

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059208.D
 Acq On : 20 Jun 2018 2:07
 Operator : VA/AP
 Sample : VF0619SBS02
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Manual Integrations
 APPROVED

apatel
 6/20/2018 11:19:03 AM

Quant Time: Jun 20 05:43:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	256160	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	407548	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	396398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	235236	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	174737	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
35) Dibromofluoromethane	4.28	113	163231	57.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	114.16%	
50) Toluene-d8	7.71	98	403638	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.50	95	218872	50.79	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	59666	20.58	ug/l	94
3) Chloromethane	1.08	50	40416	18.00	ug/l	96
4) Vinyl Chloride	1.14	62	40445	19.96	ug/l	93
5) Bromomethane	1.34	94	26987	22.86	ug/l	89
6) Chloroethane	1.43	64	20304	24.15	ug/l	99
7) Trichlorofluoromethane	1.49	101	71393m	22.67	ug/l	
8) Diethyl Ether	1.70	74	18654	23.54	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.90	101	45054	22.45	ug/l	96
10) Methyl Iodide	1.96	142	77874	22.17	ug/l	99
11) Tert butyl alcohol	2.69	59	20892	104.96	ug/l	99
12) 1,1-Dichloroethene	1.85	96	37032	21.94	ug/l	94
13) Acrolein	2.09	56	12293	71.35	ug/l	86
14) Allyl chloride	2.19	41	70147	21.17	ug/l	97
15) Acrylonitrile	3.07	53	46894	118.62	ug/l	95
16) Acetone	2.33	43	76126	102.63	ug/l #	89
17) Carbon Disulfide	1.87	76	90573	19.11	ug/l	96
18) Methyl Acetate	2.45	43	29739m	23.32	ug/l	
19) Methyl tert-butyl Ether	2.53	73	127962m	24.42	ug/l	
20) Methylene Chloride	2.27	84	44051m	24.80	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	40033	21.63	ug/l	96
22) Diisopropyl ether	2.92	45	154176	23.67	ug/l	98
23) Vinyl Acetate	3.33	43	509255	118.60	ug/l	99
24) 1,1-Dichloroethane	2.99	63	92009	23.30	ug/l	98
25) 2-Butanone	4.50	43	121270	105.45	ug/l	99
26) 2,2-Dichloropropane	3.75	77	56925	19.87	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	62455	21.92	ug/l	91
28) Bromochloromethane	3.88	49	43038	24.22	ug/l #	90
29) Tetrahydrofuran	4.26	42	60494	119.39	ug/l	98
30) Chloroform	4.03	83	133595	23.65	ug/l	100
31) Cyclohexane	3.85	56	67161	19.47	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	97056	23.02	ug/l	96
36) 1,1-Dichloropropene	4.45	75	87065	22.04	ug/l	95
37) Ethyl Acetate	4.27	43	61627	25.25	ug/l #	96
38) Carbon Tetrachloride	4.17	117	101403	23.69	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	81108	20.14	ug/l	99
40) Benzene	4.80	78	195385	21.31	ug/l	97
41) Methacrylonitrile	4.92	41	26136	21.80	ug/l	94
42) 1,2-Dichloroethane	5.11	62	102281	24.87	ug/l	98
43) Isopropyl Acetate	7.10	43	69893	21.38	ug/l #	88
44) Trichloroethene	5.66	130	65501	22.86	ug/l	94
45) 1,2-Dichloropropane	6.39	63	55692	21.07	ug/l	95
46) Dibromomethane	6.25	93	45373	22.81	ug/l	96
47) Bromodichloromethane	6.54	83	103282	22.82	ug/l	99
48) Methyl methacrylate	6.87	41	44384	22.02	ug/l	93
49) 1,4-Dioxane	6.87	88	4550	296.24	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	266443	118.92	ug/l	99
52) Toluene	7.77	92	138475	20.97	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	95854	21.87	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	103698	20.60	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	54269	22.68	ug/l	95
56) Ethyl methacrylate	8.75	69	61444	20.37	ug/l #	85
57) 1,3-Dichloropropane	9.00	76	97738	23.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	23316	108.09	ug/l	100
59) 2-Hexanone	9.63	43	199327	112.47	ug/l	91
60) Dibromochloromethane	8.86	129	78010	22.68	ug/l	93
61) 1,2-Dibromoethane	9.12	107	62600	22.51	ug/l	89
64) Tetrachloroethene	8.30	164	68557	23.58	ug/l	96
65) Chlorobenzene	9.93	112	171235	21.81	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	70846	22.69	ug/l	98
67) Ethyl Benzene	10.03	91	292409	21.44	ug/l	98
68) m/p-Xylenes	10.26	106	217779	42.65	ug/l	87
69) o-Xylene	10.82	106	114750	20.79	ug/l	92
70) Styrene	10.90	104	179075	21.45	ug/l	98
71) Bromoform	10.88	173	50554	23.84	ug/l #	87
73) Isopropylbenzene	11.22	105	347672	21.35	ug/l	99
74) N-amyl acetate	11.46	43	128349	22.06	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	82811	21.45	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	65384	22.93	ug/l	99
77) Bromobenzene	11.59	156	89121	21.74	ug/l	93
78) n-propylbenzene	11.69	91	410992	21.32	ug/l	99
79) 2-Chlorotoluene	11.81	91	242534	21.30	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	297713	22.09	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	36190	19.57	ug/l	91
82) 4-Chlorotoluene	11.98	91	251916	20.78	ug/l	93
83) tert-Butylbenzene	12.21	119	294045	21.97	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	302099	21.63	ug/l	94
85) sec-Butylbenzene	12.39	105	390016	21.44	ug/l	98
86) p-Isopropyltoluene	12.54	119	336716	22.54	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	168812	22.31	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	157249	21.56	ug/l	98
89) n-Butylbenzene	12.92	91	336291	19.76	ug/l	96
90) Hexachloroethane	12.99	117	78456	21.33	ug/l	90
91) 1,2-Dichlorobenzene	13.02	146	160190	21.97	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17352	22.91	ug/l	98

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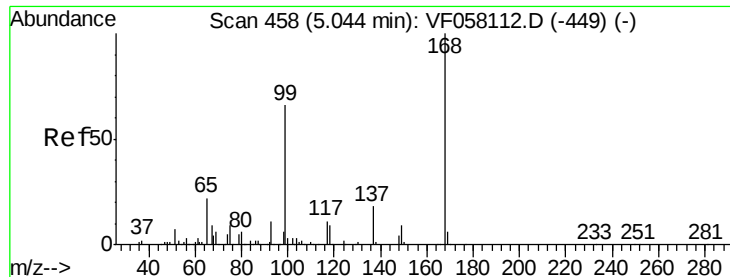
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	117085	22.96	ug/l	95
94) Hexachlorobutadiene	14.25	225	65452	22.18	ug/l	99
95) Naphthalene	14.52	128	250970	23.04	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	115084	24.42	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion:168 Resp: 256160

Ion Ratio Lower Upper

168 100

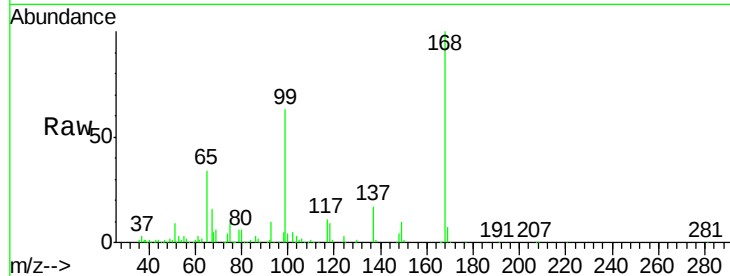
99 63.5 52.9 79.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

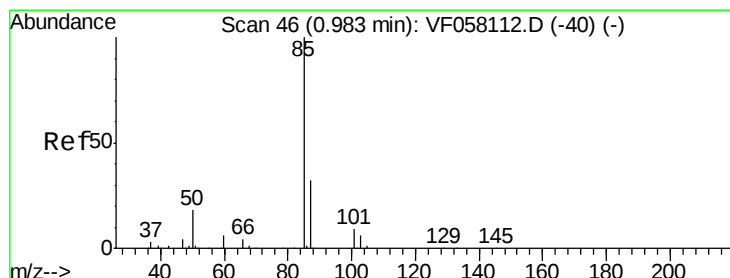
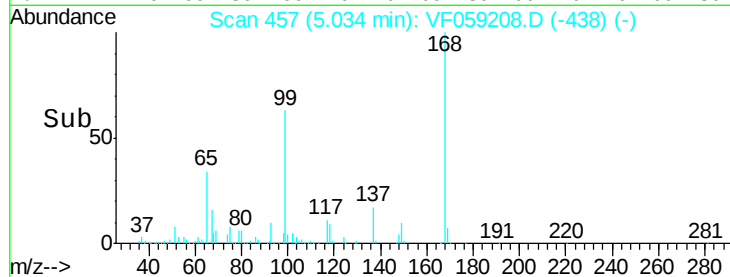
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.58 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059208.D

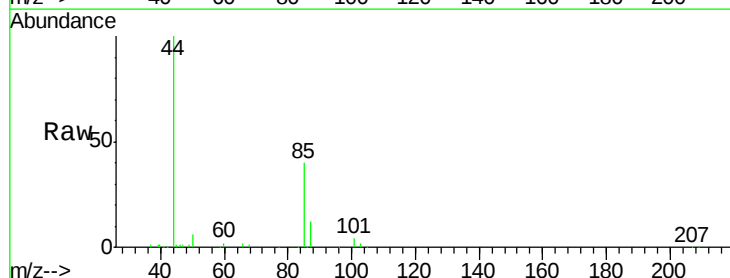
Acq: 20 Jun 2018 2:07

Tgt Ion: 85 Resp: 59666

Ion Ratio Lower Upper

85 100

87 29.3 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

15000

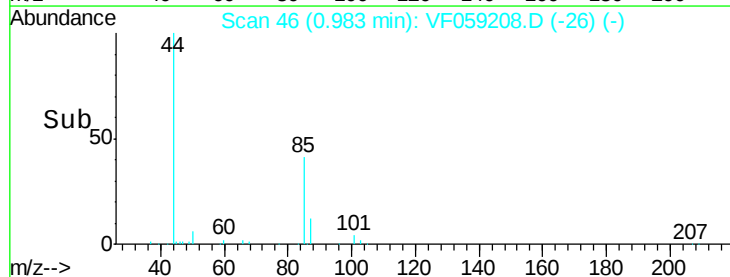
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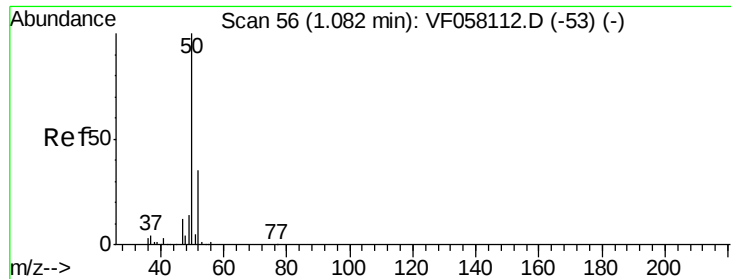
5000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 18.00 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 50 Resp: 40416

Ion Ratio Lower Upper

50 100

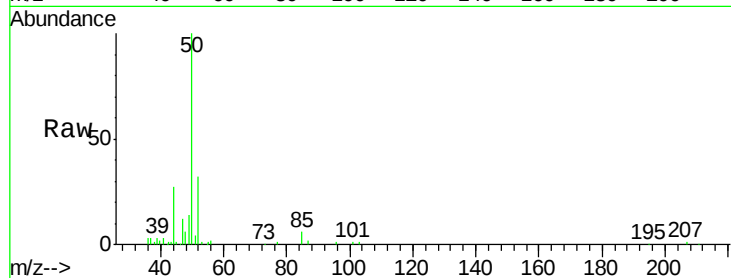
52 31.6 27.3 40.9

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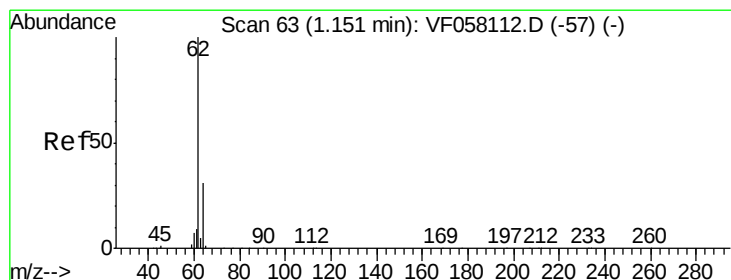
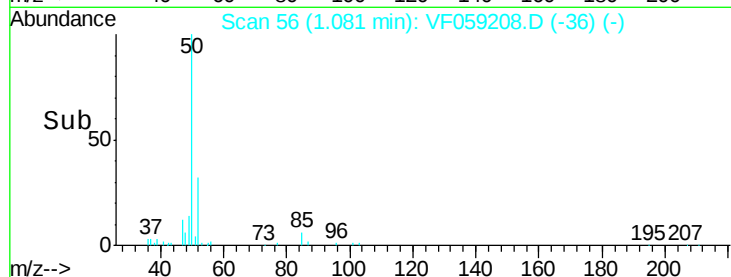
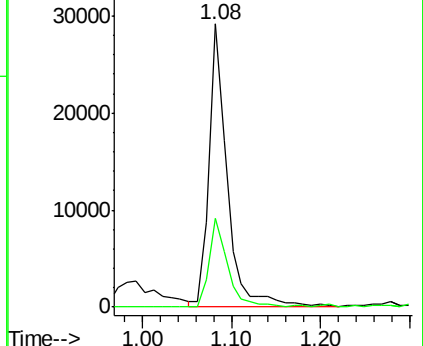
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 19.96 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059208.D

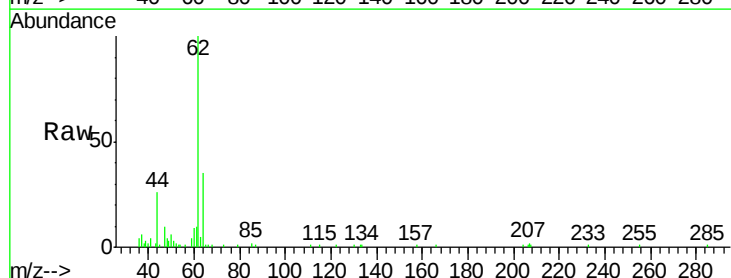
Acq: 20 Jun 2018 2:07

Tgt Ion: 62 Resp: 40445

Ion Ratio Lower Upper

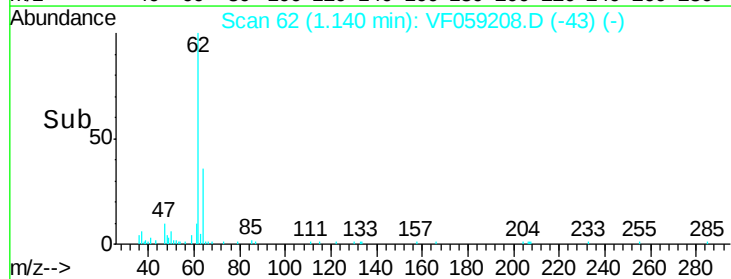
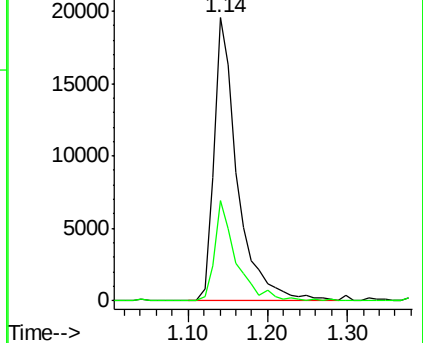
62 100

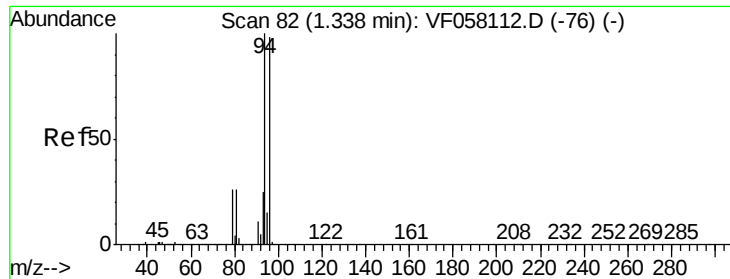
64 35.3 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.86 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 26987

Ion Ratio Lower Upper

94 100

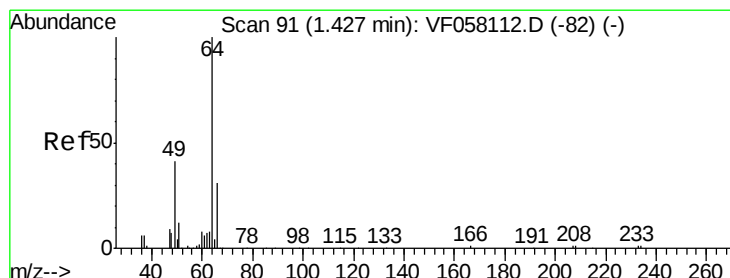
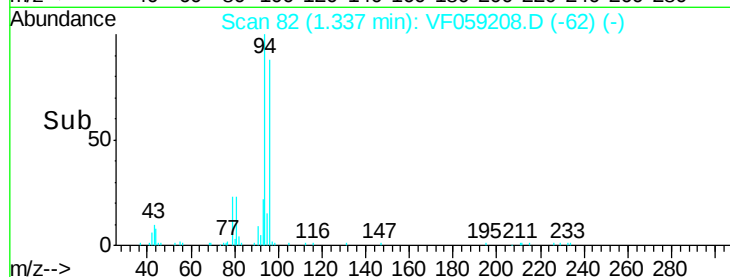
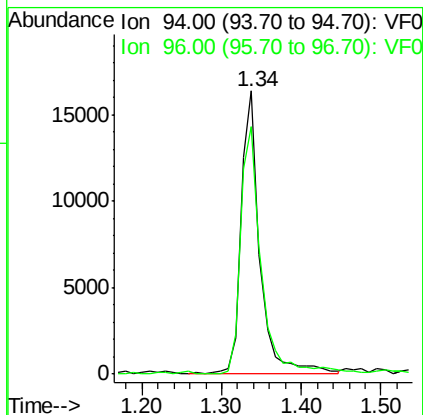
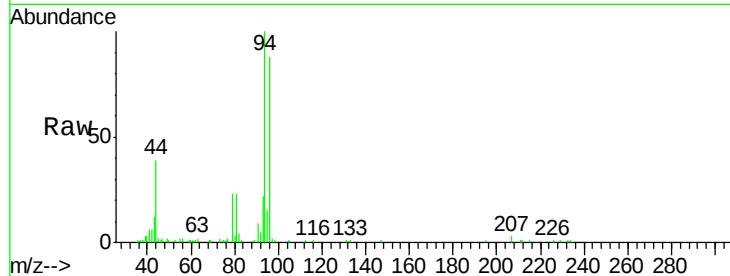
96 87.5 78.6 117.8

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#6

Chloroethane

Concen: 24.15 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059208.D

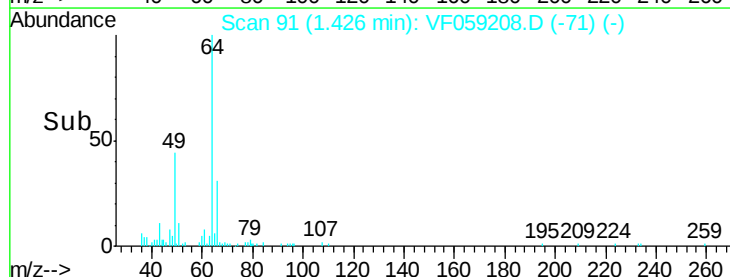
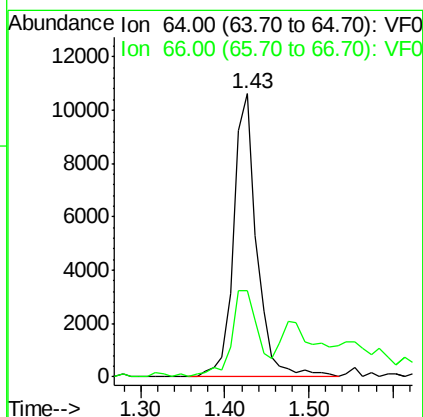
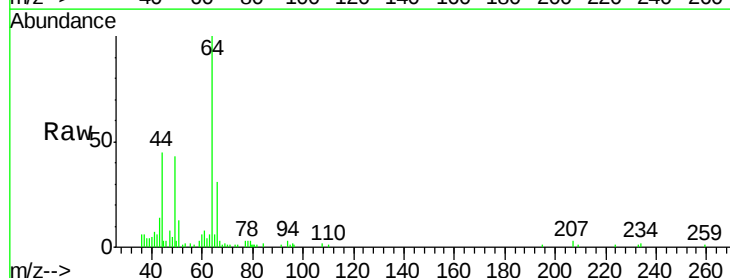
Acq: 20 Jun 2018 2:07

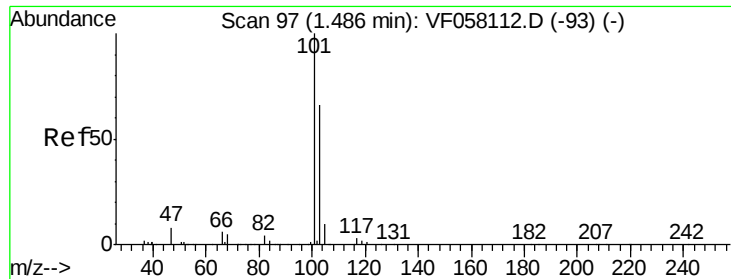
Tgt Ion: 64 Resp: 20304

Ion Ratio Lower Upper

64 100

66 30.6 24.9 37.3





#7

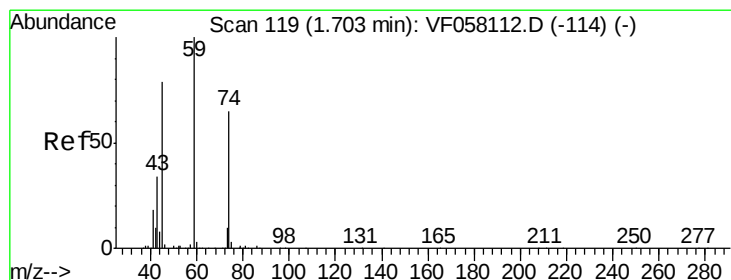
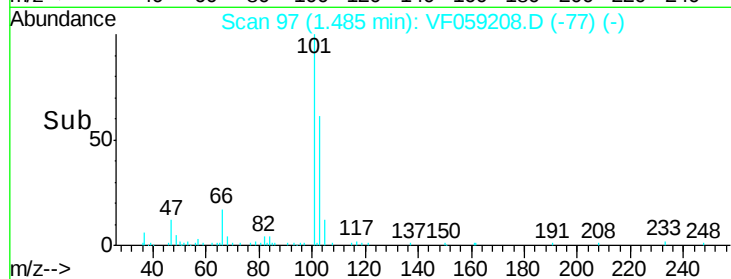
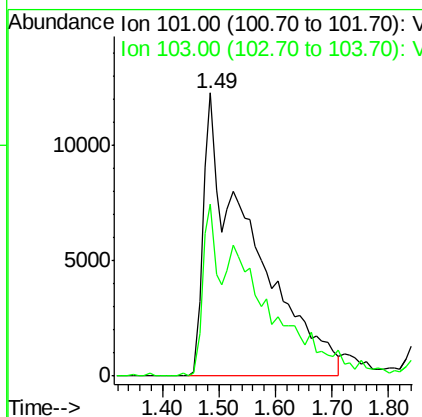
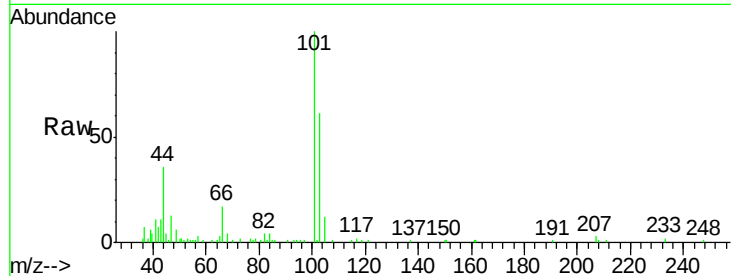
Trichlorofluoromethane
Concen: 22.67 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	53.4	80.2

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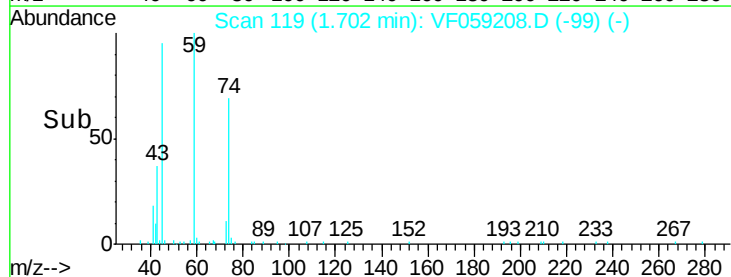
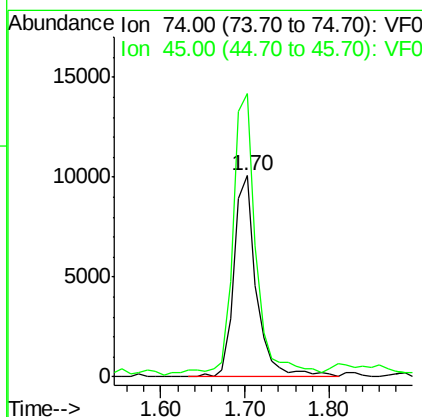
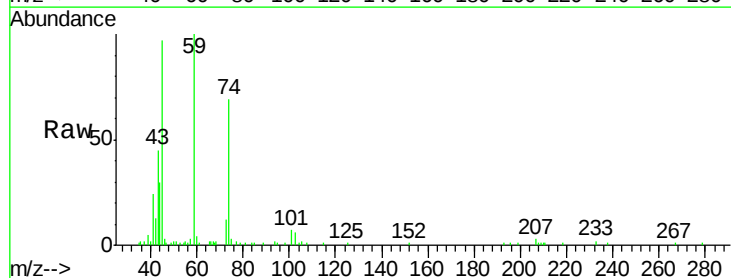
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#8

Diethyl Ether
Concen: 23.54 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.8	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.45 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

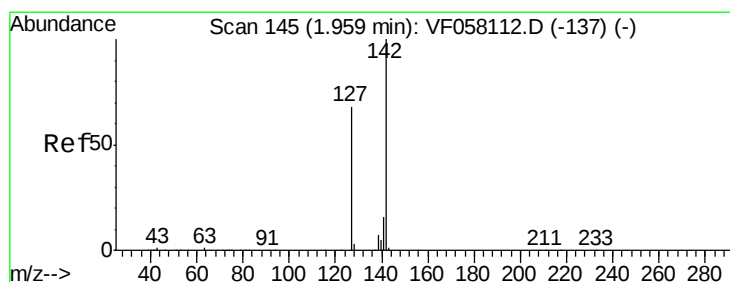
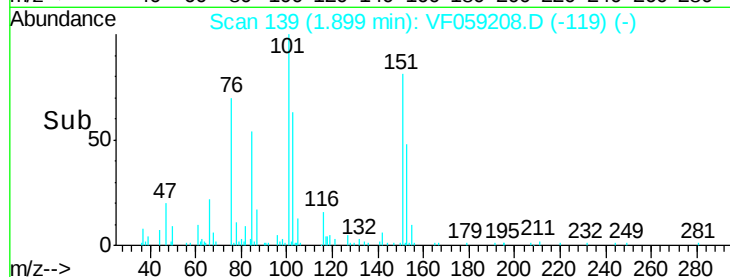
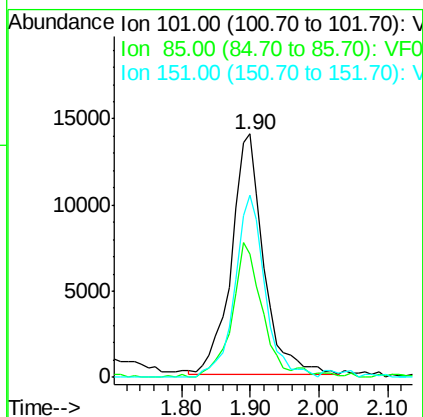
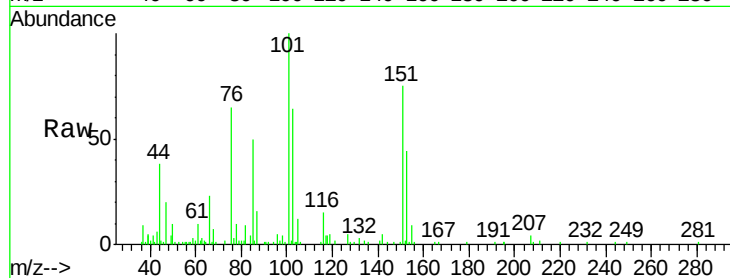
ClientSampleId :

VF0619SBS02

Tot Ion:	101	Resp:	45054
Ion Ratio	Lower	Upper	
101	100		
85	50.5	42.2	63.4
151	74.7	56.8	85.2

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#10

Methyl Iodide

Concen: 22.17 ug/l

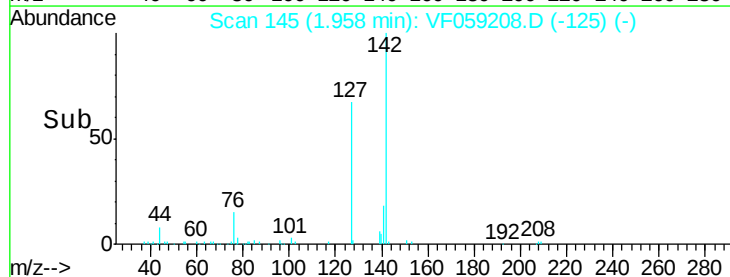
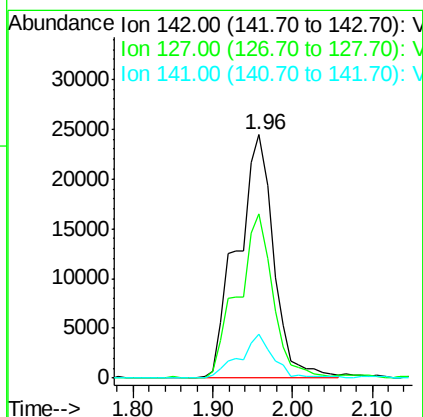
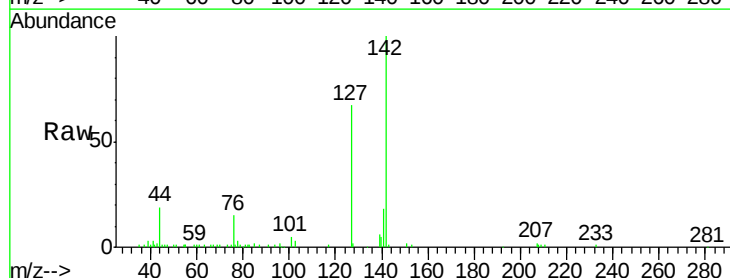
RT: 1.96 min Scan# 145

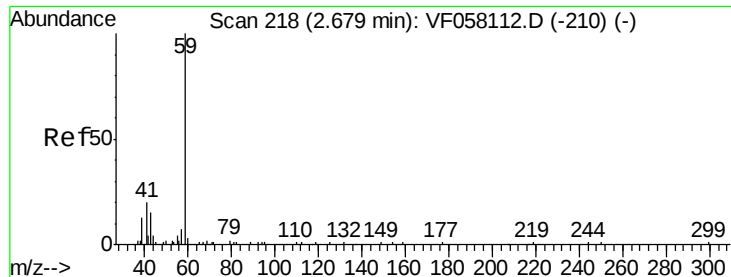
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	142	Resp:	77874
Ion Ratio	Lower	Upper	
142	100		
127	67.3	54.1	81.1
141	18.1	13.0	19.4





