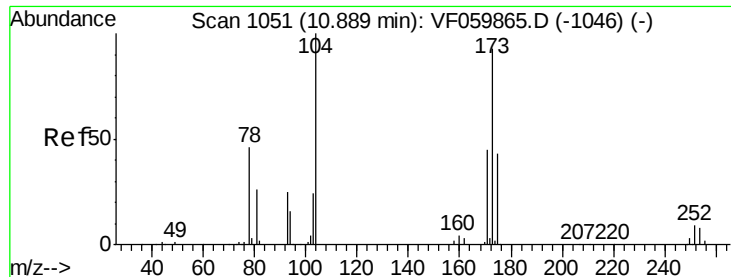
apatel
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#70
Styrene
Concen: 20.661 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion:104 Resp: 101066
Ion Ratio Lower Upper
104 100
78 61.9 47.3 70.9
103 51.4 39.0 58.4





#71

Bromoform

Concen: 22.469 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

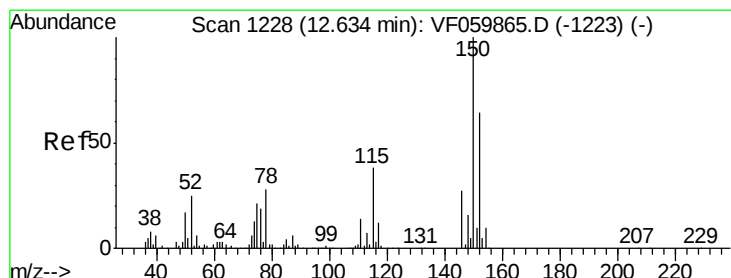
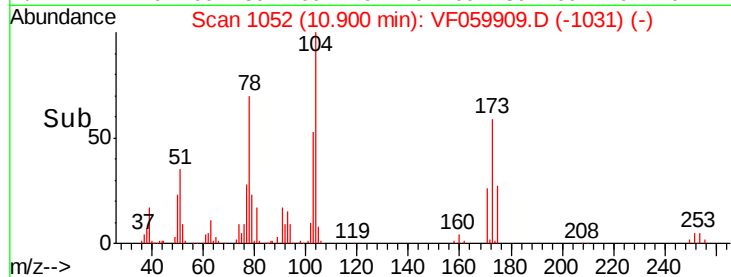
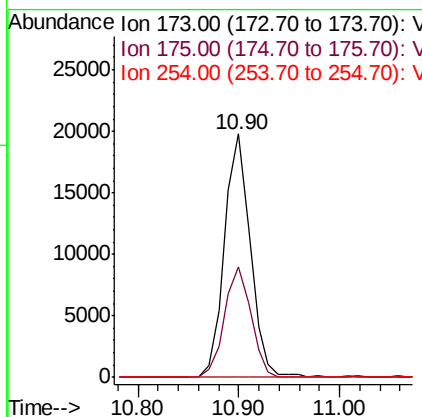
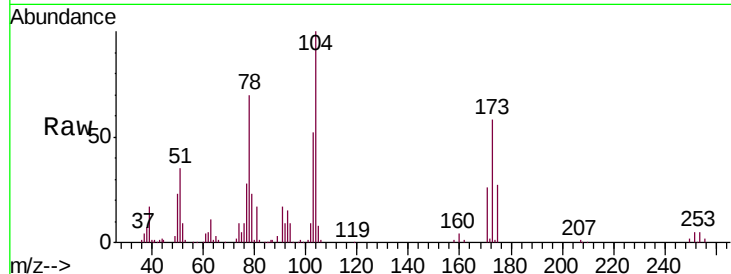
ClientSampleId :

VF0807SBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.4	23.4	70.2
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

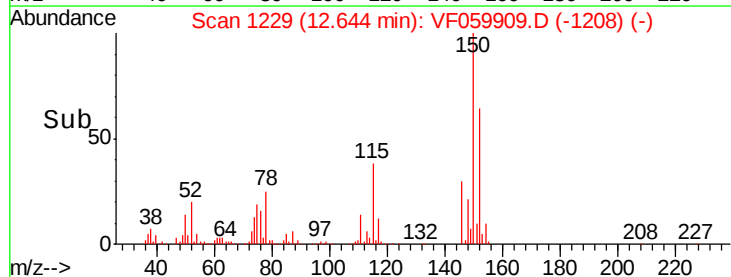
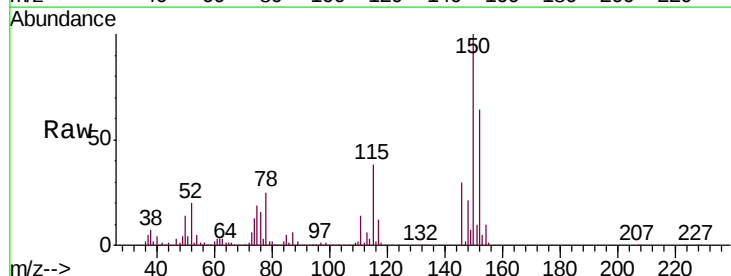
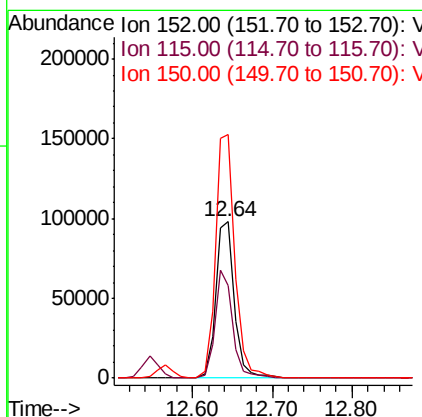
RT: 12.64 min Scan# 1229

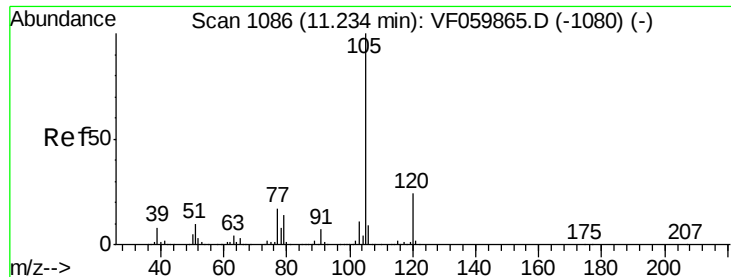
Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.8	89.4
150	155.8	0.0	315.6





#73

Isopropylbenzene

Concen: 22.484 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBSD01

Tgt Ion: 105 Resp: 227369

Ion Ratio Lower Upper

105 100

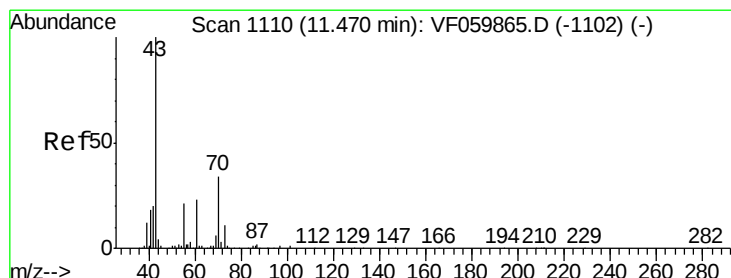
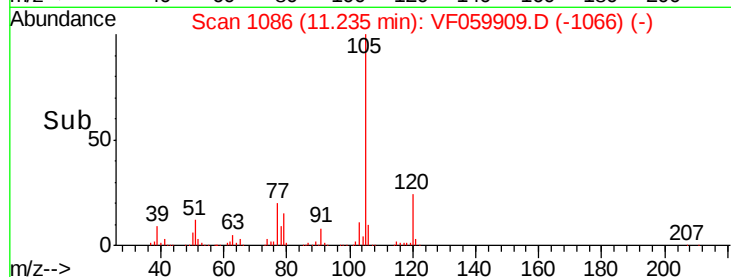
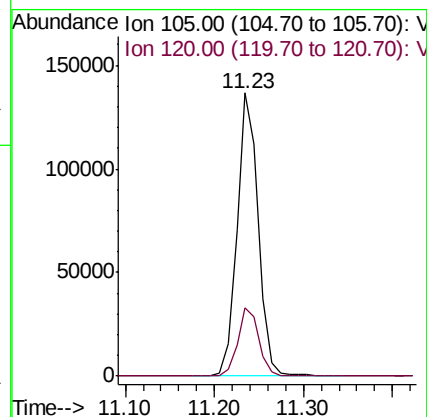
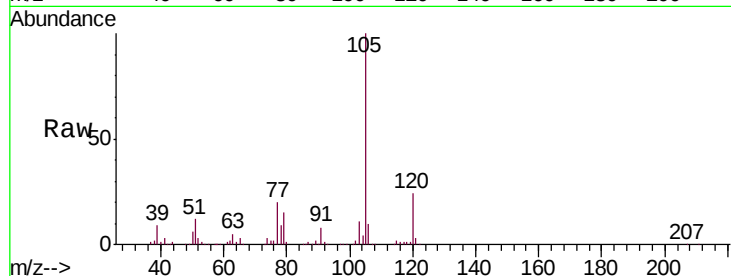
120 24.3 12.1 36.3

