

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059406.D
 Acq On : 3 Jul 2018 12:23
 Operator : VA/AP
 Sample : VF0703SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Manual Integrations
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 7/5/2018 12:41:22 PM

Quant Time: Jul 04 00:43:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	287990	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.72	114	413058	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	408265	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	261523	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	162170	43.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.16%	
35) Dibromofluoromethane	4.25	113	141558	46.90	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.80%	
50) Toluene-d8	7.68	98	335200	44.86	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.72%	
62) 4-Bromofluorobenzene	11.48	95	188305	44.67	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	51184	19.453	ug/l	94
3) Chloromethane	1.08	50	30359	17.175	ug/l	95
4) Vinyl Chloride	1.13	62	32308	18.568	ug/l	98
5) Bromomethane	1.33	94	15868	12.082	ug/l	98
6) Chloroethane	1.42	64	14404	16.436	ug/l	92
7) Trichlorofluoromethane	1.51	101	72315m	21.017	ug/l	
8) Diethyl Ether	1.69	74	15792	17.900	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.88	101	34896	17.375	ug/l	99
10) Methyl Iodide	1.96	142	54765	14.953	ug/l	97
11) Tert butyl alcohol	2.67	59	19167	77.378	ug/l #	81
12) 1,1-Dichloroethene	1.84	96	34278	20.189	ug/l	92
13) Acrolein	2.07	56	10938	79.414	ug/l	93
14) Allyl chloride	2.17	41	54970	17.247	ug/l	97
15) Acrylonitrile	3.05	53	37070	84.983	ug/l	92
16) Acetone	2.32	43	89078	89.304	ug/l	98
17) Carbon Disulfide	1.86	76	73583	18.424	ug/l	98
18) Methyl Acetate	2.43	43	32749	18.774	ug/l #	89
19) Methyl tert-butyl Ether	2.52	73	116928	18.463	ug/l #	89
20) Methylene Chloride	2.29	84	36967m	12.117	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	35179	19.423	ug/l	88
22) Diisopropyl ether	2.90	45	137789	19.523	ug/l	97
23) Vinyl Acetate	3.31	43	459833	102.303	ug/l	99
24) 1,1-Dichloroethane	2.97	63	86806	19.837	ug/l	97
25) 2-Butanone	4.47	43	115948	101.379	ug/l	97
26) 2,2-Dichloropropane	3.72	77	63661	21.093	ug/l	97
27) cis-1,2-Dichloroethene	3.60	96	54272	19.736	ug/l	81
28) Bromochloromethane	3.85	49	41816	22.554	ug/l	90
29) Tetrahydrofuran	4.23	42	44076	86.299	ug/l	96
30) Chloroform	4.00	83	130455	20.593	ug/l	100
31) Cyclohexane	3.82	56	45795	15.975	ug/l #	84
32) 1,1,1-Trichloroethane	4.23	97	86871	18.739	ug/l	99
36) 1,1-Dichloropropene	4.42	75	77250	21.408	ug/l	96
37) Ethyl Acetate	4.27	43	51966	21.674	ug/l #	80
38) Carbon Tetrachloride	4.13	117	96615	21.217	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	64307	20.111	ug/l	94
40) Benzene	4.77	78	171328	21.414	ug/l	97
41) Methacrylonitrile	4.89	41	22698	18.441	ug/l	97
42) 1,2-Dichloroethane	5.07	62	102211	21.863	ug/l	98
43) Isopropyl Acetate	7.07	43	55225	18.374	ug/l	94
44) Trichloroethene	5.64	130	57635	21.000	ug/l	93
45) 1,2-Dichloropropane	6.37	63	47265	20.677	ug/l	100
46) Dibromomethane	6.22	93	40601	20.464	ug/l	97
47) Bromodichloromethane	6.51	83	104308	21.719	ug/l	97
48) Methyl methacrylate	6.84	41	38537	19.131	ug/l	90
49) 1,4-Dioxane	6.83	88	3581	303.542	ug/l	94
51) 4-Methyl-2-Pentanone	8.38	43	222361	99.861	ug/l	98
52) Toluene	7.75	92	123755	20.672	ug/l	100
53) t-1,3-Dichloropropene	8.40	75	93494	21.357	ug/l	98
54) cis-1,3-Dichloropropene	7.42	75	96010	20.191	ug/l	94
55) 1,1,2-Trichloroethane	8.60	97	48306	20.782	ug/l	96
56) Ethyl methacrylate	8.73	69	52462	18.220	ug/l	97
57) 1,3-Dichloropropane	8.97	76	79695	19.991	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.75	63	24303	112.538	ug/l	100
59) 2-Hexanone	9.60	43	179608	97.027	ug/l	97
60) Dibromochloromethane	8.83	129	72341	20.159	ug/l	97
61) 1,2-Dibromoethane	9.11	107	57164	20.278	ug/l	89
64) Tetrachloroethene	8.27	164	58340	22.032	ug/l	93
65) Chlorobenzene	9.90	112	156512	20.688	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.04	131	75411	23.048	ug/l	97
67) Ethyl Benzene	10.00	91	282979	22.049	ug/l	99
68) m/p-Xylenes	10.24	106	193708	42.406	ug/l	99
69) o-Xylene	10.80	106	108752	21.285	ug/l	100
70) Styrene	10.87	104	161386	20.736	ug/l	98
71) Bromoform	10.86	173	47796	21.312	ug/l	98
73) Isopropylbenzene	11.21	105	325992	21.397	ug/l	98
74) N-amyl acetate	11.44	43	109186	19.748	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	76840	19.970	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	57116	19.678	ug/l	94
77) Bromobenzene	11.57	156	89391	21.148	ug/l	90
78) n-propylbenzene	11.67	91	382172	20.887	ug/l	100
79) 2-Chlorotoluene	11.79	91	244190	21.844	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	287450	21.538	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.93	75	33690	19.502	ug/l	91
82) 4-Chlorotoluene	11.96	91	252140	21.058	ug/l	88
83) tert-Butylbenzene	12.19	119	290553	21.767	ug/l	92
84) 1,2,4-Trimethylbenzene	12.27	105	298881	21.264	ug/l	95
85) sec-Butylbenzene	12.37	105	400674	22.646	ug/l	98
86) p-Isopropyltoluene	12.52	119	335866	22.620	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	161519	20.423	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	157359	20.845	ug/l	100
89) n-Butylbenzene	12.90	91	334516	22.192	ug/l	97
90) Hexachloroethane	12.98	117	80727	21.814	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	158107	20.603	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16649	19.519	ug/l	83

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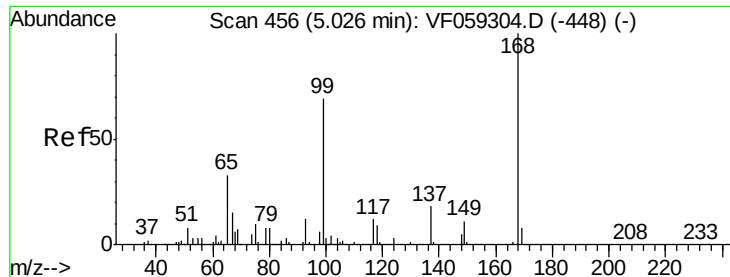
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	123471	21.760	ug/l	98
94) Hexachlorobutadiene	14.24	225	74788	23.597	ug/l	99
95) Naphthalene	14.51	128	237239	19.983	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	115103	21.414	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion:168 Resp: 287990

Ion Ratio Lower Upper

168 100

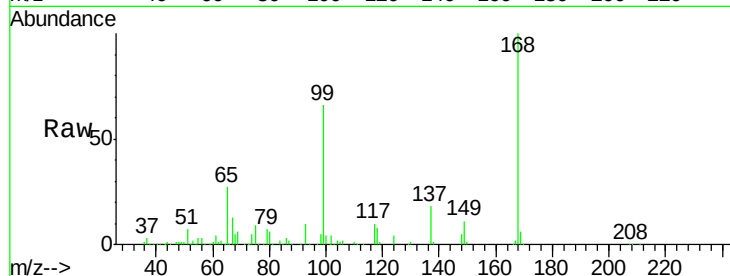
99 66.2 54.9 82.3

Manual Integrations

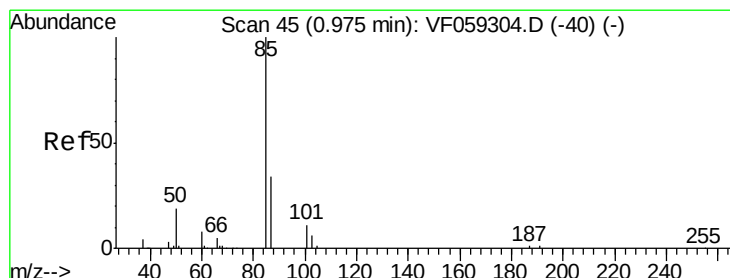
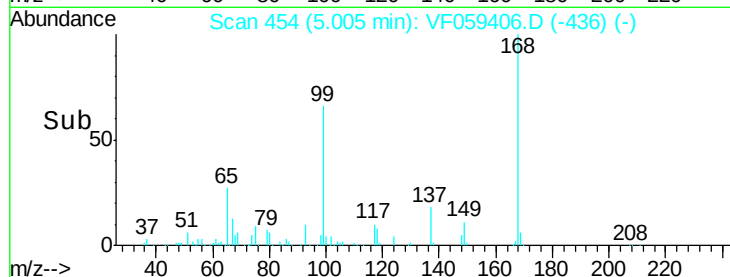
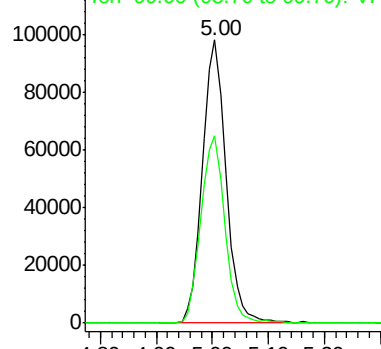
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 19.453 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059406.D

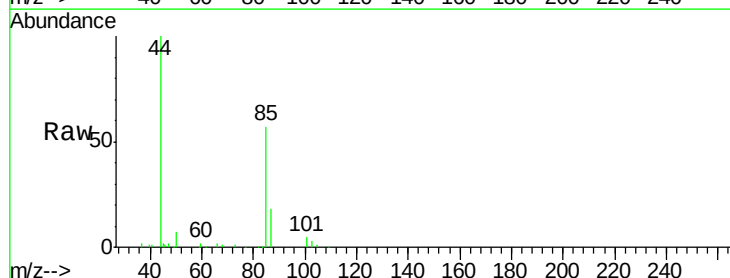
Acq: 3 Jul 2018 12:23

Tgt Ion: 85 Resp: 51184

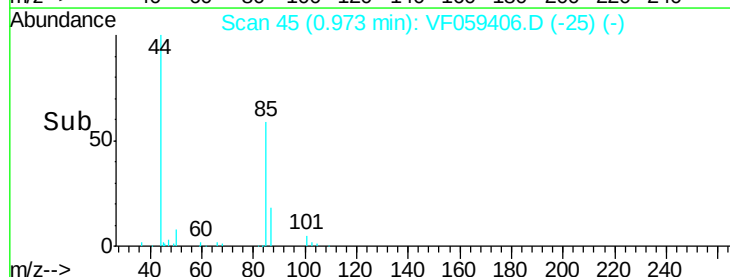
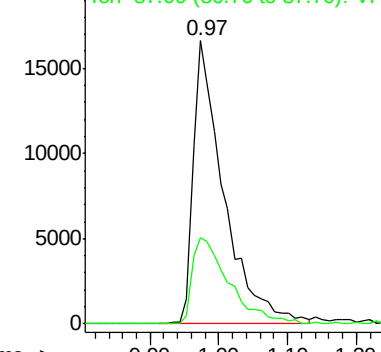
Ion Ratio Lower Upper

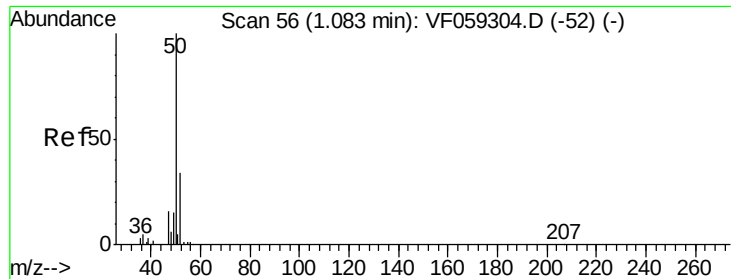
85 100

87 30.6 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 17.175 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 50 Resp: 30359

Ion Ratio Lower Upper

50 100

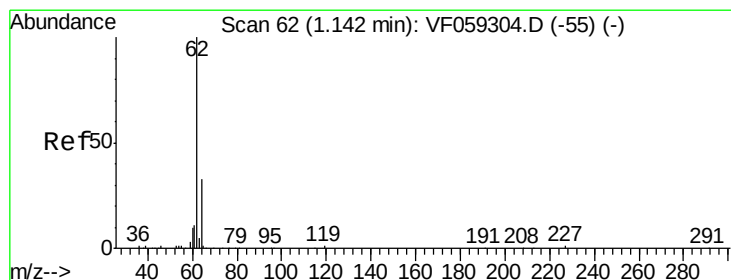
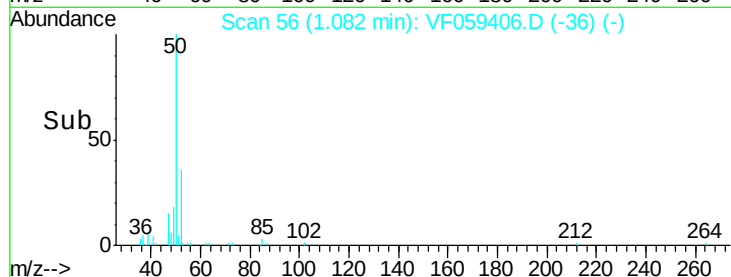
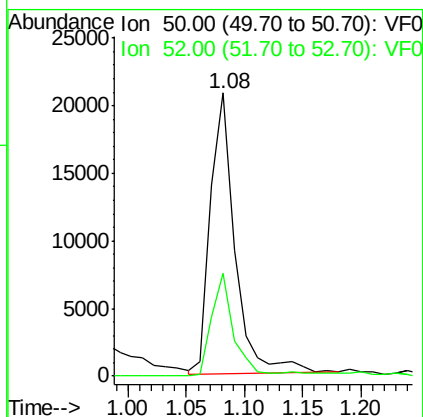
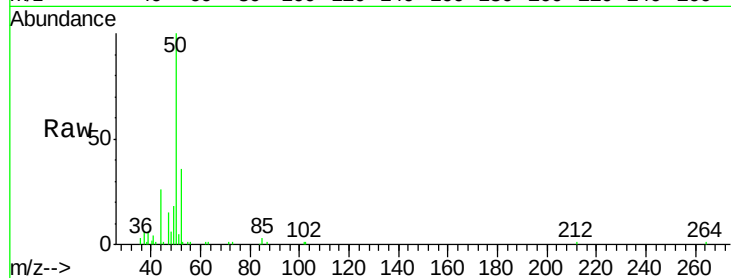
52 36.2 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.568 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059406.D

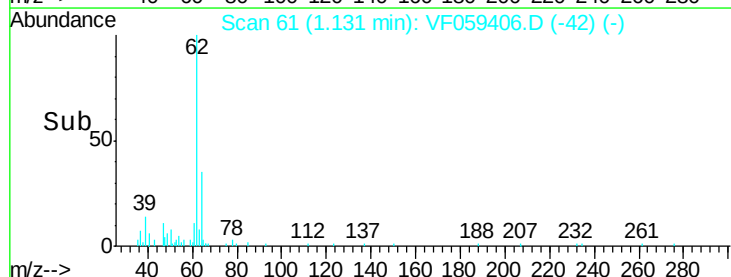
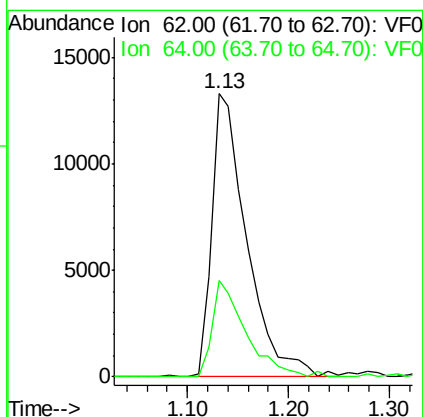
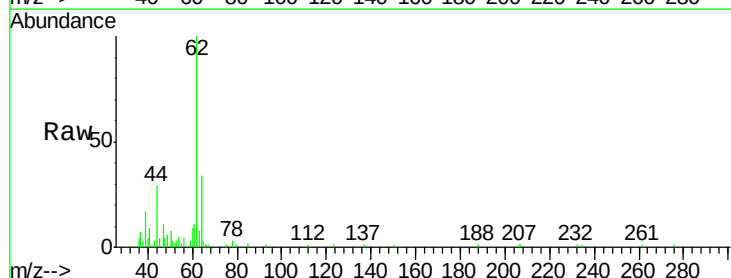
Acq: 3 Jul 2018 12:23

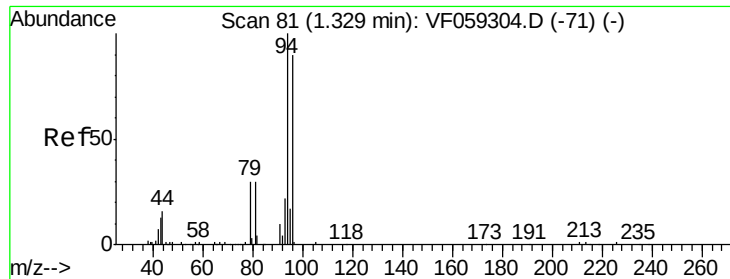
Tgt Ion: 62 Resp: 32308

Ion Ratio Lower Upper

62 100

64 34.2 26.3 39.5





#5

Bromomethane

Concen: 12.082 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 94 Resp: 15868

Ion Ratio Lower Upper

94 100

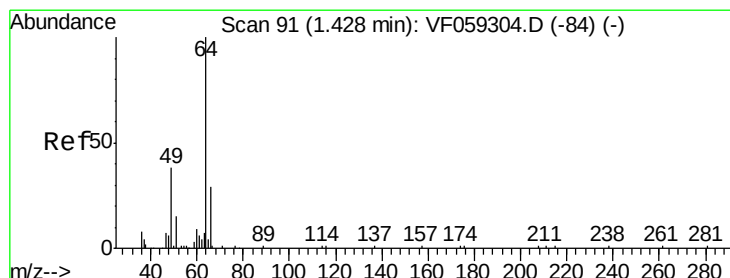
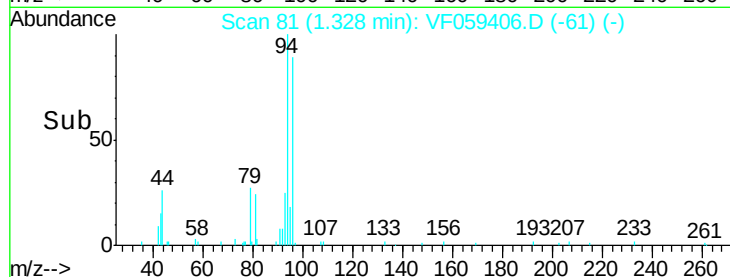
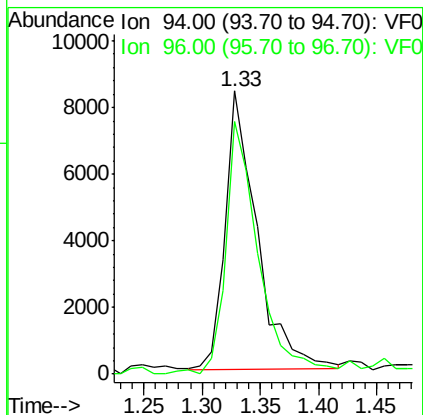
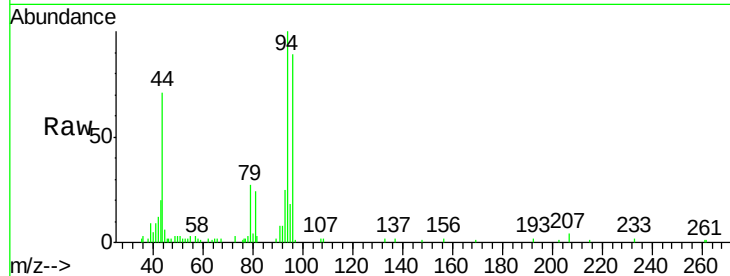
96 89.3 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 16.436 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059406.D

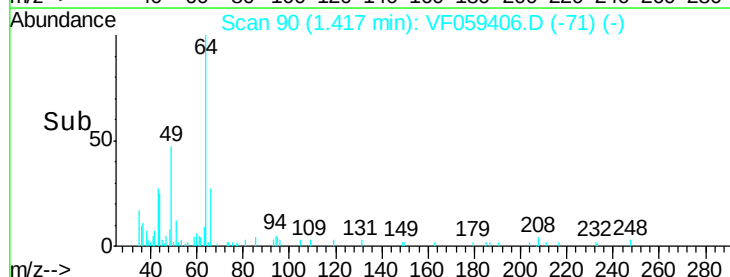
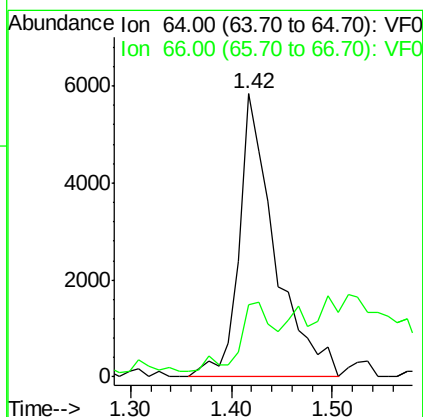
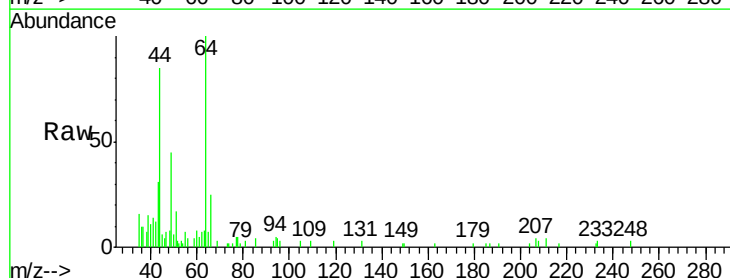
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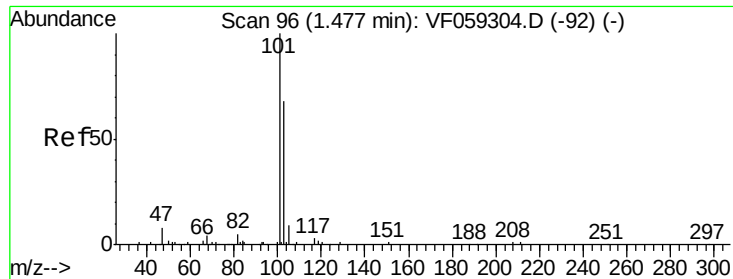
Tgt Ion: 64 Resp: 14404

Ion Ratio Lower Upper

64 100

66 25.4 23.9 35.9





#7

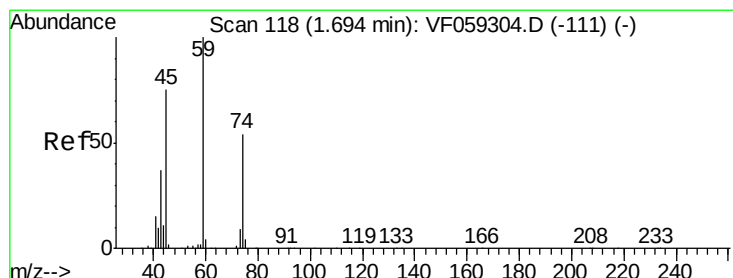
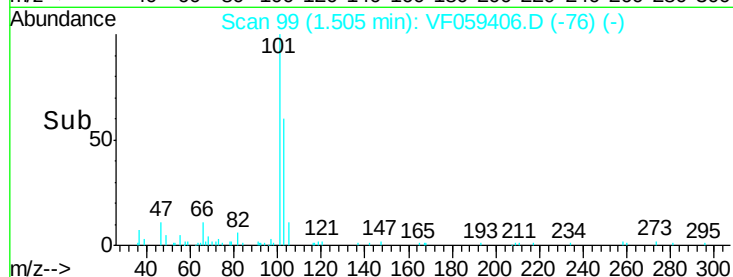
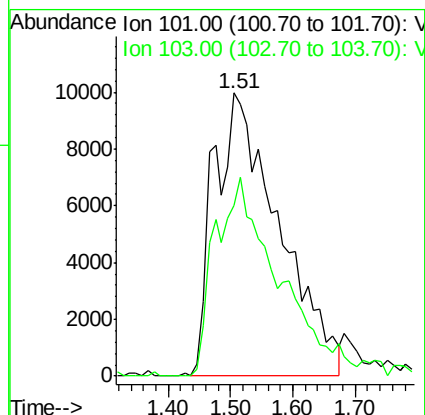
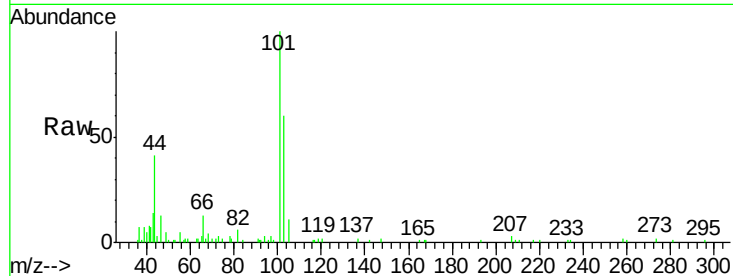
Trichlorofluoromethane
Concen: 21.017 ug/l m
RT: 1.51 min Scan# 99
Delta R.T. 0.03 min
Lab File: VF059406.D
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VF0703SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	54.2	81.2

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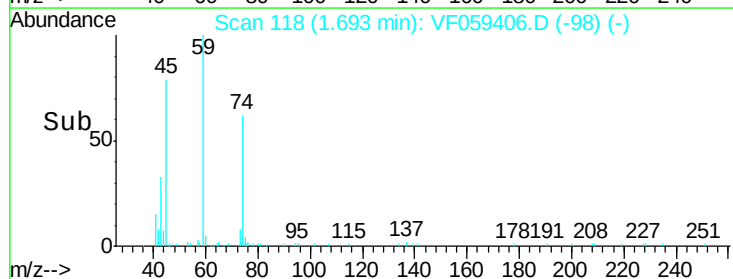
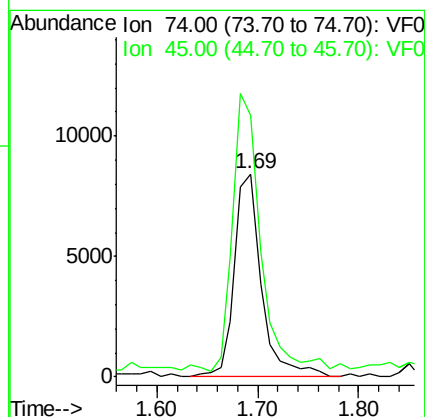
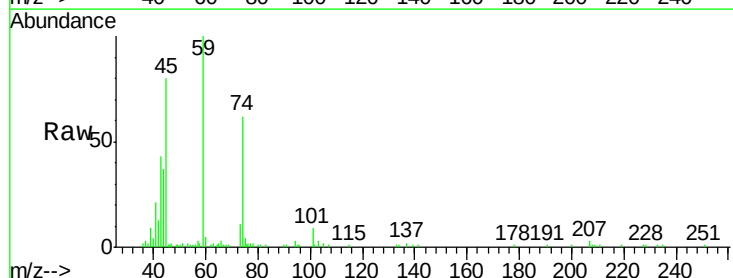
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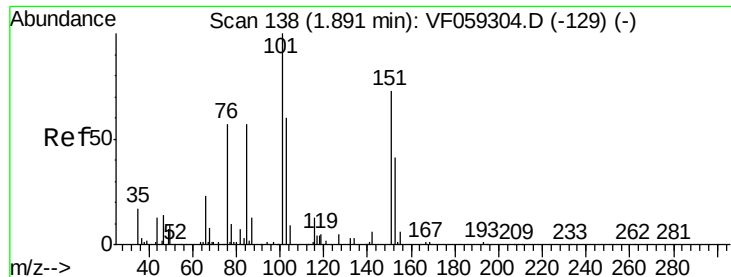


#8

Diethyl Ether
Concen: 17.900 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.7	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.375 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

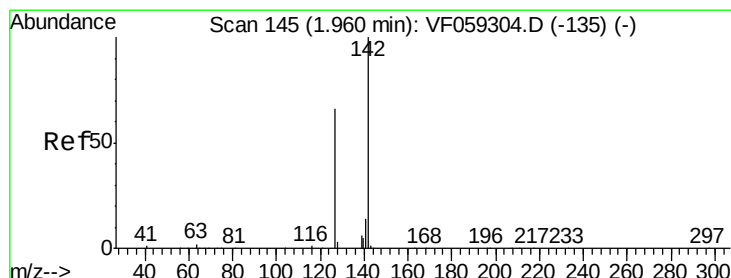
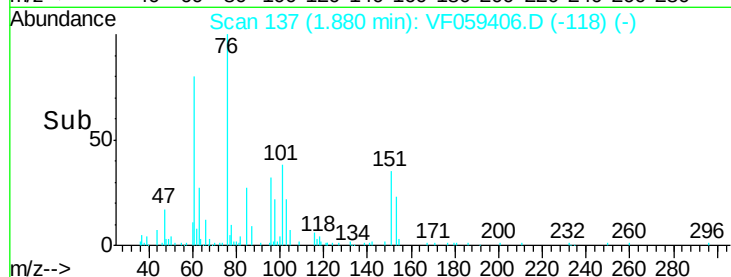
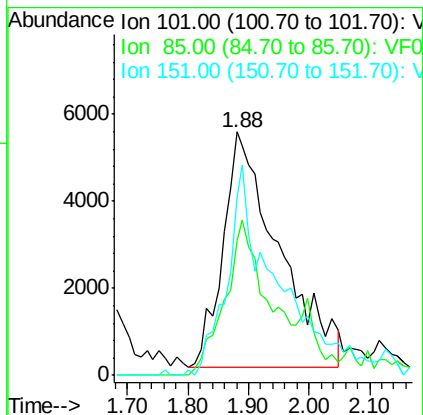
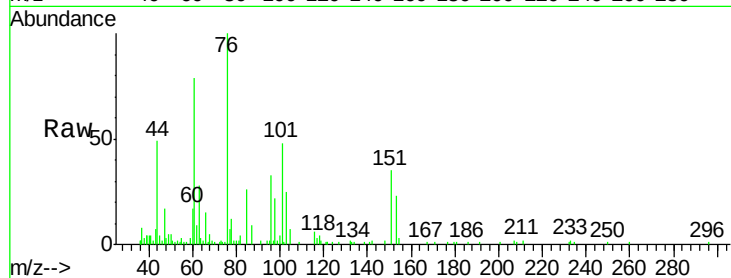
ClientSampleId :

VF0703SBS01

Tot Ion:	101	Resp:	34896
Ion Ratio	Lower	Upper	
101	100		
85	55.5	44.5	66.7
151	73.0	56.8	85.2

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#10

Methyl Iodide

Concen: 14.953 ug/l

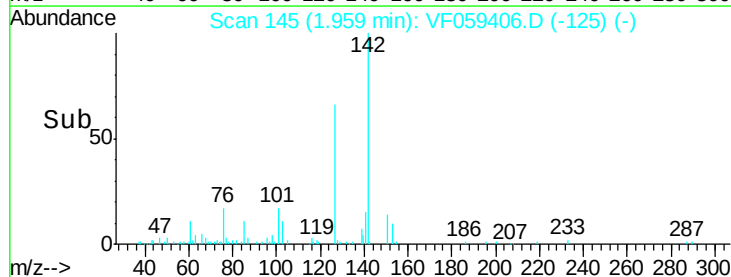
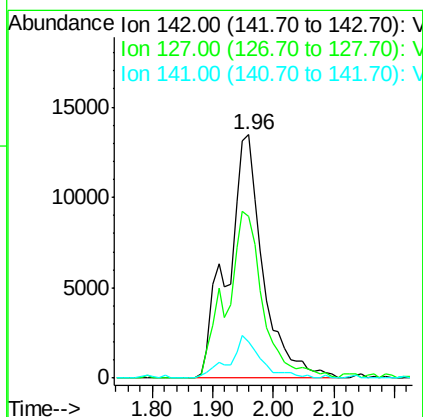
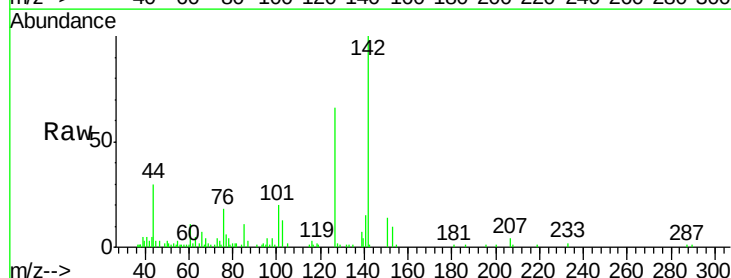
RT: 1.96 min Scan# 145

