

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059250.D
 Acq On : 21 Jun 2018 4:24
 Operator : VA/AP
 Sample : VF0620SBS02
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Manual Integrations
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apatel
 6/21/2018 9:46:40 AM

Quant Time: Jun 21 08:02:50 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	222859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	357019	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	363997	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	229557	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	176605	65.34	ug/l	0.01
Spiked Amount	50.000		Recovery	=	130.68%	
35) Dibromofluoromethane	4.30	113	157292	62.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.58%	
50) Toluene-d8	7.72	98	382814	52.02	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.51	95	215110	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	56941	22.57	ug/l	96
3) Chloromethane	1.08	50	33435	17.11	ug/l	98
4) Vinyl Chloride	1.14	62	35699	20.25	ug/l	95
5) Bromomethane	1.34	94	22287	21.70	ug/l	93
6) Chloroethane	1.43	64	15642	21.39	ug/l #	83
7) Trichlorofluoromethane	1.49	101	65087m	23.75	ug/l	
8) Diethyl Ether	1.70	74	14650	21.25	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	41219	23.60	ug/l	98
10) Methyl Iodide	1.97	142	65953	21.58	ug/l	91
11) Tert butyl alcohol	2.69	59	20168	116.46	ug/l	98
12) 1,1-Dichloroethene	1.86	96	32887	22.40	ug/l	98
13) Acrolein	2.09	56	9427	62.89	ug/l	96
14) Allyl chloride	2.19	41	59718	20.72	ug/l	89
15) Acrylonitrile	3.08	53	47884	139.22	ug/l	98
16) Acetone	2.34	43	66757	103.45	ug/l #	91
17) Carbon Disulfide	1.87	76	75385	18.28	ug/l	96
18) Methyl Acetate	2.45	43	28738	25.90	ug/l #	88
19) Methyl tert-butyl Ether	2.54	73	118673	26.03	ug/l	99
20) Methylene Chloride	2.28	84	36862m	23.86	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	32660	20.28	ug/l	83
22) Diisopropyl ether	2.93	45	130550	23.04	ug/l	94
23) Vinyl Acetate	3.34	43	441204	118.11	ug/l	99
24) 1,1-Dichloroethane	3.00	63	85948	25.02	ug/l	99
25) 2-Butanone	4.51	43	96781	96.74	ug/l	93
26) 2,2-Dichloropropane	3.76	77	51001	20.47	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	53943	21.76	ug/l	92
28) Bromochloromethane	3.89	49	40545	26.23	ug/l #	94
29) Tetrahydrofuran	4.26	42	49607	112.53	ug/l	98
30) Chloroform	4.04	83	123073	25.05	ug/l	98
31) Cyclohexane	3.86	56	57316	19.10	ug/l	94
32) 1,1,1-Trichloroethane	4.28	97	91294	24.89	ug/l	95
36) 1,1-Dichloropropene	4.46	75	74089	21.41	ug/l	94
37) Ethyl Acetate	4.30	43	54078	25.29	ug/l #	91
38) Carbon Tetrachloride	4.17	117	100681	26.84	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	71602	20.30	ug/l	89
40) Benzene	4.81	78	168304	20.95	ug/l	99
41) Methacrylonitrile	4.92	41	25589	24.36	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	103409	28.70	ug/l	97
43) Isopropyl Acetate	7.11	43	60539	21.14	ug/l #	98
44) Trichloroethene	5.68	130	58847	23.45	ug/l	95
45) 1,2-Dichloropropane	6.41	63	48681	21.02	ug/l	98
46) Dibromomethane	6.26	93	41749	23.96	ug/l	88
47) Bromodichloromethane	6.55	83	96945	24.46	ug/l	95
48) Methyl methacrylate	6.87	41	40078	22.70	ug/l	89
49) 1,4-Dioxane	6.87	88	4312	320.27	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	236995	120.75	ug/l	99
52) Toluene	7.79	92	119440	20.64	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	88658	23.09	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	90748	20.58	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	48971	23.36	ug/l	98
56) Ethyl methacrylate	8.76	69	56428	21.35	ug/l	92
57) 1,3-Dichloropropane	9.01	76	80458	22.43	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	21811	115.43	ug/l	100
59) 2-Hexanone	9.64	43	180626	116.34	ug/l	92
60) Dibromochloromethane	8.87	129	73281	24.32	ug/l	96
61) 1,2-Dibromoethane	9.14	107	58773	24.13	ug/l	94
64) Tetrachloroethene	8.31	164	63914	23.94	ug/l	93
65) Chlorobenzene	9.94	112	157754	21.89	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	67328	23.48	ug/l	93
67) Ethyl Benzene	10.04	91	268506	21.44	ug/l	98
68) m/p-Xylenes	10.27	106	195506	41.69	ug/l	91
69) o-Xylene	10.83	106	108960	21.50	ug/l	99
70) Styrene	10.90	104	159931	20.86	ug/l	95
71) Bromoform	10.89	173	47196	24.24	ug/l #	95
73) Isopropylbenzene	11.23	105	325728	20.49	ug/l	97
74) N-amyl acetate	11.46	43	114699	20.20	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	83387	22.13	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	63325	22.76	ug/l	92
77) Bromobenzene	11.60	156	86422	21.61	ug/l	80
78) n-propylbenzene	11.69	91	378619	20.13	ug/l	97
79) 2-Chlorotoluene	11.82	91	227587	20.48	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	288596	21.94	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	33304	18.46	ug/l	97
82) 4-Chlorotoluene	11.99	91	251957	21.30	ug/l	95
83) tert-Butylbenzene	12.22	119	283789	21.73	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	294227	21.59	ug/l	94
85) sec-Butylbenzene	12.39	105	387805	21.85	ug/l	98
86) p-Isopropyltoluene	12.54	119	322553	22.13	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	162122	21.95	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	152440	21.42	ug/l	98
89) n-Butylbenzene	12.92	91	323763	19.47	ug/l	95
90) Hexachloroethane	13.00	117	76931	21.43	ug/l	72
91) 1,2-Dichlorobenzene	13.02	146	161420	22.69	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	16132	21.83	ug/l	72