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#74

N-ethyl acetate

Concen: 23.045 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion: 43 Resp: 53426

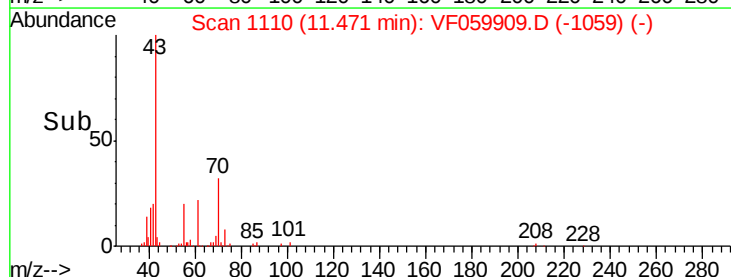
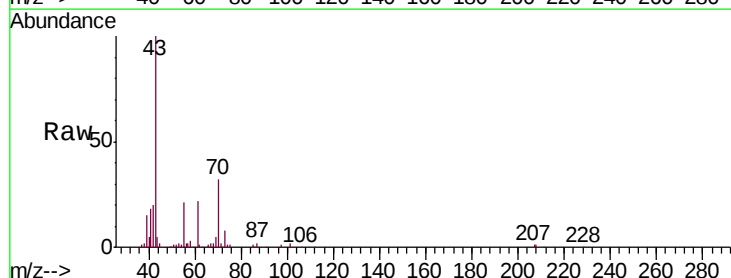
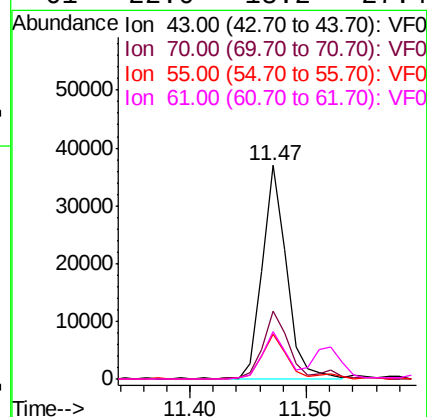
Ion Ratio Lower Upper

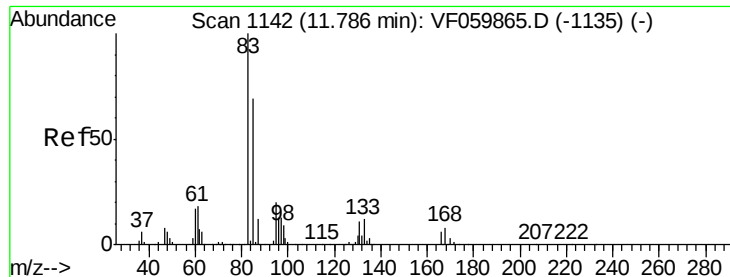
43 100

70 31.6 27.5 41.3

55 21.2 16.6 25.0

61 22.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 23.113 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

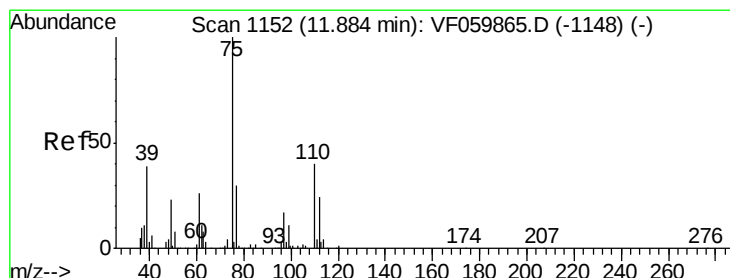
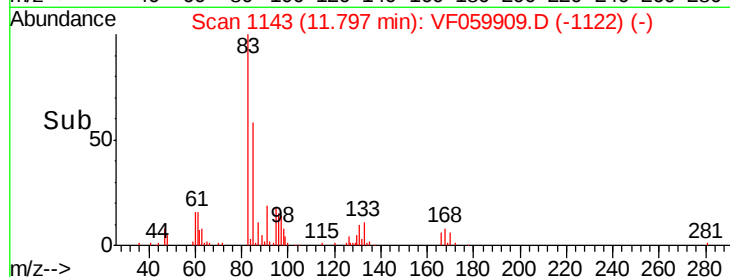
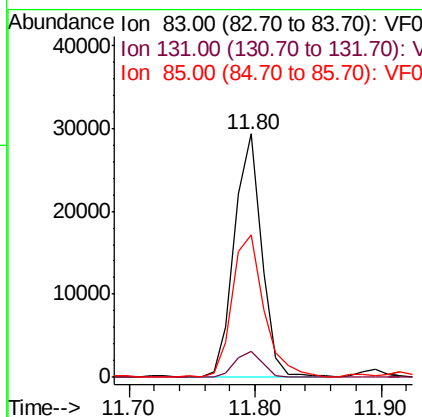
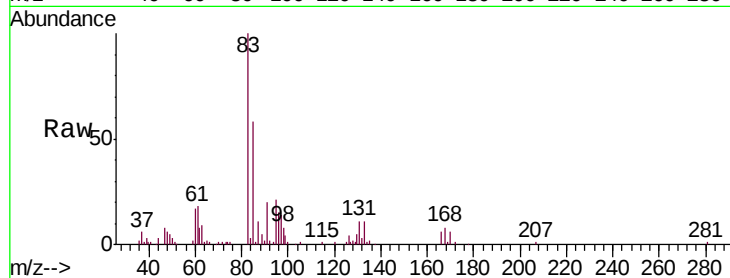
ClientSampleId :

VF0807SBSD01

Tgt Ion:	83	Resp:	43884
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	58.4	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 22.679 ug/l

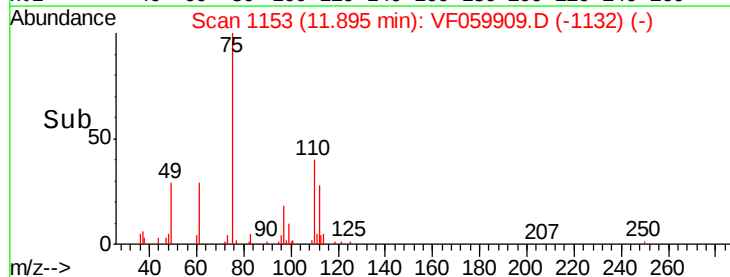
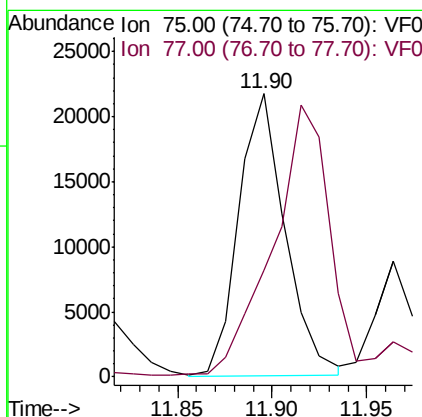
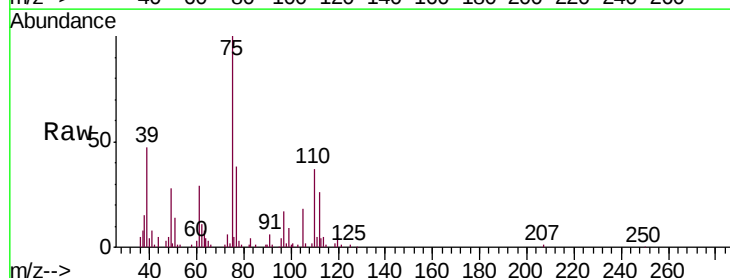
RT: 11.90 min Scan# 1153

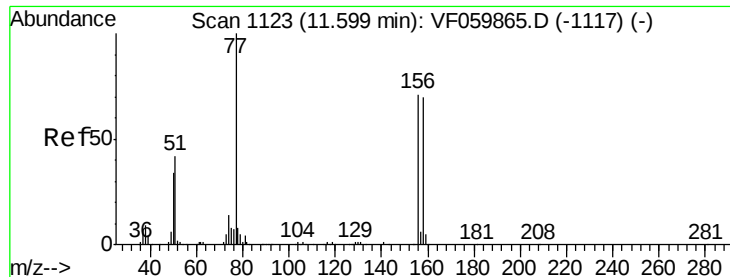
Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion:	75	Resp:	36984
Ion Ratio	Lower	Upper	
75	100		
77	37.7	15.4	46.2