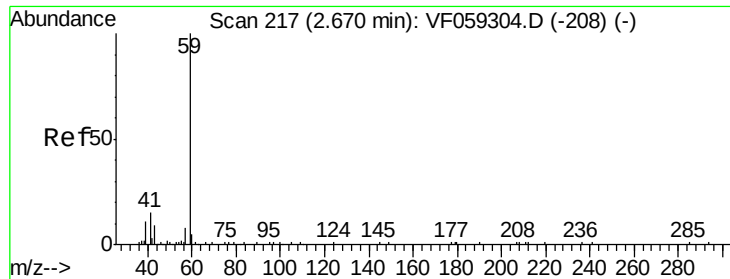
Delta R.T. -0.00 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	142	Resp:	54765
Ion Ratio	Lower	Upper	
142	100		
127	68.0	52.5	78.7
141	15.0	11.5	17.3





#11

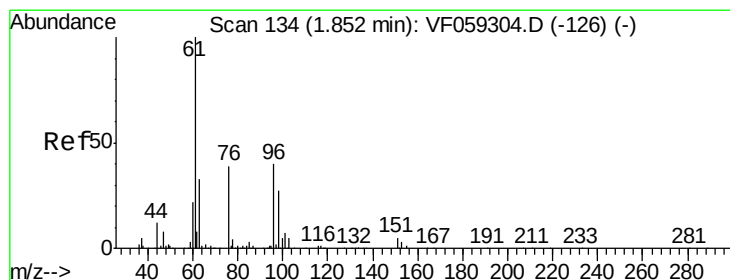
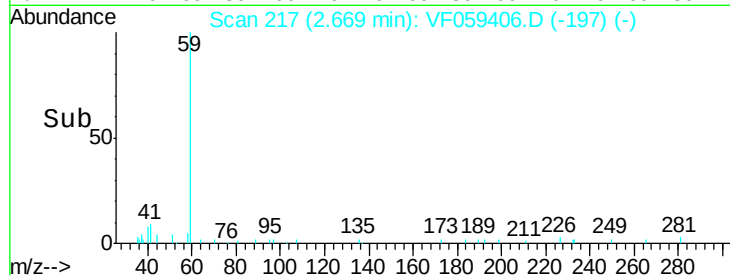
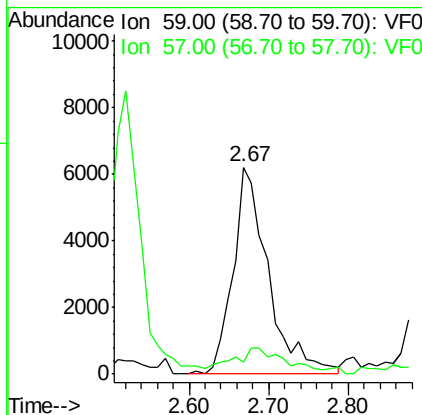
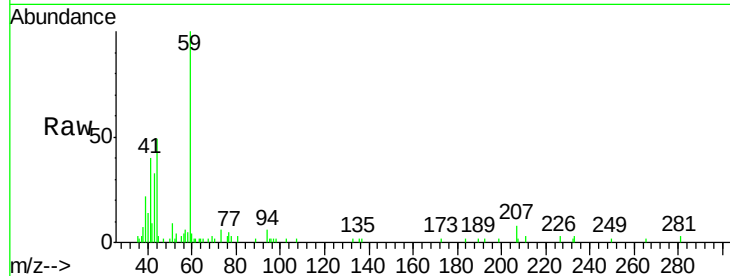
Tert butyl alcohol
Concen: 77.378 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	11.0	16.4#

Manual Integrations
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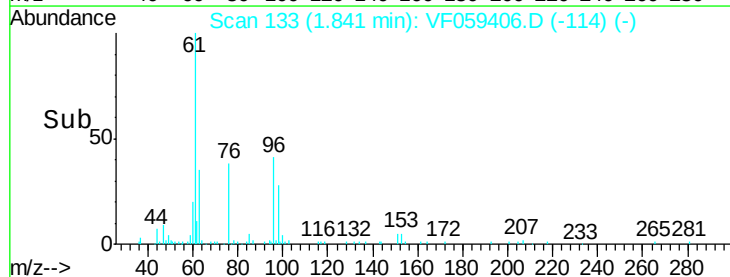
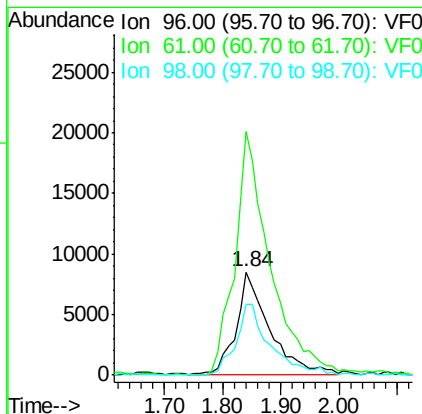
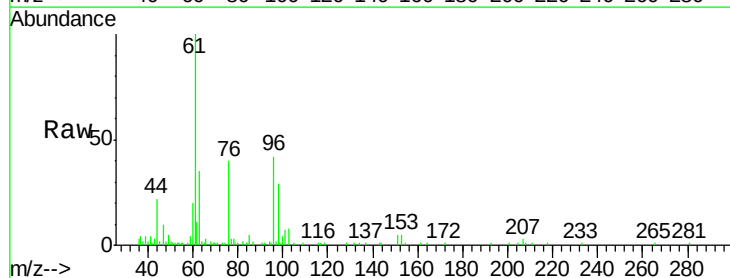
apatel
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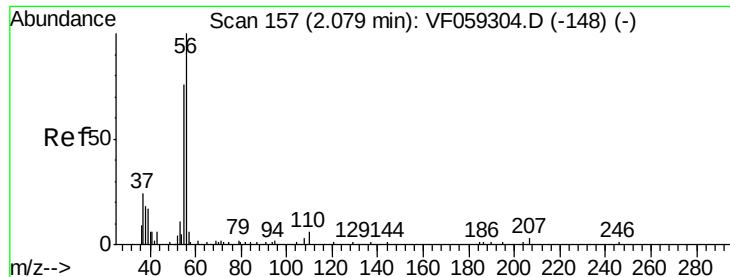


#12

1,1-Dichloroethene
Concen: 20.189 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	236.7	201.1	301.7
98	71.5	53.9	80.9





#13

Acrolein

Concen: 79.414 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tot Ion: 56 Resp: 10938

Ion Ratio Lower Upper

56 100

55 71.8 62.4 93.6

Instrument :

MSVOA_F

ClientSampleId :

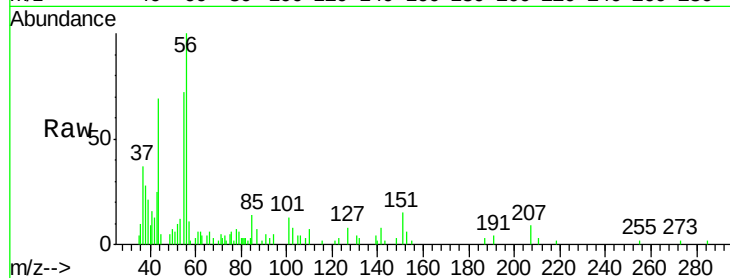
VF0703SBS01

Manual Integrations

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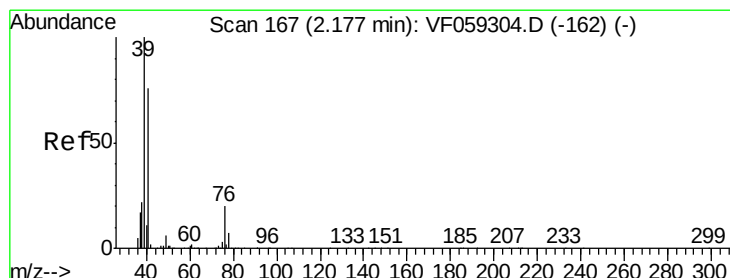
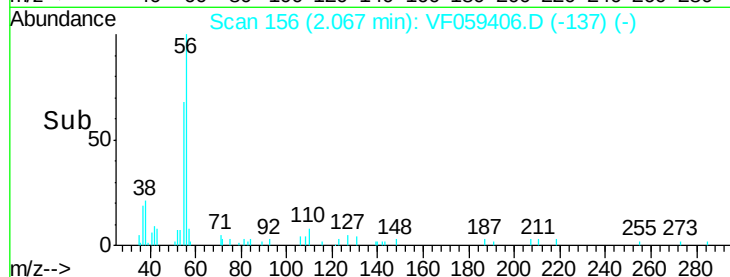
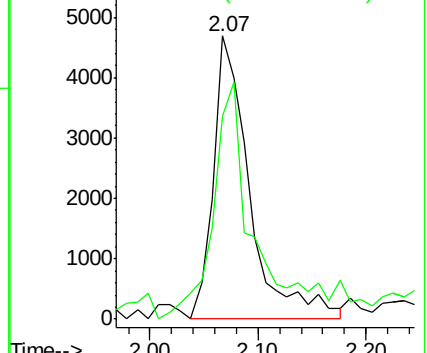
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 17.247 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

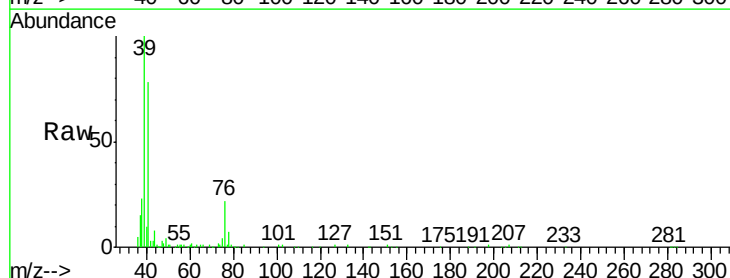
Tgt Ion: 41 Resp: 54970

Ion Ratio Lower Upper

41 100

39 128.0 105.6 158.4

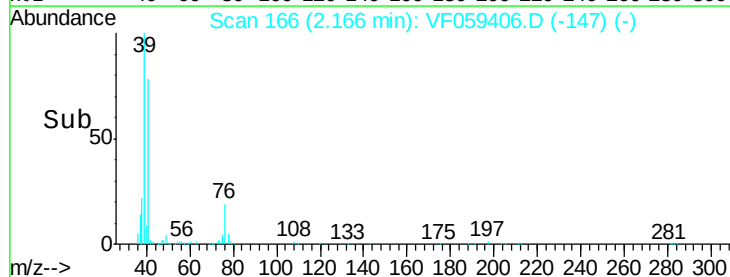
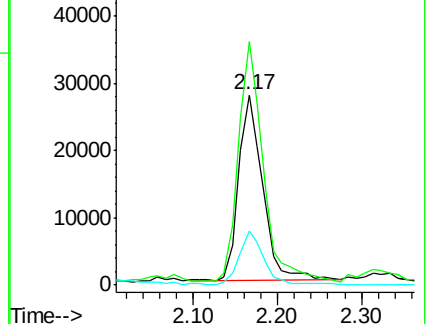
76 28.5 21.6 32.4

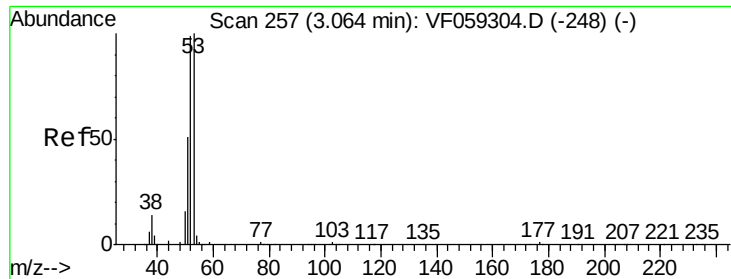


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 84.983 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

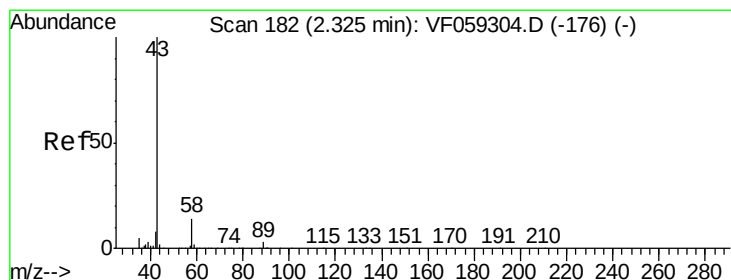
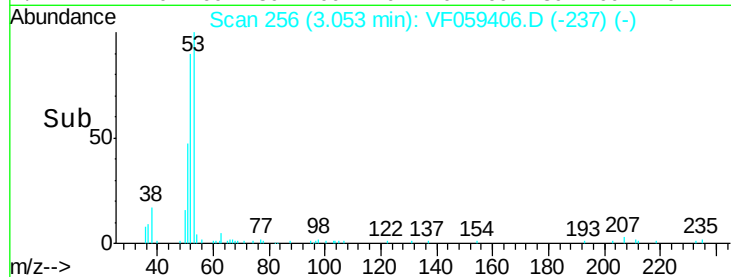
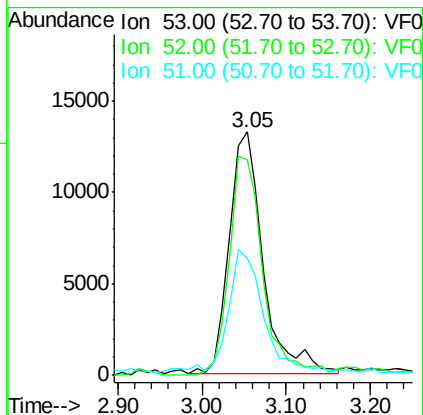
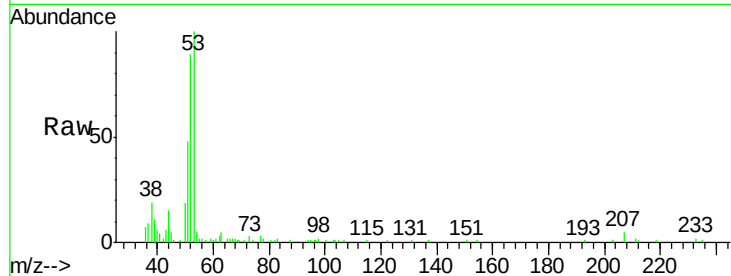
ClientSampleId :

VF0703SBS01

Tot Ion:	53	Resp:	37070
Ion	Ratio	Lower	Upper
53	100		
52	88.6	79.2	118.8
51	47.9	40.9	61.3

Manual Integrations
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#16

Acetone

Concen: 89.304 ug/l

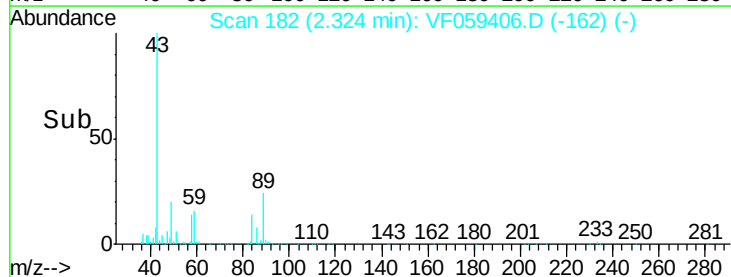
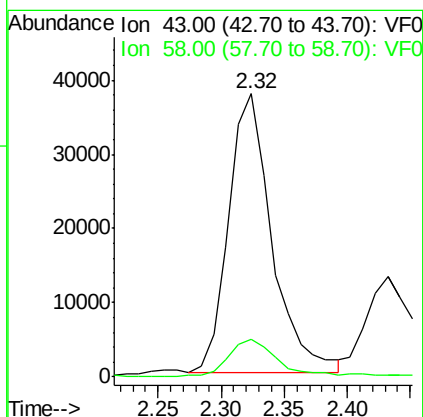
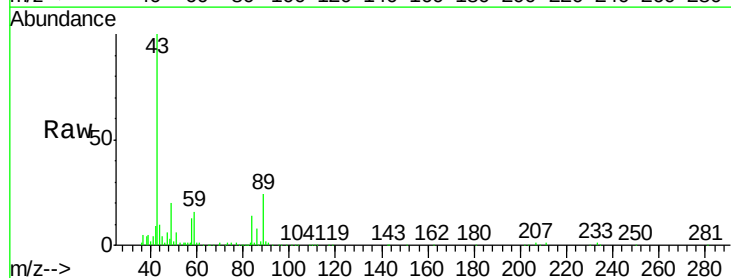
RT: 2.32 min Scan# 182

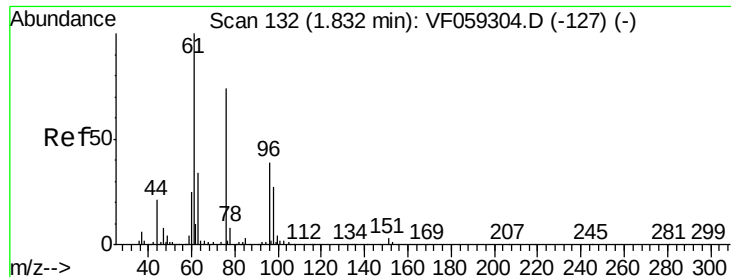
Delta R.T. -0.00 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	43	Resp:	89078
Ion	Ratio	Lower	Upper
43	100		
58	13.5	11.4	17.0





#17

Carbon Disulfide

Concen: 18.424 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 76 Resp: 73583

Ion Ratio Lower Upper

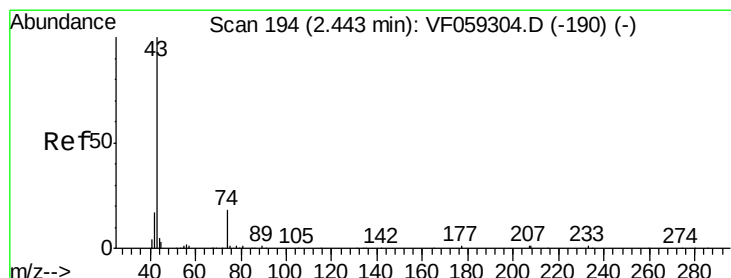
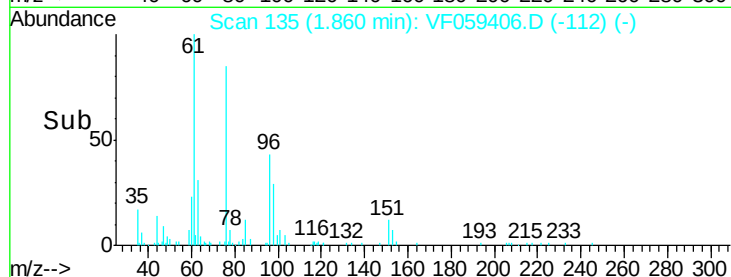
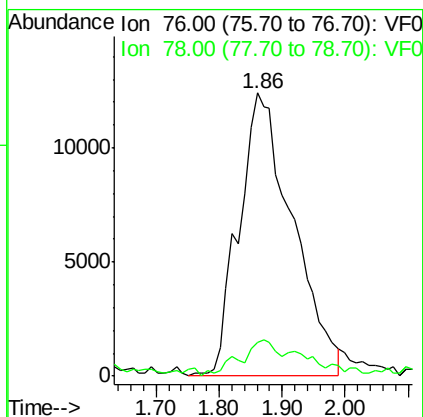
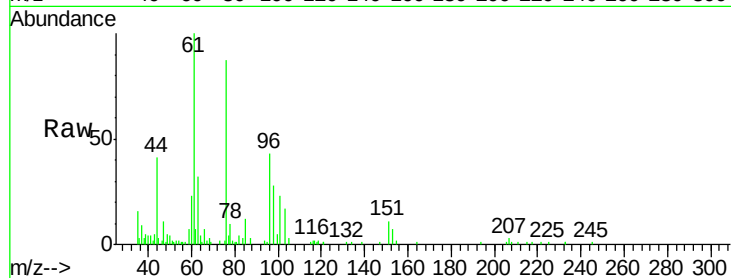
76 100

78 11.9 8.9 13.3

Manual Integrations
APPROVED

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#18

Methyl Acetate

Concen: 18.774 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059406.D

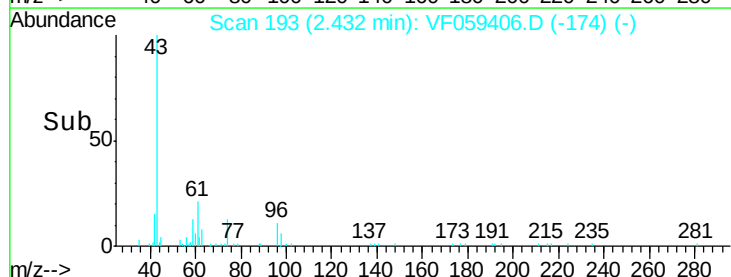
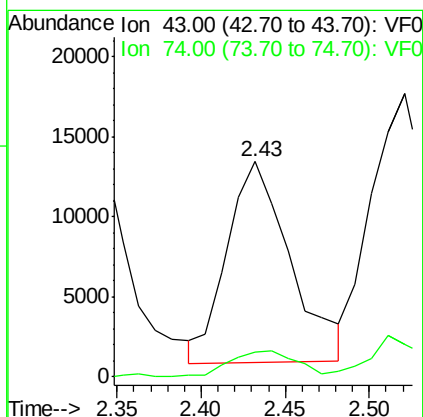
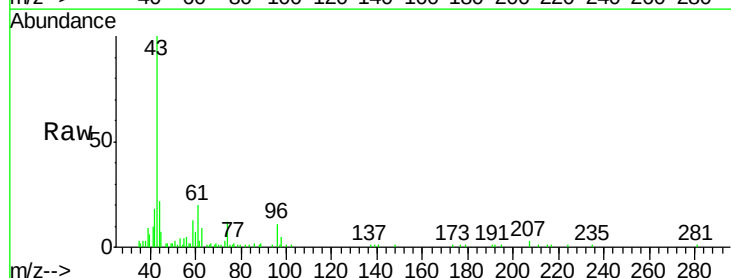
Acq: 3 Jul 2018 12:23

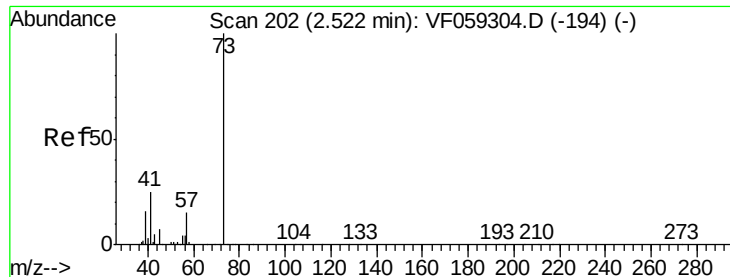
Tgt Ion: 43 Resp: 32749

Ion Ratio Lower Upper

43 100

74 11.8 13.3 19.9#





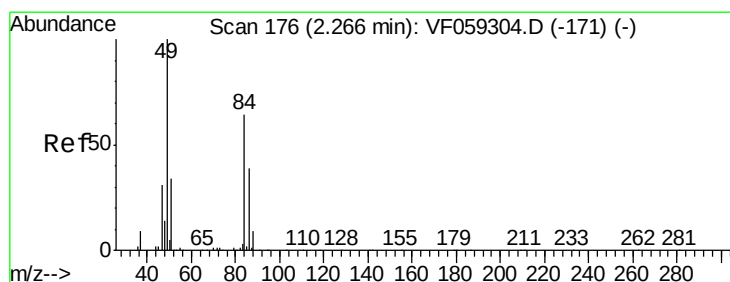
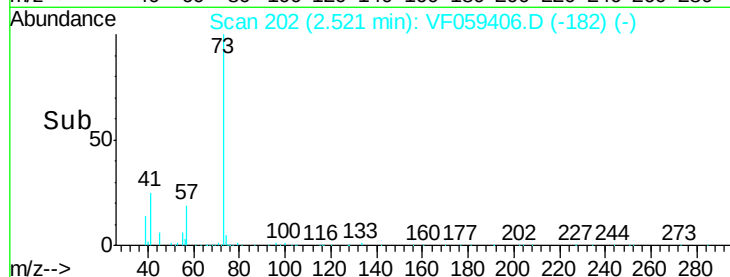
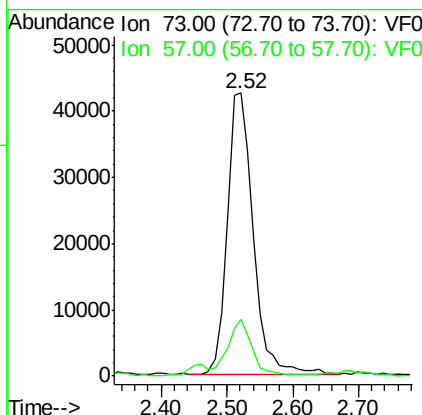
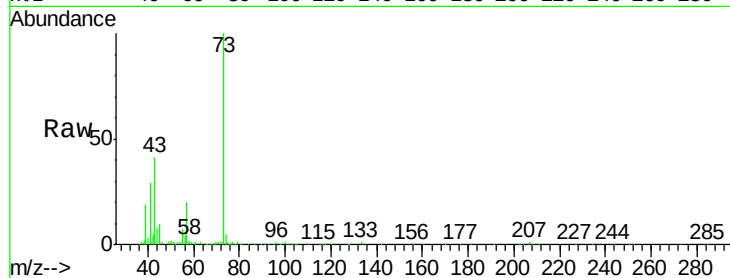
#19
Methyl tert-butyl Ether
Concen: 18.463 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	12.3	18.5#

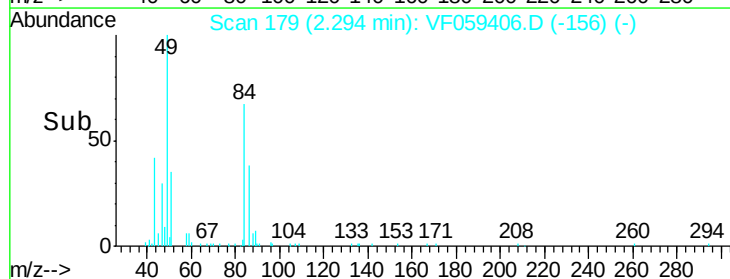
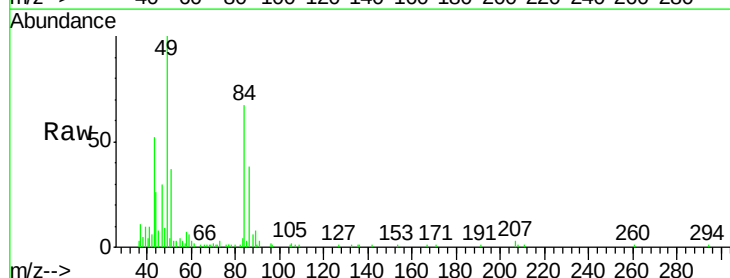
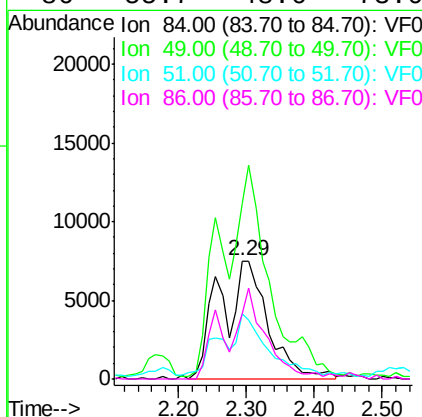
Manual Integrations
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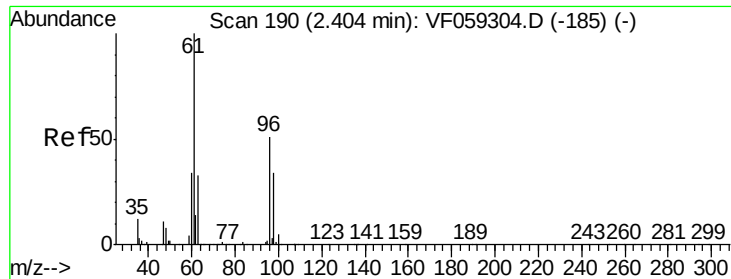
apatel
7/5/2018 12:41:22 PM



#20
Methylene Chloride
Concen: 12.117 ug/l m
RT: 2.29 min Scan# 179
Delta R.T. 0.03 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.4	126.5	189.7
51	54.7	42.9	64.3
86	55.7	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 19.423 ug/l

RT: 2.39 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

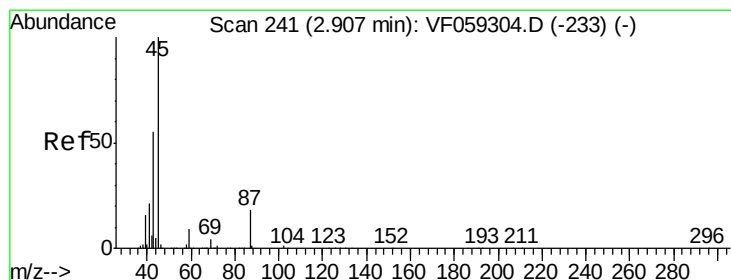
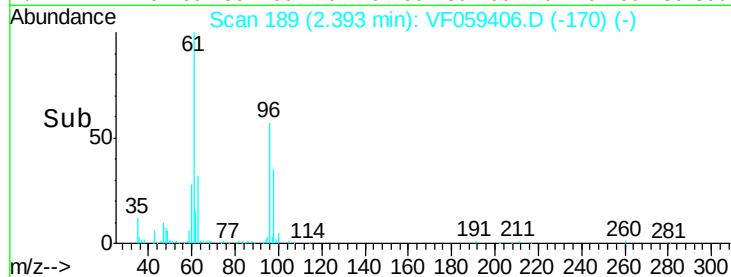
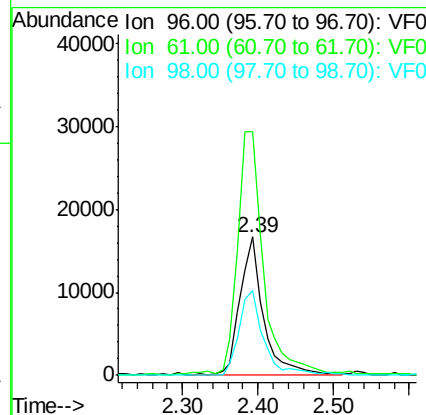
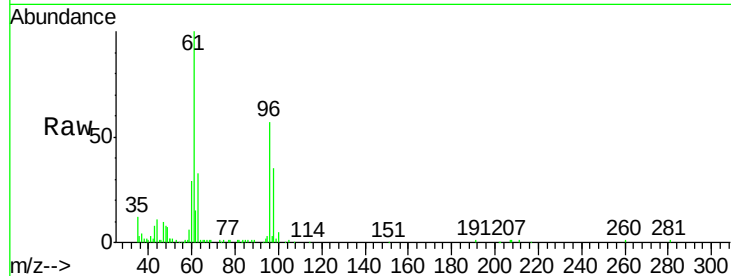
ClientSampleId :

VF0703SBS01

Tot Ion:	96	Resp:	35179
Ion	Ratio	Lower	Upper
96	100		
61	175.4	157.4	236.2
98	61.7	53.7	80.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.523 ug/l

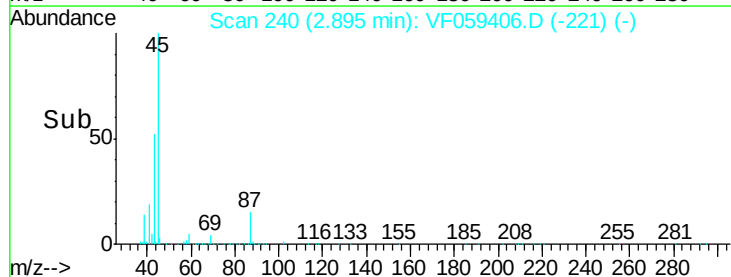
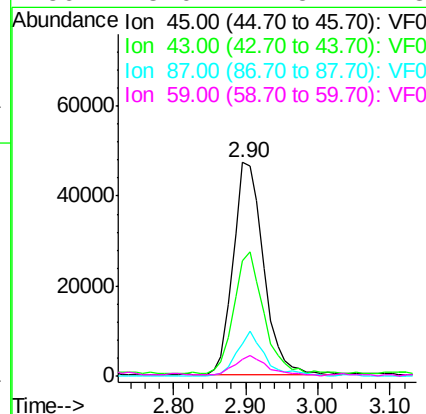
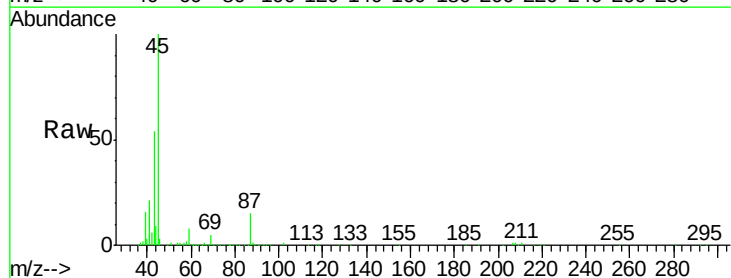
RT: 2.90 min Scan# 240