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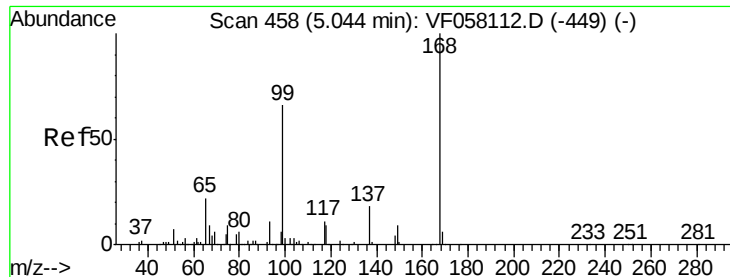
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	110431	22.19	ug/l	97
94) Hexachlorobutadiene	14.26	225	64240	22.31	ug/l	93
95) Naphthalene	14.53	128	233684	21.99	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	105805	23.01	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion:168 Resp: 222859

Ion Ratio Lower Upper

168 100

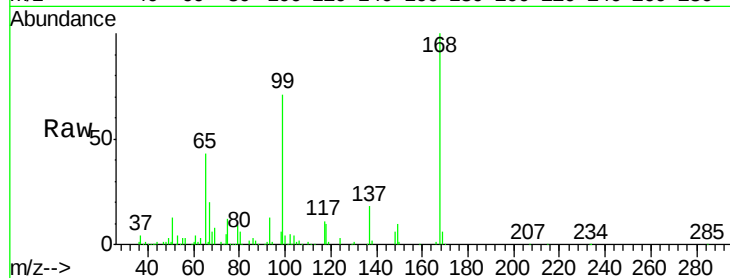
99 71.1 52.9 79.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

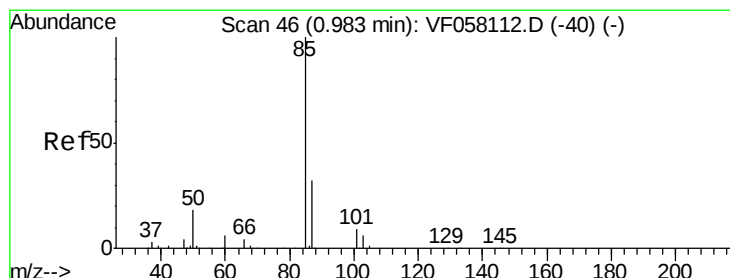
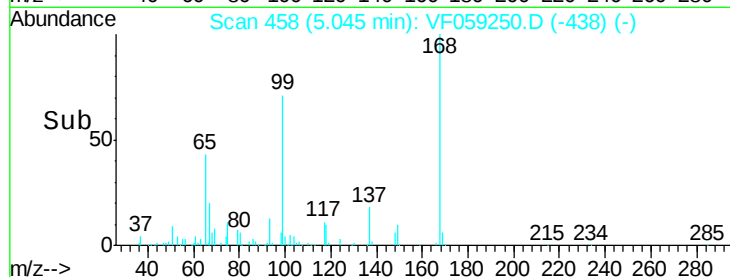
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.57 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059250.D

