

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059209.D
 Acq On : 20 Jun 2018 2:35
 Operator : VA/AP
 Sample : VF0619SBS02
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Manual Integrations
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 6/20/2018 11:19:07 AM

Quant Time: Jun 20 05:46:41 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	5.04	168	263631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	407421	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	395239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	239355	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	177091	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
35) Dibromofluoromethane	4.29	113	159284	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
50) Toluene-d8	7.71	98	393220	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	11.50	95	211725	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.98	85	56078	18.79	ug/l	98
3) Chloromethane	1.08	50	39716	17.18	ug/l	98
4) Vinyl Chloride	1.14	62	39552	18.97	ug/l	98
5) Bromomethane	1.34	94	25618	21.08	ug/l	97
6) Chloroethane	1.43	64	18617	21.52	ug/l #	84
7) Trichlorofluoromethane	1.49	101	64061m	19.76	ug/l	
8) Diethyl Ether	1.70	74	17857	21.90	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44895	21.73	ug/l	96
10) Methyl Iodide	1.96	142	74579	20.63	ug/l	92
11) Tert butyl alcohol	2.68	59	21289	103.92	ug/l	95
12) 1,1-Dichloroethene	1.85	96	36347	20.92	ug/l	80
13) Acrolein	2.09	56	12752	71.92	ug/l	96
14) Allyl chloride	2.19	41	64460	18.91	ug/l	90
15) Acrylonitrile	3.07	53	40927	100.59	ug/l	94
16) Acetone	2.33	43	67326	88.19	ug/l	93
17) Carbon Disulfide	1.87	76	85518m	17.53	ug/l	
18) Methyl Acetate	2.45	43	29359m	22.37	ug/l	
19) Methyl tert-butyl Ether	2.54	73	123454	22.89	ug/l	95
20) Methylene Chloride	2.28	84	44975m	24.61	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	39353	20.66	ug/l	97
22) Diisopropyl ether	2.93	45	146946	21.93	ug/l	99
23) Vinyl Acetate	3.33	43	490797	111.07	ug/l	99
24) 1,1-Dichloroethane	2.99	63	88355	21.75	ug/l	99
25) 2-Butanone	4.50	43	106207	89.74	ug/l	96
26) 2,2-Dichloropropane	3.76	77	56568	19.19	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	58551	19.97	ug/l	94
28) Bromochloromethane	3.88	49	42324	23.14	ug/l #	95
29) Tetrahydrofuran	4.25	42	55062	105.59	ug/l	98
30) Chloroform	4.03	83	121371	20.88	ug/l	92
31) Cyclohexane	3.86	56	65177	18.36	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	93337	21.51	ug/l	94
36) 1,1-Dichloropropene	4.45	75	78562	19.89	ug/l	96
37) Ethyl Acetate	4.29	43	56952	23.34	ug/l	97
38) Carbon Tetrachloride	4.17	117	102630	23.98	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	78259	19.44	ug/l	97
40) Benzene	4.81	78	184834	20.16	ug/l	100
41) Methacrylonitrile	4.92	41	26578	22.17	ug/l #	87
42) 1,2-Dichloroethane	5.11	62	98855	24.05	ug/l	99
43) Isopropyl Acetate	7.11	43	65575	20.07	ug/l #	98
44) Trichloroethene	5.67	130	61652	21.53	ug/l	92
45) 1,2-Dichloropropane	6.40	63	53327	20.18	ug/l	99
46) Dibromomethane	6.25	93	41274	20.76	ug/l #	86
47) Bromodichloromethane	6.54	83	103967	22.98	ug/l	96
48) Methyl methacrylate	6.87	41	44614	22.15	ug/l	91
49) 1,4-Dioxane	6.87	88	5285	343.91	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	242688	108.35	ug/l	95
52) Toluene	7.78	92	133253	20.18	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	95231	21.74	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	102560	20.38	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	51356	21.47	ug/l	97
56) Ethyl methacrylate	8.75	69	61424	20.37	ug/l	96
57) 1,3-Dichloropropane	9.00	76	88433	21.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	22085	102.42	ug/l	100
59) 2-Hexanone	9.63	43	192065	108.41	ug/l	96
60) Dibromochloromethane	8.86	129	74817	21.76	ug/l	97
61) 1,2-Dibromoethane	9.14	107	58162	20.92	ug/l	95
64) Tetrachloroethene	8.30	164	69801	24.08	ug/l	94
65) Chlorobenzene	9.93	112	166936	21.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	69914	22.46	ug/l	95
67) Ethyl Benzene	10.03	91	289181	21.26	ug/l	95
68) m/p-Xylenes	10.26	106	205309	40.32	ug/l	92
69) o-Xylene	10.82	106	116679	21.20	ug/l	99
70) Styrene	10.90	104	172645	20.74	ug/l	99
71) Bromoform	10.89	173	48723	23.04	ug/l #	89
73) Isopropylbenzene	11.23	105	339614	20.49	ug/l	99
74) N-amyl acetate	11.46	43	118617	20.04	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	80186	20.41	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	60694	20.92	ug/l	97
77) Bromobenzene	11.59	156	84622	20.29	ug/l	91
78) n-propylbenzene	11.68	91	397698	20.28	ug/l	94
79) 2-Chlorotoluene	11.81	91	233525	20.15	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	282300	20.58	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	33372	17.74	ug/l	89
82) 4-Chlorotoluene	11.98	91	253035	20.51	ug/l	94
83) tert-Butylbenzene	12.21	119	283224	20.80	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	305251	21.48	ug/l	92
85) sec-Butylbenzene	12.39	105	381948	20.64	ug/l	100
86) p-Isopropyltoluene	12.54	119	323182	21.26	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	158340	20.56	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	157236	21.19	ug/l	96
89) n-Butylbenzene	12.91	91	326274	18.75	ug/l	92
90) Hexachloroethane	12.99	117	79010	21.11	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	158971	21.43	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16013	20.78	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	115080	22.18	ug/l	95
94) Hexachlorobutadiene	14.25	225	65938	21.96	ug/l	91
95) Naphthalene	14.52	128	239982	21.65	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	108266	22.58	ug/l	96

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

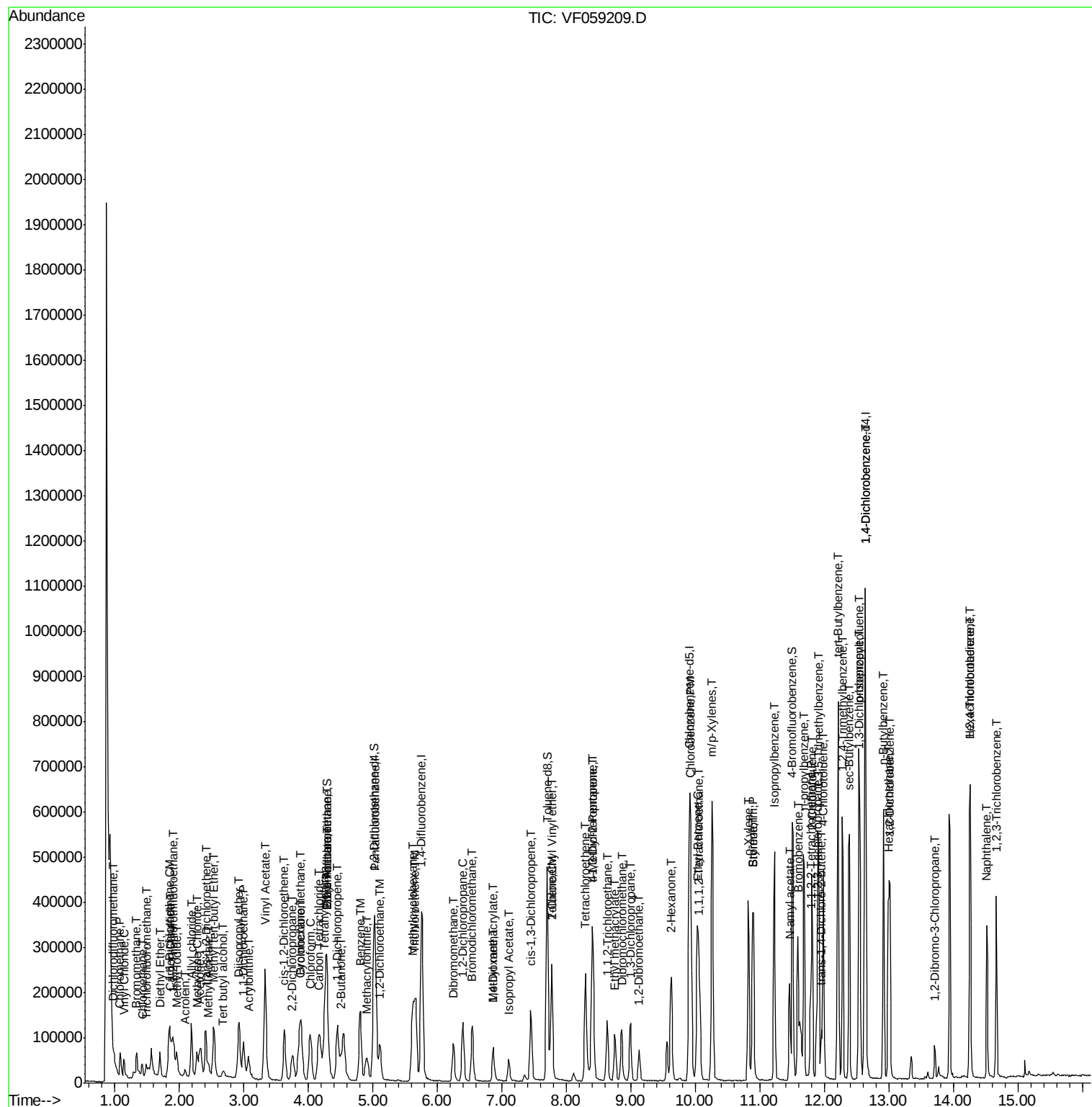
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
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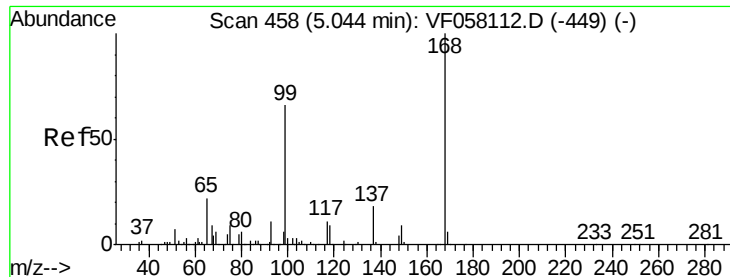
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion:168 Resp: 263631

Ion Ratio Lower Upper

168 100

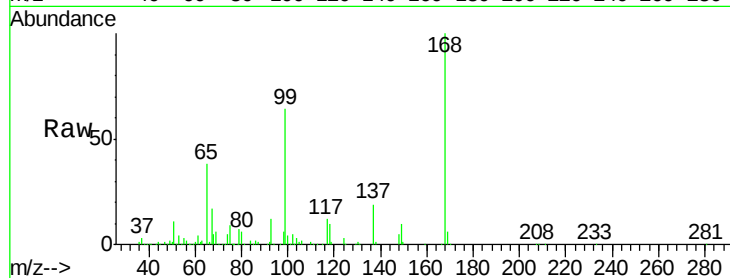
99 63.6 52.9 79.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

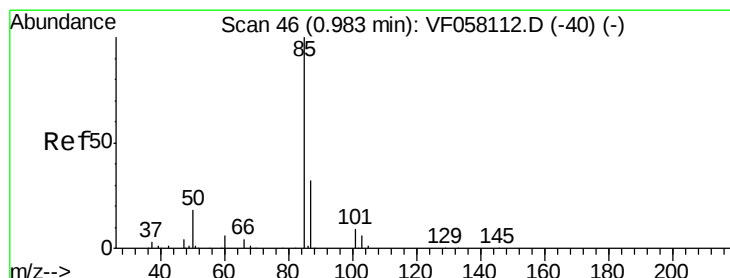
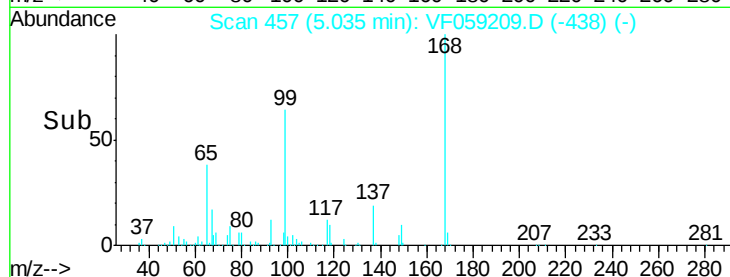
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.79 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059209.D

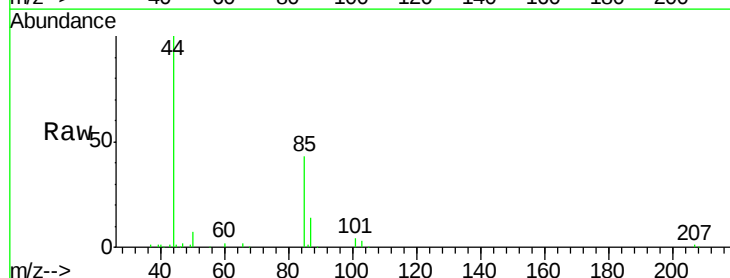
Acq: 20 Jun 2018 2:35

Tgt Ion: 85 Resp: 56078

Ion Ratio Lower Upper

85 100

87 31.2 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

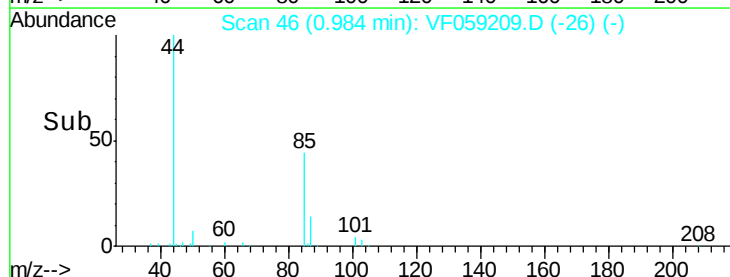
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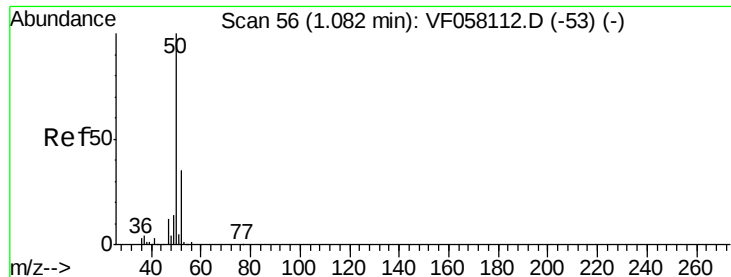
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.18 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 50 Resp: 39716

Ion Ratio Lower Upper

50 100

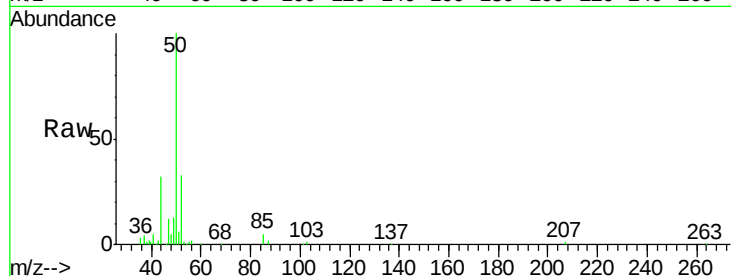
52 33.0 27.3 40.9

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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

30000

25000

20000

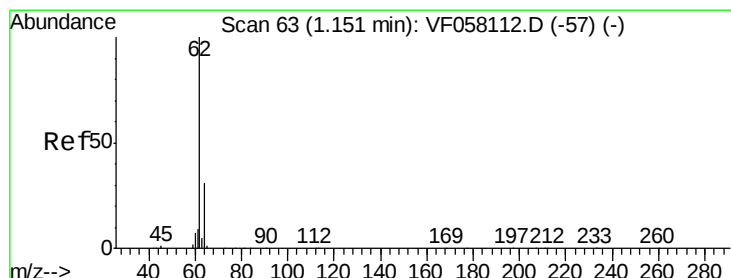
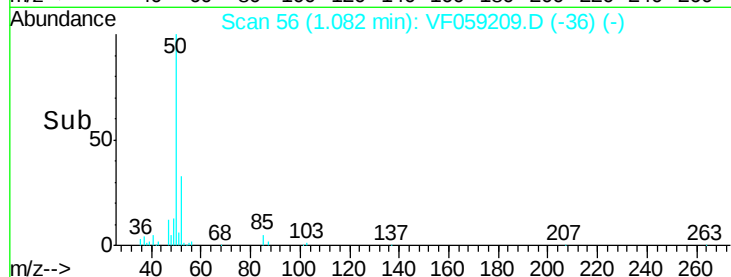
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 18.97 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059209.D

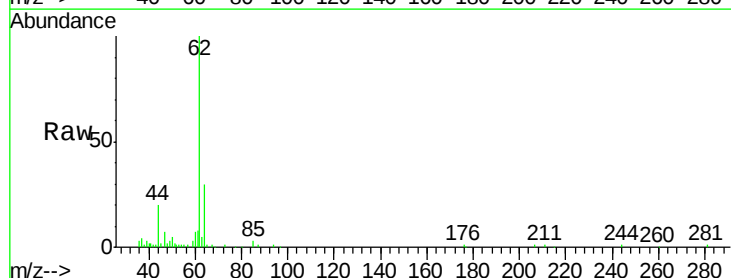
Acq: 20 Jun 2018 2:35

Tgt Ion: 62 Resp: 39552

Ion Ratio Lower Upper

62 100

64 30.3 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.14

25000

20000

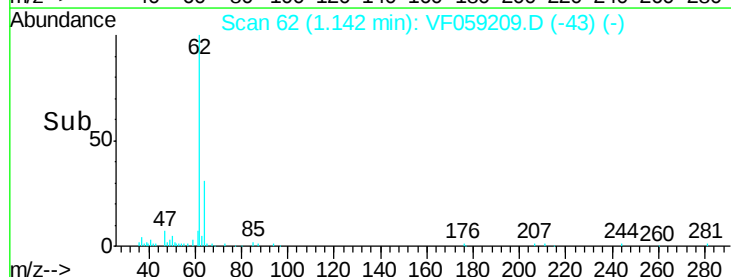
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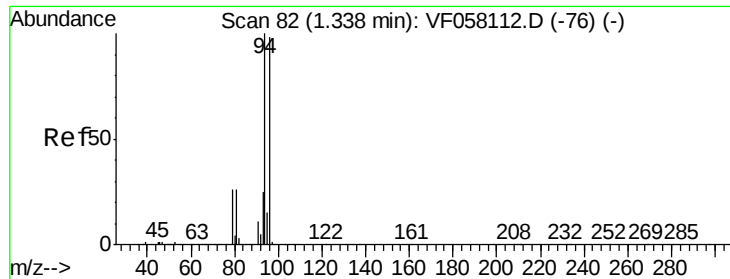
10000

5000

0

Time-->





#5

Bromomethane

Concen: 21.08 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 94 Resp: 25618

Ion Ratio Lower Upper

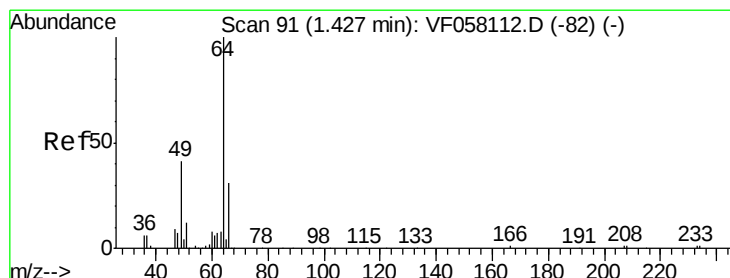
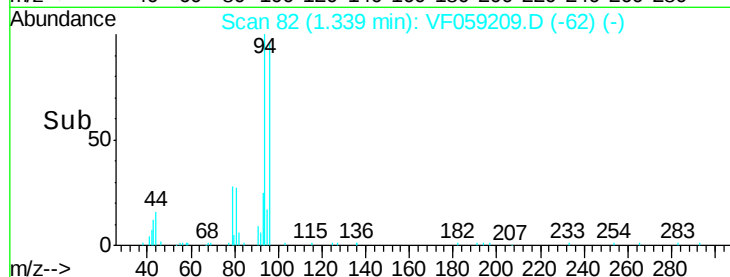
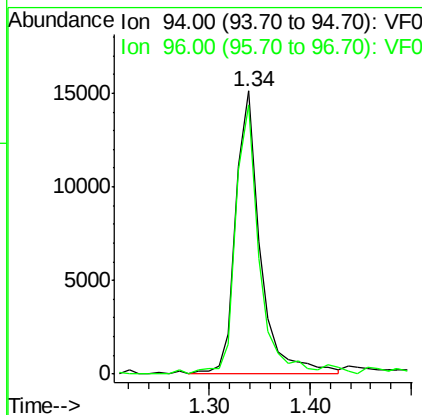
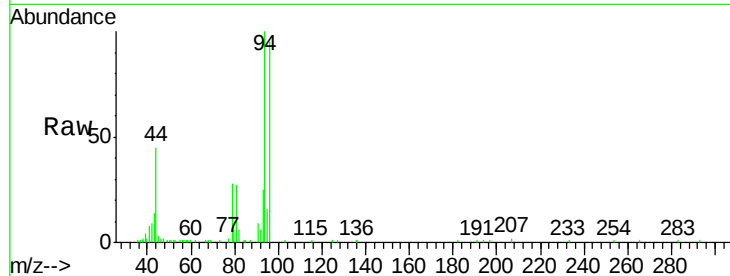
94 100

96 95.1 78.6 117.8

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#6

Chloroethane

Concen: 21.52 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059209.D

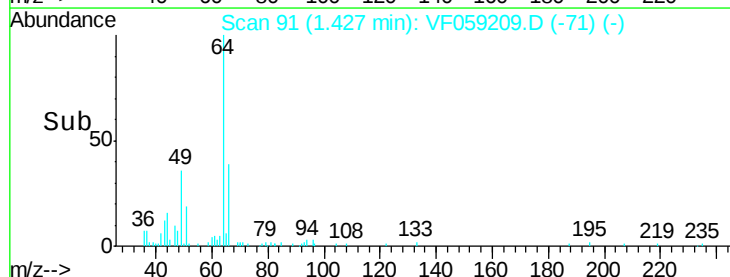
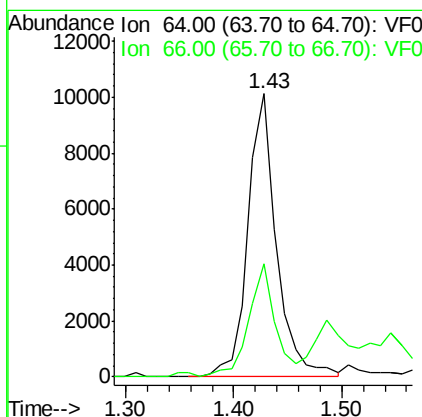
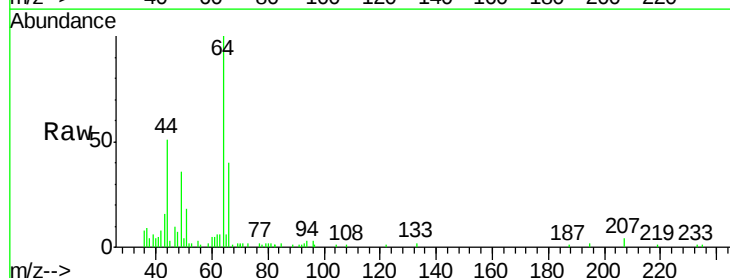
Acq: 20 Jun 2018 2:35

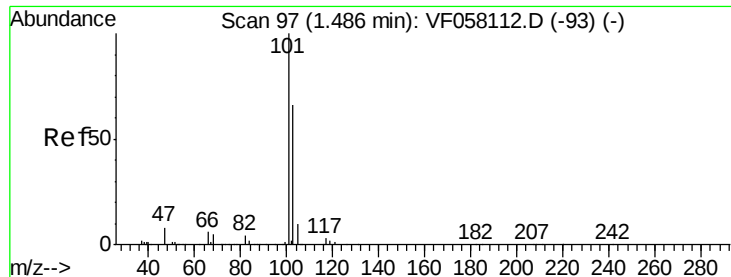
Tgt Ion: 64 Resp: 18617

Ion Ratio Lower Upper

64 100

66 40.1 24.9 37.3#





#7

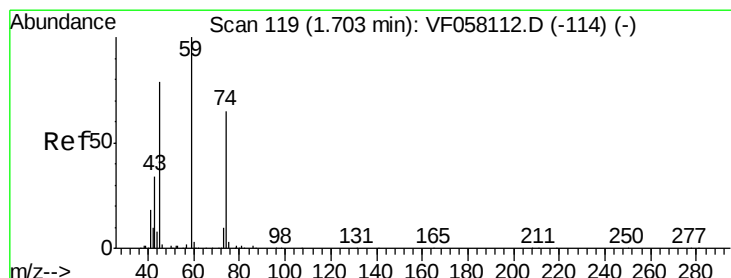
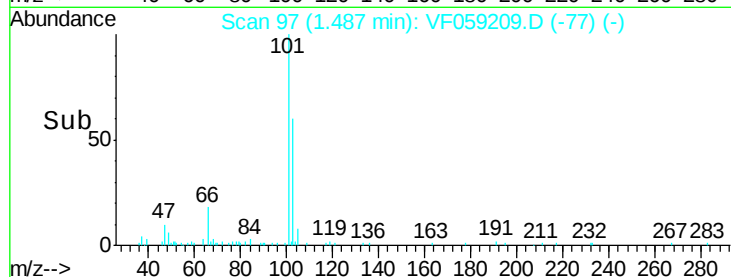
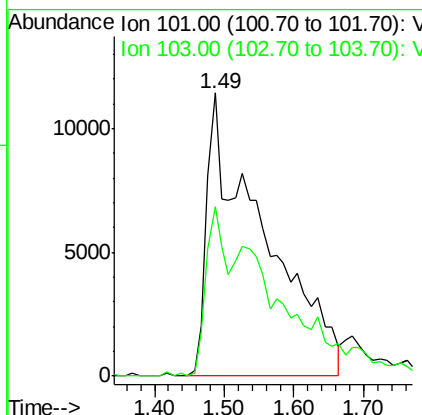
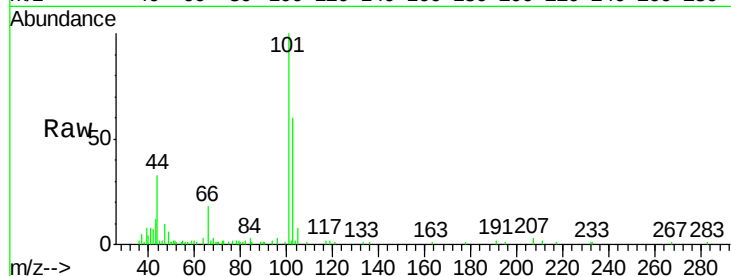
Trichlorofluoromethane
Concen: 19.76 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	53.4	80.2

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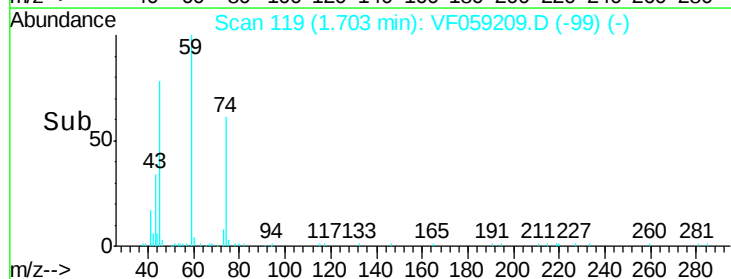
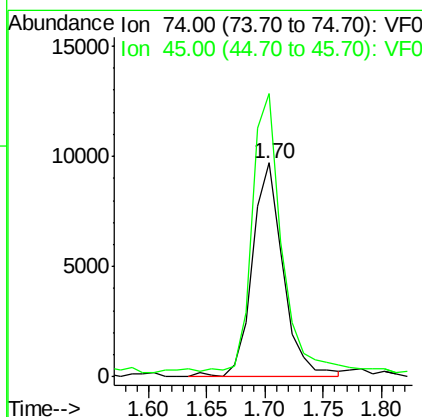
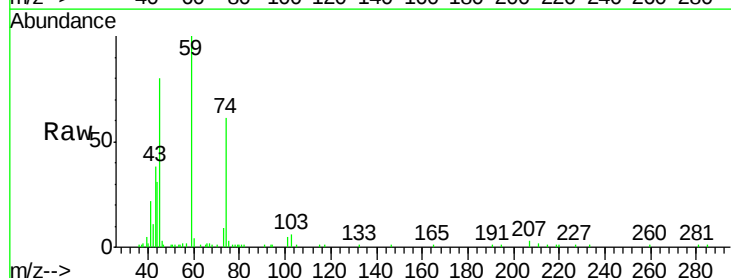
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#8

Diethyl Ether
Concen: 21.90 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.4	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.73 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

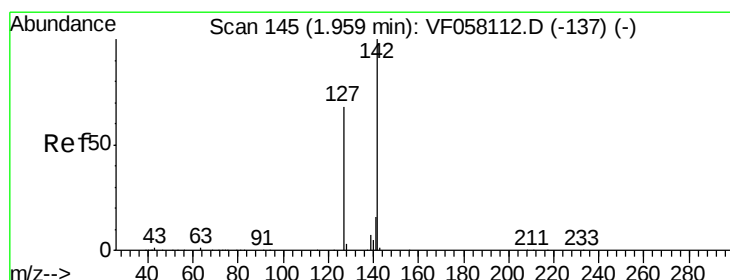
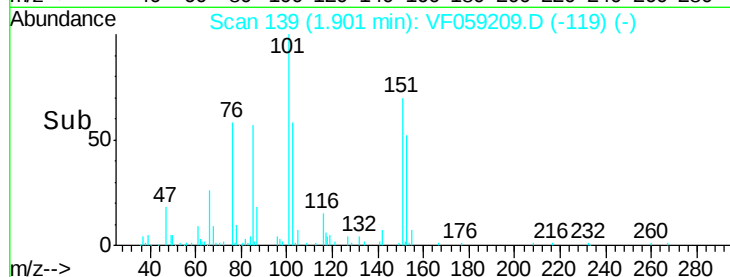
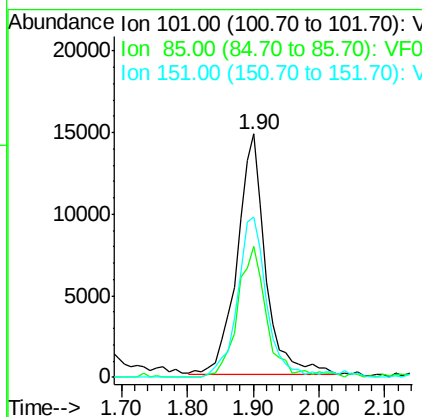
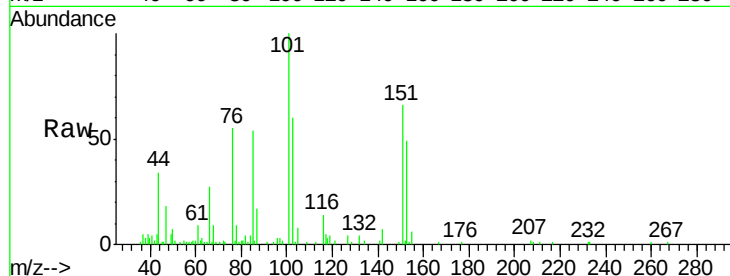
ClientSampleId :

VF0619SBS02

Tot Ion:	101	Resp:	44895
Ion Ratio	Lower	Upper	
101	100		
85	53.9	42.2	63.4
151	66.0	56.8	85.2