#11

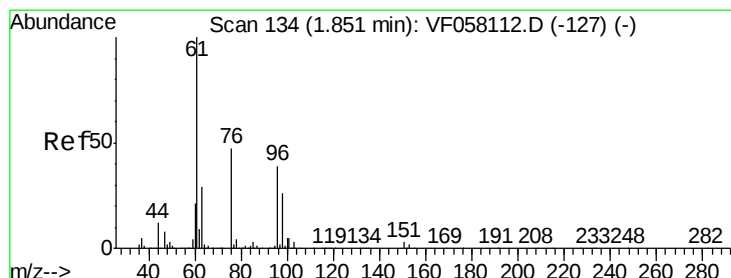
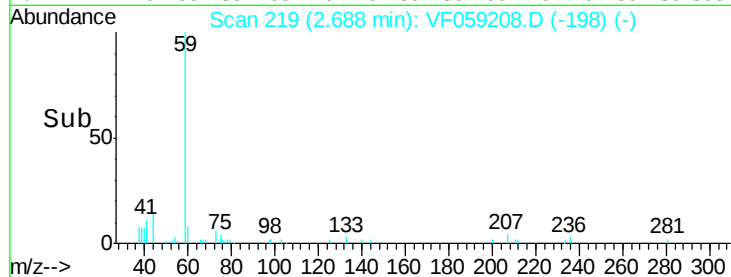
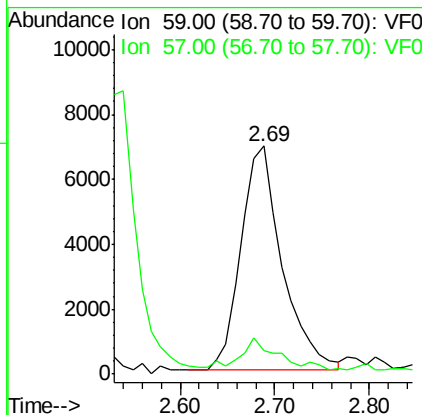
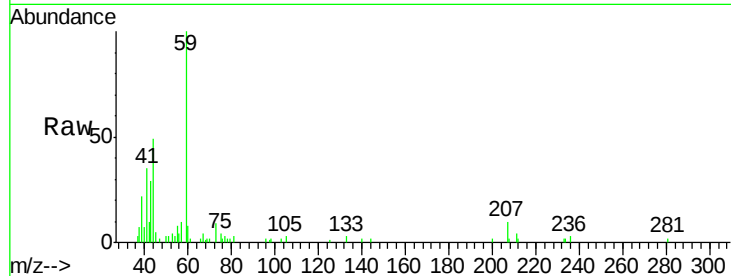
Tert butyl alcohol
Concen: 104.96 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	59	Resp	20892
Ion Ratio	100	Lower	Upper
57	10.5	8.7	13.1

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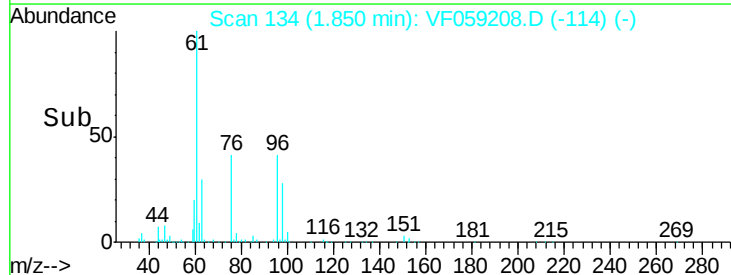
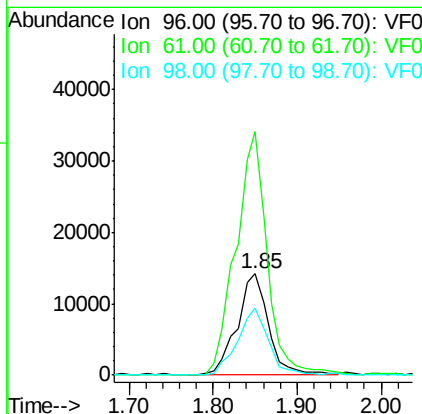
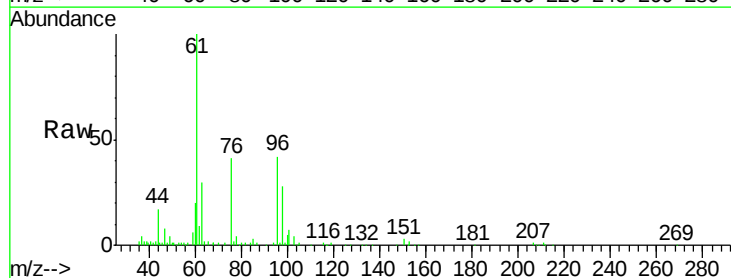
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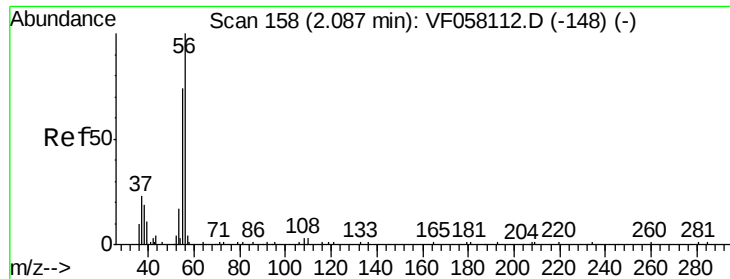


#12

1,1-Dichloroethene
Concen: 21.94 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	96	Resp	37032
Ion Ratio	100	Lower	Upper
61	240.7	203.0	304.4
98	66.6	52.7	79.1





#13

Acrolein

Concen: 71.35 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 56 Resp: 12293

Ion Ratio Lower Upper

56 100

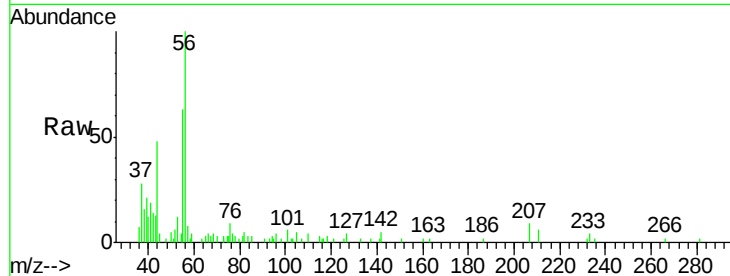
55 63.2 60.0 90.0

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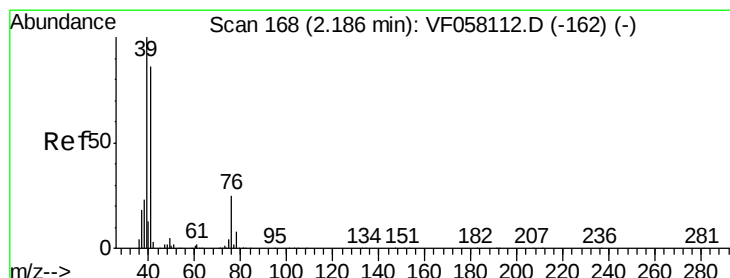
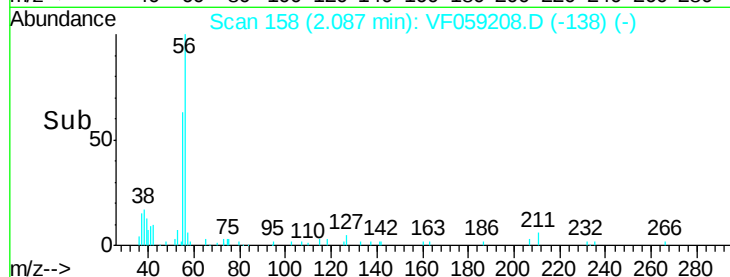
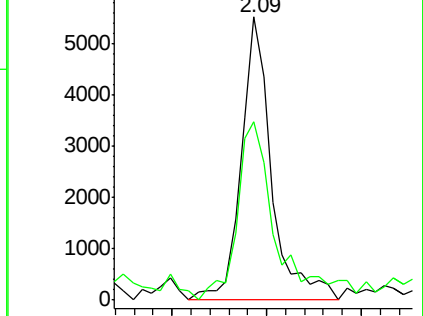
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.17 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

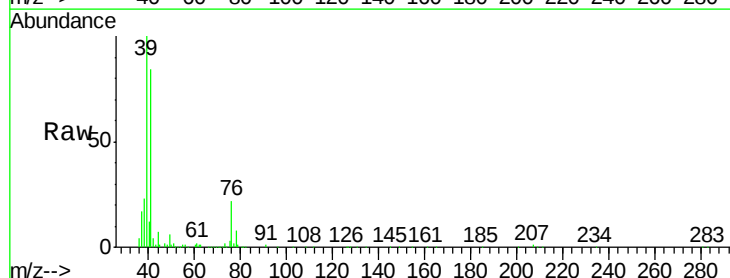
Tgt Ion: 41 Resp: 70147

Ion Ratio Lower Upper

41 100

39 118.8 93.5 140.3

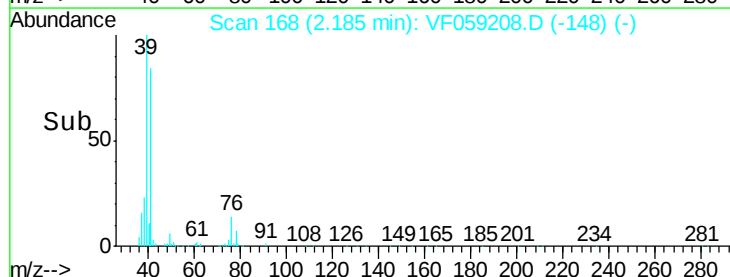
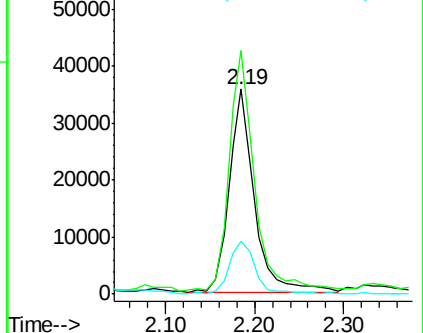
76 25.6 23.9 35.9

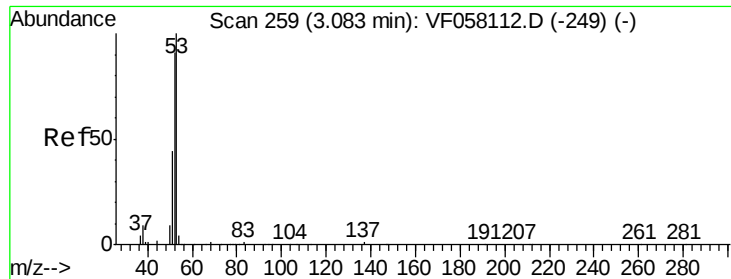


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 118.62 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

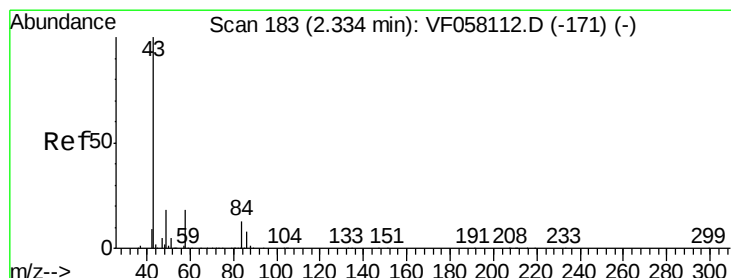
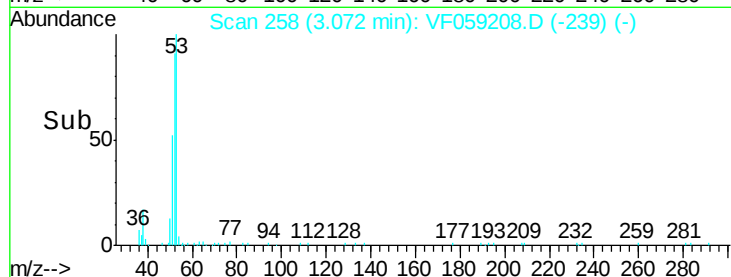
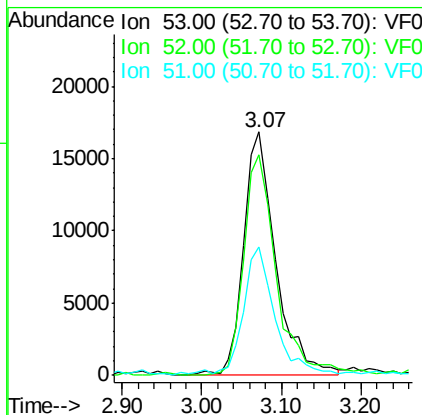
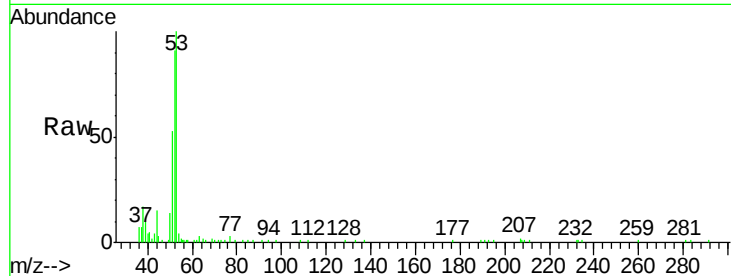
ClientSampleId :

VF0619SBS02

Tot Ion:	53	Resp:	46894
Ion	Ratio	Lower	Upper
53	100		
52	90.8	73.2	109.8
51	52.7	35.6	53.4

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#16

Acetone

Concen: 102.63 ug/l

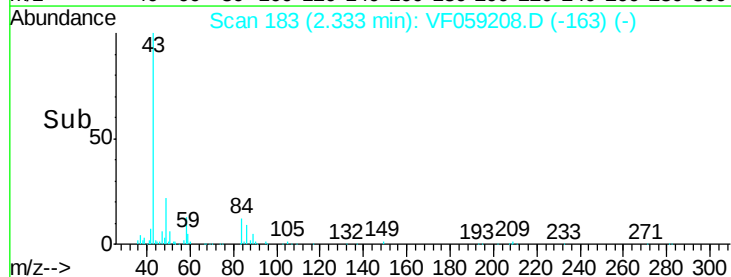
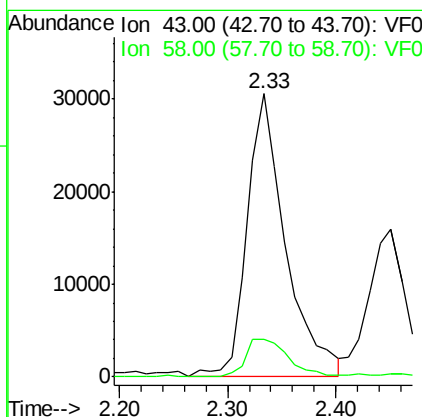
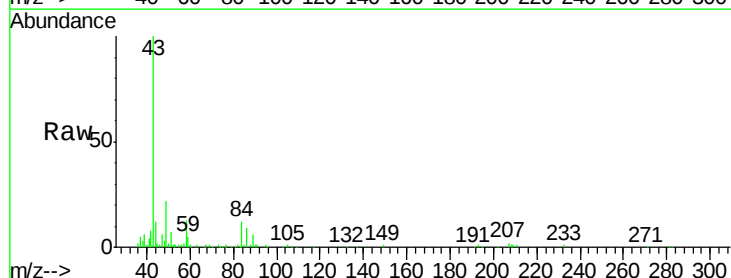
RT: 2.33 min Scan# 183

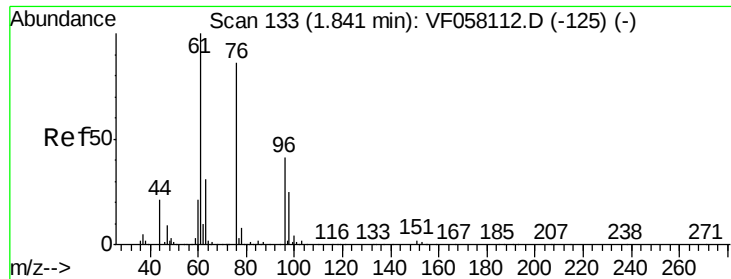
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	43	Resp:	76126
Ion	Ratio	Lower	Upper
43	100		
58	13.3	14.4	21.6#





#17

Carbon Disulfide

Concen: 19.11 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.03 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 76 Resp: 90573

Ion Ratio Lower Upper

76 100

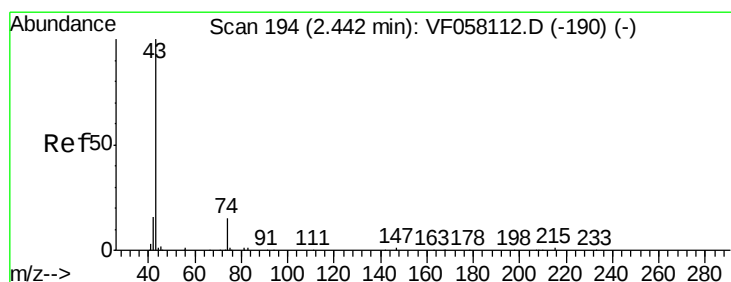
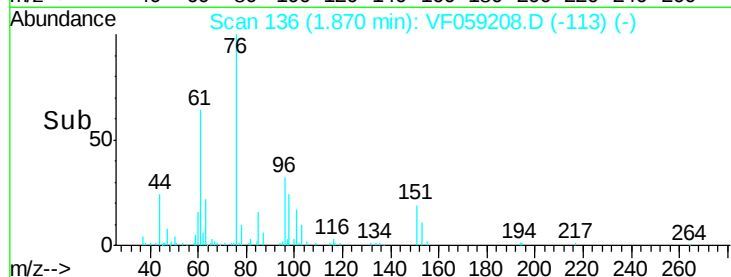
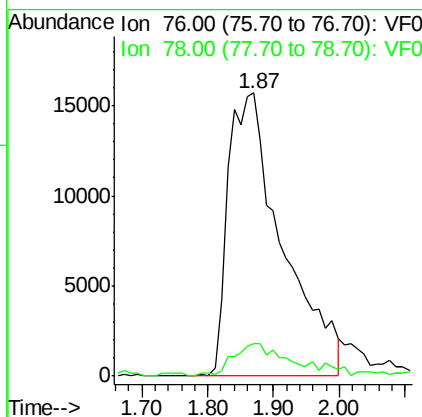
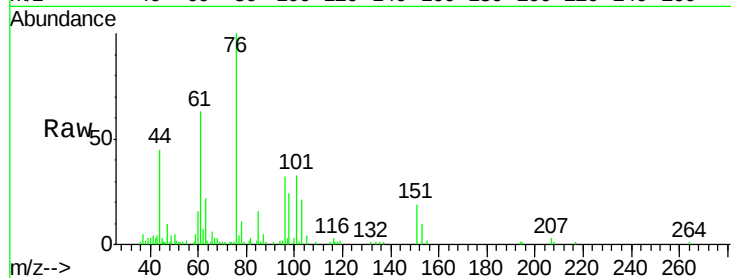
78 11.3 7.8 11.8

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#18

Methyl Acetate

Concen: 23.32 ug/l m

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059208.D

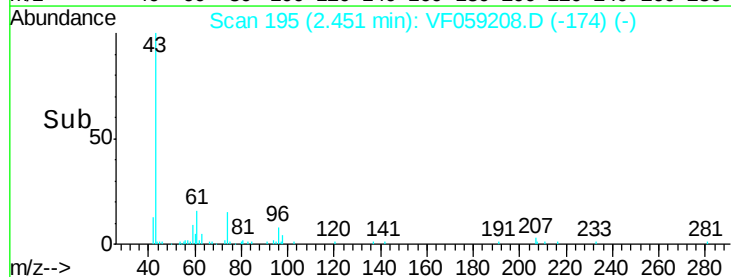
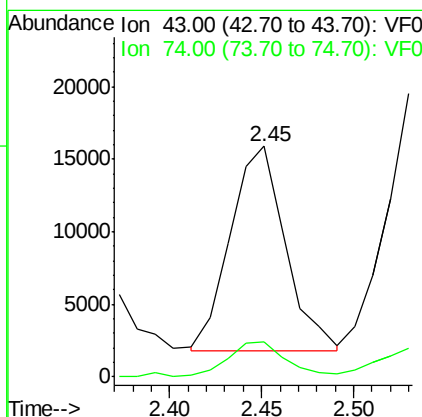
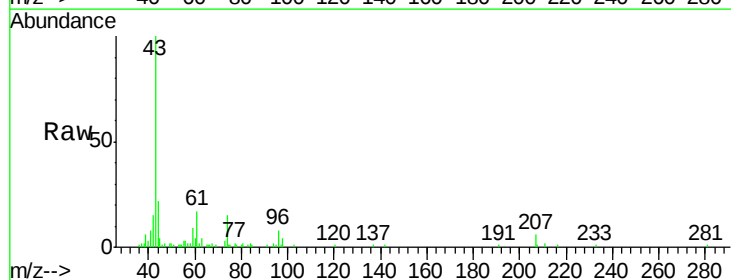
Acq: 20 Jun 2018 2:07

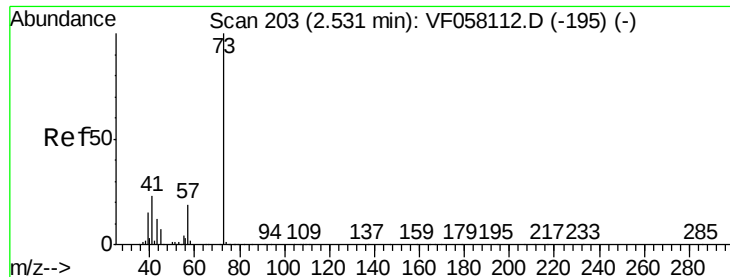
Tgt Ion: 43 Resp: 29739

Ion Ratio Lower Upper

43 100

74 15.2 10.9 16.3





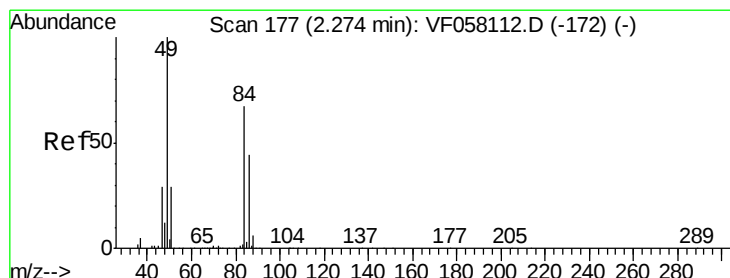
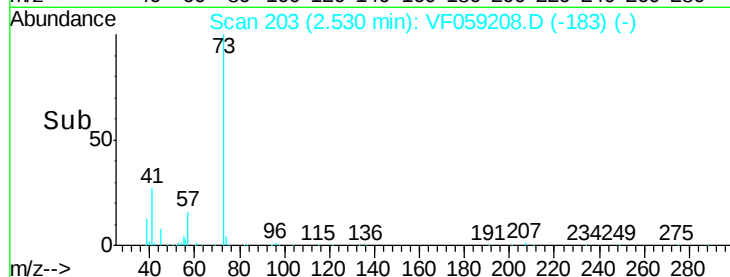
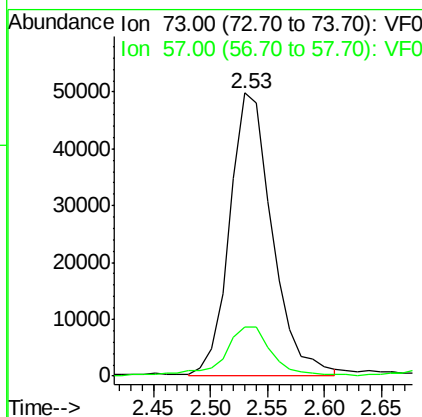
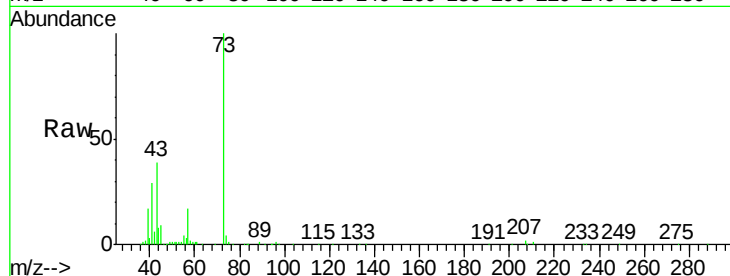
#19
Methvl tert-butvl Ether
Concen: 24.42 ug/l m
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.3	15.0	22.4

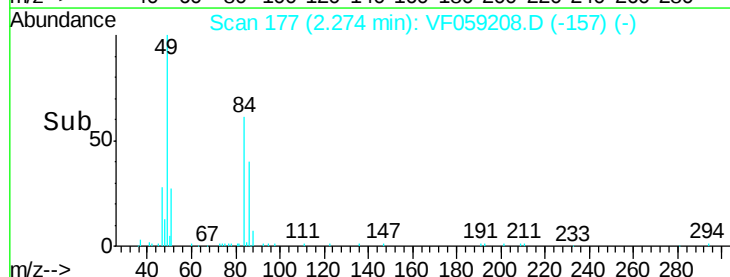
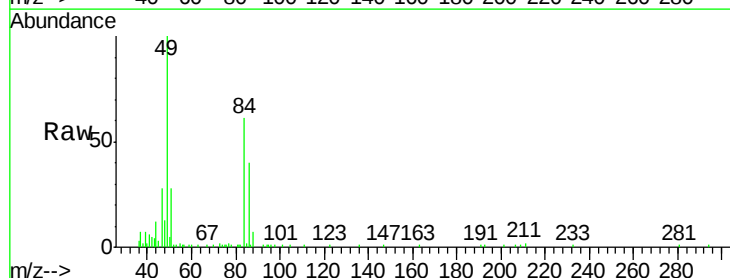
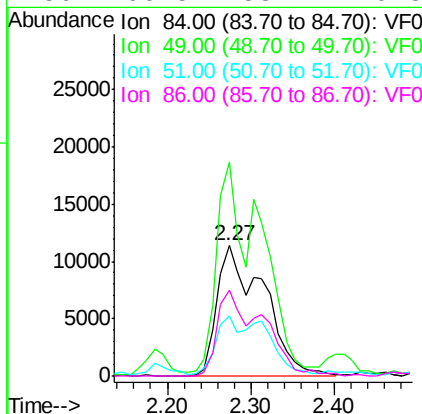
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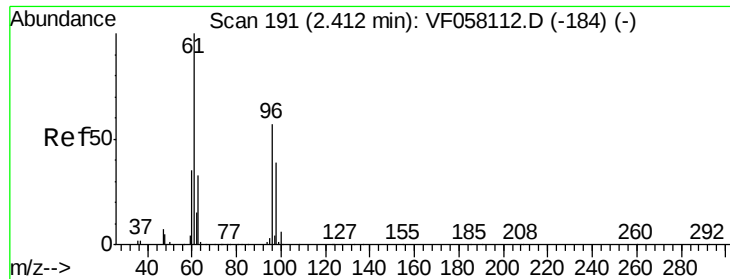
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#20
Methylene Chloride
Concen: 24.80 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	164.3	121.0	181.4
51	46.4	35.8	53.6
86	66.5	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 21.63 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

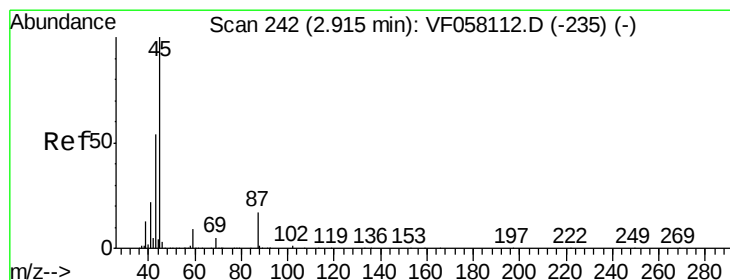
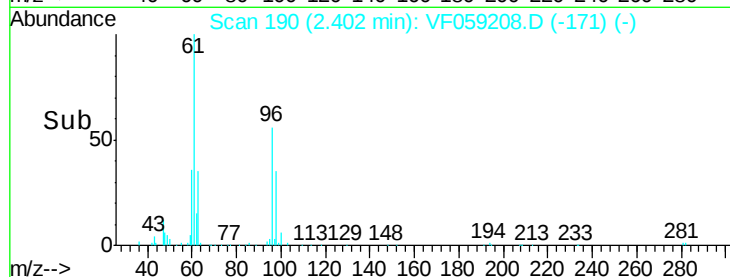
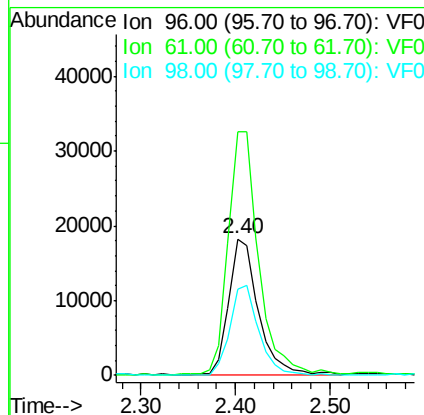
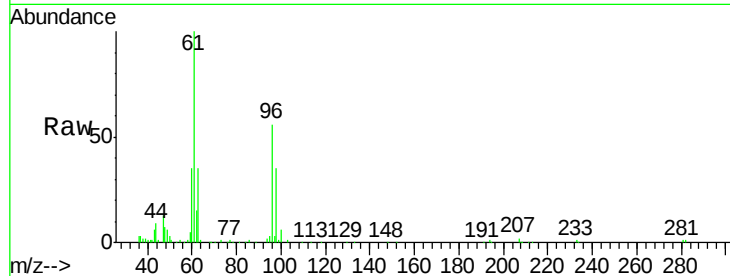
ClientSampleId :

VF0619SBS02

Tot Ion:	96	Resp:	40033
Ion	Ratio	Lower	Upper
96	100		
61	178.2	139.4	209.2
98	62.9	54.0	81.0

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#22

Diisopropyl ether

Concen: 23.67 ug/l

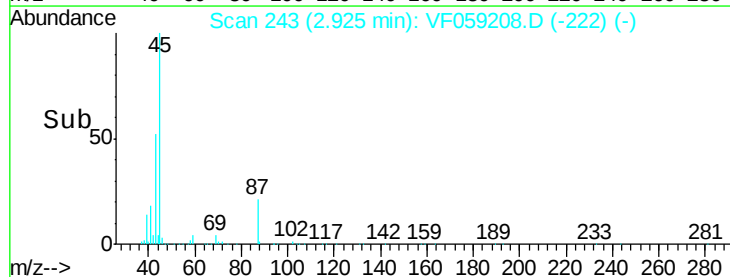
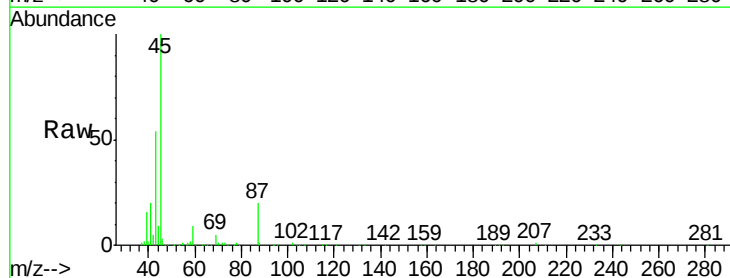
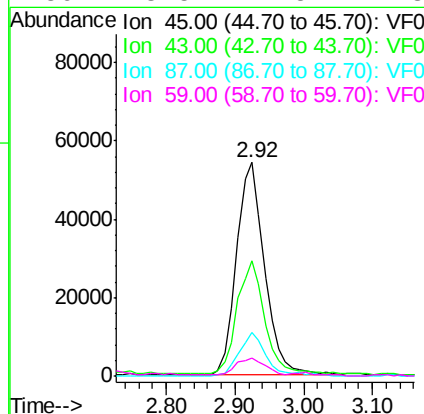
RT: 2.92 min Scan# 243

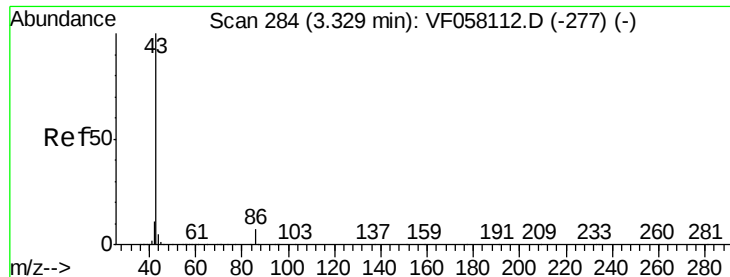
Delta R.T. 0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	45	Resp:	154176
Ion	Ratio	Lower	Upper
45	100		
43	53.7	43.2	64.8
87	20.5	13.8	20.6
59	8.5	7.5	11.3