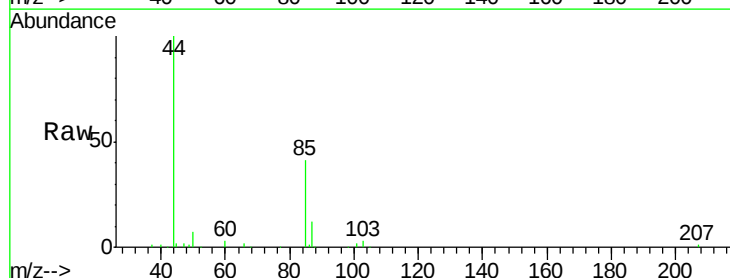
Acq: 21 Jun 2018 4:24

Tgt Ion: 85 Resp: 56941

Ion Ratio Lower Upper

85 100

87 30.1 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

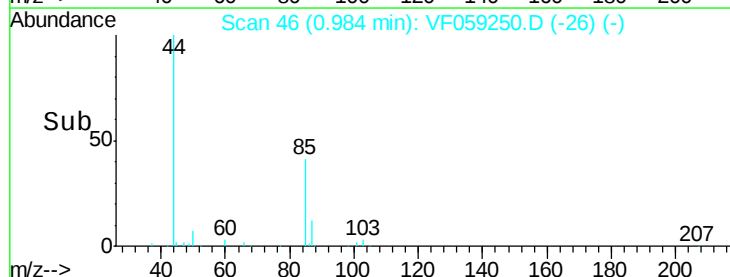
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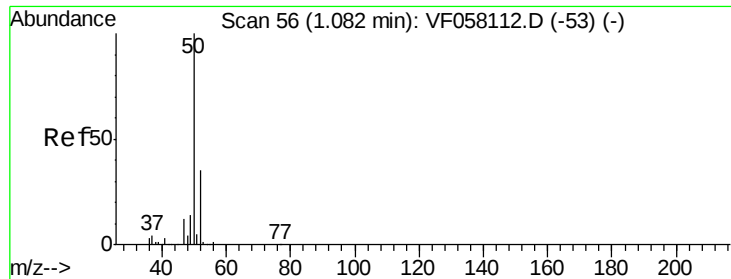
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.11 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 50 Resp: 33435

Ion Ratio Lower Upper

50 100

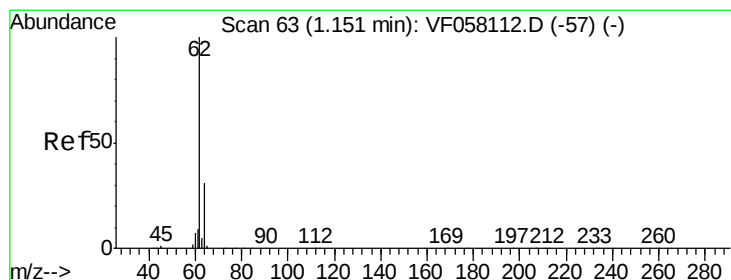
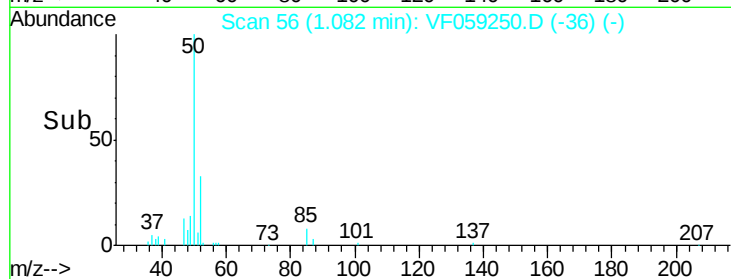
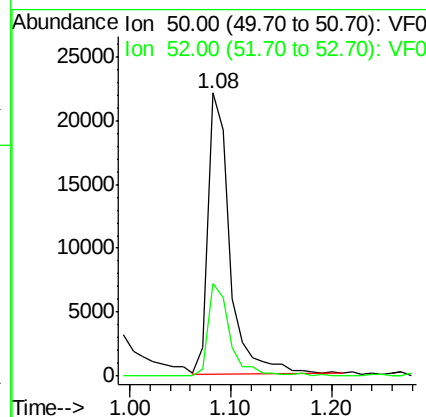
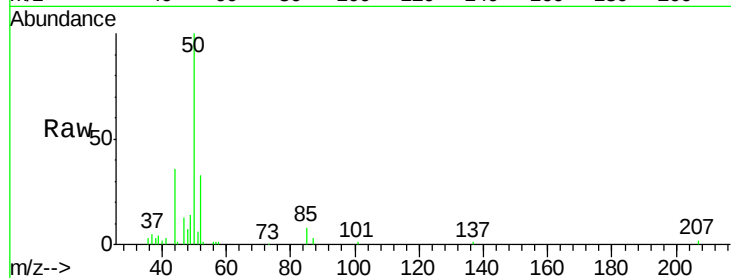
52 32.8 27.3 40.9