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#10

Methyl Iodide

Concen: 20.63 ug/l

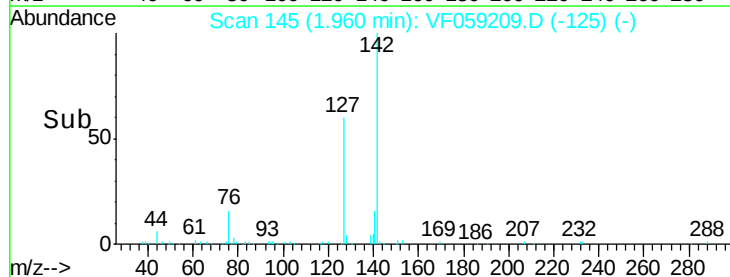
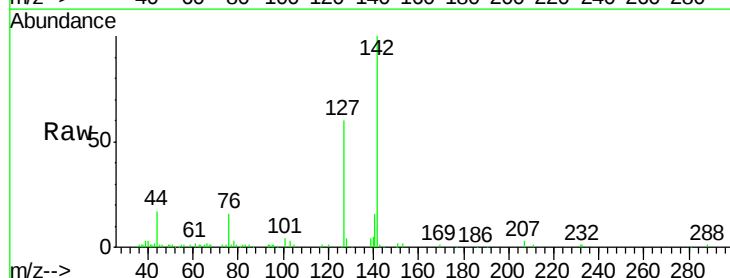
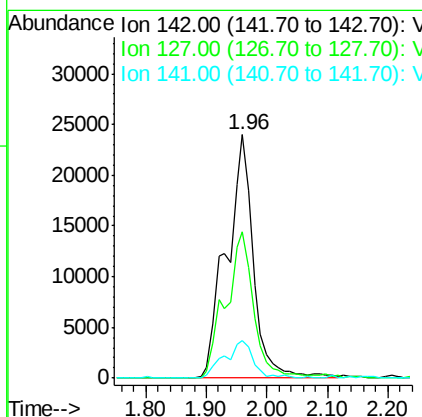
RT: 1.96 min Scan# 145

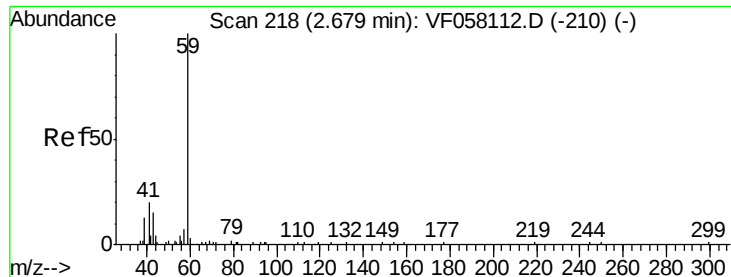
Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion:	142	Resp:	74579
Ion Ratio	Lower	Upper	
142	100		
127	59.9	54.1	81.1
141	15.6	13.0	19.4





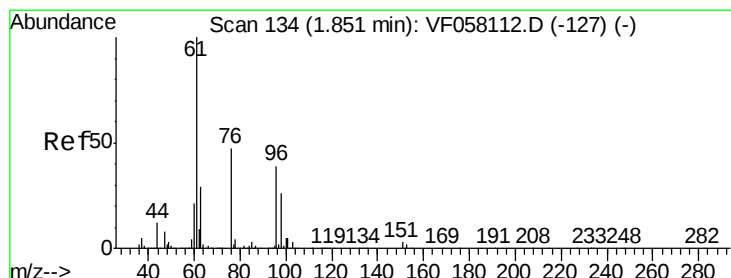
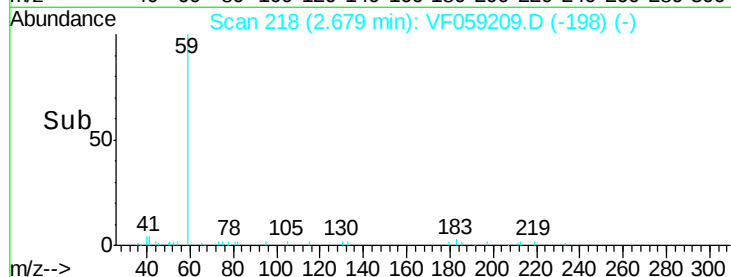
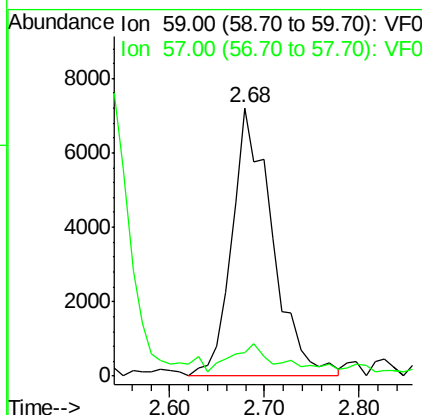
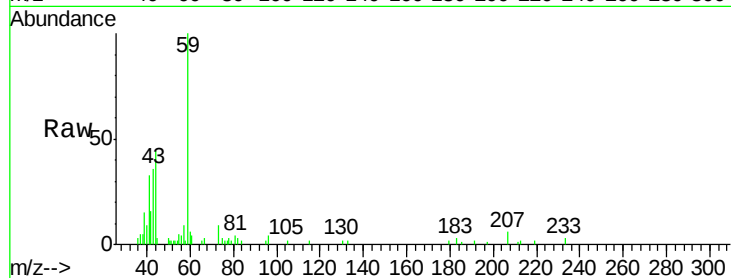
#11
Tert butyl alcohol
Concen: 103.92 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.7	13.1

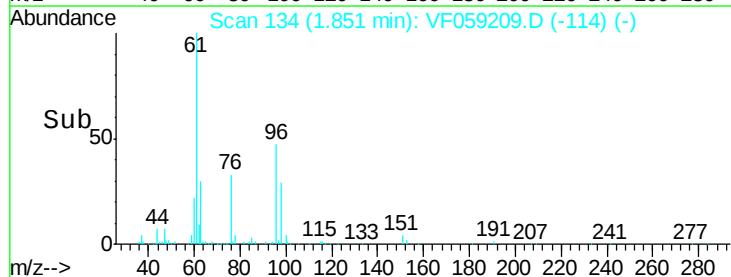
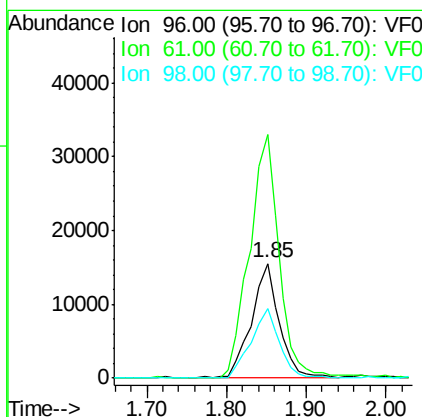
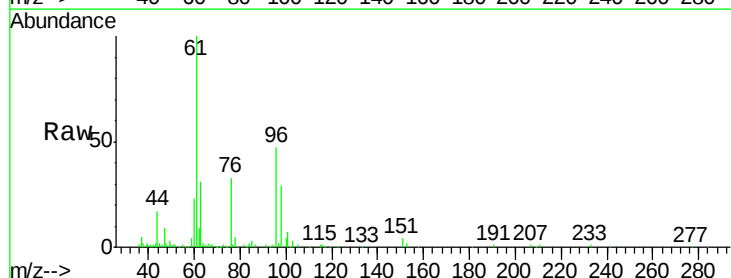
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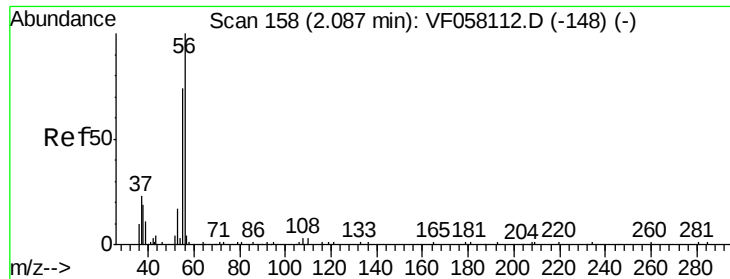
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#12
1,1-Dichloroethene
Concen: 20.92 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	212.3	203.0	304.4
98	60.9	52.7	79.1





#13

Acrolein

Concen: 71.92 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 56 Resp: 12752

Ion Ratio Lower Upper

56 100

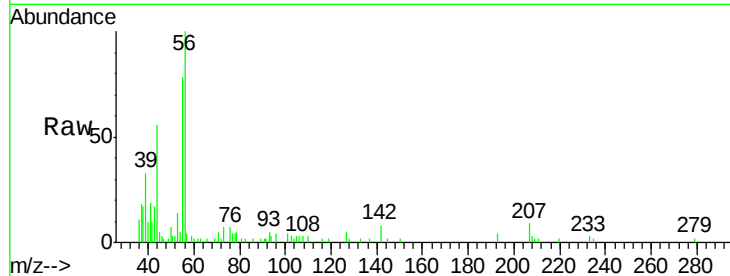
55 78.3 60.0 90.0

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.09

6000

5000

4000

3000

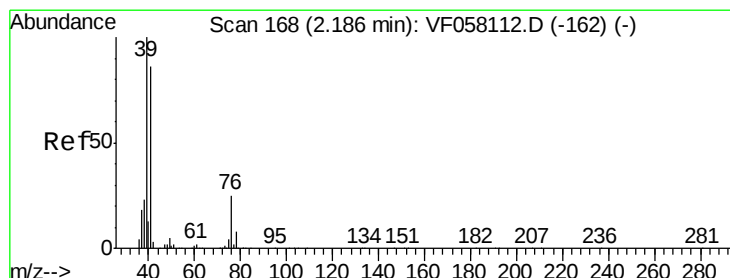
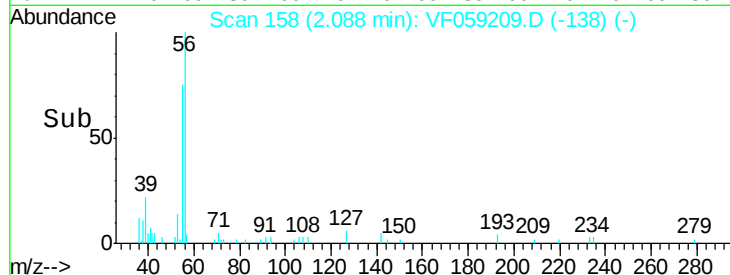
2000

1000

0

Time-->

2.00 2.10 2.20



#14

Allyl chloride

Concen: 18.91 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

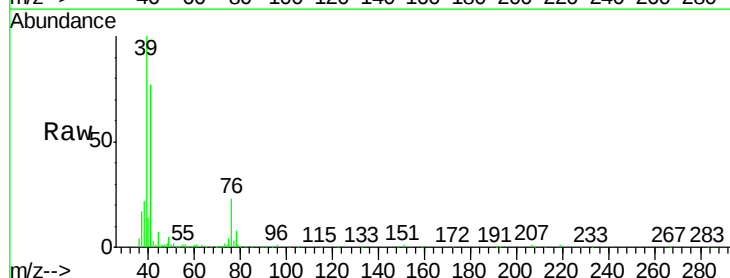
Tgt Ion: 41 Resp: 64460

Ion Ratio Lower Upper

41 100

39 129.8 93.5 140.3

76 29.3 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

50000

40000

30000

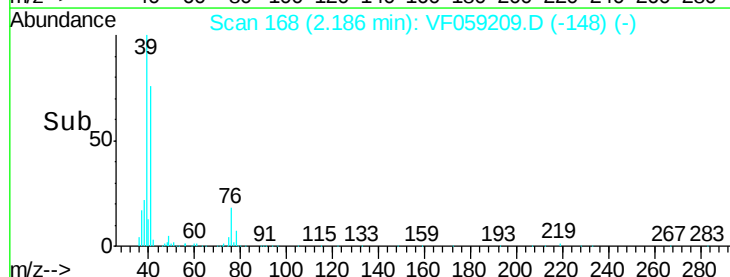
20000

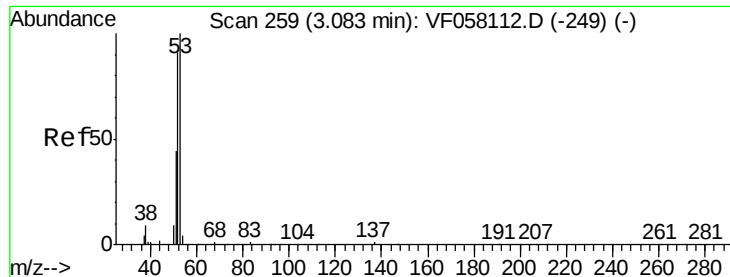
10000

0

Time-->

2.10 2.20 2.30





#15

Acrylonitrile

Concen: 100.59 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

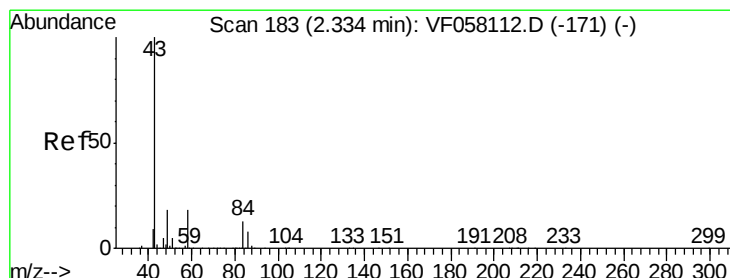
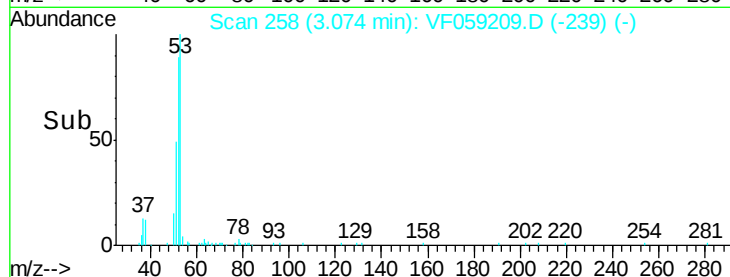
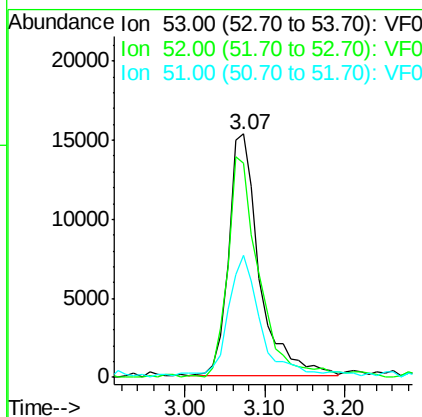
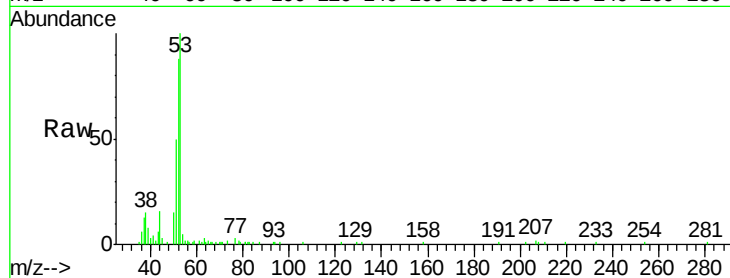
ClientSampleId :

VF0619SBS02

Tot Ion:	53	Resp:	40927
Ion	Ratio	Lower	Upper
53	100		
52	87.8	73.2	109.8
51	50.3	35.6	53.4

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#16

Acetone

Concen: 88.19 ug/l

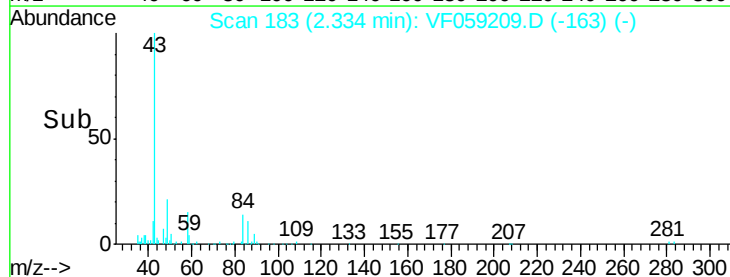
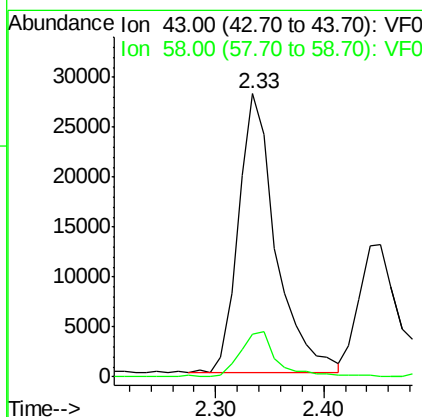
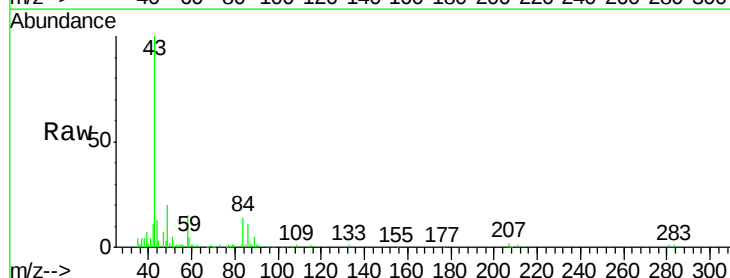
RT: 2.33 min Scan# 183

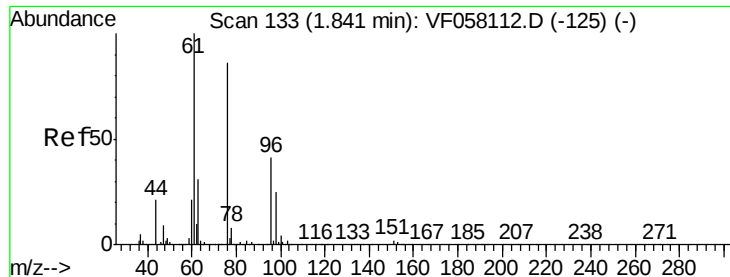
Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion:	43	Resp:	67326
Ion	Ratio	Lower	Upper
43	100		
58	15.1	14.4	21.6





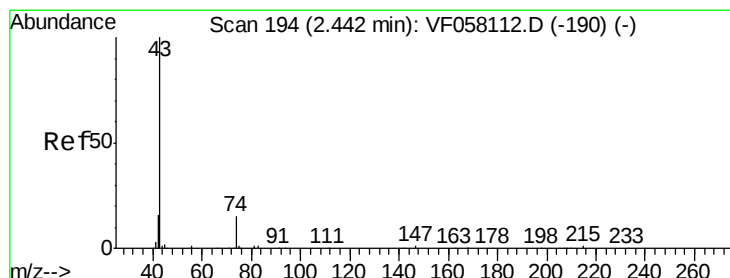
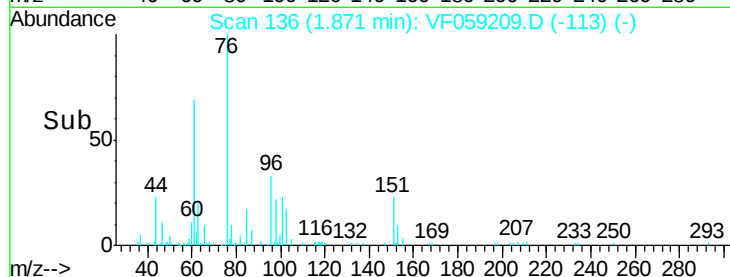
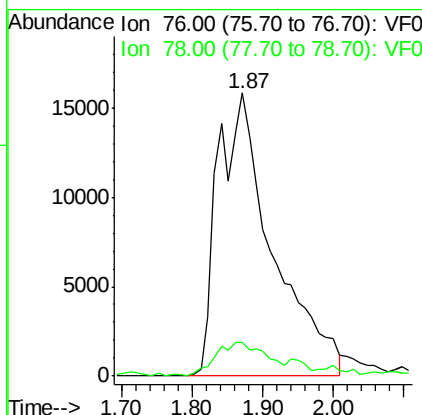
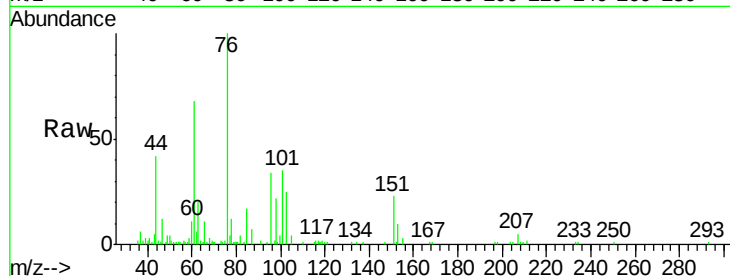
#17
Carbon Disulfide
Concen: 17.53 ug/l m
RT: 1.87 min Scan# 136
Delta R.T. 0.03 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.0	7.8	11.8#

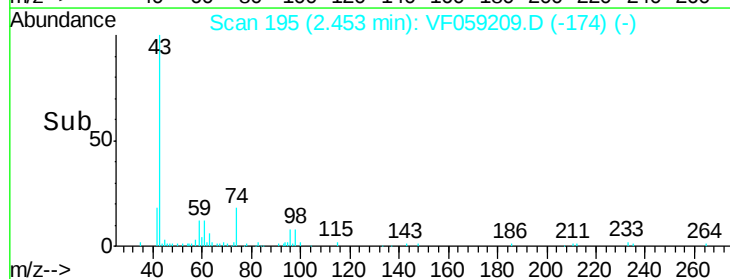
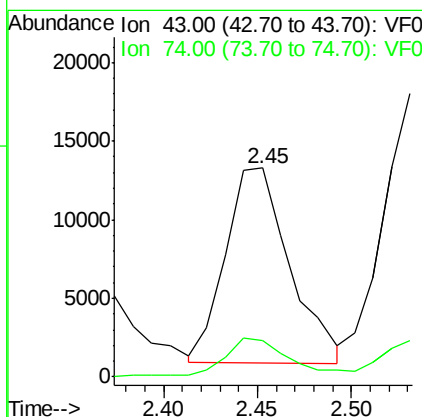
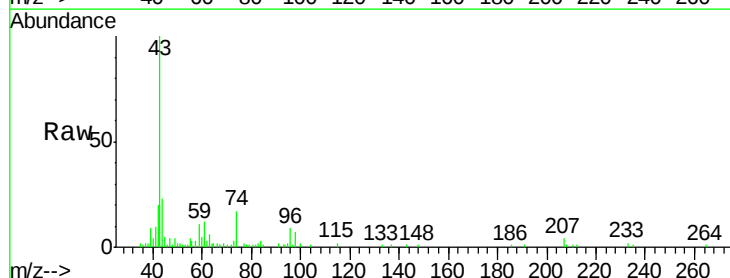
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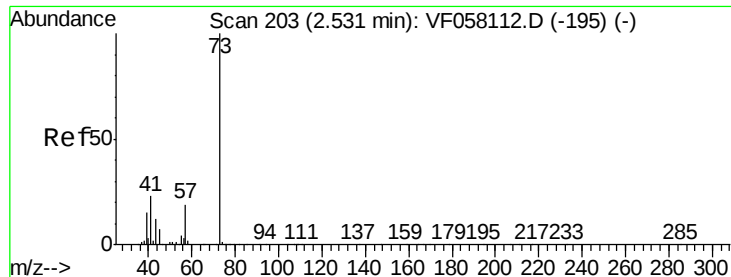
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#18
Methyl Acetate
Concen: 22.37 ug/l m
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.4	10.9	16.3#





#19

Methyl tert-butyl Ether

Concen: 22.89 ug/l

RT: 2.54 min Scan# 204

Delta R.T. 0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

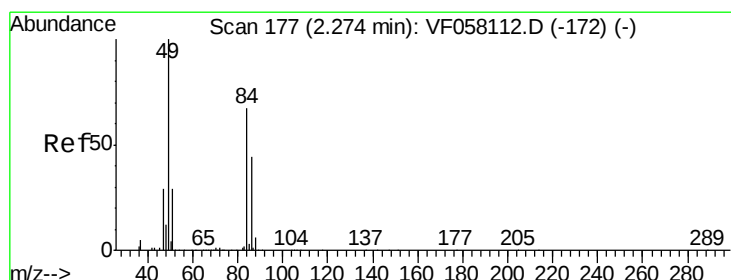
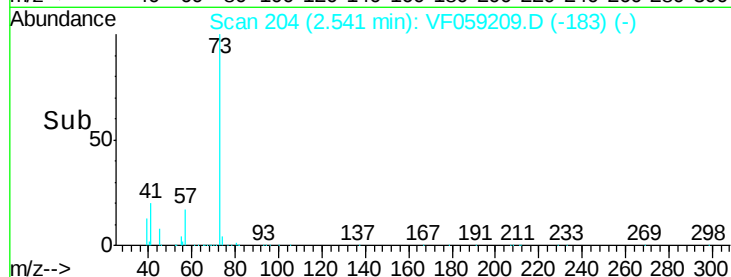
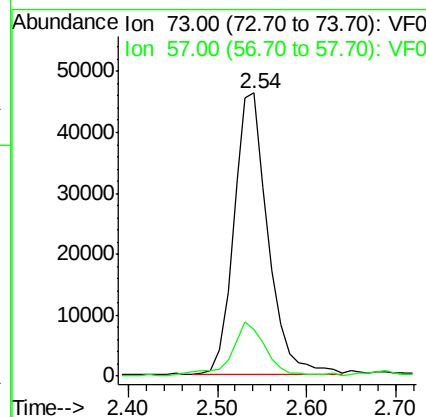
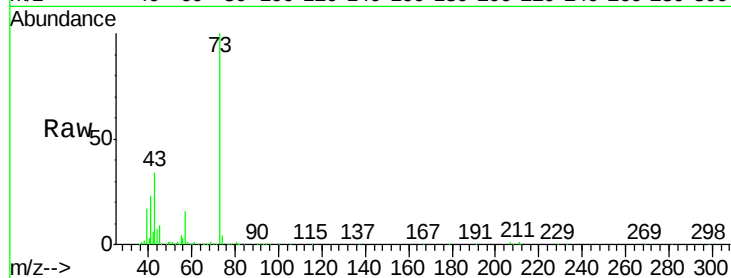
Instrument :
MSVOA_F

ClientSampleID :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.4	15.0	22.4

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#20

Methylene Chloride

Concen: 24.61 ug/l m

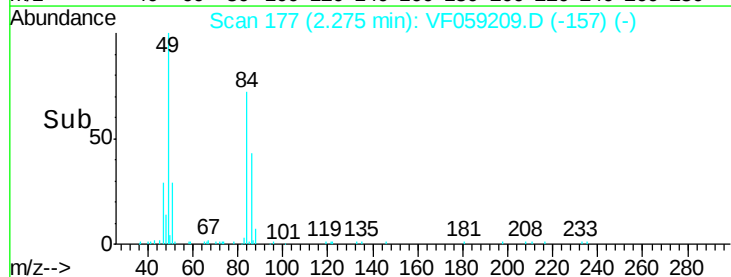
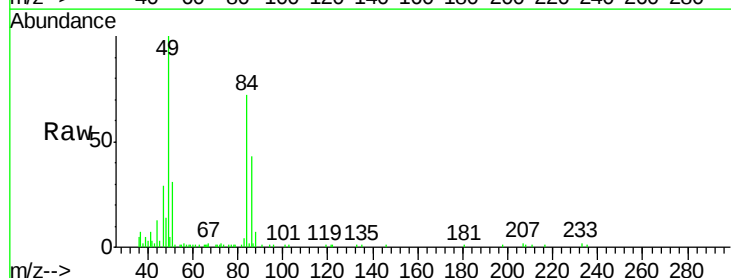
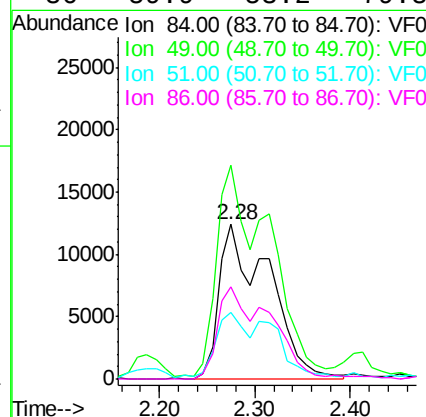
RT: 2.28 min Scan# 177

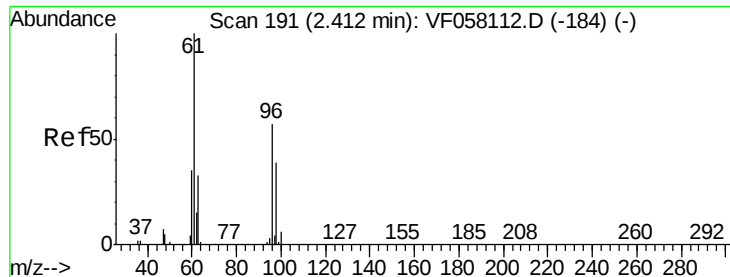
Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.3	121.0	181.4
51	42.9	35.8	53.6
86	59.9	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 20.66 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

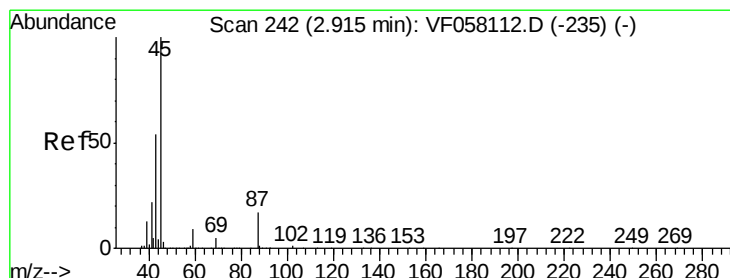
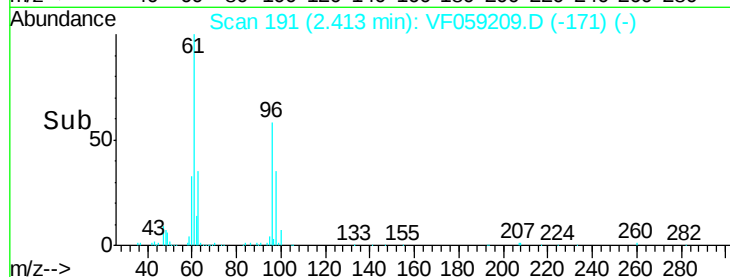
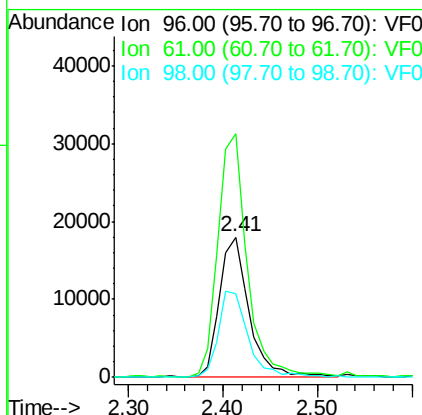
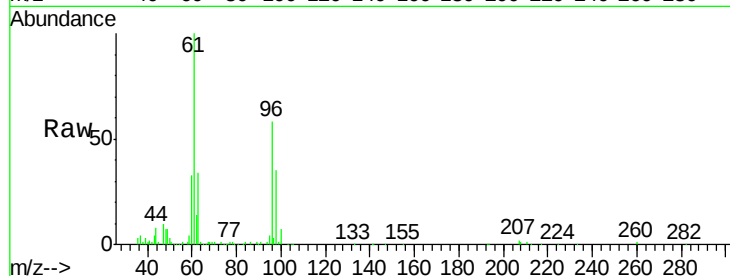
ClientSampleId :

VF0619SBS02

Tot Ion:	96	Resp:	39353
Ion Ratio	Lower	Upper	
96	100		
61	173.3	139.4	209.2
98	59.9	54.0	81.0

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#22

Diisopropyl ether

Concen: 21.93 ug/l

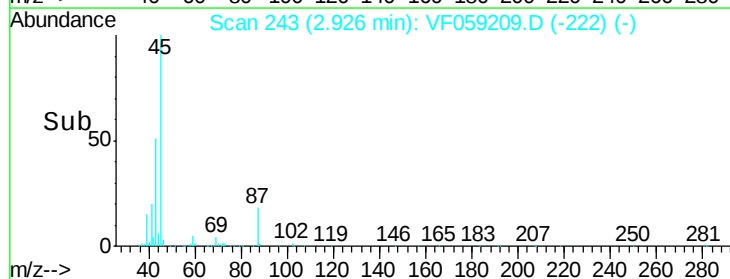
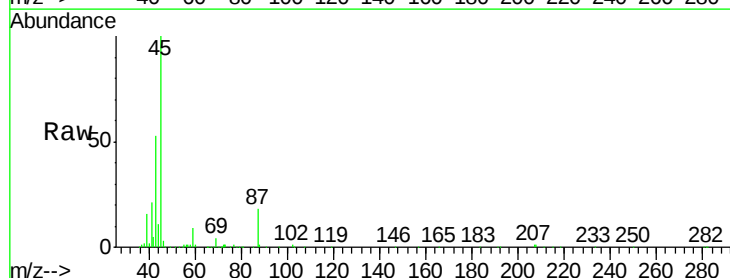
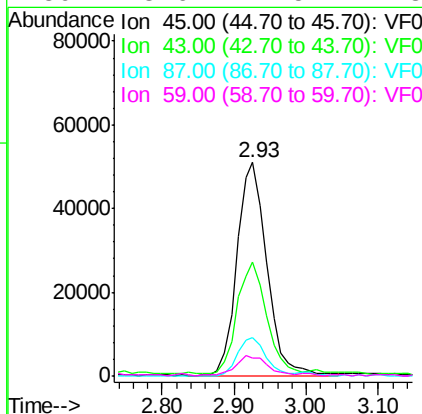
RT: 2.93 min Scan# 243