#23

Vinyl Acetate

Concen: 118.60 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059208.D

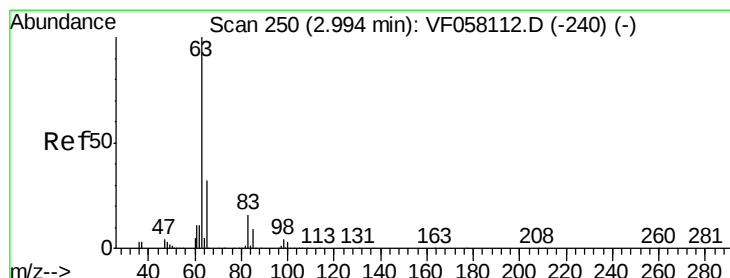
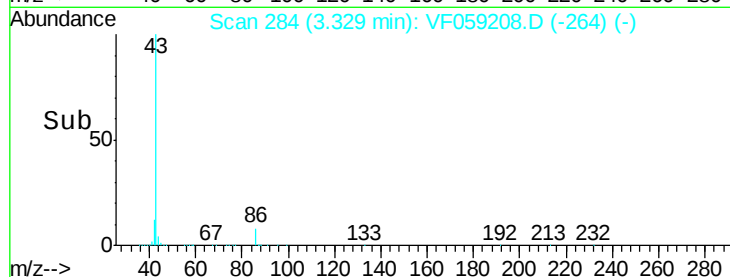
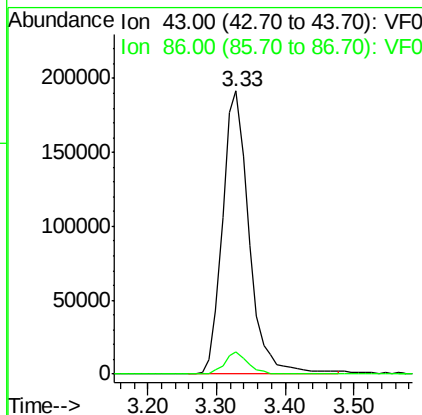
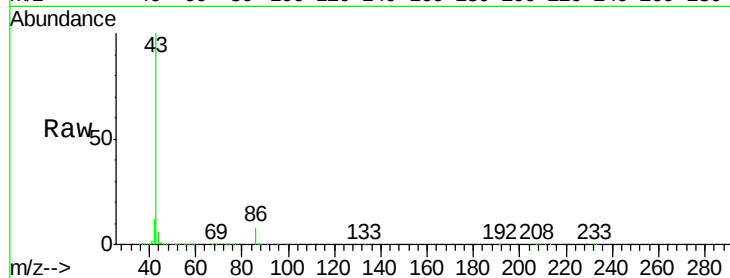
Acq: 20 Jun 2018 2:07

Tot Ion:	43	Resp:	509255
Ion Ratio	Lower	Upper	
43	100		
86	7.7	6.0	9.0

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

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#24

1,1-Dichloroethane

Concen: 23.30 ug/l

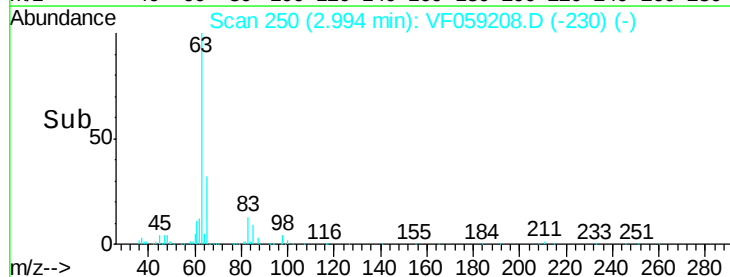
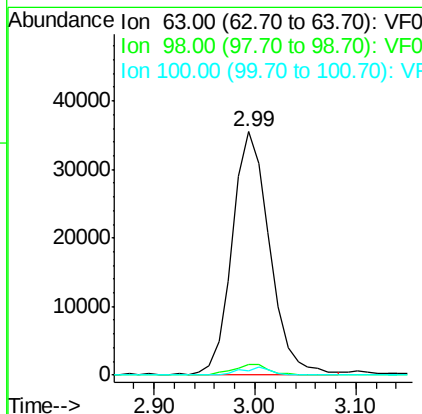
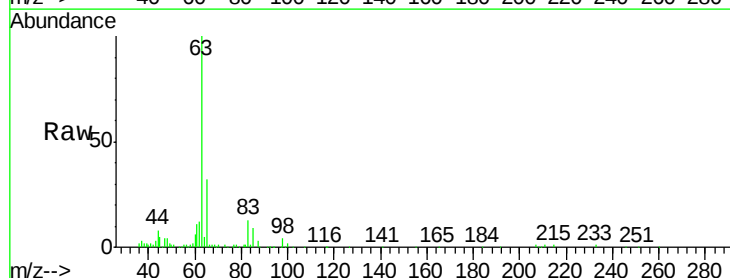
RT: 2.99 min Scan# 250

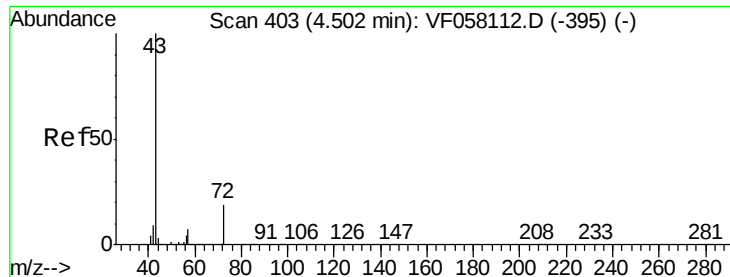
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	63	Resp:	92009
Ion Ratio	Lower	Upper	
63	100		
98	4.3	2.0	6.0
100	1.8	1.4	4.0





#25

2-Butanone

Concen: 105.45 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tot Ion: 43 Resp: 121270

Ion Ratio Lower Upper

43 100

72 19.4 16.1 24.1

Instrument :

MSVOA_F

ClientSampleId :

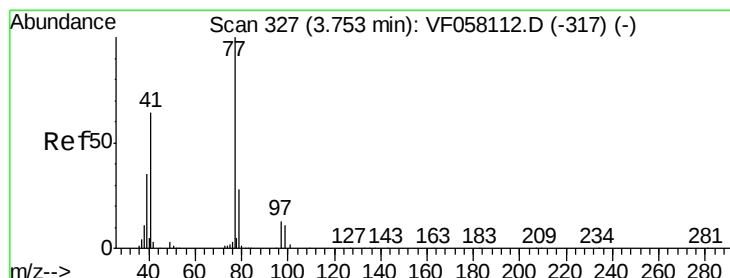
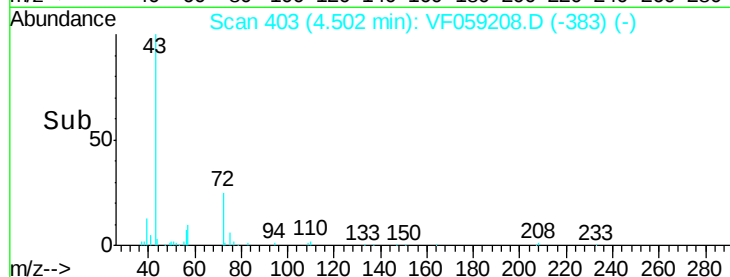
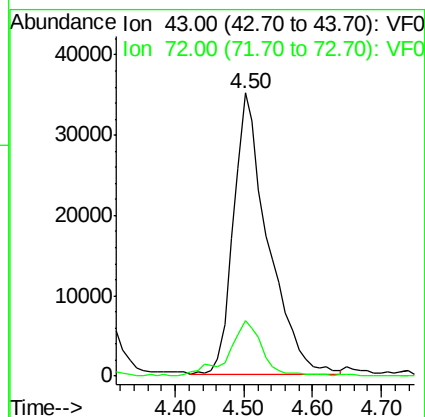
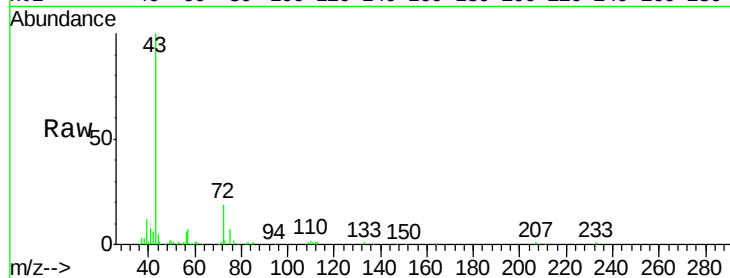
VF0619SBS02

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#26

2,2-Dichloropropane

Concen: 19.87 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059208.D

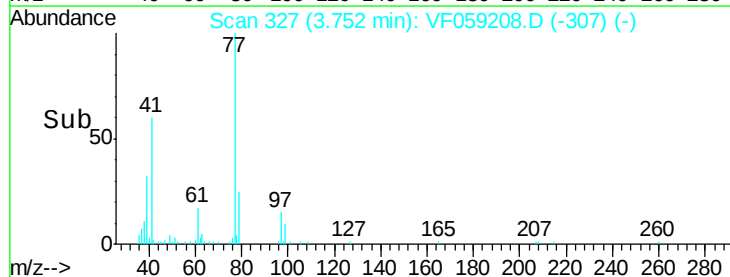
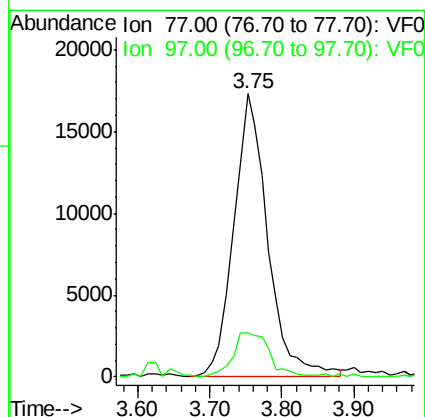
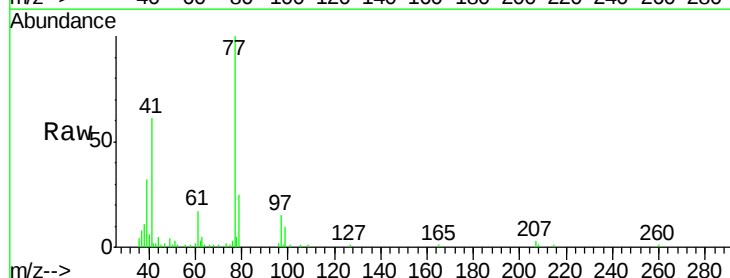
Acq: 20 Jun 2018 2:07

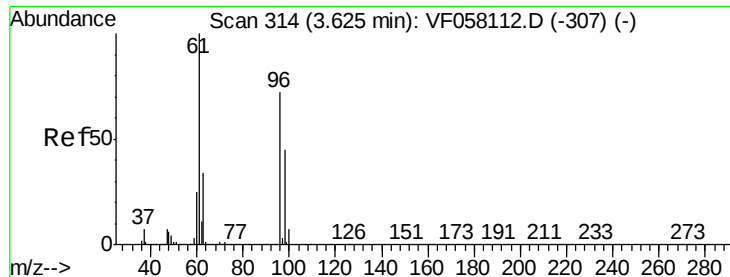
Tgt Ion: 77 Resp: 56925

Ion Ratio Lower Upper

77 100

97 15.4 7.2 21.6





#27

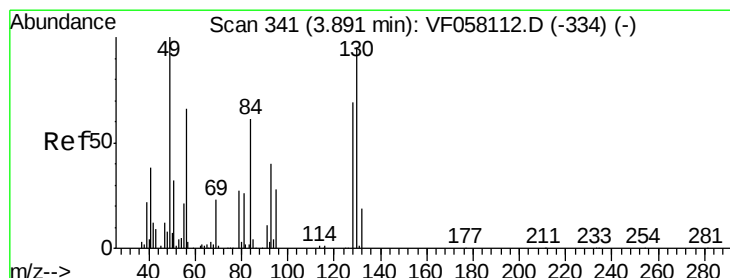
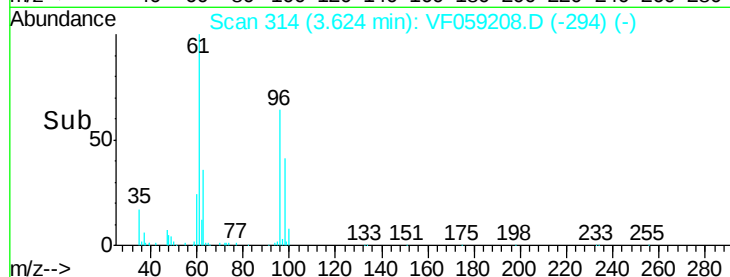
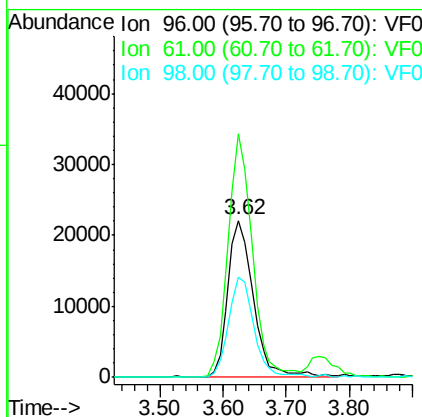
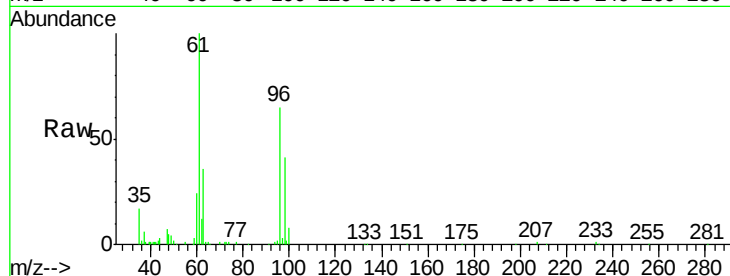
cis-1,2-Dichloroethene
Concen: 21.92 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	62455		
61	154.9		0.0	278.6
98	63.8		0.0	125.2

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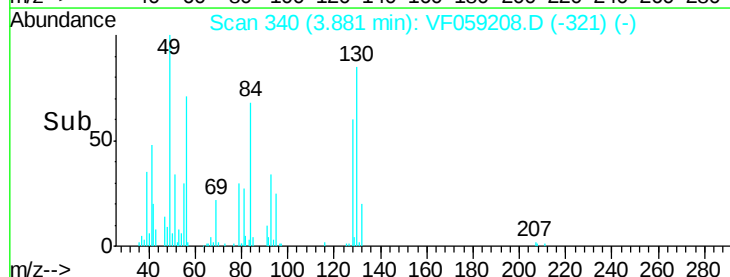
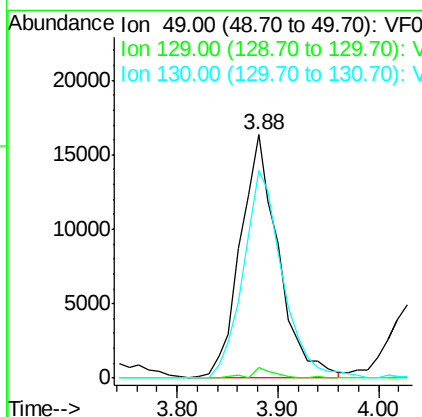
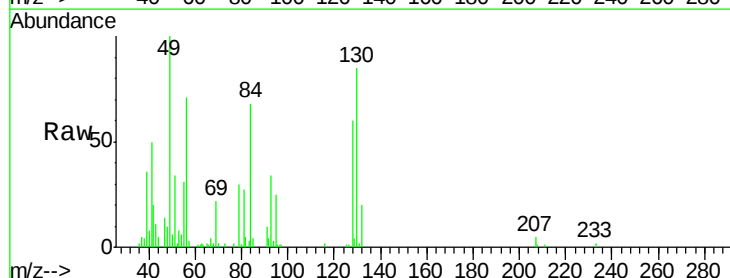
apatel
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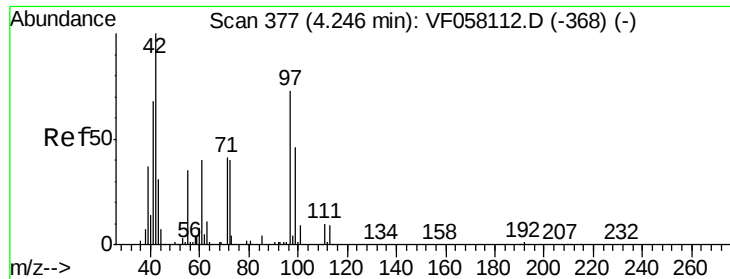


#28

Bromochloromethane
Concen: 24.22 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	43038		
129	4.2		0.0	0.0#
130	85.4		75.8	113.8





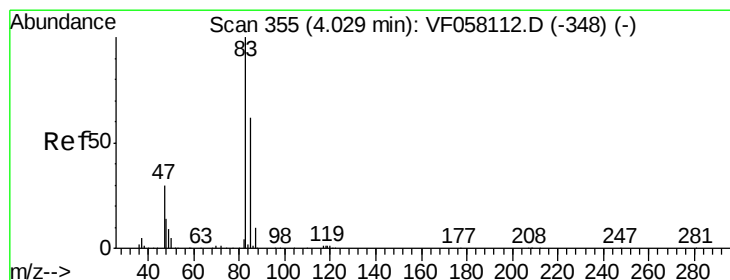
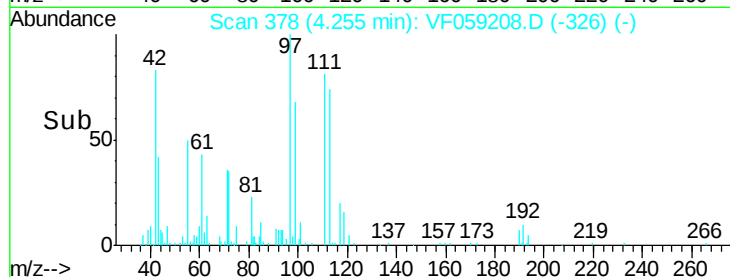
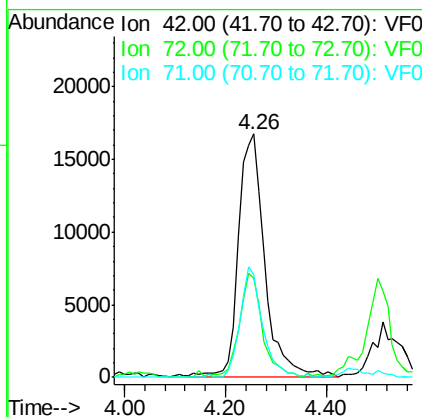
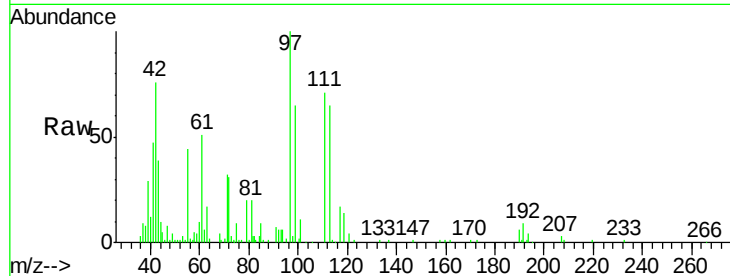
#29
Tetrahydrofuran
Concen: 119.39 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	30.5	45.7
71	38.4	31.5	47.3

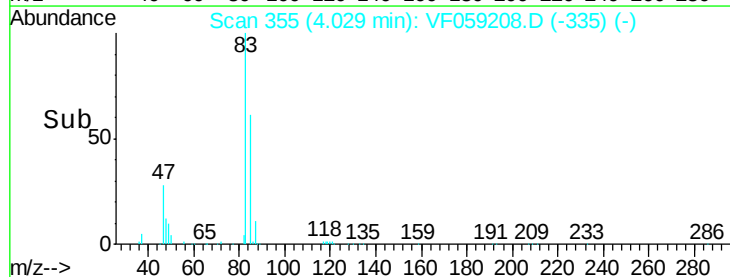
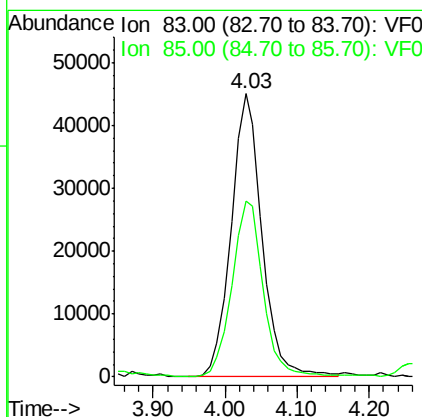
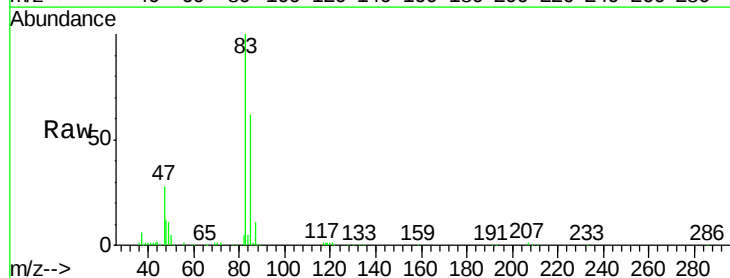
Manual Integrations
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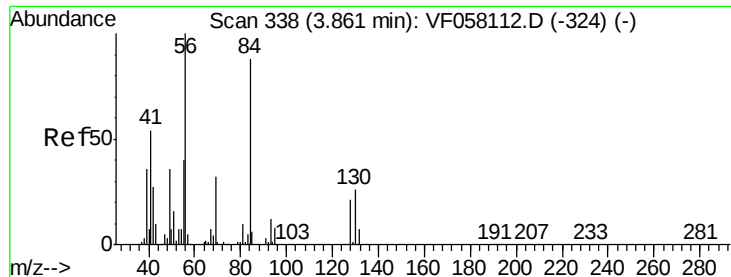
apatel
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#30
Chloroform
Concen: 23.65 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.5	74.3





#31

Cyclohexane

Concen: 19.47 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

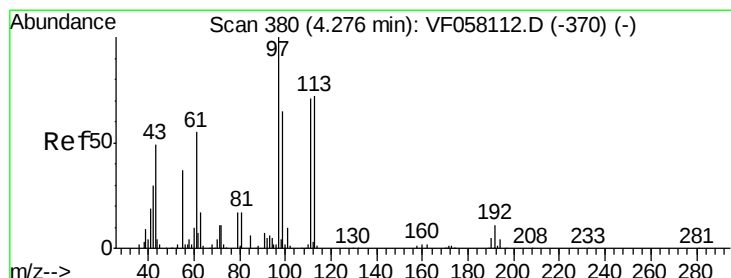
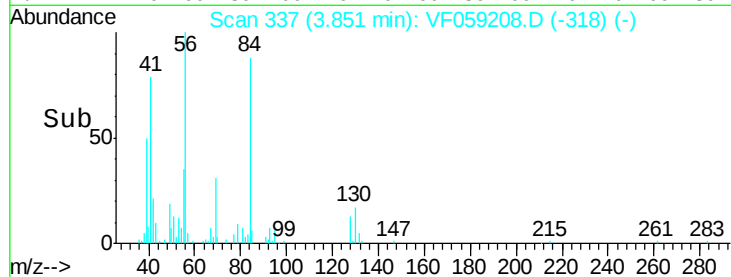
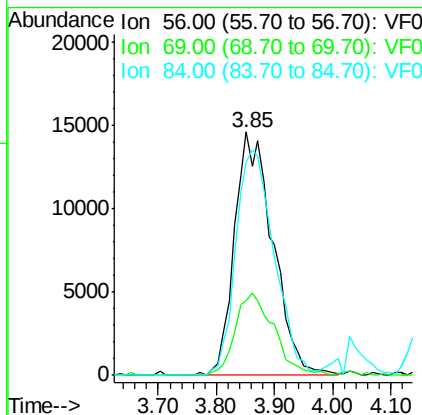
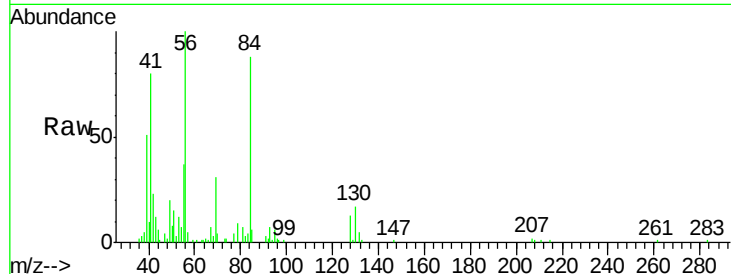
ClientSampleId :

VF0619SBS02

Tot Ion:	56	Resp:	67161
Ion Ratio	Lower	Upper	
56	100		
69	30.7	25.9	38.9
84	87.6	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.02 ug/l

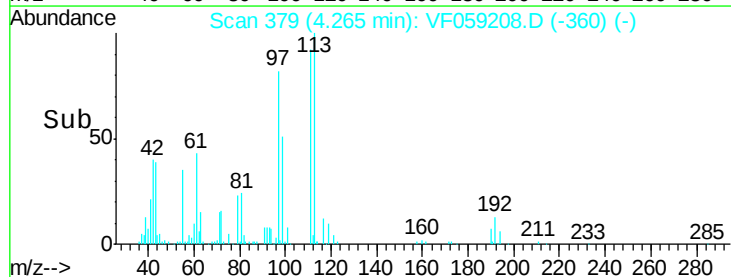
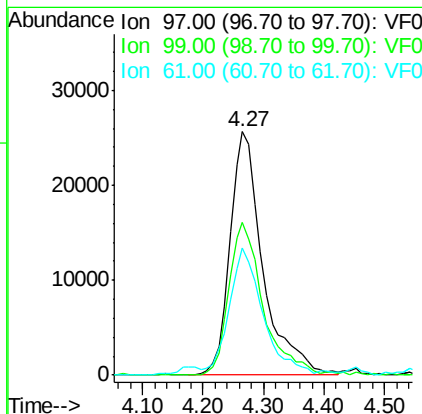
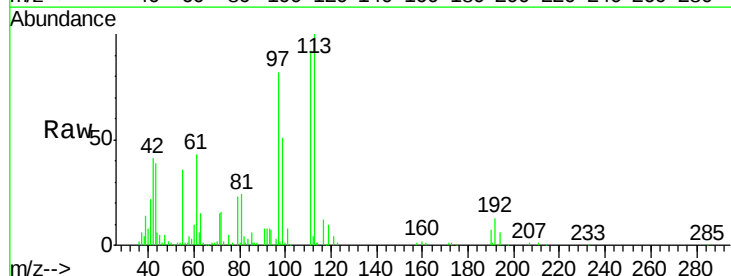
RT: 4.27 min Scan# 379

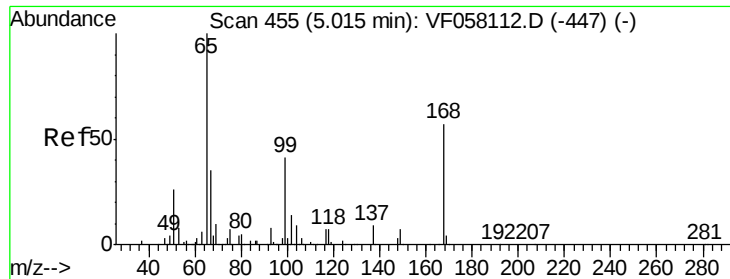
Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	97	Resp:	97056
Ion Ratio	Lower	Upper	
97	100		
99	62.7	52.0	78.0
61	52.1	44.3	66.5





#33

1,2-Dichloroethane-d4

Concen: 56.25 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tot Ion: 65 Resp: 174737

Ion Ratio Lower Upper

65 100

67 49.0 0.0 97.0

Instrument :

MSVOA_F

ClientSampleId :

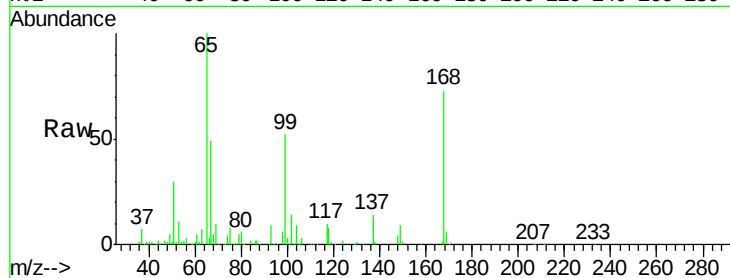
VF0619SBS02

Manual Integrations

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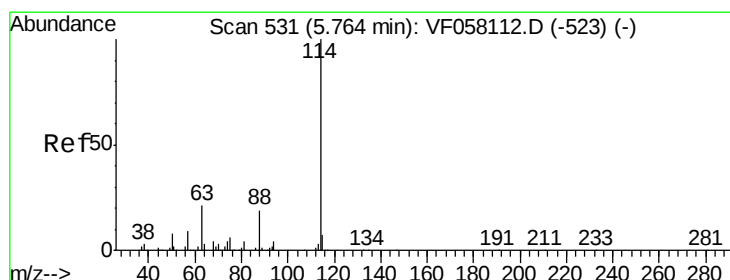
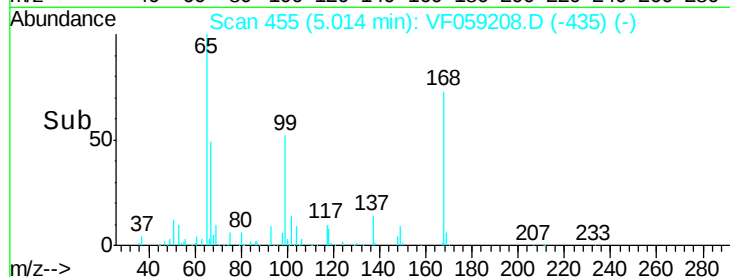
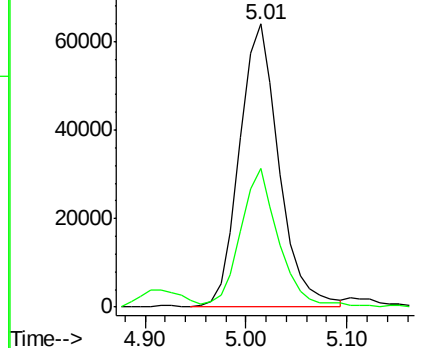
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

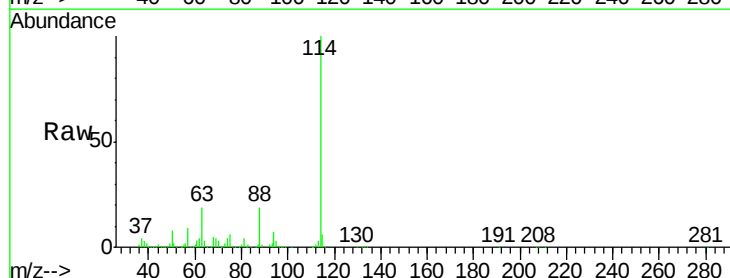
Tgt Ion: 114 Resp: 407548

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.6

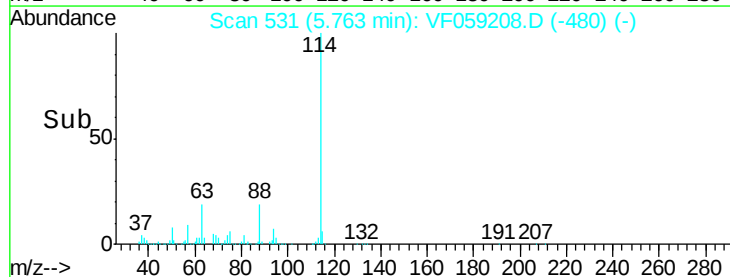
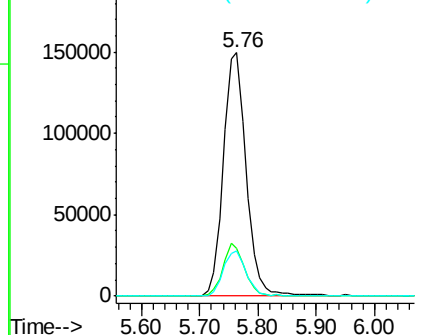
88 18.6 0.0 38.8