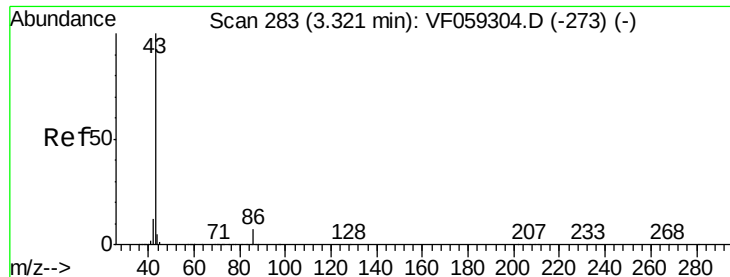
Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	45	Resp:	137789
Ion	Ratio	Lower	Upper
45	100		
43	54.1	44.6	66.8
87	14.8	14.3	21.5
59	8.0	7.5	11.3





#23

Vinyl Acetate

Concen: 102.303 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 43 Resp: 459833

Ion Ratio Lower Upper

43 100

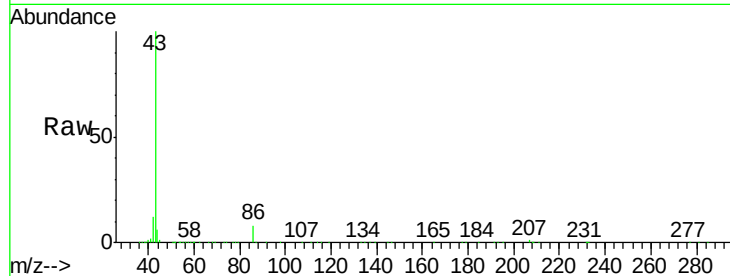
86 7.5 5.8 8.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.31

200000

150000

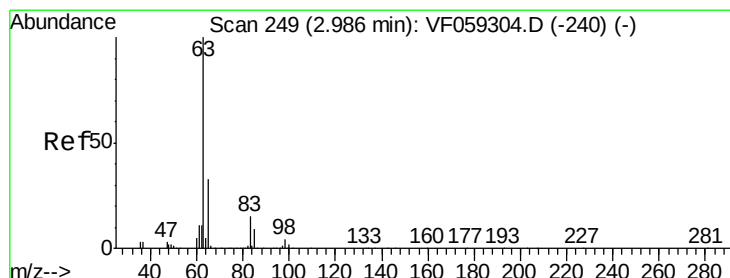
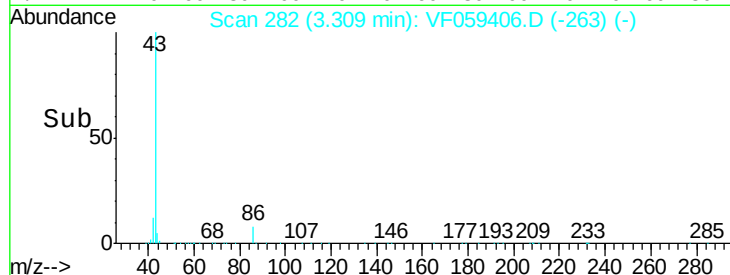
100000

50000

0

3.10 3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.837 ug/l

RT: 2.97 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

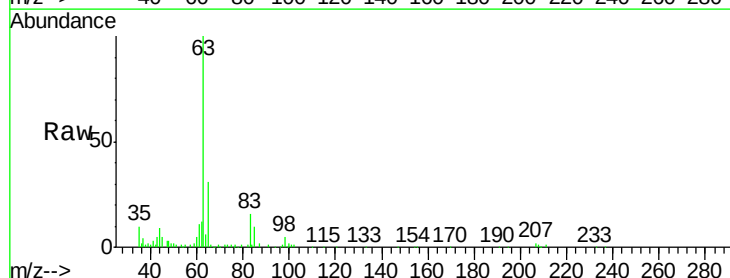
Tgt Ion: 63 Resp: 86806

Ion Ratio Lower Upper

63 100

98 5.1 2.0 6.0

100 1.7 1.3 3.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.97

40000

30000

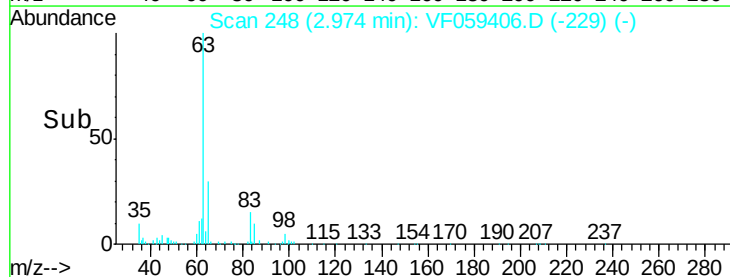
20000

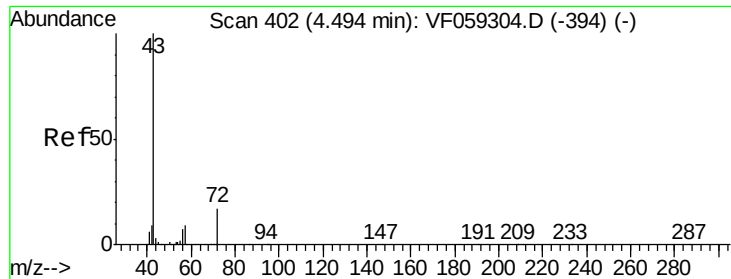
10000

0

2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 101.379 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 43 Resp: 115948

Ion Ratio Lower Upper

43 100

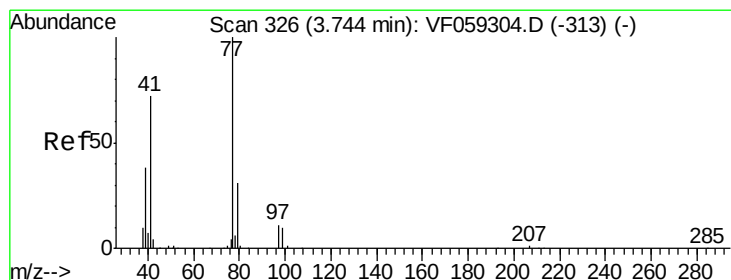
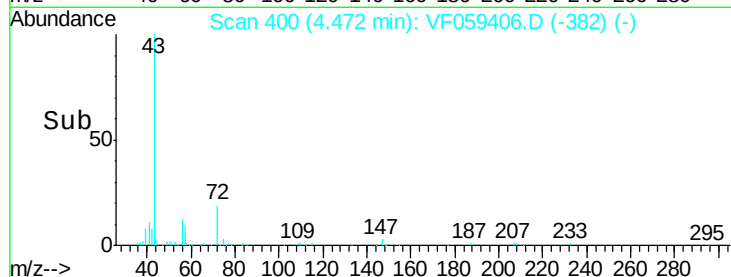
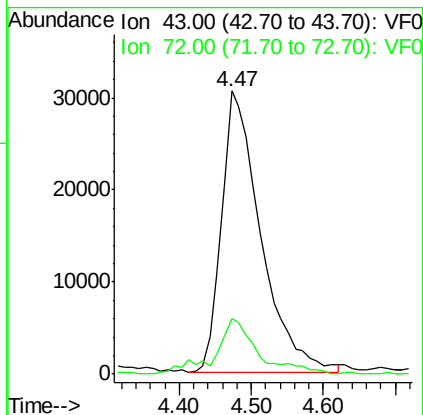
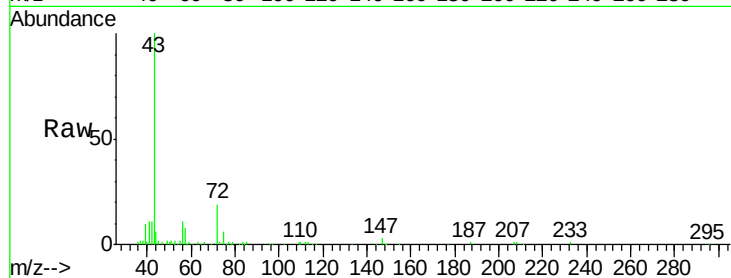
72 19.5 14.4 21.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.093 ug/l

RT: 3.72 min Scan# 324

Delta R.T. -0.02 min

Lab File: VF059406.D

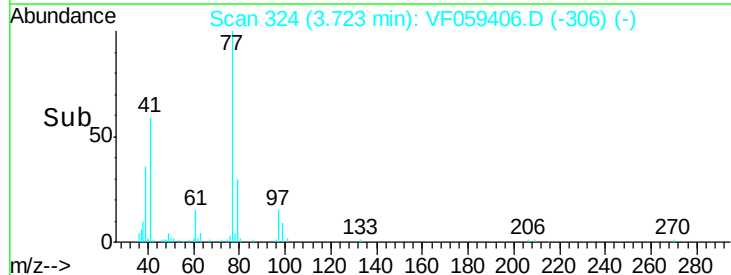
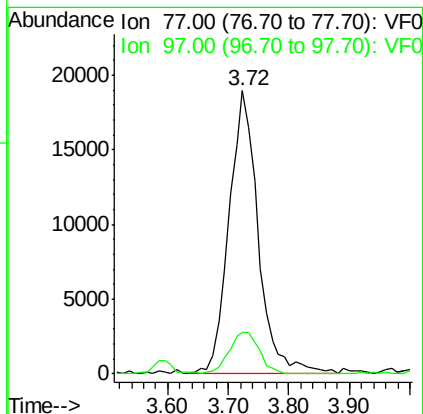
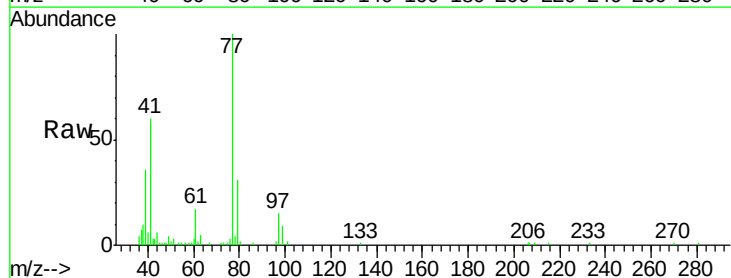
Acq: 3 Jul 2018 12:23

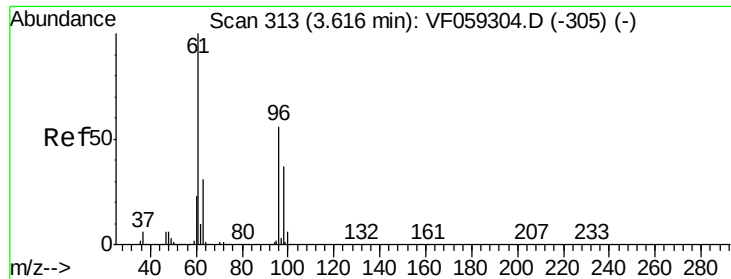
Tgt Ion: 77 Resp: 63661

Ion Ratio Lower Upper

77 100

97 14.8 8.0 23.8





#27

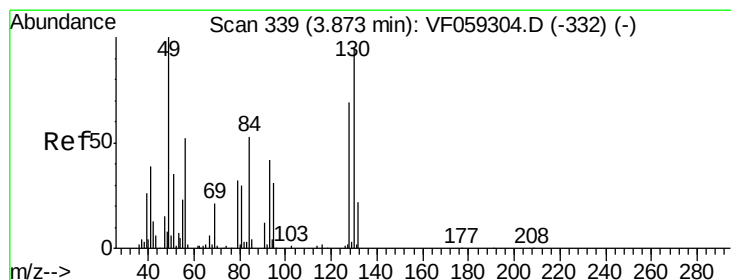
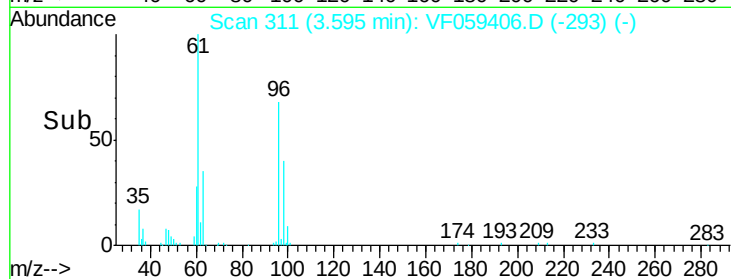
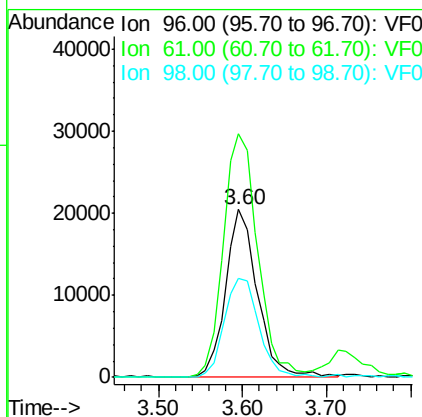
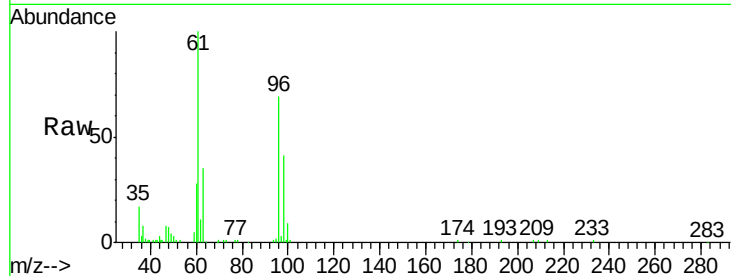
cis-1,2-Dichloroethene
Concen: 19.736 ug/l
RT: 3.60 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	355.4
98	59.1	0.0	131.0

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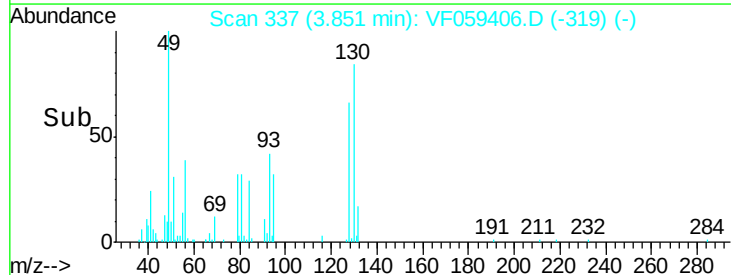
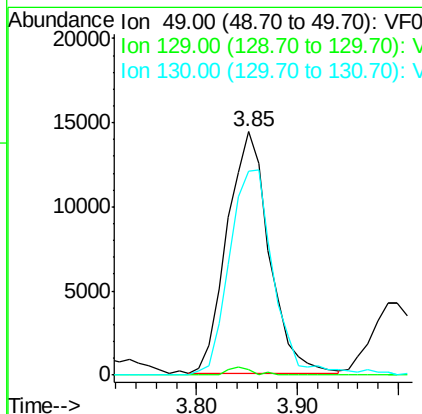
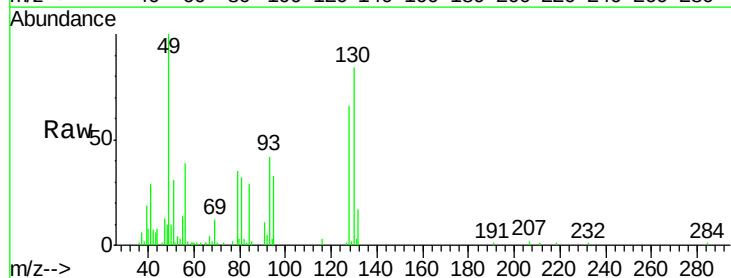
apatel
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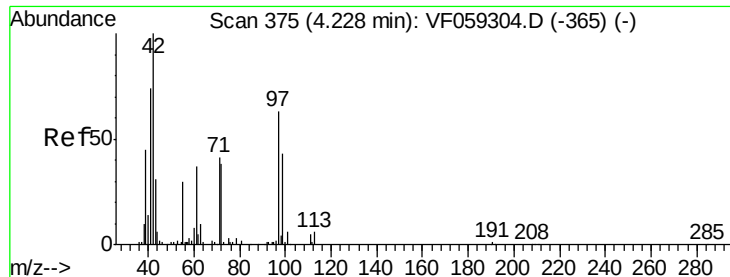


#28

Bromochloromethane
Concen: 22.554 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	6.4
130	84.0	75.1	112.7





#29

Tetrahydrofuran

Concen: 86.299 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

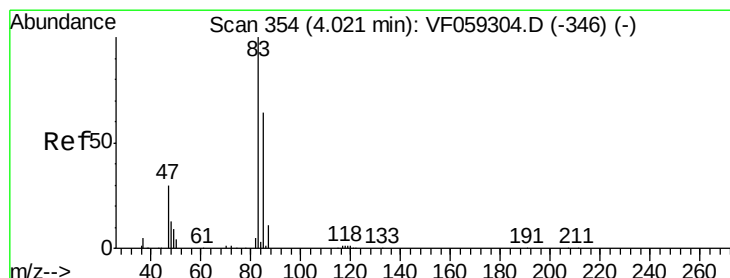
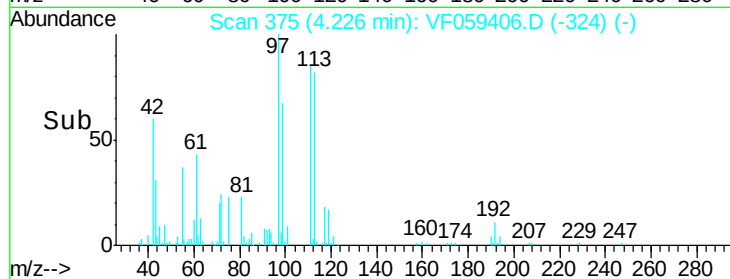
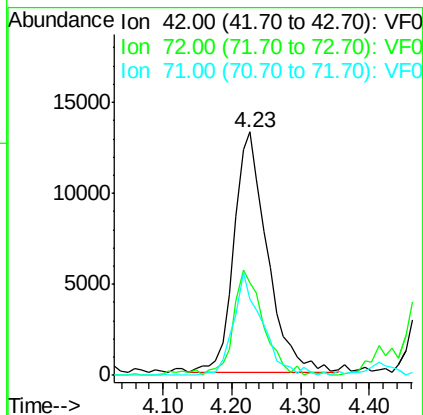
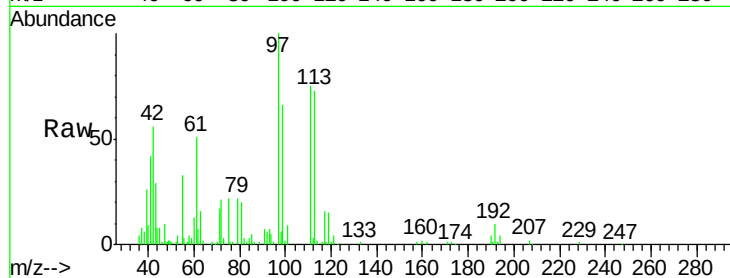
ClientSampleId :

VF0703SBS01

Tot Ion:	42	Resp:	44076
Ion	Ratio	Lower	Upper
42	100		
72	39.8	30.5	45.7
71	36.9	32.5	48.7

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#30

Chloroform

Concen: 20.593 ug/l

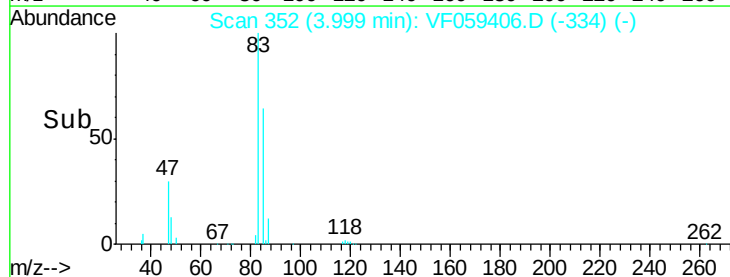
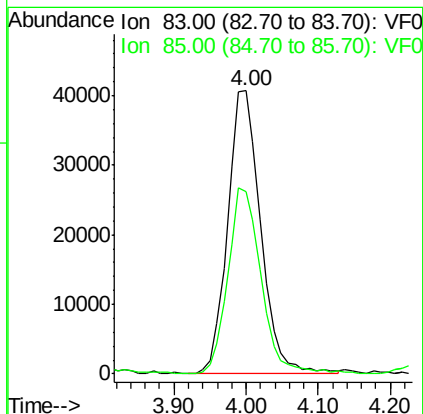
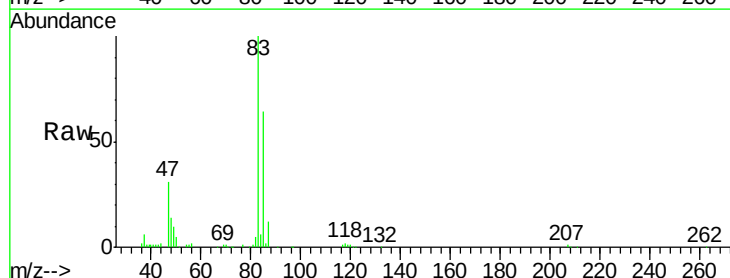
RT: 4.00 min Scan# 352

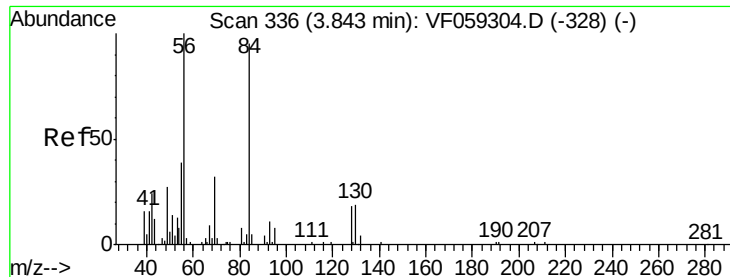
Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	83	Resp:	130455
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.3	76.9





#31

Cyclohexane

Concen: 15.975 ug/l

RT: 3.82 min Scan# 334

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

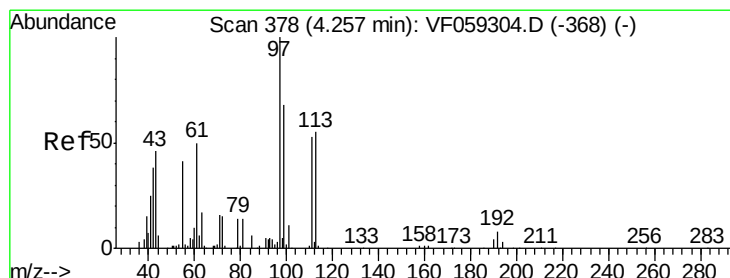
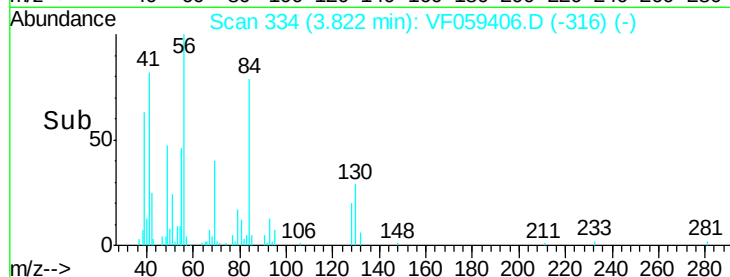
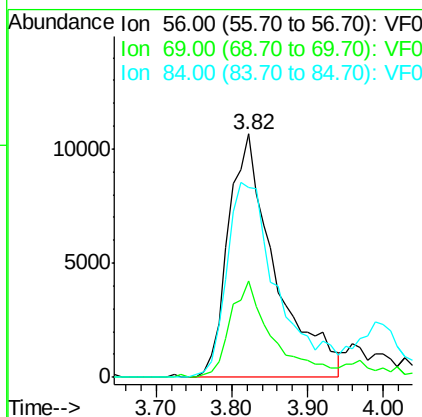
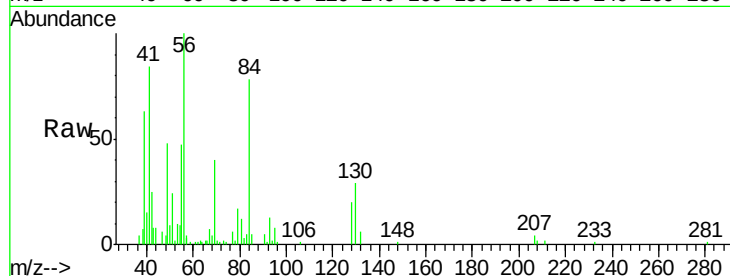
ClientSampleId :

VF0703SBS01

Tot Ion:	56	Resp:	45795
Ion	Ratio	Lower	Upper
56	100		
69	39.7	25.8	38.8#
84	77.8	75.6	113.4

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#32

1,1,1-Trichloroethane

Concen: 18.739 ug/l

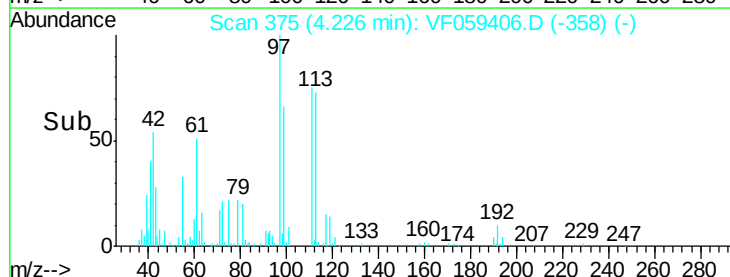
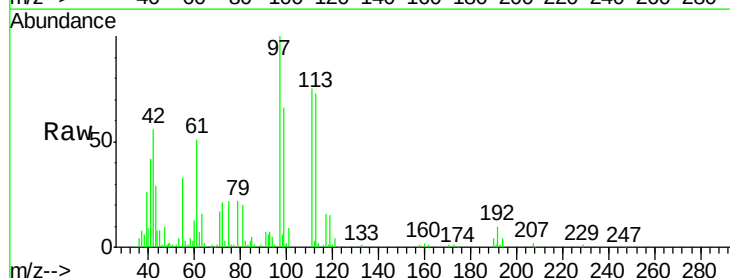
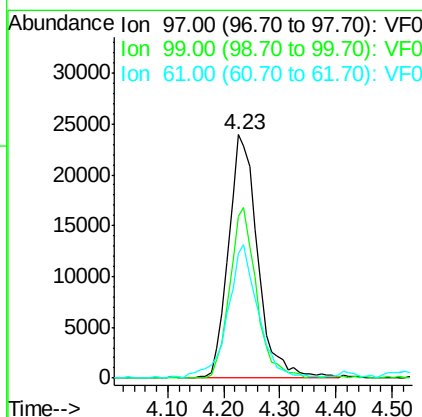
RT: 4.23 min Scan# 375

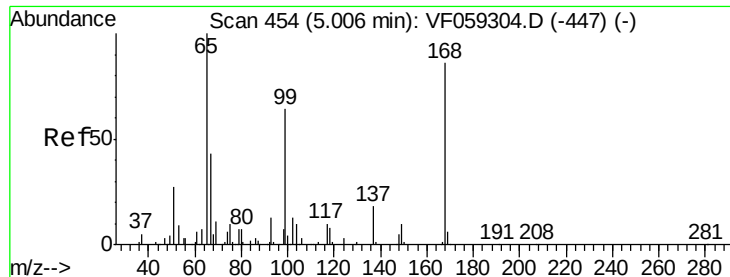
Delta R.T. -0.03 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	97	Resp:	86871
Ion	Ratio	Lower	Upper
97	100		
99	66.2	54.1	81.1
61	51.2	41.2	61.8





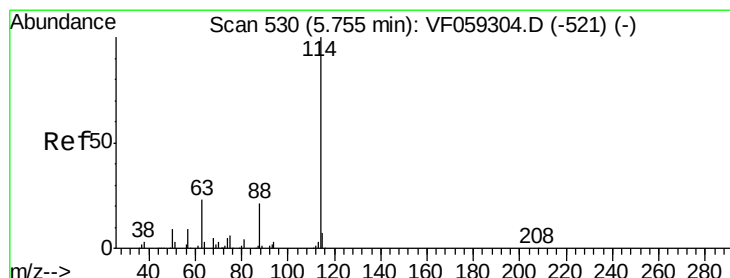
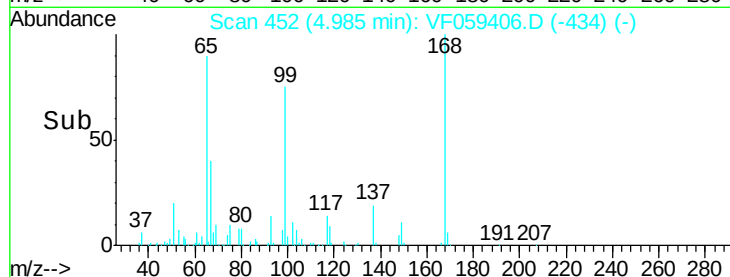
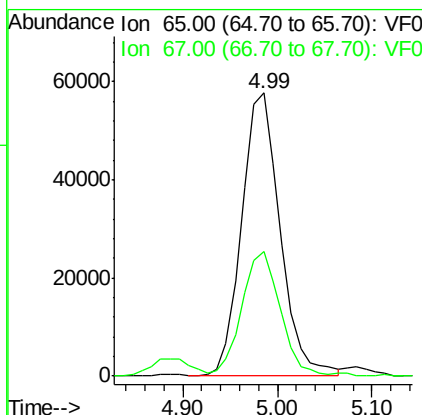
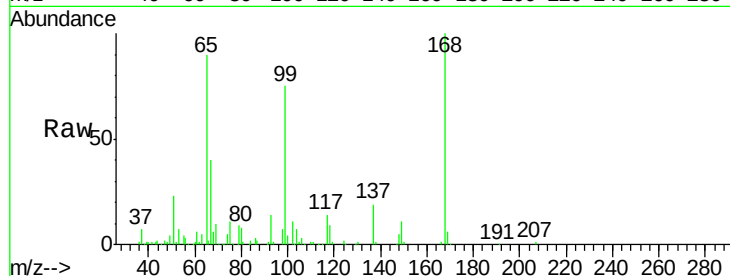
#33
 1,2-Dichloroethane-d4
 Concen: 43.585 ug/l
 RT: 4.99 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162170		
67	44.2	0.0	96.8	

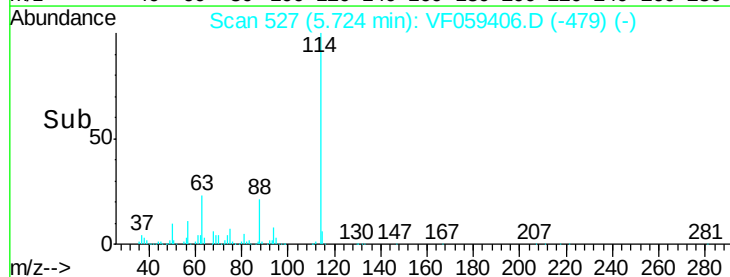
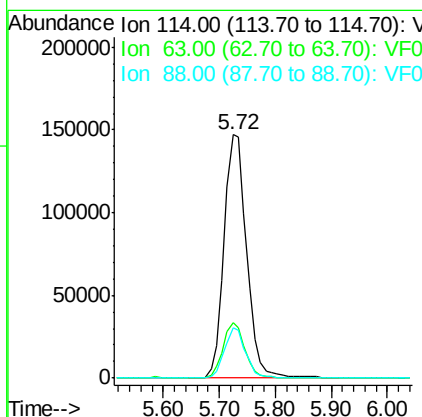
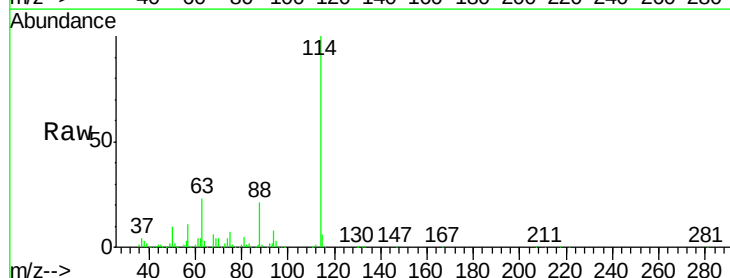
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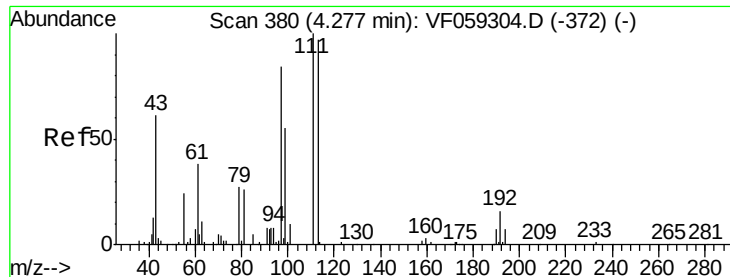
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.72 min Scan# 527
 Delta R.T. -0.03 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	413058		
63	22.8	0.0	45.8	
88	20.7	0.0	41.2	