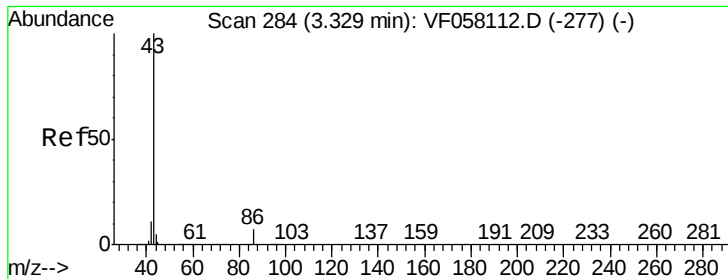
Delta R.T. 0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion:	45	Resp:	146946
Ion Ratio	Lower	Upper	
45	100		
43	53.1	43.2	64.8
87	17.8	13.8	20.6
59	8.6	7.5	11.3





#23

Vinyl Acetate

Concen: 111.07 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 43 Resp: 490797

Ion Ratio Lower Upper

43 100

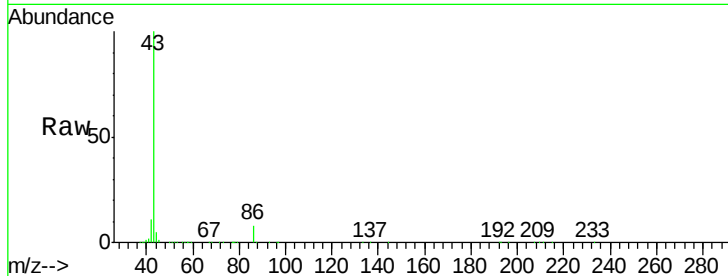
86 8.0 6.0 9.0

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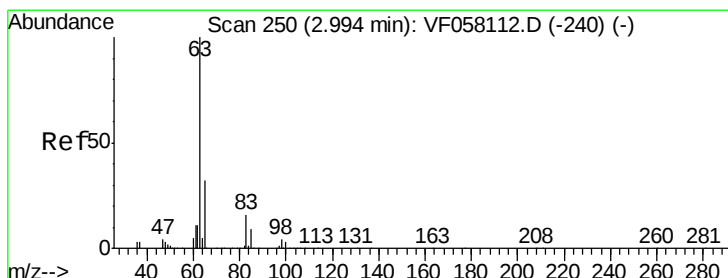
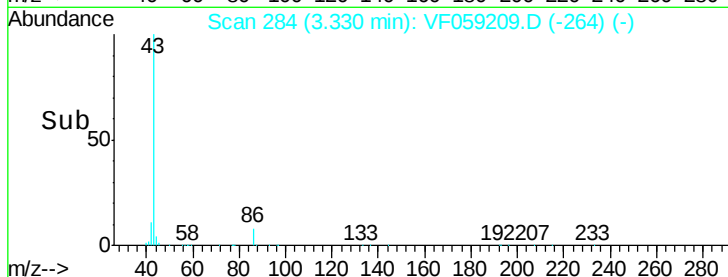
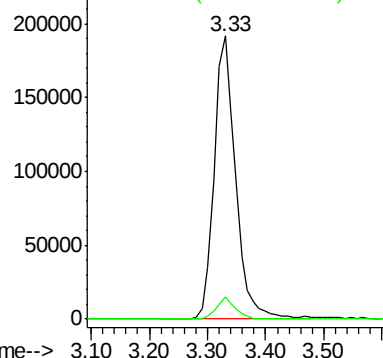
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.75 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

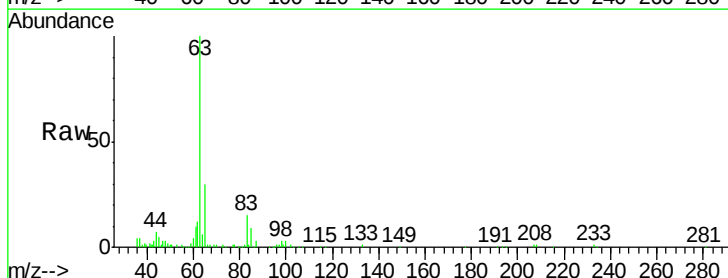
Tgt Ion: 63 Resp: 88355

Ion Ratio Lower Upper

63 100

98 3.4 2.0 6.0

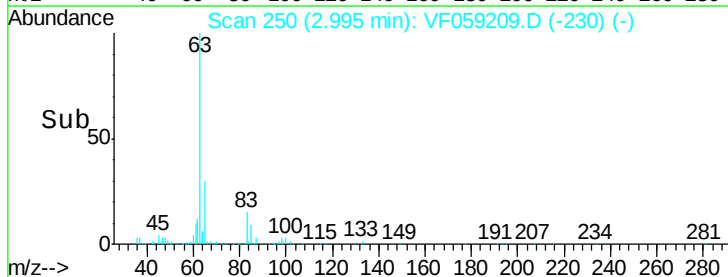
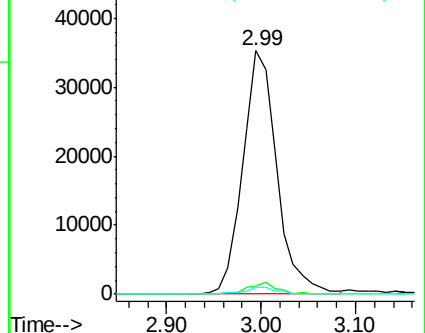
100 2.8 1.4 4.0

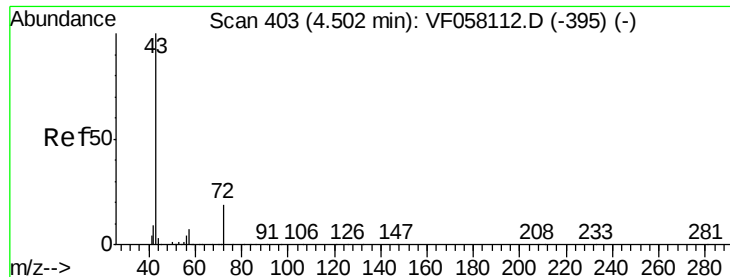


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 89.74 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tot Ion: 43 Resp: 106207

Ion Ratio Lower Upper

43 100

72 21.7 16.1 24.1

Instrument :

MSVOA_F

ClientSampleId :

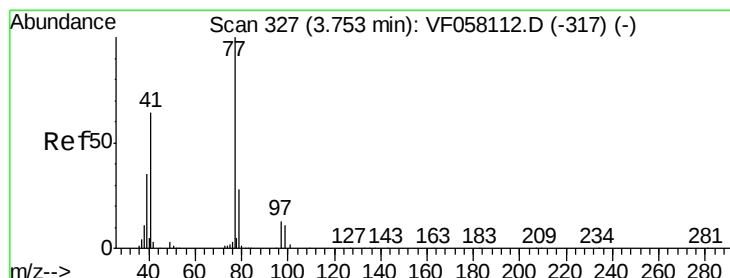
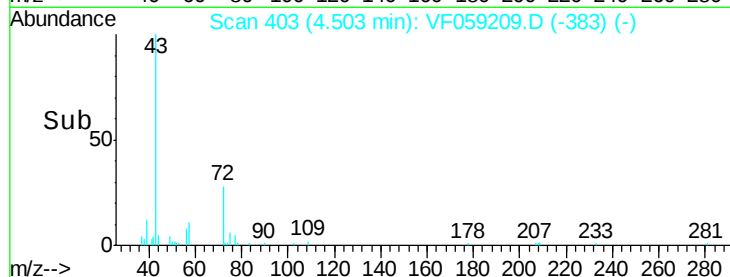
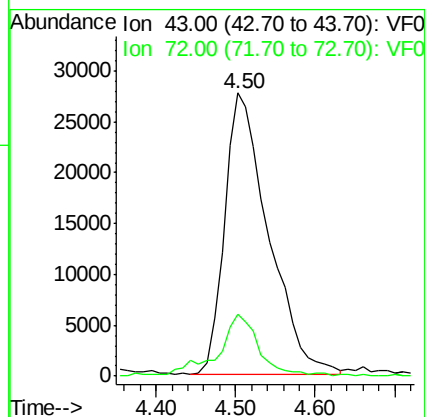
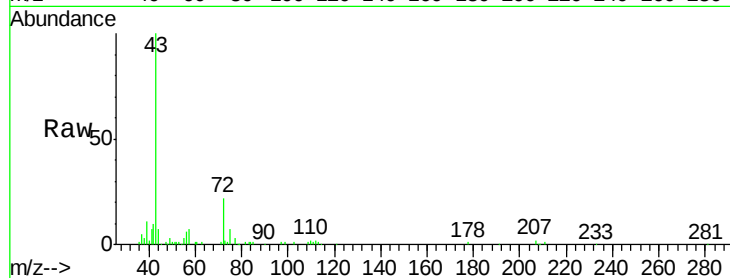
VF0619SBS02

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#26

2,2-Dichloropropane

Concen: 19.19 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059209.D

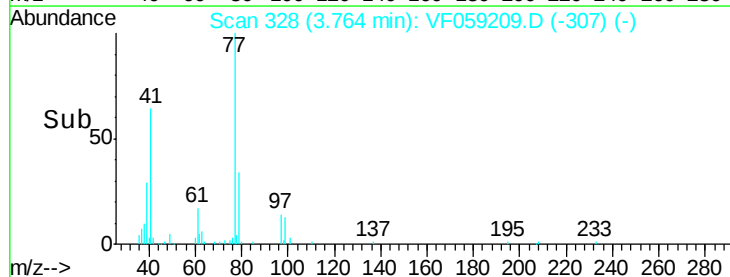
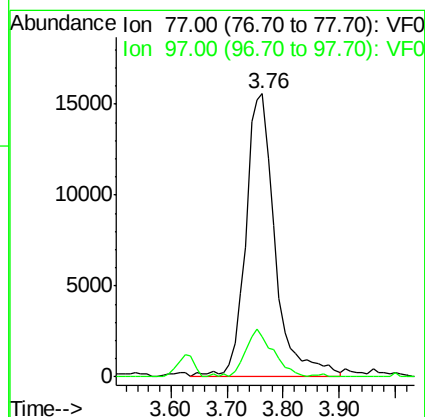
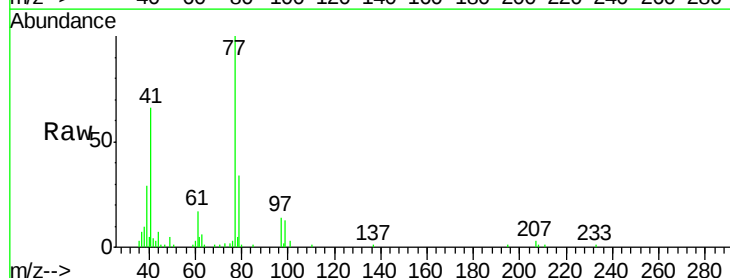
Acq: 20 Jun 2018 2:35

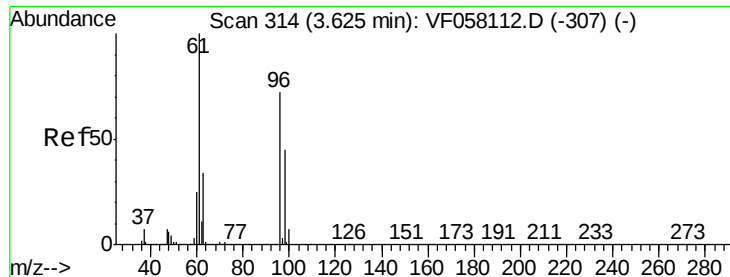
Tgt Ion: 77 Resp: 56568

Ion Ratio Lower Upper

77 100

97 14.0 7.2 21.6





#27

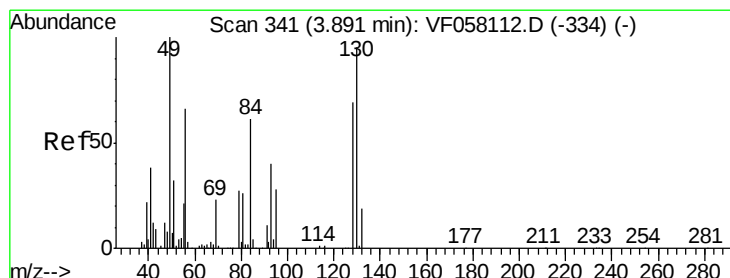
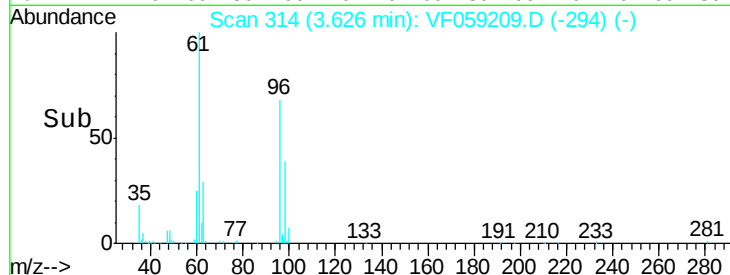
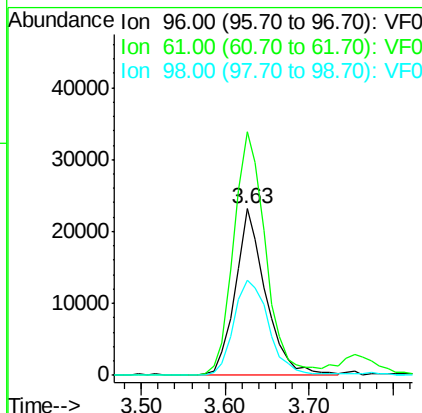
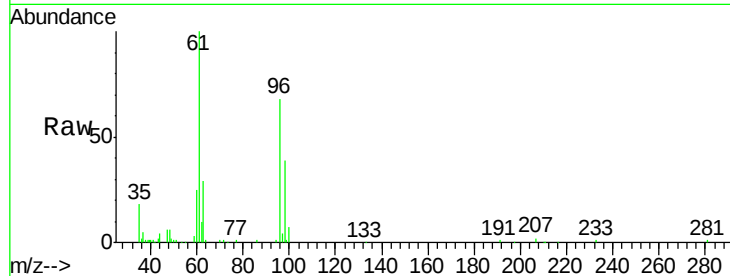
cis-1,2-Dichloroethene
Concen: 19.97 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	58551		
61	146.2	0.0	278.6	
98	57.0	0.0	125.2	

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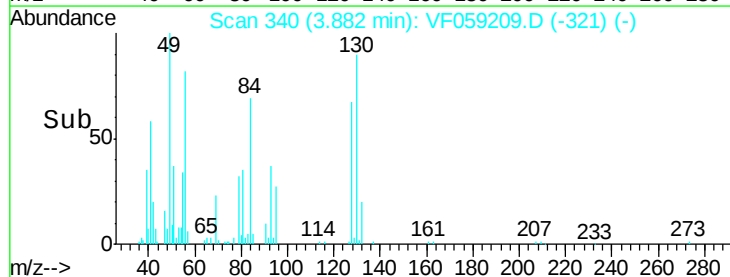
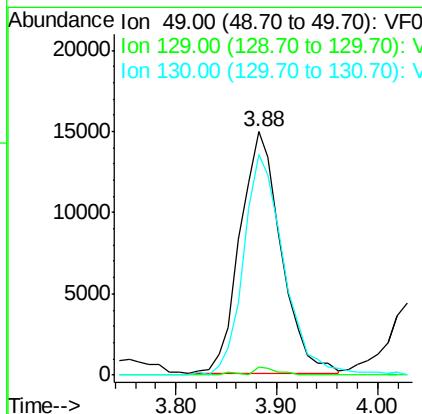
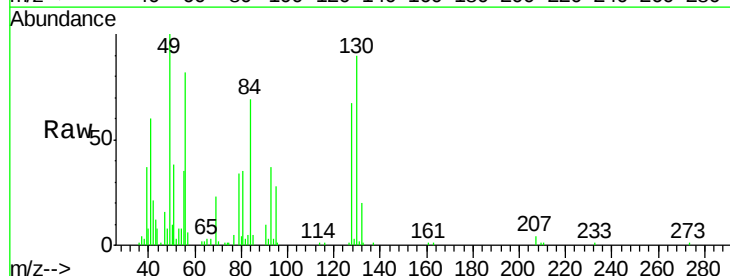
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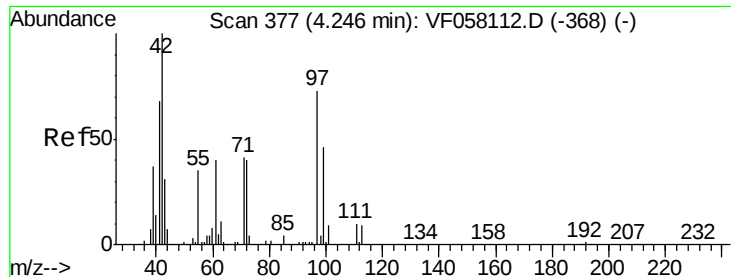


#28

Bromochloromethane
Concen: 23.14 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42324		
129	3.4	0.0	0.0#	
130	90.4	75.8	113.8	





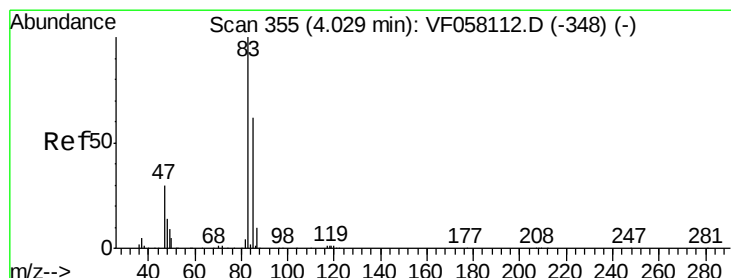
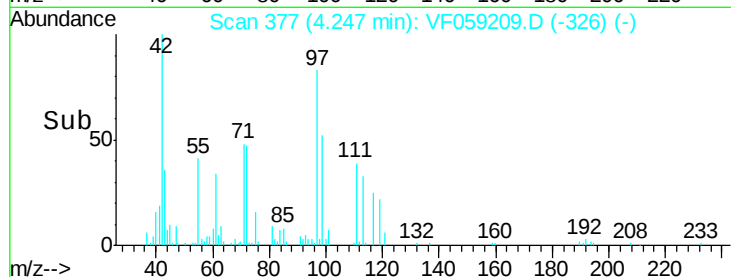
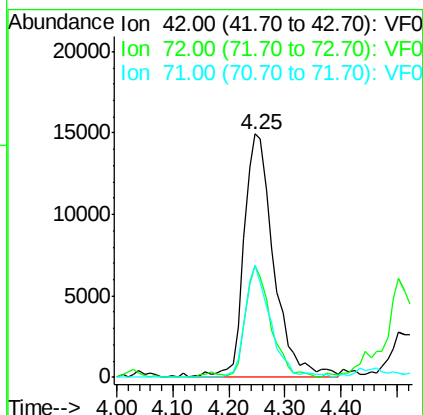
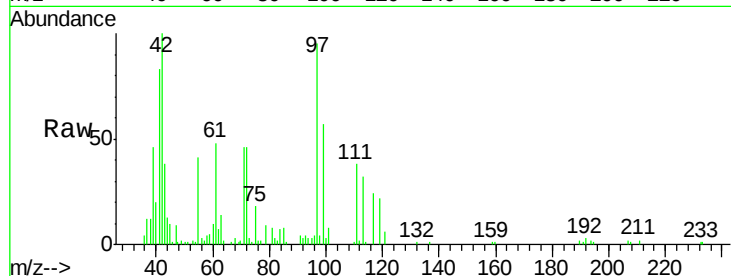
#29
Tetrahydrofuran
Concen: 105.59 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.5	45.7
71	38.0	31.5	47.3

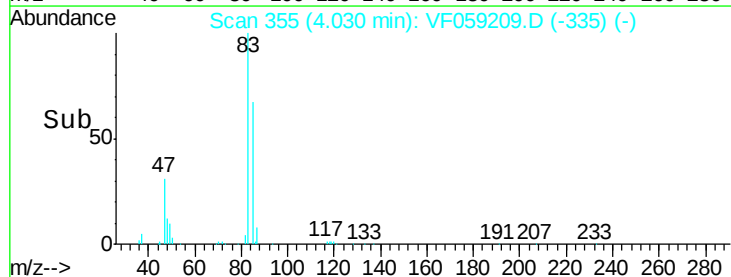
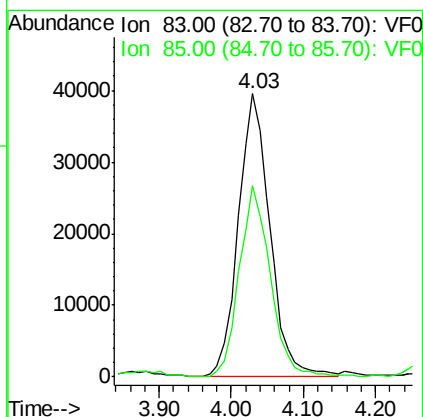
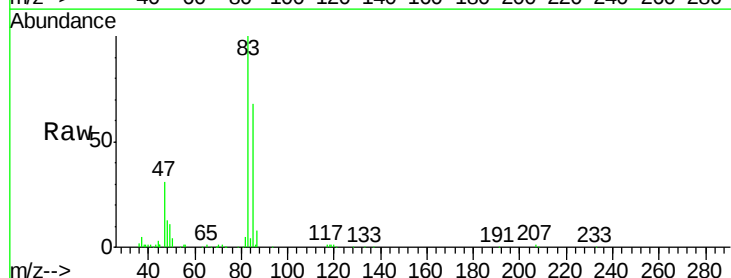
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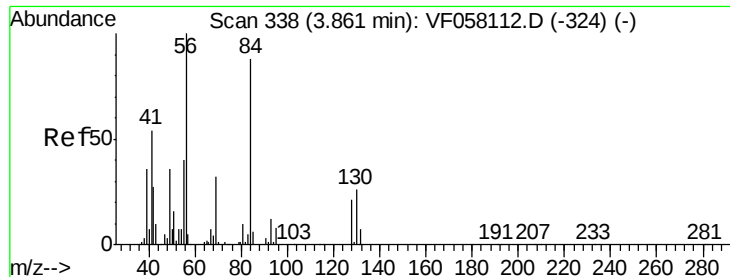
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#30
Chloroform
Concen: 20.88 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	49.5	74.3





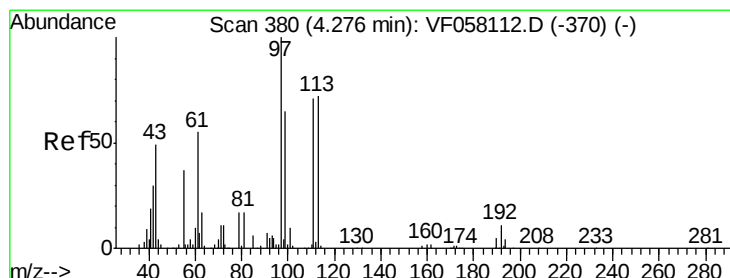
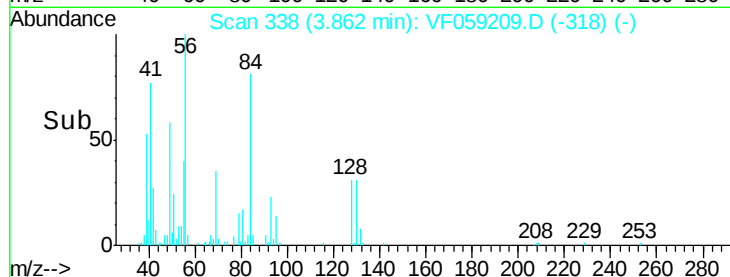
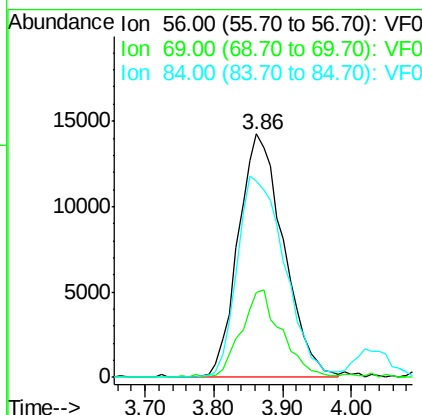
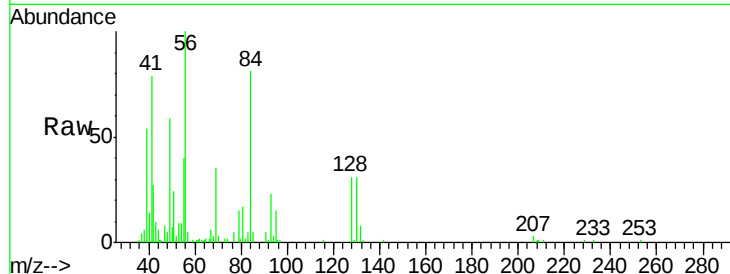
#31
Cyclohexane
Concen: 18.36 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	25.9	38.9
84	80.7	70.3	105.5

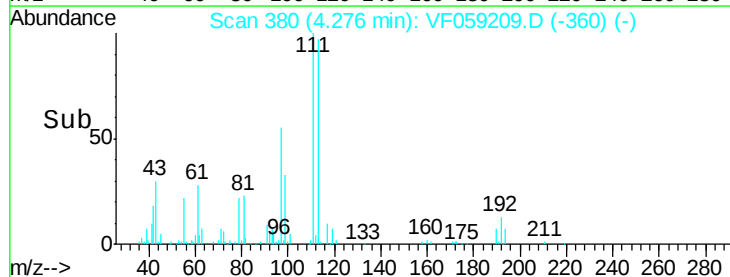
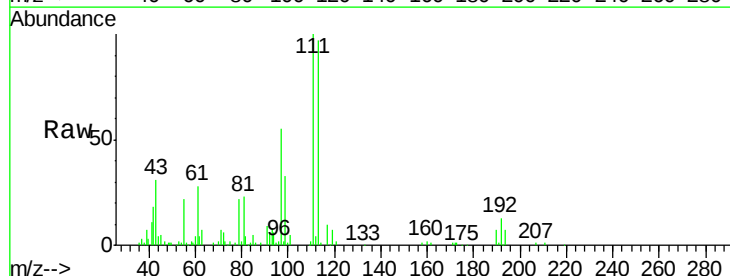
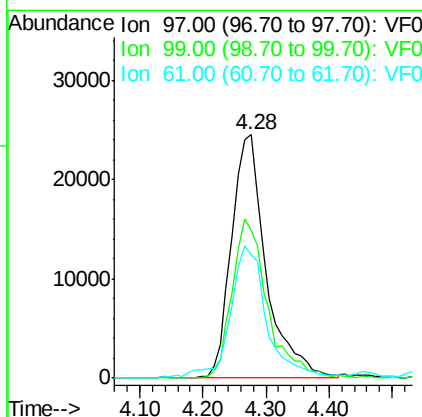
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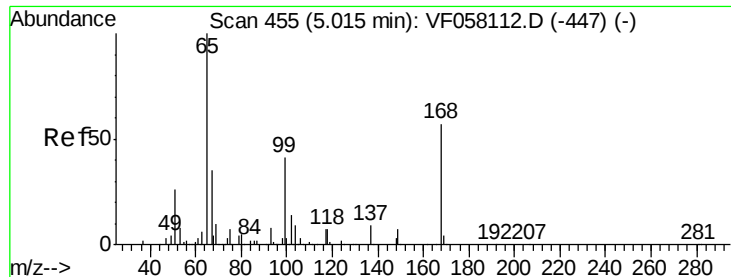
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#32
1,1,1-Trichloroethane
Concen: 21.51 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.8	52.0	78.0
61	50.5	44.3	66.5





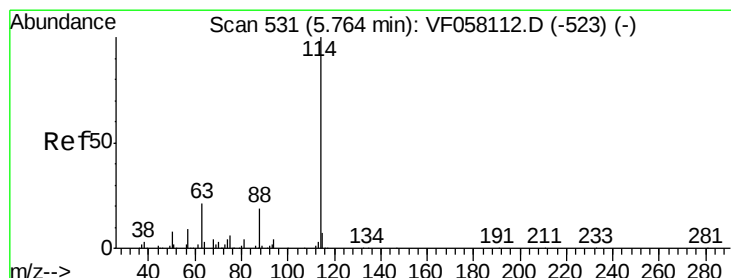
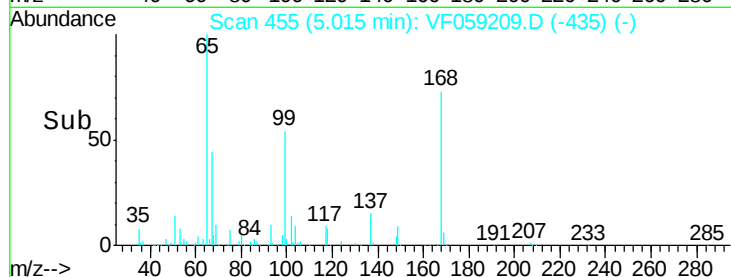
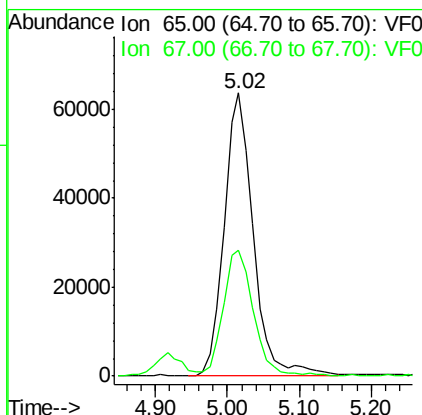
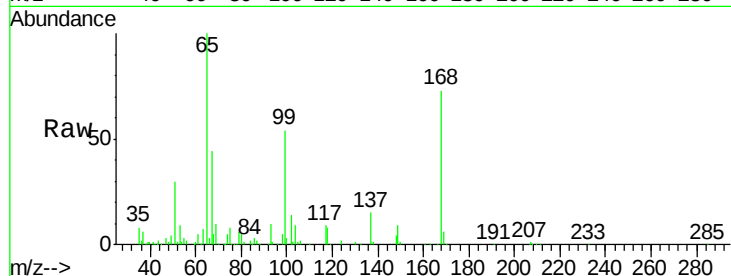
#33
 1,2-Dichloroethane-d4
 Concen: 55.39 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	177091		
67	44.4	0.0	97.0	

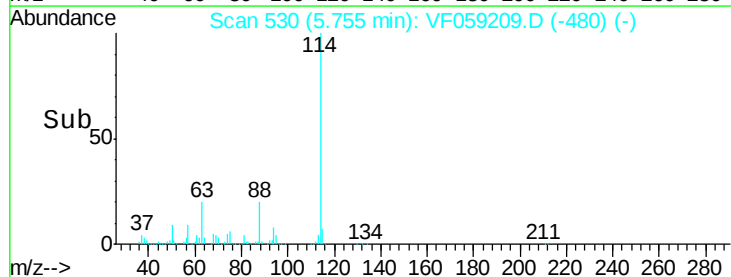
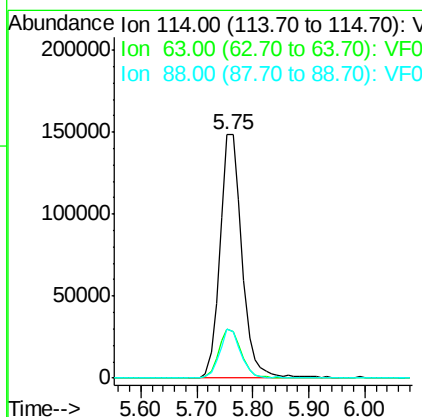
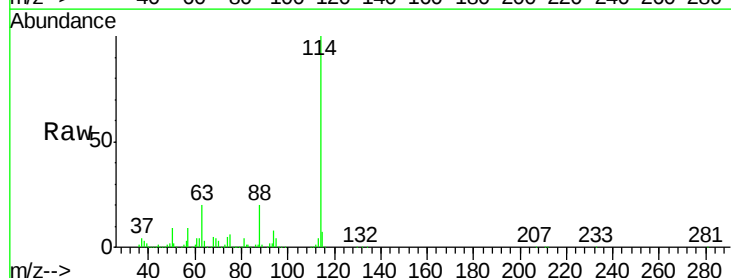
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	407421		
63	20.2	0.0	41.6	
88	19.9	0.0	38.8	