#77

Bromobenzene

Concen: 22.302 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

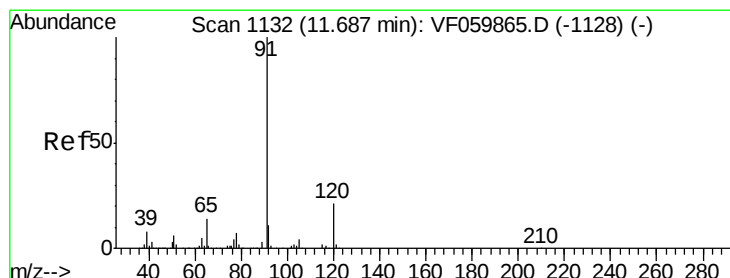
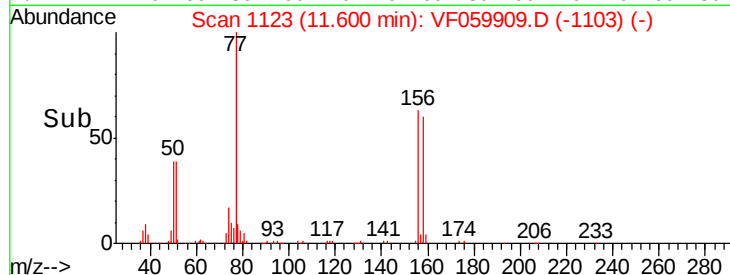
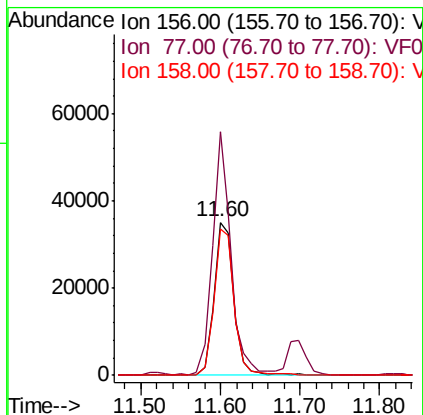
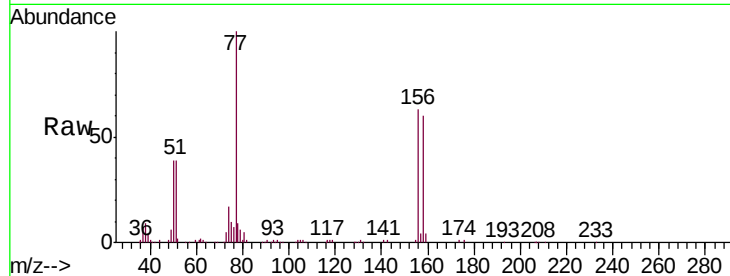
ClientSampleId :

VF0807SBSD01

Tgt Ion:	156	Resp:	61334
Ion	Ratio	Lower	Upper
156	100		
77	158.8	70.2	210.6
158	95.3	49.2	147.6

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#78

n-propylbenzene

Concen: 22.102 ug/l

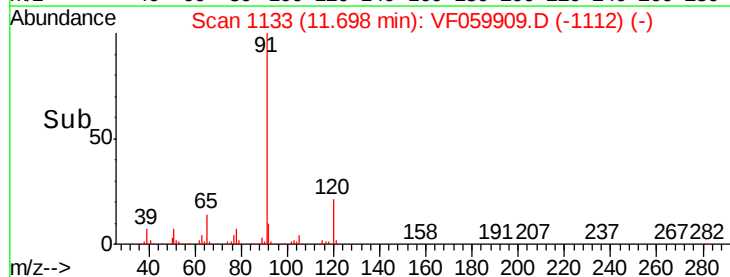
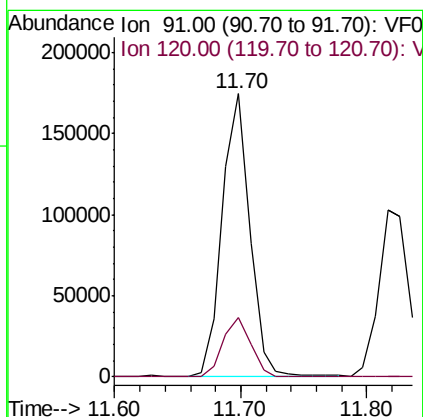
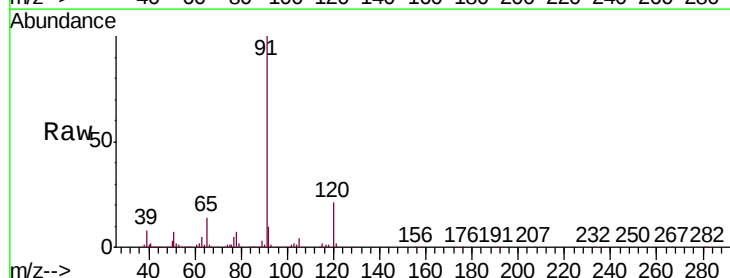
RT: 11.70 min Scan# 1133

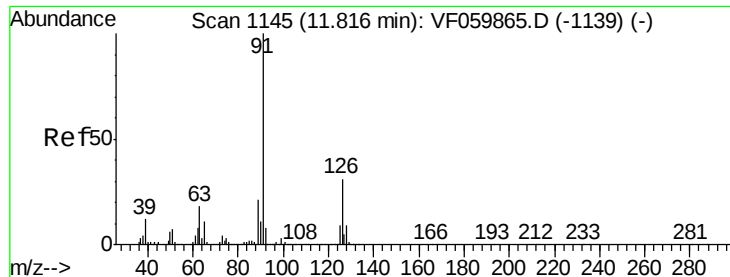
Delta R.T. 0.01 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion:	91	Resp:	263961
Ion	Ratio	Lower	Upper
91	100		
120	20.8	10.4	31.2





#79

2-Chlorotoluene

Concen: 22.413 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

ClientSampleId :

VF0807SBSD01

Tgt Ion: 91 Resp: 169322

Ion Ratio Lower Upper

91 100

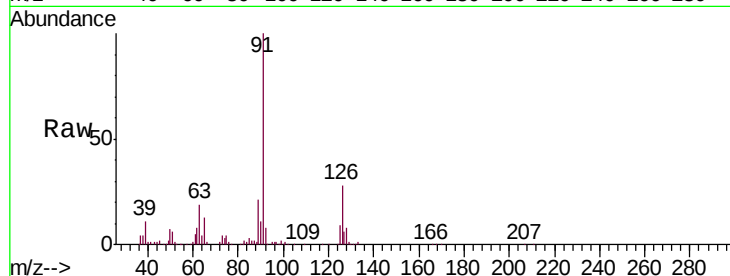
126 27.6 15.6 46.7

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Abundance Ion 91.00 (90.70 to 91.70): VF059865.D (-1139) (-)

Ion 126.00 (125.70 to 126.70): VF059865.D (-1139) (-)

120000

100000

80000

60000

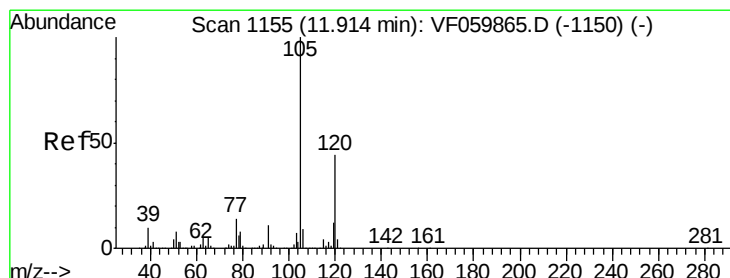
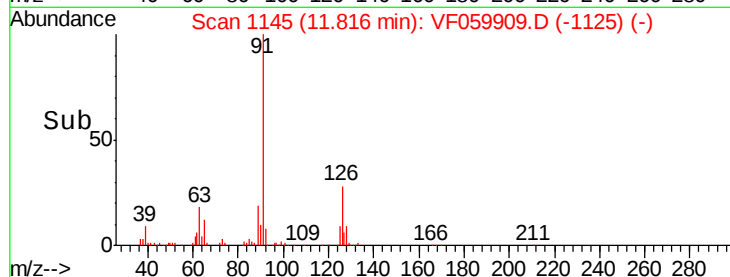
40000

20000

0

11.75 11.80 11.85 11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.869 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059909.D