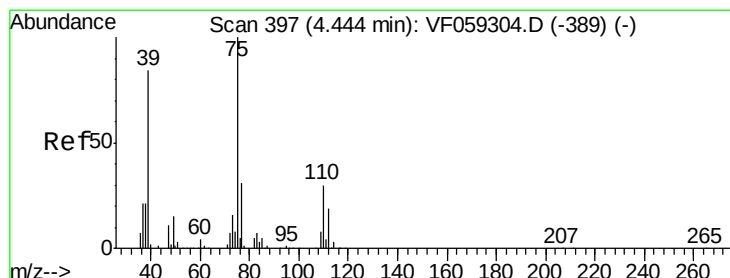
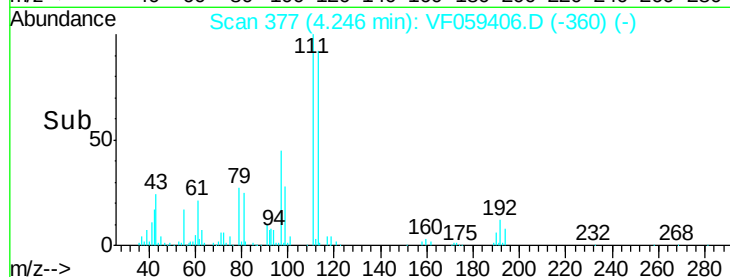
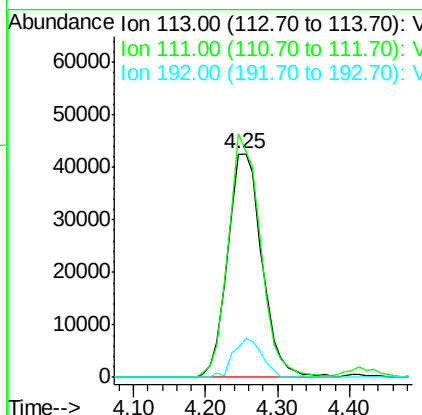
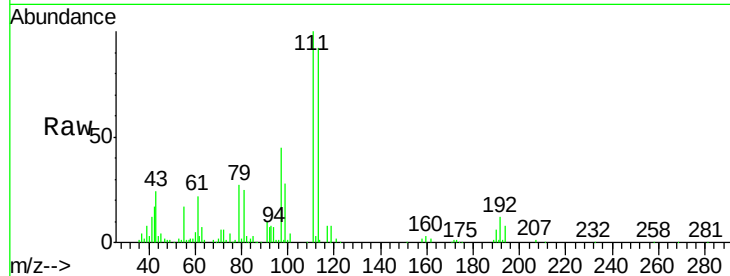
#35
 Dibromofluoromethane
 Concen: 46.903 ug/l
 RT: 4.25 min Scan# 377
 Delta R.T. -0.03 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141558		
111	109.0	82.1	123.1	
192	13.2	13.0	19.6	

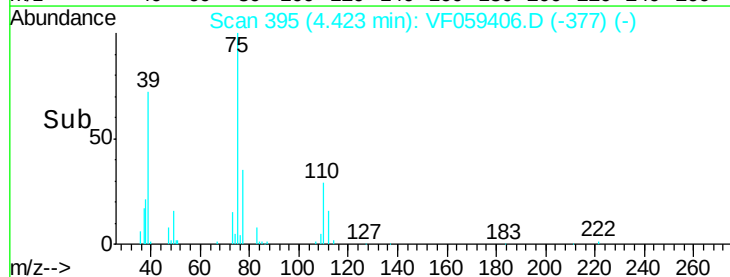
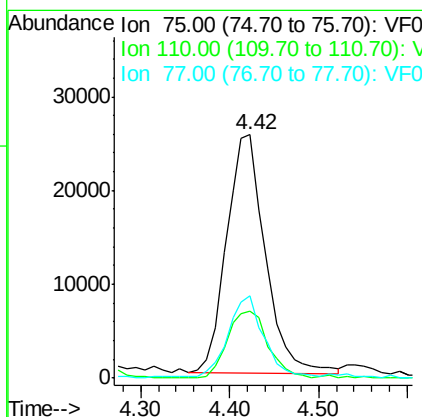
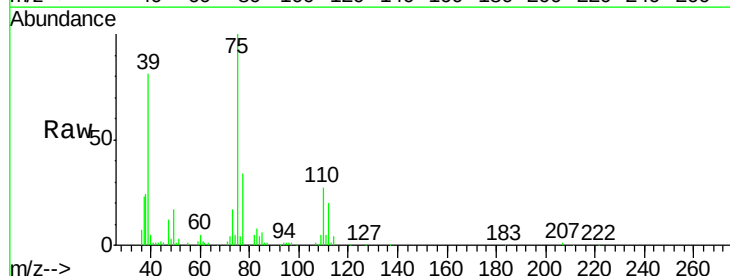
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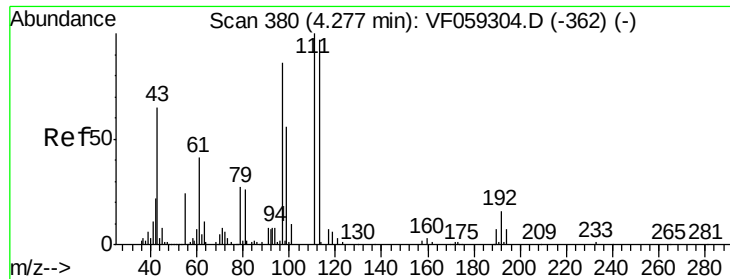
apatel
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#36
 1,1-Dichloropropene
 Concen: 21.408 ug/l
 RT: 4.42 min Scan# 395
 Delta R.T. -0.02 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77250		
110	27.4	14.8	44.4	
77	33.9	25.2	37.8	





#37

Ethyl Acetate

Concen: 21.674 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

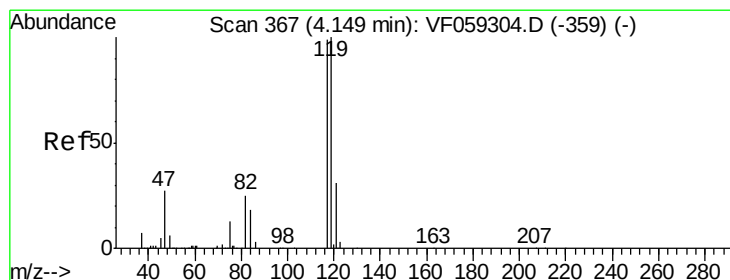
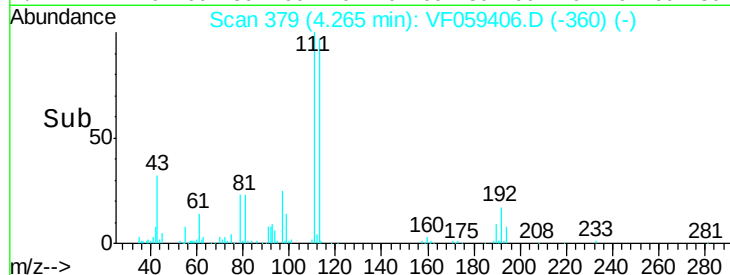
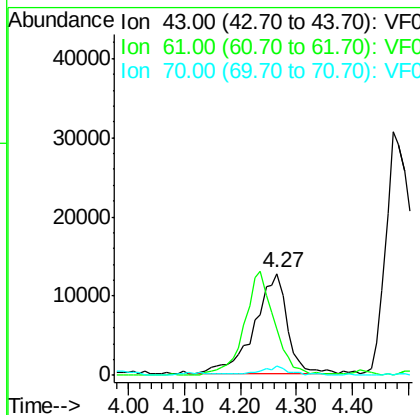
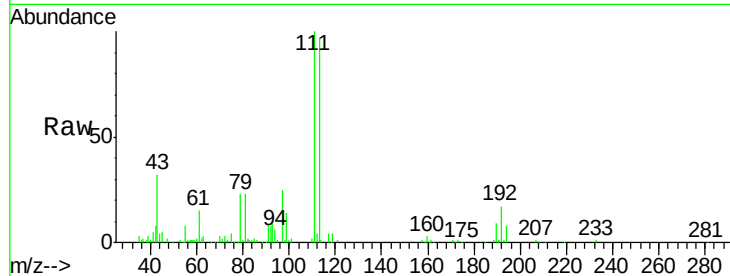
ClientSampleId :

VF0703SBS01

Tot Ion:	43	Resp:	51966
Ion	Ratio	Lower	Upper
43	100		
61	45.5	50.1	75.1#
70	9.5	6.2	9.4#

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#38

Carbon Tetrachloride

Concen: 21.217 ug/l

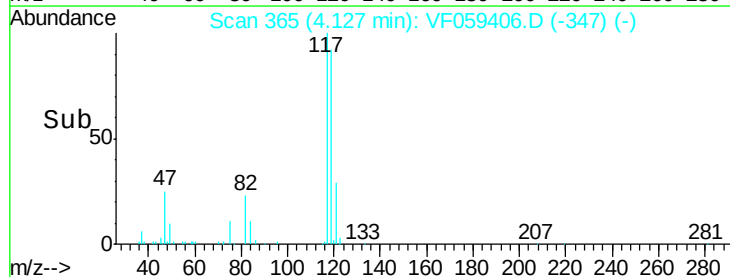
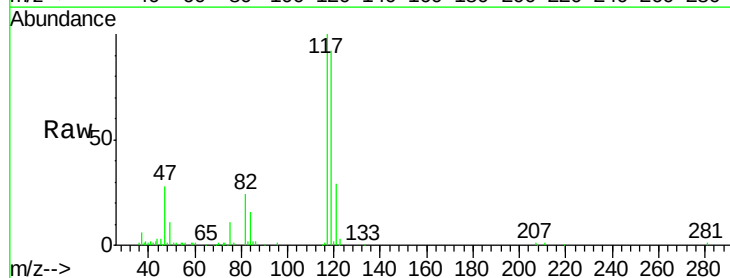
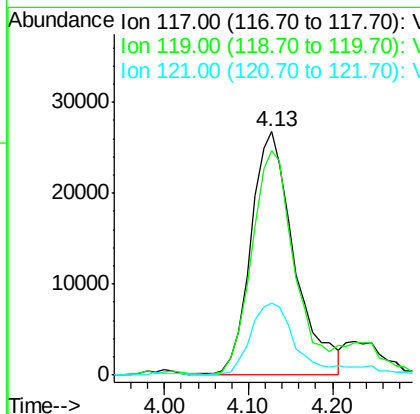
RT: 4.13 min Scan# 365

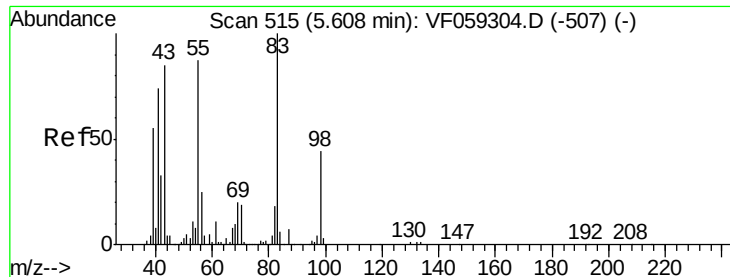
Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	117	Resp:	96615
Ion	Ratio	Lower	Upper
117	100		
119	92.0	81.0	121.4
121	29.4	24.7	37.1





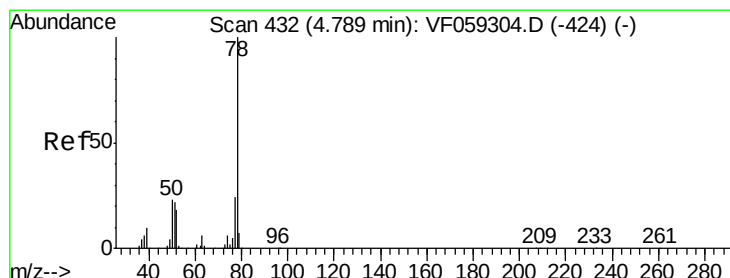
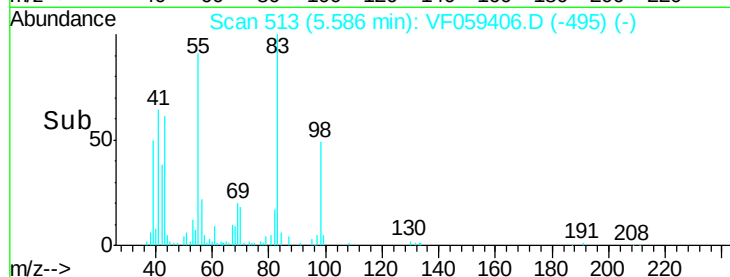
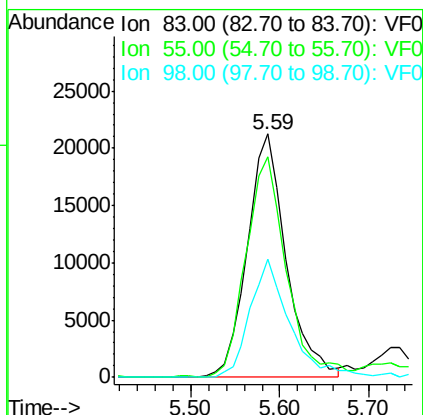
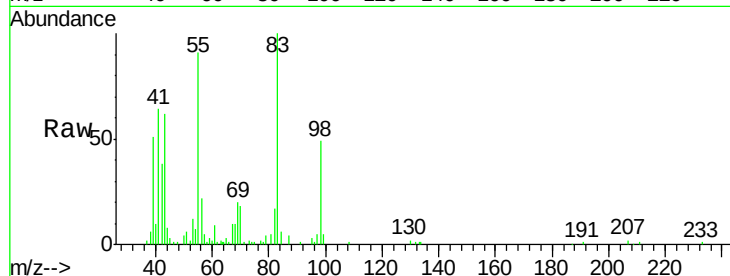
#39
Methylvlcyclohexane
Concen: 20.111 ug/l
RT: 5.59 min Scan# 513
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.9	69.2	103.8
98	48.6	35.0	52.6

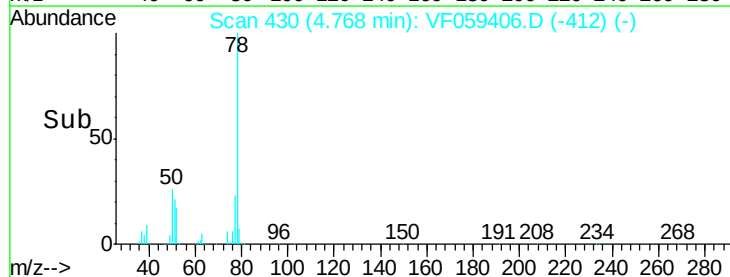
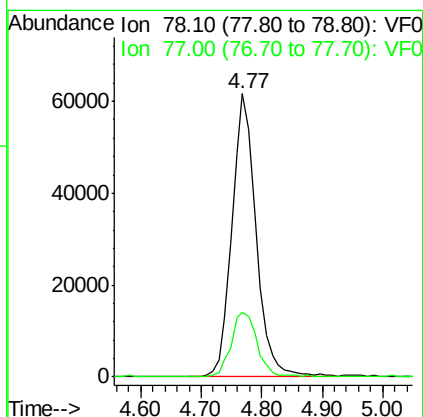
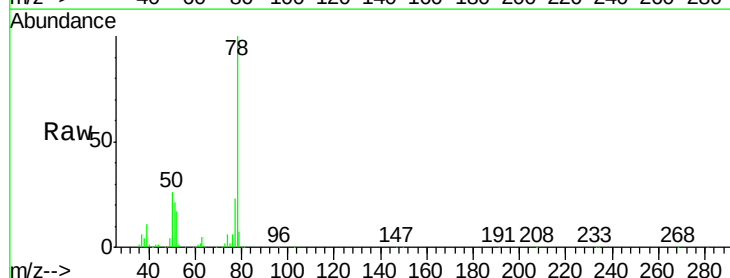
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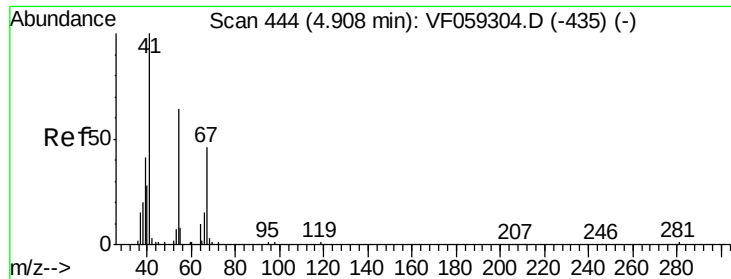
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#40
Benzene
Concen: 21.414 ug/l
RT: 4.77 min Scan# 430
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.6	29.4





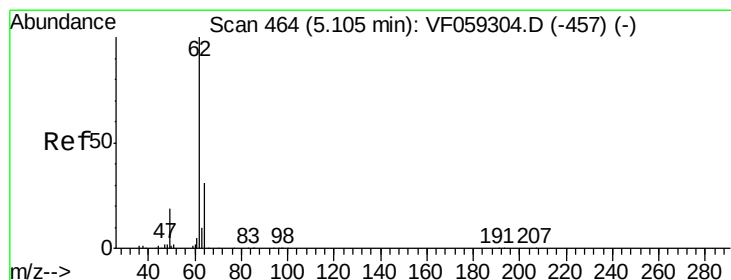
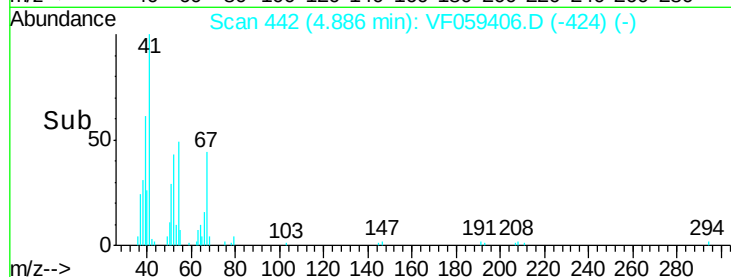
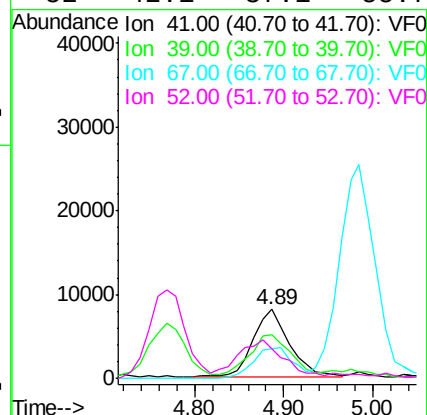
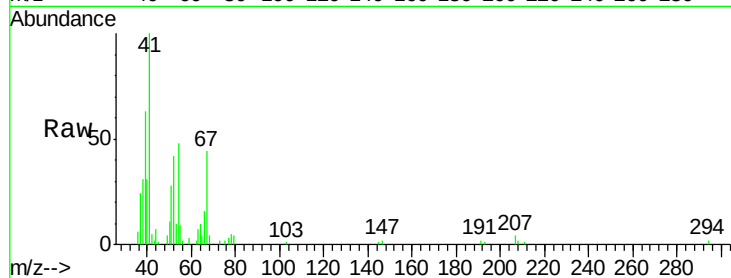
#41
Methacrylonitrile
Concen: 18.441 ug/l
RT: 4.89 min Scan# 442
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.1	50.0	75.0
67	43.6	37.0	55.6
52	42.1	37.1	55.7

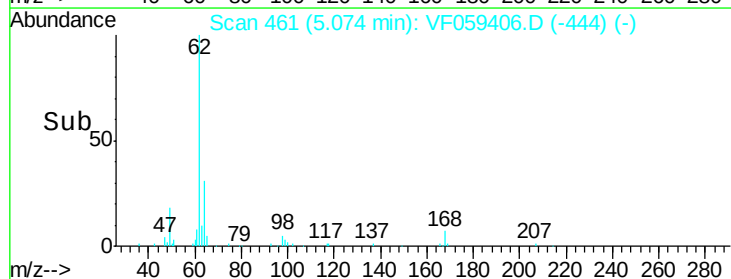
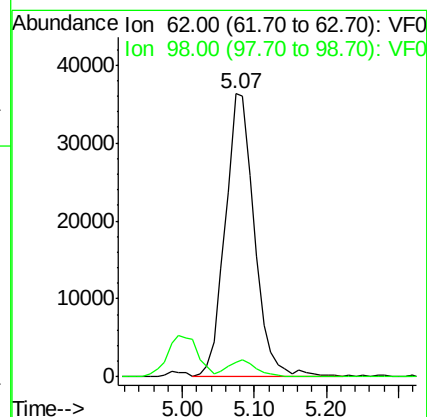
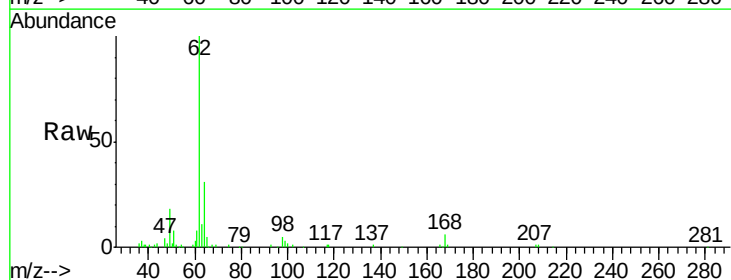
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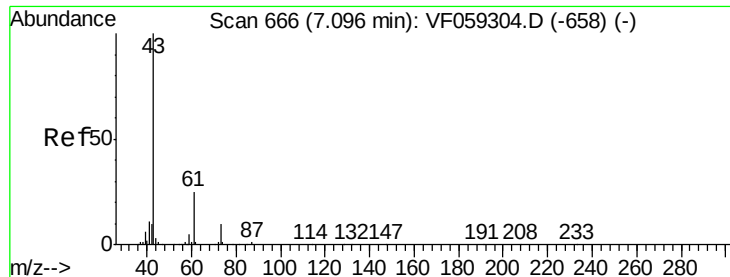
apatel
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#42
1,2-Dichloroethane
Concen: 21.863 ug/l
RT: 5.07 min Scan# 461
Delta R.T. -0.03 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	11.4





#43

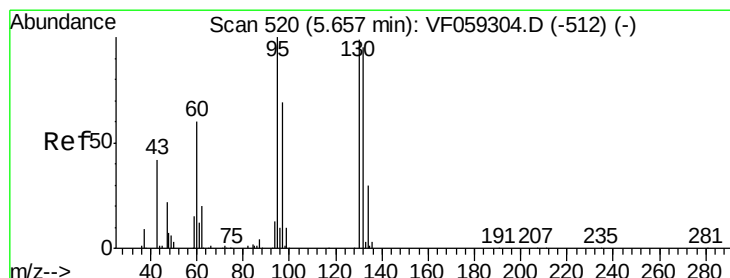
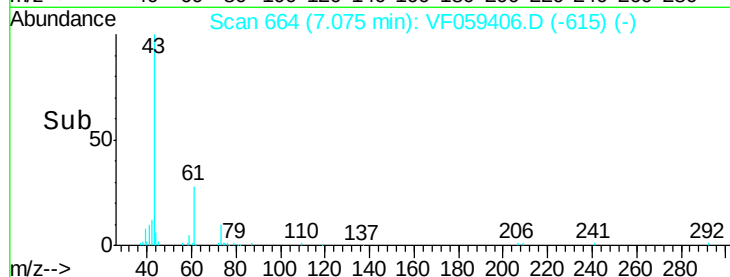
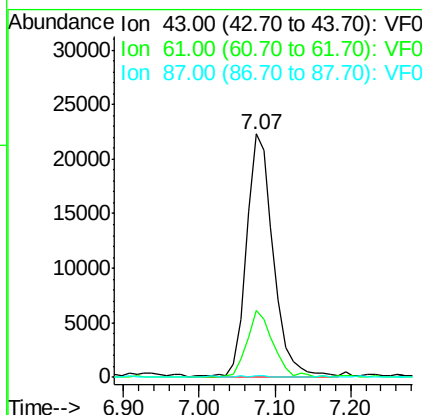
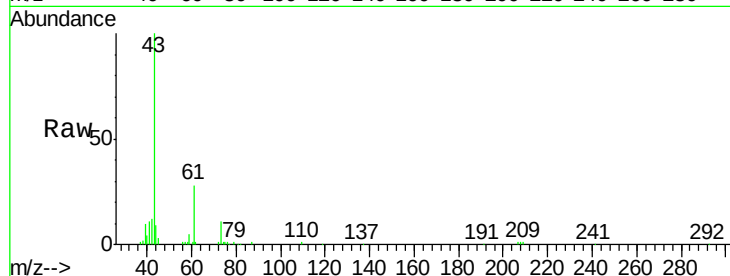
Isopropyl Acetate
 Concen: 18.374 ug/l
 RT: 7.07 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	19.7	29.5
87	0.7	0.5	0.7

Manual Integrations
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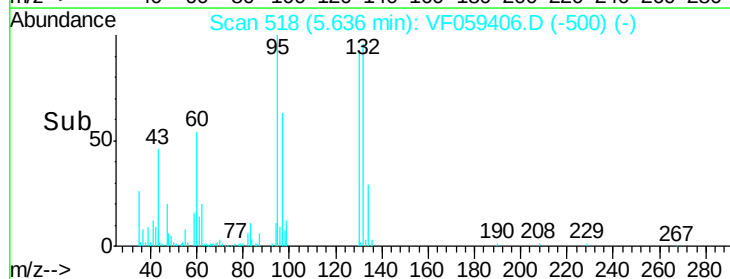
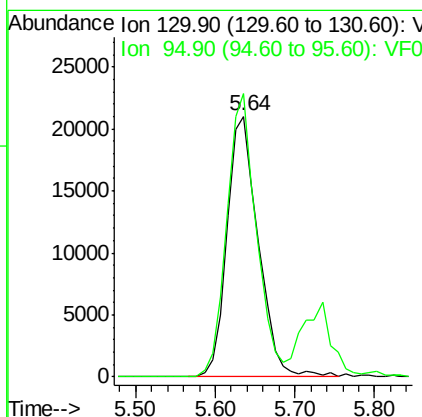
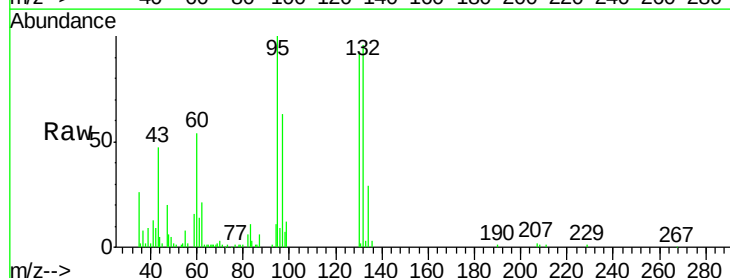
apatel
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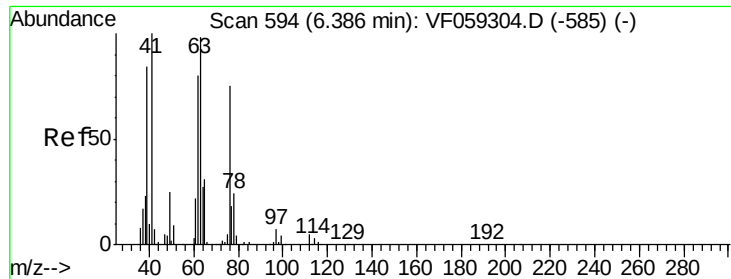


#44

Trichloroethene
 Concen: 21.000 ug/l
 RT: 5.64 min Scan# 518
 Delta R.T. -0.02 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	202.4





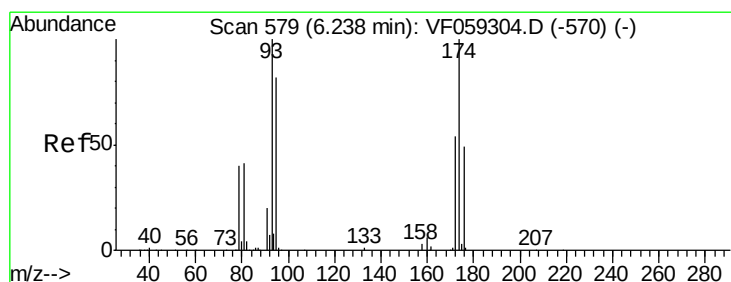
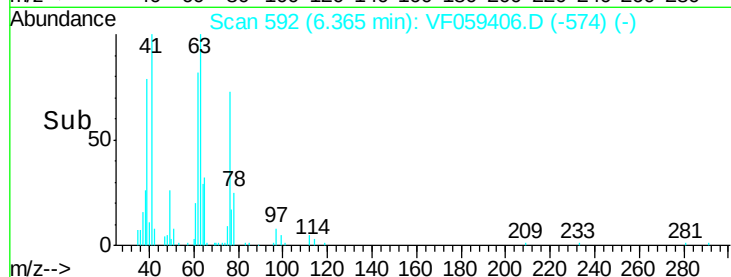
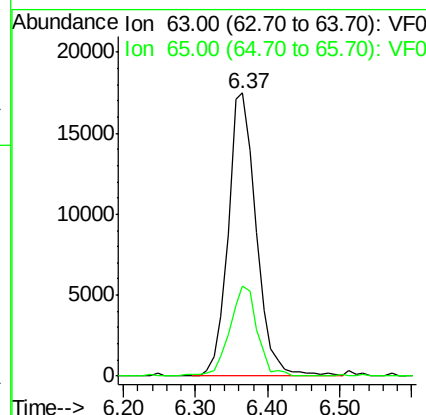
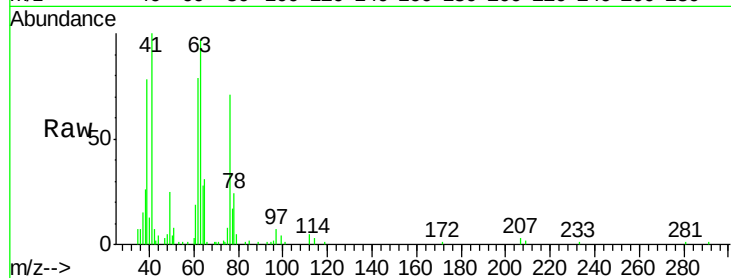
#45
 1,2-Dichloropropane
 Concen: 20.677 ug/l
 RT: 6.37 min Scan# 592
 Delta R.T. -0.02 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.3	37.9

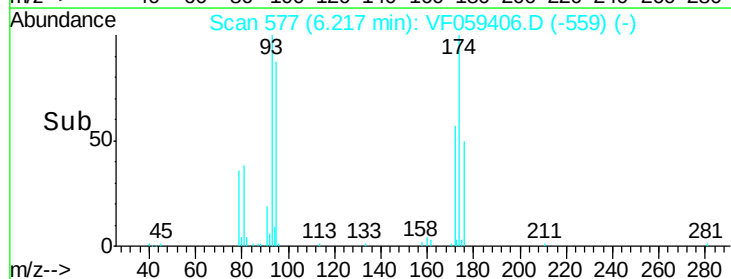
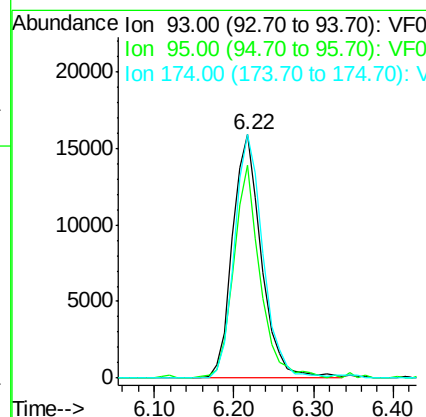
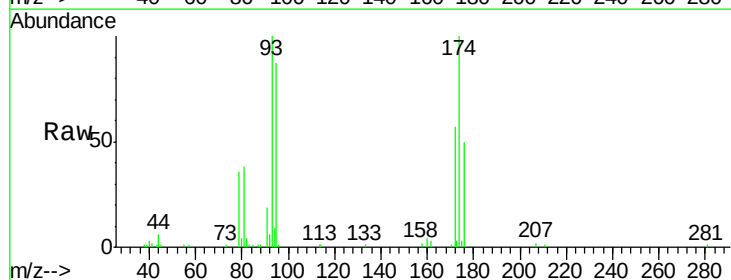
Manual Integrations
 APPROVED

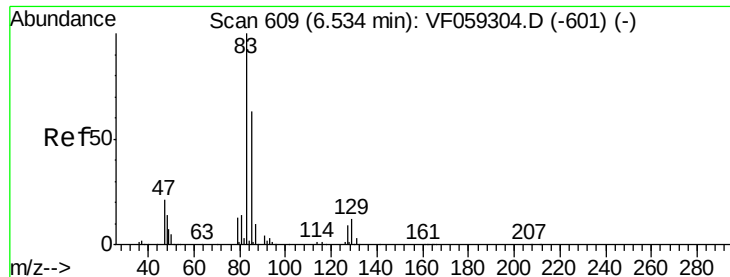
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#46
 Dibromomethane
 Concen: 20.464 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. -0.02 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.5	65.6	98.4
174	99.8	80.0	120.0