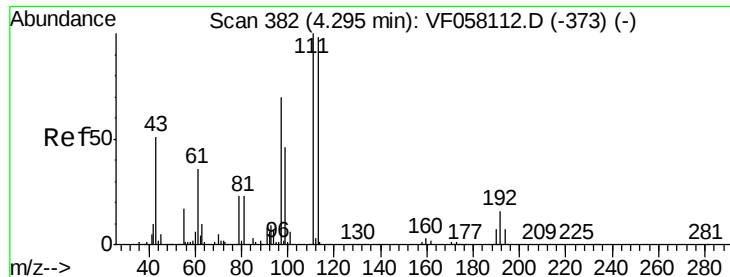


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





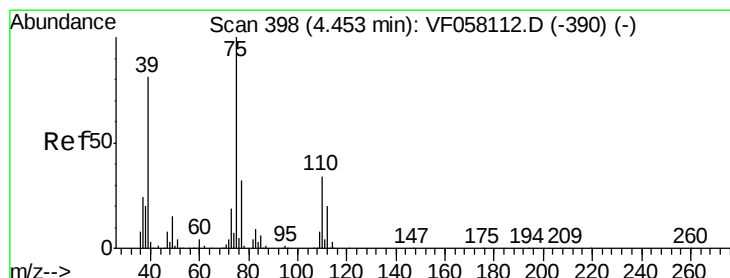
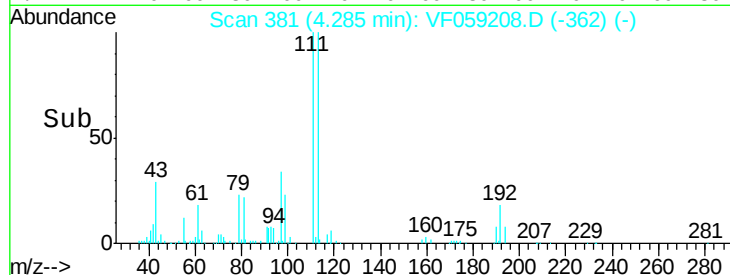
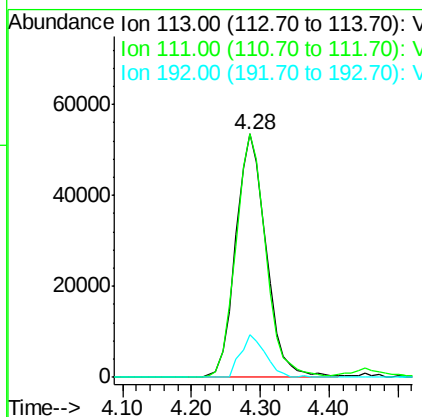
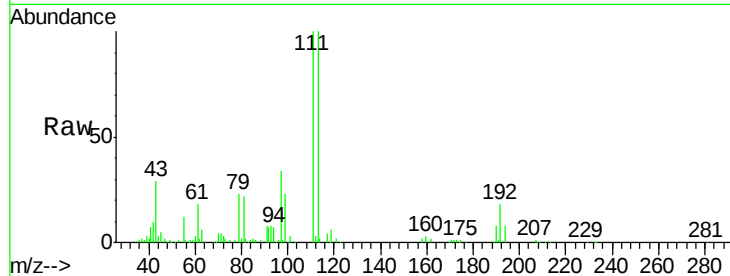
#35
 Dibromofluoromethane
 Concen: 57.08 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163231		
111	99.9	81.3	121.9	
192	17.7	12.7	19.1	

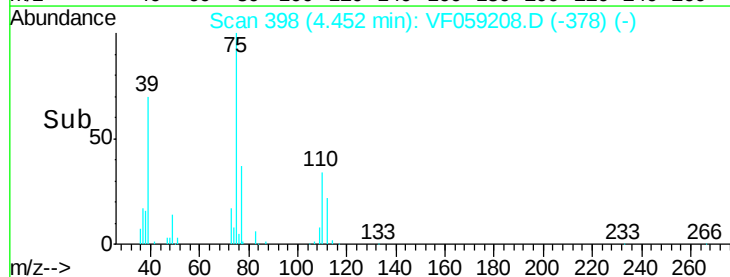
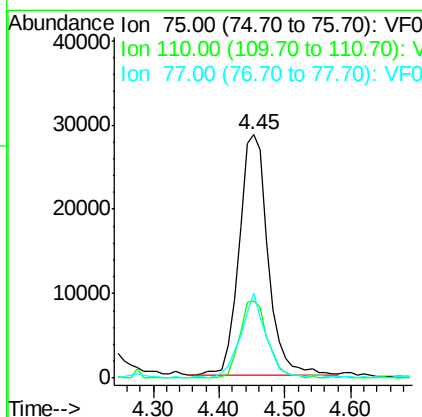
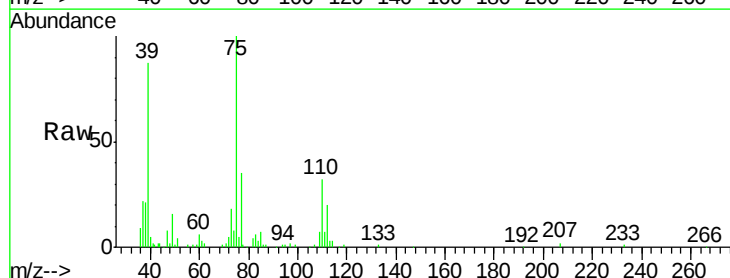
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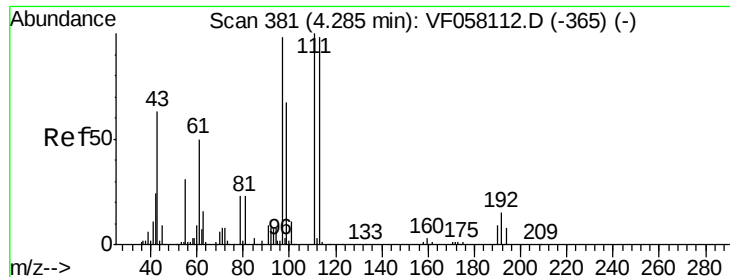
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#36
 1,1-Dichloropropene
 Concen: 22.04 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	87065		
110	31.6	17.0	50.9	
77	34.9	25.3	37.9	





#37

Ethyl Acetate

Concen: 25.25 ug/l

RT: 4.27 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

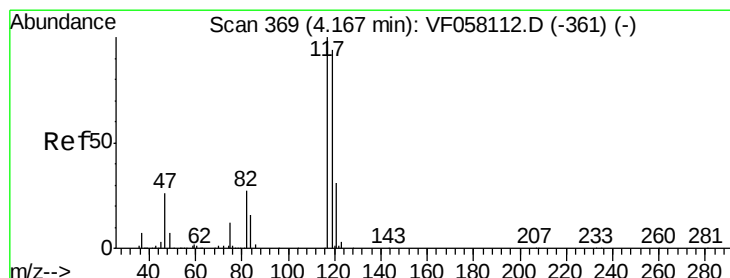
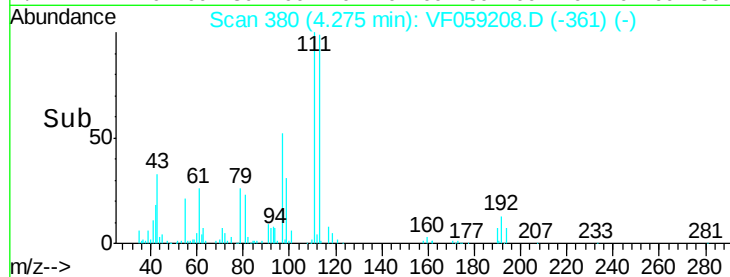
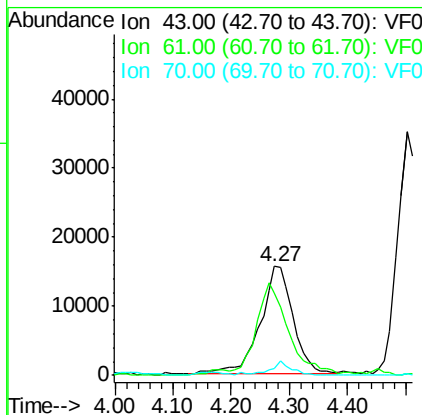
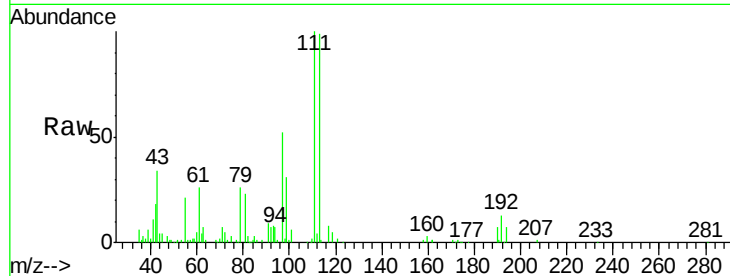
ClientSampleId :

VF0619SBS02

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	76.1	63.0	94.4			
70	6.3	7.5	11.3			

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#38

Carbon Tetrachloride

Concen: 23.69 ug/l

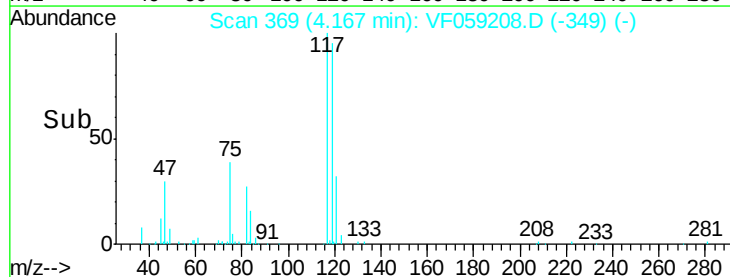
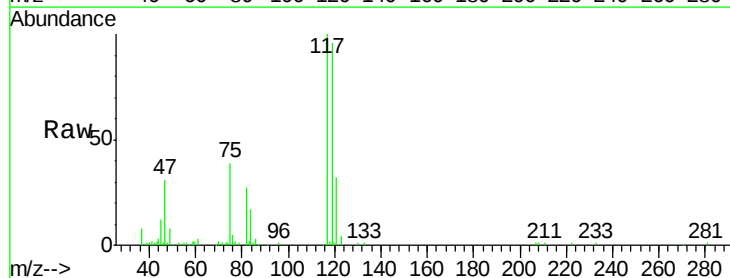
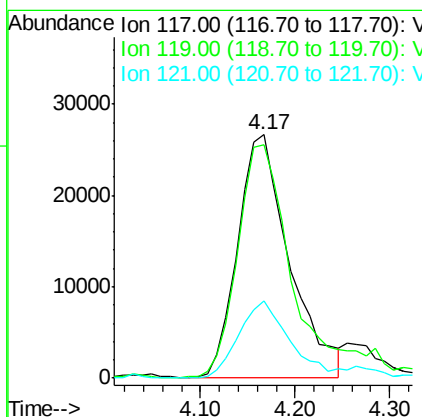
RT: 4.17 min Scan# 369

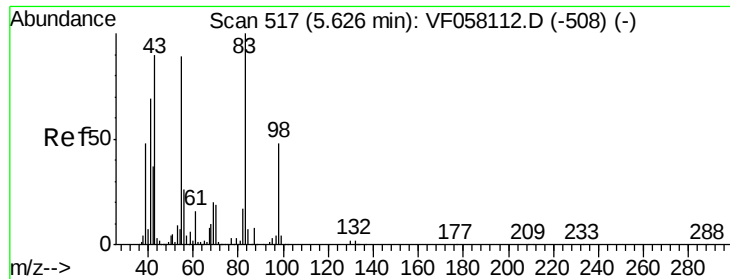
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	95.7	75.7	113.5			
121	31.9	24.8	37.2			





#39

Methylcyclohexane

Concen: 20.14 ug/l

RT: 5.62 min Scan# 516

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

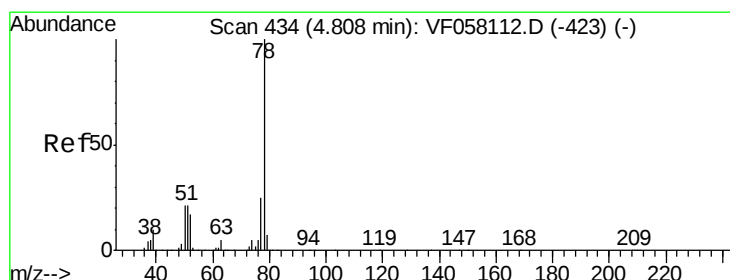
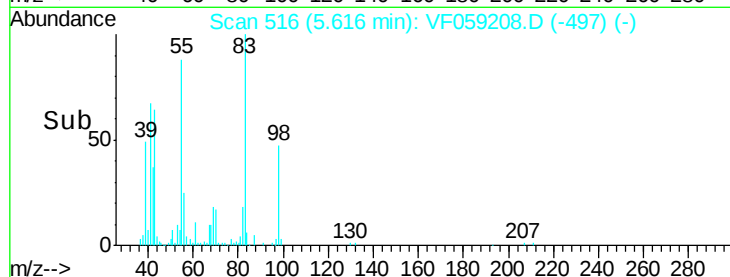
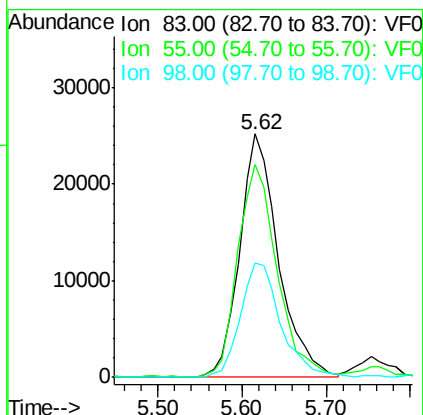
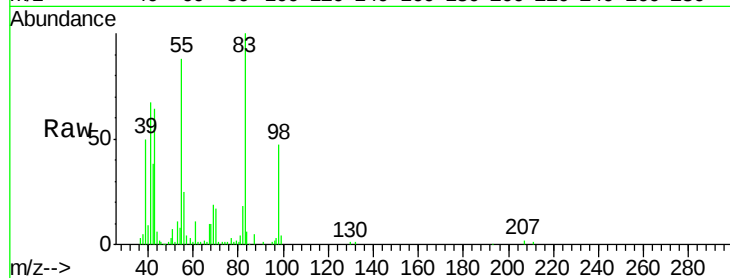
ClientSampleId :

VF0619SBS02

Tot Ion:	83	Resp:	81108
Ion	Ratio	Lower	Upper
83	100		
55	87.6	71.0	106.4
98	46.8	38.1	57.1

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#40

Benzene

Concen: 21.31 ug/l

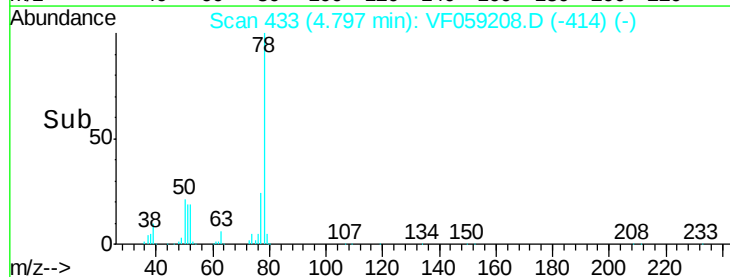
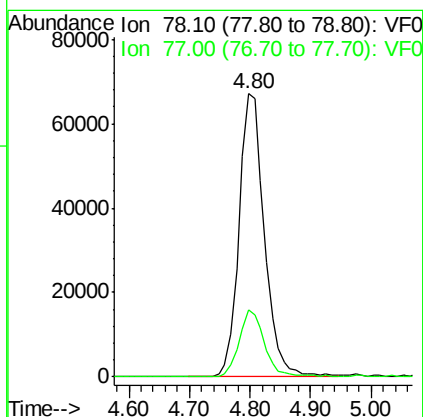
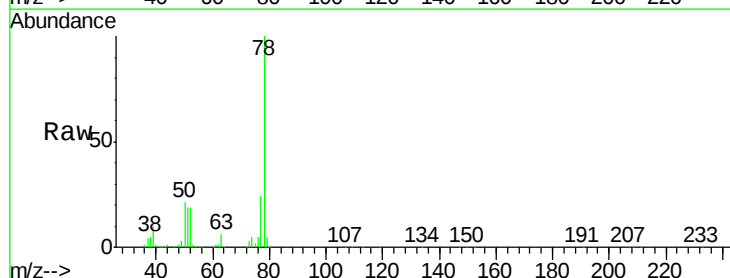
RT: 4.80 min Scan# 433

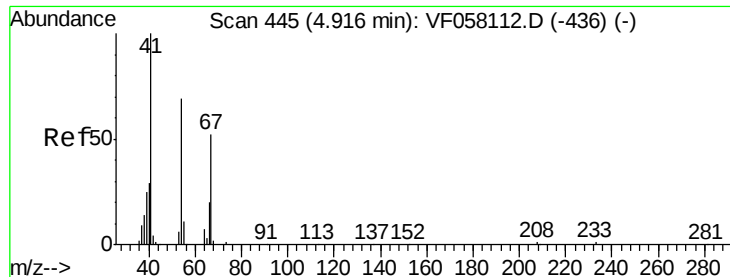
Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	78	Resp:	195385
Ion	Ratio	Lower	Upper
78	100		
77	23.7	20.2	30.2





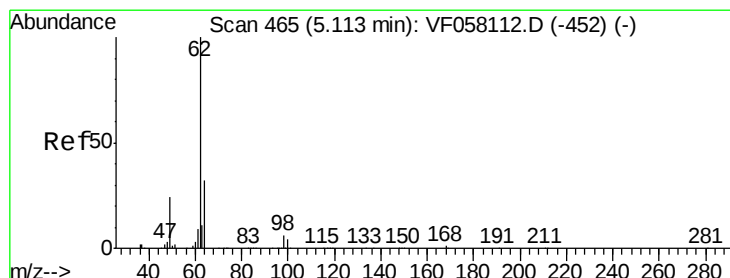
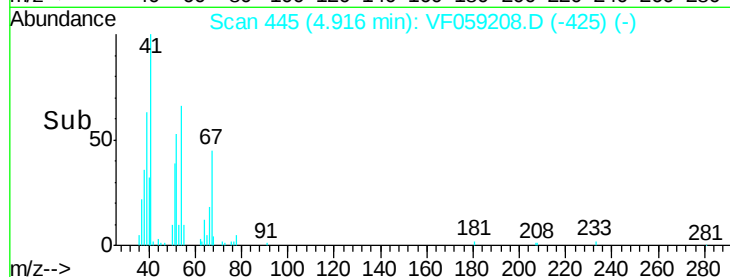
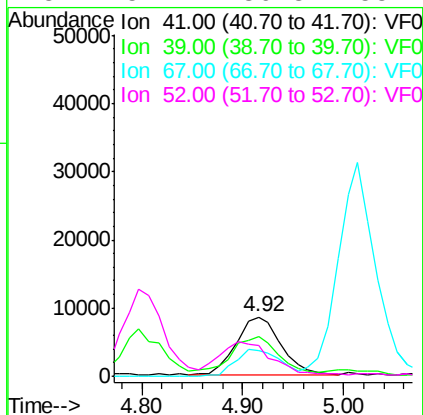
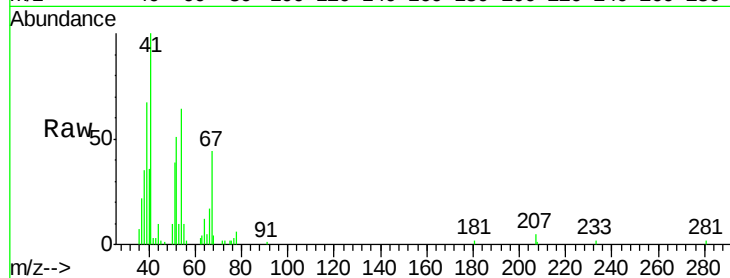
#41
Methacrylonitrile
Concen: 21.80 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.5	53.0	79.4
67	44.1	41.0	61.6
52	51.4	36.8	55.2

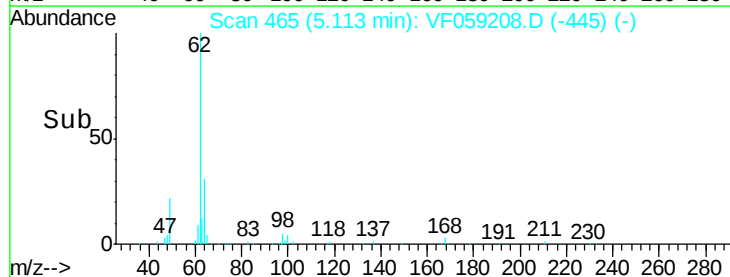
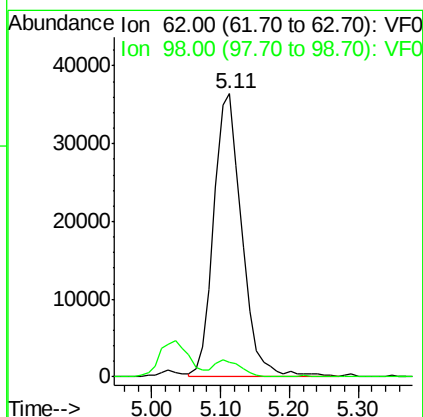
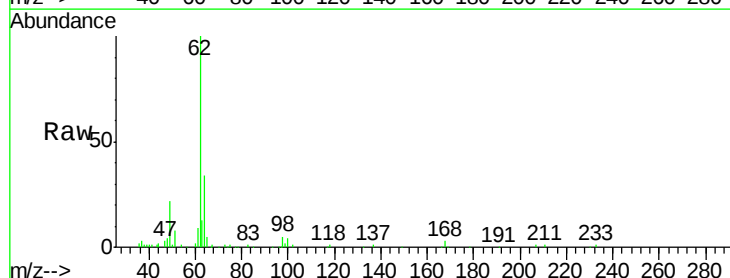
Manual Integrations
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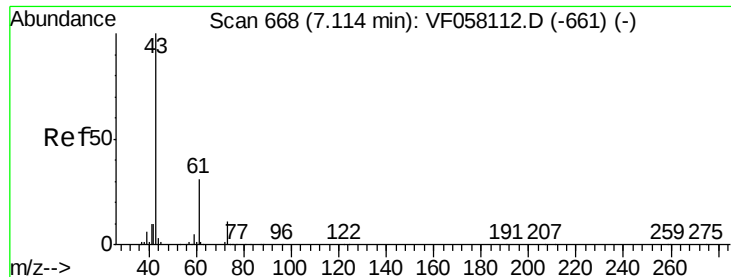
apatel
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#42
1,2-Dichloroethane
Concen: 24.87 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	11.8





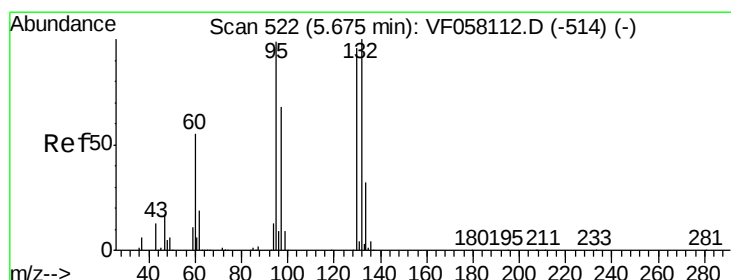
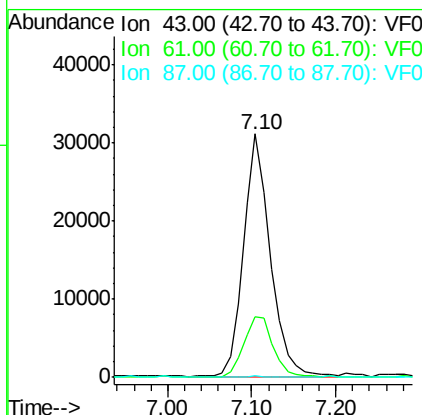
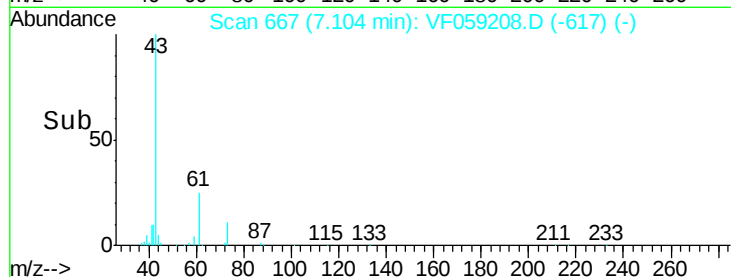
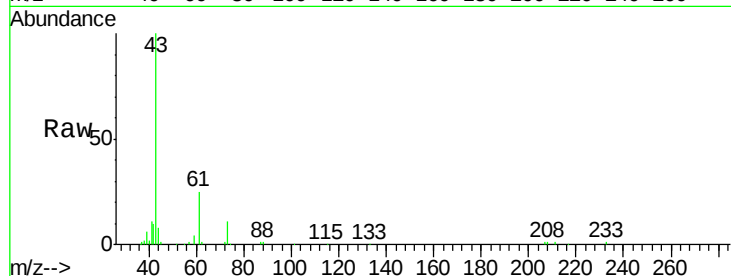
#43
Isopropyl Acetate
Concen: 21.38 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.7	25.1	37.7#
87	0.6	0.2	0.4#

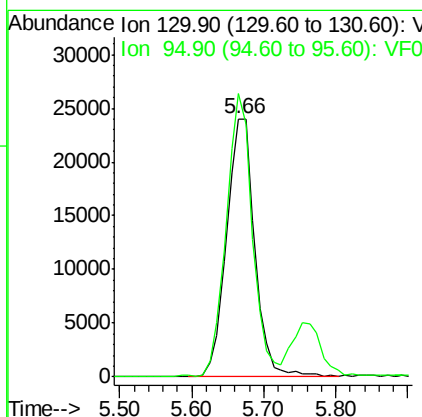
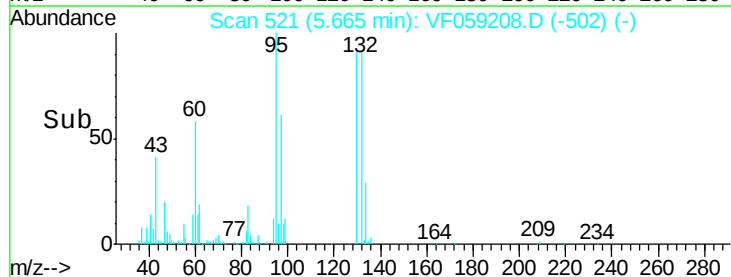
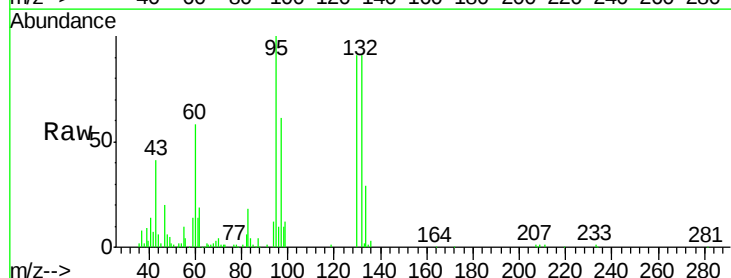
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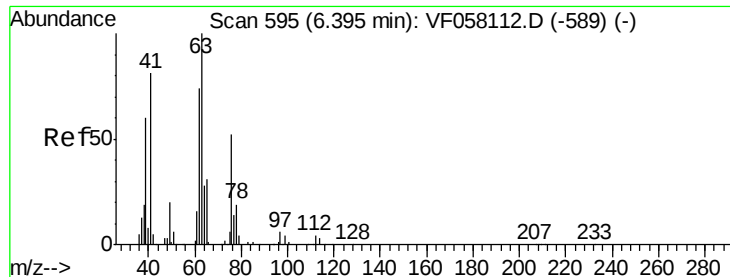
apatel
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#44
Trichloroethene
Concen: 22.86 ug/l
RT: 5.66 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.6	0.0	206.8





#45

1,2-Dichloropropane

Concen: 21.07 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 63 Resp: 55692

Ion Ratio Lower Upper

63 100

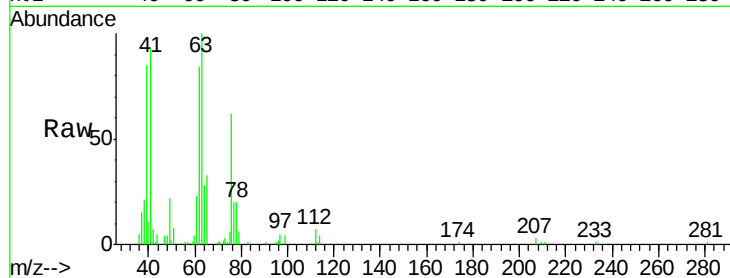
65 33.3 24.6 37.0

Manual Integrations

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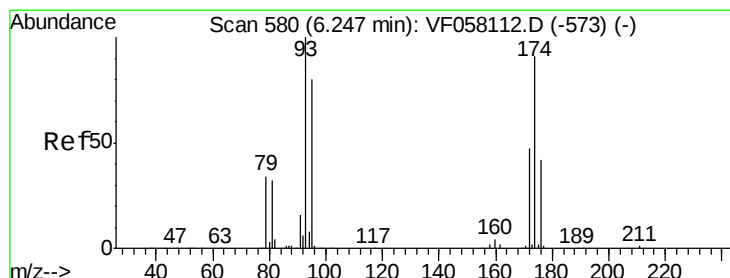
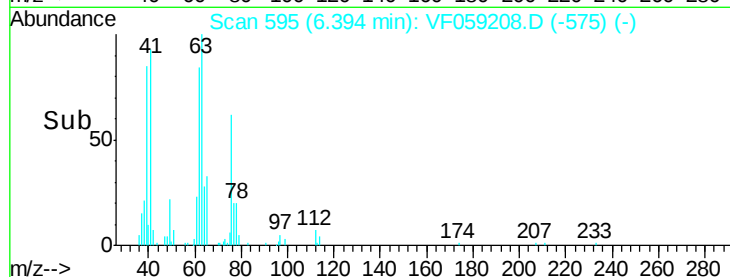
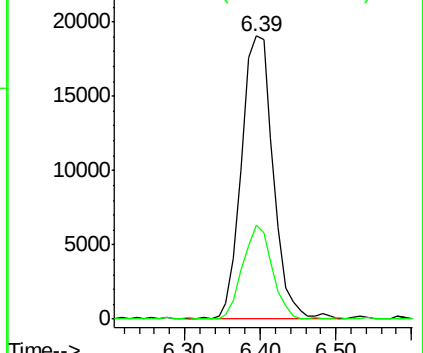
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.81 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

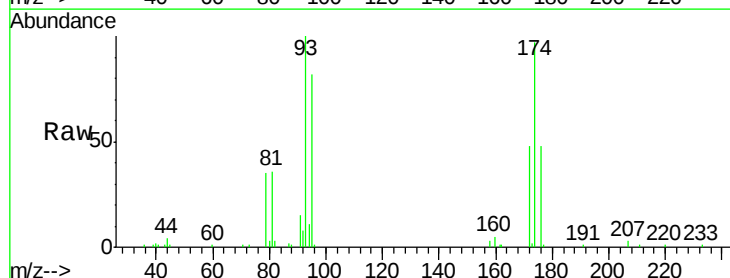
Tgt Ion: 93 Resp: 45373

Ion Ratio Lower Upper

93 100

95 81.5 64.2 96.4

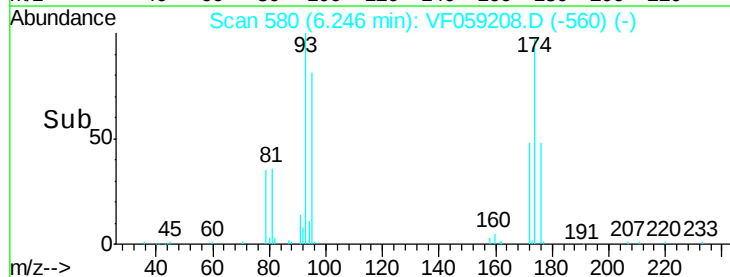
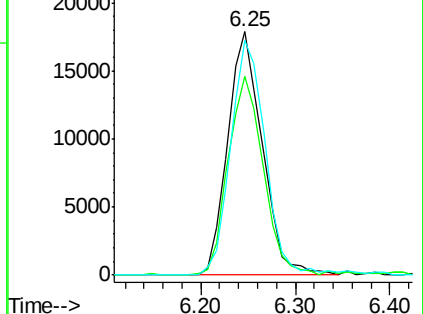
174 96.6 72.7 109.1

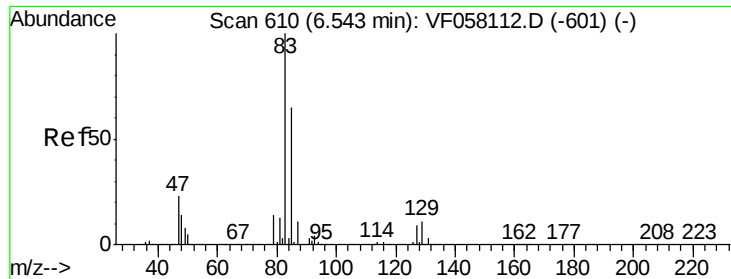


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.82 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