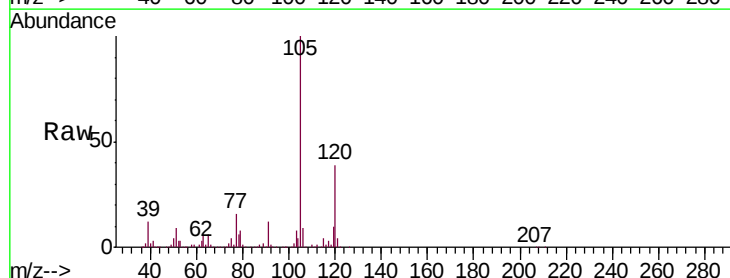
Acq: 7 Aug 2018 8:31

Tgt Ion: 105 Resp: 214747

Ion Ratio Lower Upper

105 100

120 39.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): VF059865.D (-1150) (-)

Ion 120.00 (119.70 to 120.70): VF059865.D (-1150) (-)

150000

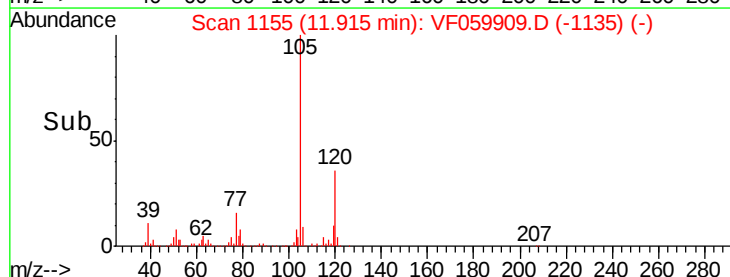
100000

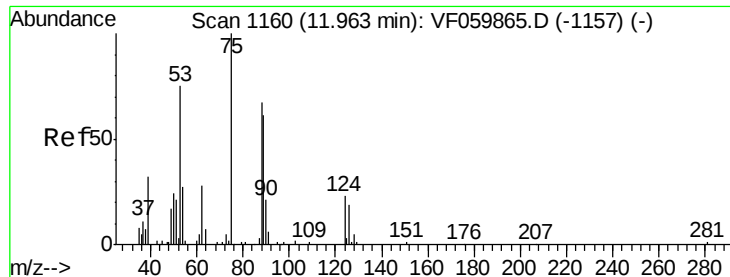
50000

0

11.90 11.95 12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.742 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Instrument :

MSVOA_F

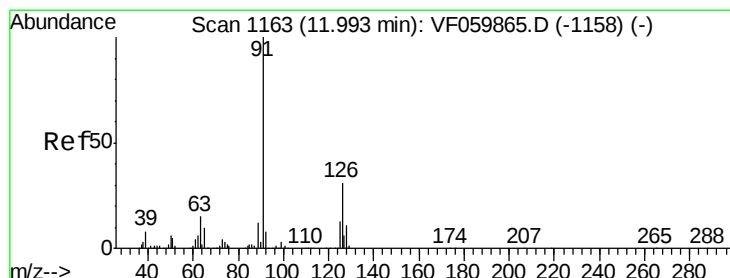
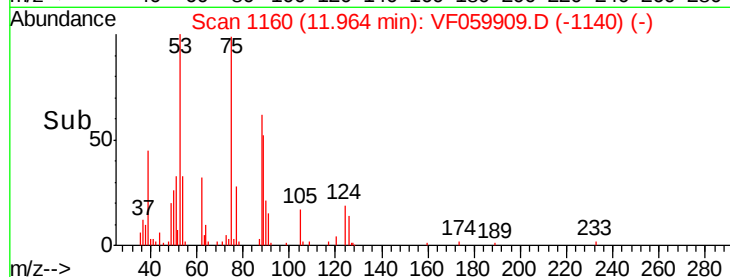
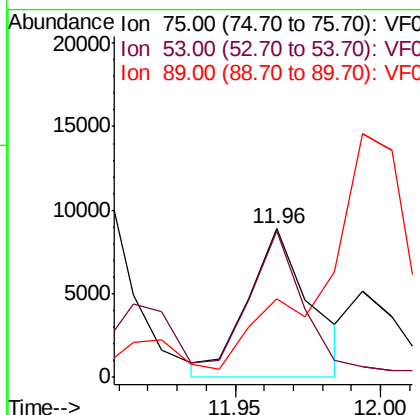
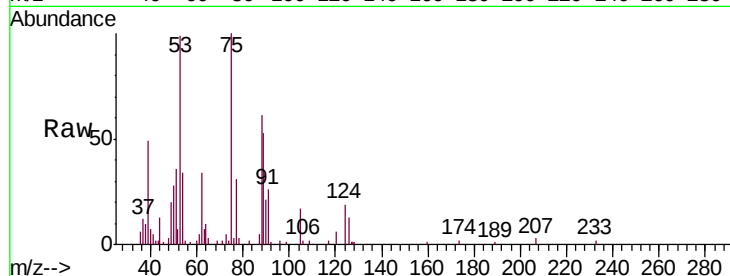
ClientSampleId :

VF0807SBSD01

Tgt Ion:	75	Resp:	13321
Ion Ratio	Lower	Upper	
75	100		
53	98.7	65.9	98.9
89	52.7	50.6	76.0

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#82

4-Chlorotoluene

Concen: 22.421 ug/l

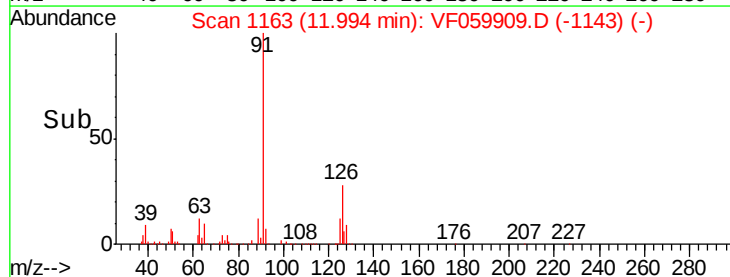
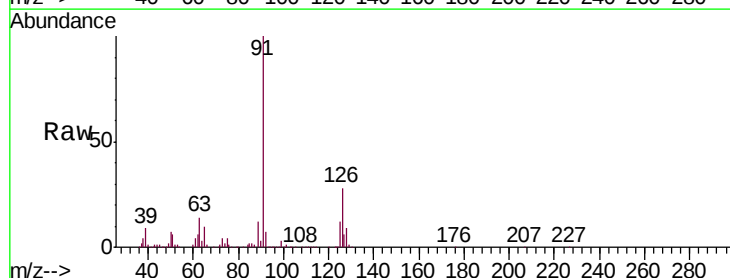
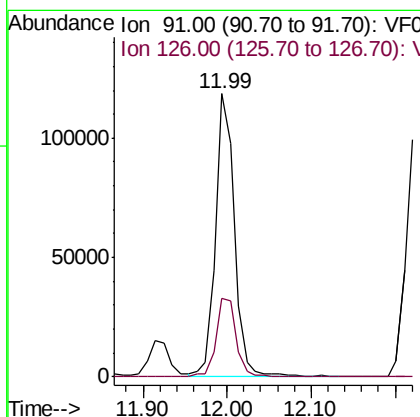
RT: 11.99 min Scan# 1163