#47

Bromodichloromethane

Concen: 21.719 ug/l

RT: 6.51 min Scan# 607

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

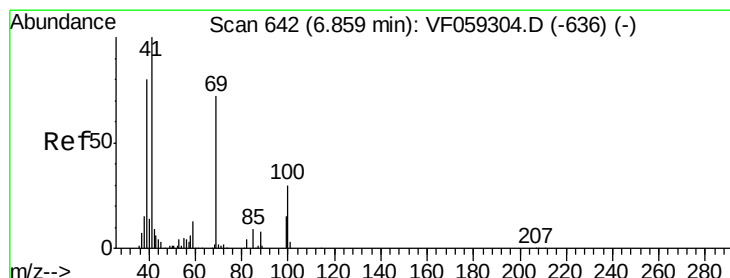
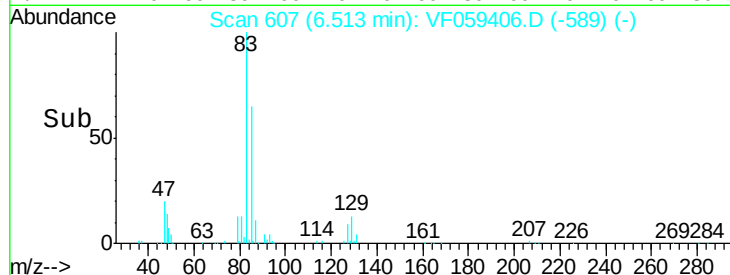
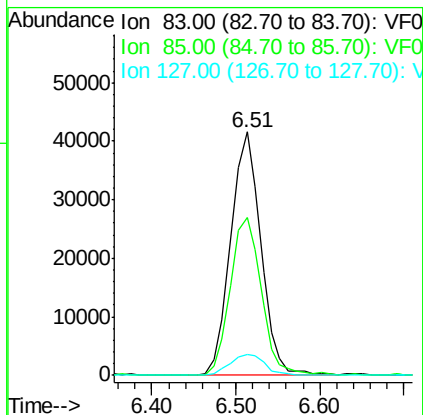
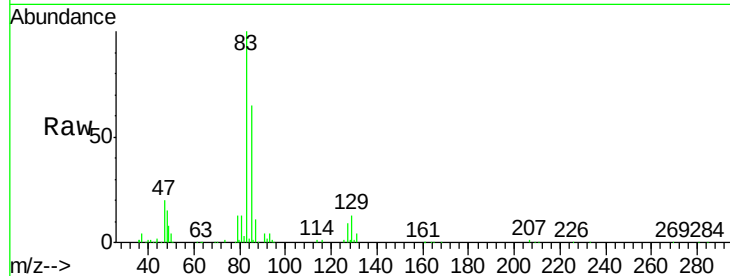
ClientSampleId :

VF0703SBS01

Tot Ion:	83	Resp:	104308
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.2
127	8.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.131 ug/l

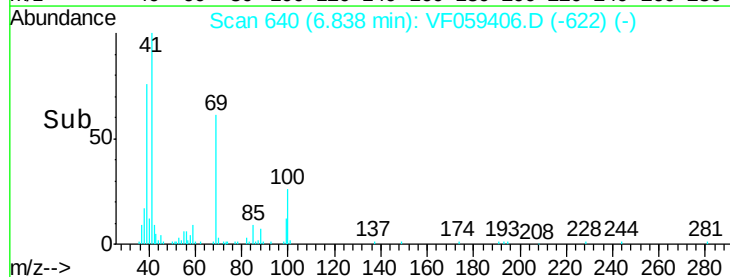
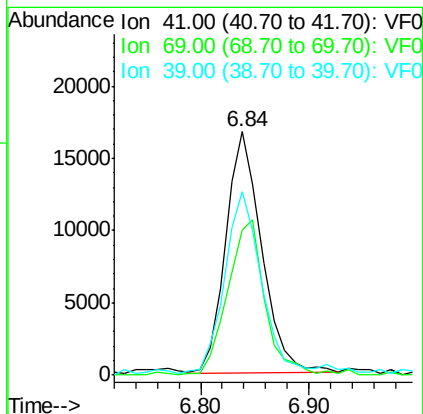
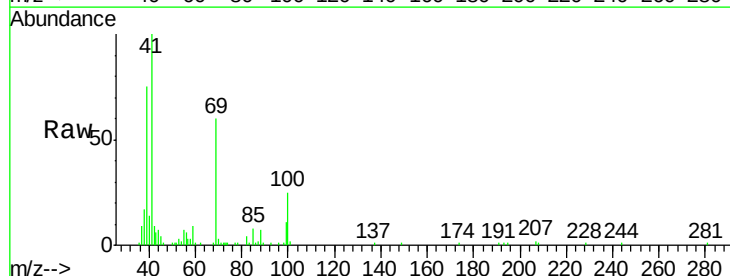
RT: 6.84 min Scan# 640

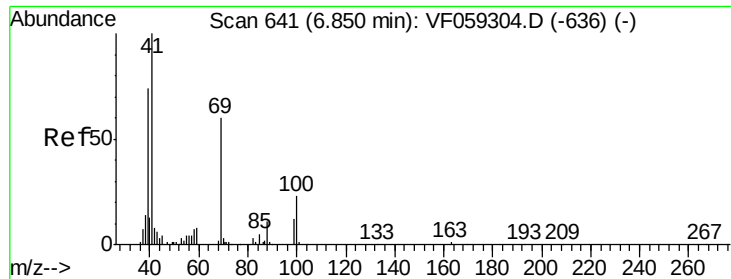
Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	41	Resp:	38537
Ion	Ratio	Lower	Upper
41	100		
69	59.6	57.3	85.9
39	75.4	64.4	96.6





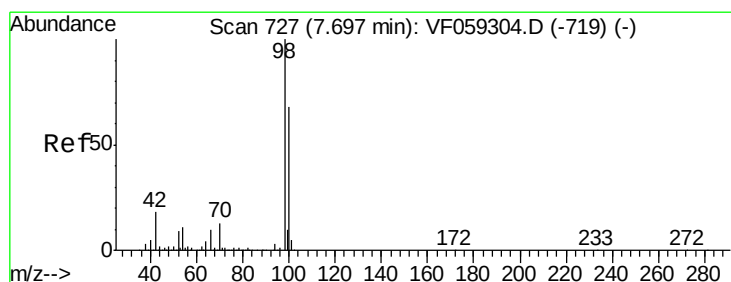
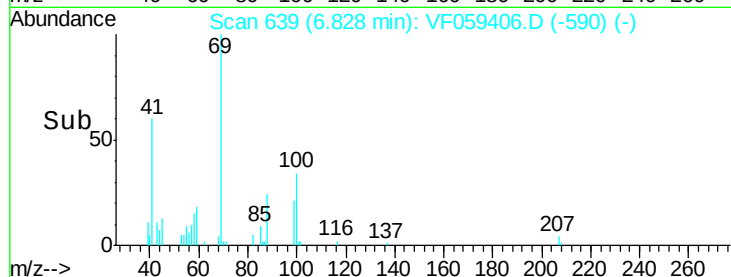
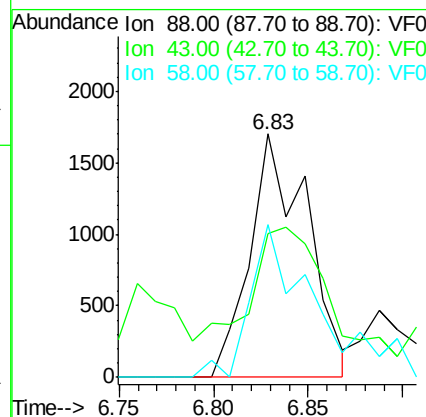
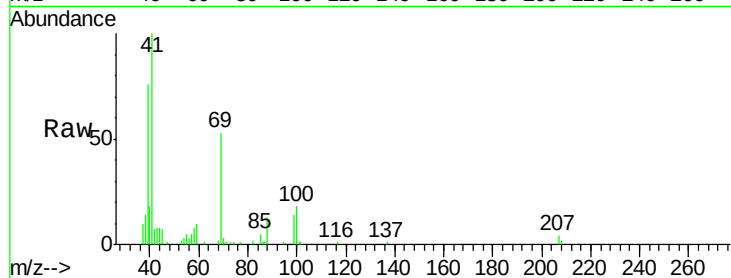
#49
1,4-Dioxane
Concen: 303.542 ug/l
RT: 6.83 min Scan# 639
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	59.2	50.6	75.8
58	62.8	46.6	69.8

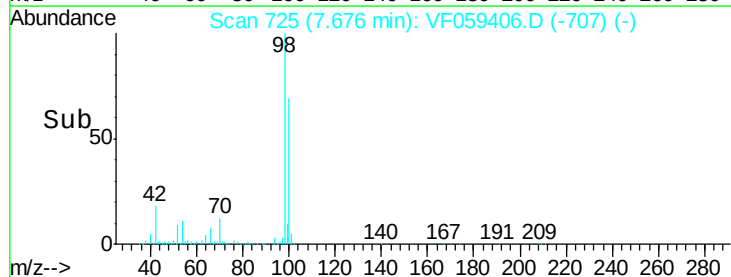
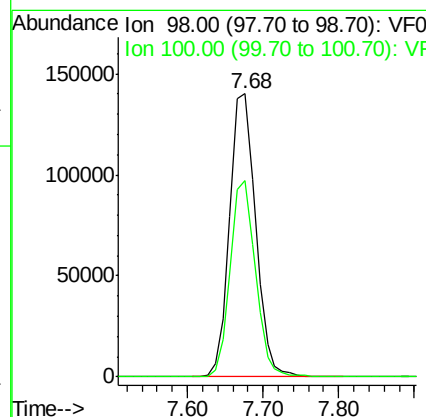
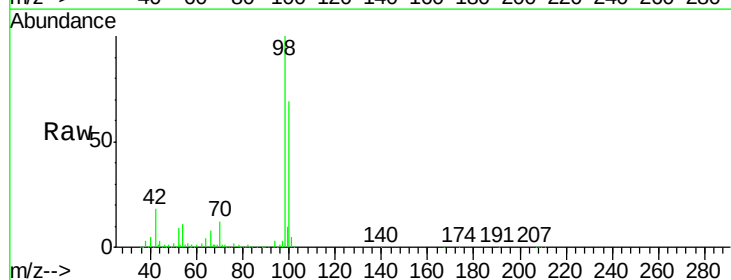
Manual Integrations
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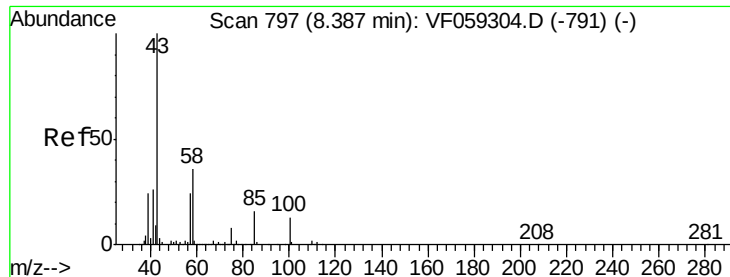
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#50
Toluene-d8
Concen: 44.858 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 99.861 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 43 Resp: 222361

Ion Ratio Lower Upper

43 100

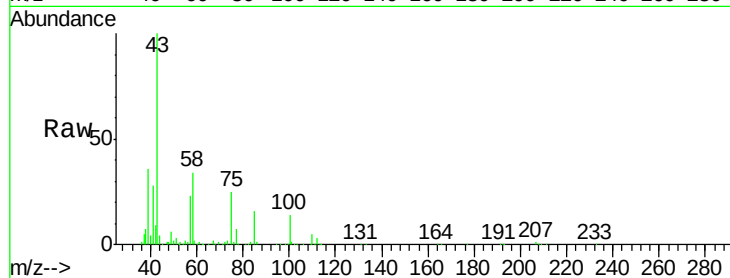
58 34.2 28.4 42.6

Manual Integrations

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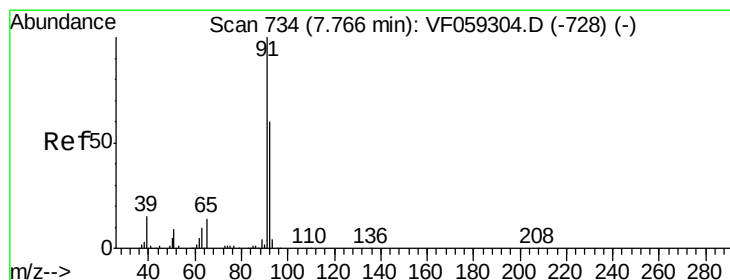
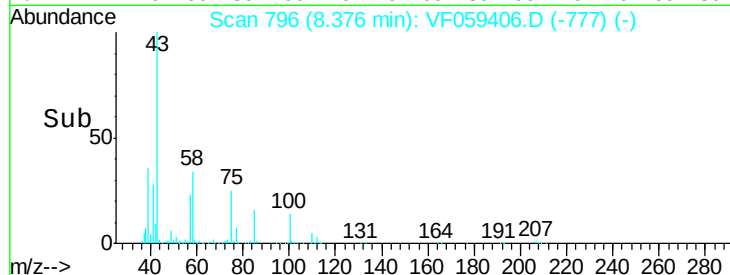
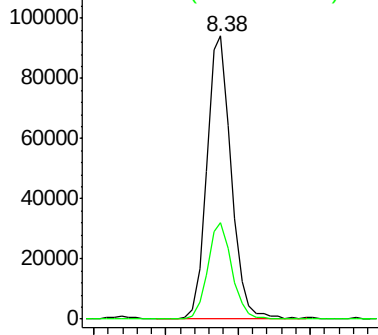
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.672 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.02 min

Lab File: VF059406.D

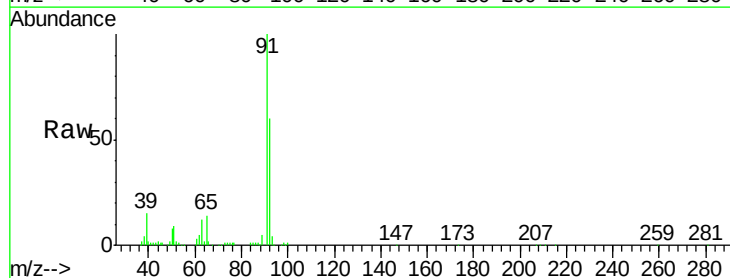
Acq: 3 Jul 2018 12:23

Tgt Ion: 92 Resp: 123755

Ion Ratio Lower Upper

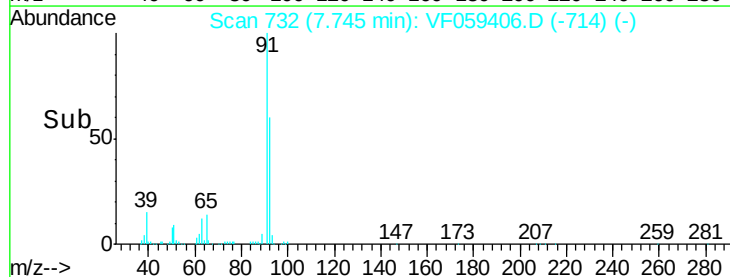
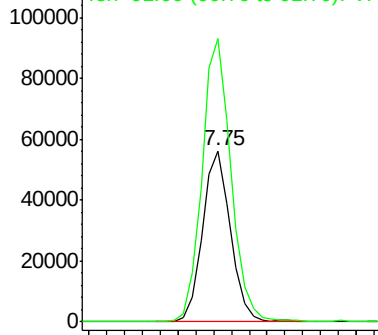
92 100

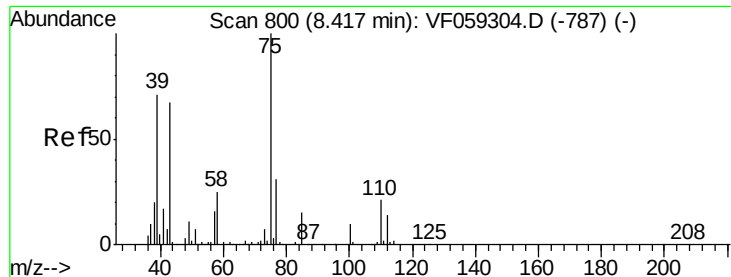
91 165.6 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 21.357 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 75 Resp: 93494

Ion Ratio Lower Upper

75 100

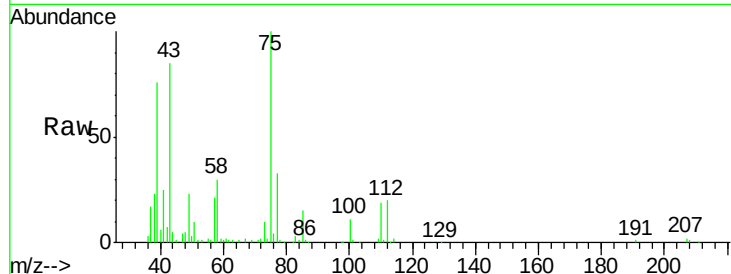
77 33.0 25.3 37.9

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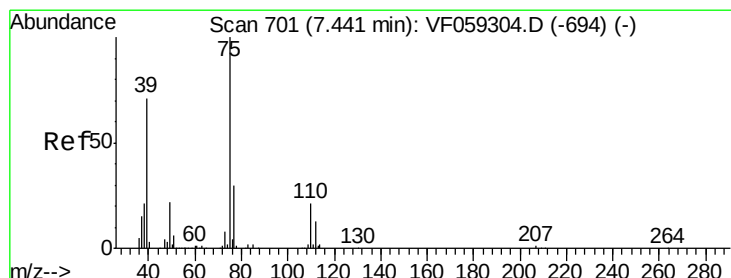
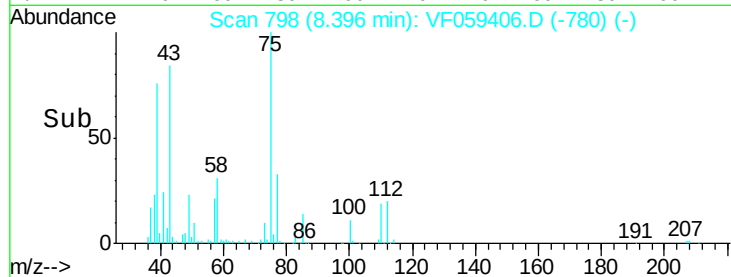
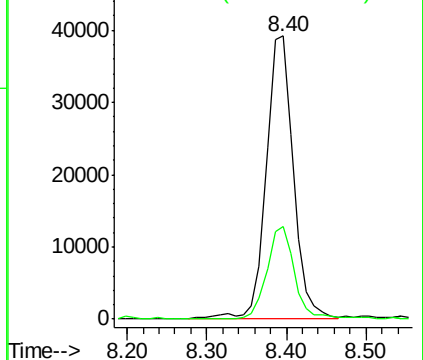
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.191 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

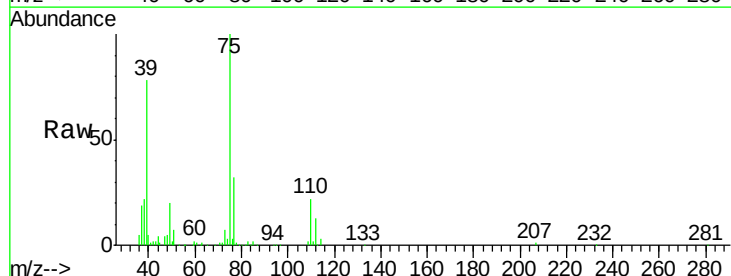
Tgt Ion: 75 Resp: 96010

Ion Ratio Lower Upper

75 100

77 31.9 24.3 36.5

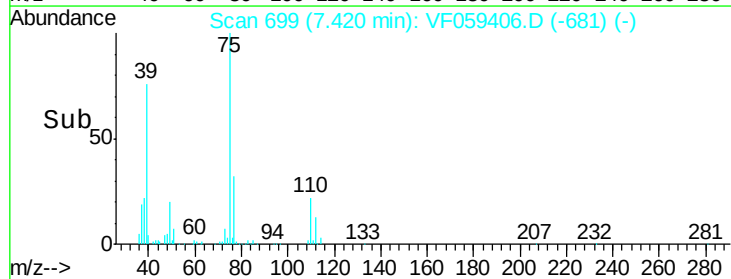
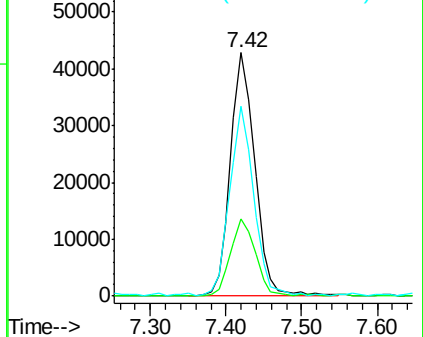
39 77.9 57.2 85.8

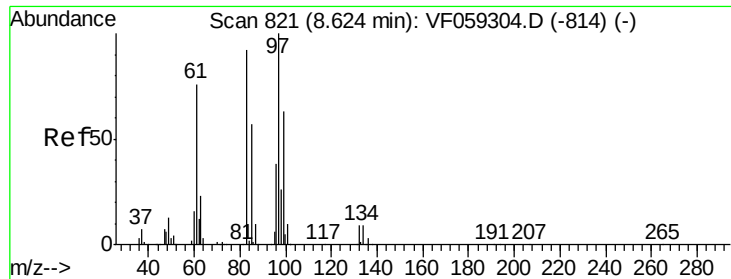


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 20.782 ug/l

RT: 8.60 min Scan# 819

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

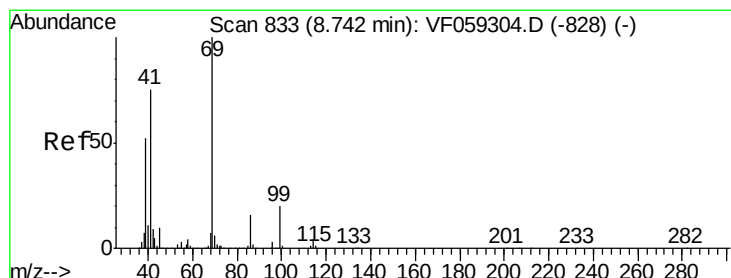
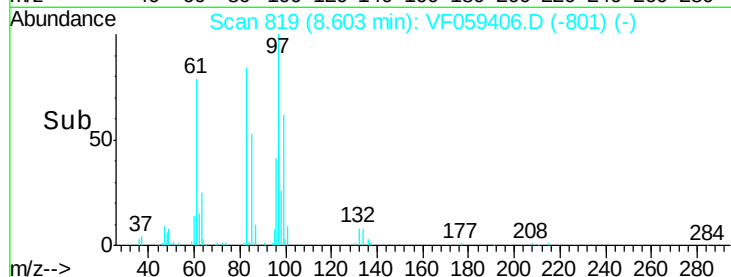
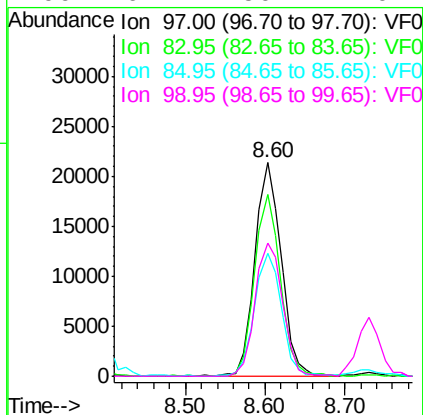
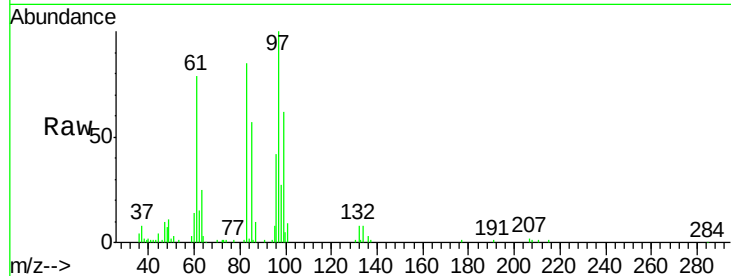
ClientSampleId :

VF0703SBS01

Tot Ion:	97	Resp:	48306
Ion	Ratio	Lower	Upper
97	100		
83	84.8	73.8	110.8
85	57.4	45.5	68.3
99	62.1	50.7	76.1

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#56

Ethyl methacrylate

Concen: 18.220 ug/l

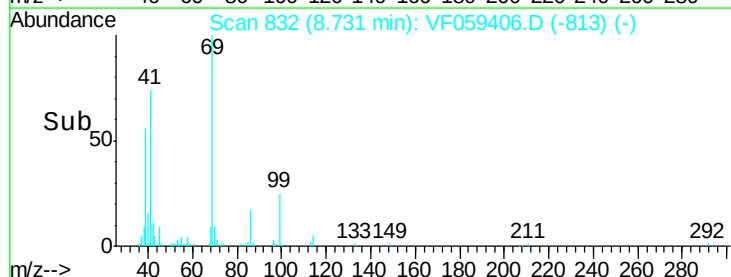
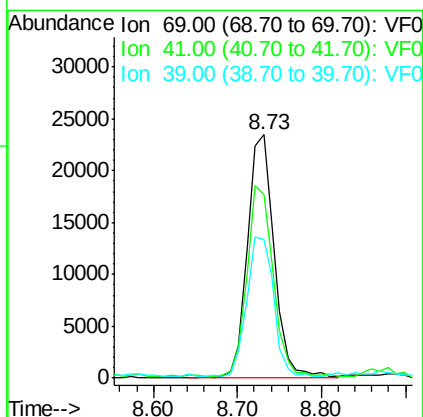
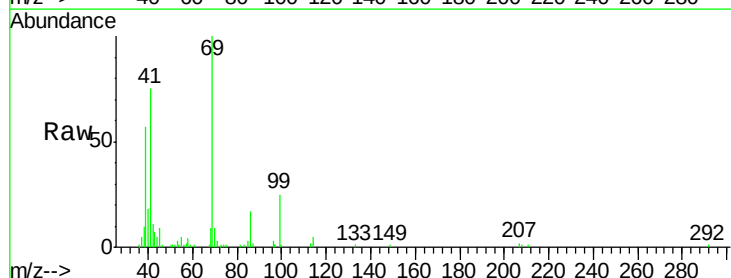
RT: 8.73 min Scan# 832

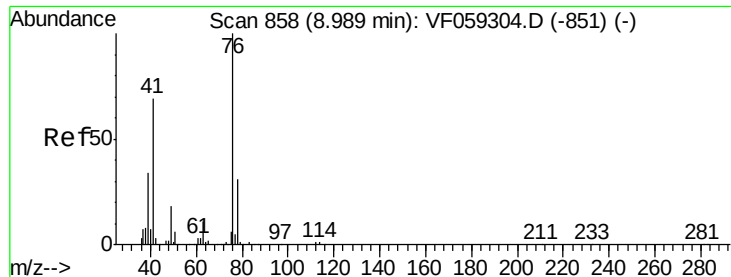
Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	69	Resp:	52462
Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.3	90.5
39	57.1	42.2	63.4





#57

1,3-Dichloropropane

Concen: 19.991 ug/l

RT: 8.97 min Scan# 856

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 76 Resp: 79695

Ion Ratio Lower Upper

76 100

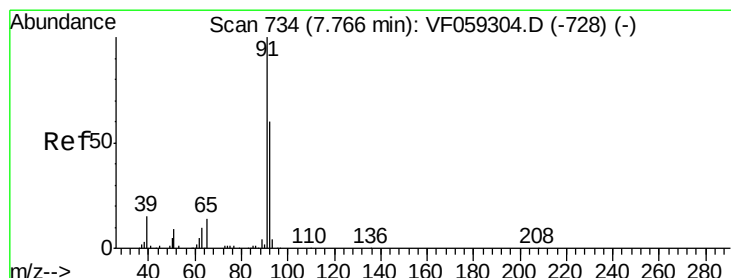
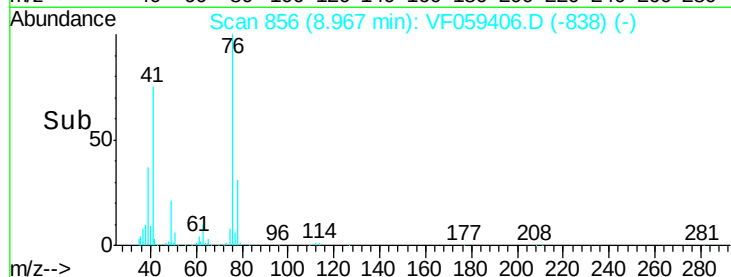
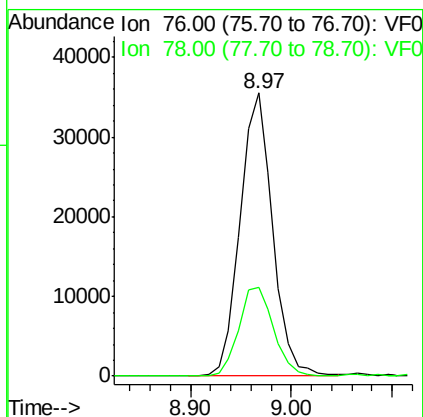
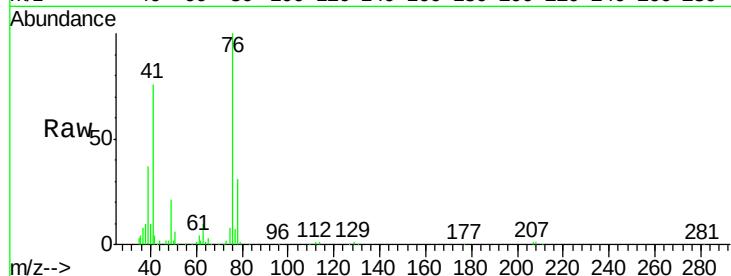
78 31.4 24.9 37.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 112.538 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.02 min

Lab File: VF059406.D

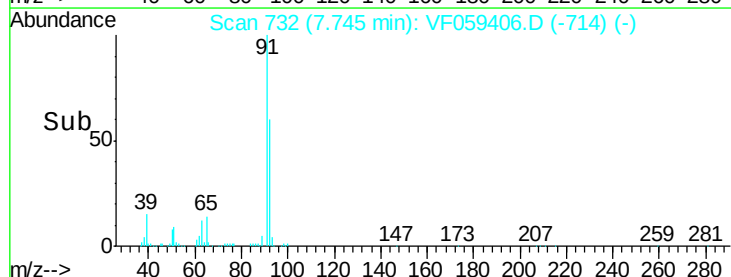
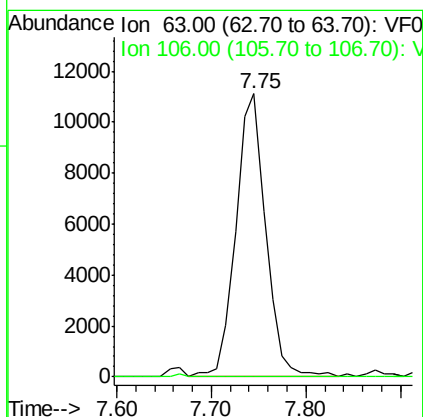
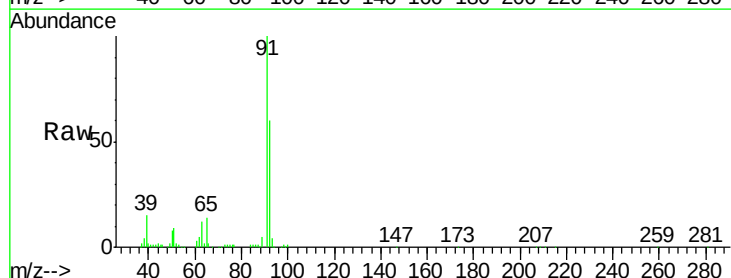
Acq: 3 Jul 2018 12:23