#35

Dibromofluoromethane

Concen: 55.72 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

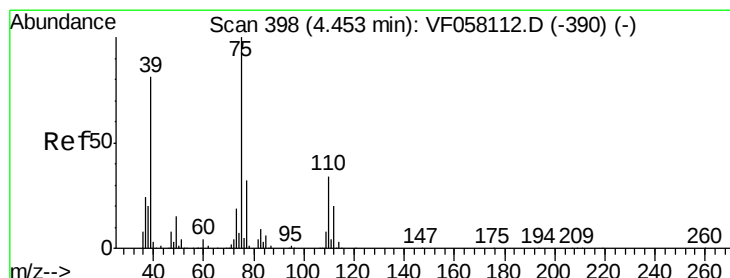
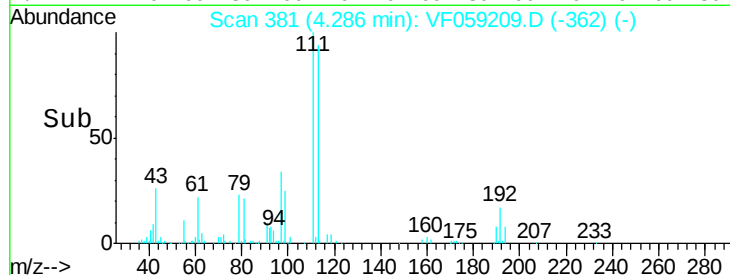
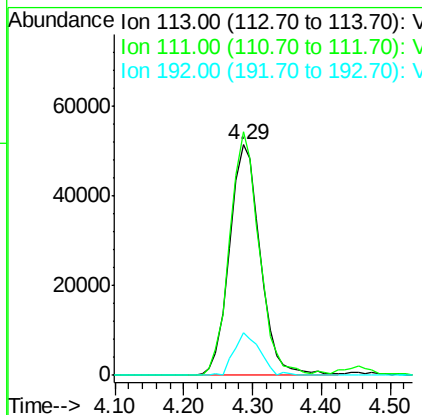
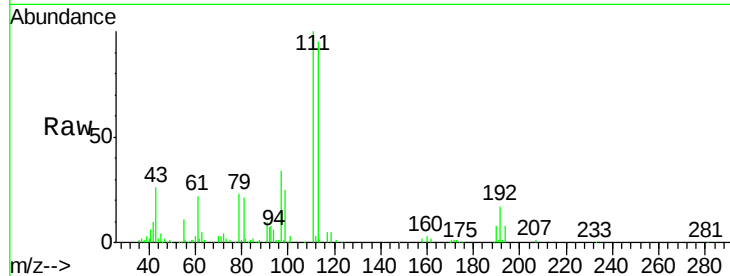
ClientSampleId :

VF0619SBS02

Tot Ion:	113	Resp:	159284
Ion Ratio	Lower	Upper	
113	100		
111	105.7	81.3	121.9
192	18.6	12.7	19.1

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#36

1,1-Dichloropropene

Concen: 19.89 ug/l

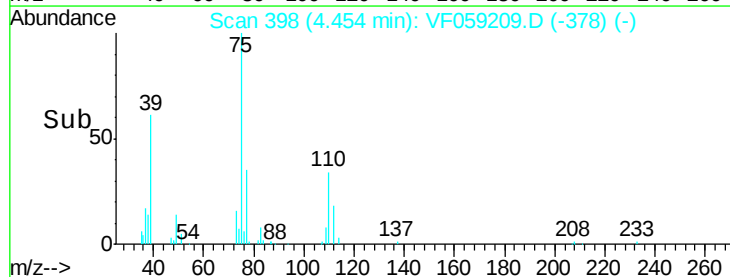
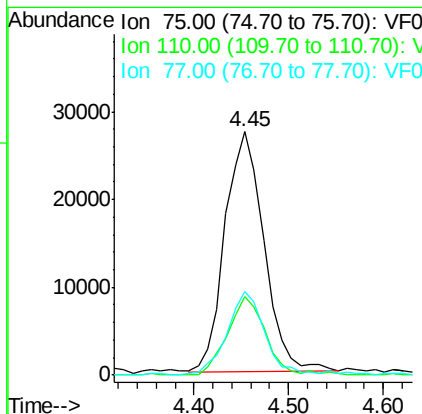
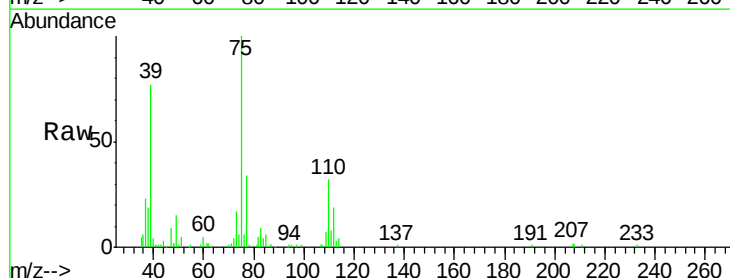
RT: 4.45 min Scan# 398

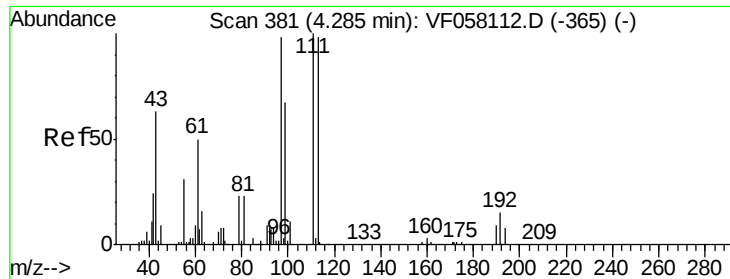
Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion:	75	Resp:	78562
Ion Ratio	Lower	Upper	
75	100		
110	32.2	17.0	50.9
77	34.3	25.3	37.9





#37

Ethyl Acetate

Concen: 23.34 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

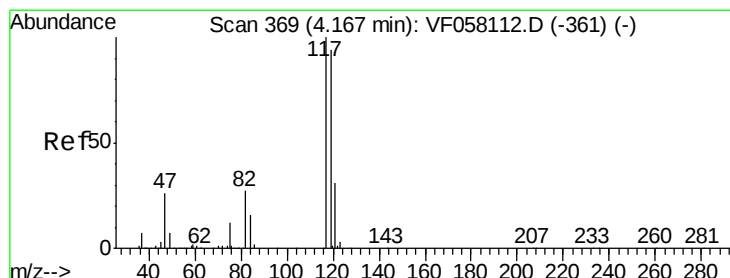
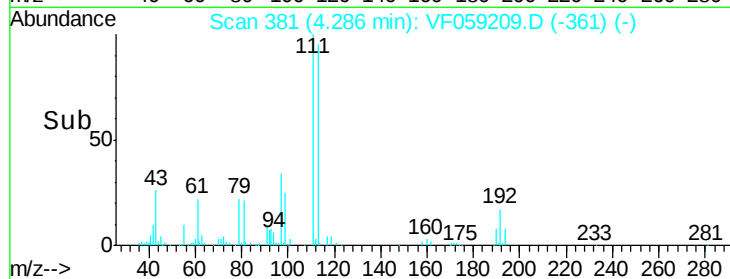
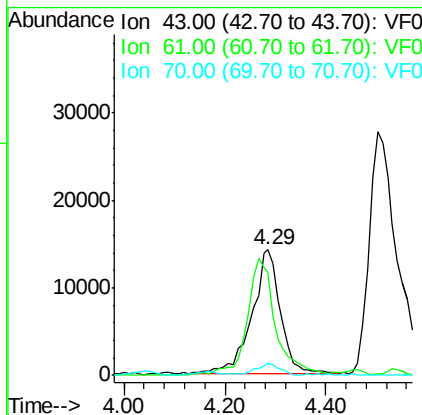
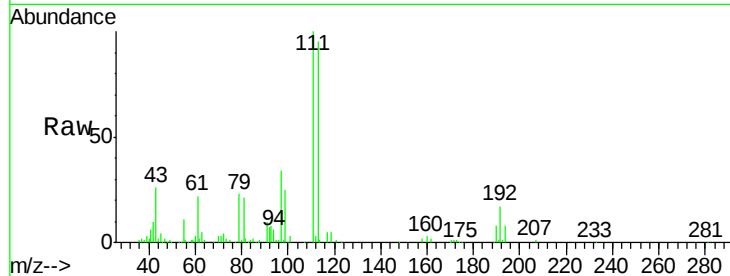
ClientSampleId :

VF0619SBS02

Tot Ion:	43	Resp:	56952
Ion Ratio	Lower	Upper	
43	100		
61	81.7	63.0	94.4
70	9.8	7.5	11.3

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#38

Carbon Tetrachloride

Concen: 23.98 ug/l

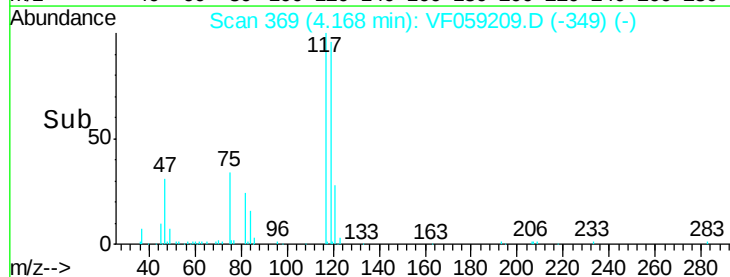
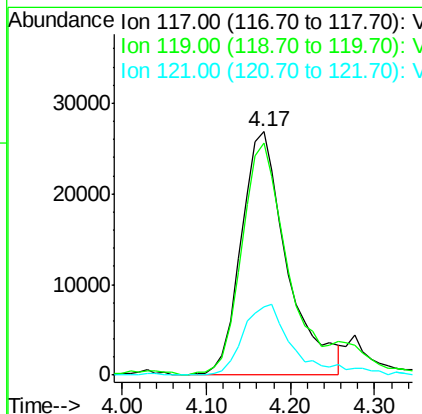
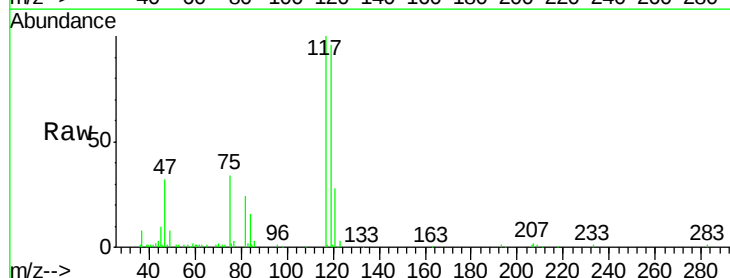
RT: 4.17 min Scan# 369

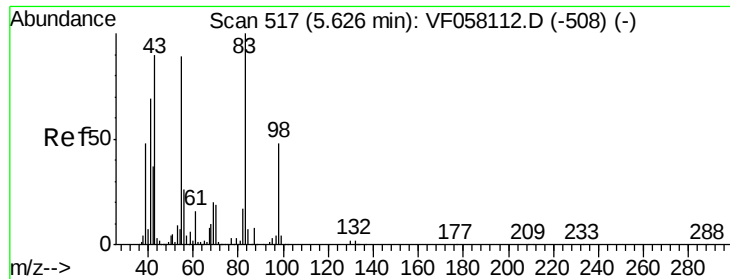
Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion:	117	Resp:	102630
Ion Ratio	Lower	Upper	
117	100		
119	95.1	75.7	113.5
121	28.0	24.8	37.2





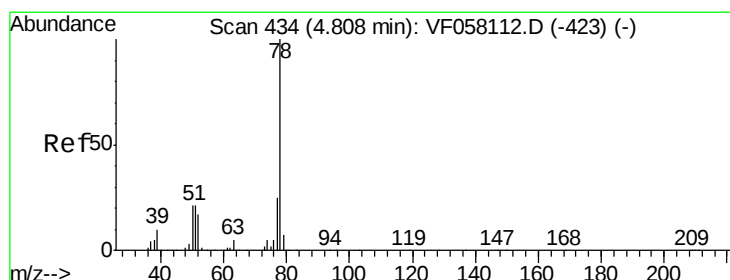
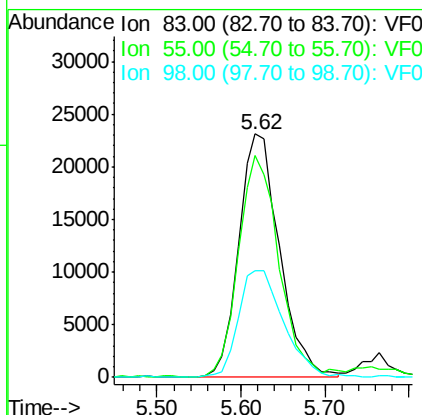
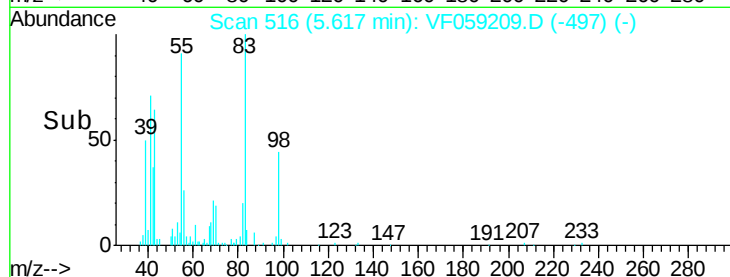
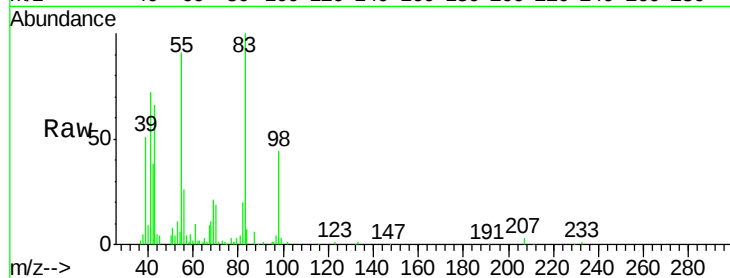
#39
Methvlcvclohexane
Concen: 19.44 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.0	71.0	106.4
98	44.0	38.1	57.1

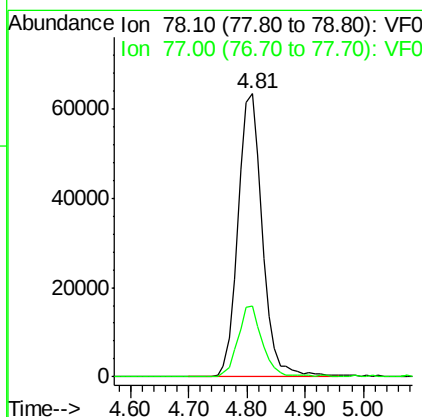
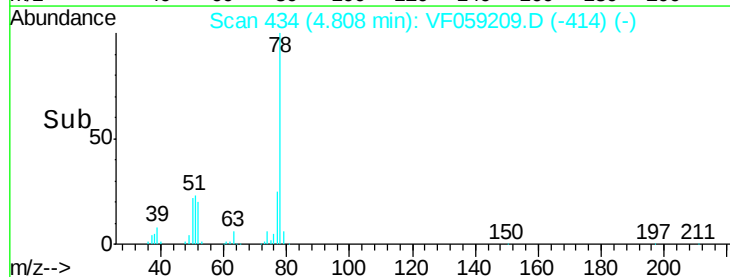
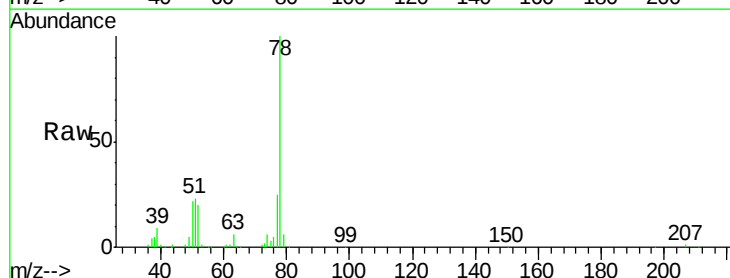
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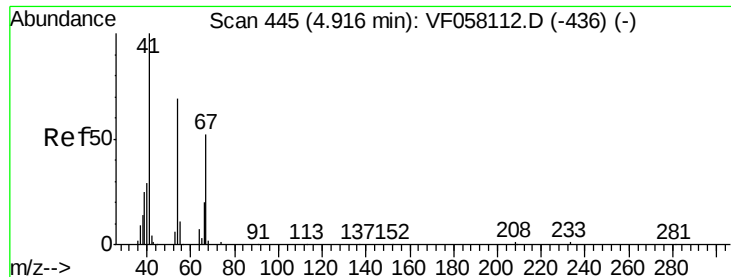
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#40
Benzene
Concen: 20.16 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	20.2	30.2





#41

Methacrylonitrile

Concen: 22.17 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

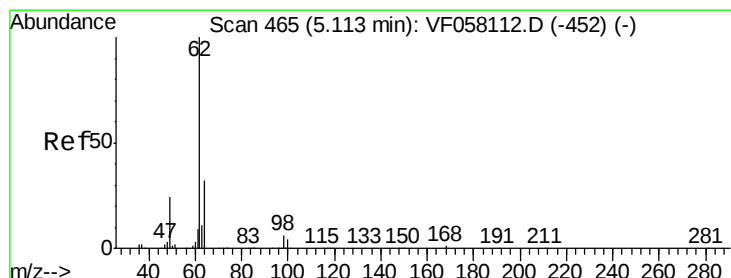
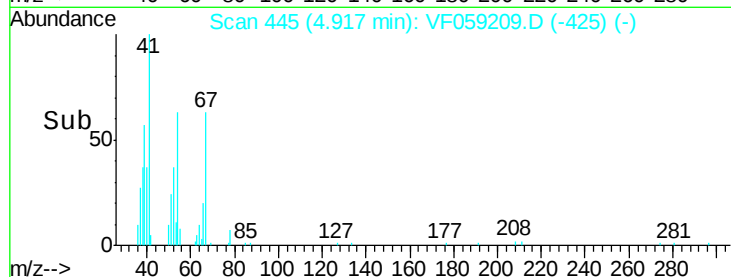
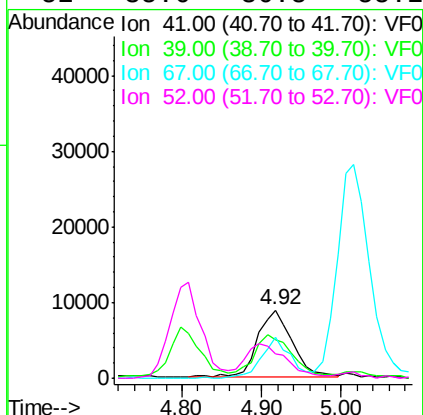
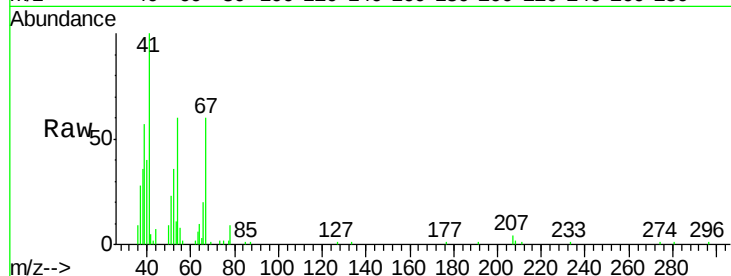
ClientSampleId :

VF0619SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.0	53.0	79.4
67	60.0	41.0	61.6
52	35.6	36.8	55.2#

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#42

1,2-Dichloroethane

Concen: 24.05 ug/l

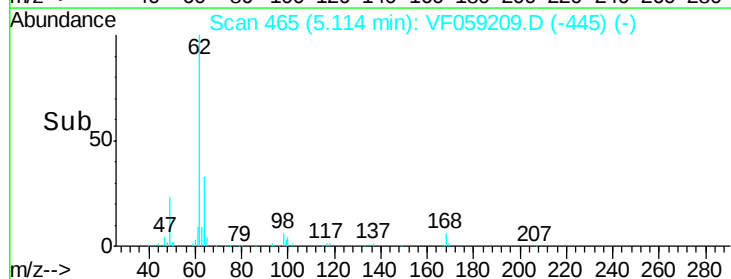
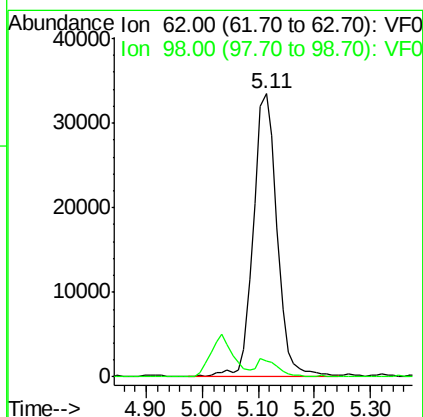
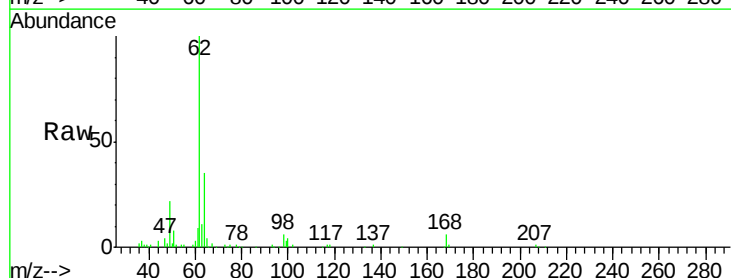
RT: 5.11 min Scan# 465

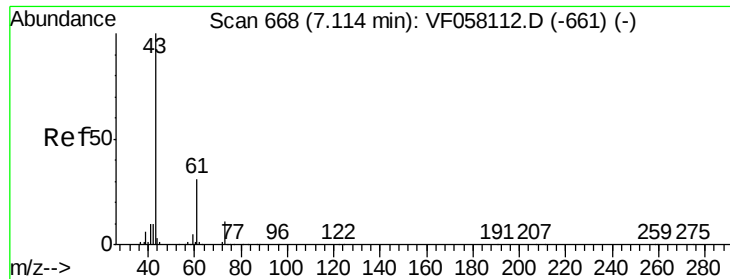
Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	11.8





#43

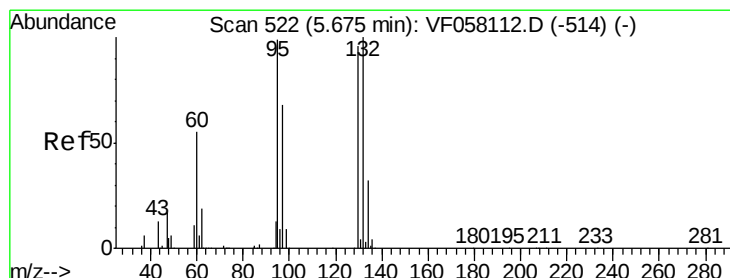
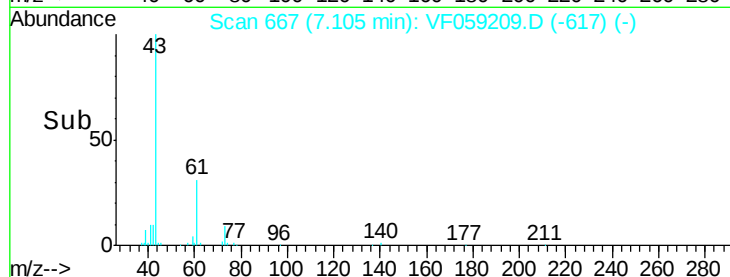
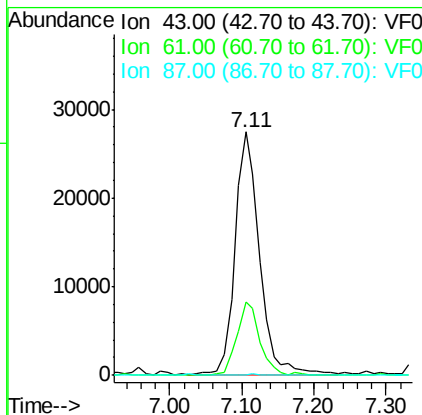
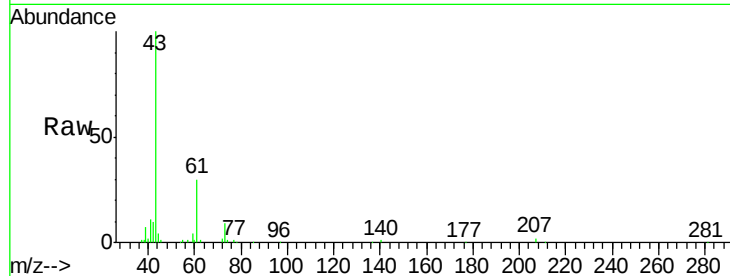
Isopropyl Acetate
 Concen: 20.07 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	25.1	37.7
87	0.0	0.2	0.4

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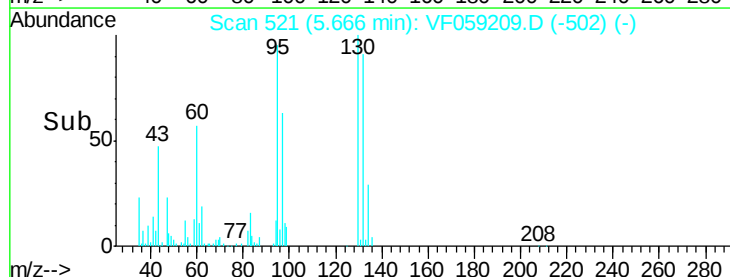
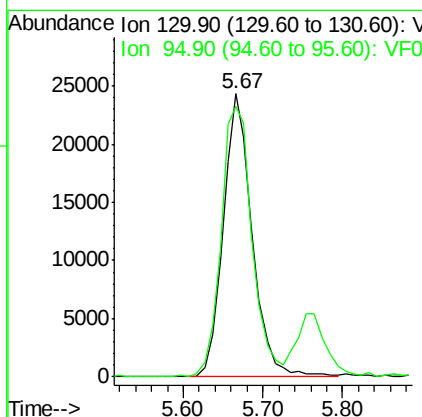
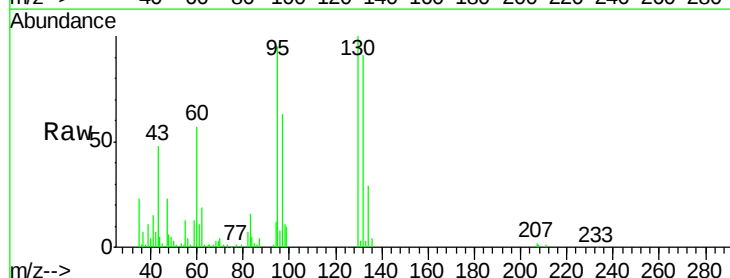
apatel
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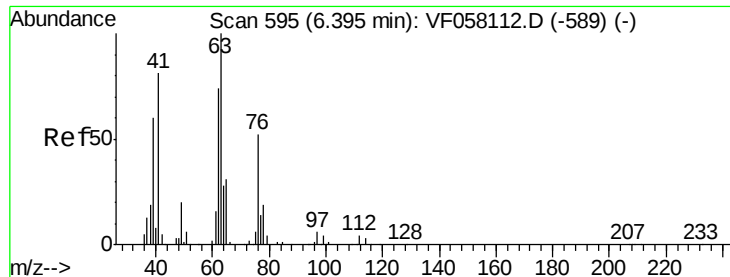


#44

Trichloroethene
 Concen: 21.53 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	206.8





#45

1,2-Dichloropropane

Concen: 20.18 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 63 Resp: 53327

Ion Ratio Lower Upper

63 100

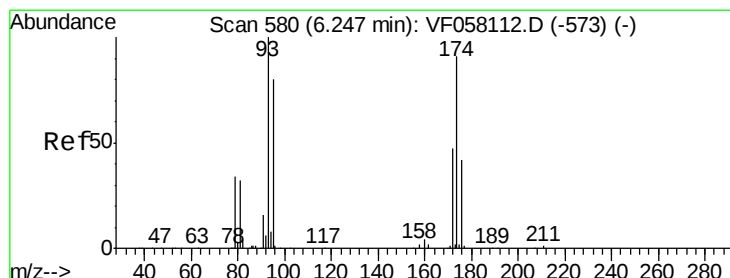
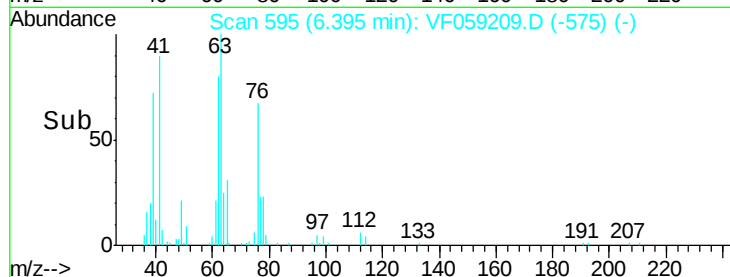
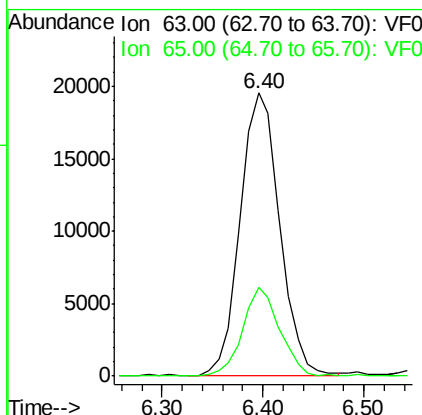
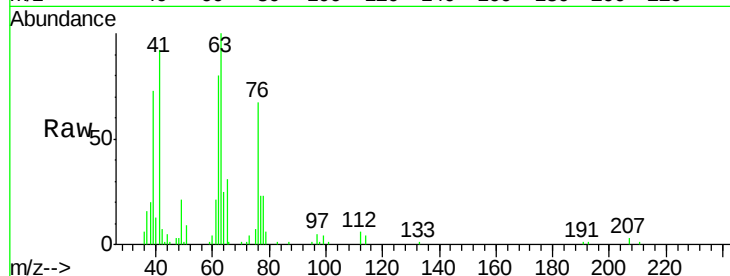
65 31.3 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 20.76 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

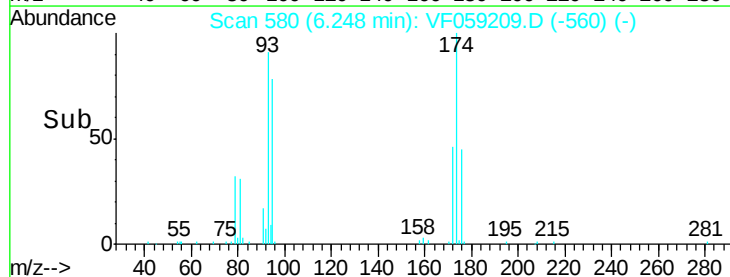
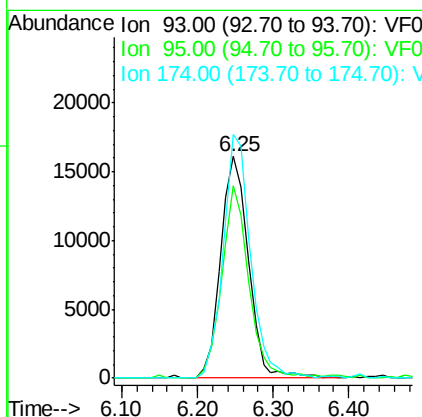
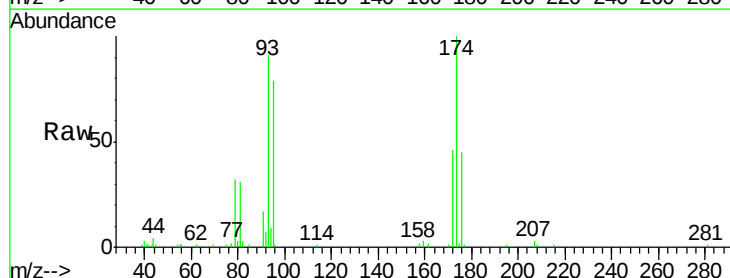
Tgt Ion: 93 Resp: 41274