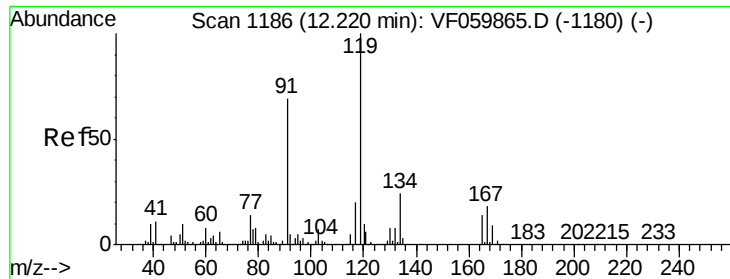
Delta R.T. 0.00 min

Lab File: VF059909.D

Acq: 7 Aug 2018 8:31

Tgt Ion:	91	Resp:	183919
Ion Ratio	Lower	Upper	
91	100		
126	27.8	15.7	47.0





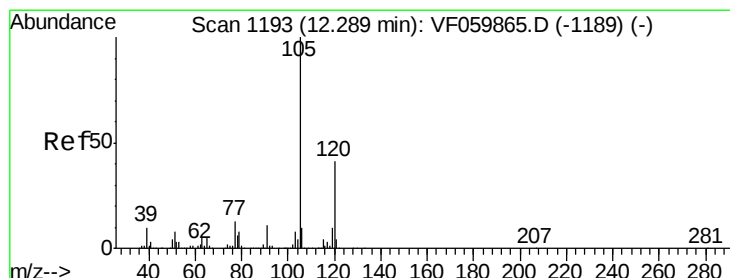
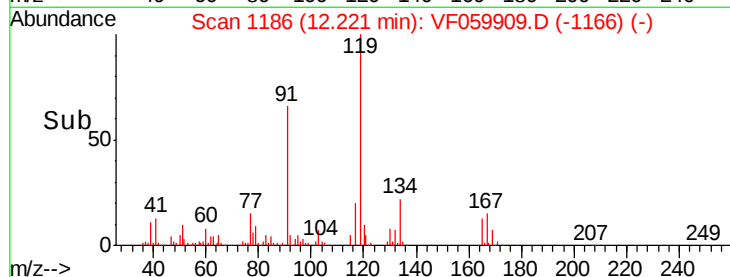
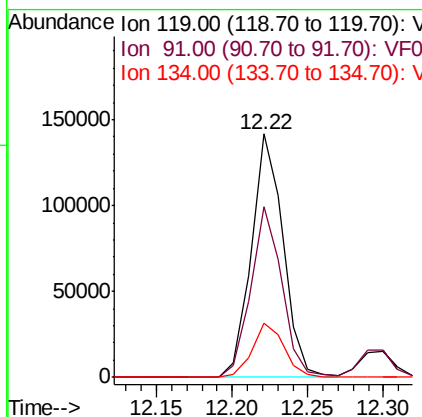
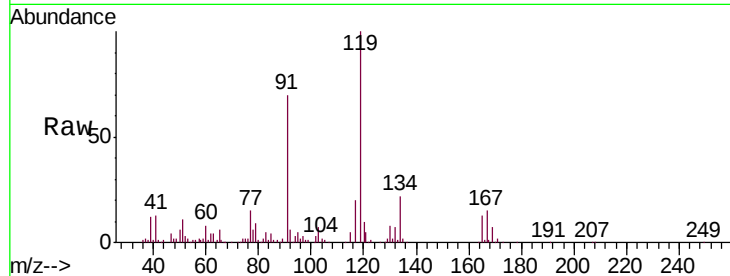
#83
tert-Butylbenzene
Concen: 22.802 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	208421		
91	70.1	34.4	103.2	
134	22.4	12.1	36.3	

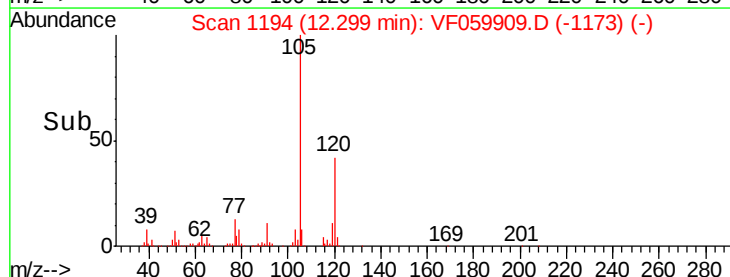
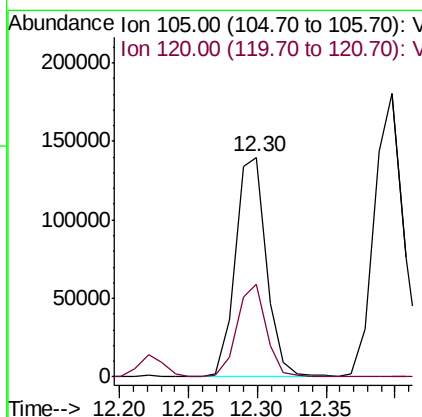
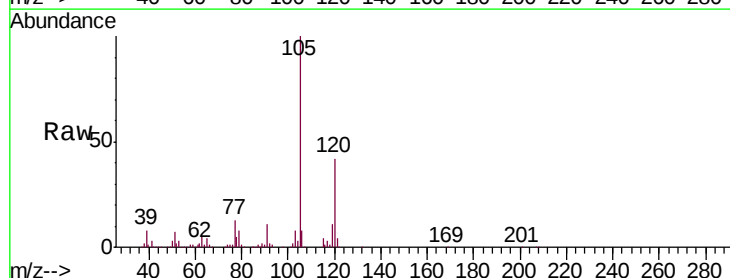
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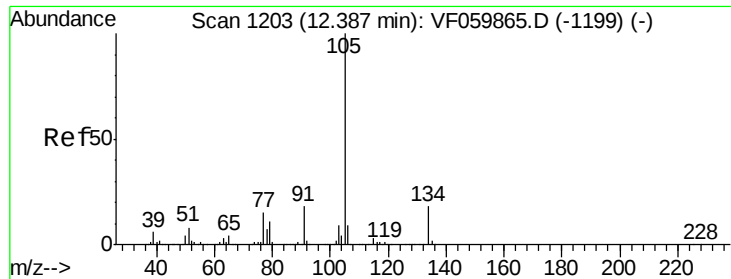
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#84
1,2,4-Trimethylbenzene
Concen: 22.875 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	220918		
120	42.4	20.8	62.5	





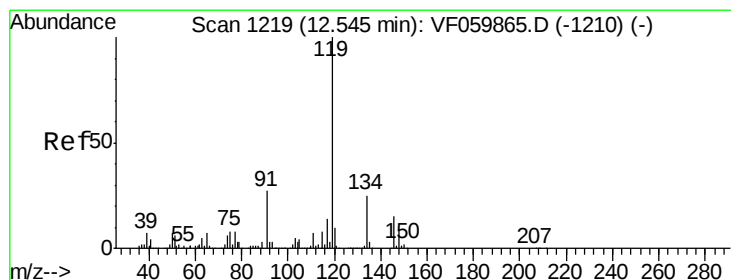
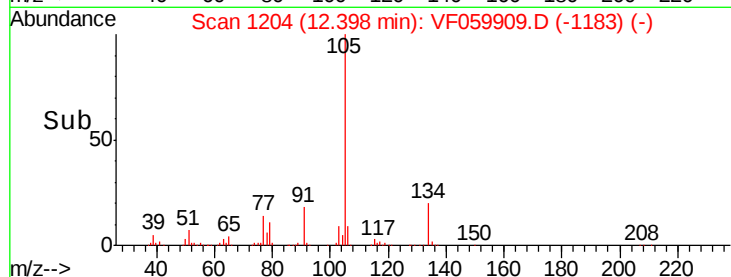
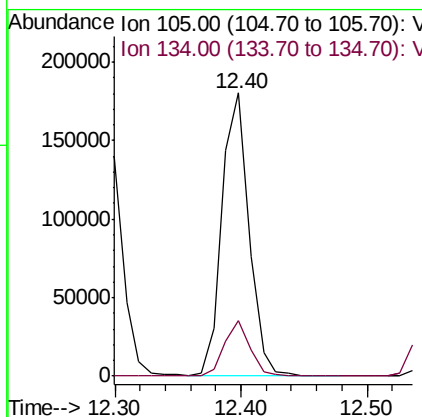
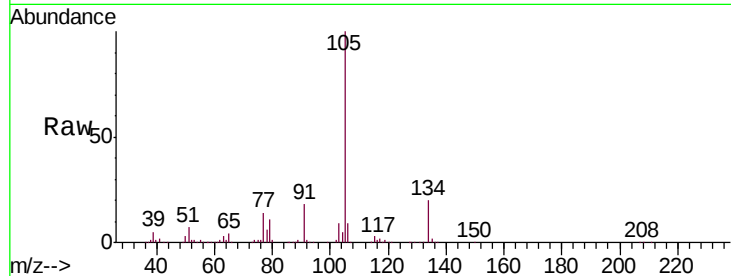
#85
 sec-Butylbenzene
 Concen: 22.099 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	268405		
134	19.7	9.1	27.3	

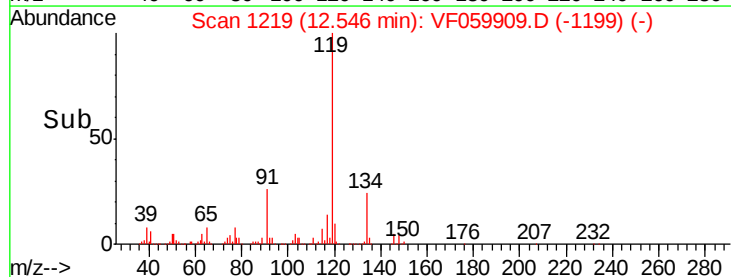
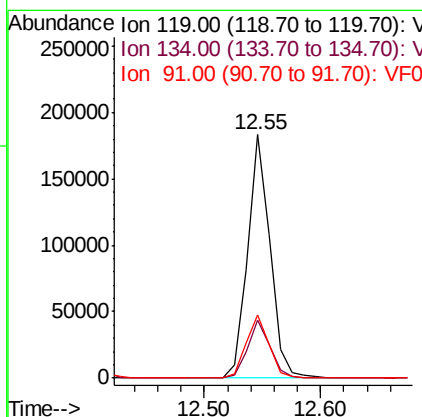
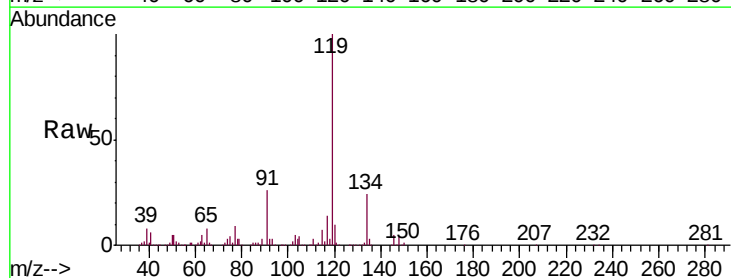
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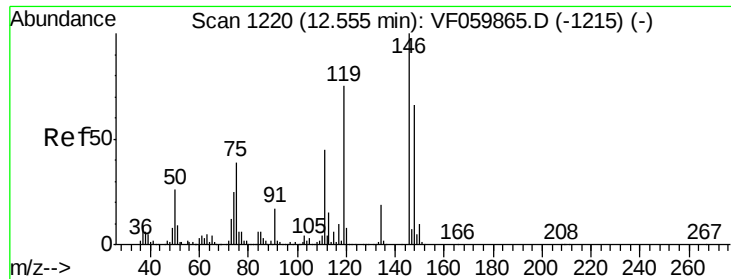
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#86
 p-Isopropyltoluene
 Concen: 23.956 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	244550		
134	23.6	12.4	37.0	
91	26.1	13.6	40.7	