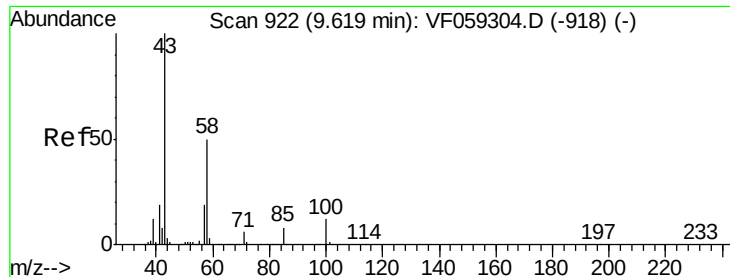
Tgt Ion: 63 Resp: 24303

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





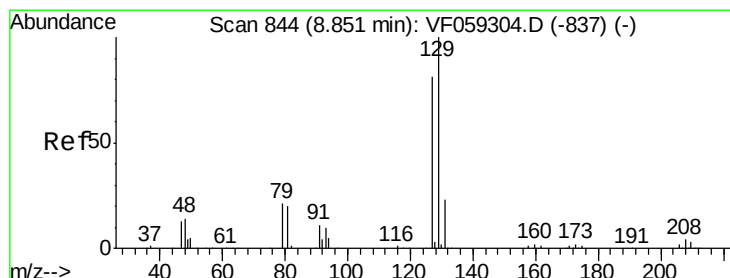
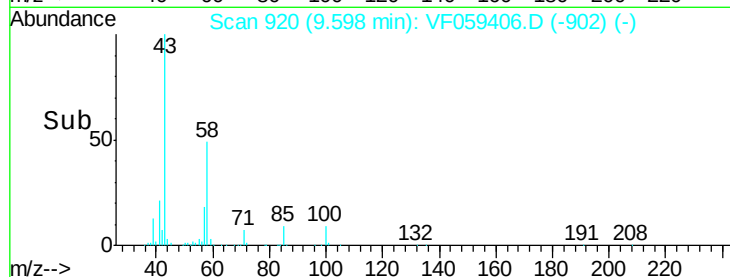
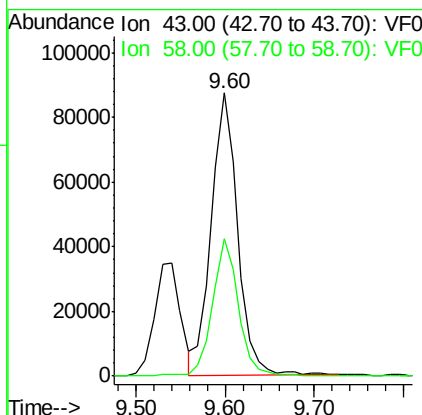
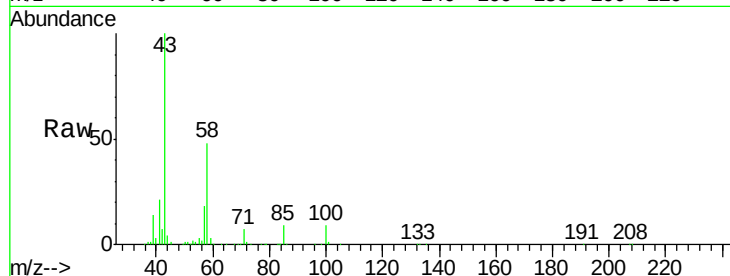
#59
2-Hexanone
Concen: 97.027 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	23.3	69.9

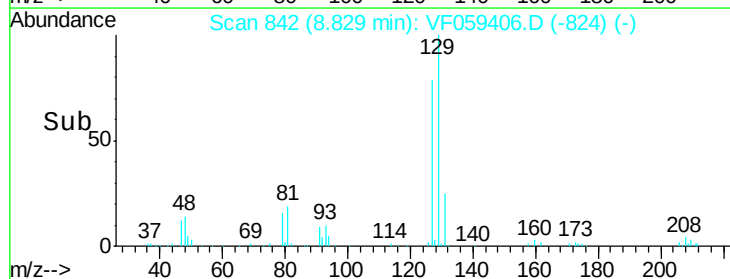
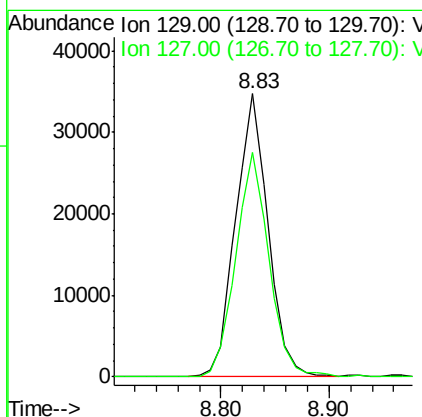
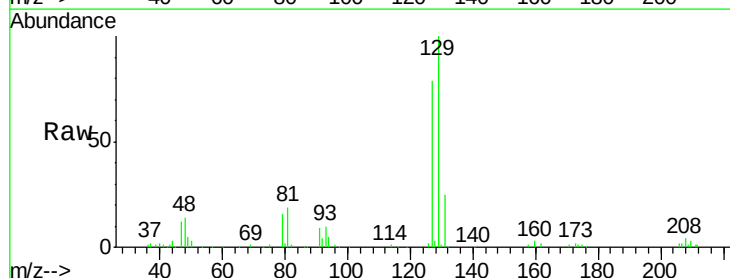
Manual Integrations
APPROVED

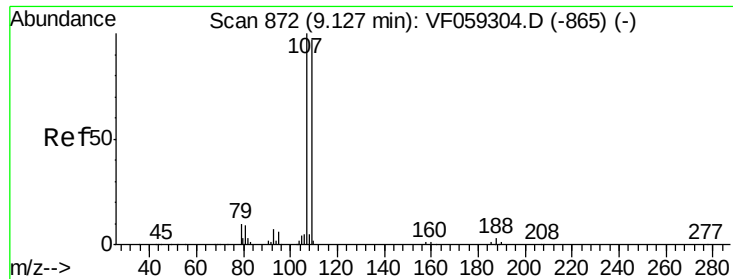
apatel
7/5/2018 12:41:22 PM



#60
Dibromochloromethane
Concen: 20.159 ug/l
RT: 8.83 min Scan# 842
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	40.7	122.1





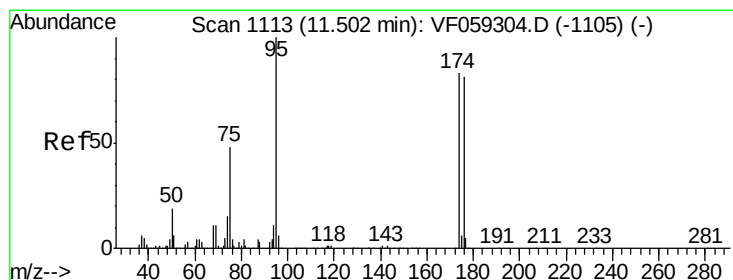
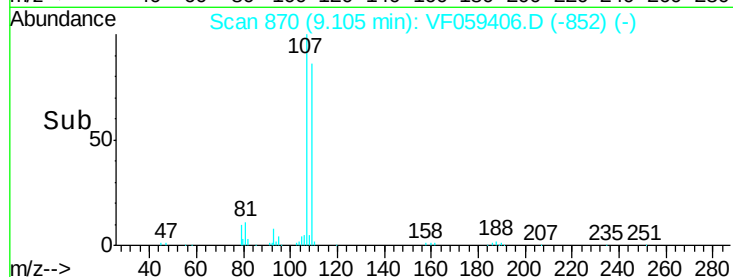
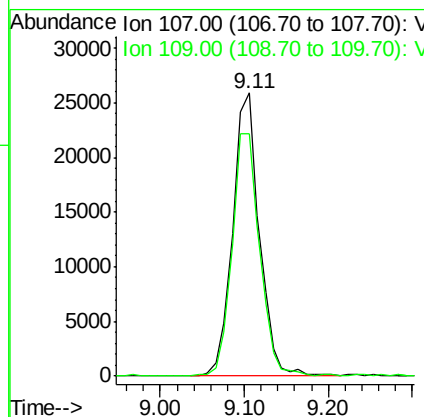
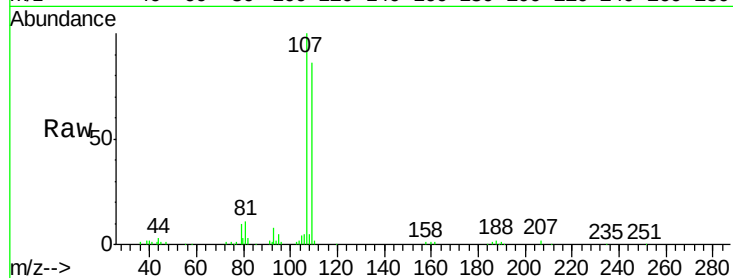
#61
 1,2-Dibromoethane
 Concen: 20.278 ug/l
 RT: 9.11 min Scan# 870
 Delta R.T. -0.02 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	85.8	77.3	115.9

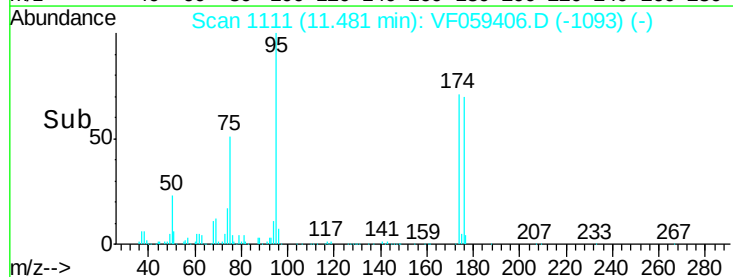
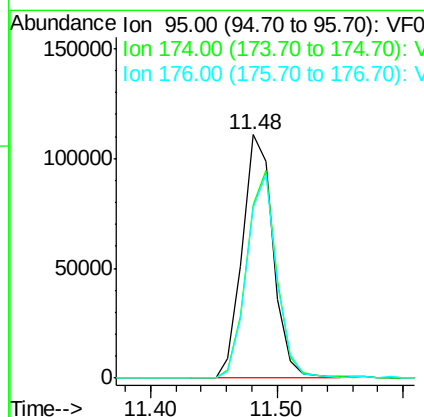
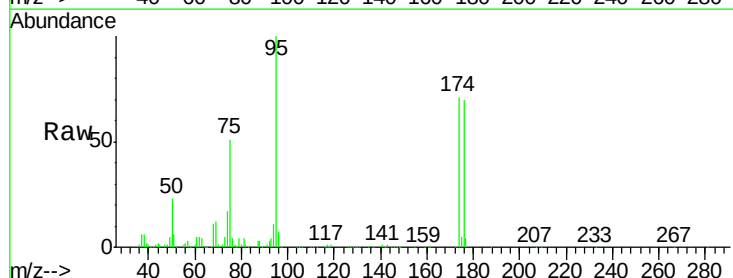
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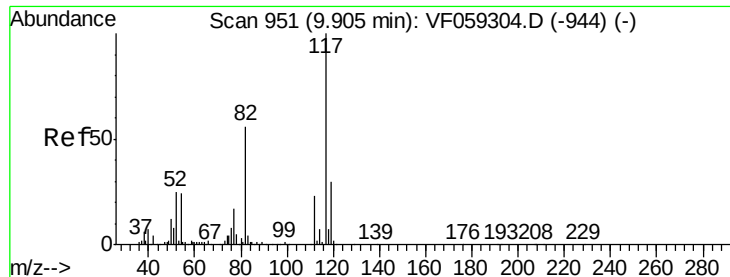
apatel
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#62
 4-Bromofluorobenzene
 Concen: 44.673 ug/l
 RT: 11.48 min Scan# 1111
 Delta R.T. -0.02 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	165.2
176	70.2	0.0	161.0





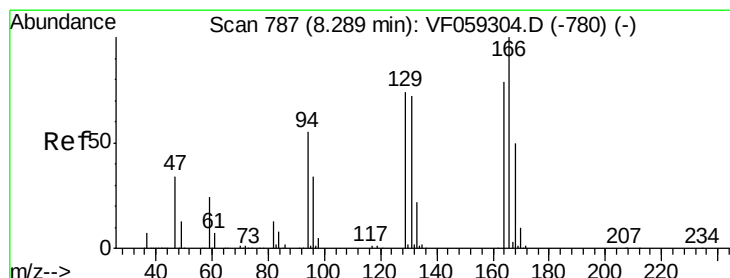
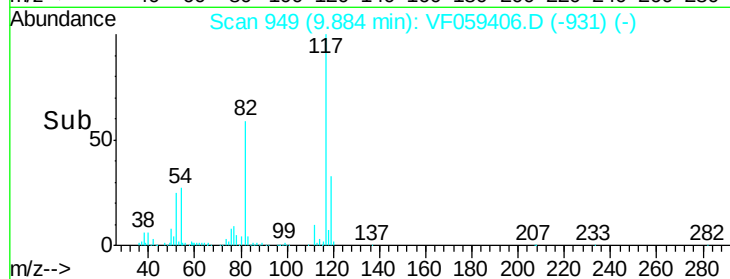
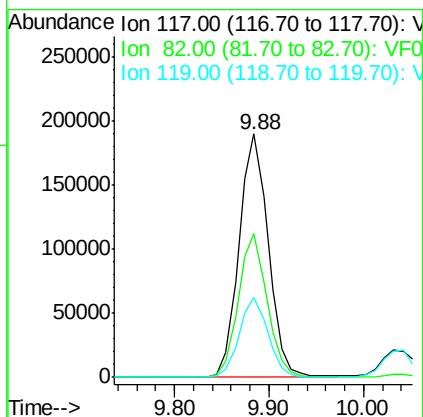
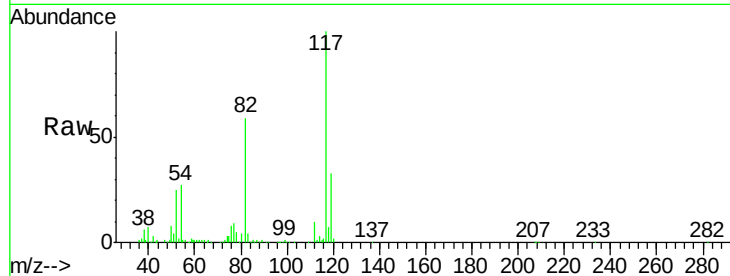
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	408265		
82	58.9		44.6	66.8
119	32.8		24.1	36.1

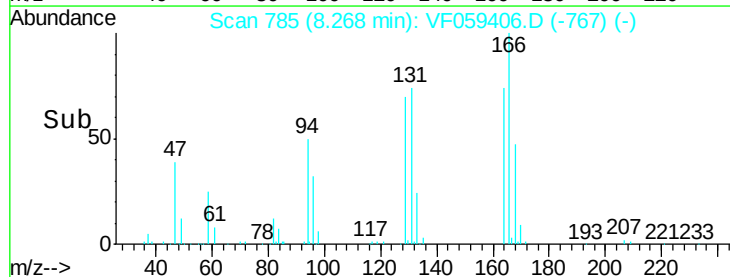
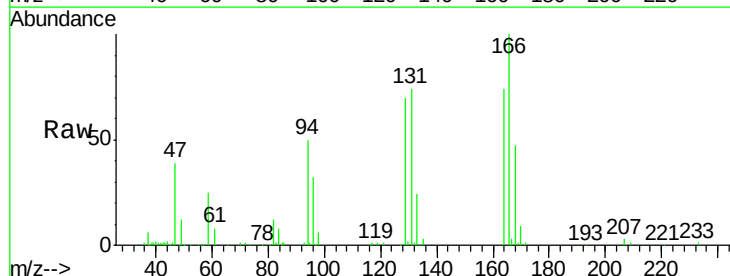
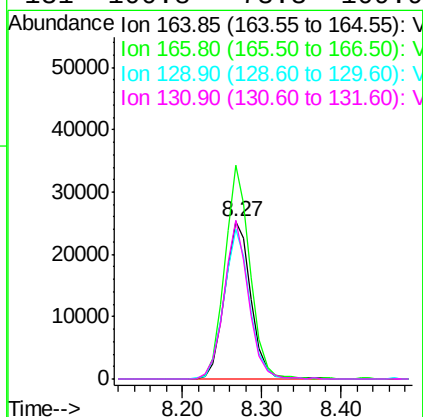
Manual Integrations
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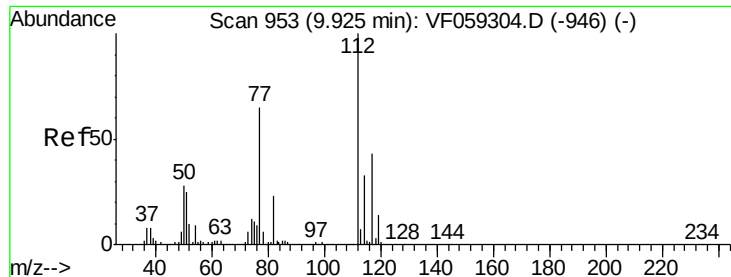
apatel
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#64
Tetrachloroethene
Concen: 22.032 ug/l
RT: 8.27 min Scan# 785
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58340		
166	135.8		101.1	151.7
129	95.1		75.0	112.4
131	100.8		73.3	109.9





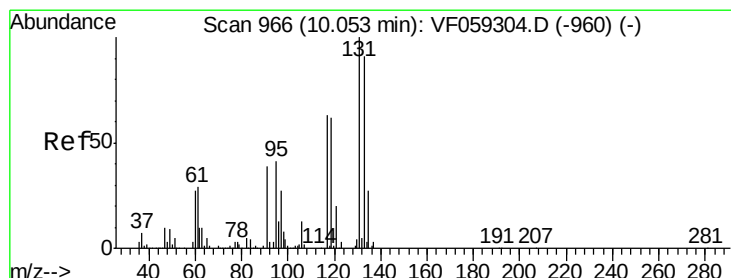
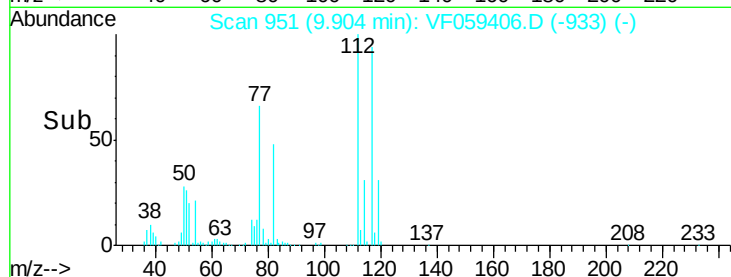
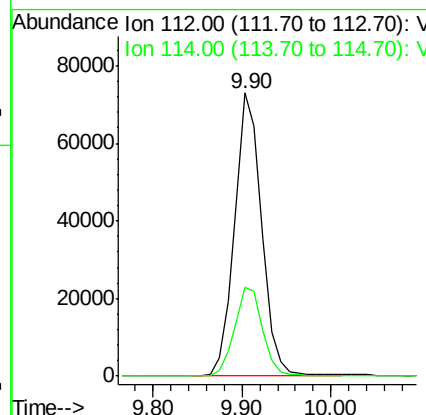
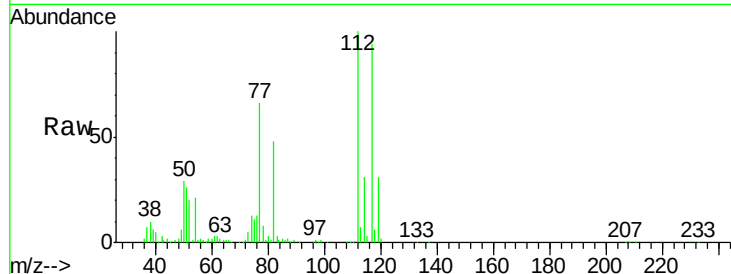
#65
Chlorobenzene
Concen: 20.688 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.5	39.7

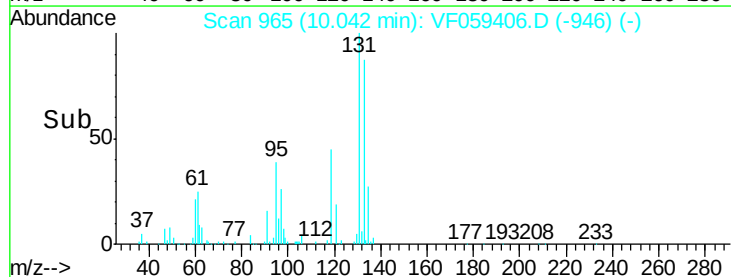
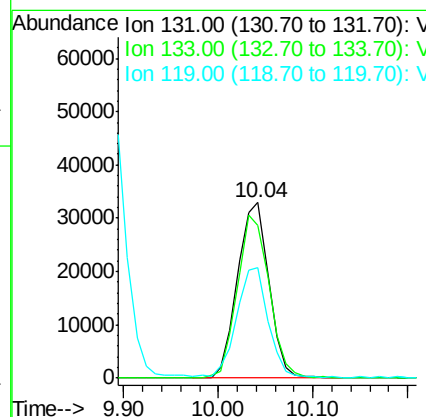
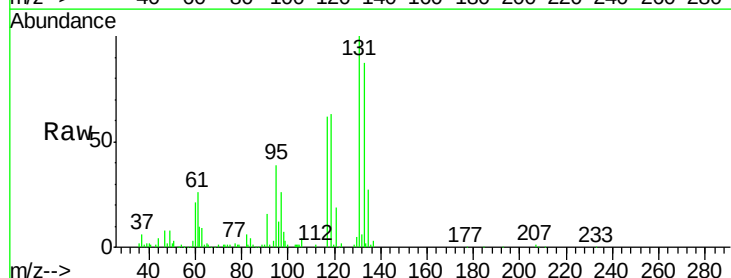
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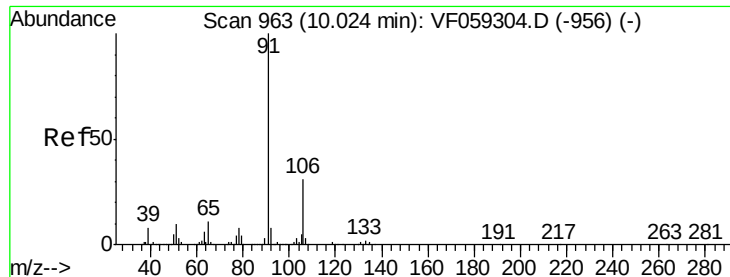
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.048 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	87.0	45.3	135.9
119	63.2	31.3	93.9





#67

Ethyl Benzene

Concen: 22.049 ug/l

RT: 10.00 min Scan# 961

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 91 Resp: 282979

Ion Ratio Lower Upper

91 100

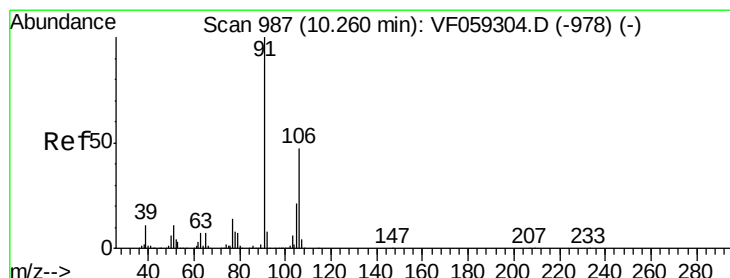
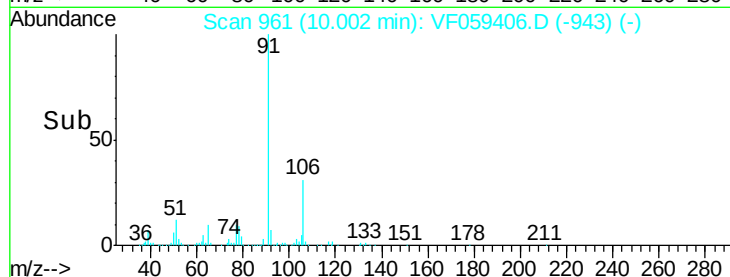
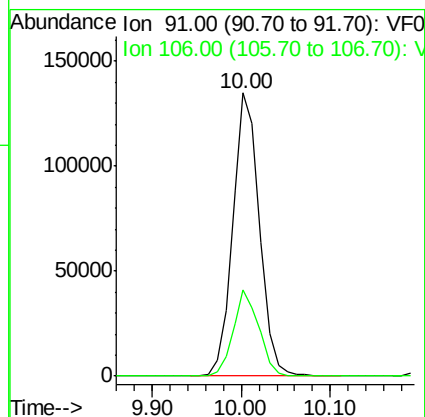
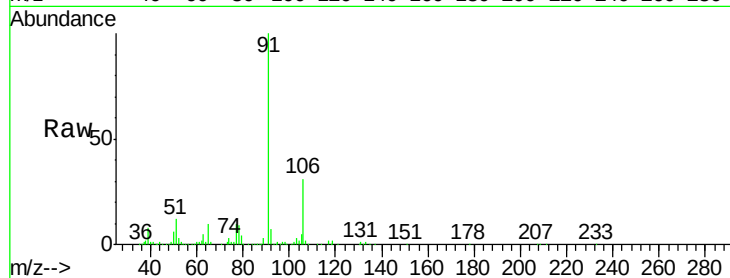
106 30.6 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.406 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF059406.D

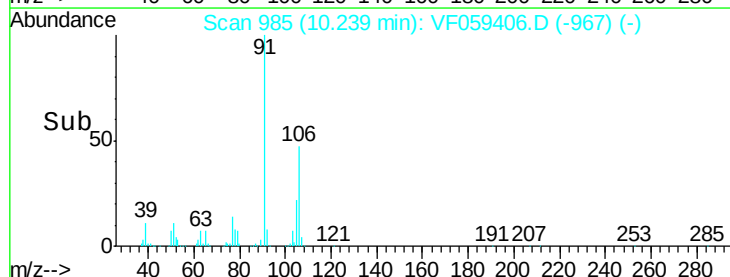
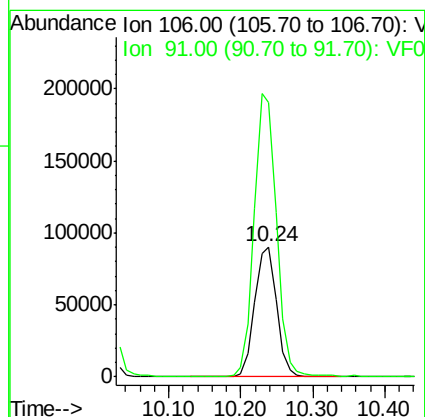
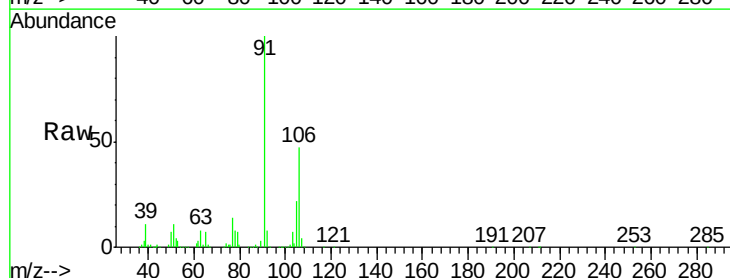
Acq: 3 Jul 2018 12:23

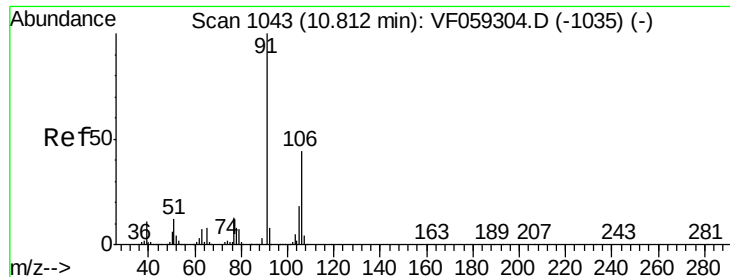
Tgt Ion: 106 Resp: 193708

Ion Ratio Lower Upper

106 100

91 211.7 170.8 256.2





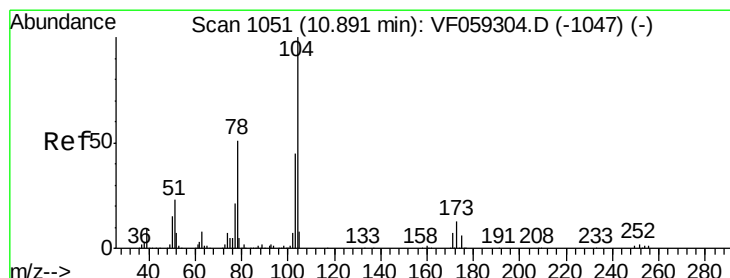
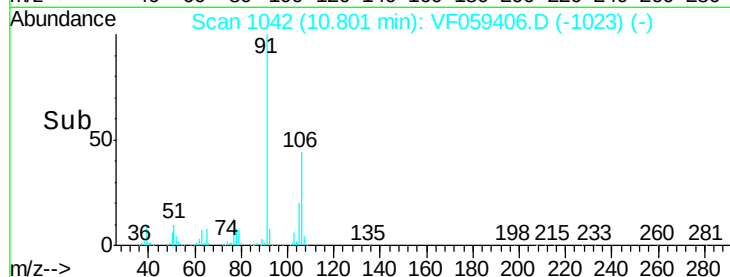
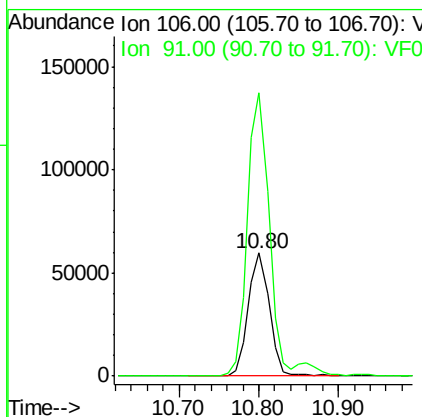
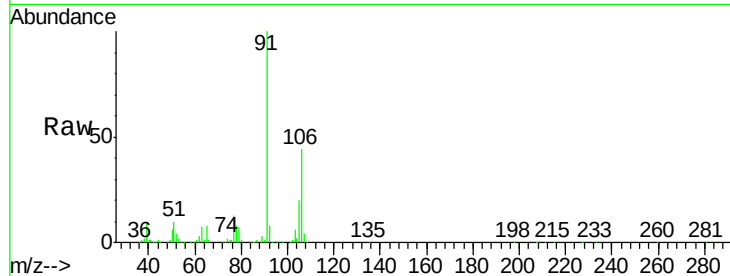
#69
o-Xylene
Concen: 21.285 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	229.5	114.6	343.6

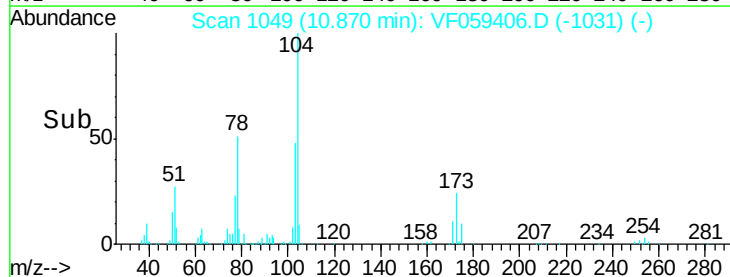
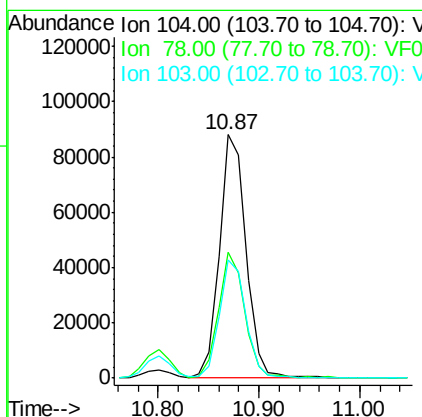
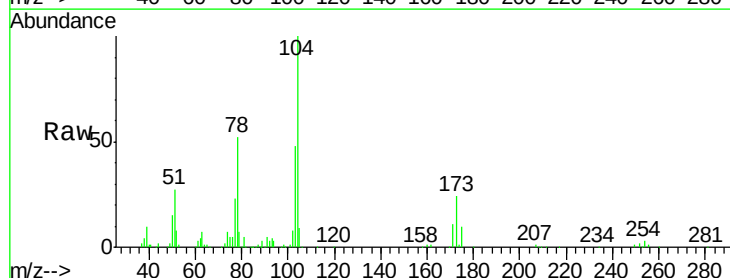
Manual Integrations
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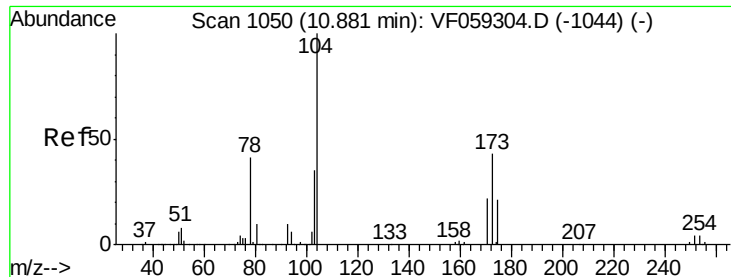
apatel
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#70
Styrene
Concen: 20.736 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.5	40.9	61.3
103	48.3	36.5	54.7





#71

Bromoform

Concen: 21.312 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

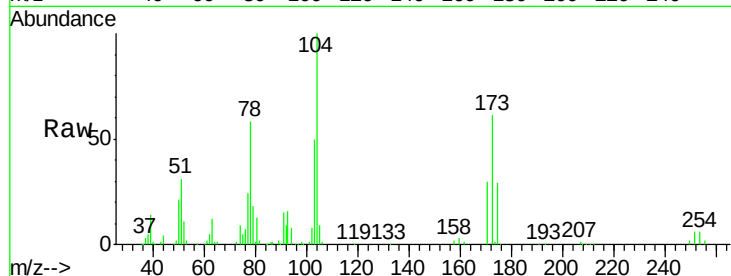
ClientSampleId :

VF0703SBS01

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.0	24.8	74.3	
254	0.0	0.0	0.0	