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#4

Vinyl Chloride

Concen: 20.25 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059250.D

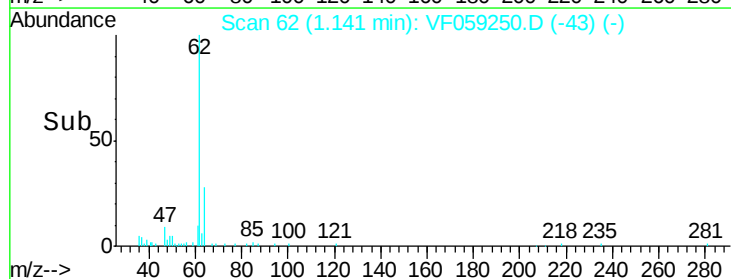
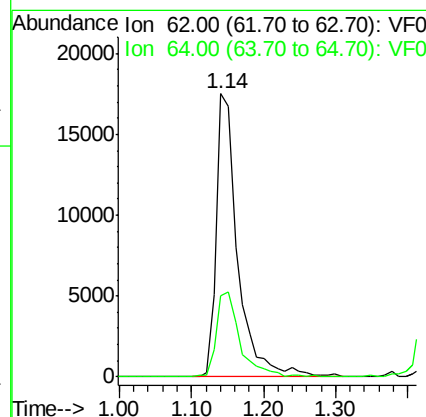
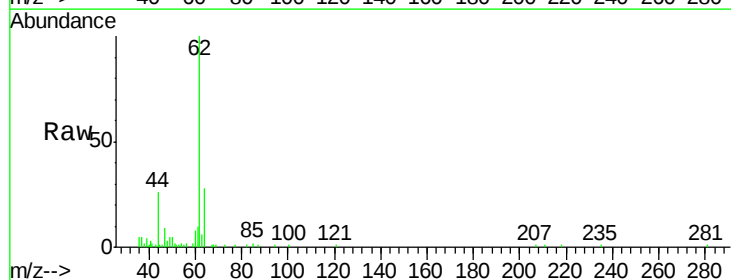
Acq: 21 Jun 2018 4:24

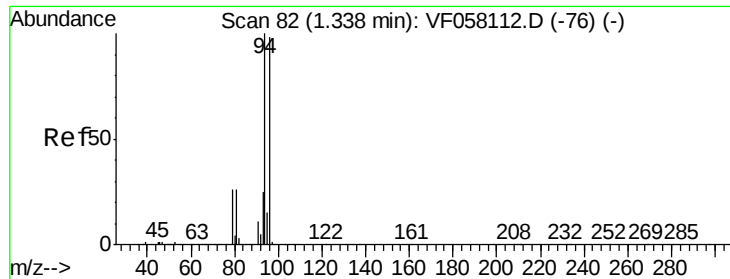
Tgt Ion: 62 Resp: 35699

Ion Ratio Lower Upper

62 100

64 28.5 25.0 37.6





#5

Bromomethane

Concen: 21.70 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 94 Resp: 22287