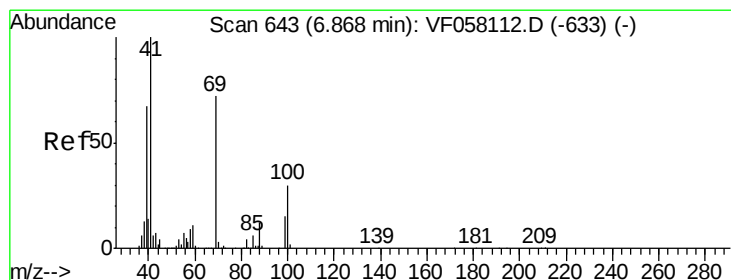
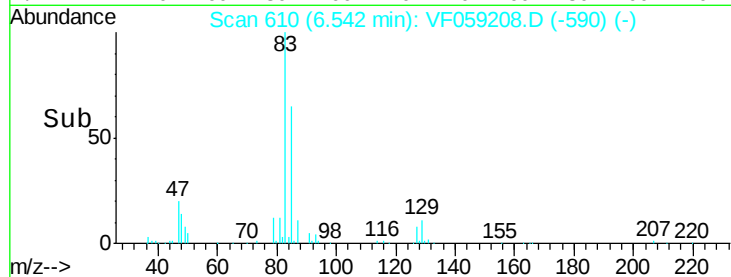
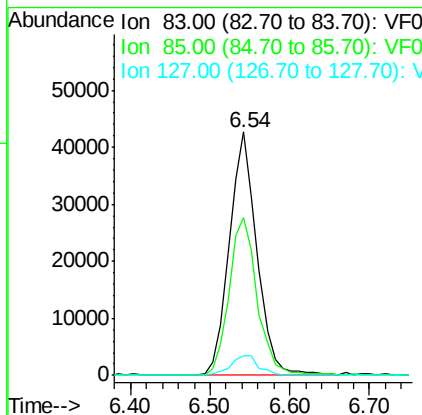
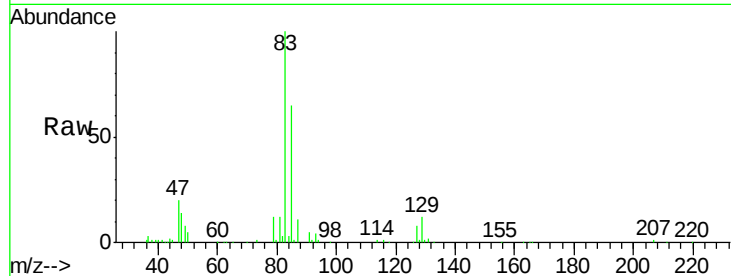
ClientSampleId :

VF0619SBS02

Tot Ion:	83	Resp:	103282
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.6	77.4
127	8.3	7.2	10.8

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#48

Methyl methacrylate

Concen: 22.02 ug/l

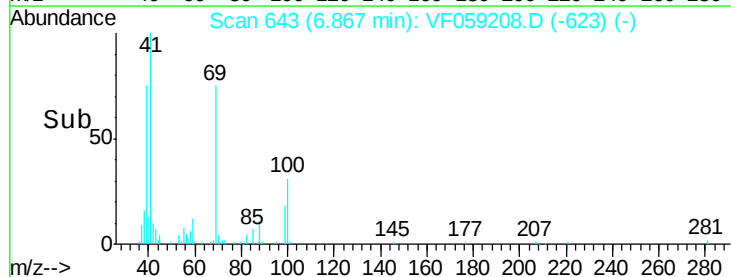
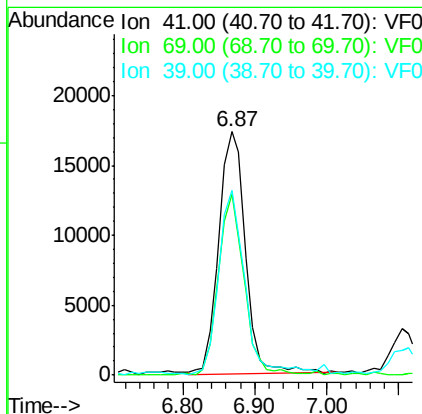
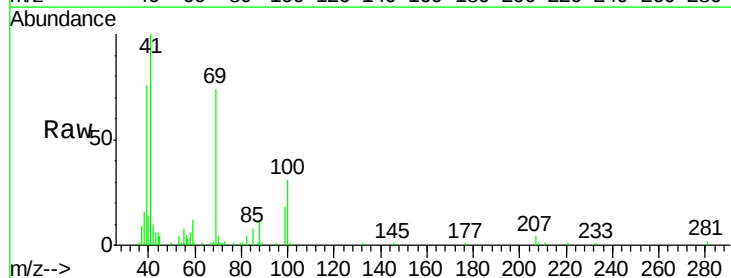
RT: 6.87 min Scan# 643

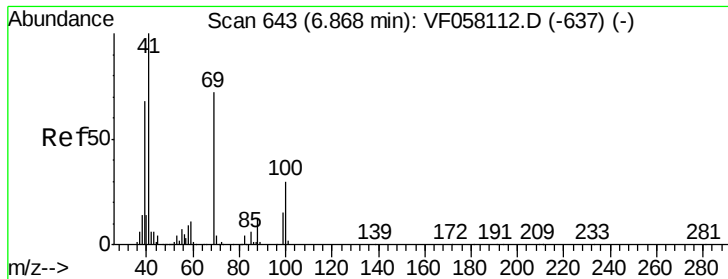
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	41	Resp:	44384
Ion Ratio	Lower	Upper	
41	100		
69	74.5	57.2	85.8
39	76.0	54.3	81.5





#49

1,4-Dioxane

Concen: 296.24 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

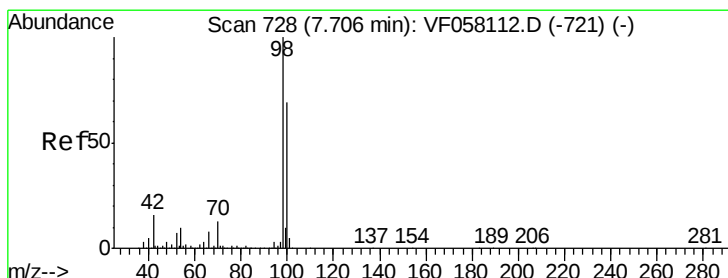
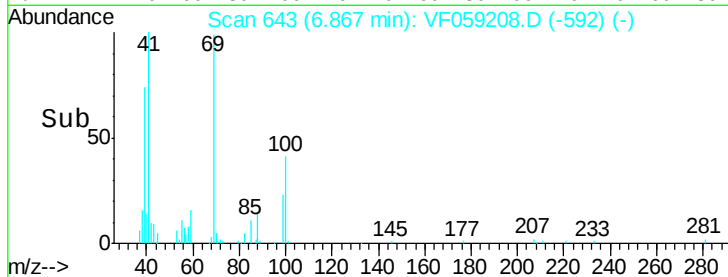
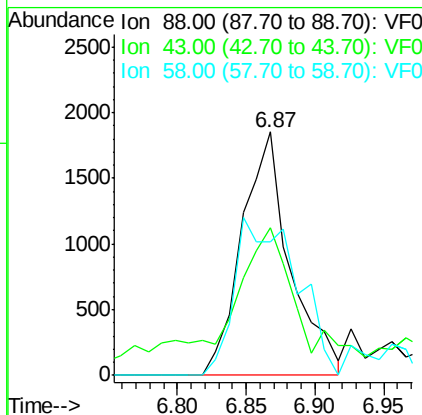
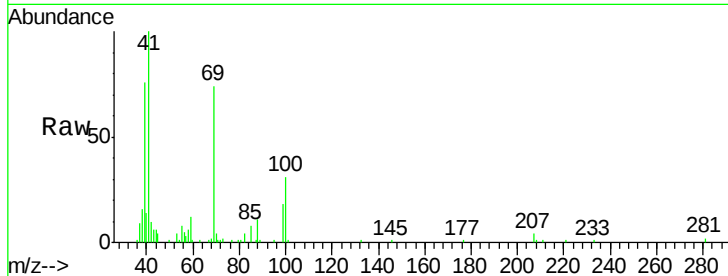
ClientSampleId :

VF0619SBS02

Tot Ion:	88	Resp:	4550
Ion	Ratio	Lower	Upper
88	100		
43	60.8	47.8	71.8
58	54.7	59.4	89.0#

Manual Integrations
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#50

Toluene-d8

Concen: 48.05 ug/l

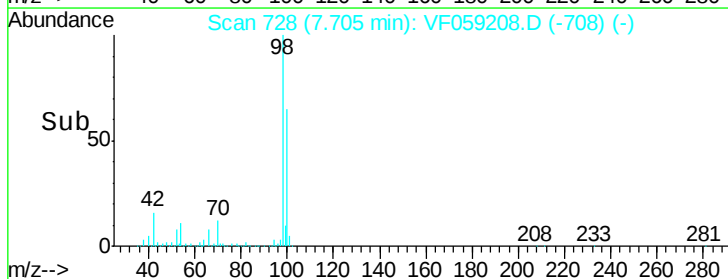
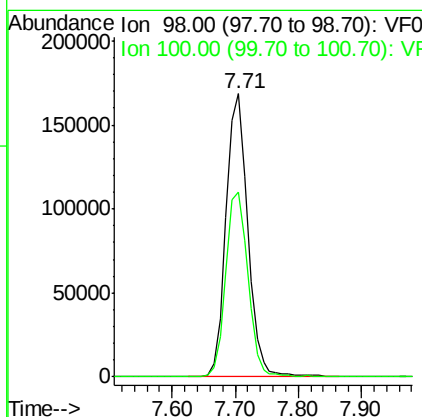
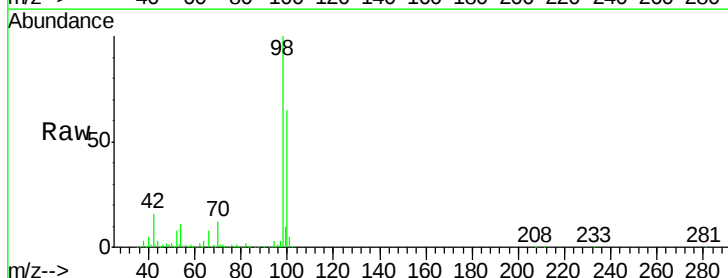
RT: 7.71 min Scan# 728

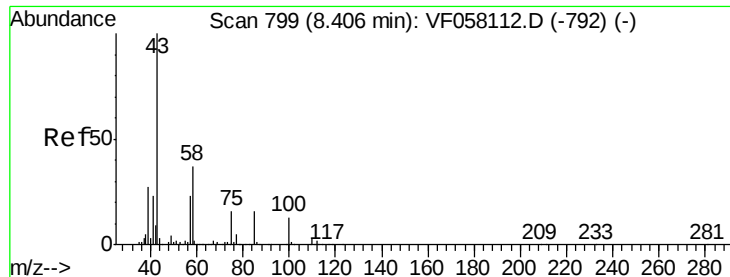
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	98	Resp:	403638
Ion	Ratio	Lower	Upper
98	100		
100	65.3	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 118.92 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 43 Resp: 266443

Ion Ratio Lower Upper

43 100

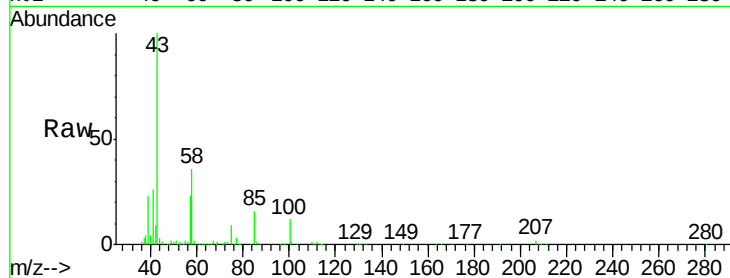
58 36.2 29.4 44.0

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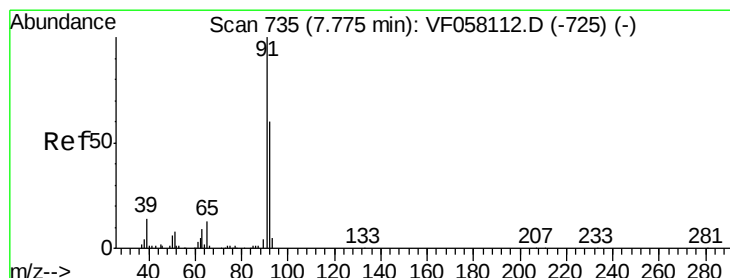
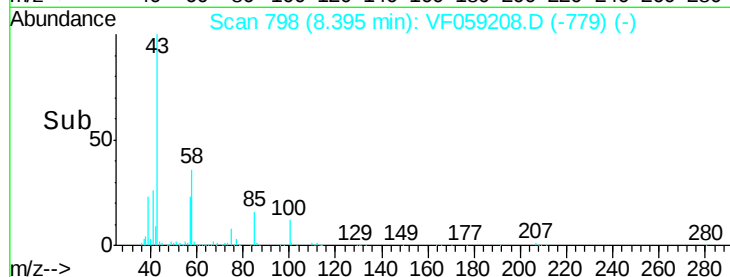
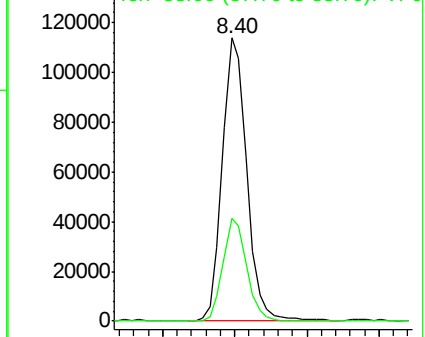
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.97 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059208.D

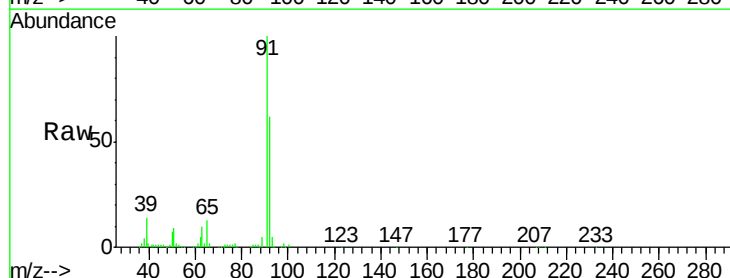
Acq: 20 Jun 2018 2:07

Tgt Ion: 92 Resp: 138475

Ion Ratio Lower Upper

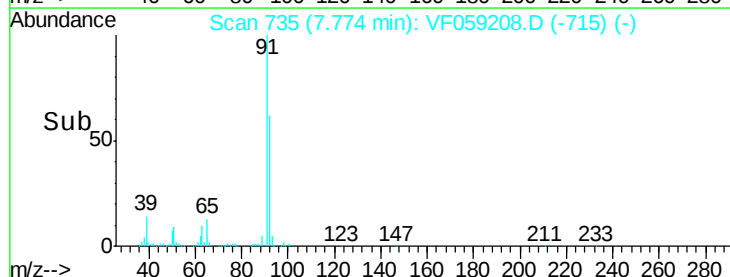
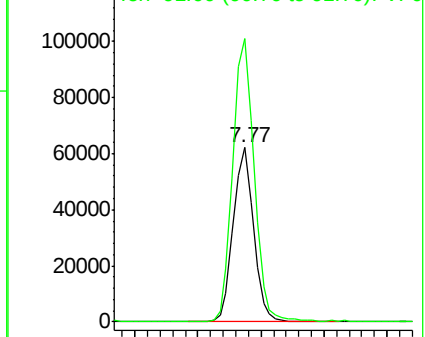
92 100

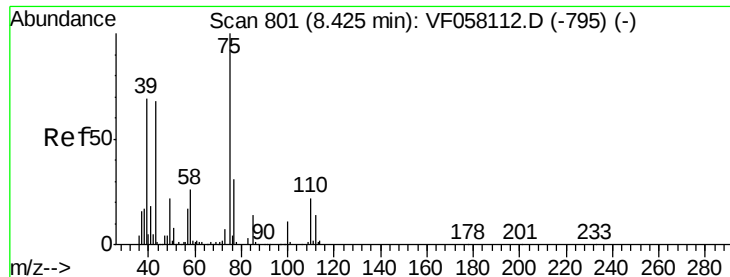
91 162.3 132.9 199.3



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: 21.87 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 75 Resp: 95854

Ion Ratio Lower Upper

75 100

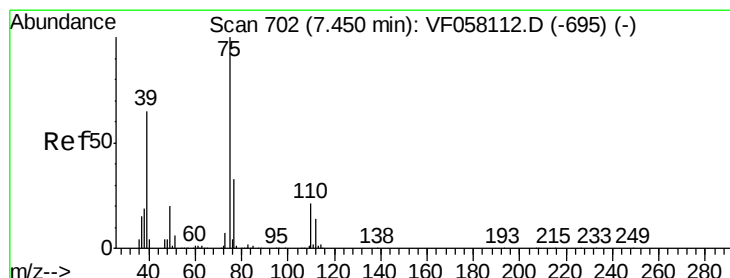
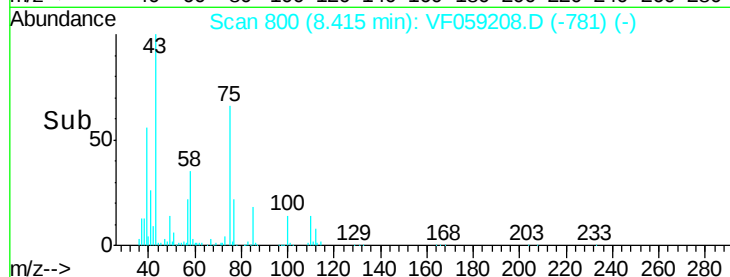
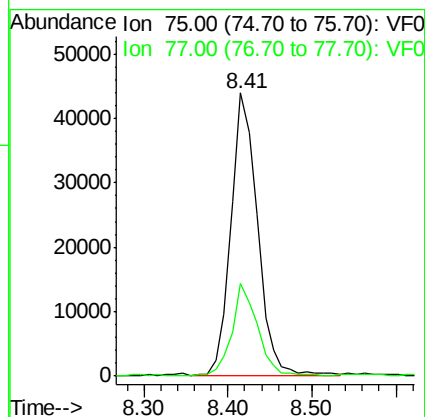
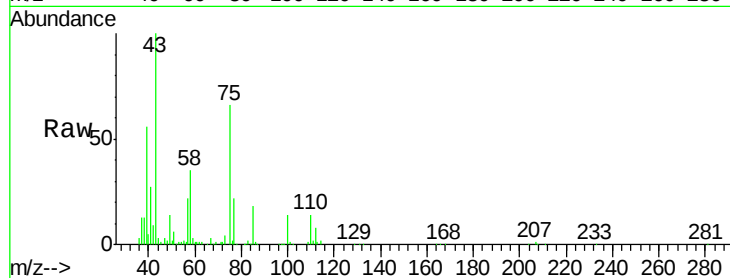
77 32.9 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 20.60 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

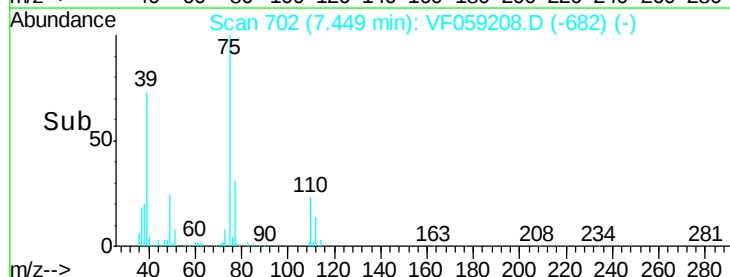
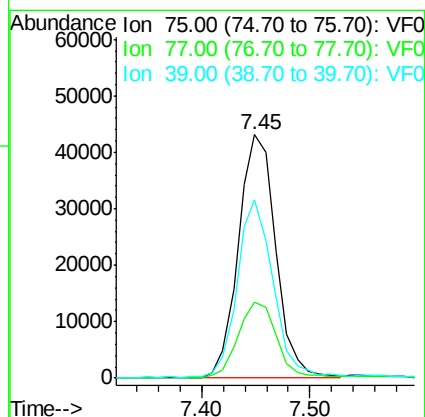
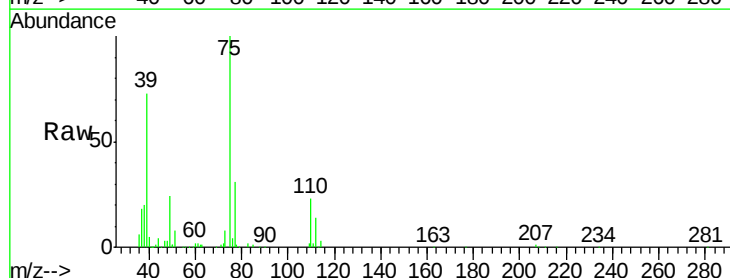
Tgt Ion: 75 Resp: 103698

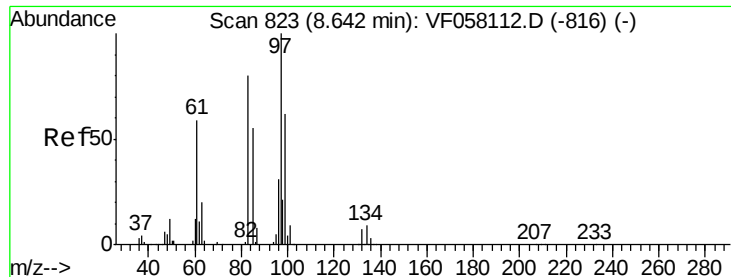
Ion Ratio Lower Upper

75 100

77 31.4 26.3 39.5

39 73.5 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 22.68 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

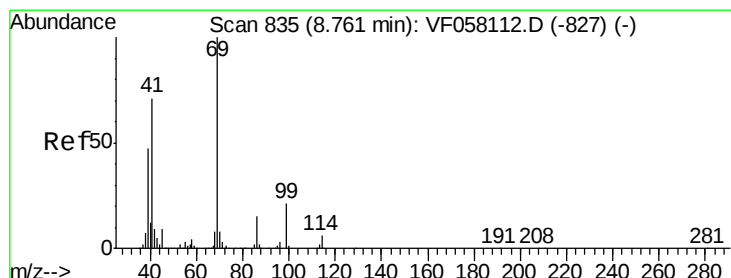
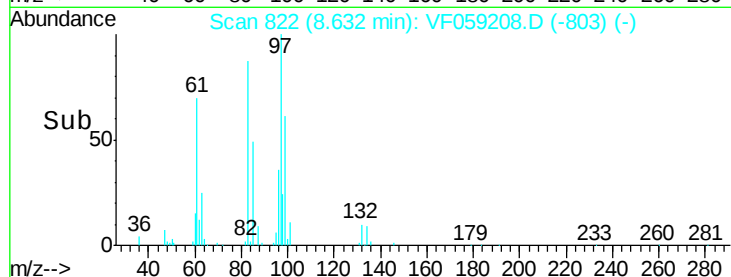
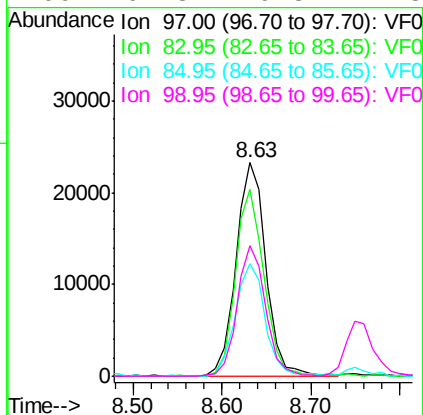
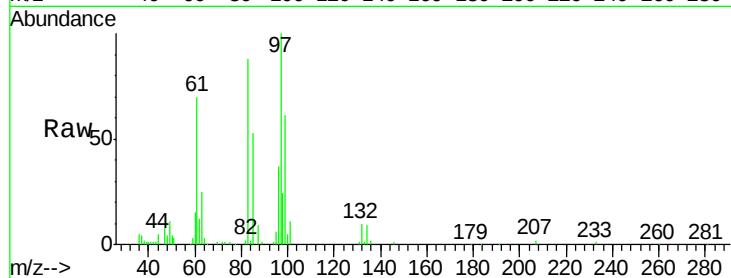
ClientSampleId :

VF0619SBS02

Tot Ion:	97	Resp:	54269
Ion	Ratio	Lower	Upper
97	100		
83	87.7	64.3	96.5
85	52.6	43.8	65.8
99	61.3	49.8	74.8

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#56

Ethyl methacrylate

Concen: 20.37 ug/l

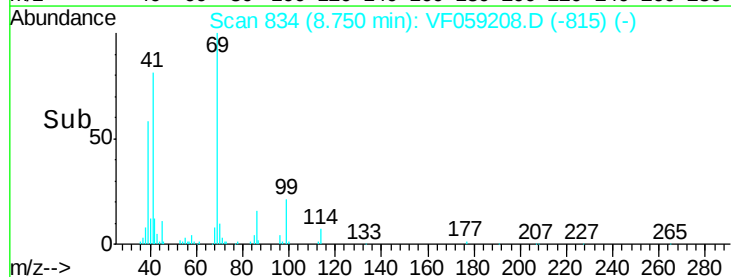
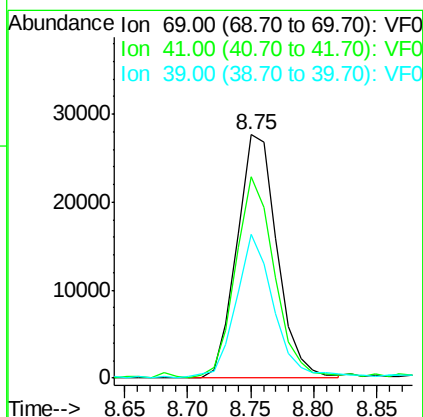
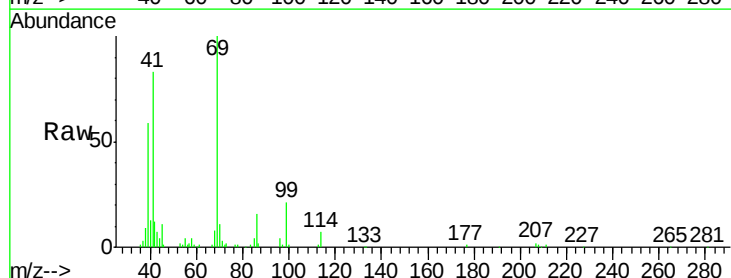
RT: 8.75 min Scan# 834

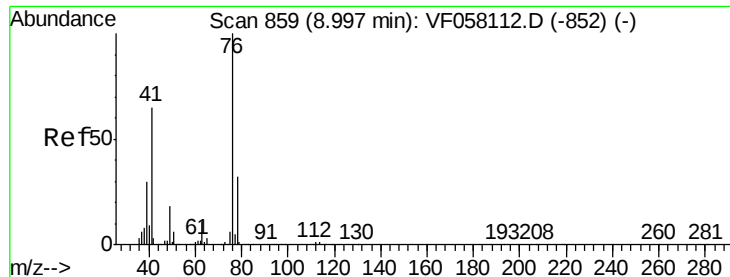
Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	69	Resp:	61444
Ion	Ratio	Lower	Upper
69	100		
41	82.5	56.9	85.3
39	59.0	38.0	57.0#





#57

1,3-Dichloropropane

Concen: 23.87 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 76 Resp: 97738

Ion Ratio Lower Upper

76 100

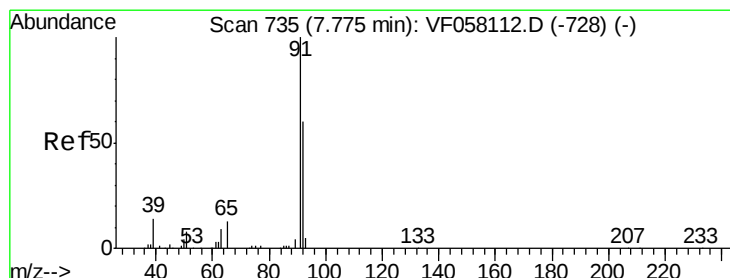
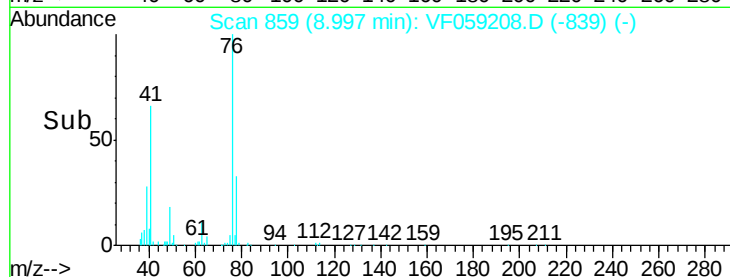
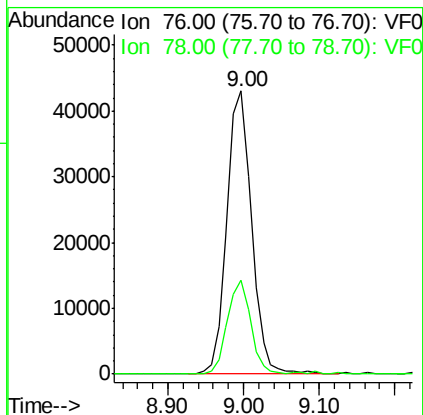
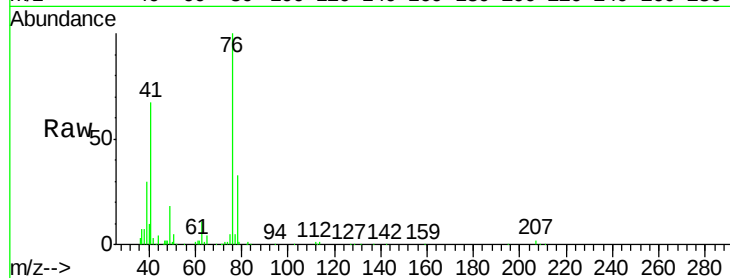
78 33.0 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 108.09 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059208.D

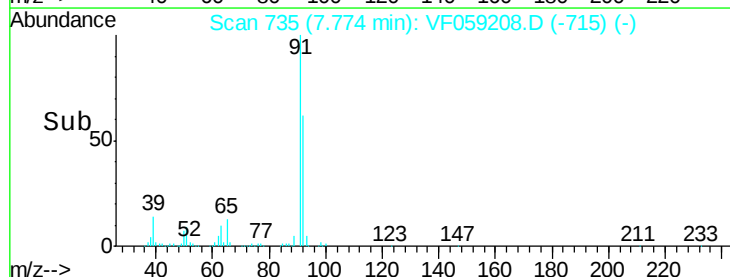
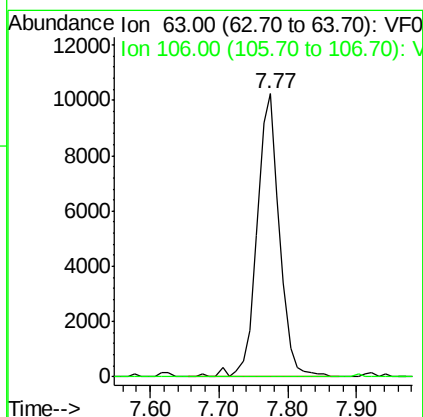
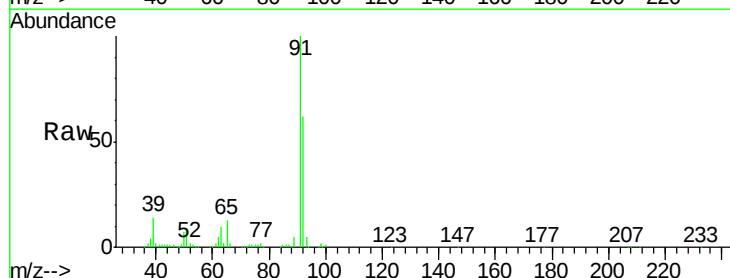
Acq: 20 Jun 2018 2:07