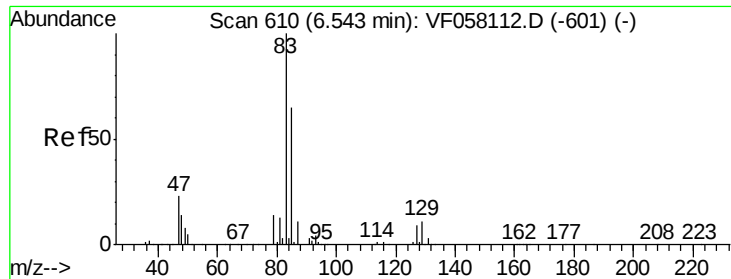
Ion Ratio Lower Upper

93 100

95 86.6 64.2 96.4

174 109.8 72.7 109.1#





#47

Bromodichloromethane

Concen: 22.98 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

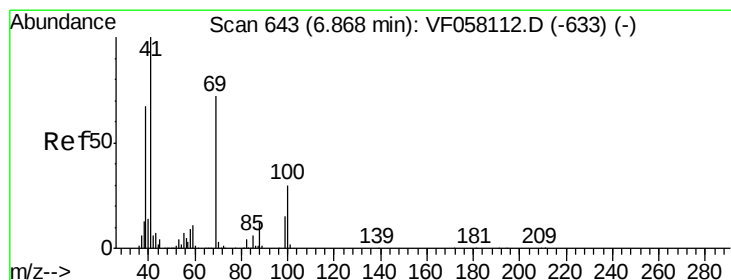
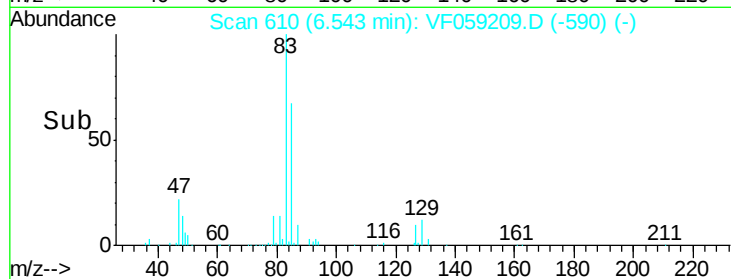
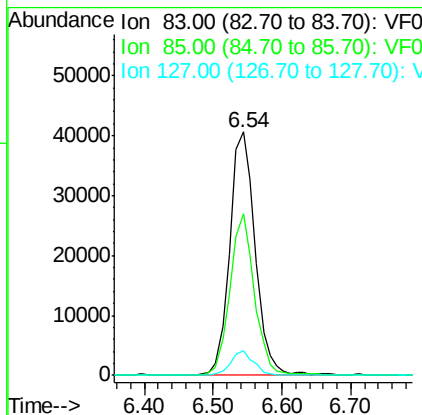
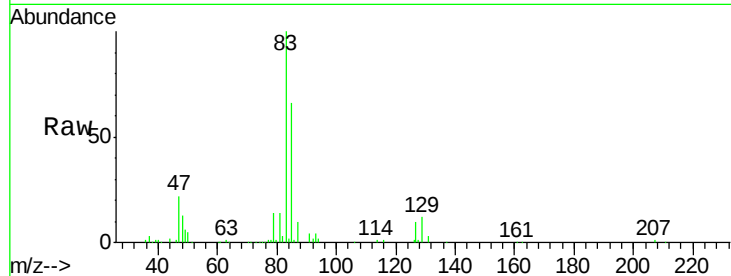
ClientSampleId :

VF0619SBS02

Tot Ion:	83	Resp:	103967
Ion Ratio	Lower	Upper	
83	100		
85	67.4	51.6	77.4
127	10.6	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.15 ug/l

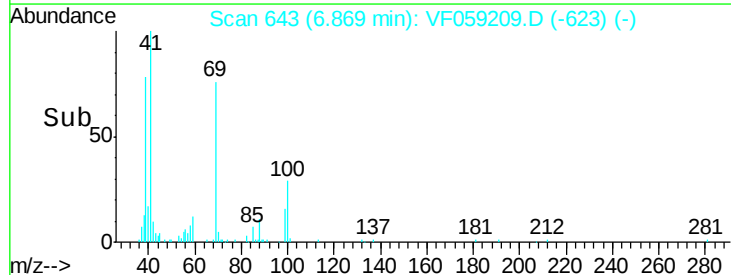
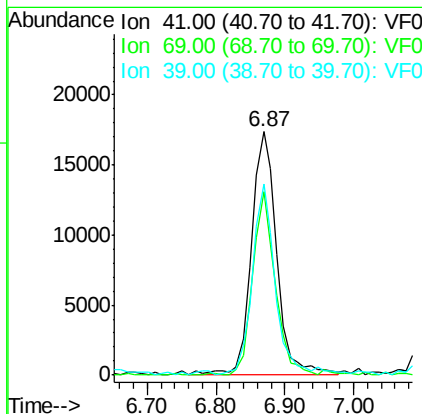
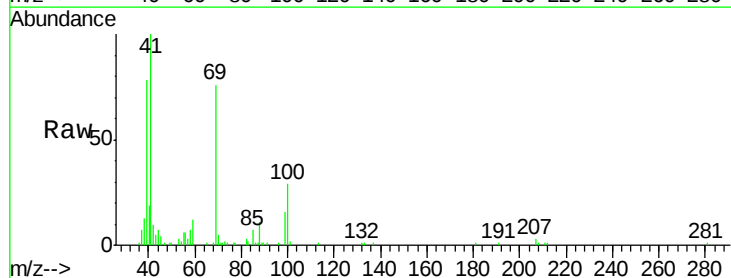
RT: 6.87 min Scan# 643

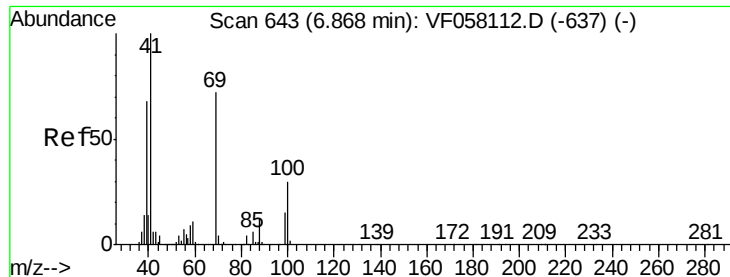
Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion:	41	Resp:	44614
Ion Ratio	Lower	Upper	
41	100		
69	75.5	57.2	85.8
39	78.4	54.3	81.5





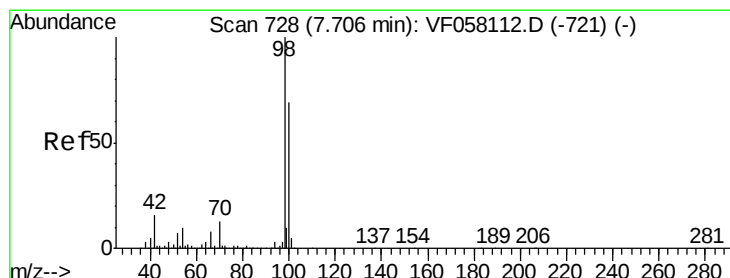
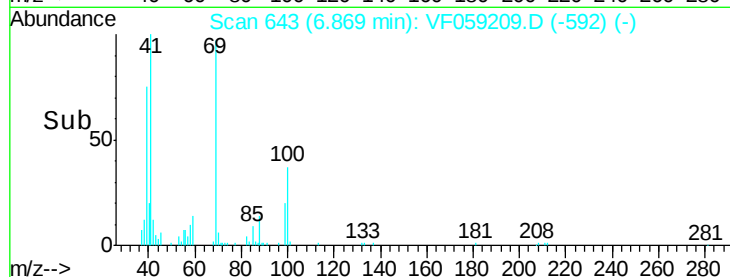
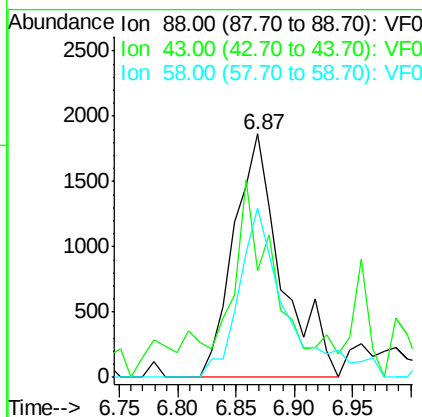
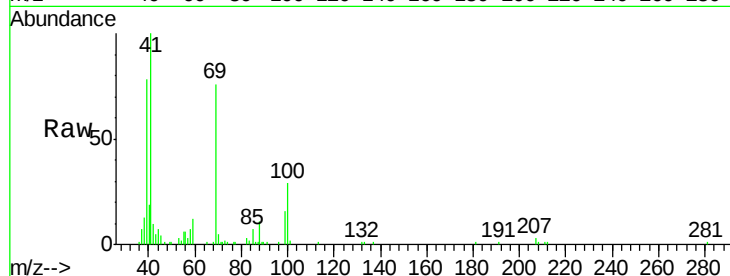
#49
1,4-Dioxane
Concen: 343.91 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.6	47.8	71.8#
58	69.7	59.4	89.0

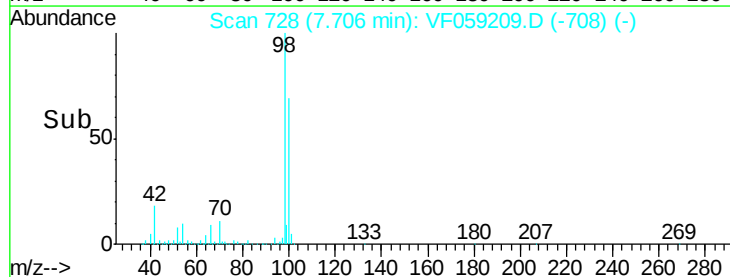
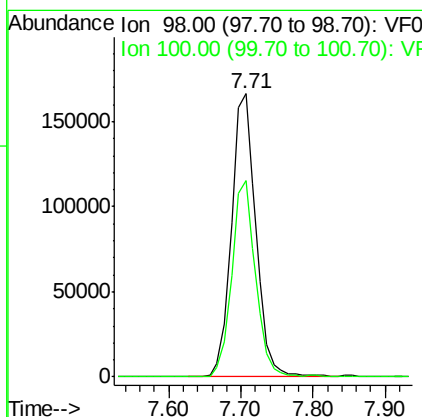
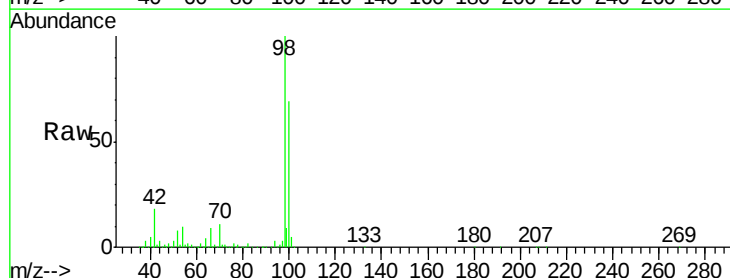
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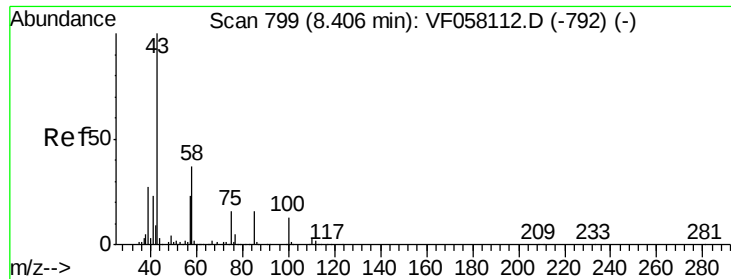
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#50
Toluene-d8
Concen: 46.82 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.3	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 108.35 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 43 Resp: 242688

Ion Ratio Lower Upper

43 100

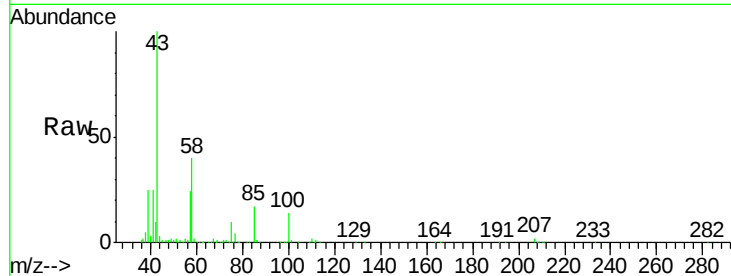
58 39.5 29.4 44.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

100000

80000

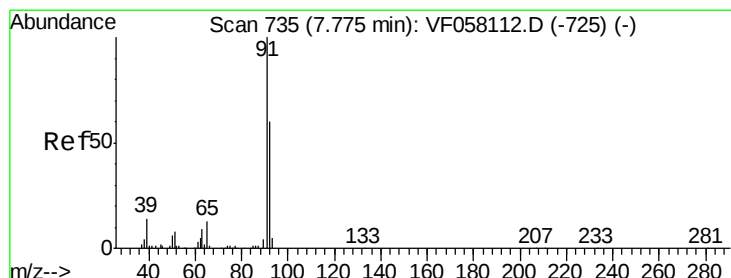
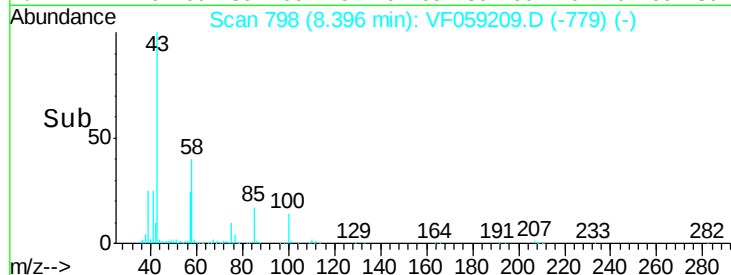
60000

40000

20000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 20.18 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059209.D

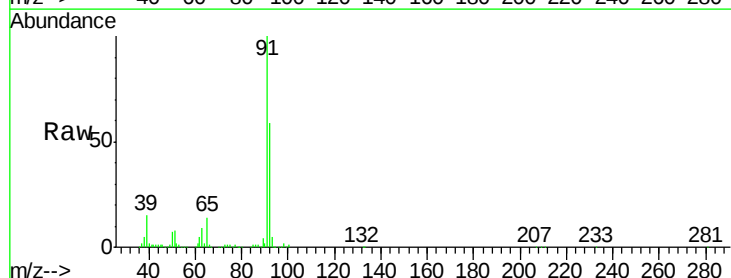
Acq: 20 Jun 2018 2:35

Tgt Ion: 92 Resp: 133253

Ion Ratio Lower Upper

92 100

91 169.8 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

100000

80000

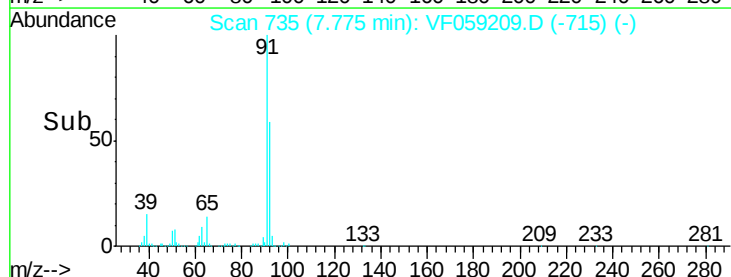
60000

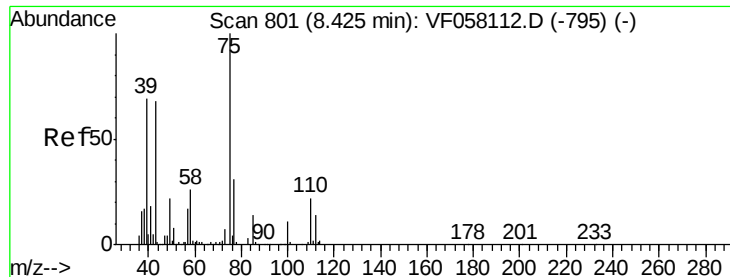
40000

20000

0

Time--> 7.60 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 21.74 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tot Ion: 75 Resp: 95231

Ion Ratio Lower Upper

75 100

77 33.4 25.1 37.7

Instrument :

MSVOA_F

ClientSampleId :

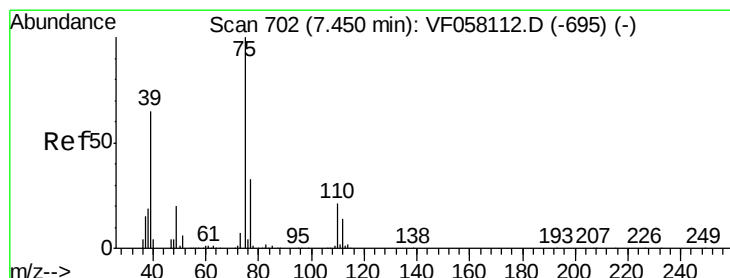
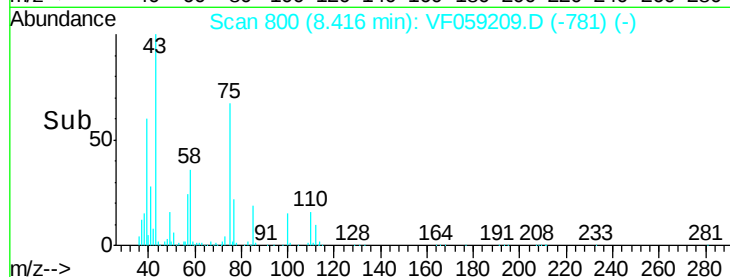
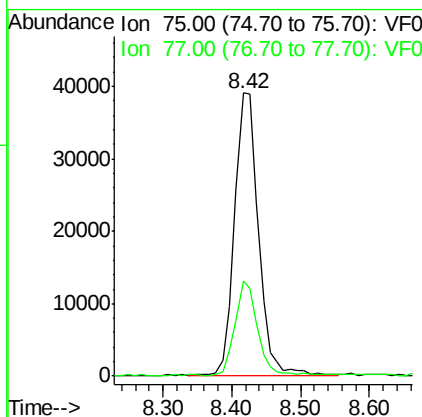
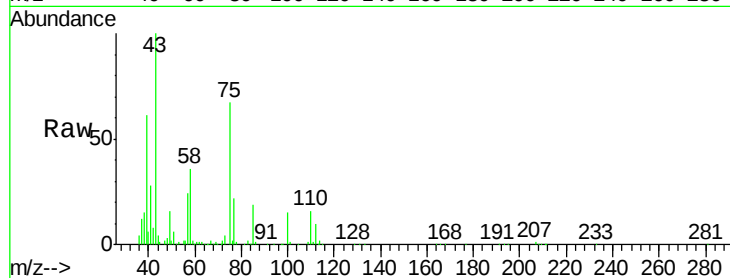
VF0619SBS02

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#54

cis-1,3-Dichloropropene

Concen: 20.38 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

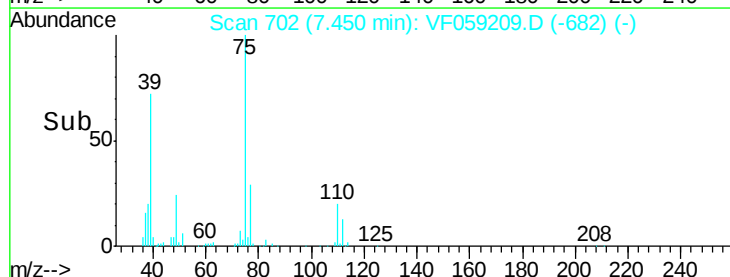
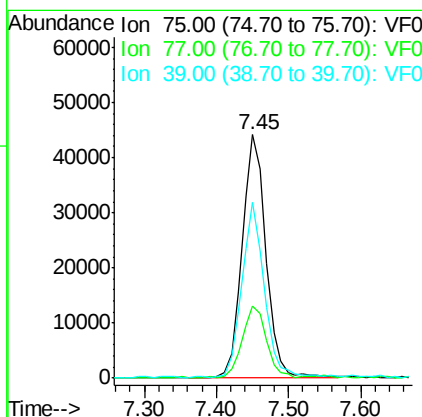
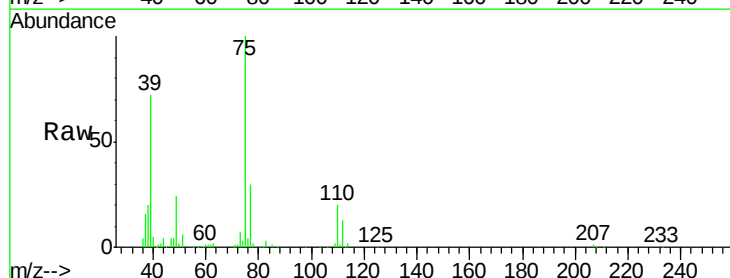
Tgt Ion: 75 Resp: 102560

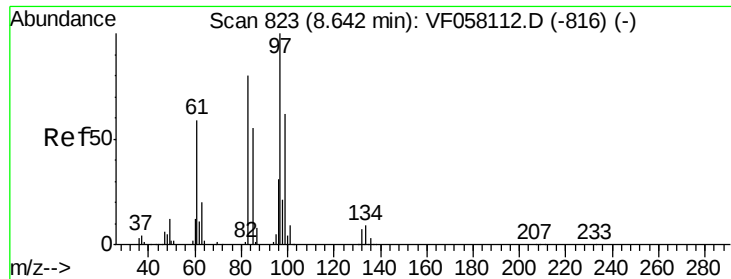
Ion Ratio Lower Upper

75 100

77 29.6 26.3 39.5

39 72.0 52.1 78.1





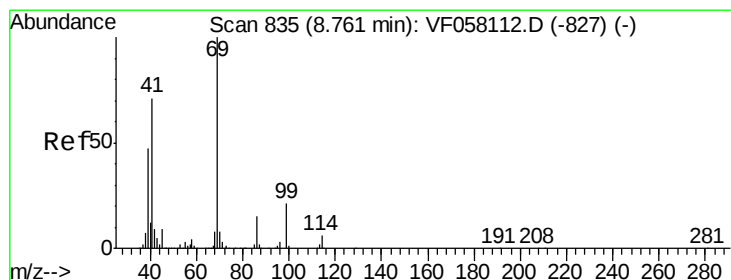
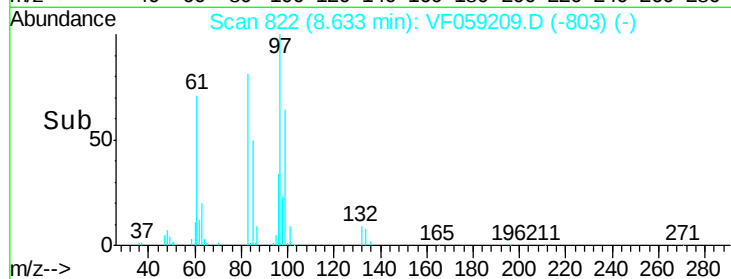
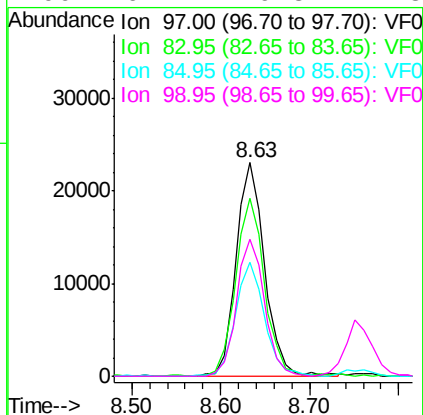
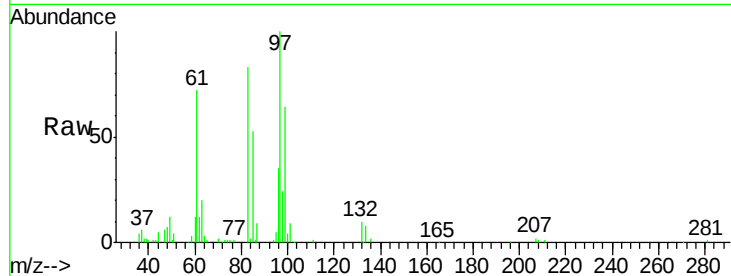
#55
 1,1,2-Trichloroethane
 Concen: 21.47 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	97	Resp:	51356
Ion	Ratio	Lower	Upper
97	100		
83	83.1	64.3	96.5
85	53.4	43.8	65.8
99	64.1	49.8	74.8

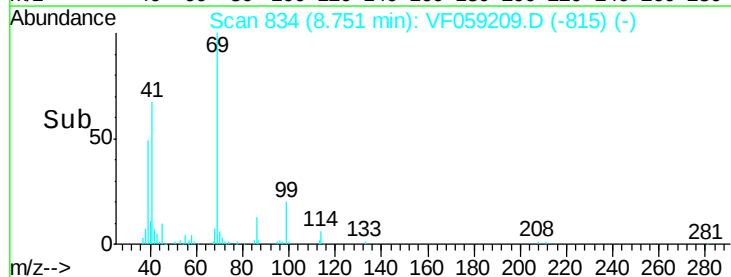
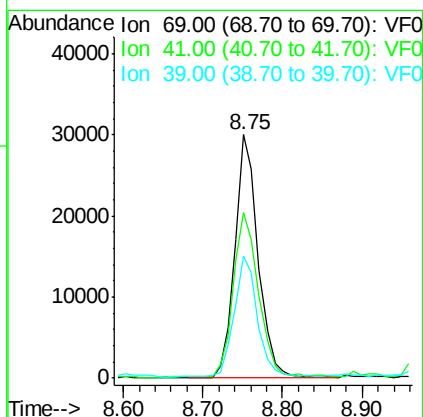
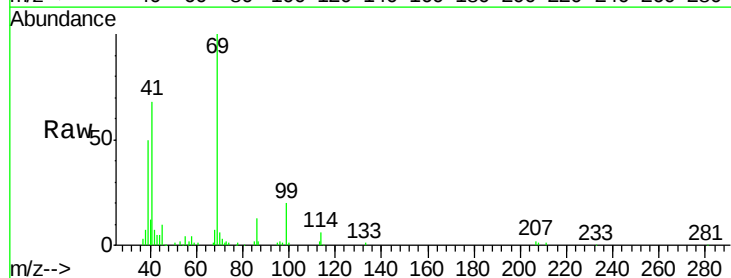
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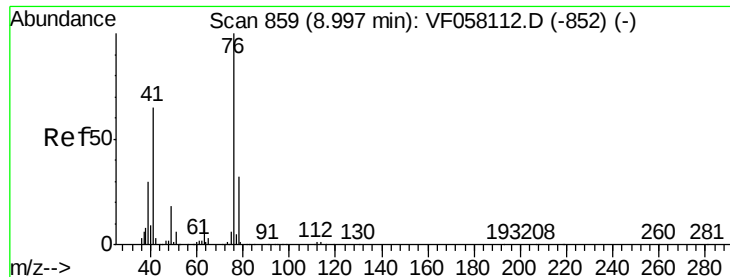
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#56
 Ethyl methacrylate
 Concen: 20.37 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Tgt Ion	69	Resp:	61424
Ion	Ratio	Lower	Upper
69	100		
41	68.2	56.9	85.3
39	50.4	38.0	57.0





#57

1,3-Dichloropropane

Concen: 21.61 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 76 Resp: 88433

Ion Ratio Lower Upper

76 100

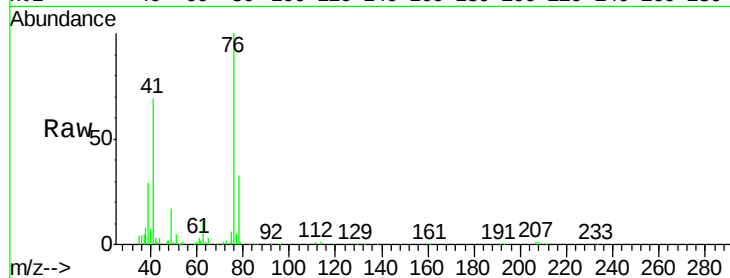
78 33.1 25.8 38.6

Manual Integrations

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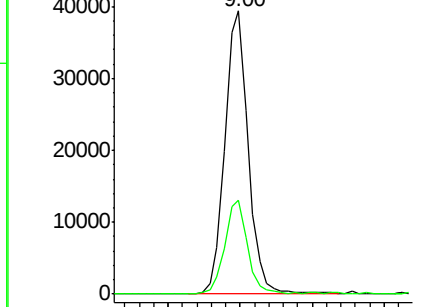
apatel

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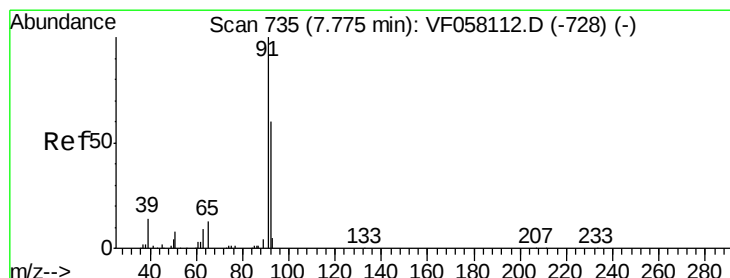
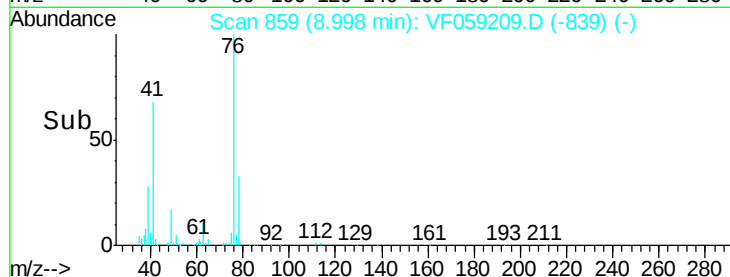


Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.42 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059209.D

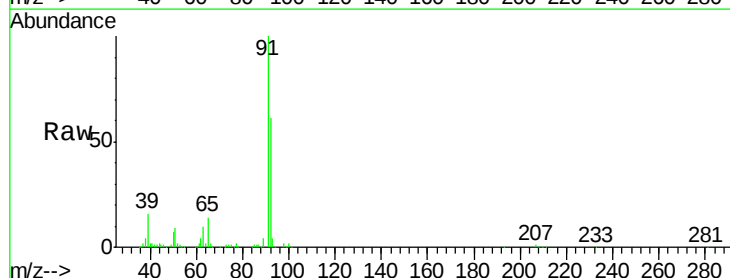
Acq: 20 Jun 2018 2:35

Tgt Ion: 63 Resp: 22085

Ion Ratio Lower Upper

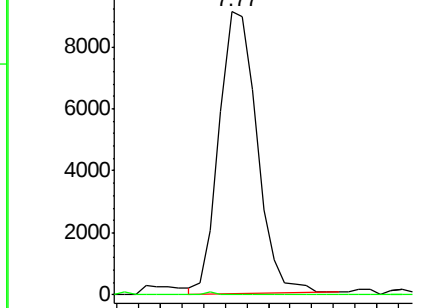
63 100

106 0.0 0.0 0.0

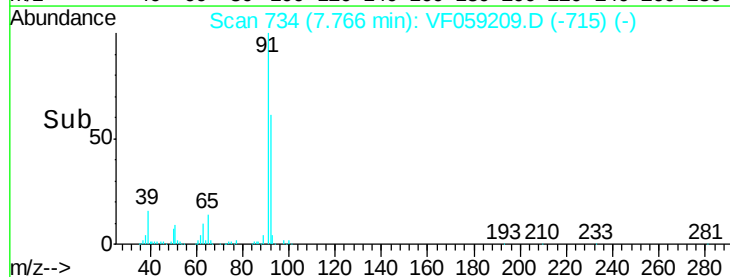


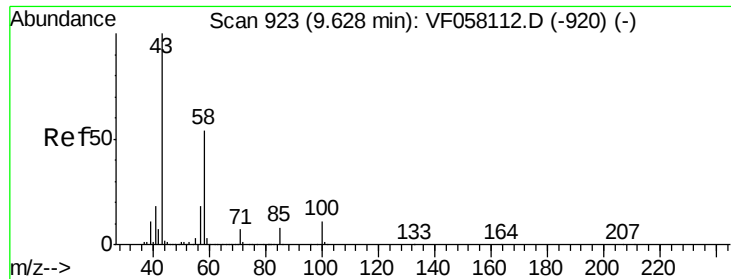
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->





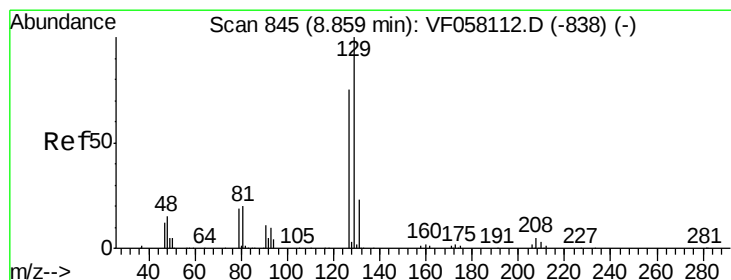
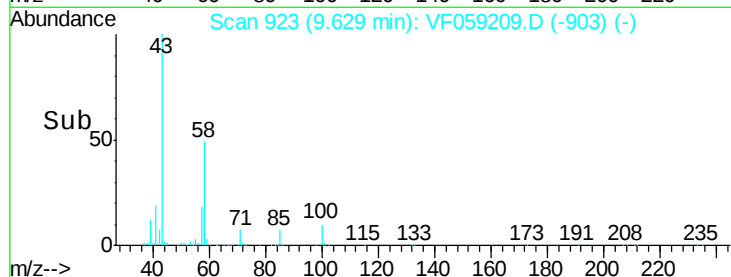
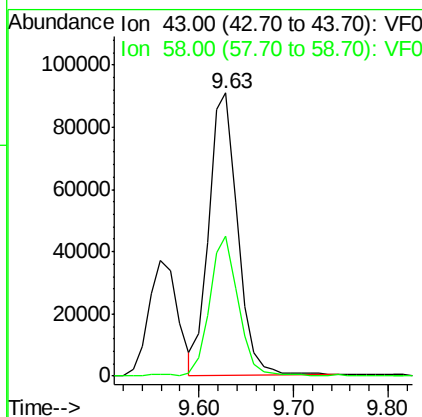
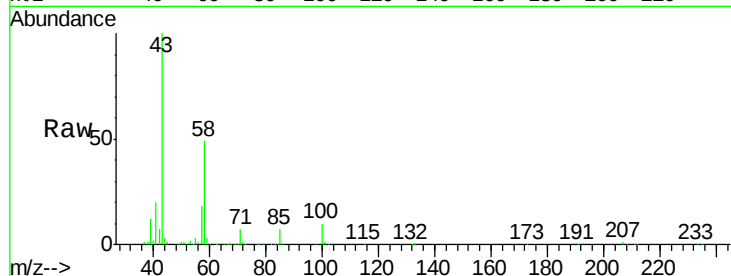
#59
2-Hexanone
Concen: 108.41 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion: 43 Resp: 192065
Ion Ratio Lower Upper
43 100
58 49.3 26.3 78.8