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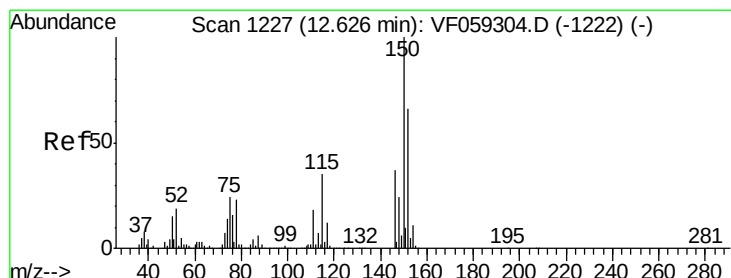
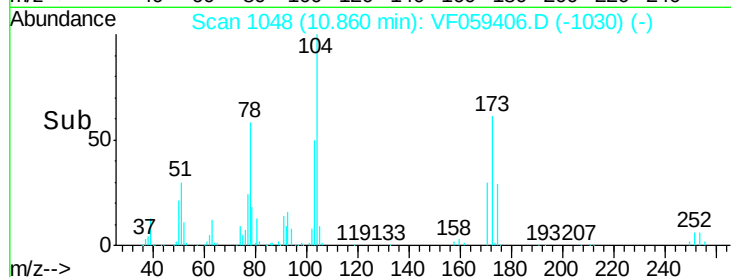
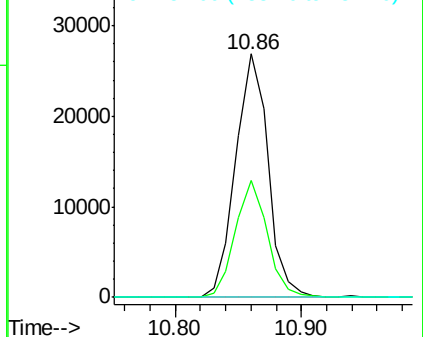
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

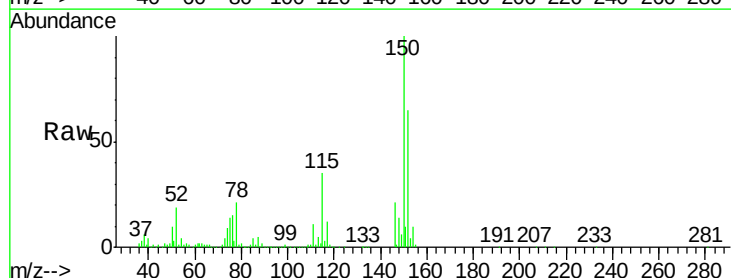
RT: 12.61 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

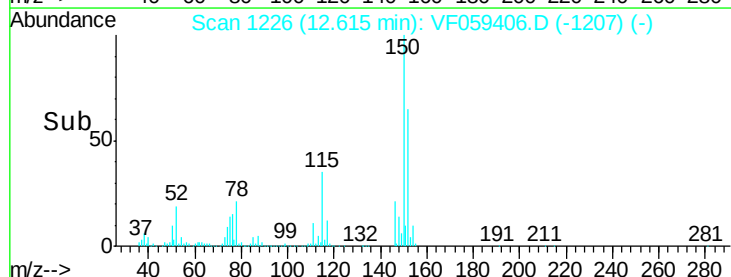
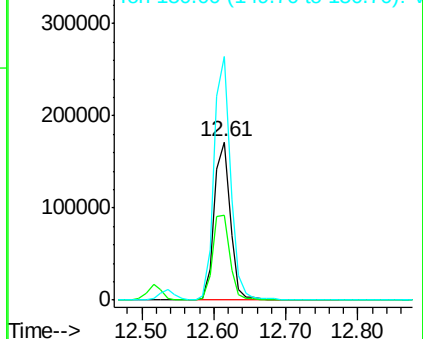
Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	53.8	27.1	81.3	
150	154.0	0.0	305.2	

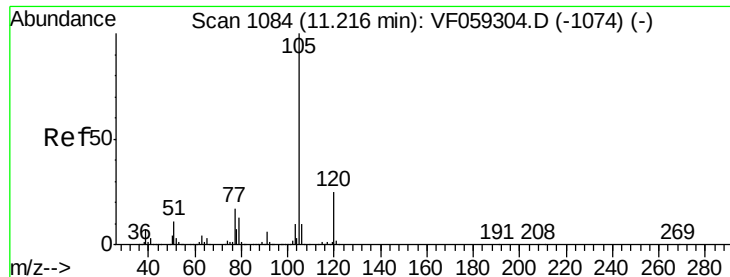


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.397 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion:105 Resp: 325992

Ion Ratio Lower Upper

105 100

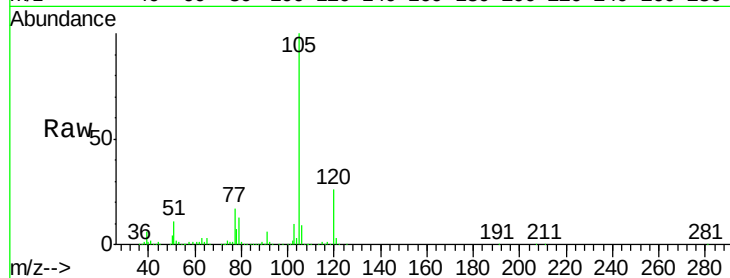
120 25.6 12.3 36.8

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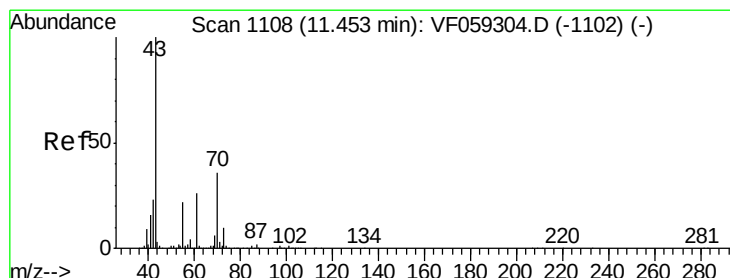
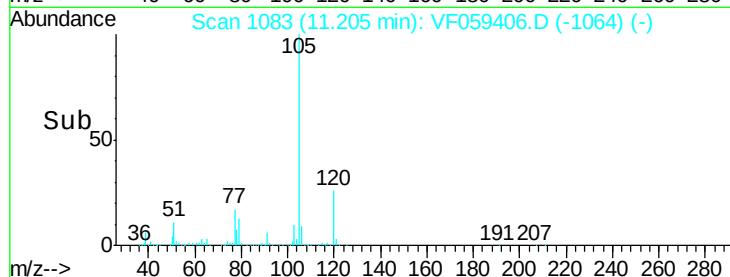
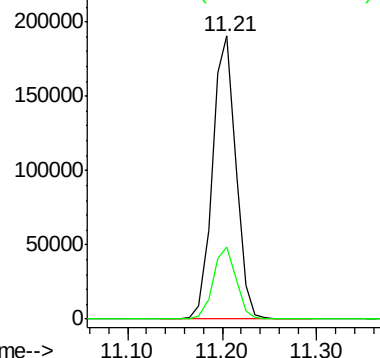
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.748 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion: 43 Resp: 109186

Ion Ratio Lower Upper

43 100

70 41.1 28.8 43.2

55 22.4 17.4 26.0

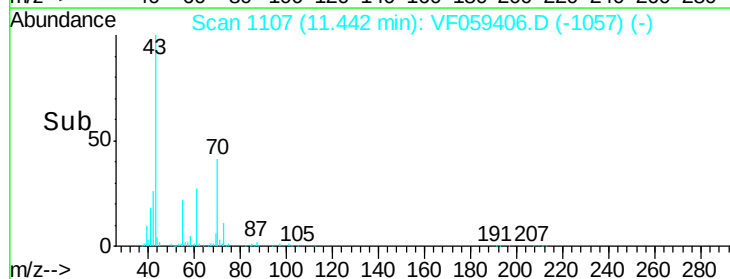
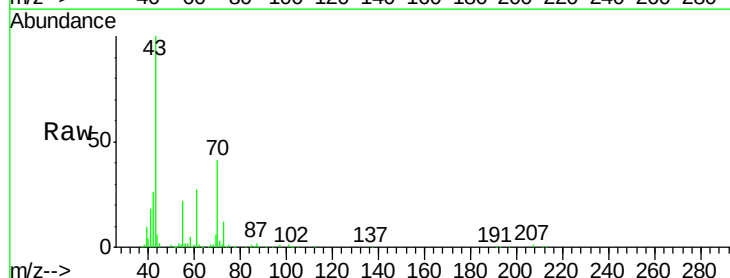
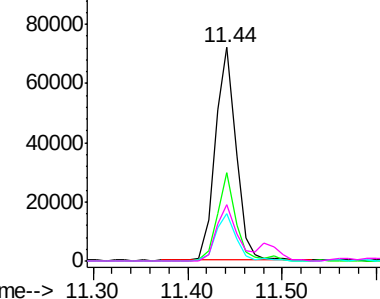
61 26.5 21.1 31.7

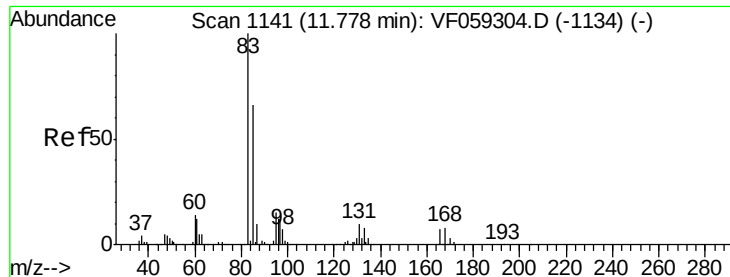
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.970 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

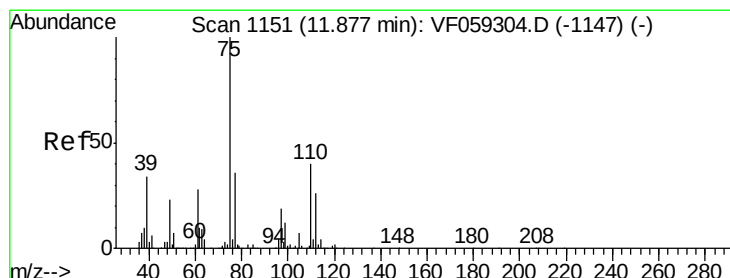
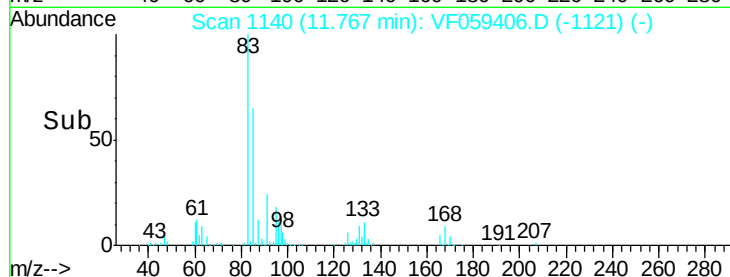
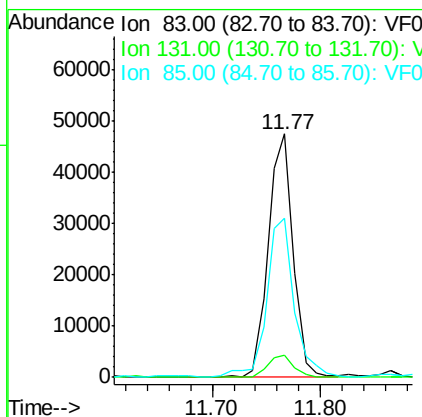
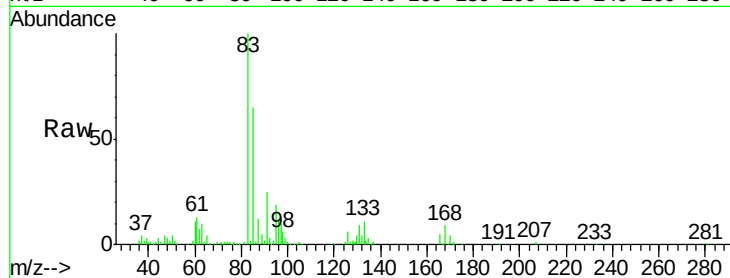
ClientSampleId :

VF0703SBS01

Tot Ion:	83	Resp:	76840
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.6
85	65.1	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.678 ug/l

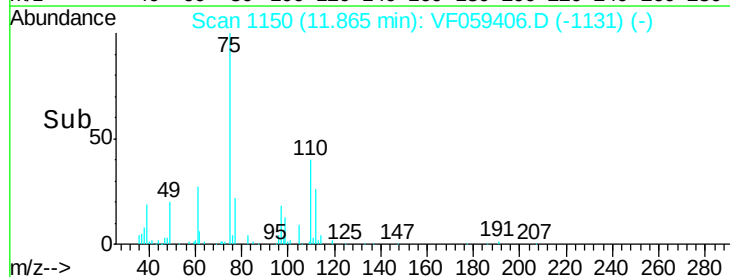
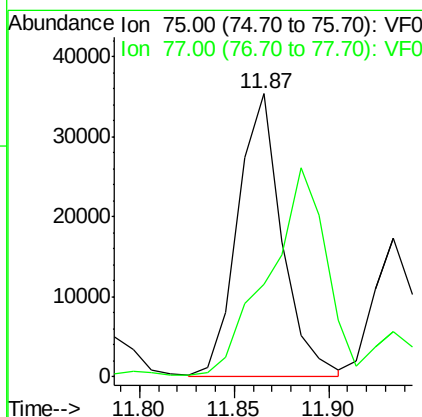
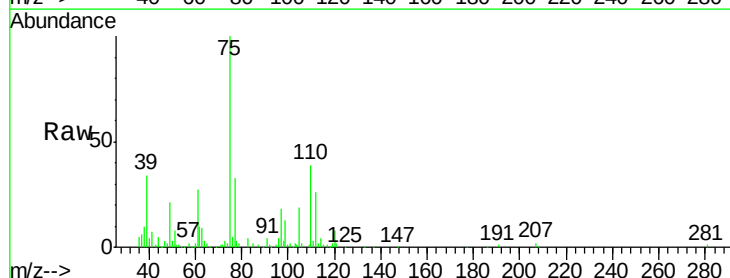
RT: 11.87 min Scan# 1150

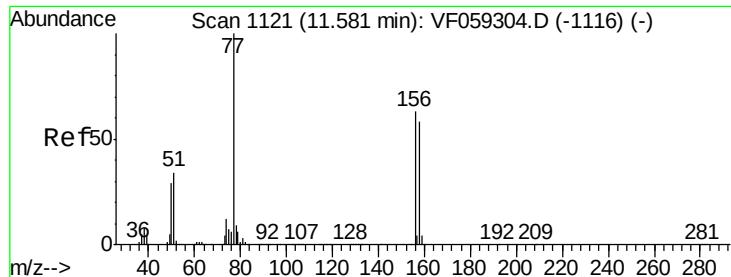
Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	75	Resp:	57116
Ion Ratio	Lower	Upper	
75	100		
77	32.6	18.0	54.0





#77

Bromobenzene

Concen: 21.148 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

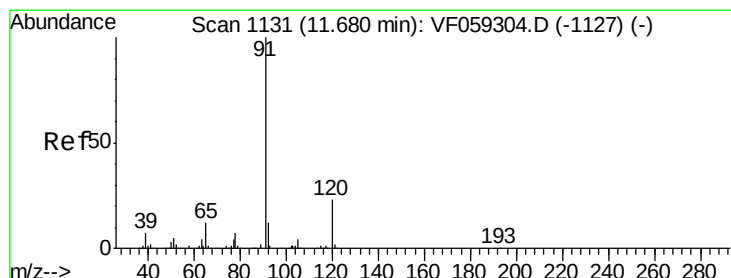
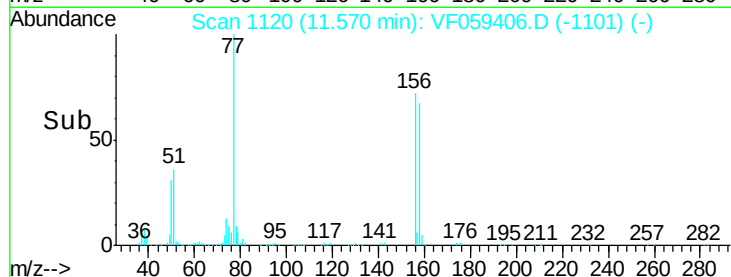
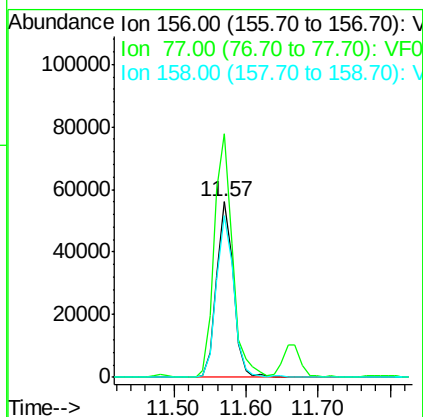
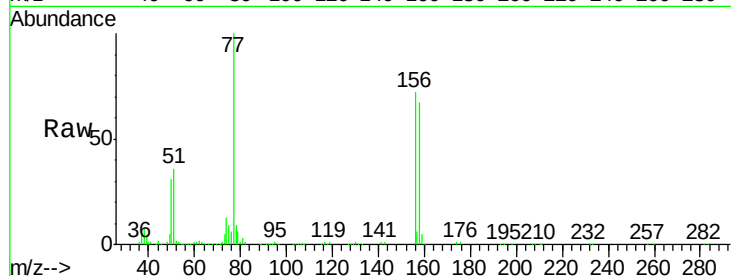
ClientSampleId :

VF0703SBS01

Tot Ion:	156	Resp:	89391
Ion Ratio	Lower	Upper	
156	100		
77	138.9	79.7	238.9
158	92.6	46.2	138.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.887 ug/l

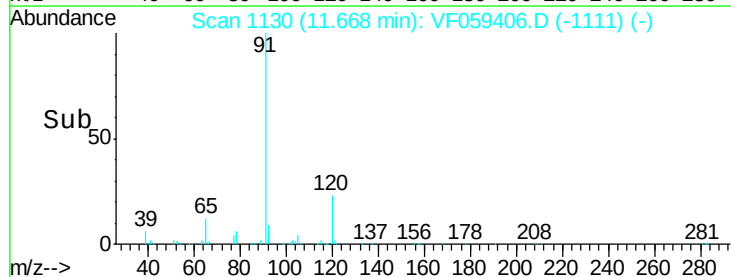
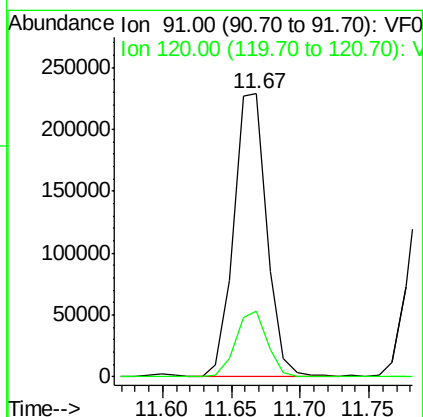
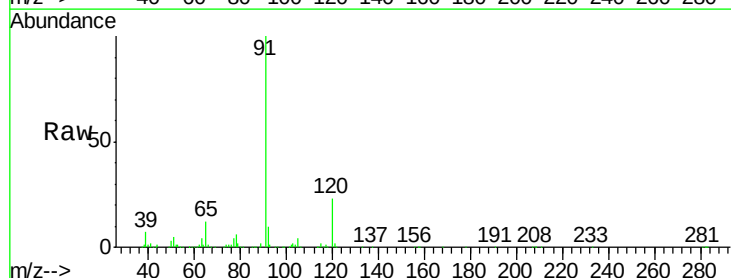
RT: 11.67 min Scan# 1130

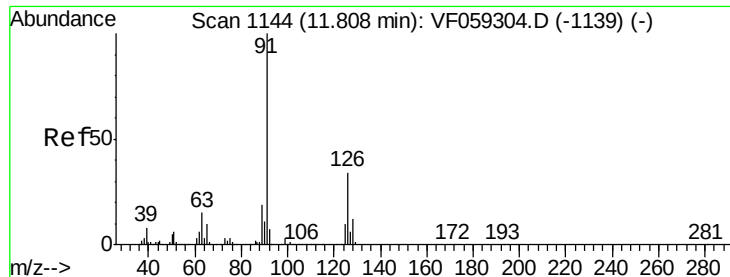
Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	91	Resp:	382172
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.0





#79

2-Chlorotoluene

Concen: 21.844 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 91 Resp: 244190

Ion Ratio Lower Upper

91 100

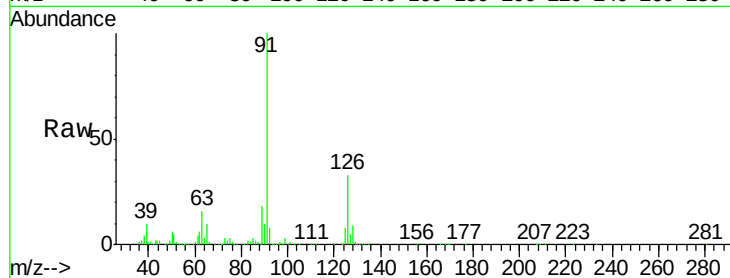
126 32.8 17.2 51.5

Manual Integrations

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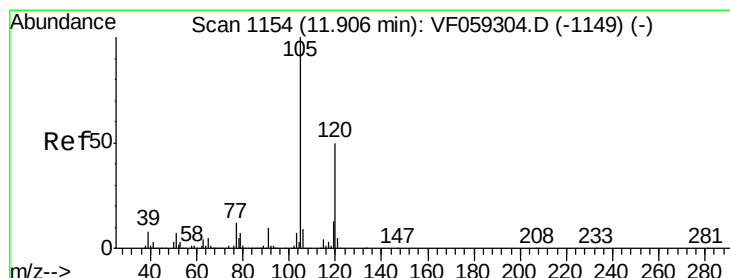
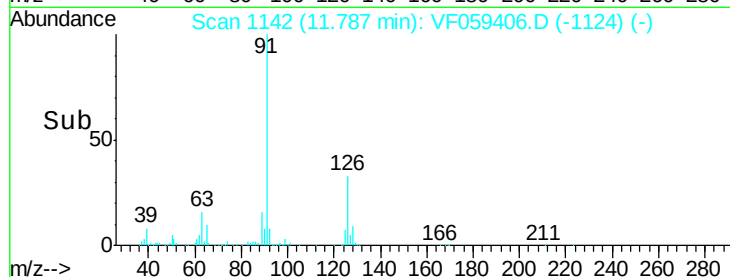
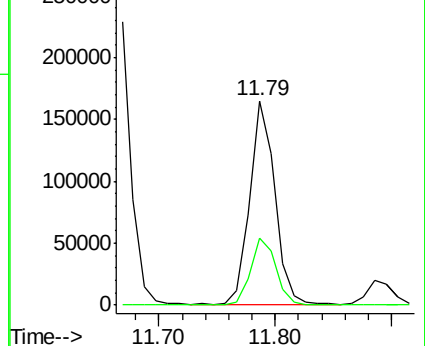
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.538 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VF059406.D

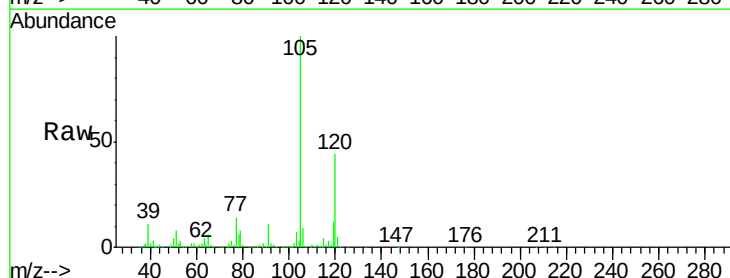
Acq: 3 Jul 2018 12:23

Tgt Ion:105 Resp: 287450

Ion Ratio Lower Upper

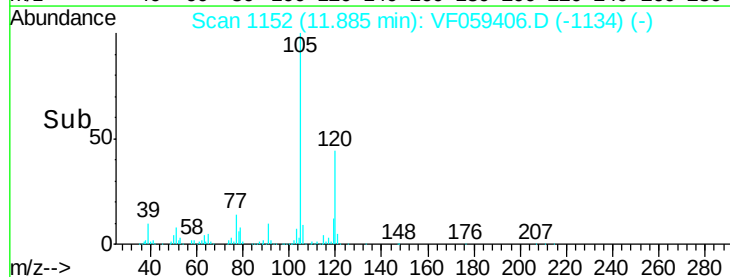
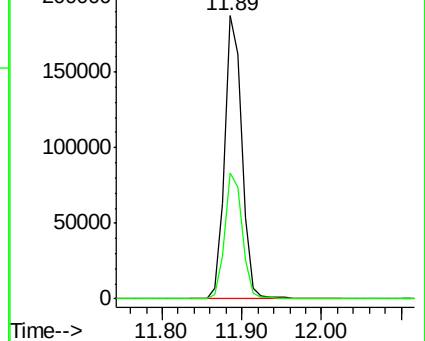
105 100

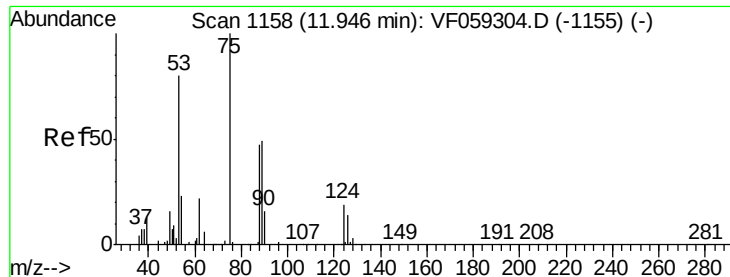
120 44.3 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





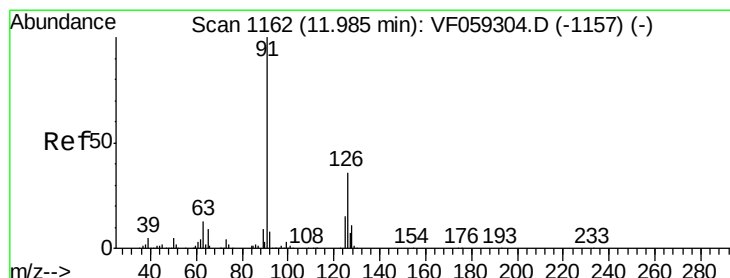
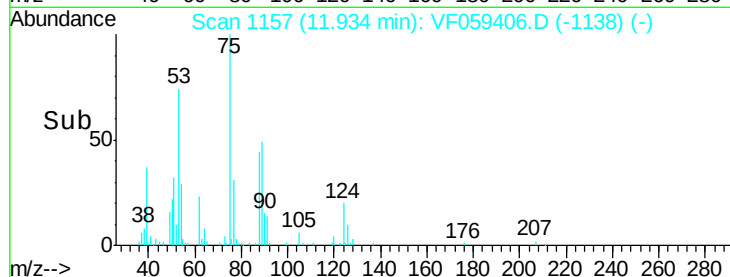
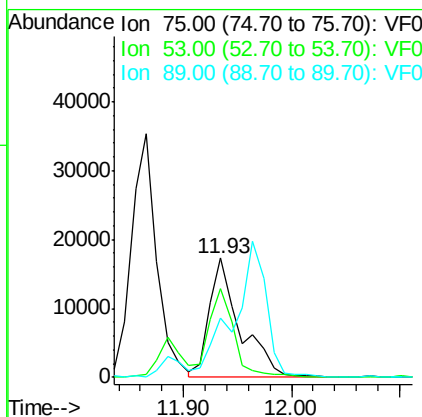
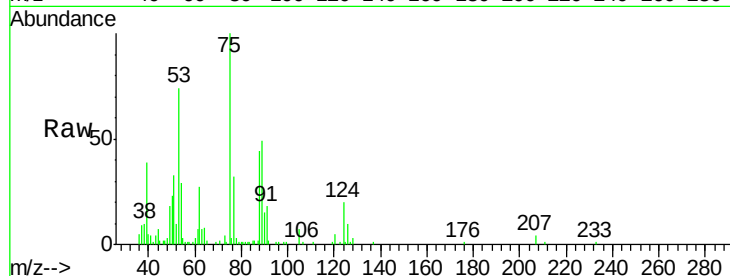
#81
trans-1,4-Dichloro-2-butene
Concen: 19.502 ug/l
RT: 11.93 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.5	68.8	103.2
89	49.4	42.0	63.0

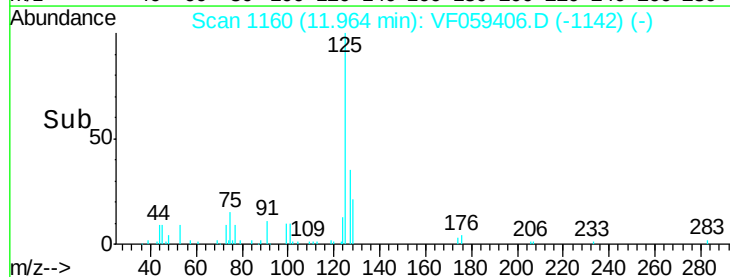
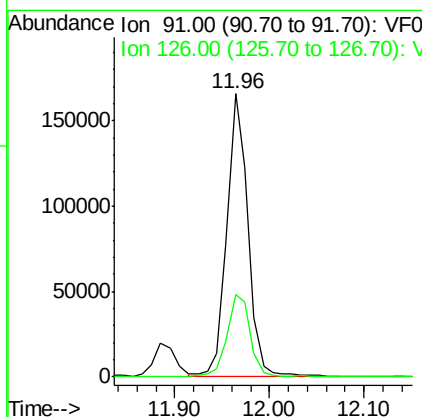
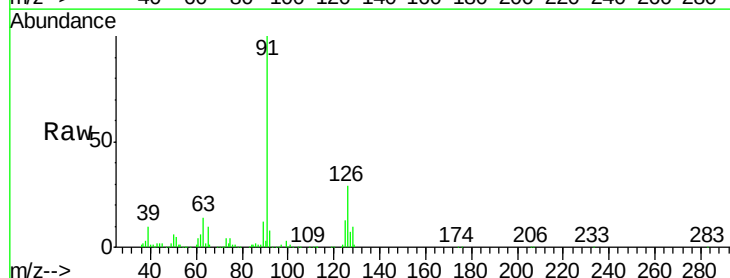
Manual Integrations
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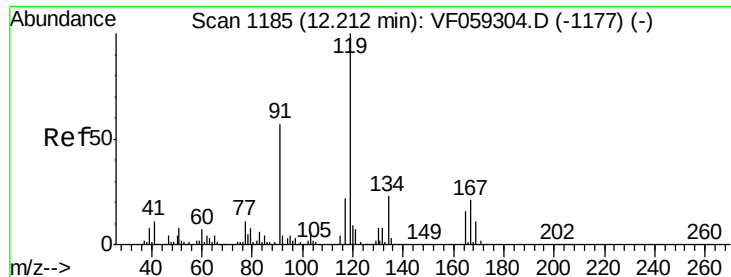
apatel
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#82
4-Chlorotoluene
Concen: 21.058 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. -0.02 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.1	18.2	54.6





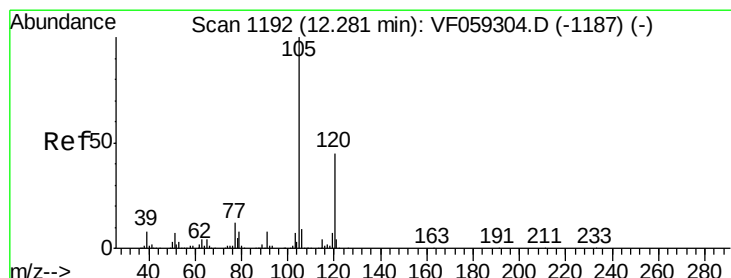
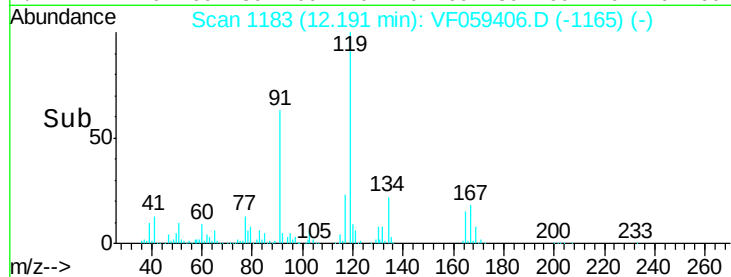
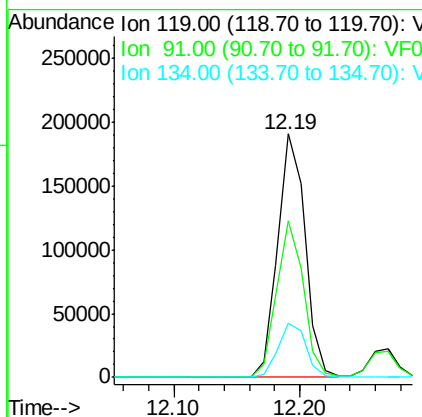
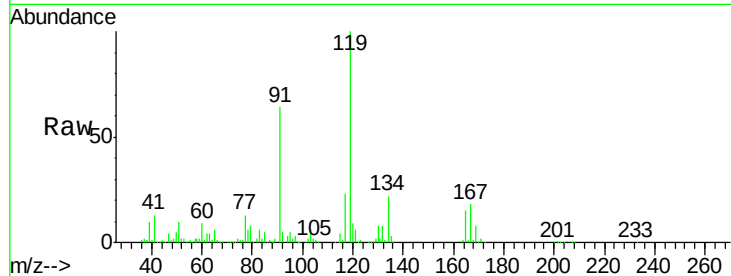
#83
 tert-Butylbenzene
 Concen: 21.767 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	290553		
91	64.3	28.4	85.2	
134	22.0	11.7	35.1	