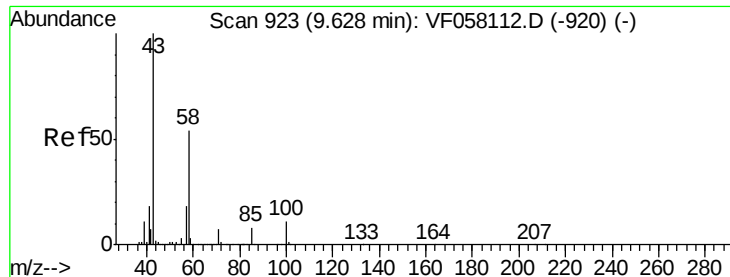
Tgt Ion: 63 Resp: 23316

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





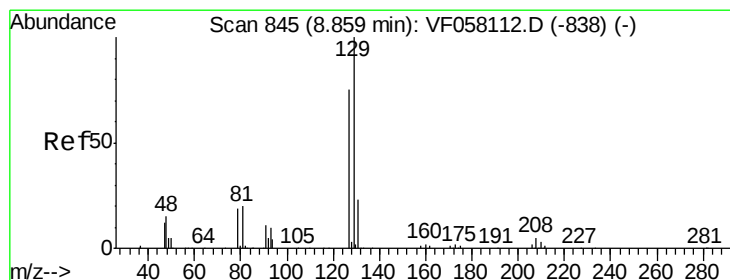
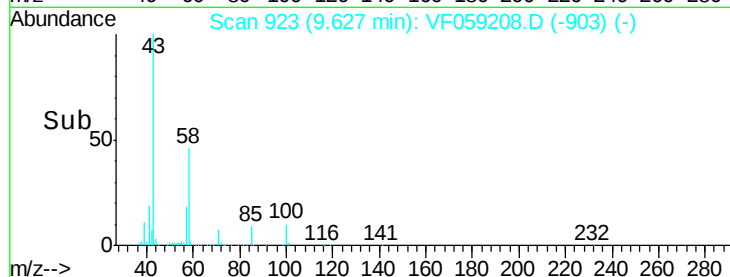
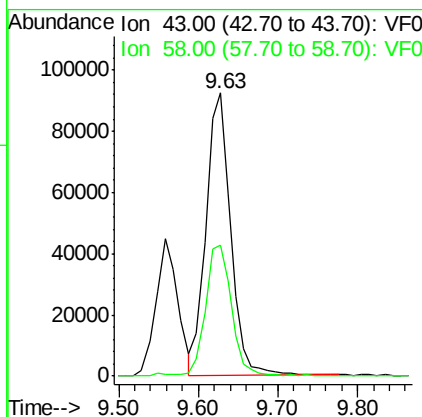
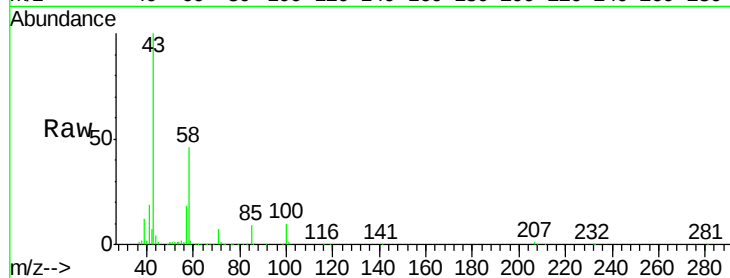
#59
2-Hexanone
Concen: 112.47 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.1	26.3	78.8

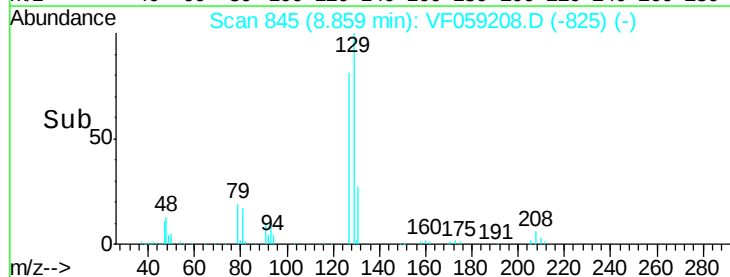
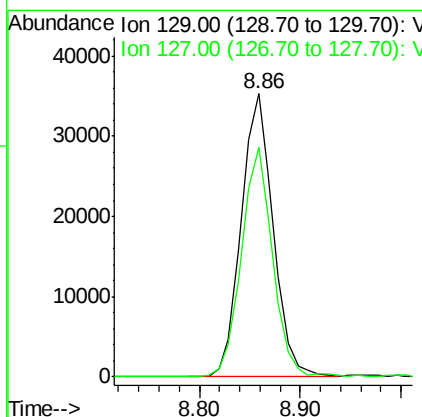
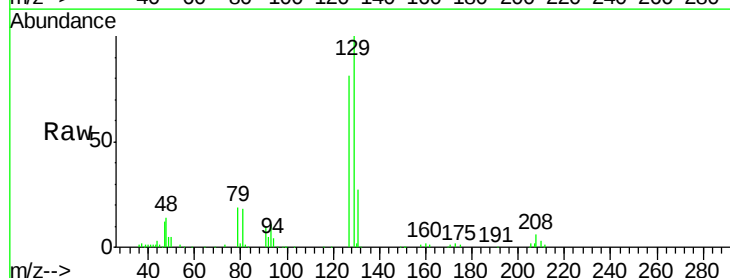
Manual Integrations
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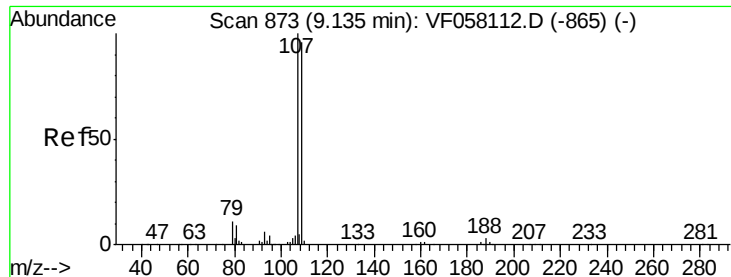
apatel
6/20/2018 11:19:03 AM



#60
Dibromochloromethane
Concen: 22.68 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.9	37.6	112.9





#61

1,2-Dibromoethane

Concen: 22.51 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion:107 Resp: 62600

Ion Ratio Lower Upper

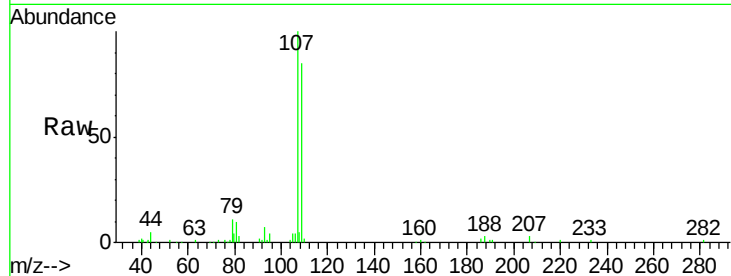
107 100

109 84.8 76.6 115.0

Manual Integrations
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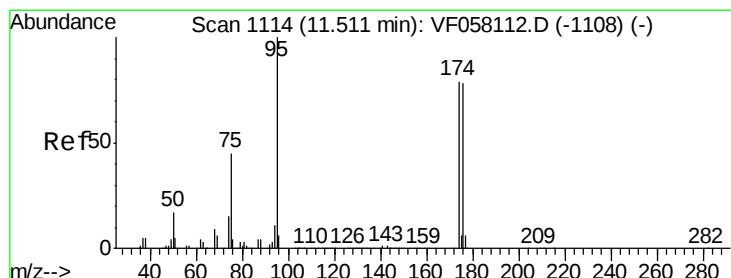
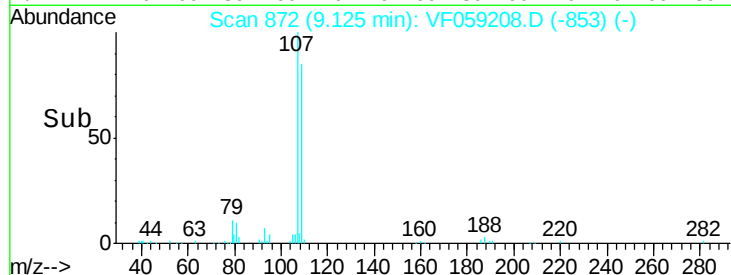


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

Time-->



#62

4-Bromofluorobenzene

Concen: 50.79 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

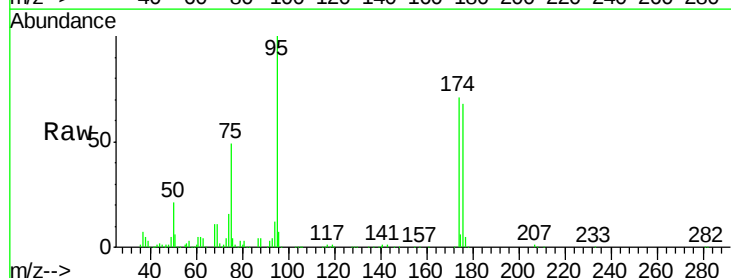
Tgt Ion: 95 Resp: 218872

Ion Ratio Lower Upper

95 100

174 71.5 0.0 157.8

176 68.0 0.0 155.8



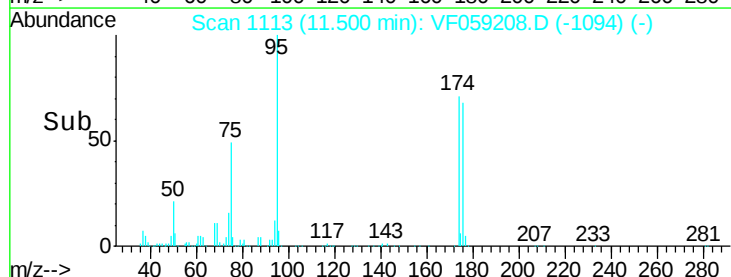
Abundance Ion 95.00 (94.70 to 95.70): VF0

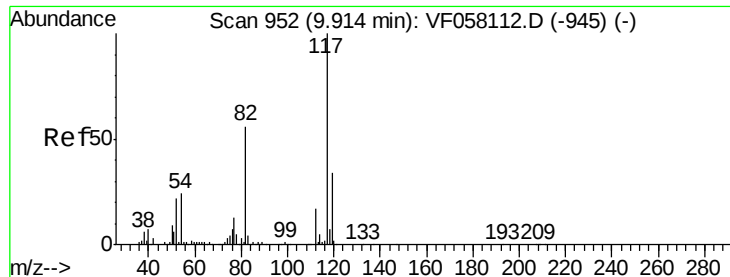
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.50

Time-->





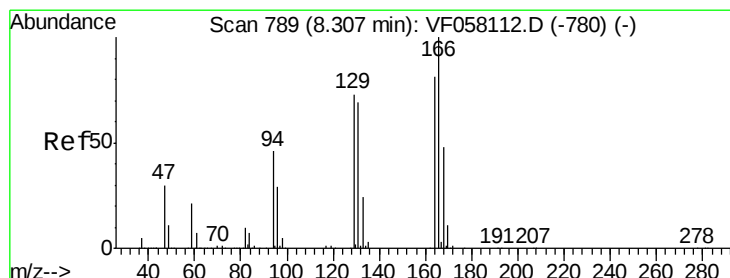
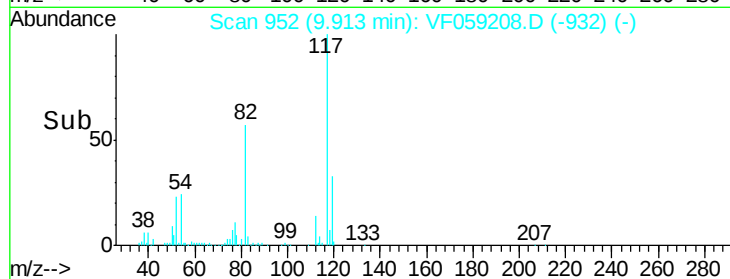
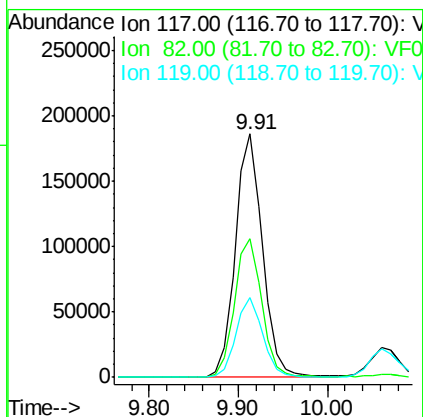
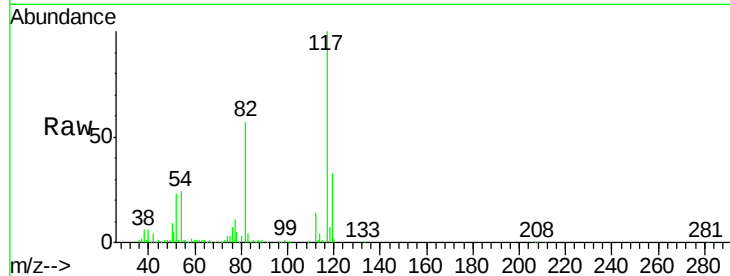
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	57.0	45.2	67.8
119	32.6	27.5	41.3

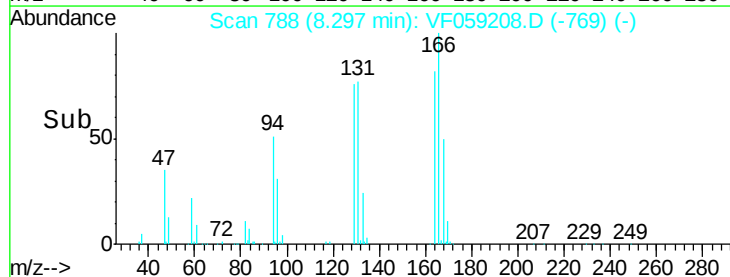
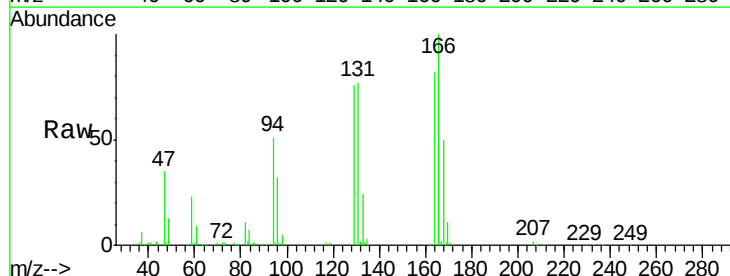
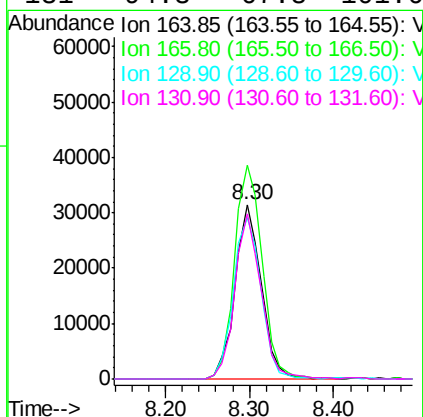
Manual Integrations
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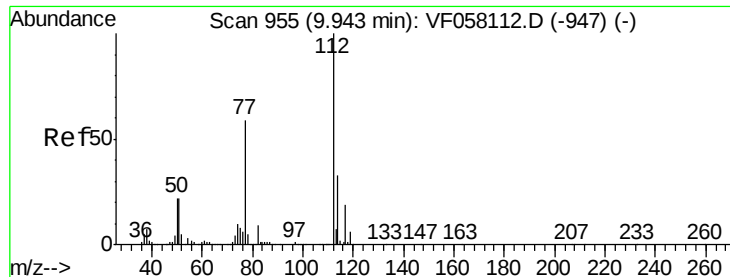
apatel
6/20/2018 11:19:03 AM



#64
Tetrachloroethene
Concen: 23.58 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	122.2	98.2	147.4
129	92.4	71.6	107.4
131	94.3	67.8	101.6





#65

Chlorobenzene

Concen: 21.81 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion:112 Resp: 171235

Ion Ratio Lower Upper

112 100

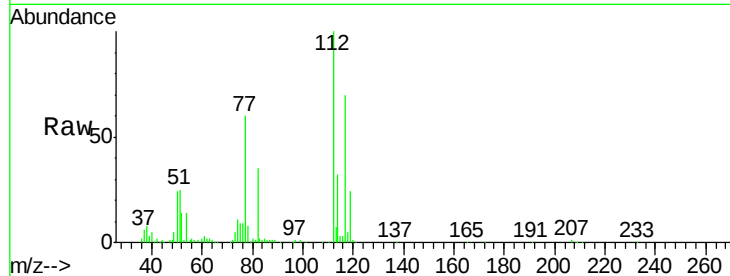
114 31.6 26.2 39.4

Manual Integrations

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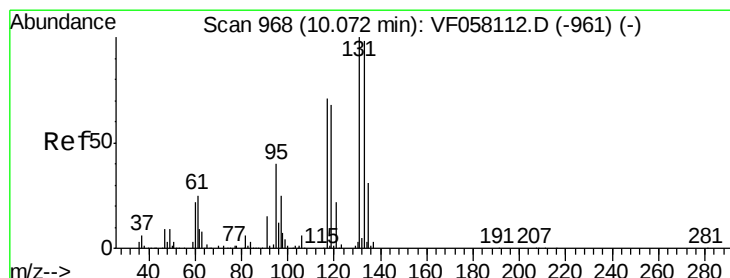
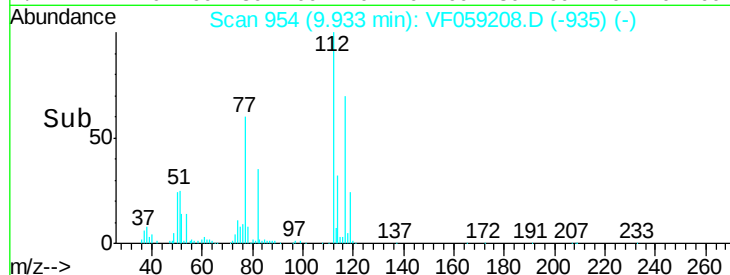
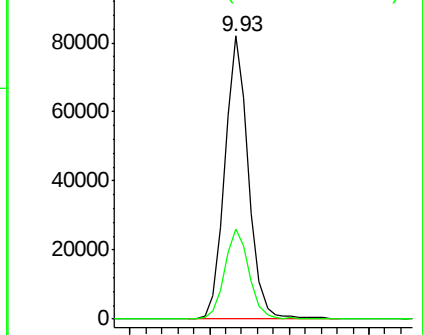
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.69 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

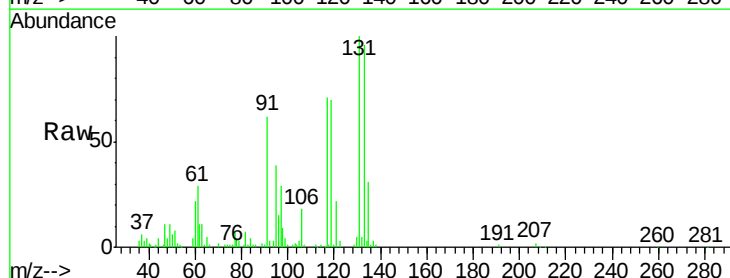
Tgt Ion:131 Resp: 70846

Ion Ratio Lower Upper

131 100

133 95.9 49.1 147.4

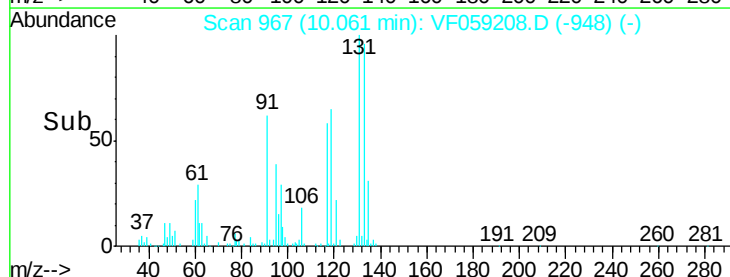
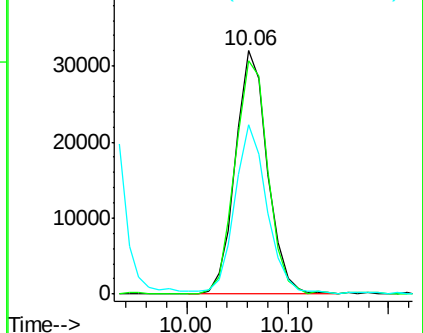
119 69.5 34.3 102.8

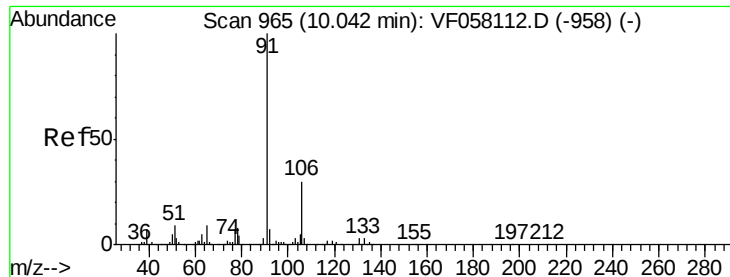


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.44 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 91 Resp: 292409

Ion Ratio Lower Upper

91 100

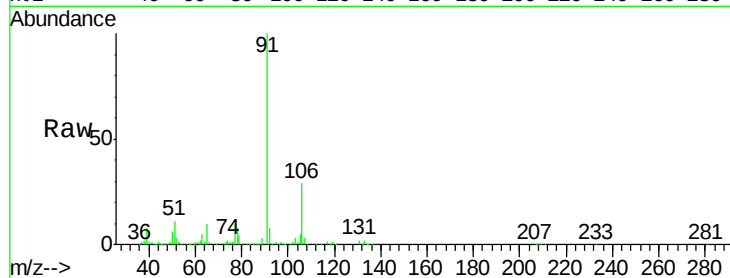
106 29.3 24.2 36.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.03

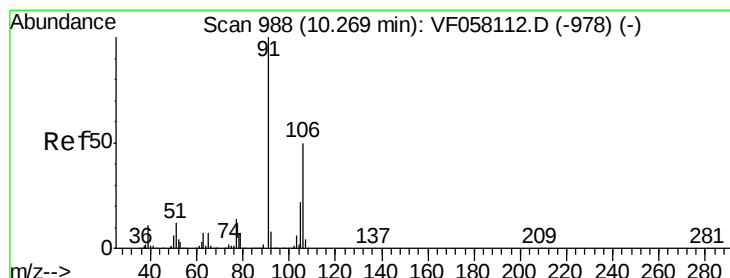
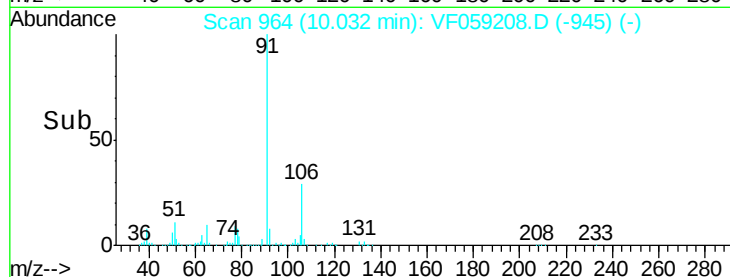
150000

100000

50000

0

Time-->



#68

m/p-Xylenes

Concen: 42.65 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059208.D

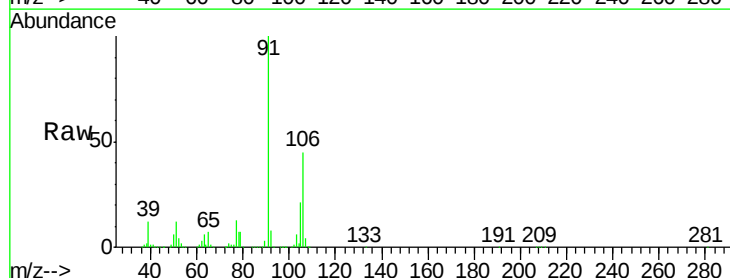
Acq: 20 Jun 2018 2:07

Tgt Ion: 106 Resp: 217779

Ion Ratio Lower Upper

106 100

91 221.1 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.26

250000

200000

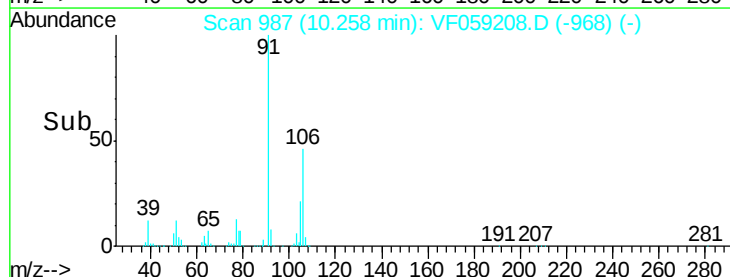
150000

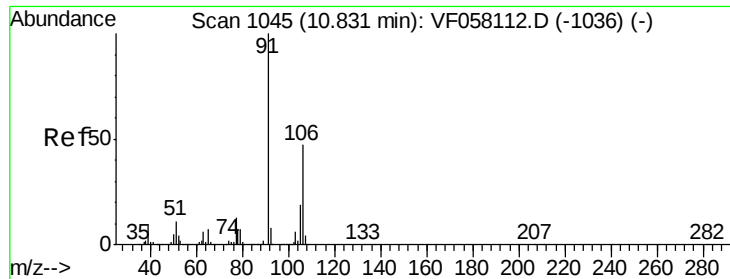
100000

50000

0

Time-->





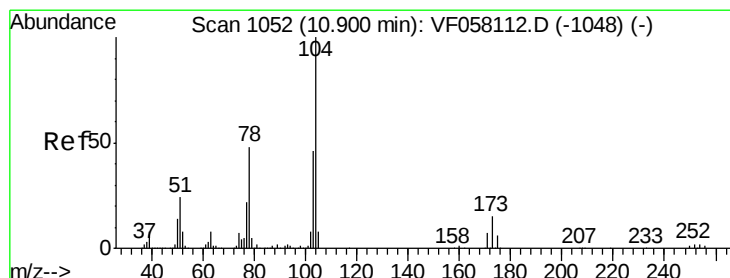
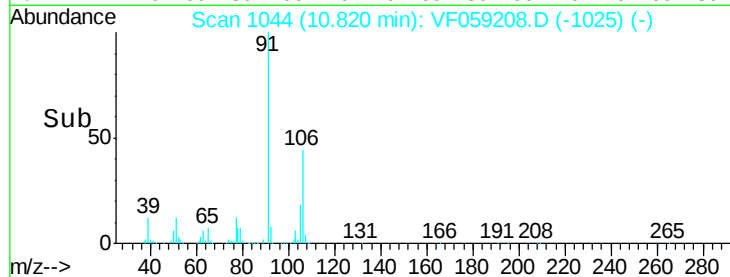
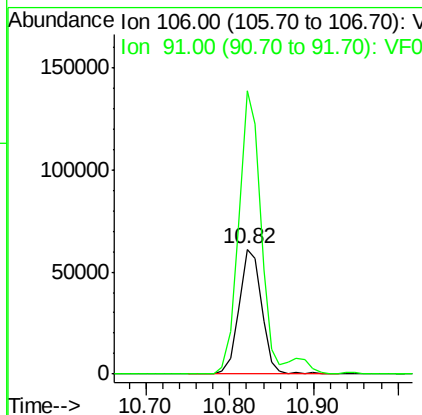
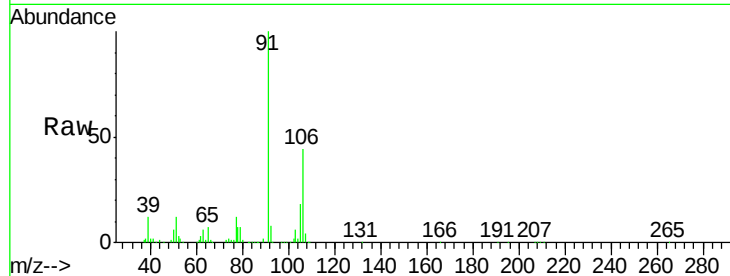
#69
o-Xylene
Concen: 20.79 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion:106 Resp: 114750
Ion Ratio Lower Upper
106 100
91 226.7 107.0 321.0

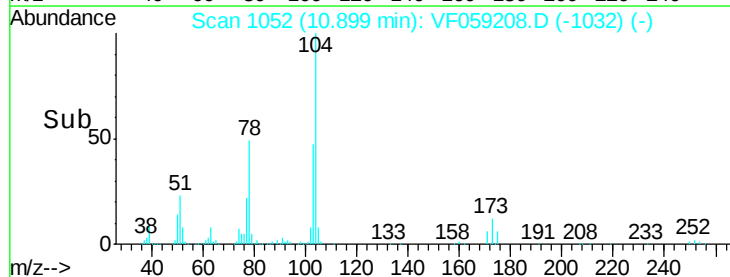
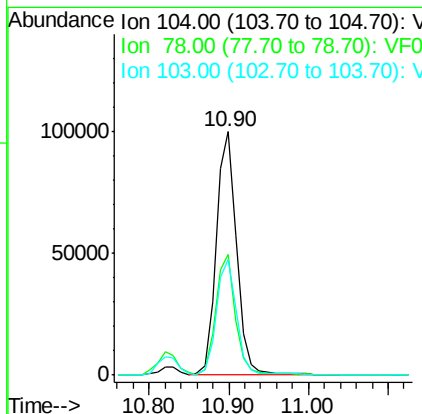
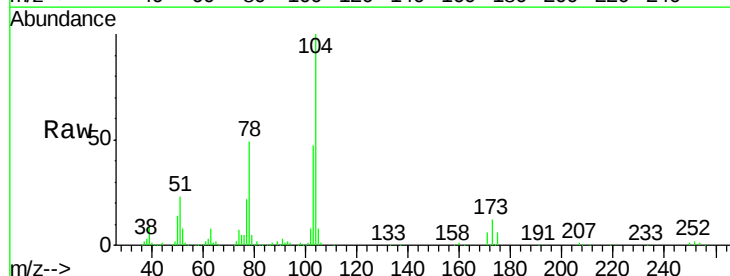
Manual Integrations
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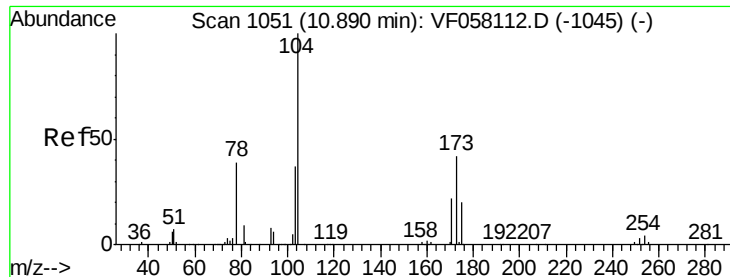
apatel
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#70
Styrene
Concen: 21.45 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion:104 Resp: 179075
Ion Ratio Lower Upper
104 100
78 49.4 38.4 57.6
103 47.3 37.0 55.6





#71

Bromoform

Concen: 23.84 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

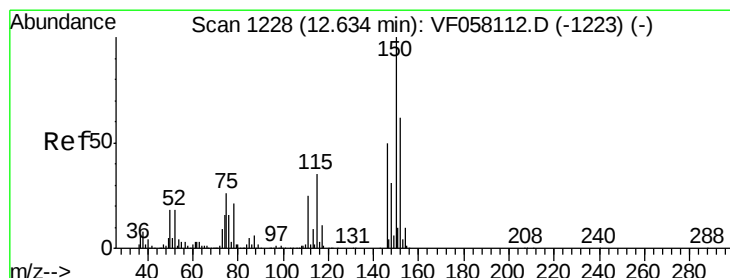
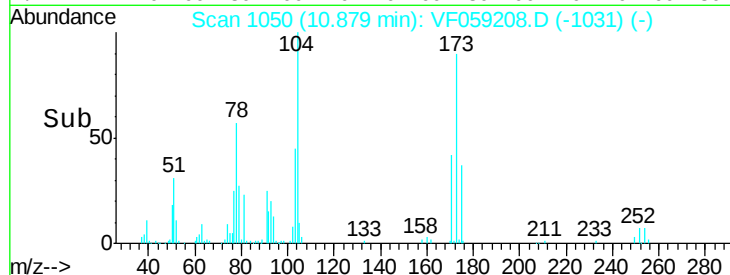
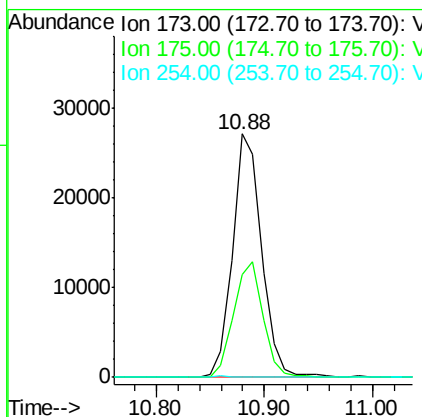
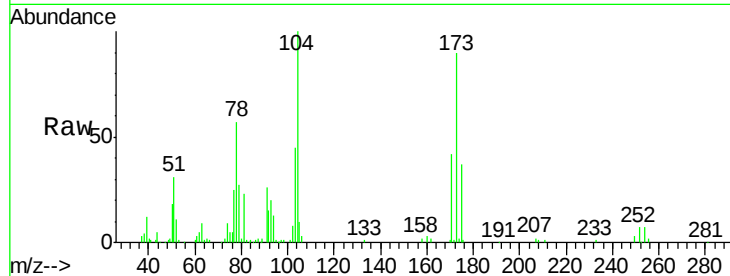
ClientSampleId :