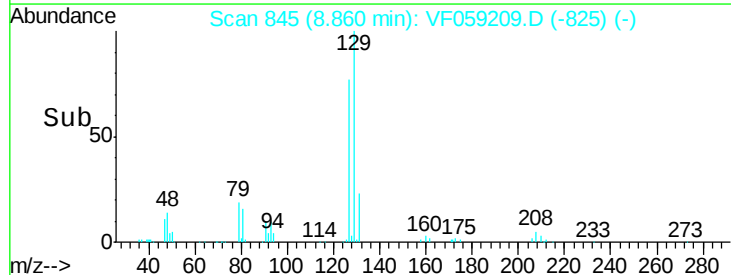
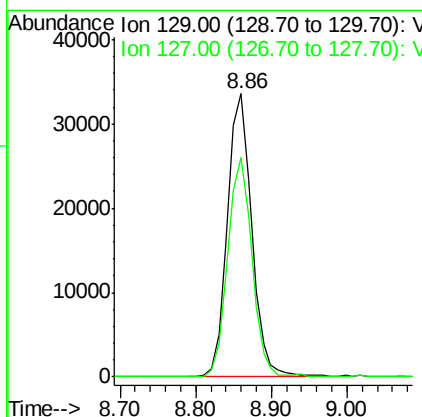
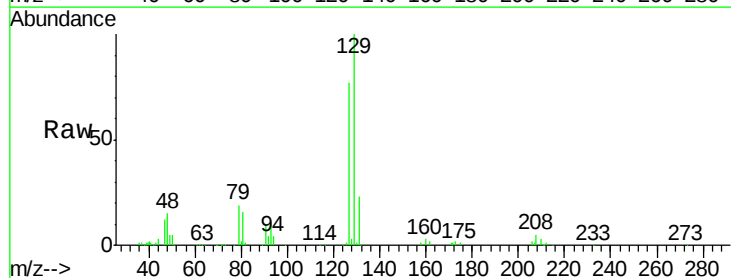
Manual Integrations
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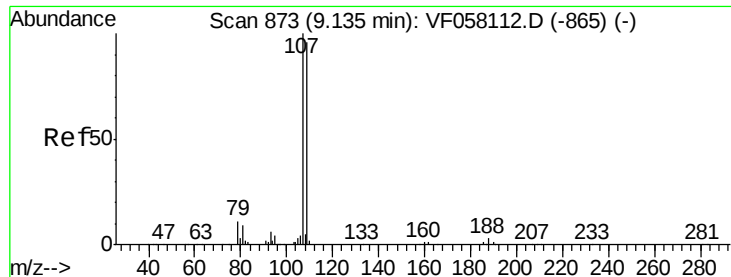
apatel
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#60
Dibromochloromethane
Concen: 21.76 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion: 129 Resp: 74817
Ion Ratio Lower Upper
129 100
127 77.5 37.6 112.9





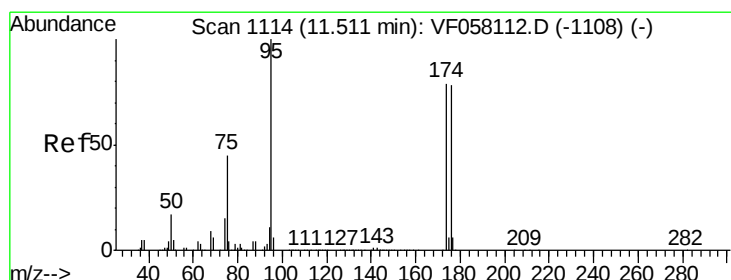
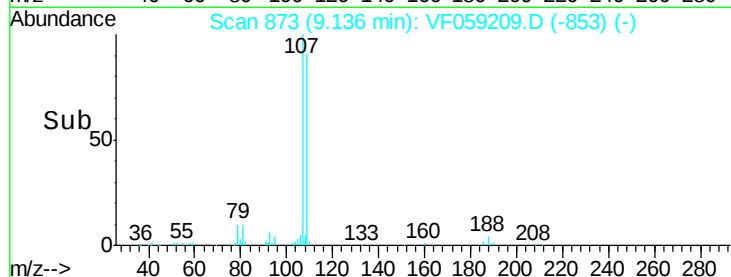
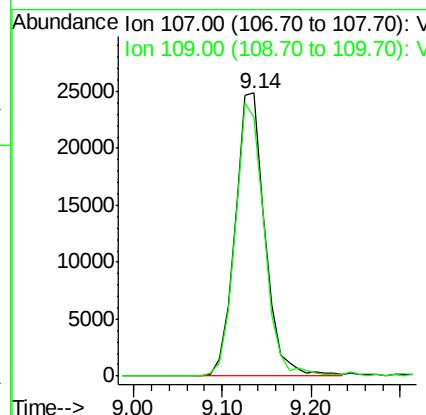
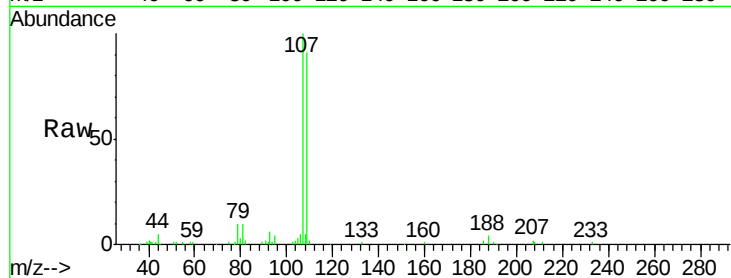
#61
1,2-Dibromoethane
Concen: 20.92 ug/l
RT: 9.14 min Scan# 873
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.4	76.6	115.0

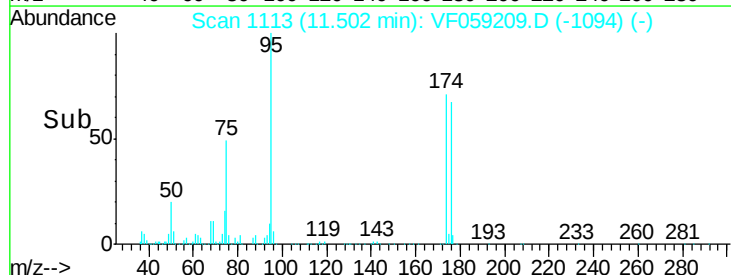
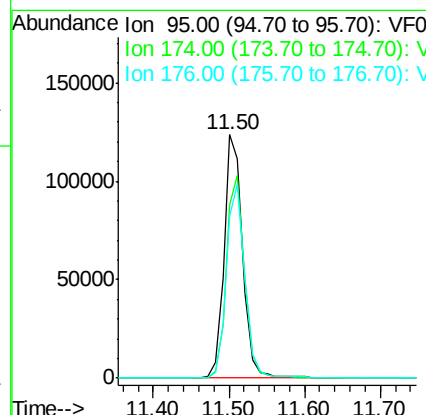
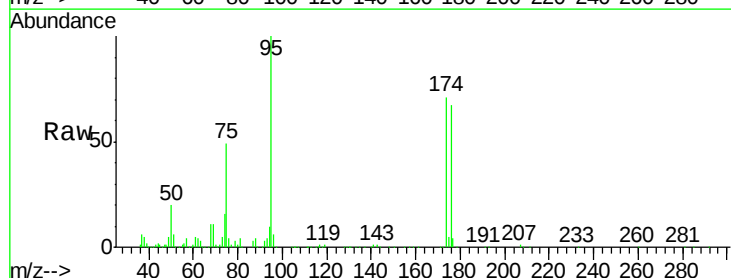
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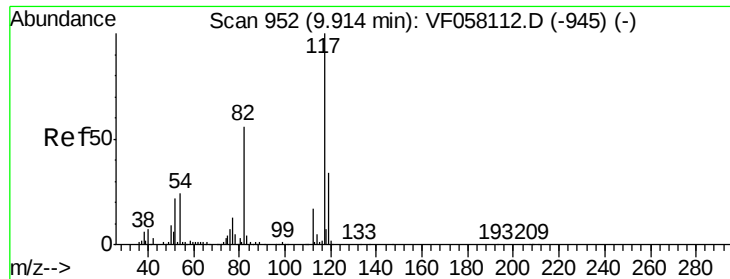
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#62
4-Bromofluorobenzene
Concen: 49.15 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	157.8
176	66.6	0.0	155.8





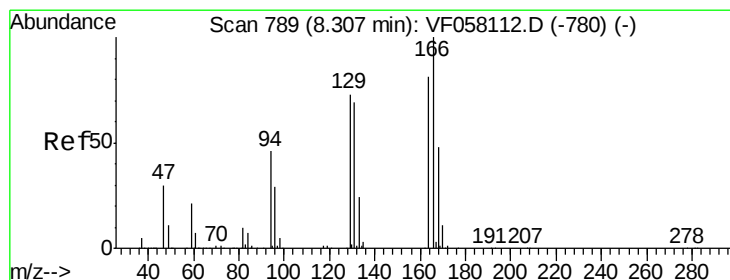
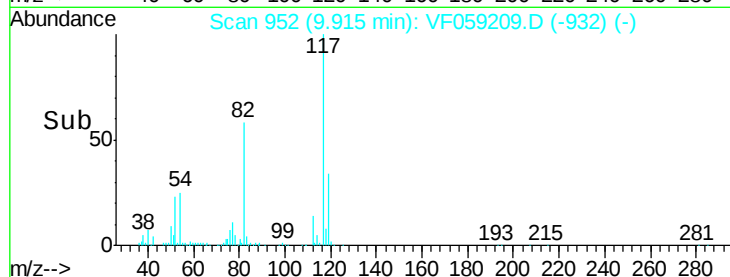
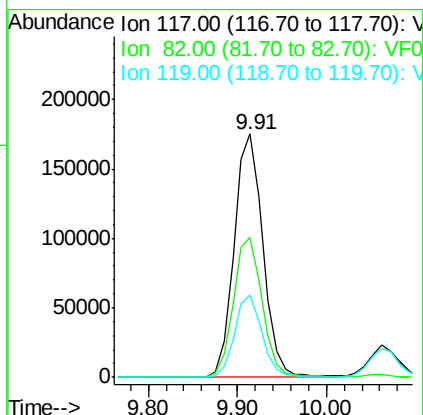
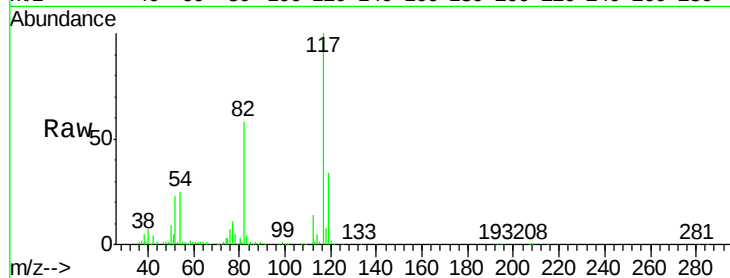
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.2	67.8
119	34.0	27.5	41.3

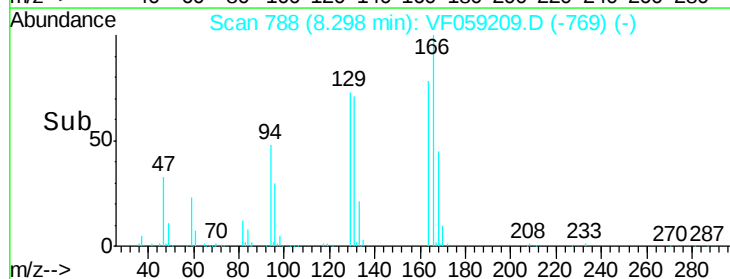
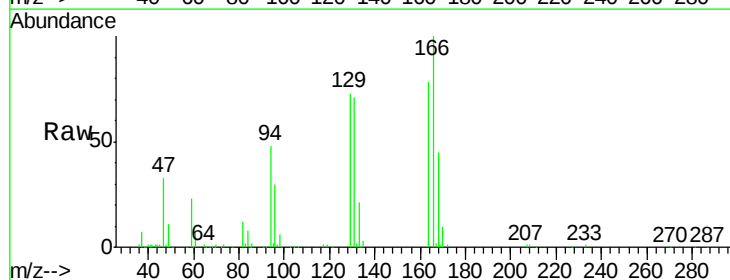
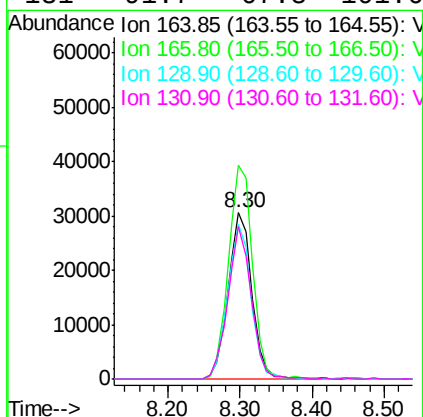
Manual Integrations
APPROVED

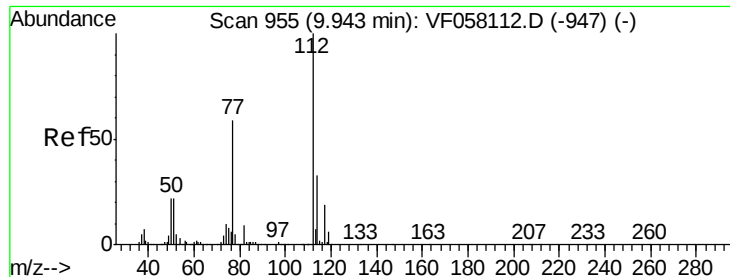
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#64
Tetrachloroethene
Concen: 24.08 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	98.2	147.4
129	93.6	71.6	107.4
131	91.7	67.8	101.6





#65

Chlorobenzene

Concen: 21.33 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion:112 Resp: 166936

Ion Ratio Lower Upper

112 100

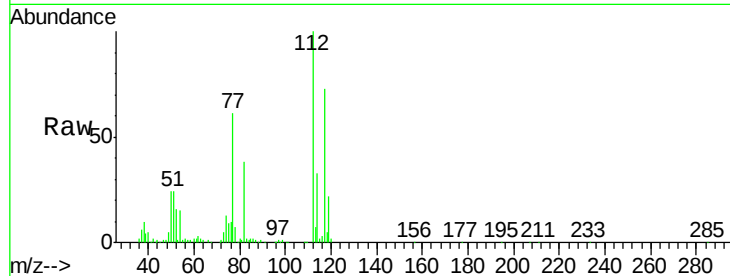
114 33.0 26.2 39.4

Manual Integrations

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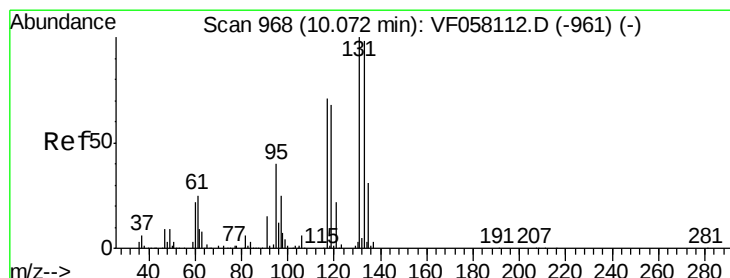
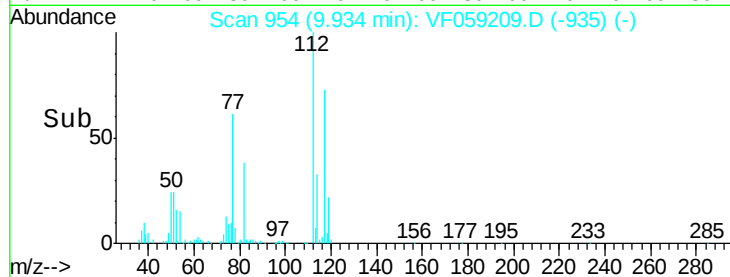
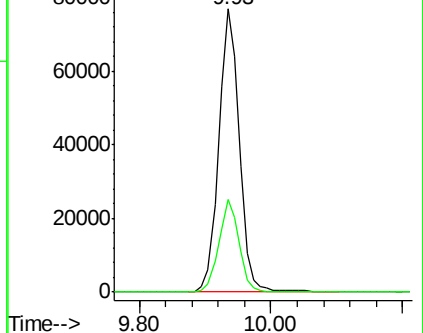
apatel

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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: 22.46 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

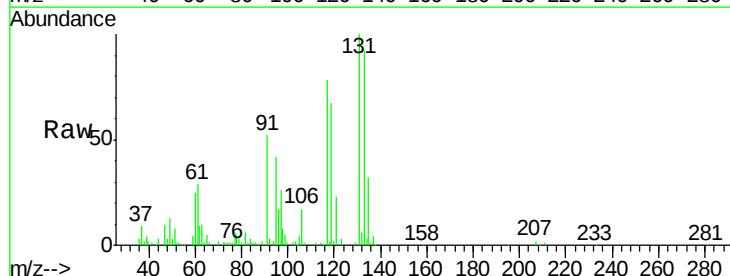
Tgt Ion:131 Resp: 69914

Ion Ratio Lower Upper

131 100

133 91.6 49.1 147.4

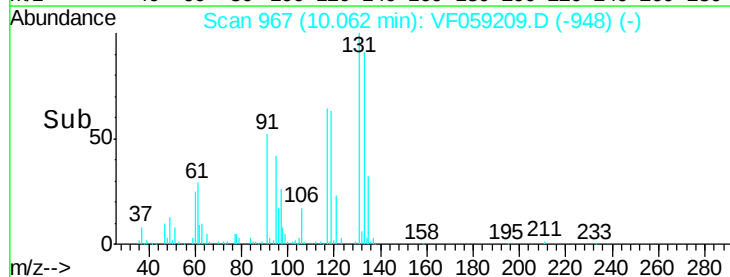
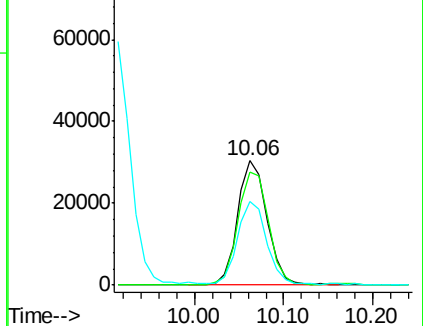
119 67.4 34.3 102.8

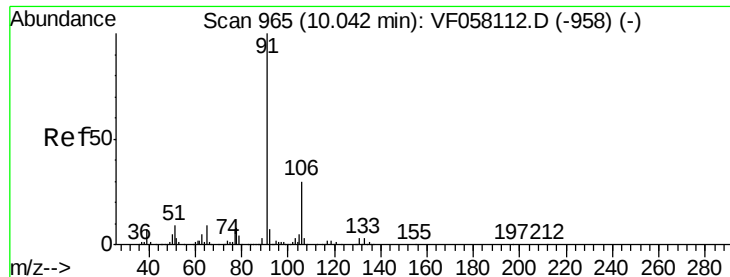


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.26 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 91 Resp: 289181

Ion Ratio Lower Upper

91 100

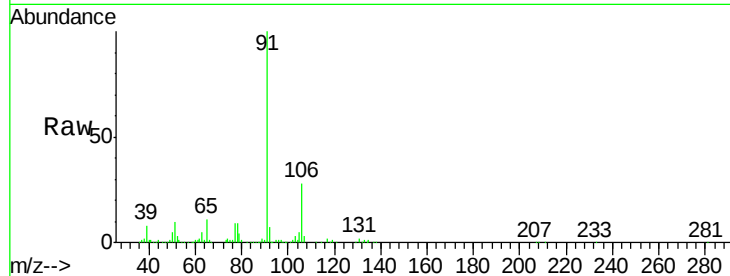
106 27.8 24.2 36.4

Manual Integrations

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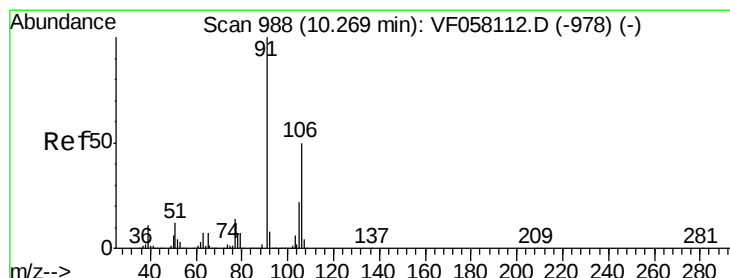
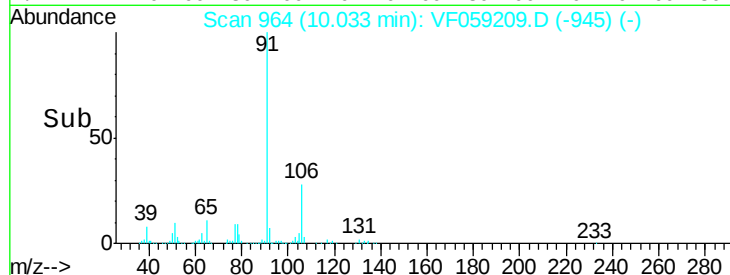
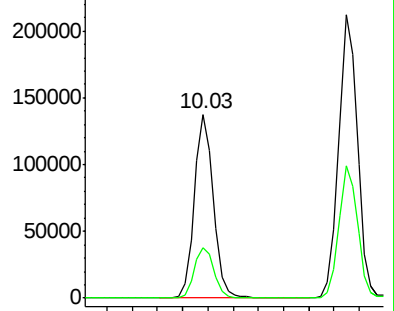
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.32 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059209.D

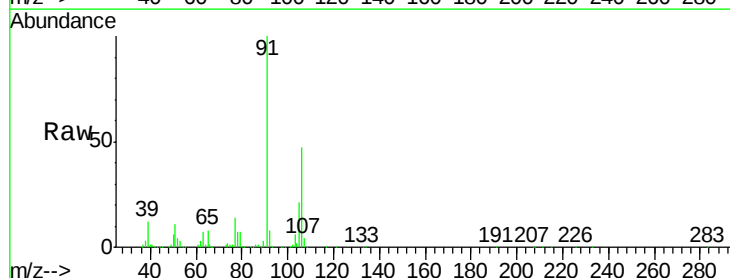
Acq: 20 Jun 2018 2:35

Tgt Ion: 106 Resp: 205309

Ion Ratio Lower Upper

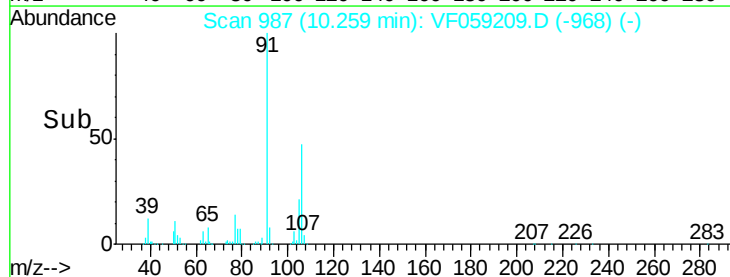
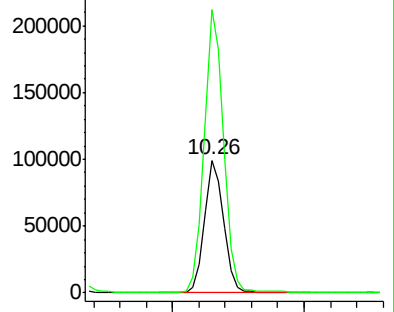
106 100

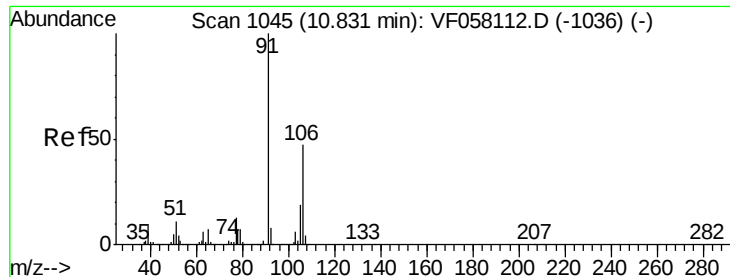
91 213.6 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





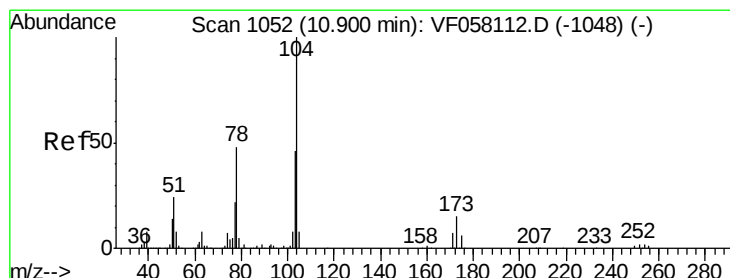
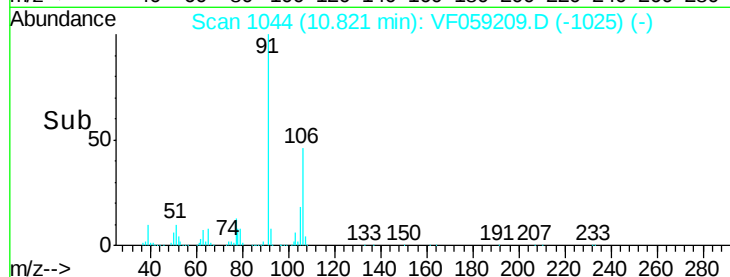
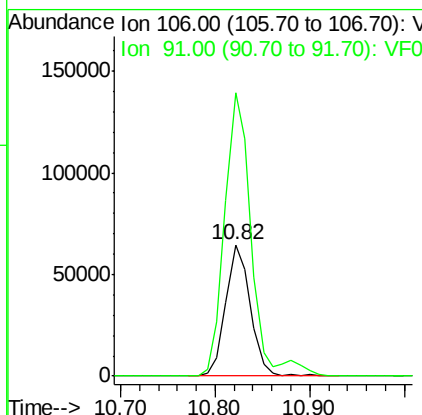
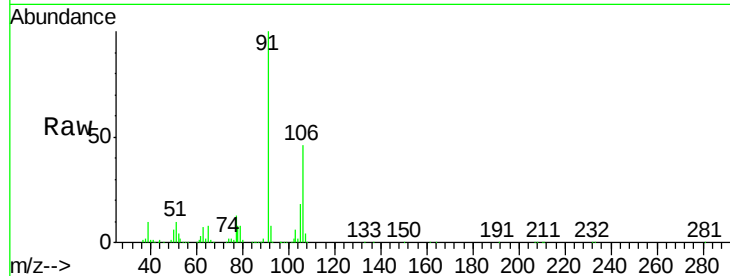
#69
o-Xylene
Concen: 21.20 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion:106 Resp: 116679
Ion Ratio Lower Upper
106 100
91 215.6 107.0 321.0

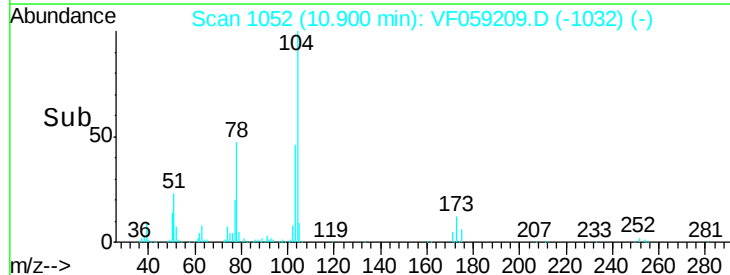
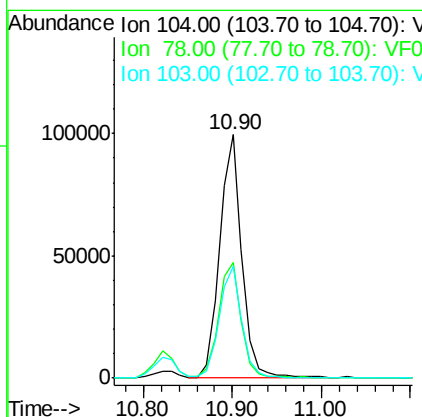
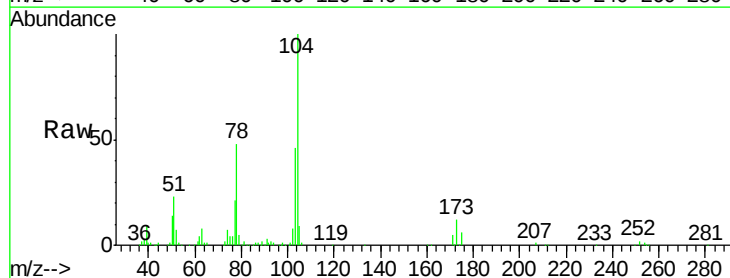
Manual Integrations
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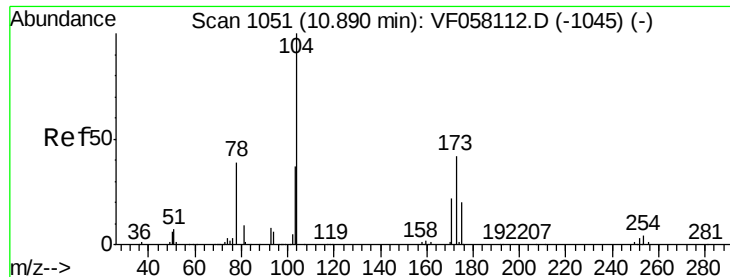
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#70
Styrene
Concen: 20.74 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion:104 Resp: 172645
Ion Ratio Lower Upper
104 100
78 47.6 38.4 57.6
103 45.7 37.0 55.6





#71

Bromoform

Concen: 23.04 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

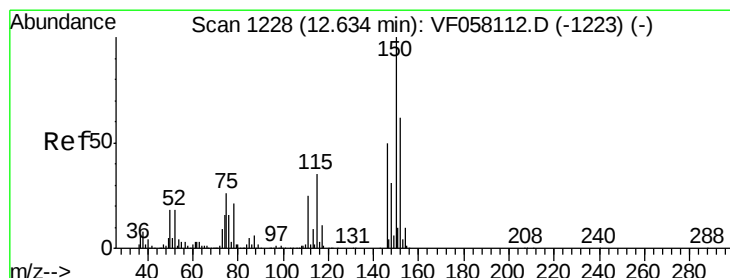
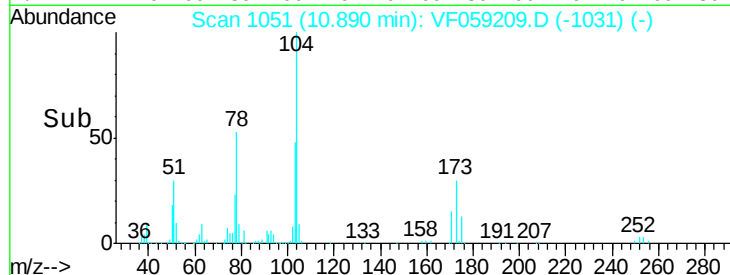
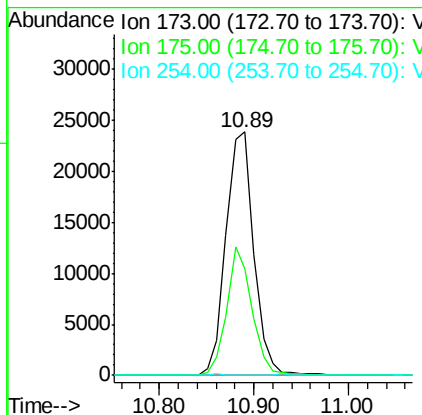
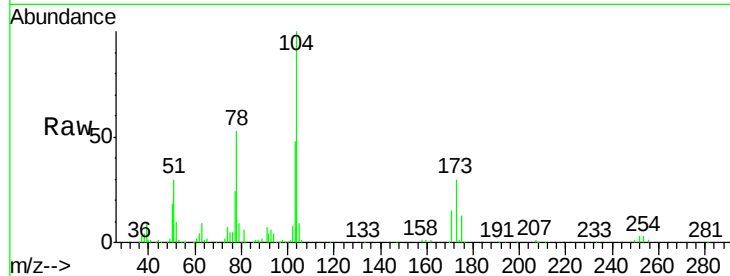
ClientSampleId :