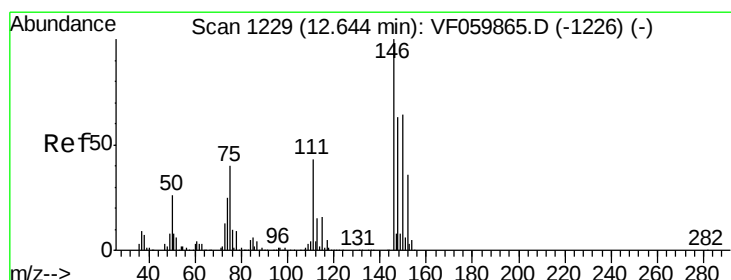
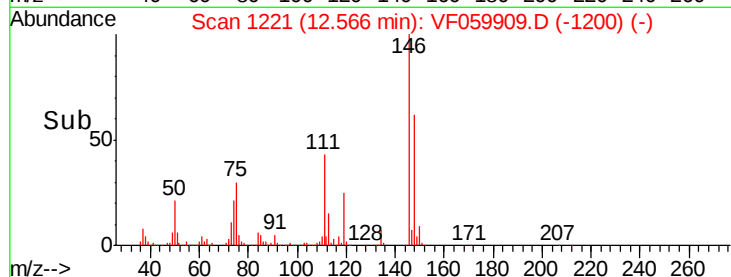
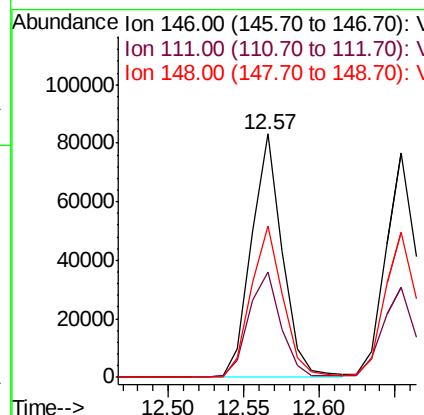
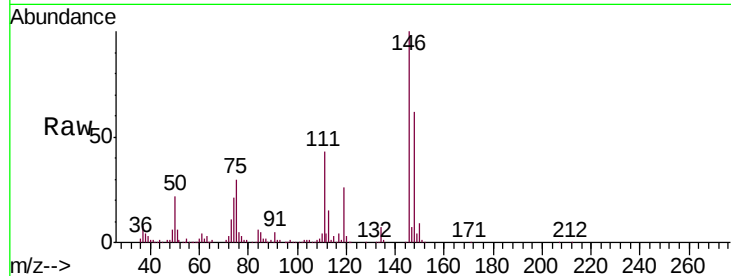
#87
 1,3-Dichlorobenzene
 Concen: 22.823 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118928		
111	43.1	22.4	67.0	
148	62.0	33.1	99.3	

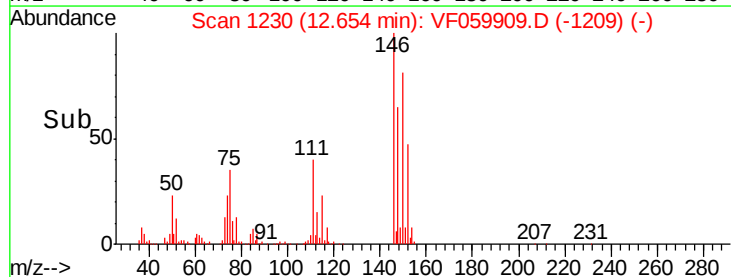
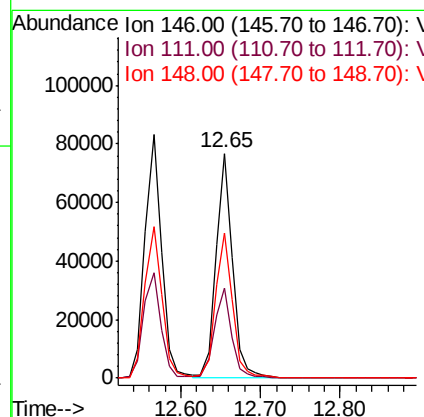
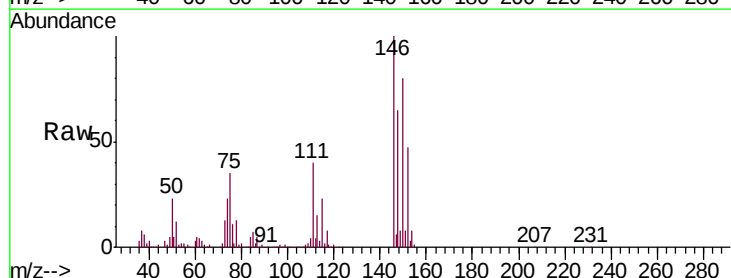
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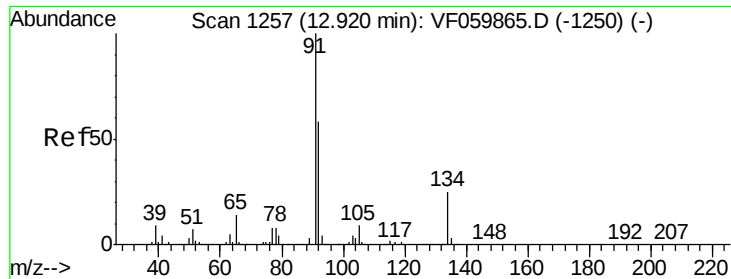
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#88
 1,4-Dichlorobenzene
 Concen: 22.181 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	113464		
111	40.0	21.4	64.2	
148	64.6	31.6	94.7	





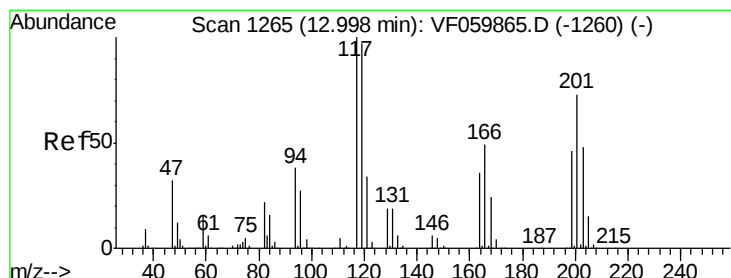
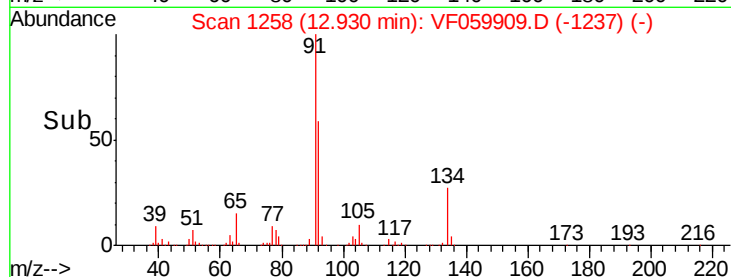
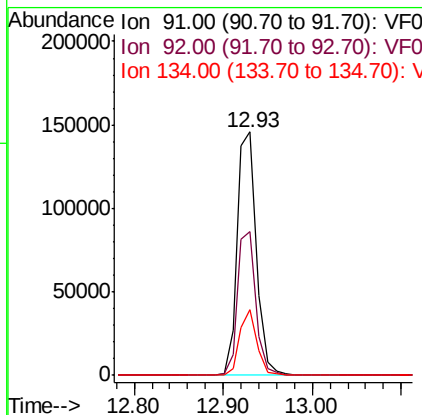
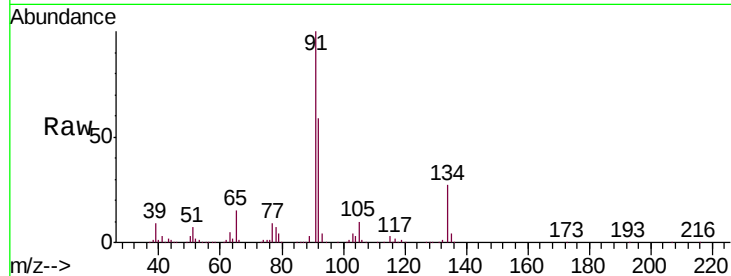
#89
n-Butylbenzene
Concen: 22.726 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.2	28.8	86.5
134	26.9	12.6	37.6