VF0619SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.0	24.6	74.0
254	0.0	7.8	11.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

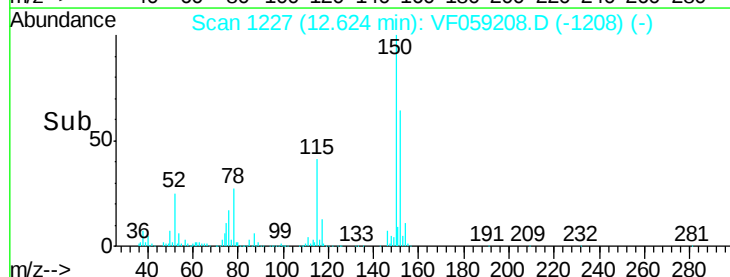
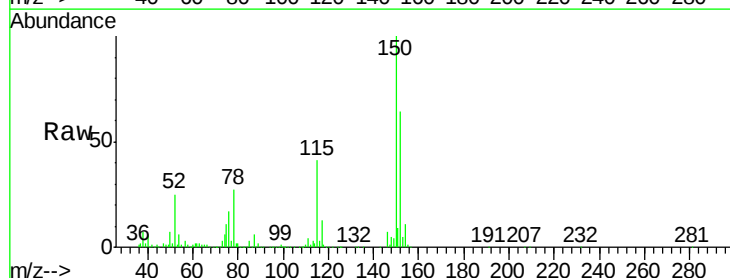
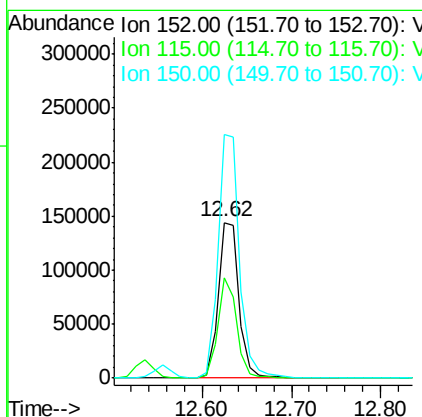
RT: 12.62 min Scan# 1227

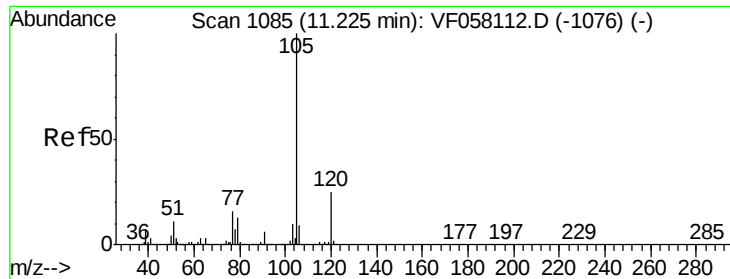
Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	28.5	85.5
150	156.3	0.0	323.8





#73

Isopropylbenzene

Concen: 21.35 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 105 Resp: 347672

Ion Ratio Lower Upper

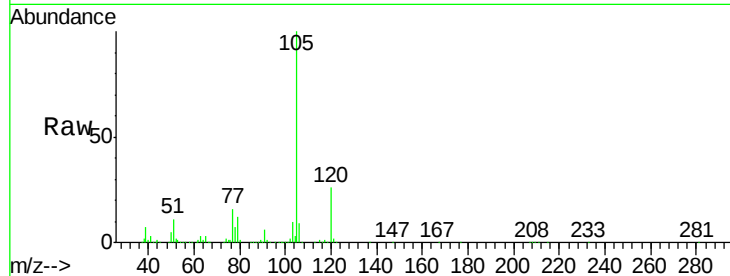
105 100

120 25.9 12.7 38.1

Manual Integrations
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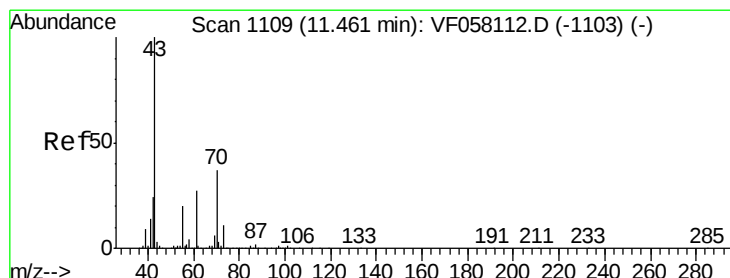
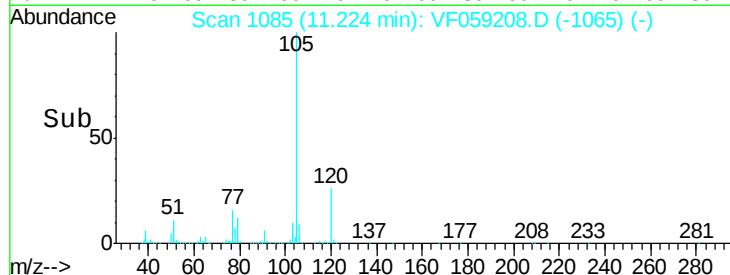
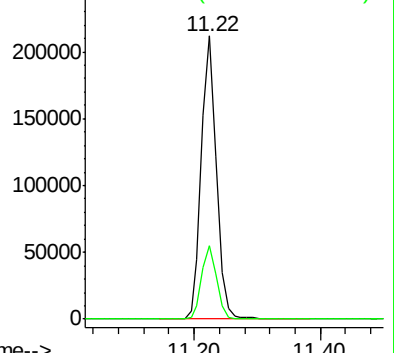
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.06 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion: 43 Resp: 128349

Ion Ratio Lower Upper

43 100

70 36.0 29.2 43.8

55 20.3 15.8 23.6

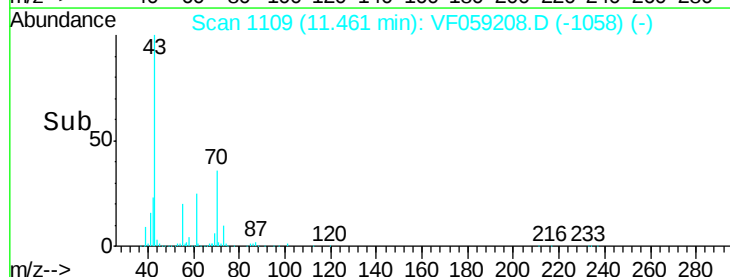
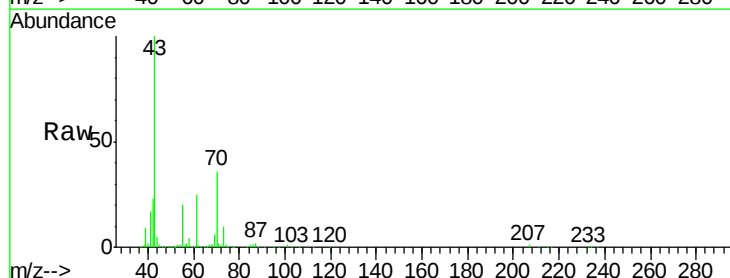
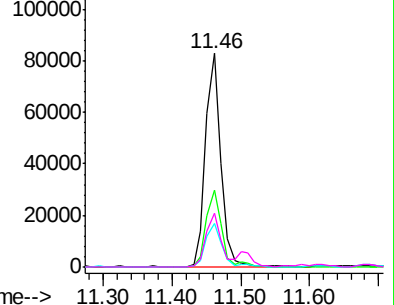
61 25.1 21.3 31.9

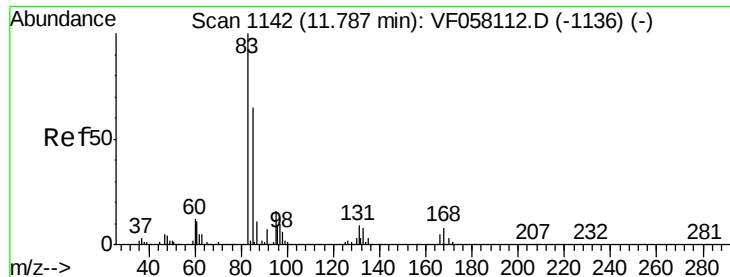
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 21.45 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

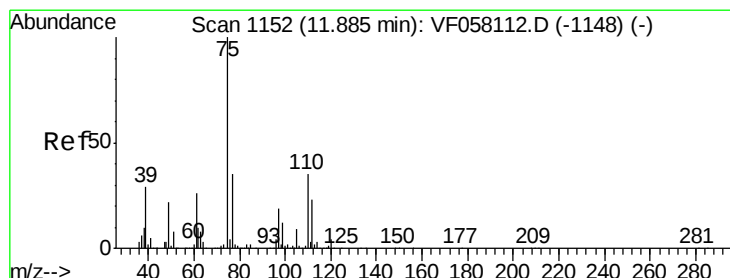
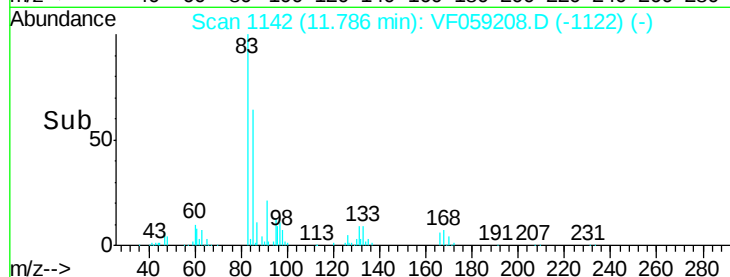
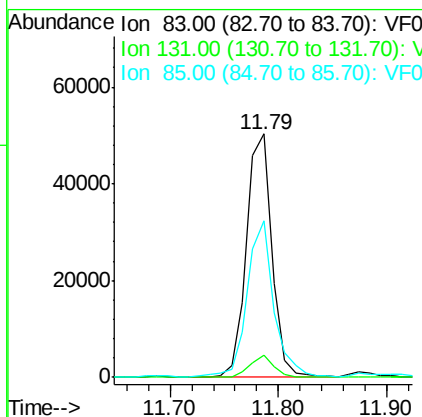
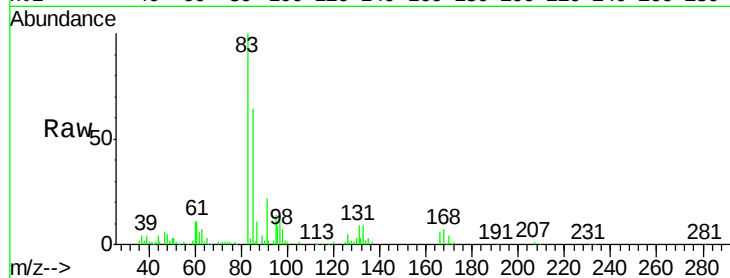
ClientSampleId :

VF0619SBS02

Tot Ion:	83	Resp:	82811
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.7
85	64.1	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 22.93 ug/l

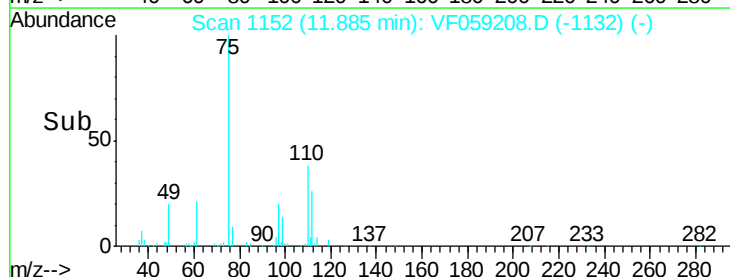
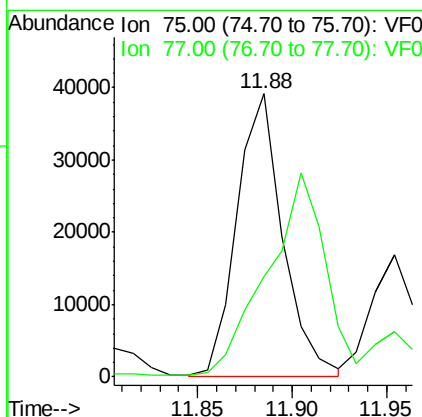
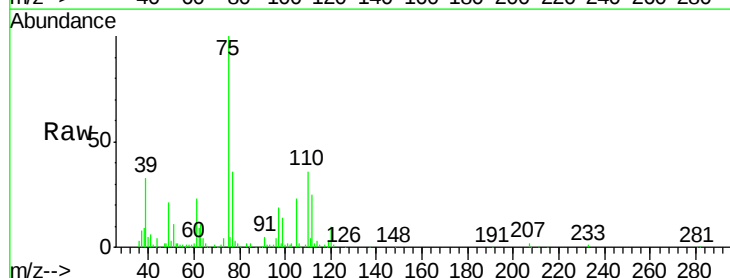
RT: 11.88 min Scan# 1152

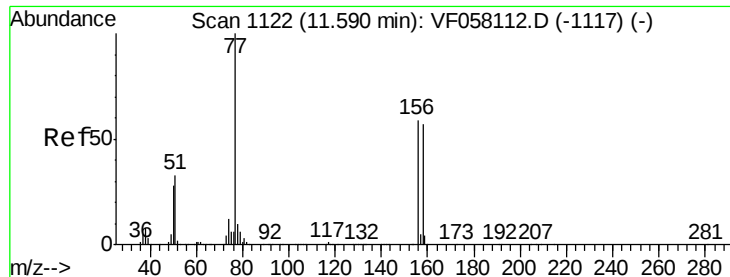
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	75	Resp:	65384
Ion Ratio	Lower	Upper	
75	100		
77	35.6	17.5	52.5





#77

Bromobenzene

Concen: 21.74 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

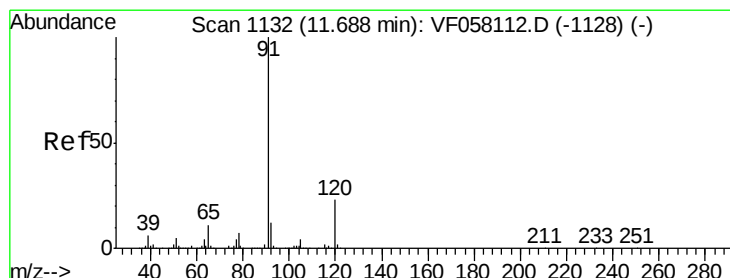
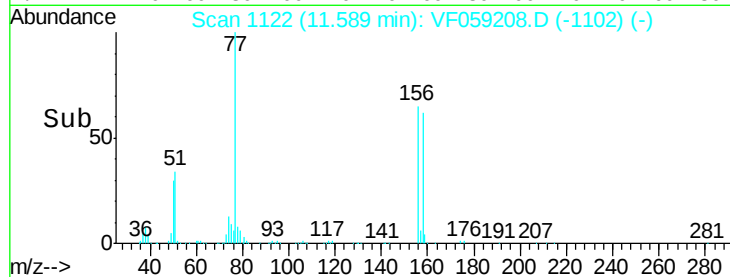
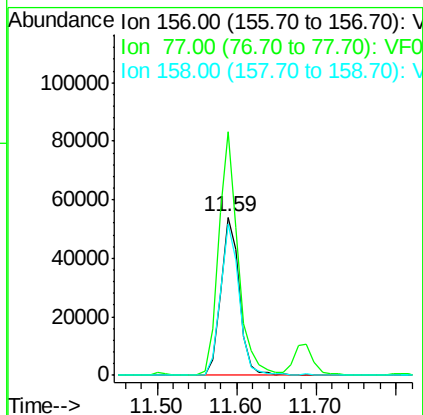
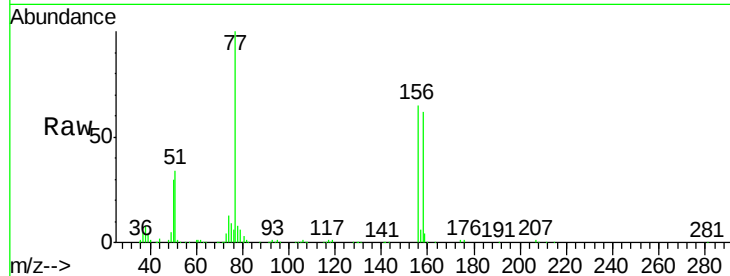
ClientSampleId :

VF0619SBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.0	84.8	254.4	
158	96.1	47.9	143.7	

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#78

n-propylbenzene

Concen: 21.32 ug/l

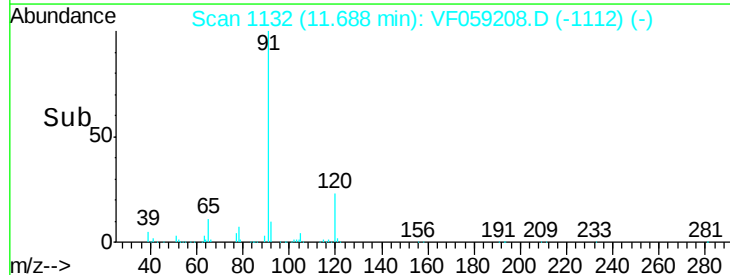
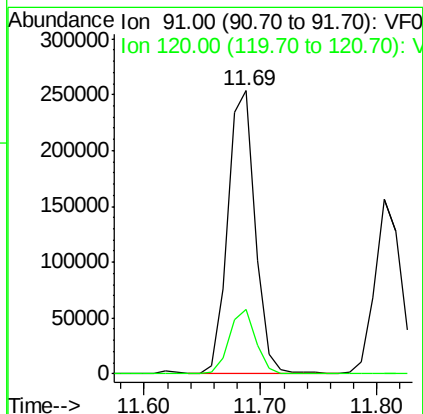
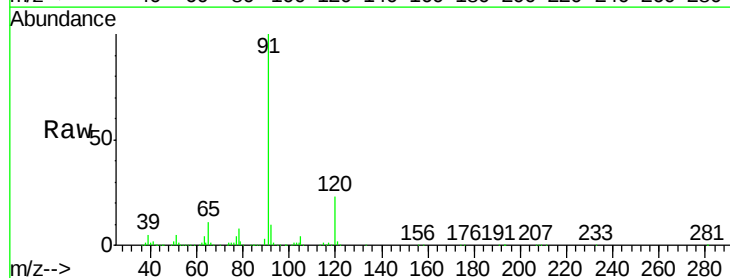
RT: 11.69 min Scan# 1132

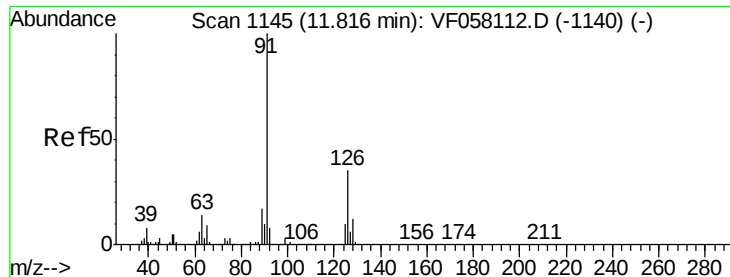
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.7	11.5	34.5	





#79

2-Chlorotoluene

Concen: 21.30 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 91 Resp: 242534

Ion Ratio Lower Upper

91 100

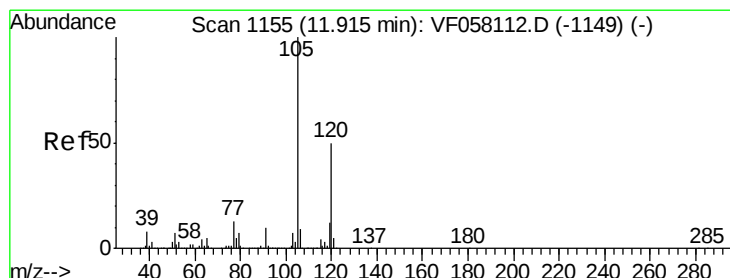
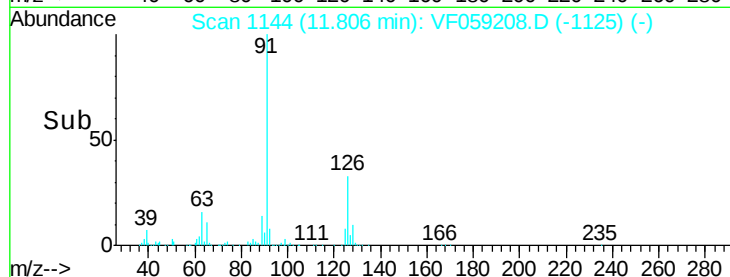
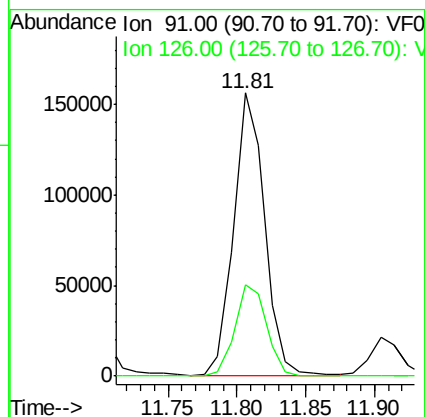
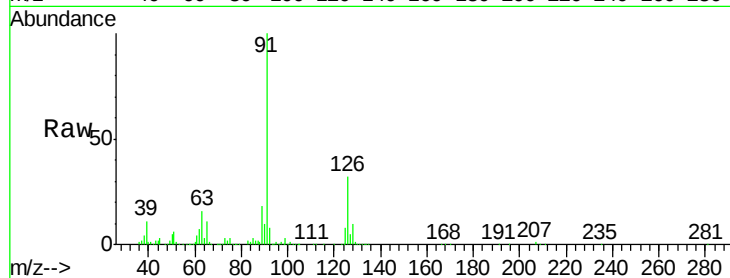
126 32.5 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 22.09 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059208.D

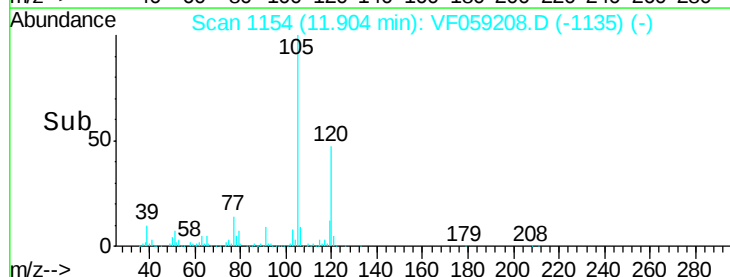
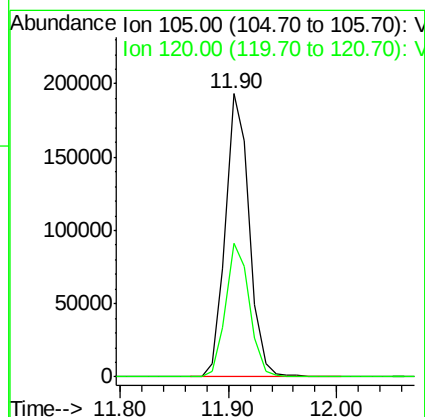
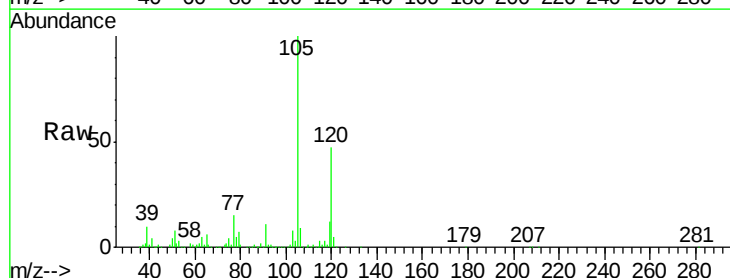
Acq: 20 Jun 2018 2:07

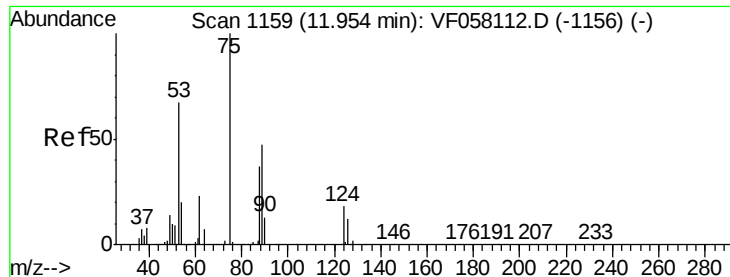
Tgt Ion:105 Resp: 297713

Ion Ratio Lower Upper

105 100

120 47.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.57 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

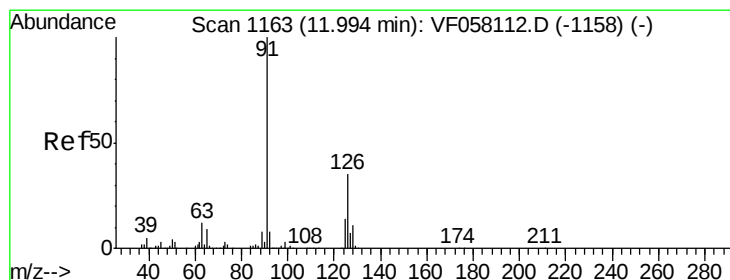
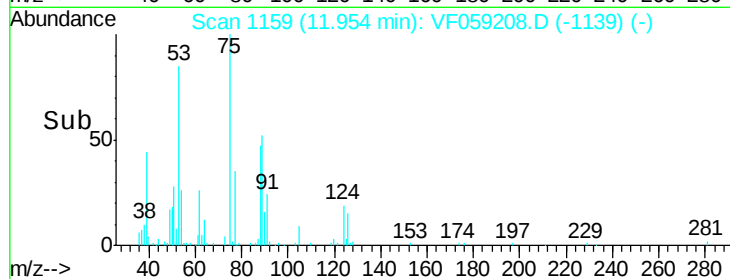
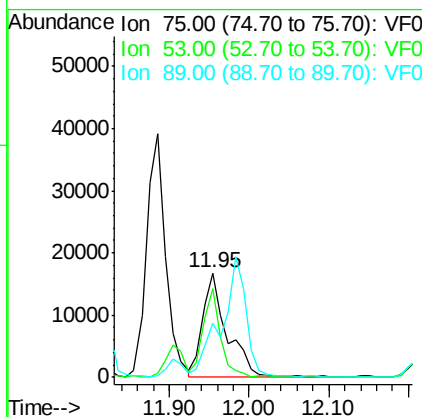
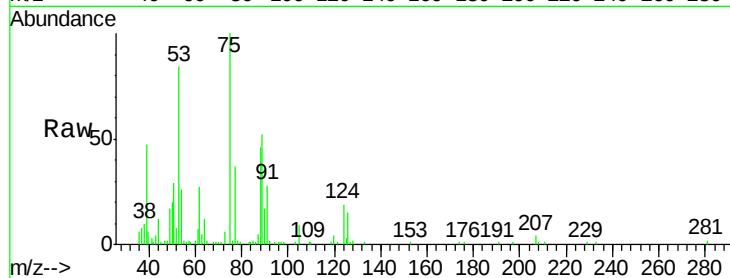
ClientSampleId :

VF0619SBS02

Tot Ion:	75	Resp:	36190
Ion Ratio	Lower	Upper	
75	100		
53	84.3	58.7	88.1
89	51.8	39.8	59.6

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#82

4-Chlorotoluene

Concen: 20.78 ug/l

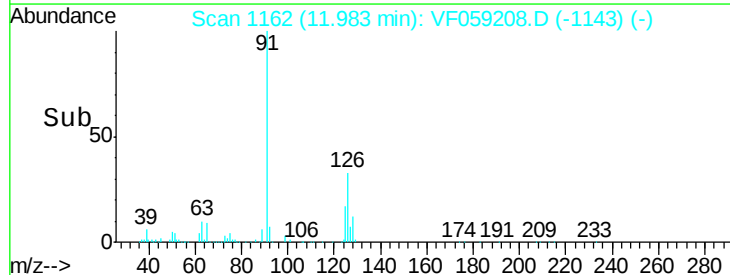
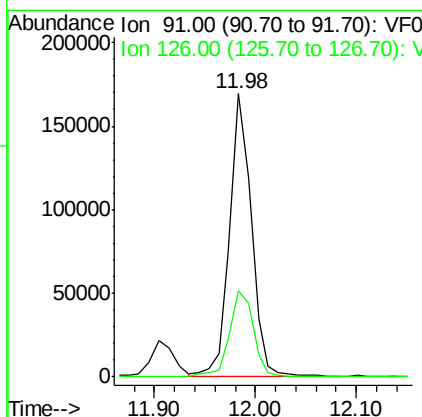
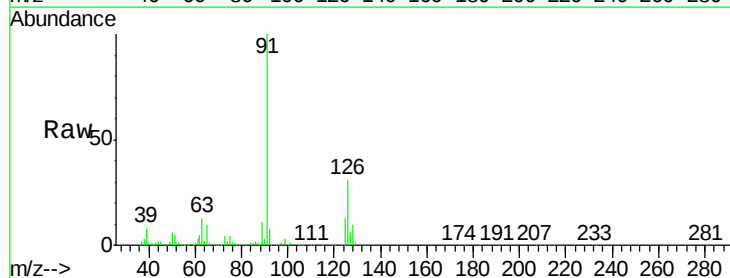
RT: 11.98 min Scan# 1162

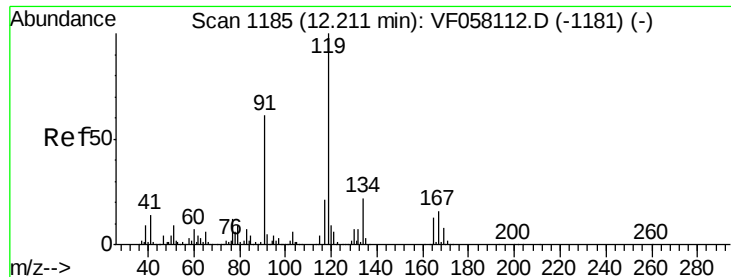
Delta R.T. -0.01 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	91	Resp:	251916
Ion Ratio	Lower	Upper	
91	100		
126	30.7	17.4	52.2





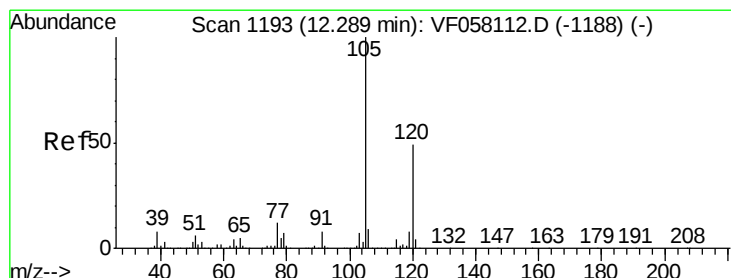
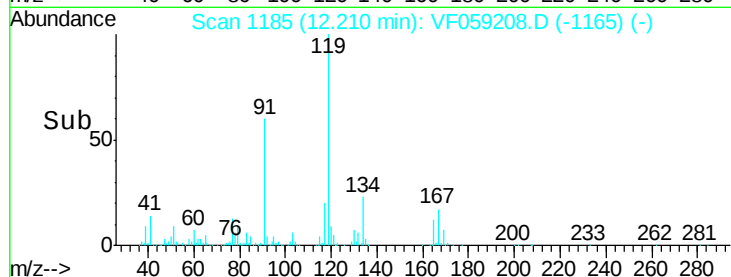
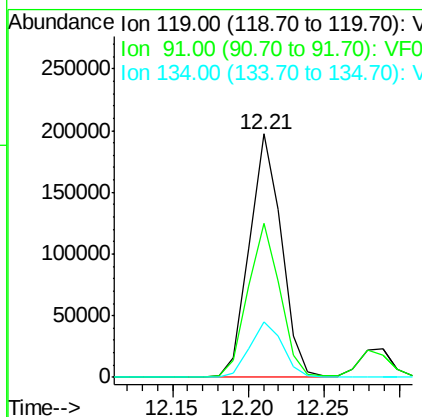
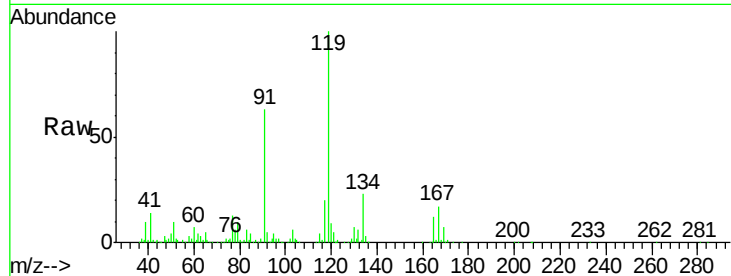
#83
 tert-Butylbenzene
 Concen: 21.97 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294045		
91	63.4	30.4	91.3	
134	23.0	11.2	33.5	