VF0619SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.8	24.6	74.0
254	0.0	7.8	11.8#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

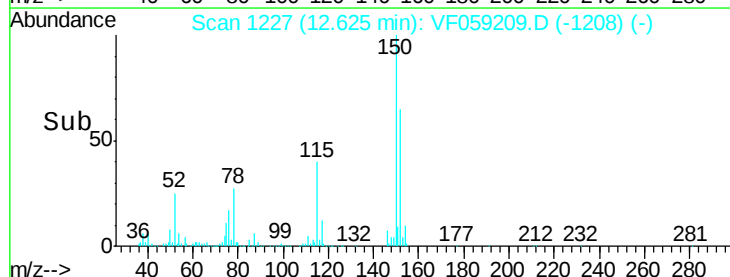
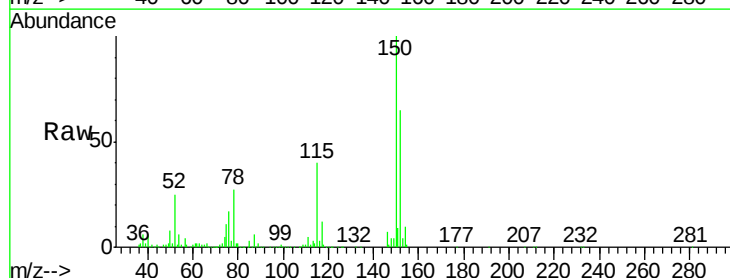
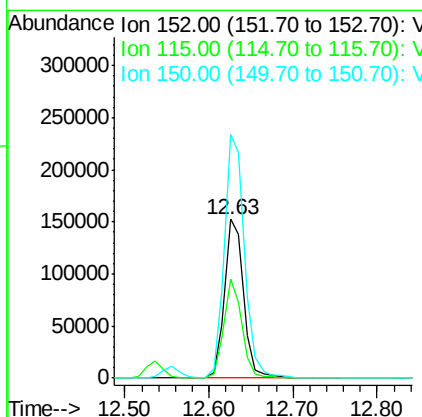
RT: 12.63 min Scan# 1227

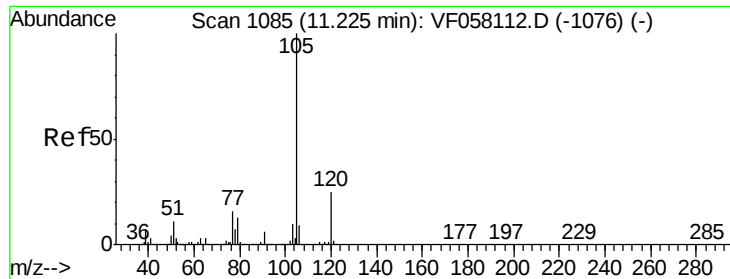
Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	28.5	85.5
150	153.4	0.0	323.8





#73

Isopropylbenzene

Concen: 20.49 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion: 105 Resp: 339614

Ion Ratio Lower Upper

105 100

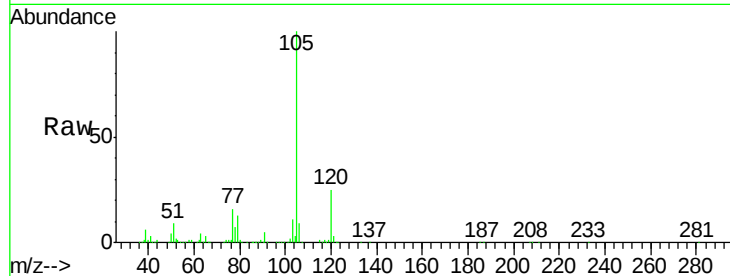
120 25.0 12.7 38.1

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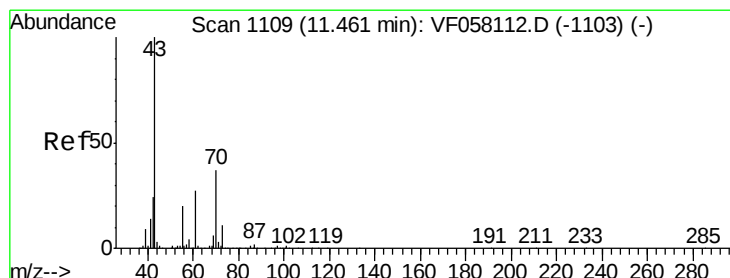
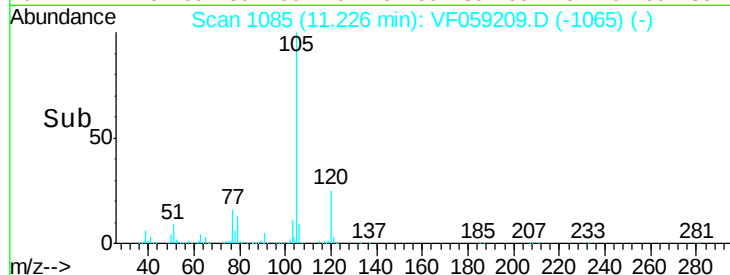
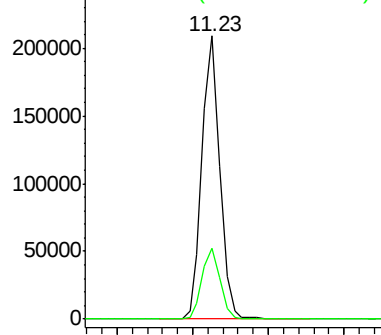
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.04 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion: 43 Resp: 118617

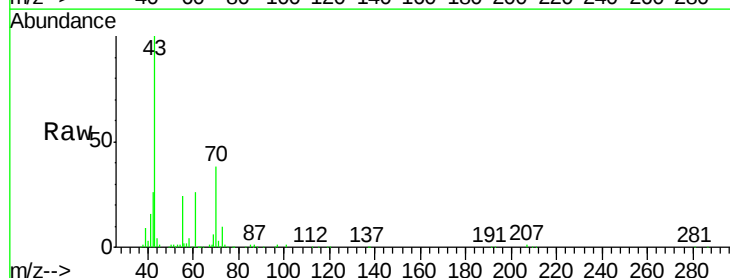
Ion Ratio Lower Upper

43 100

70 38.1 29.2 43.8

55 24.1 15.8 23.6

61 26.1 21.3 31.9

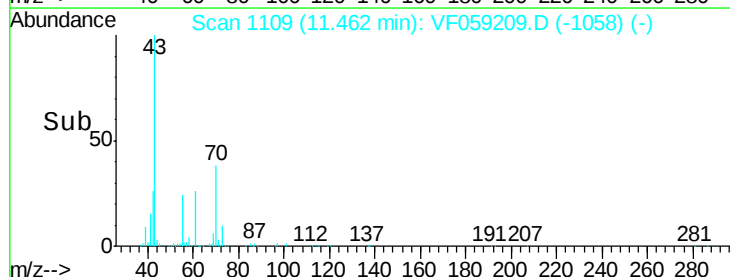
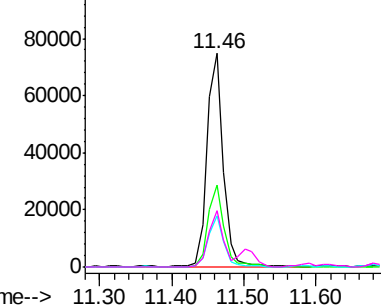


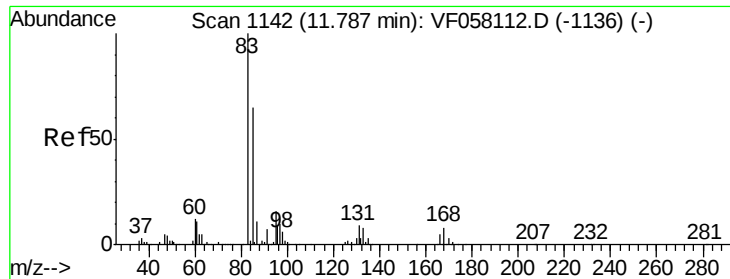
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 20.41 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

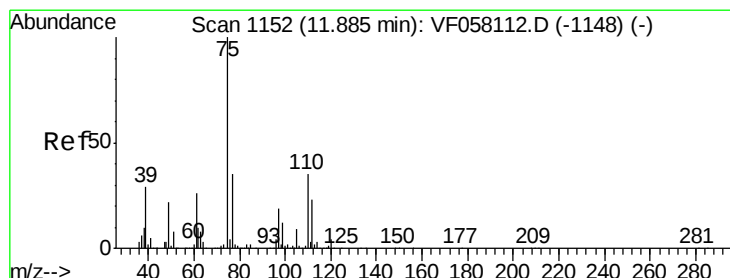
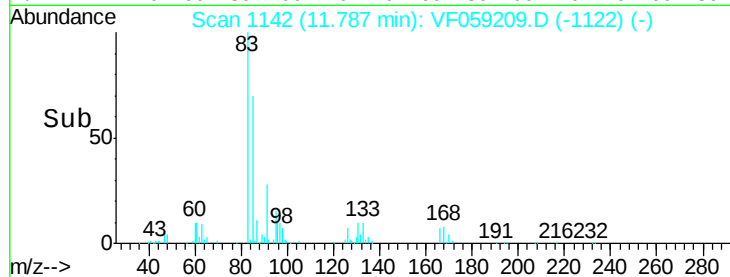
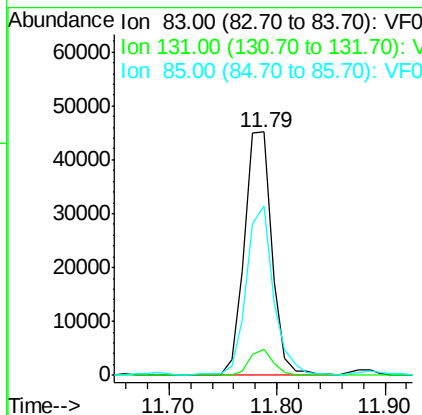
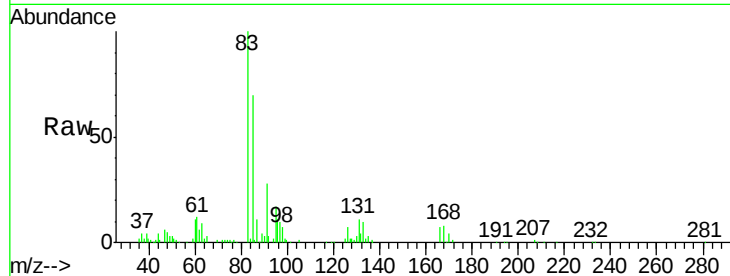
ClientSampleId :

VF0619SBS02

Tot Ion:	83	Resp:	80186
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.5	13.7
85	69.7	32.8	98.3

Manual Integrations
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6/20/2018 11:19:07 AM



#76

1,2,3-Trichloropropane

Concen: 20.92 ug/l

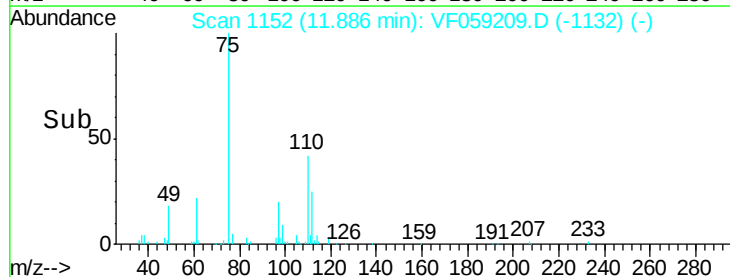
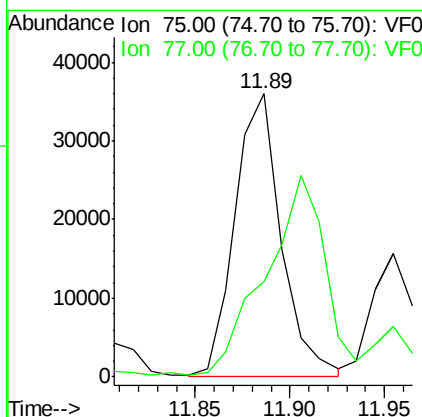
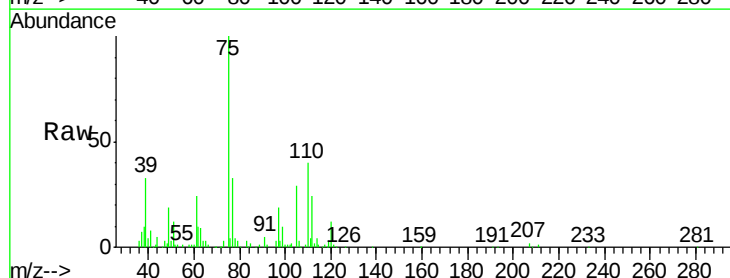
RT: 11.89 min Scan# 1152

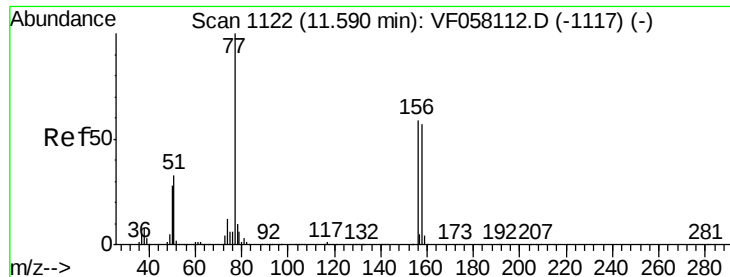
Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion:	75	Resp:	60694
Ion Ratio	Lower	Upper	
75	100		
77	33.5	17.5	52.5





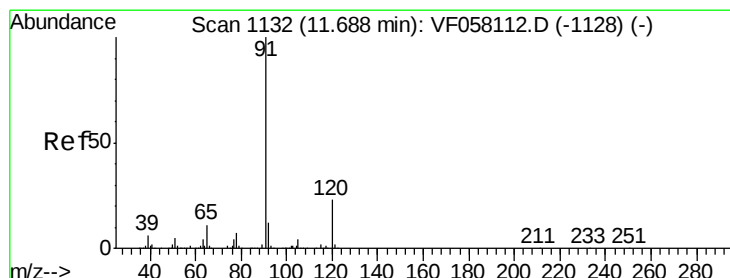
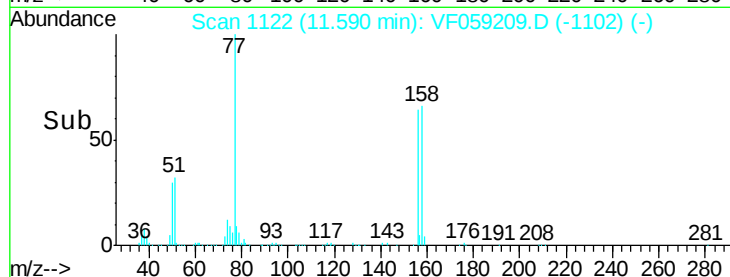
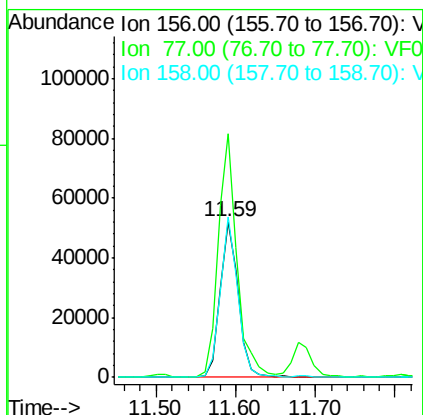
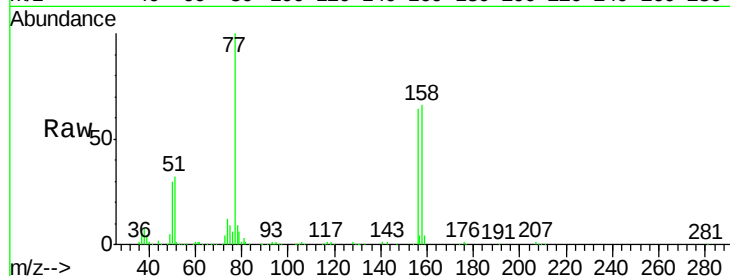
#77
Bromobenzene
Concen: 20.29 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	156.8	84.8	254.4	
158	103.5	47.9	143.7	

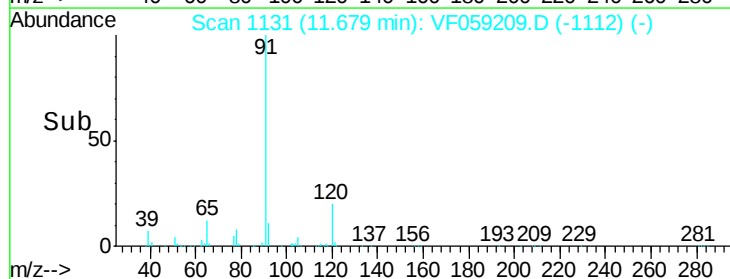
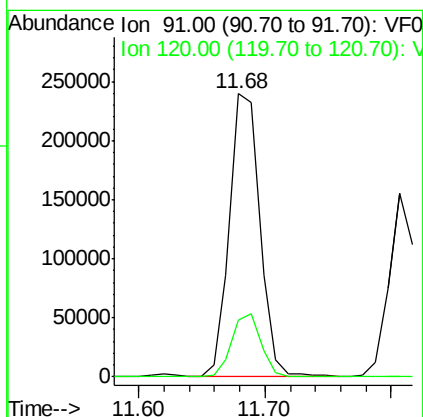
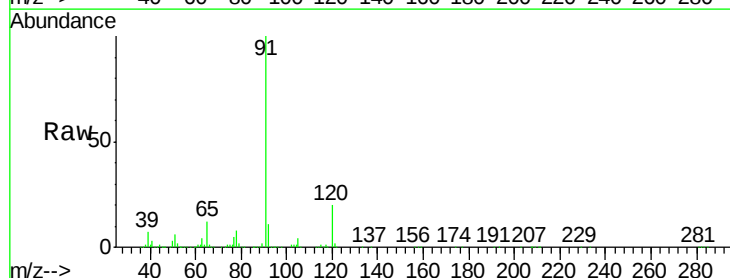
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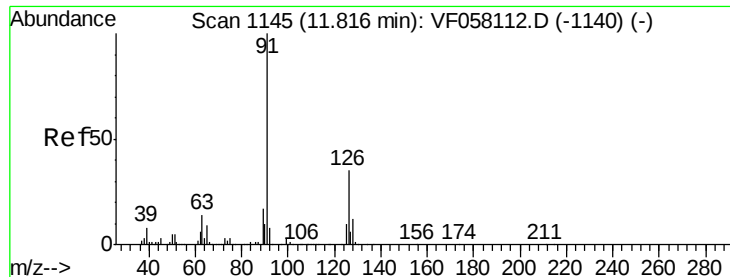
apatel
6/20/2018 11:19:07 AM



#78
n-propylbenzene
Concen: 20.28 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.0	11.5	34.5	





#79

2-Chlorotoluene

Concen: 20.15 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBSD02

Tot Ion: 91 Resp: 233525

Ion Ratio Lower Upper

91 100

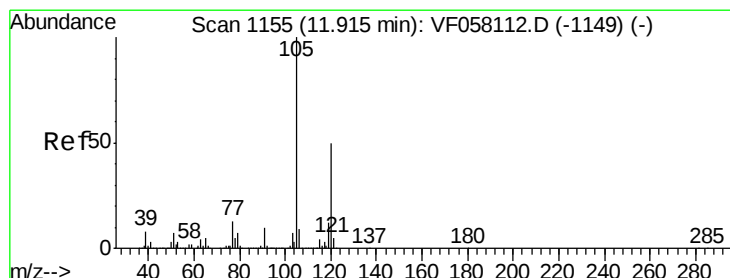
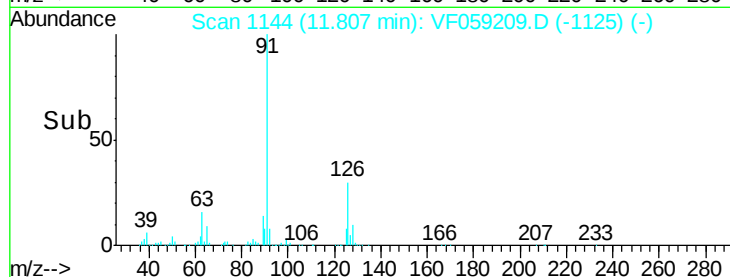
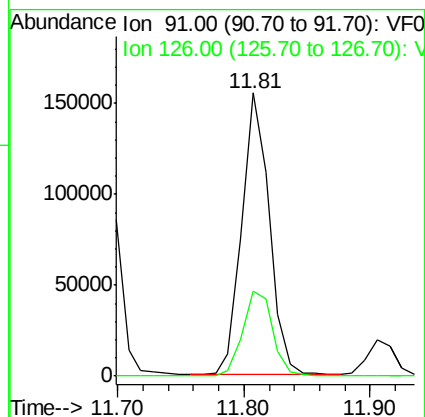
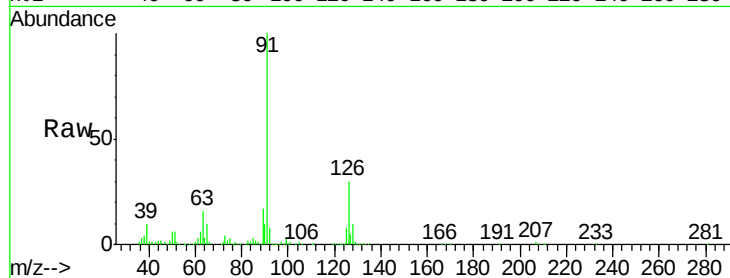
126 30.1 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 20.58 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059209.D

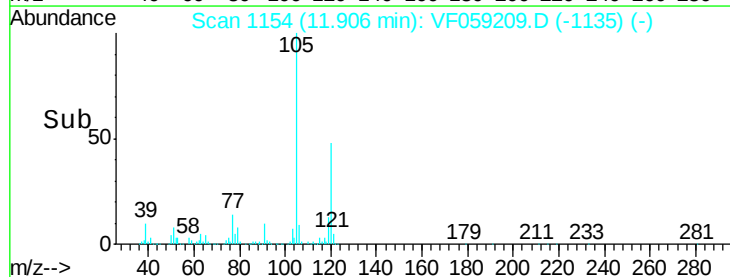
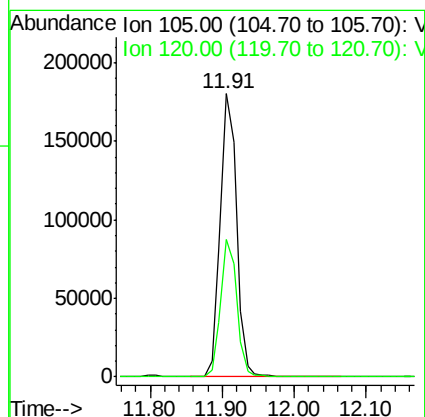
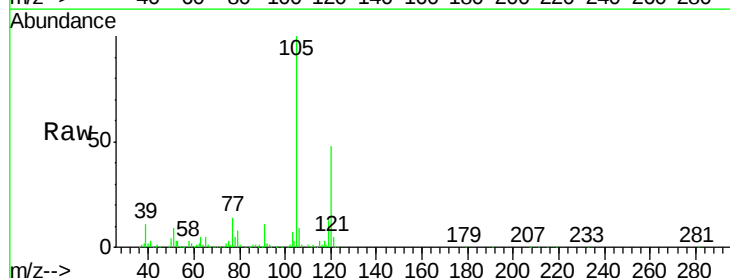
Acq: 20 Jun 2018 2:35

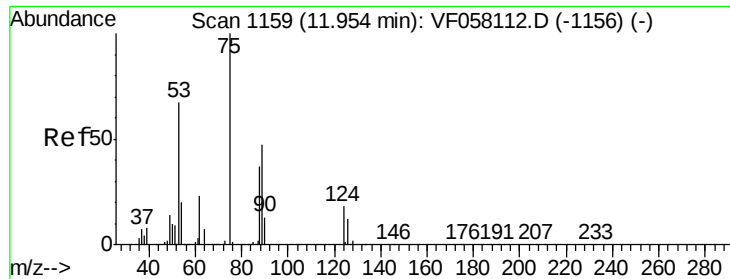
Tgt Ion: 105 Resp: 282300

Ion Ratio Lower Upper

105 100

120 48.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.74 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

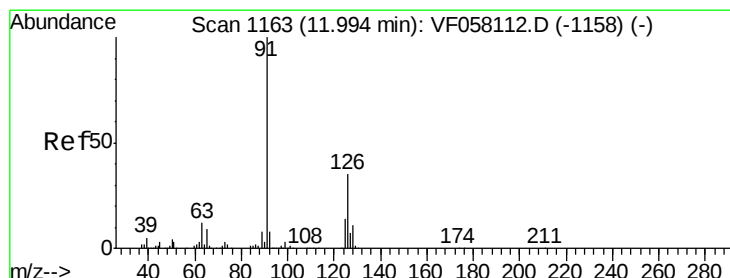
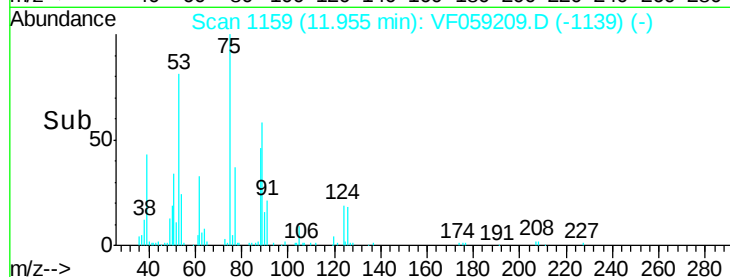
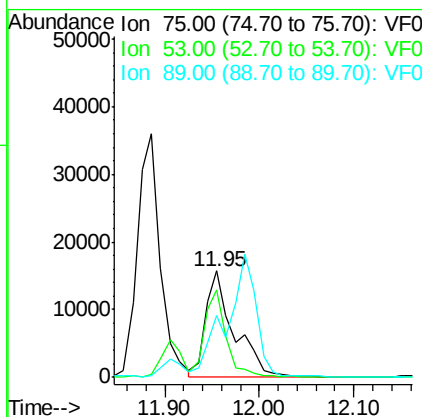
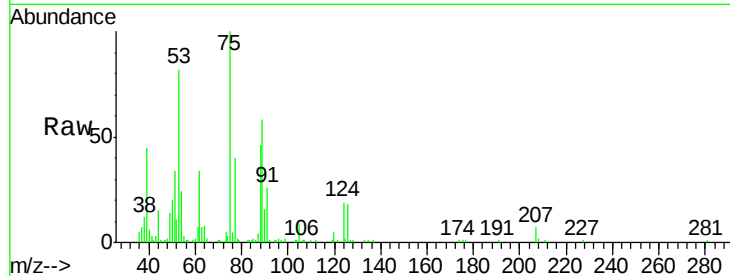
ClientSampleId :

VF0619SBS02

Tot Ion:	75	Resp:	33372
Ion Ratio	Lower	Upper	
75	100		
53	81.6	58.7	88.1
89	58.4	39.8	59.6

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#82

4-Chlorotoluene

Concen: 20.51 ug/l

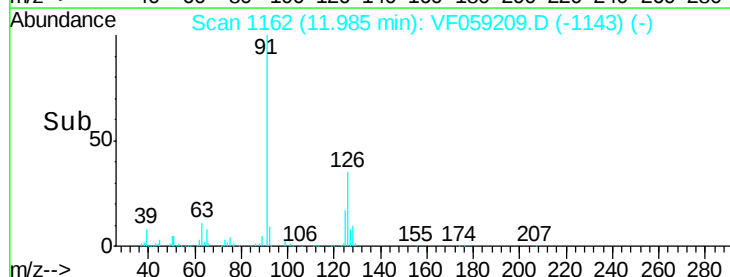
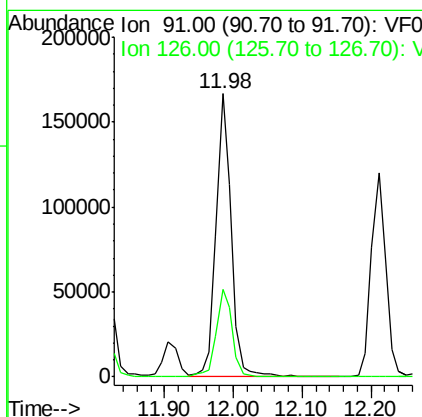
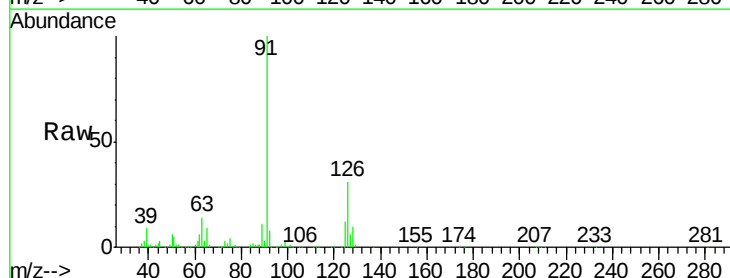
RT: 11.98 min Scan# 1162

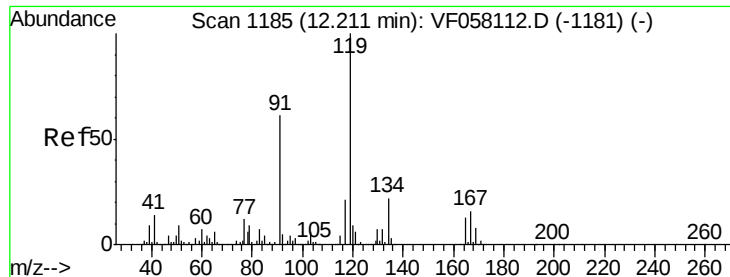
Delta R.T. -0.01 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Tgt Ion:	91	Resp:	253035
Ion Ratio	Lower	Upper	
91	100		
126	31.1	17.4	52.2





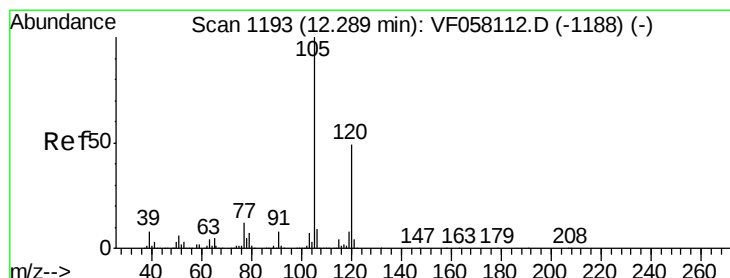
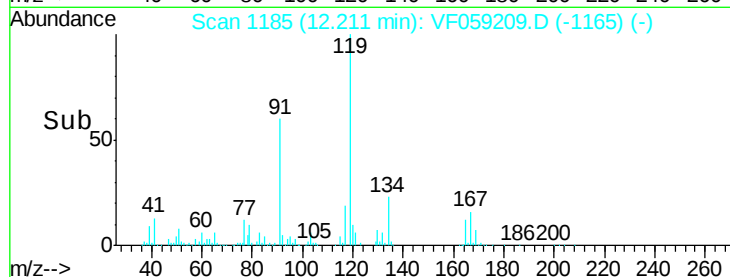
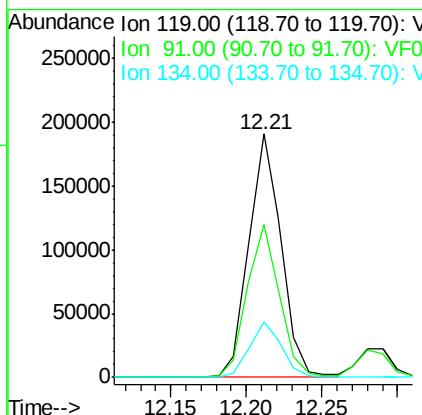
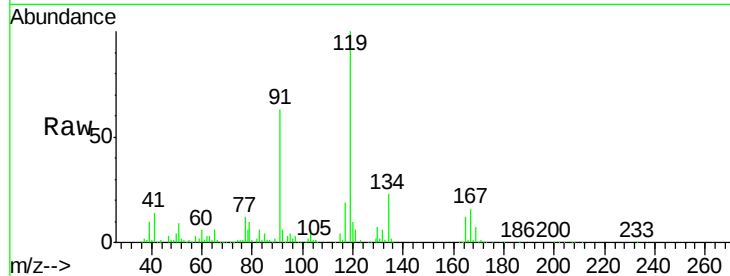
#83
tert-Butylbenzene
Concen: 20.80 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283224		
91	62.8	30.4	91.3	
134	22.6	11.2	33.5	