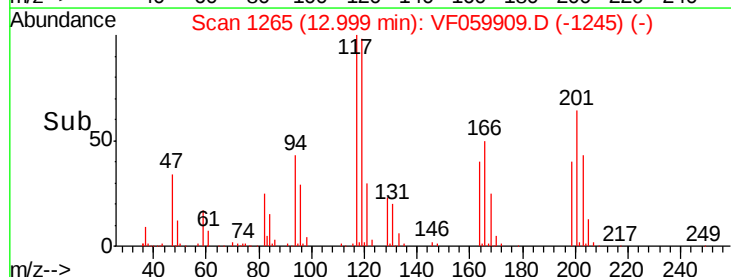
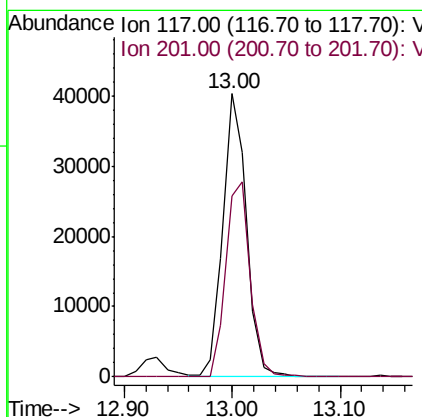
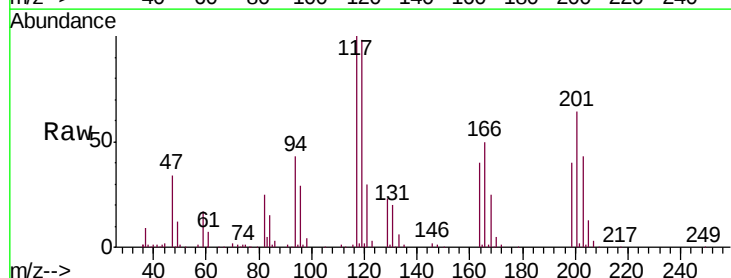
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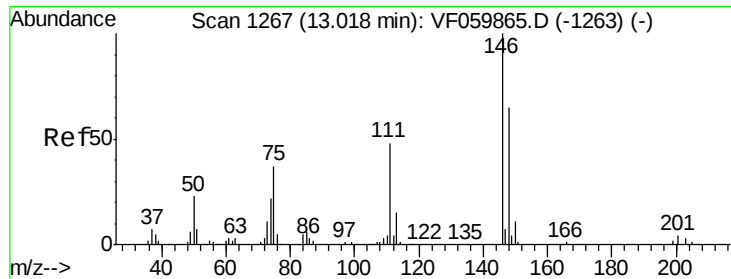
apatel
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#90
Hexachloroethane
Concen: 21.781 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.4	36.6	109.8





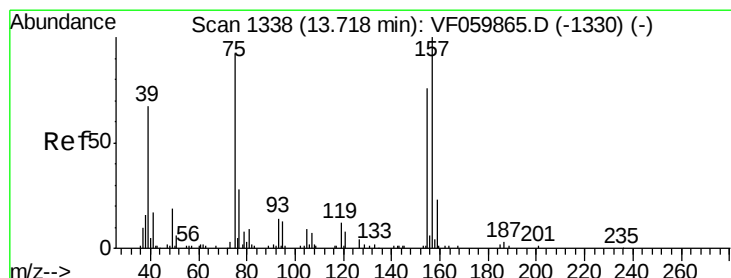
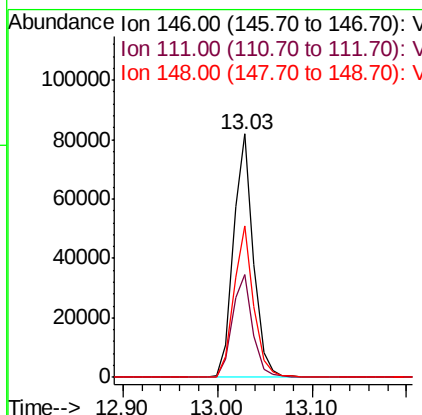
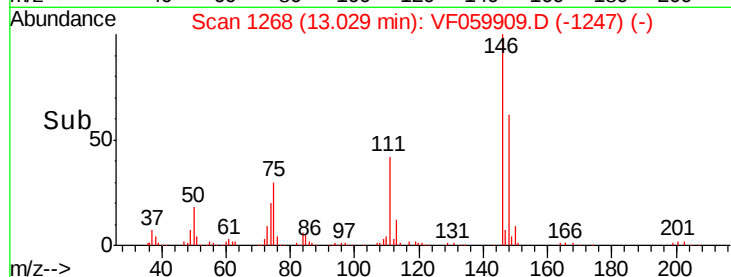
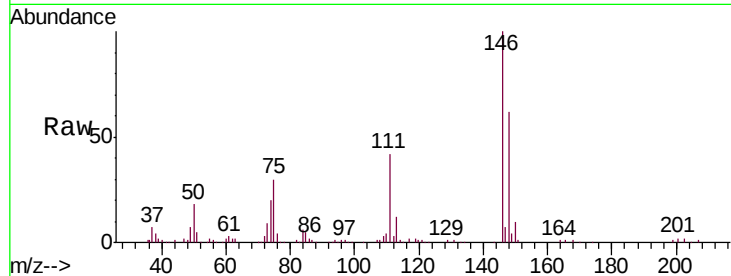
#91
 1,2-Dichlorobenzene
 Concen: 23.783 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119257		
111	42.3	24.1	72.2	
148	62.2	32.8	98.3	

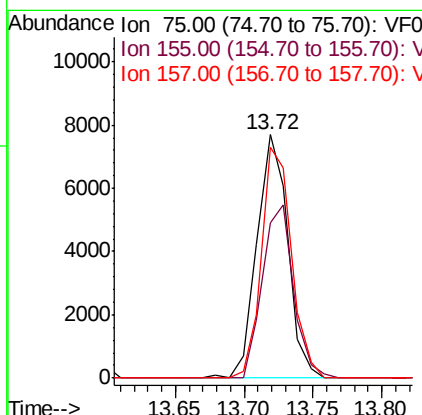
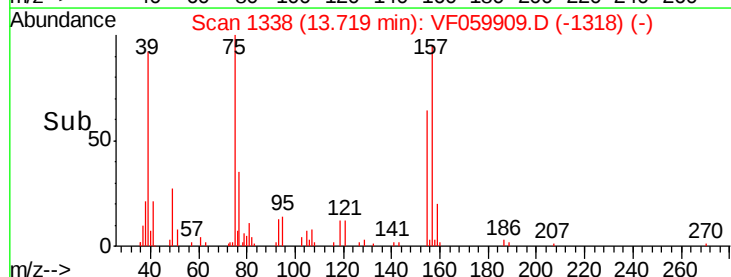
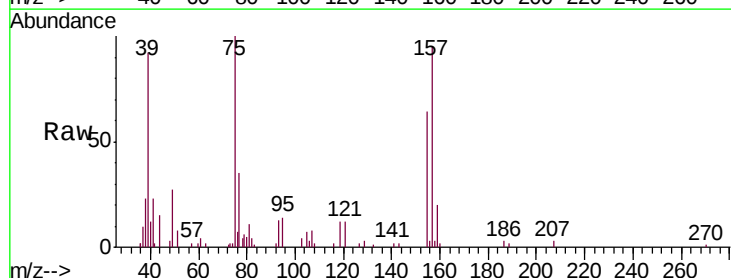
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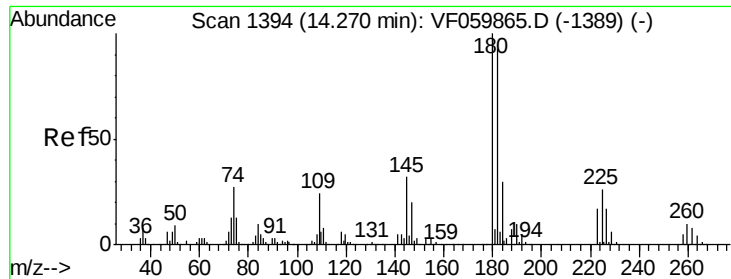
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.148 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12037		
155	63.8	41.2	123.6	
157	94.8	54.5	163.6	