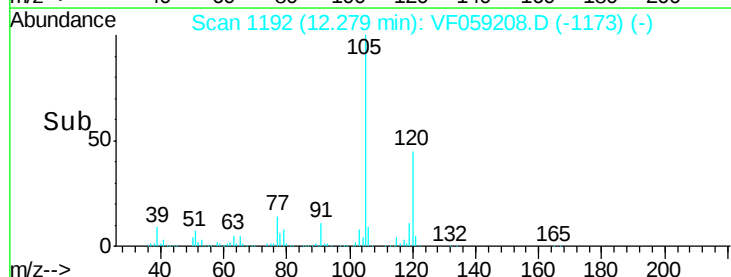
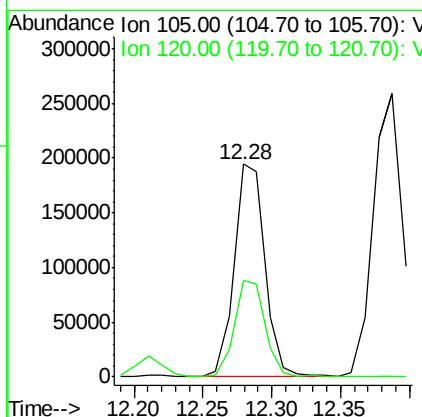
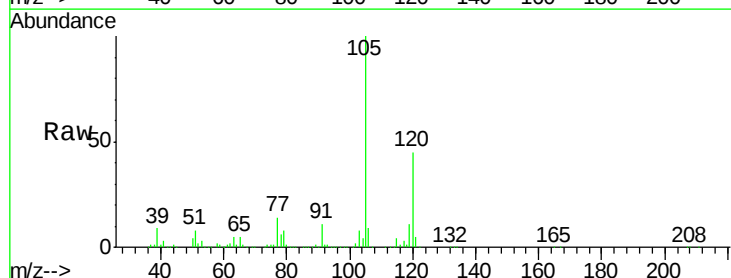
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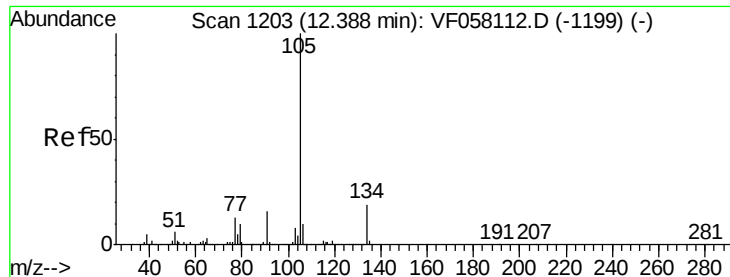
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.63 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302099		
120	45.3	24.7	74.1	





#85

sec-Butylbenzene

Concen: 21.44 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion:105 Resp: 390016

Ion Ratio Lower Upper

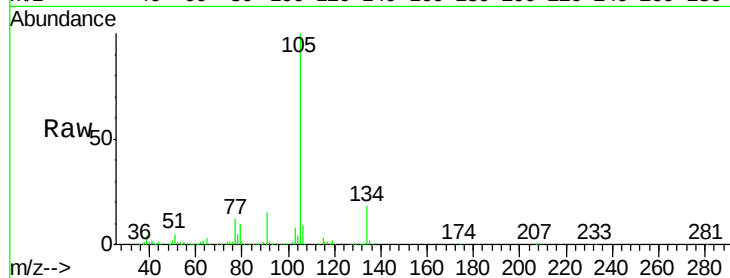
105 100

134 18.4 9.6 28.6

Manual Integrations
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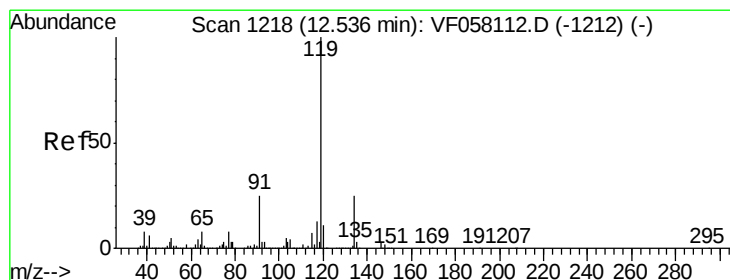
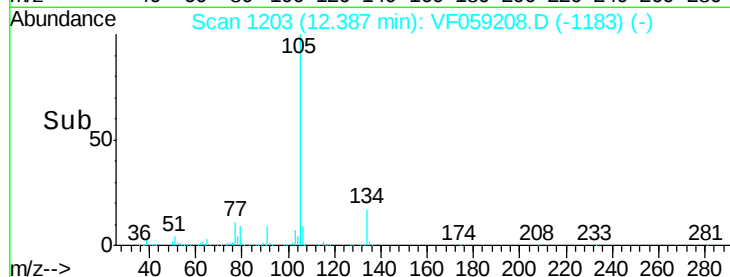
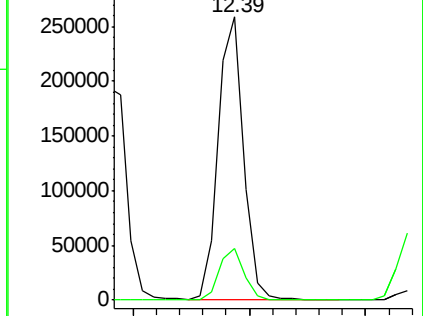
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.54 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

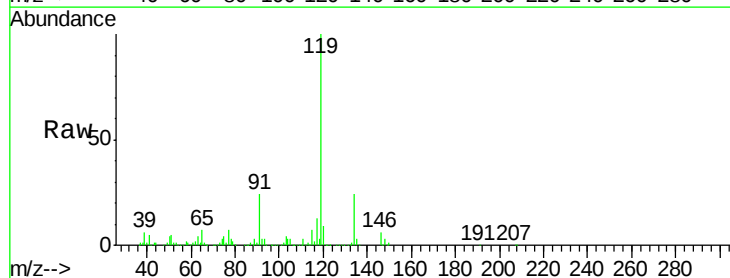
Tgt Ion:119 Resp: 336716

Ion Ratio Lower Upper

119 100

134 24.2 12.7 38.0

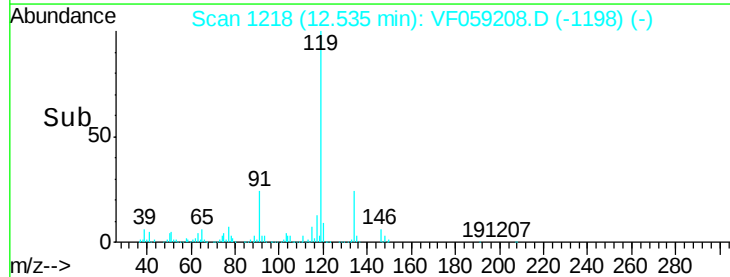
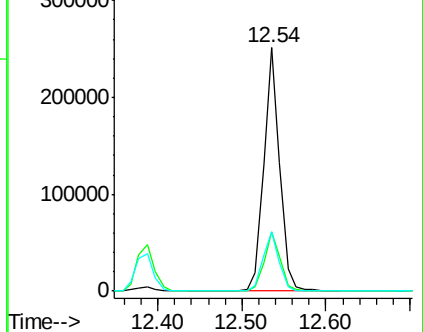
91 24.4 12.6 37.6

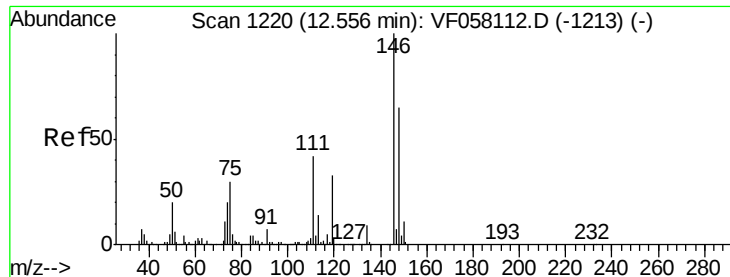


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





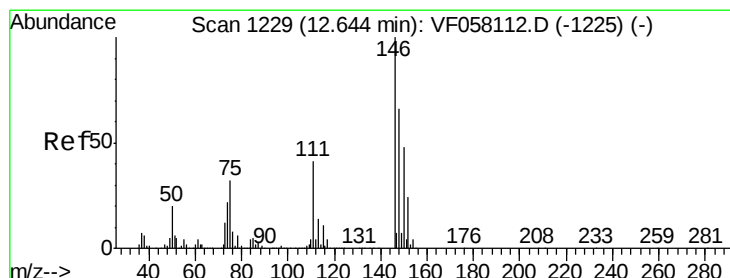
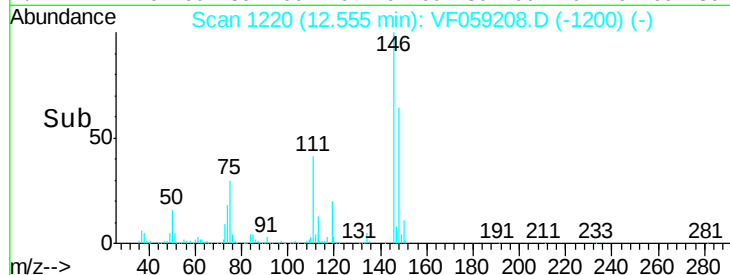
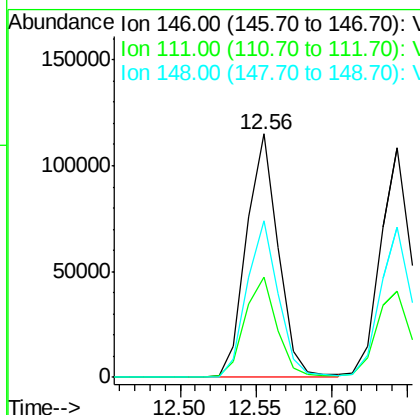
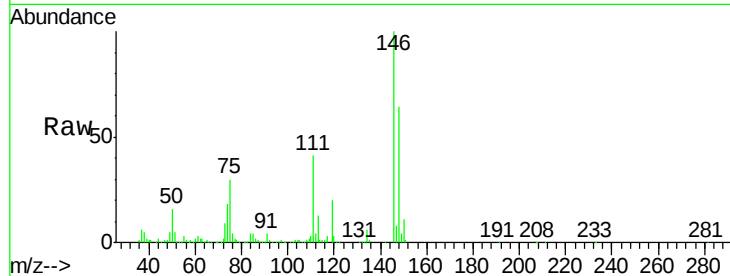
#87
 1,3-Dichlorobenzene
 Concen: 22.31 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.5
148	64.2	32.3	96.9

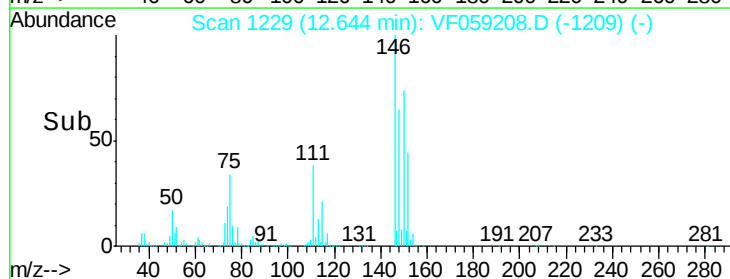
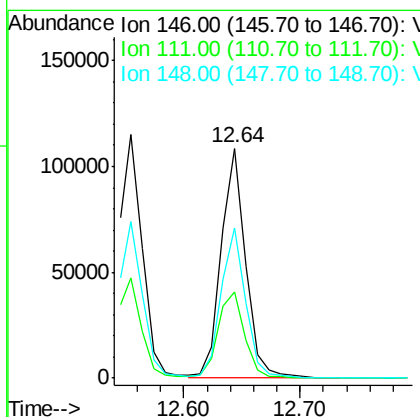
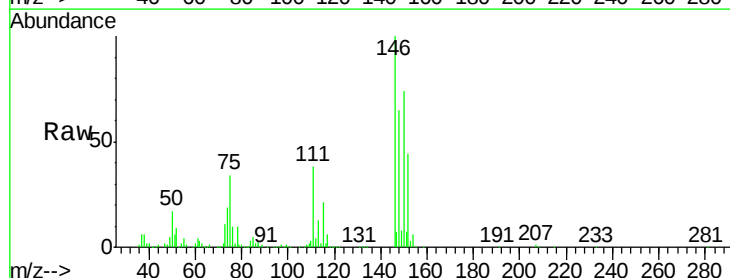
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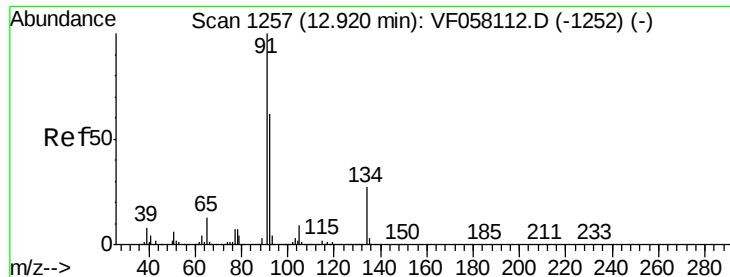
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#88
 1,4-Dichlorobenzene
 Concen: 21.56 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.4	61.2
148	65.4	33.0	99.0





#89

n-Butylbenzene

Concen: 19.76 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Instrument :

MSVOA_F

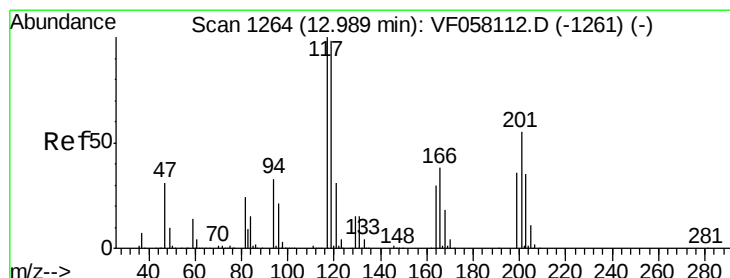
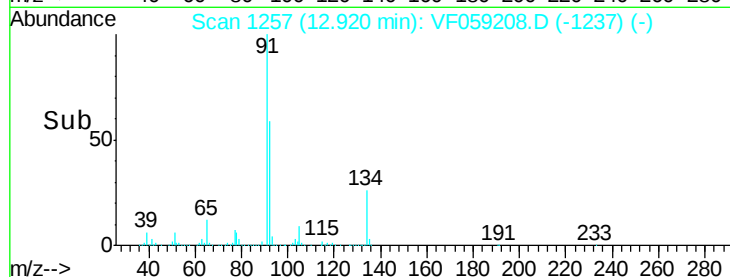
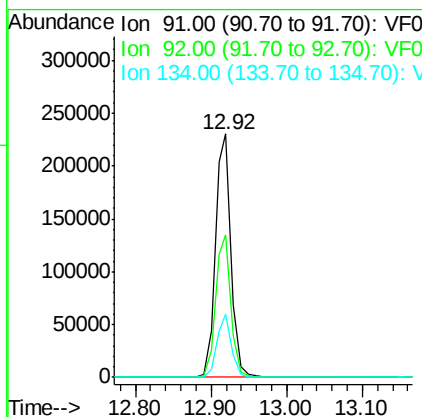
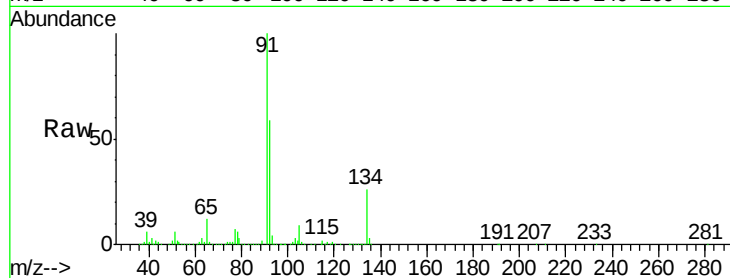
ClientSampleId :

VF0619SBS02

Tot Ion:	91	Resp:	336291
Ion Ratio	Lower	Upper	
91	100		
92	58.6	31.1	93.5
134	25.9	13.6	40.8

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#90

Hexachloroethane

Concen: 21.33 ug/l

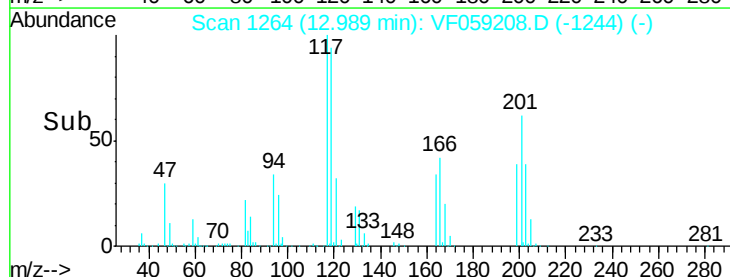
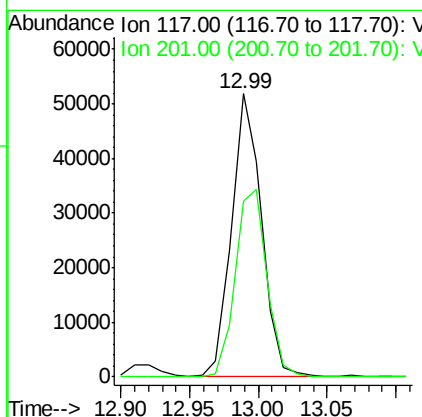
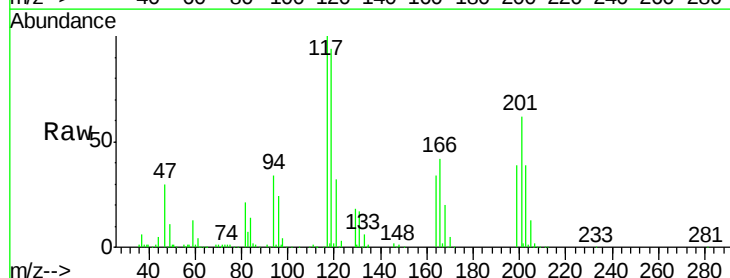
RT: 12.99 min Scan# 1264

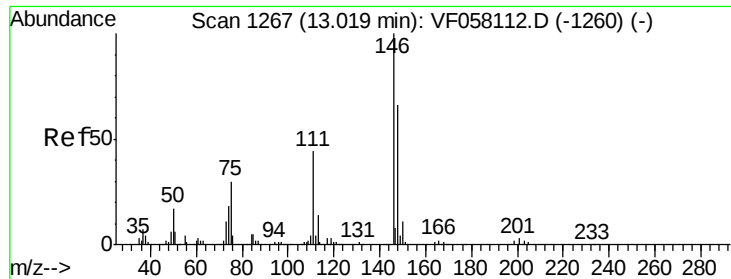
Delta R.T. -0.00 min

Lab File: VF059208.D

Acq: 20 Jun 2018 2:07

Tgt Ion:	117	Resp:	78456
Ion Ratio	Lower	Upper	
117	100		
201	61.9	27.5	82.4





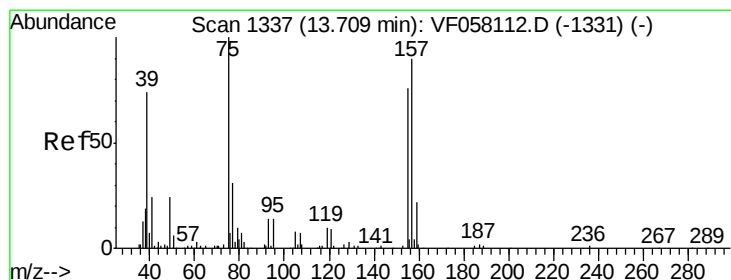
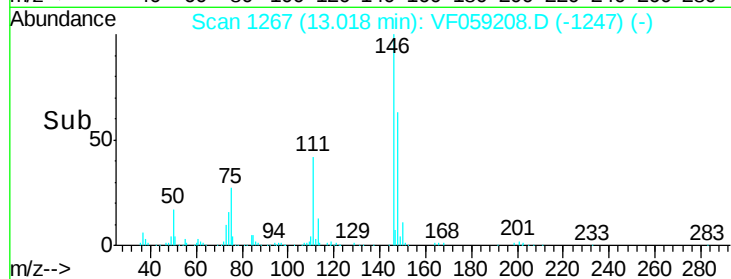
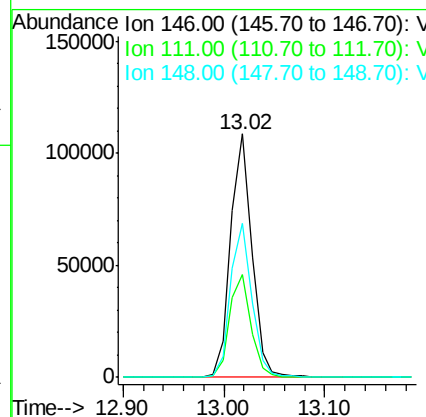
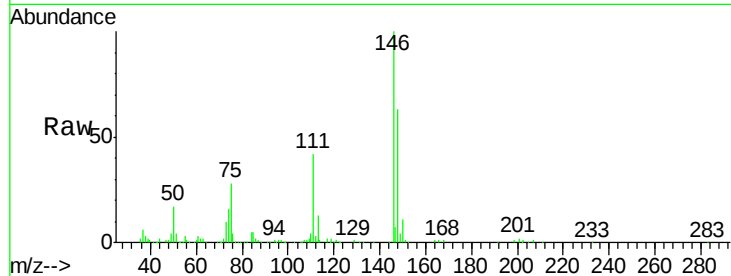
#91
 1,2-Dichlorobenzene
 Concen: 21.97 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	160190		
111	42.1	22.0	66.0	
148	63.5	33.1	99.3	

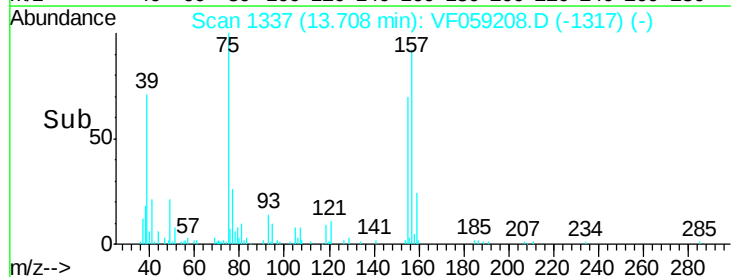
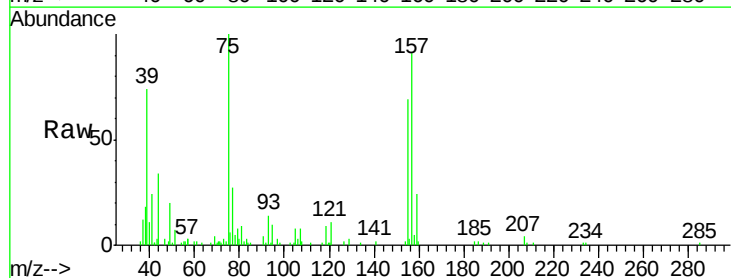
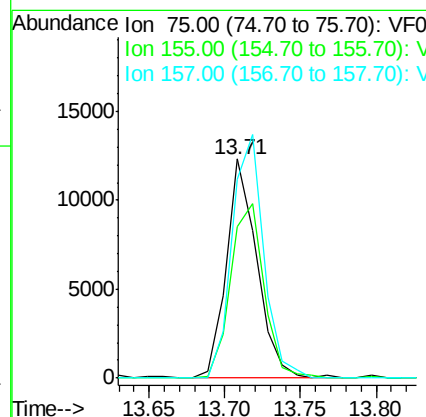
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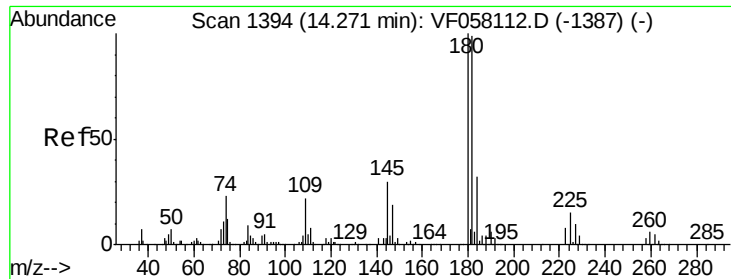
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.91 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17352		
155	71.7	38.0	114.0	
157	90.5	45.1	135.5	





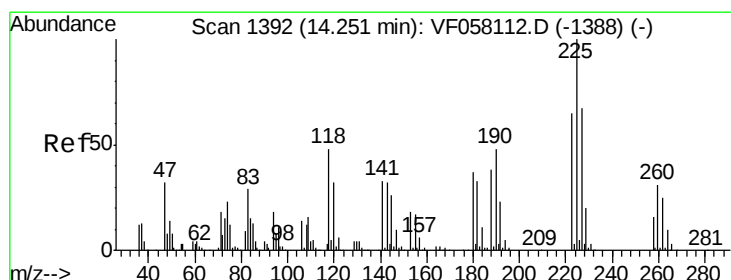
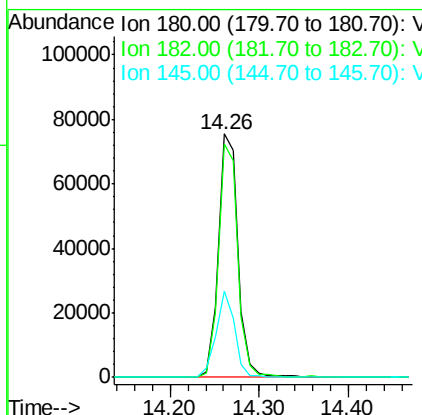
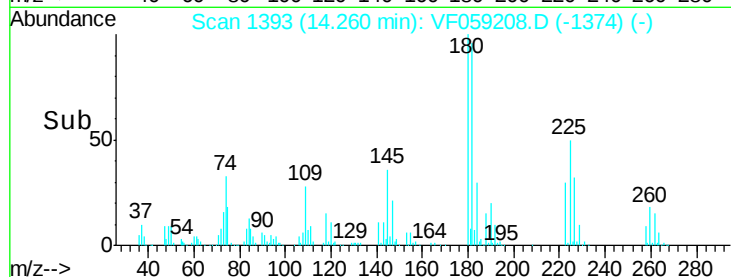
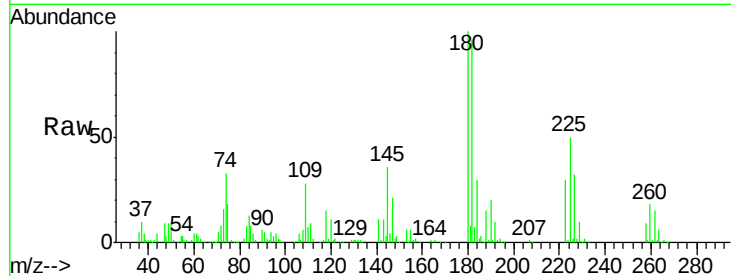
#93
 1,2,4-Trichlorobenzene
 Concen: 22.96 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117085		
182	95.8	49.3	147.9	
145	35.5	14.9	44.9	

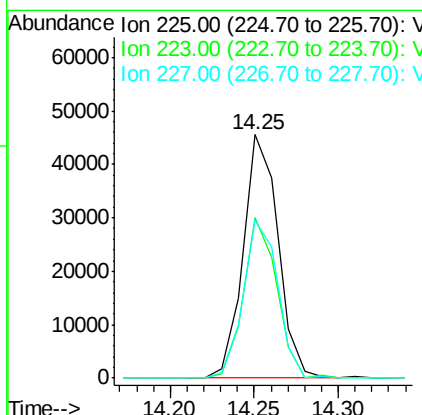
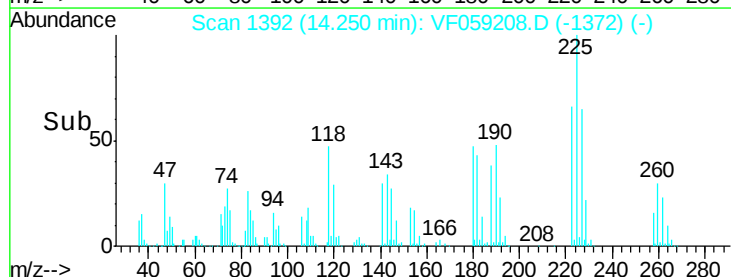
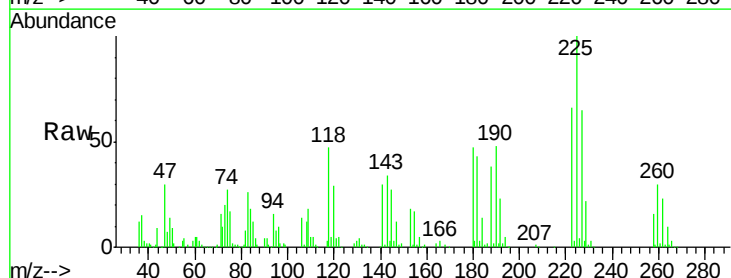
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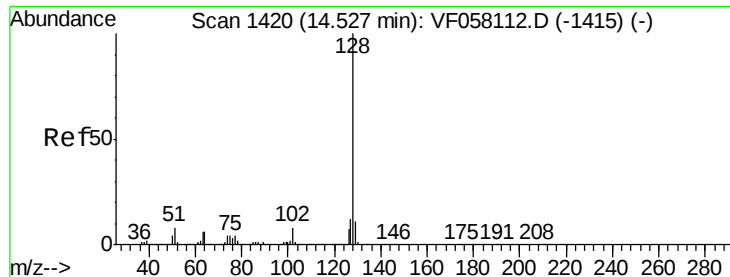
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#94
 Hexachlorobutadiene
 Concen: 22.18 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059208.D
 Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65452		
223	65.8	32.8	98.3	
227	64.8	33.3	99.9	





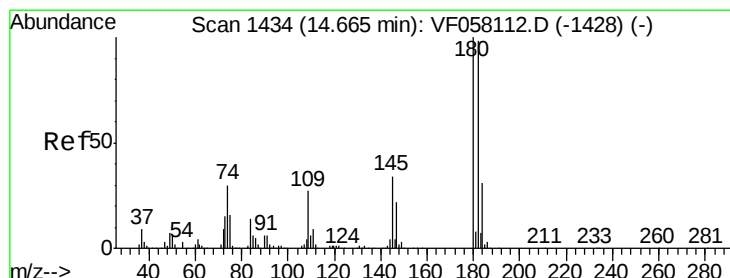
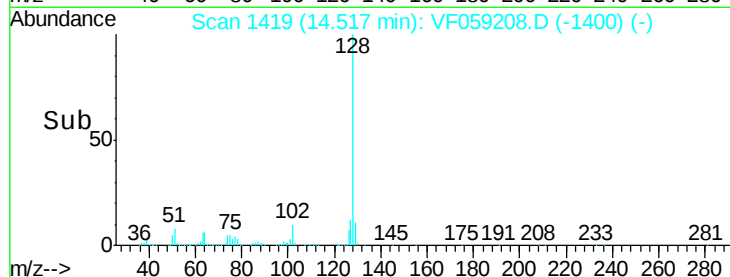
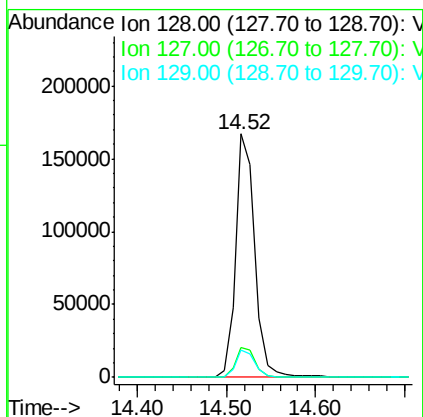
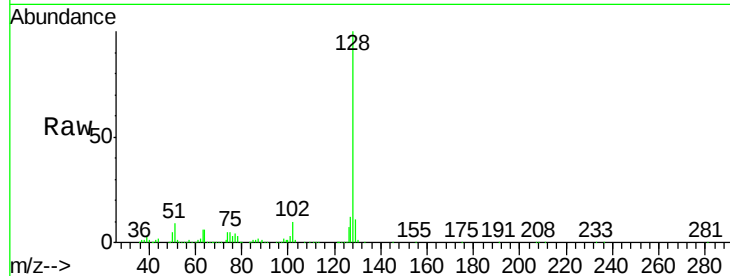
#95
Naphthalene
Concen: 23.04 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	250970		
127	12.3		9.9	14.9
129	11.2		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 24.42 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059208.D
Acq: 20 Jun 2018 2:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115084		
182	94.0		48.9	146.6
145	34.2		17.3	51.7