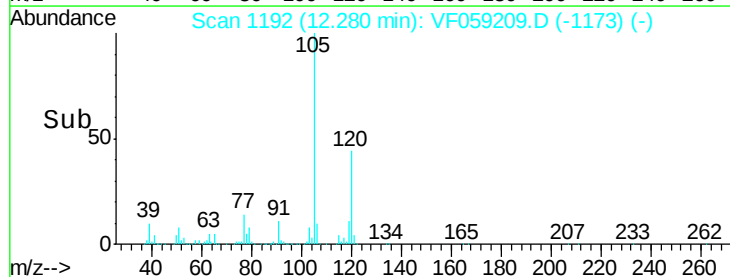
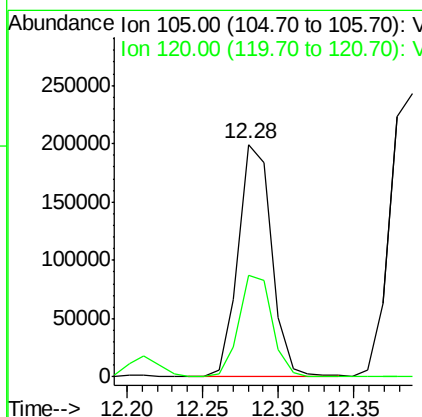
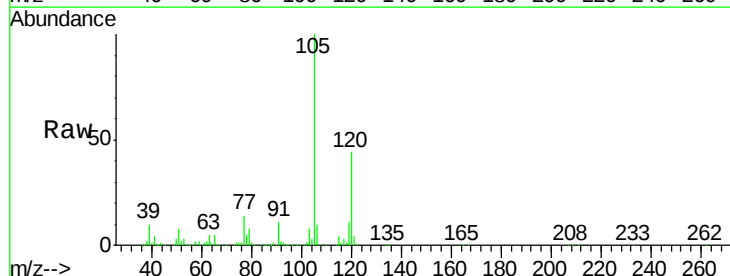
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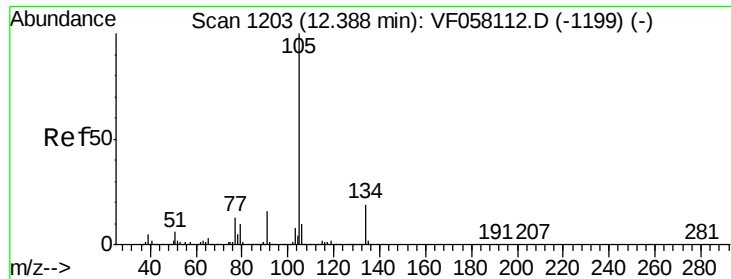
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#84
1,2,4-Trimethylbenzene
Concen: 21.48 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	305251		
120	44.0	24.7	74.1	





#85

sec-Butylbenzene

Concen: 20.64 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBS02

Tot Ion:105 Resp: 381948

Ion Ratio Lower Upper

105 100

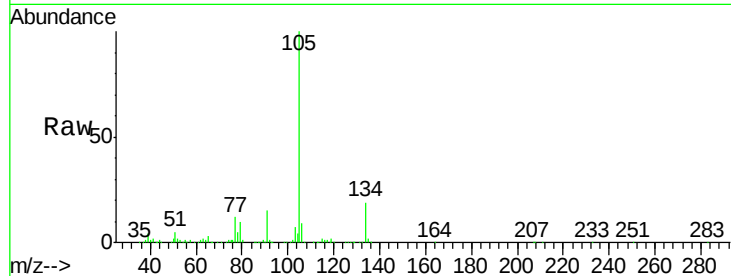
134 19.1 9.6 28.6

Manual Integrations

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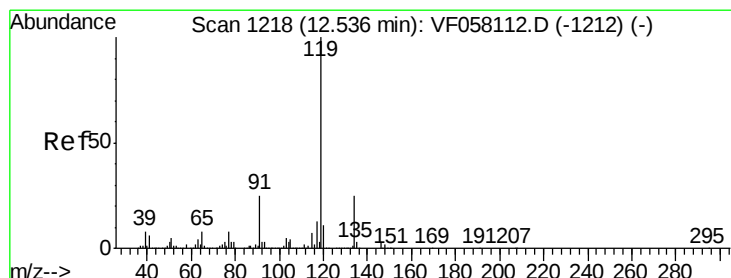
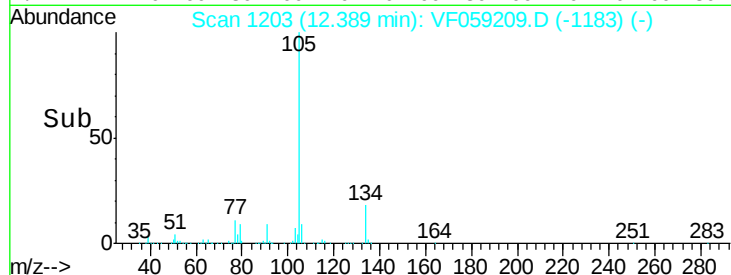
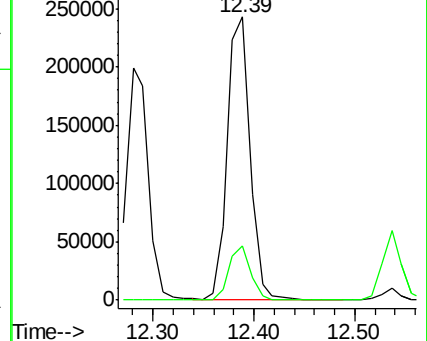
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.26 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059209.D

Acq: 20 Jun 2018 2:35

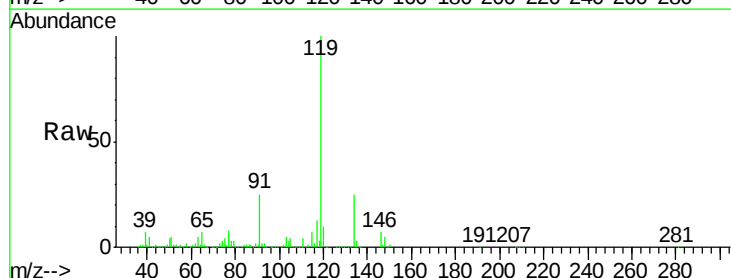
Tgt Ion:119 Resp: 323182

Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.0

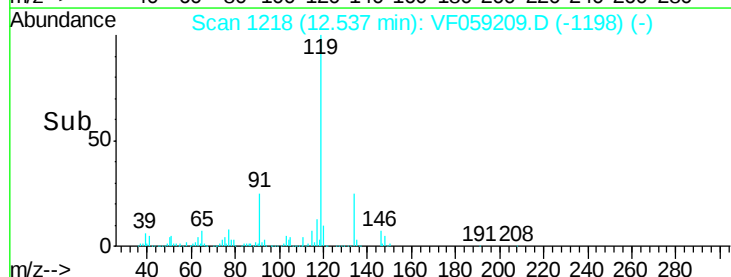
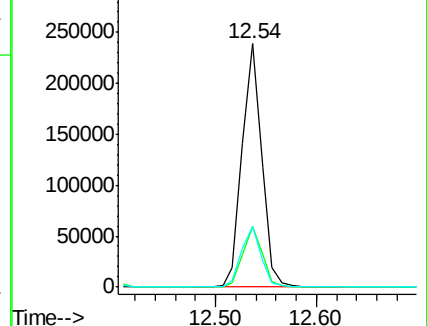
91 24.6 12.6 37.6

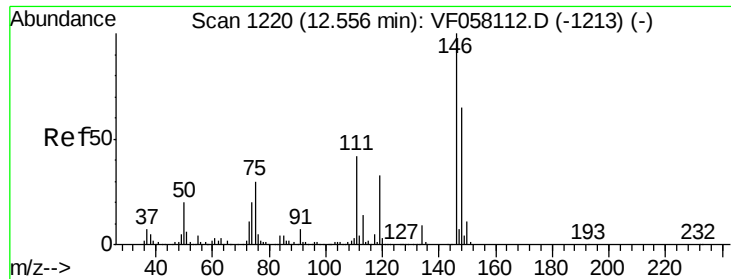


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





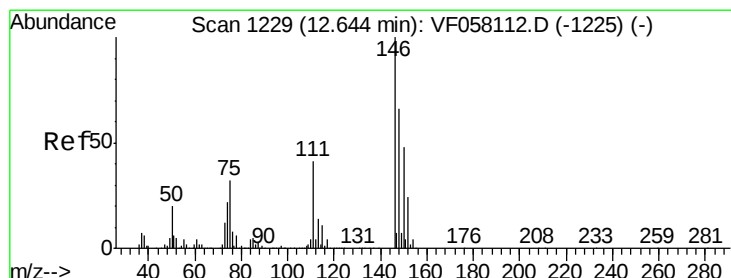
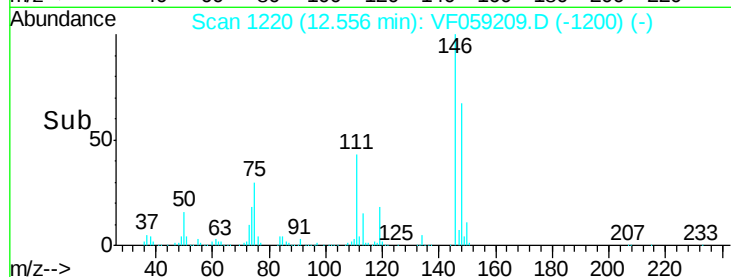
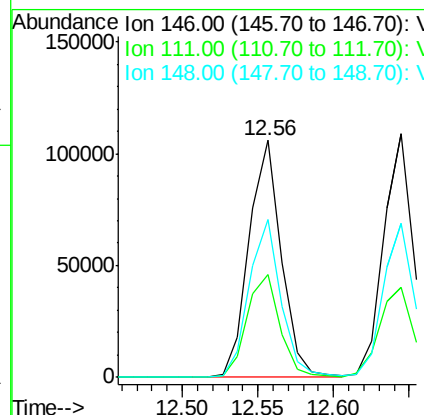
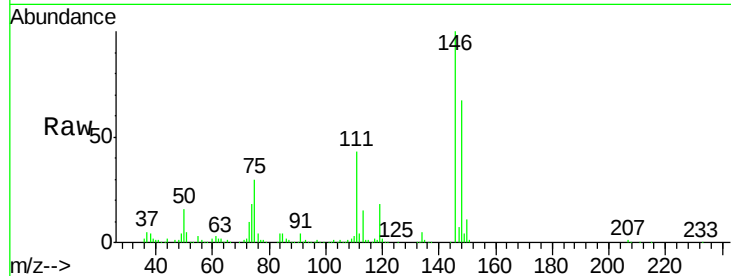
#87
 1,3-Dichlorobenzene
 Concen: 20.56 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	158340		
111	43.3	20.8	62.5	
148	66.7	32.3	96.9	

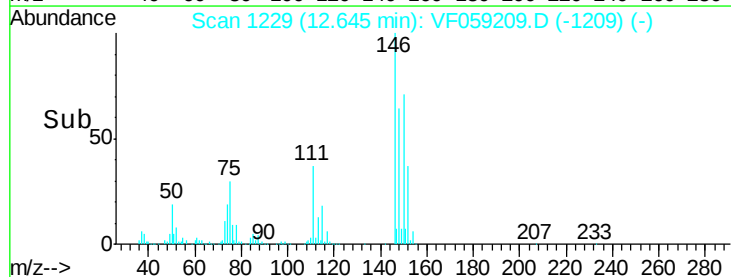
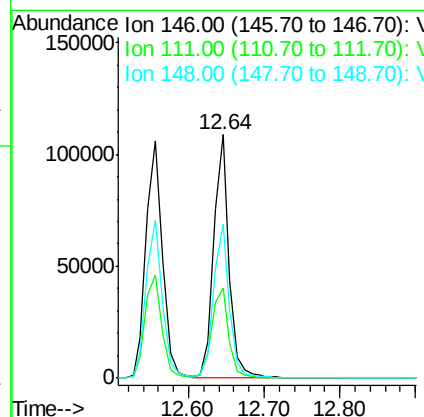
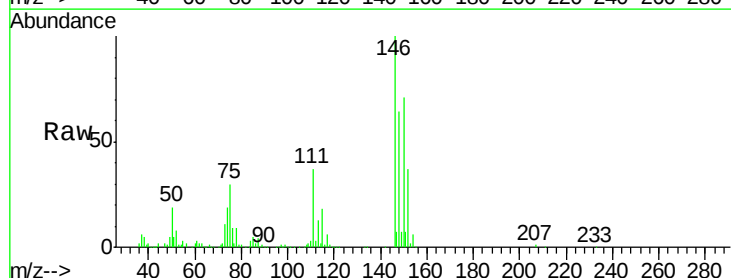
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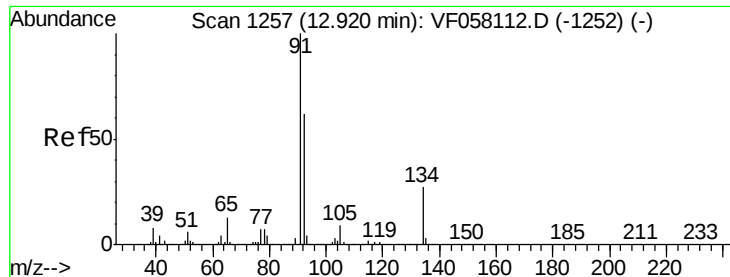
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#88
 1,4-Dichlorobenzene
 Concen: 21.19 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	157236		
111	37.1	20.4	61.2	
148	63.5	33.0	99.0	





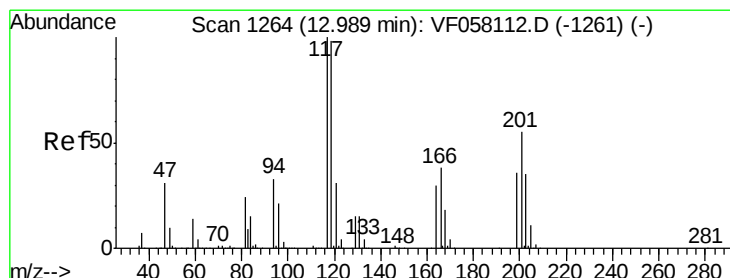
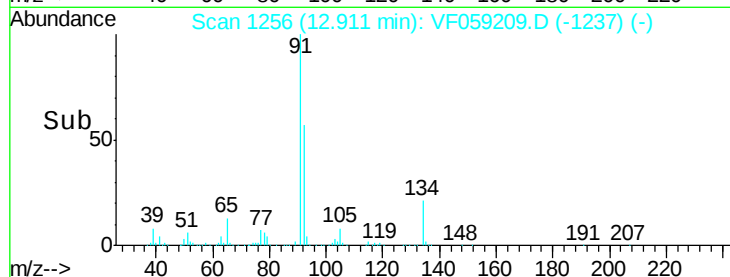
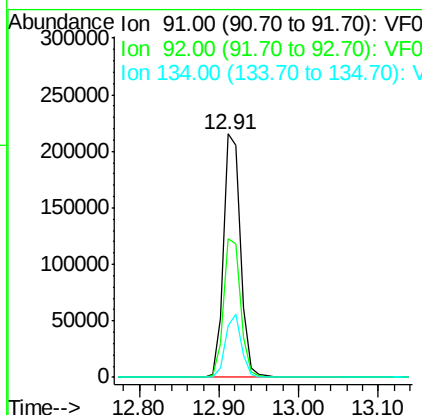
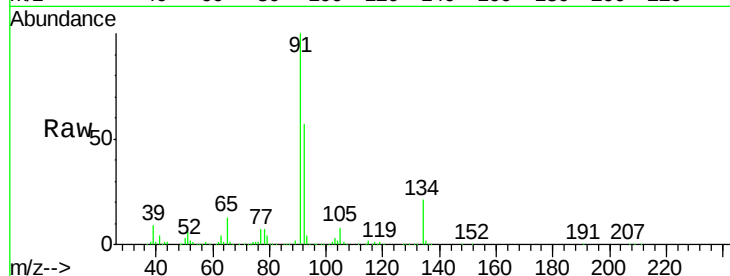
#89
n-Butylbenzene
Concen: 18.75 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.0	31.1	93.5
134	21.1	13.6	40.8

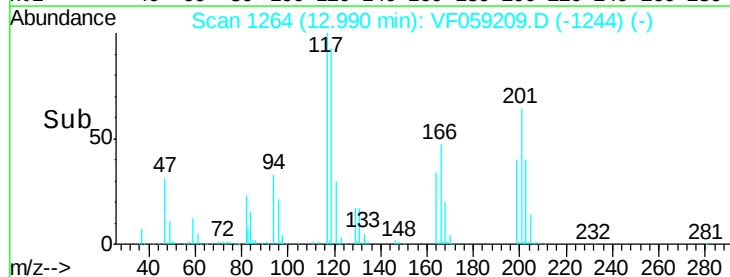
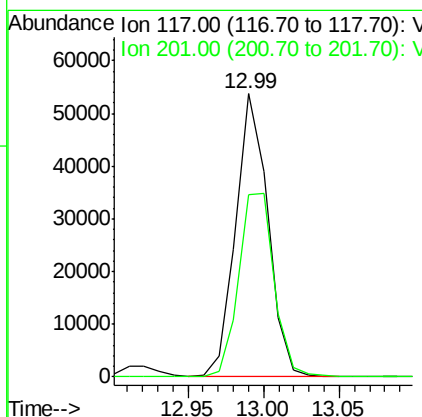
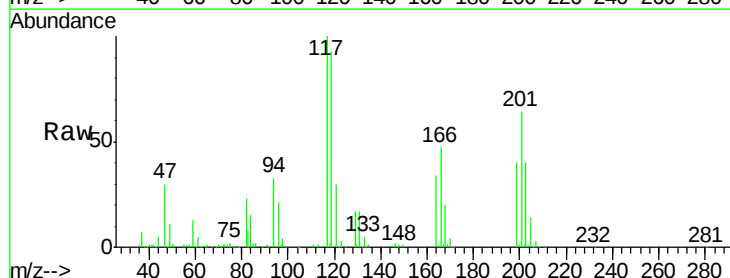
Manual Integrations
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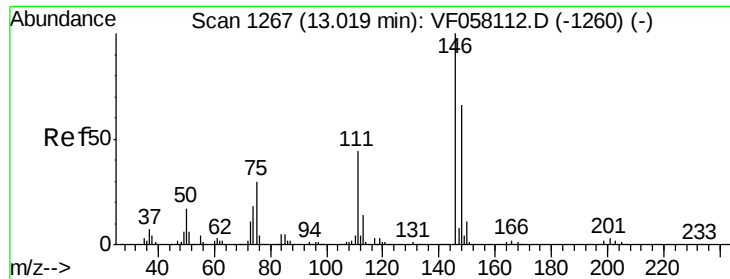
apatel
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#90
Hexachloroethane
Concen: 21.11 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.2	27.5	82.4





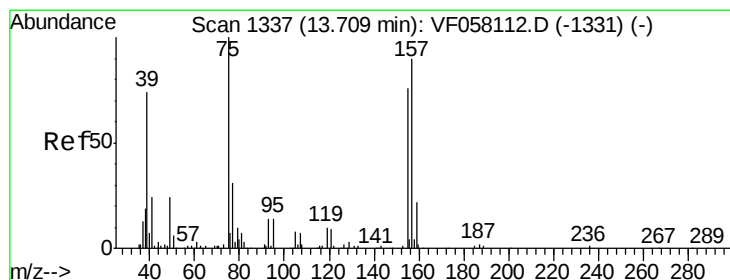
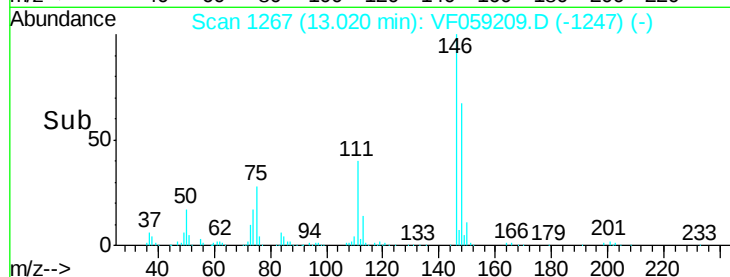
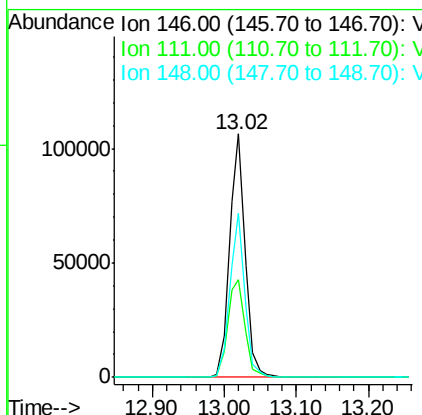
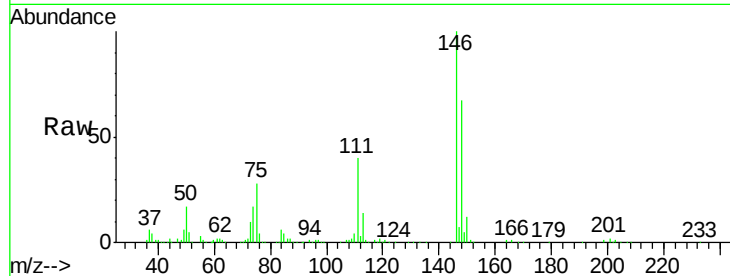
#91
 1,2-Dichlorobenzene
 Concen: 21.43 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	158971		
111	40.2	22.0	66.0	
148	67.5	33.1	99.3	

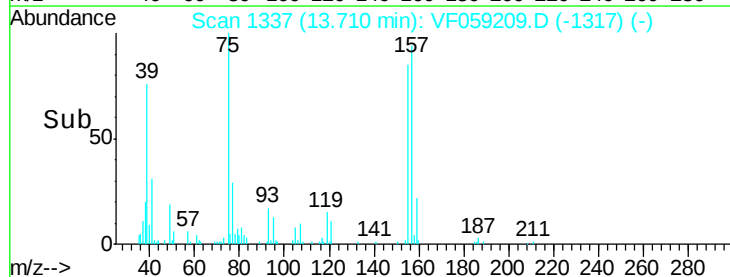
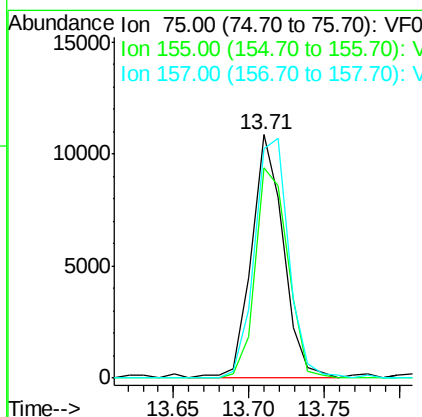
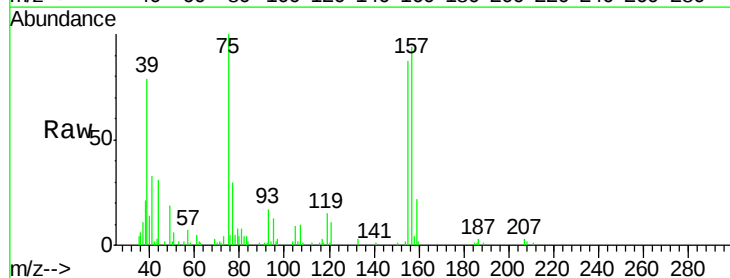
Manual Integrations
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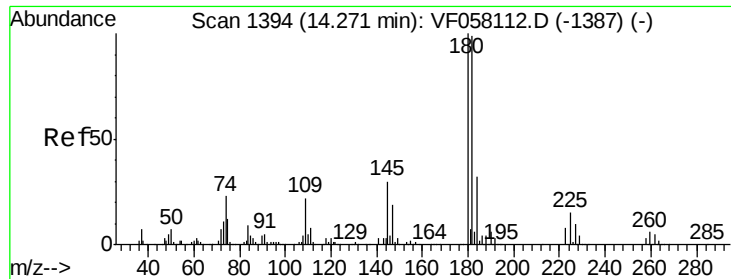
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.78 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16013		
155	86.5	38.0	114.0	
157	94.2	45.1	135.5	





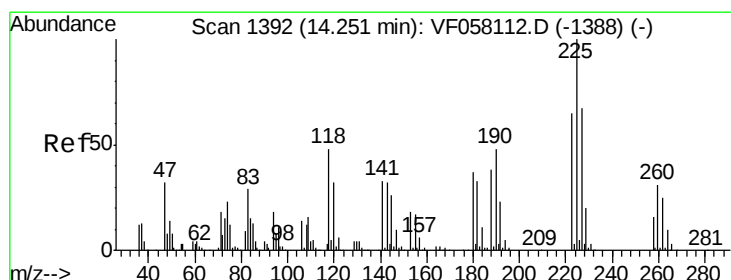
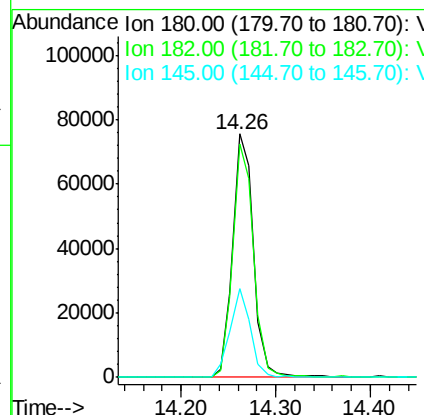
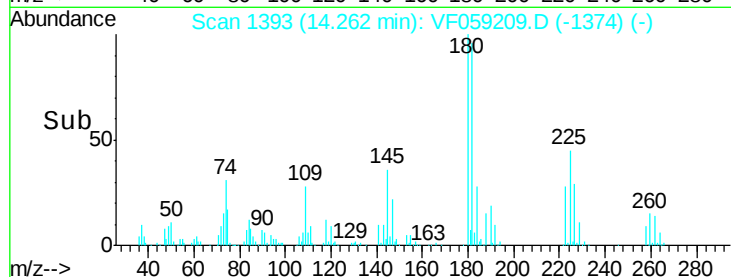
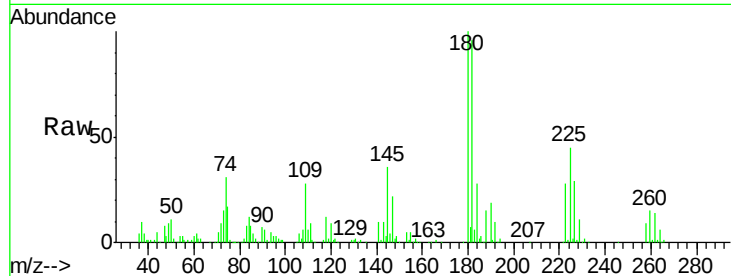
#93
 1,2,4-Trichlorobenzene
 Concen: 22.18 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115080		
182	95.8	49.3	147.9	
145	36.3	14.9	44.9	

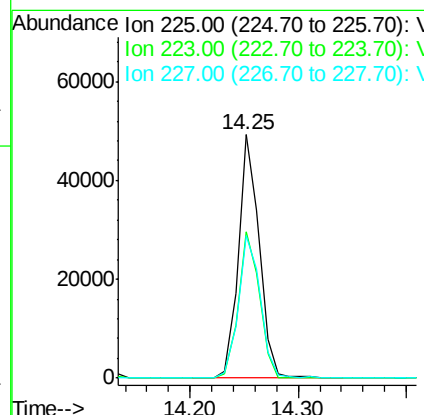
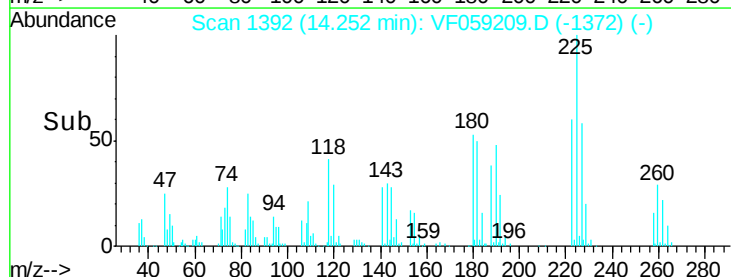
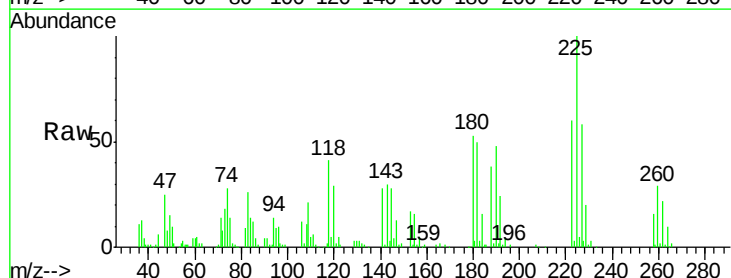
Manual Integrations
 APPROVED

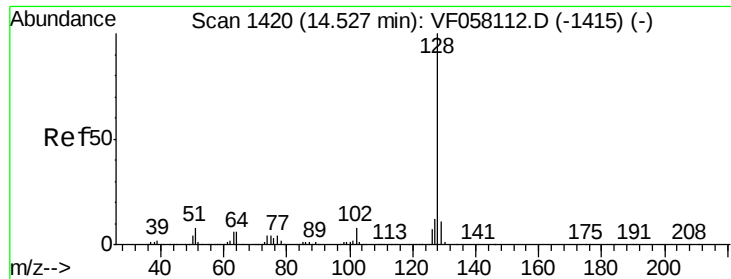
apatel
 6/20/2018 11:19:07 AM



#94
 Hexachlorobutadiene
 Concen: 21.96 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059209.D
 Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65938		
223	59.9	32.8	98.3	
227	58.3	33.3	99.9	





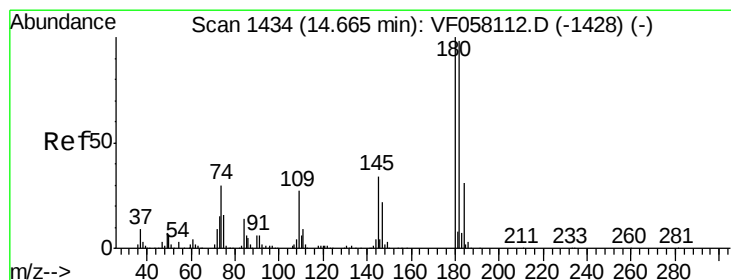
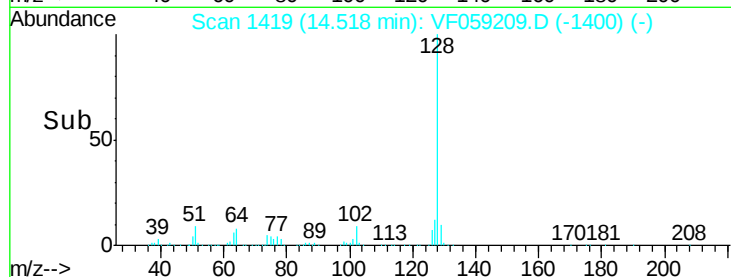
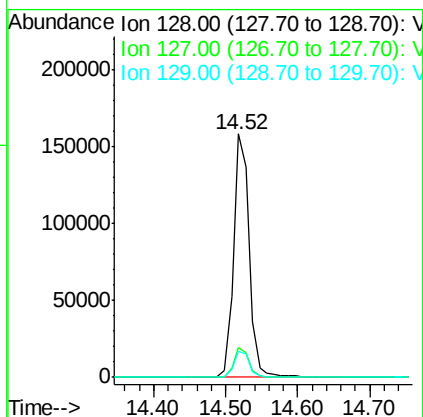
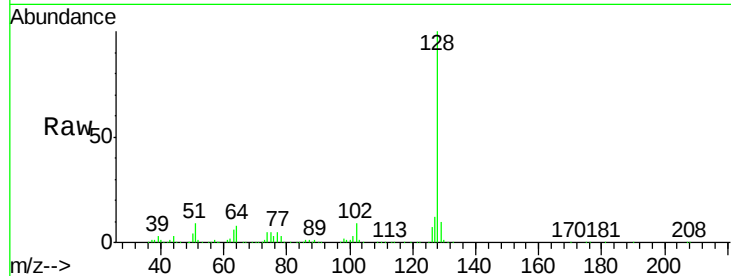
#95
Naphthalene
Concen: 21.65 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	239982		
127	12.4	9.9	14.9	
129	10.5	8.7	13.1	

Manual Integrations
APPROVED

apatel
6/20/2018 11:19:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.58 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059209.D
Acq: 20 Jun 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108266		
182	101.3	48.9	146.6	
145	31.4	17.3	51.7	