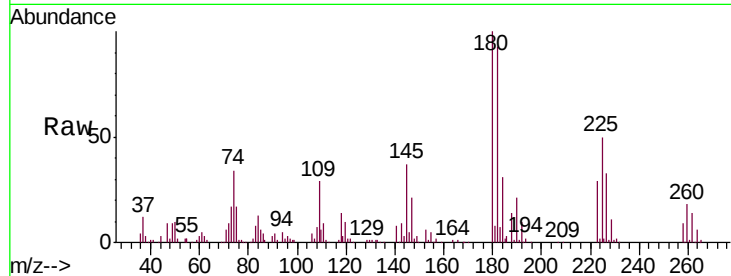
#93
 1,2,4-Trichlorobenzene
 Concen: 23.525 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89563		
182	93.5	46.4	139.2	
145	36.9	15.9	47.7	

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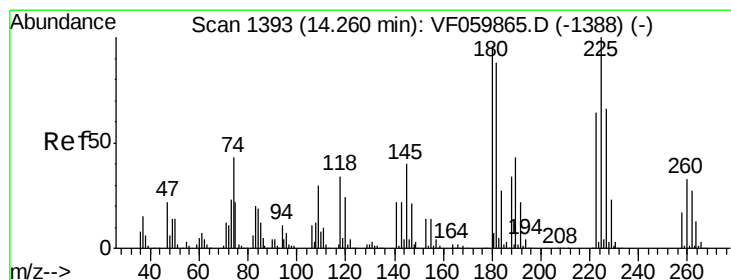
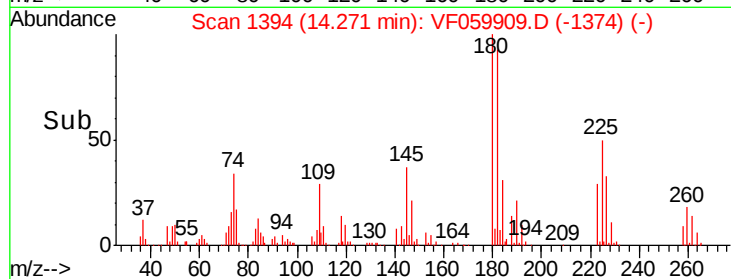
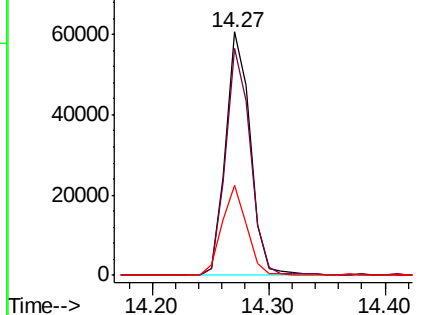


Abundance

Ion 180.00 (179.70 to 180.70): V

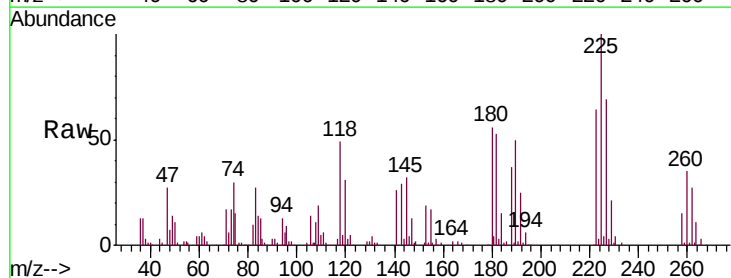
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.382 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059909.D
 Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60197		
223	66.8	31.9	95.9	
227	68.6	32.8	98.4	

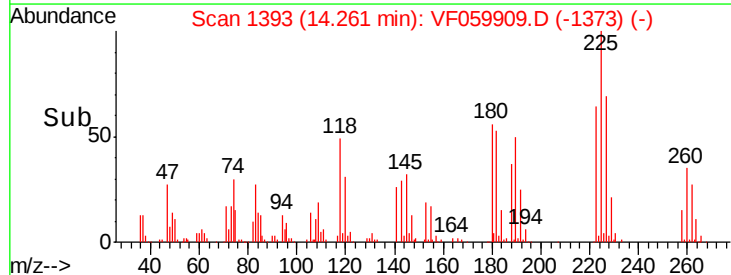
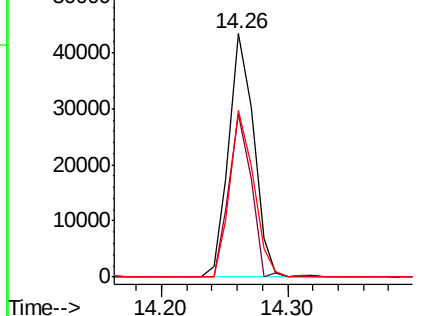


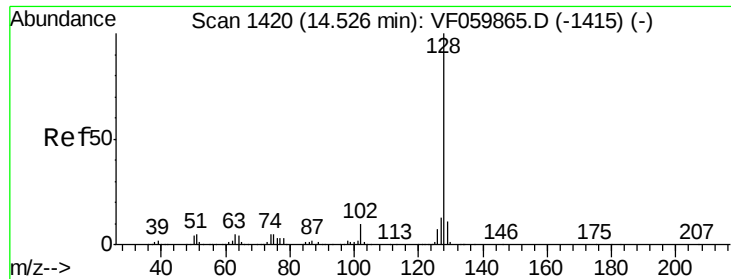
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





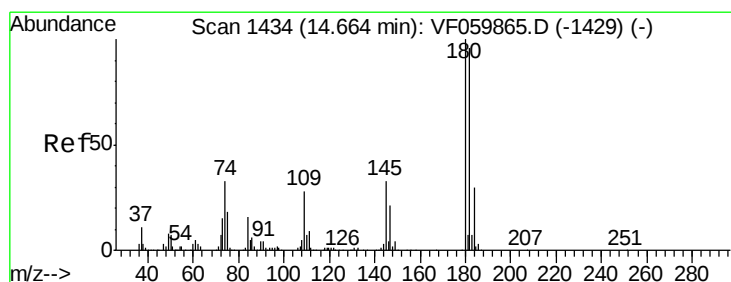
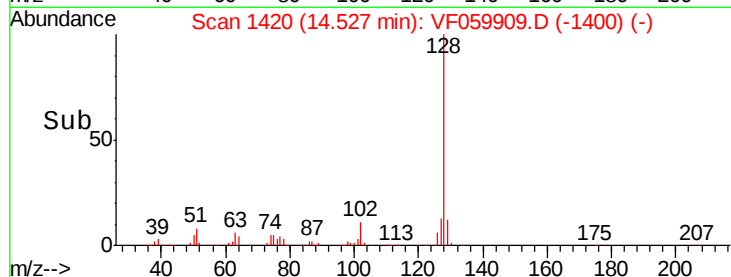
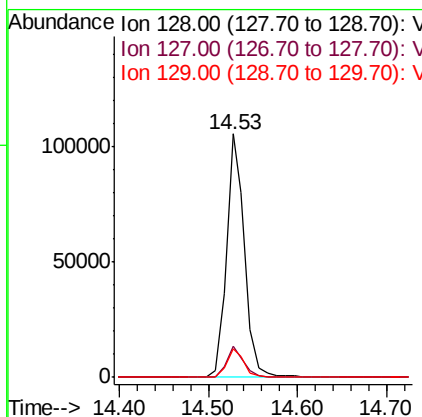
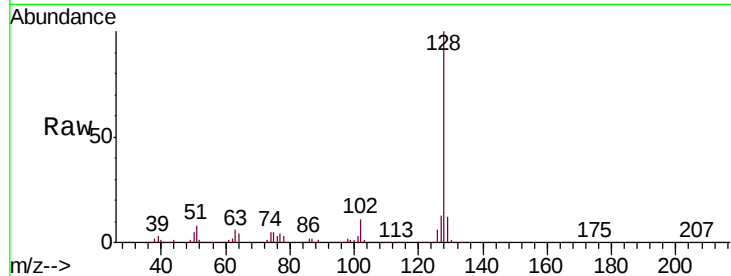
#95
Naphthalene
Concen: 22.952 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Instrument :
MSVOA_F
ClientSampleId :
VF0807SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	151285		
127	12.9	10.4	15.6	
129	11.5	9.0	13.6	

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#96
1,2,3-Trichlorobenzene
Concen: 24.045 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059909.D
Acq: 7 Aug 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90404		
182	95.1	48.1	144.3	
145	29.9	16.6	49.8	