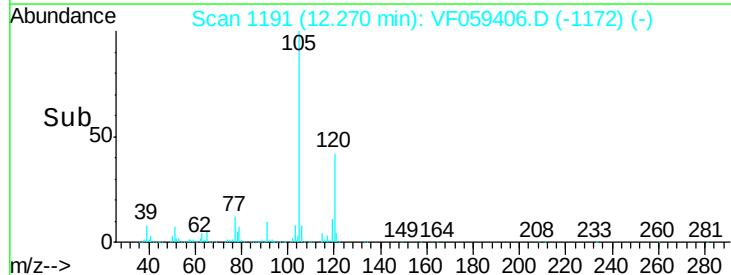
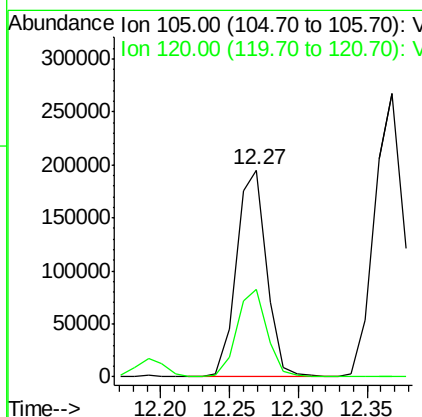
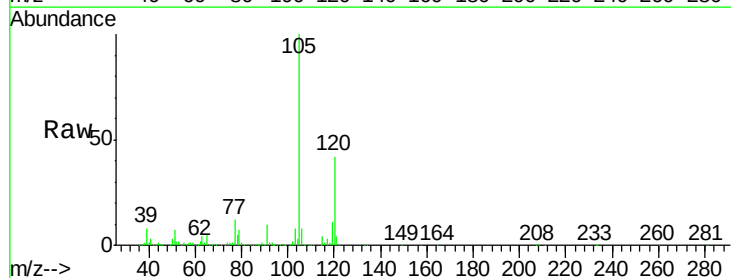
Manual Integrations
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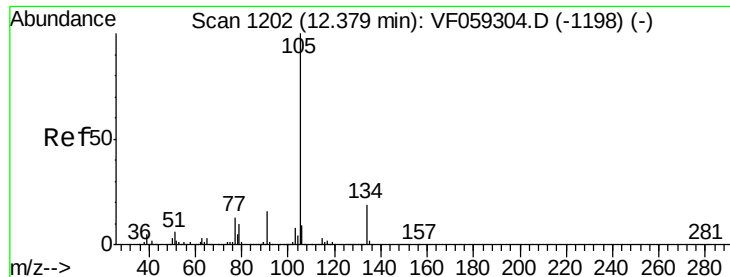
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.264 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	298881		
120	42.2	22.8	68.4	





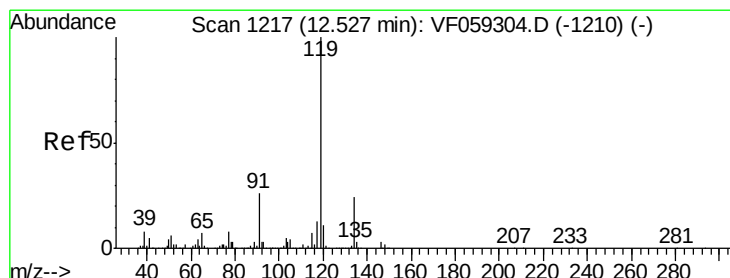
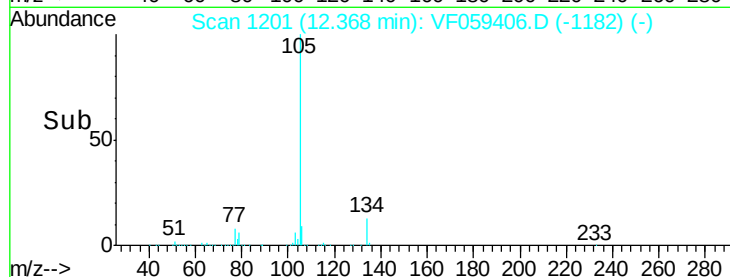
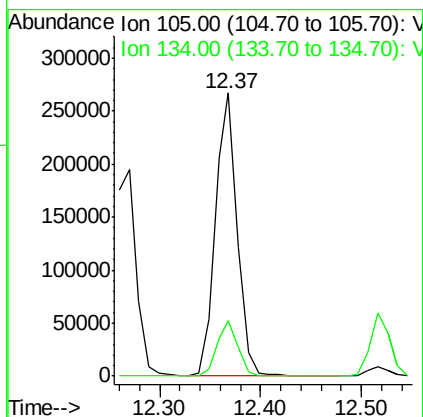
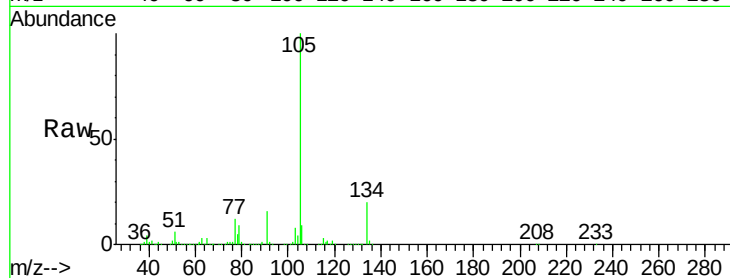
#85
 sec-Butylbenzene
 Concen: 22.646 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	400674		
134	19.6	9.4	28.3	

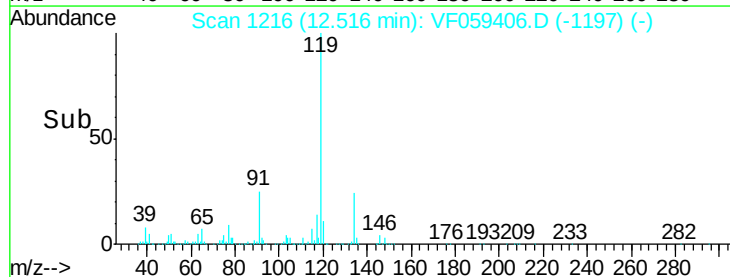
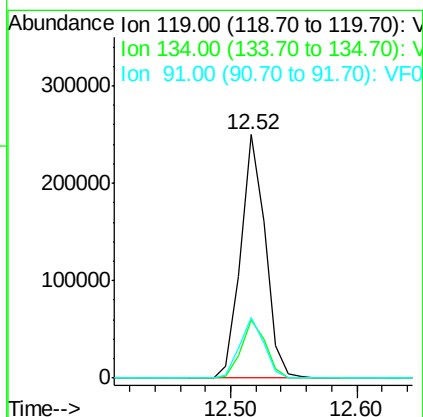
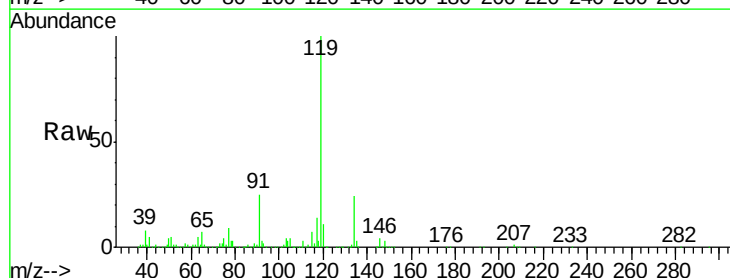
Manual Integrations
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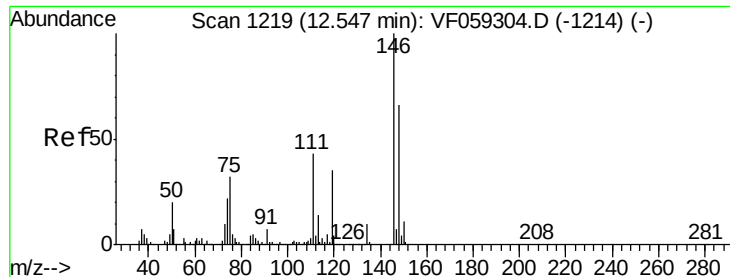
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#86
 p-Isopropyltoluene
 Concen: 22.620 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	335866		
134	23.8	12.2	36.4	
91	24.8	12.9	38.6	





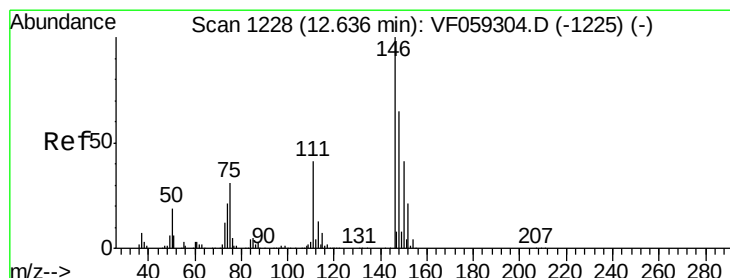
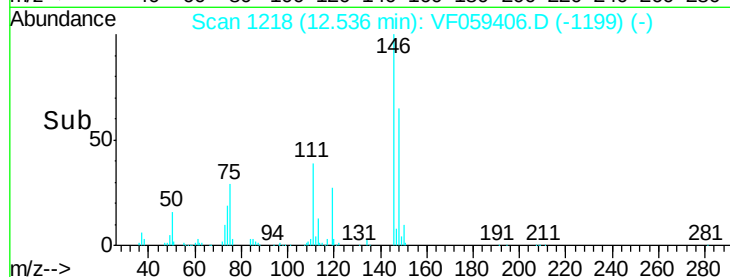
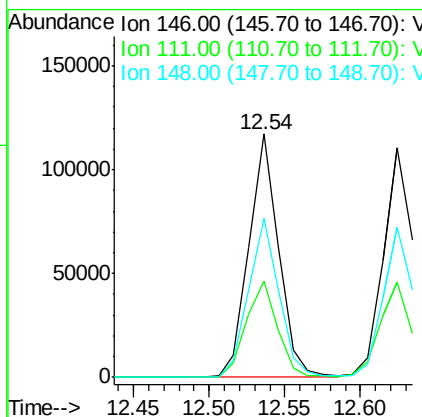
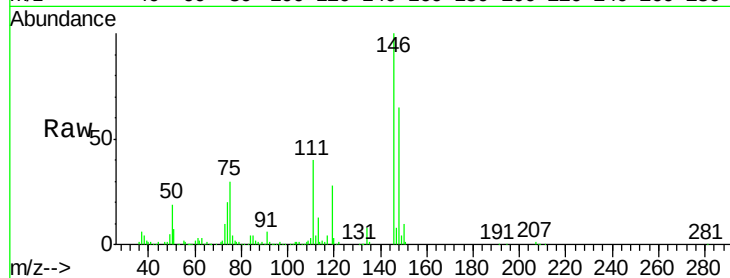
#87
 1,3-Dichlorobenzene
 Concen: 20.423 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Instrument :
 MSVOA_F
 ClientSampled :
 VF0703SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.4	64.2
148	65.3	32.8	98.4

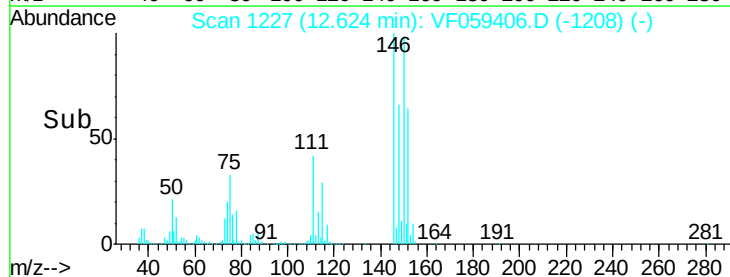
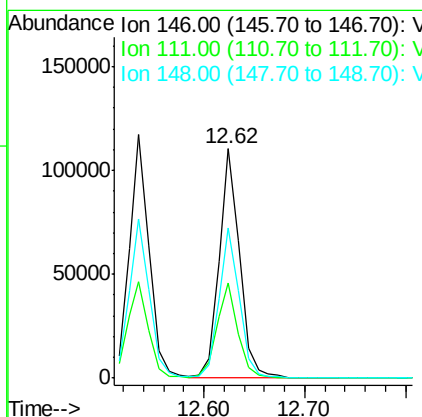
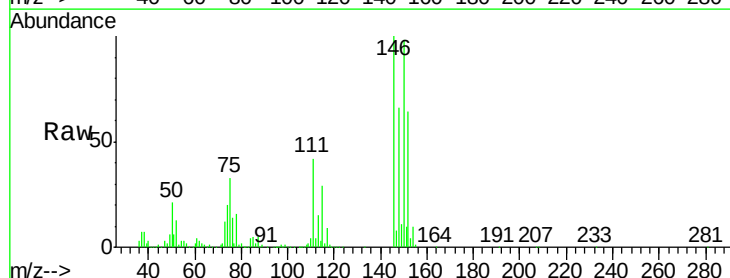
Manual Integrations
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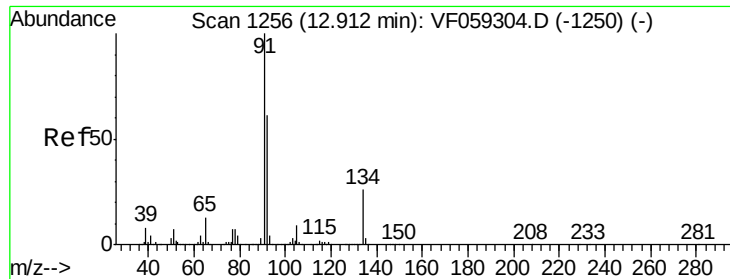
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#88
 1,4-Dichlorobenzene
 Concen: 20.845 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.7	62.1
148	65.7	32.8	98.3





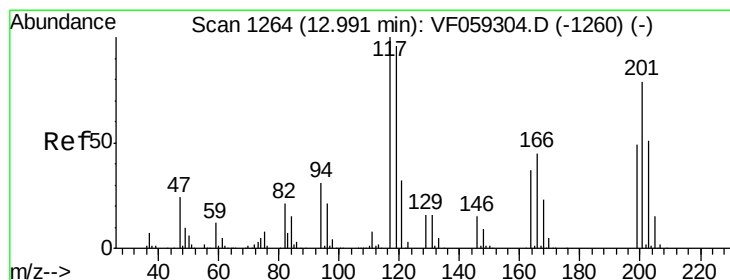
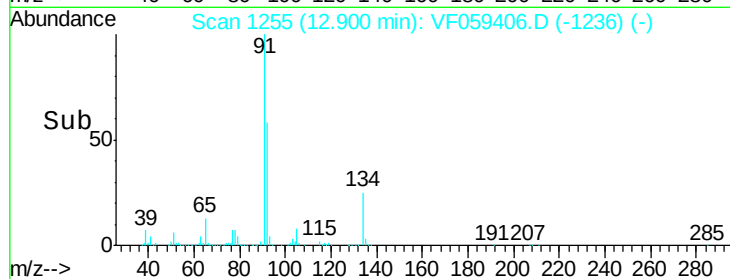
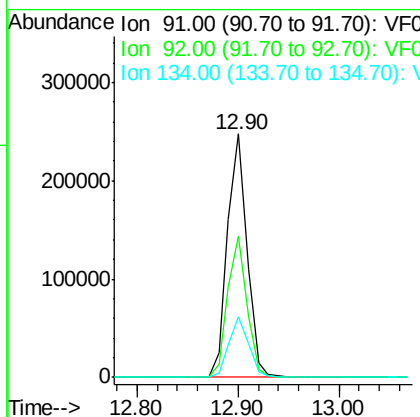
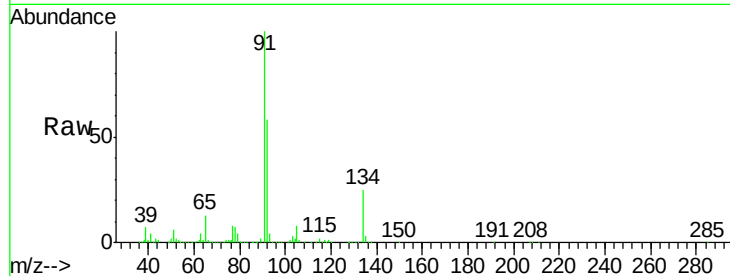
#89
n-Butylbenzene
Concen: 22.192 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	334516		
92	57.9	30.3	91.0	
134	25.1	12.9	38.7	

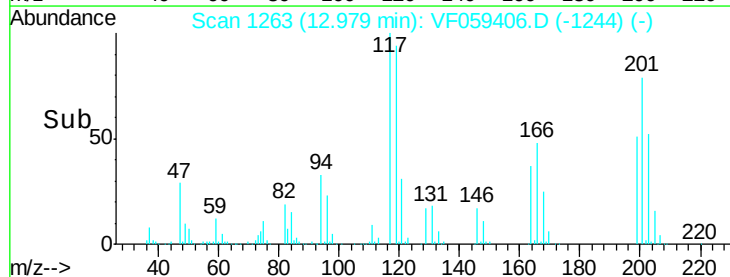
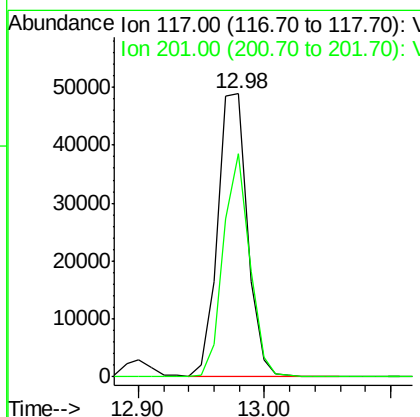
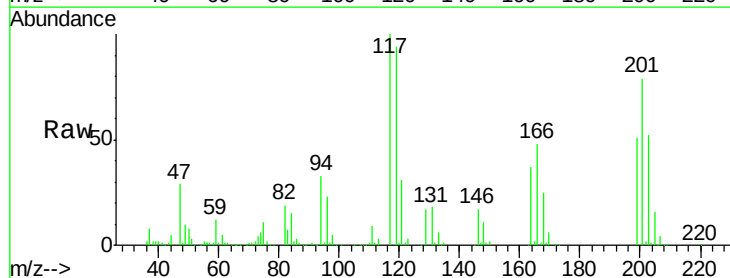
Manual Integrations
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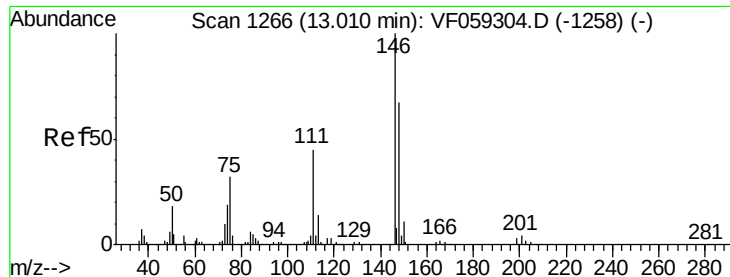
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#90
Hexachloroethane
Concen: 21.814 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059406.D
Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	80727		
201	78.8	39.5	118.5	





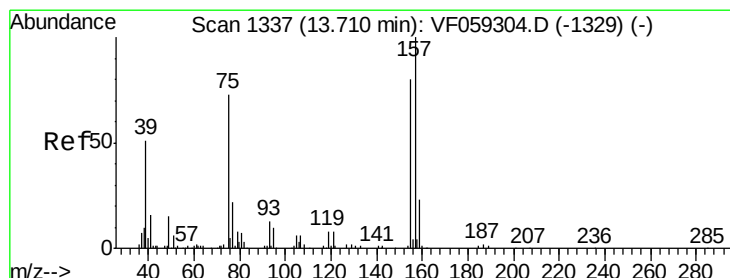
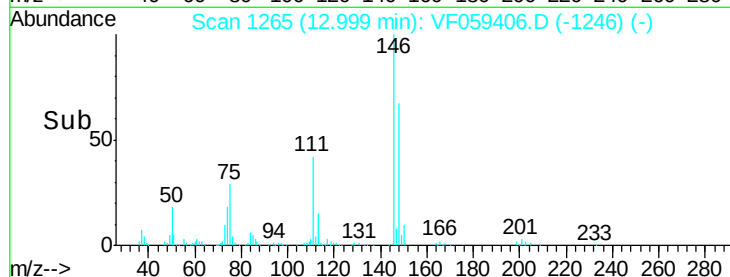
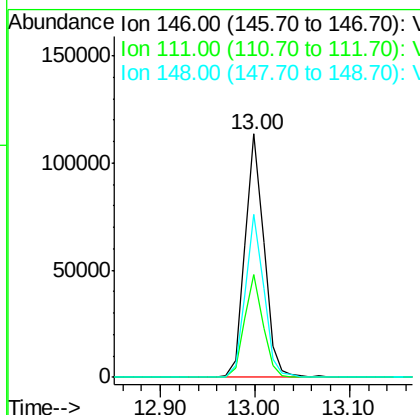
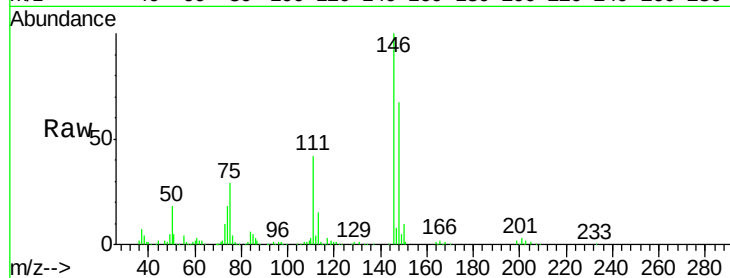
#91
 1,2-Dichlorobenzene
 Concen: 20.603 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.7	68.0
148	66.8	33.5	100.4

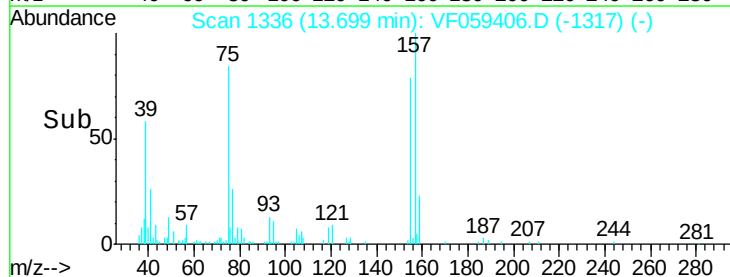
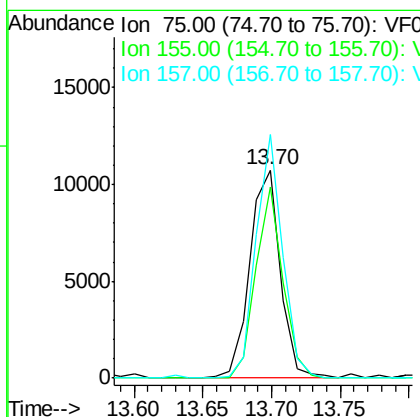
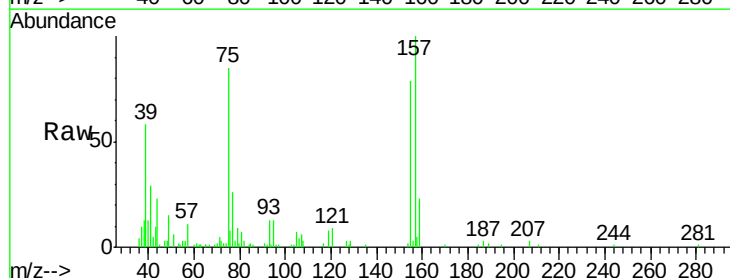
Manual Integrations
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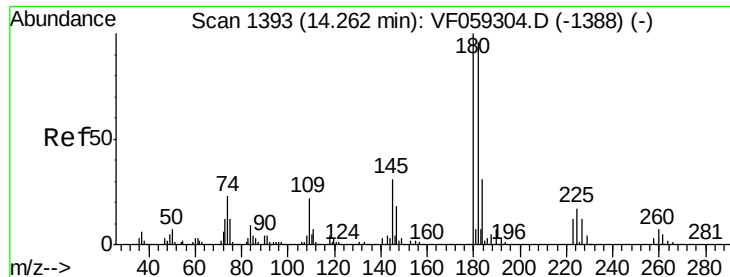
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.519 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	54.6	163.8
157	117.0	68.7	205.9





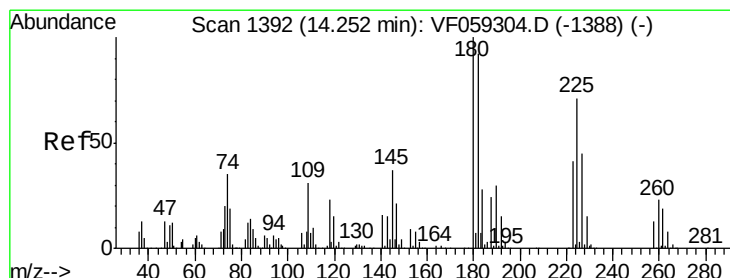
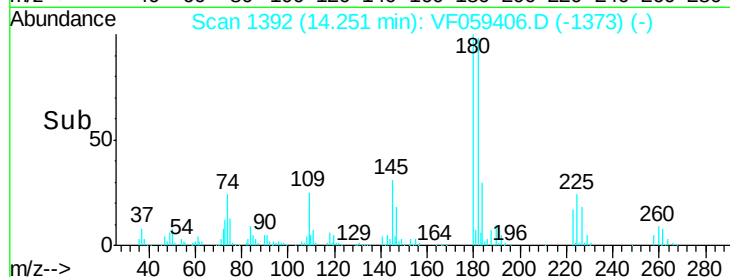
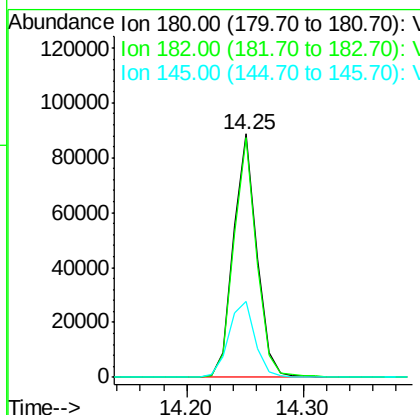
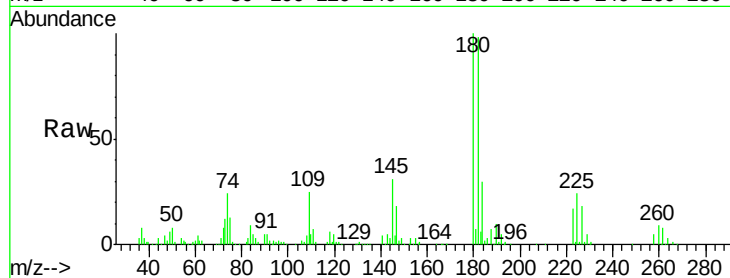
#93
 1,2,4-Trichlorobenzene
 Concen: 21.760 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123471		
182	98.2	48.1	144.3	
145	30.9	15.3	45.8	

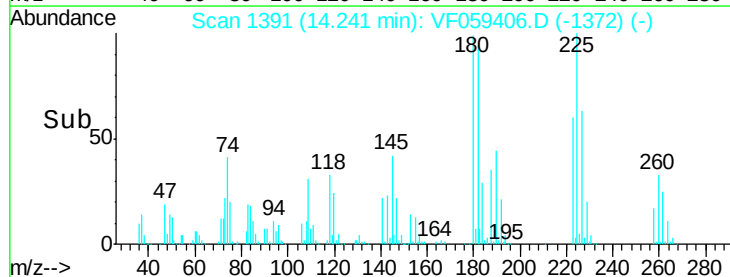
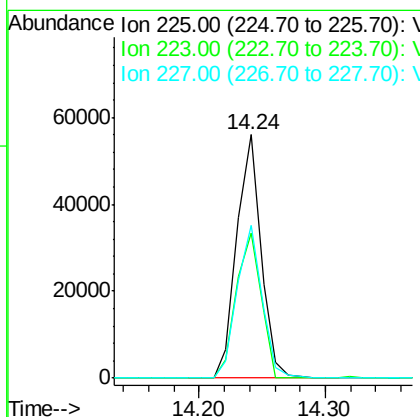
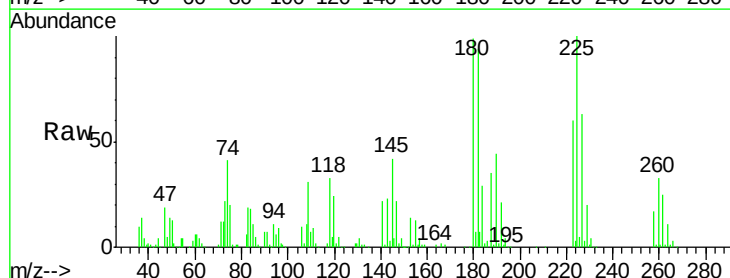
Manual Integrations
 APPROVED

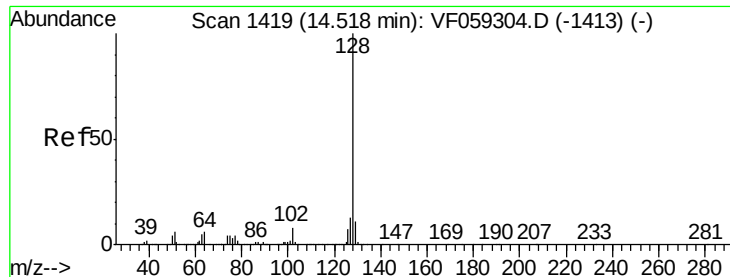
apatel
 7/5/2018 12:41:22 PM



#94
 Hexachlorobutadiene
 Concen: 23.597 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059406.D
 Acq: 3 Jul 2018 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74788		
223	59.7	28.9	86.8	
227	62.8	31.3	93.8	





#95

Naphthalene

Concen: 19.983 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Instrument :

MSVOA_F

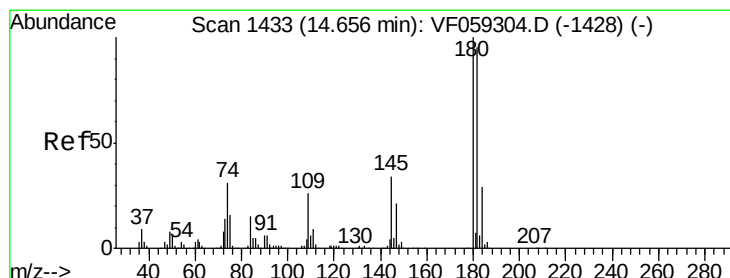
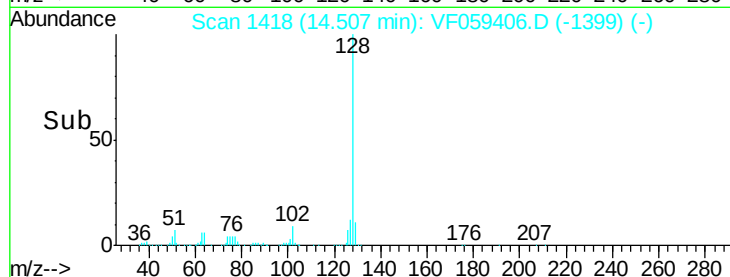
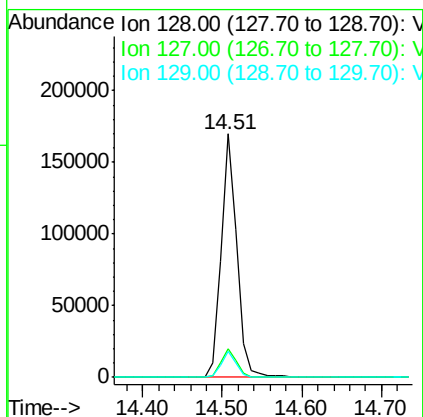
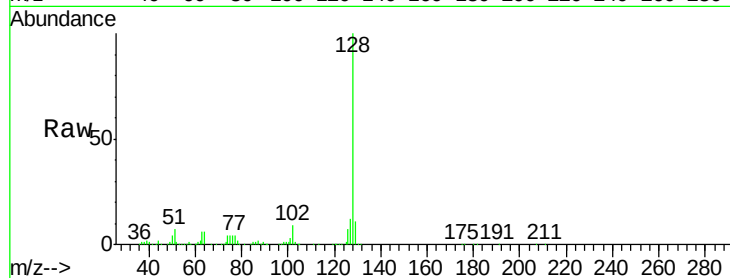
ClientSampleId :

VF0703SBS01

Tot Ion:	128	Resp:	237239
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.1	15.1
129	10.6	8.8	13.2

Manual Integrations
APPROVED

apatel
7/5/2018 12:41:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.414 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059406.D

Acq: 3 Jul 2018 12:23

Tgt Ion:	180	Resp:	115103
Ion Ratio	Lower	Upper	
180	100		
182	97.9	47.5	142.5
145	30.9	17.0	50.9