Ion Ratio Lower Upper

94 100

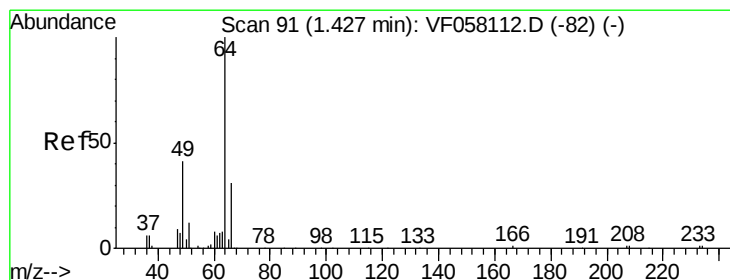
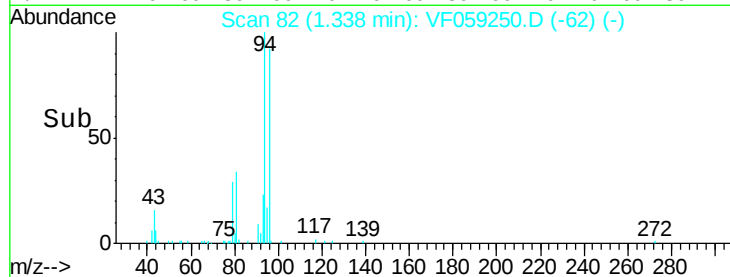
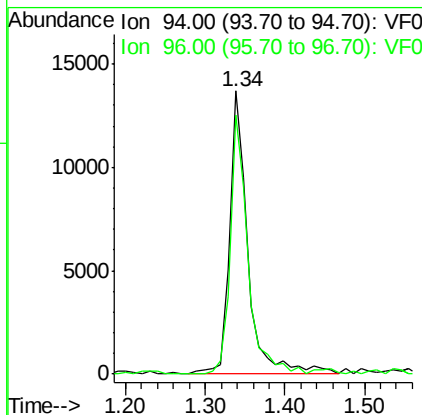
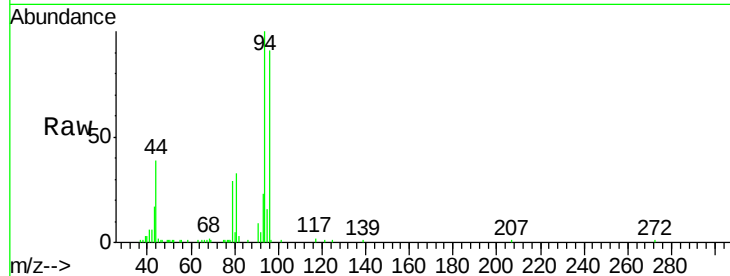
96 91.4 78.6 117.8

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#6

Chloroethane

Concen: 21.39 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059250.D

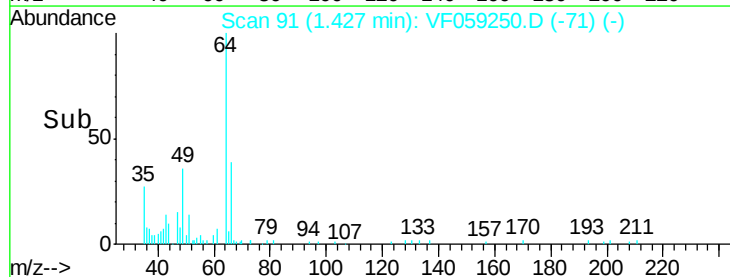
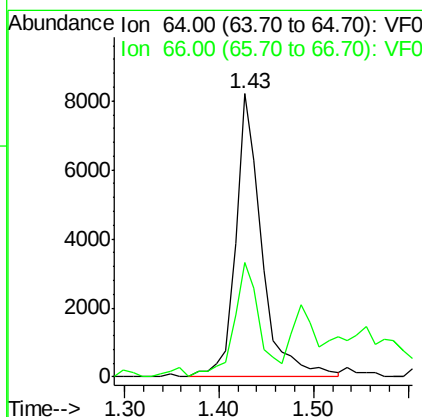
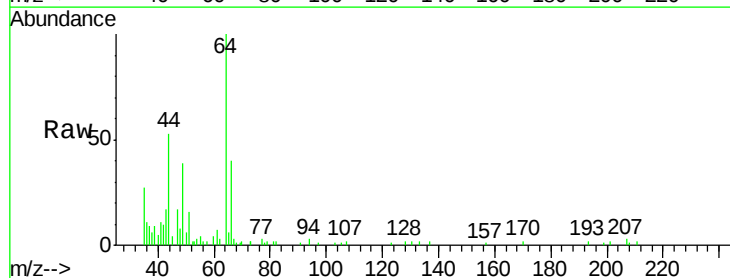
Acq: 21 Jun 2018 4:24

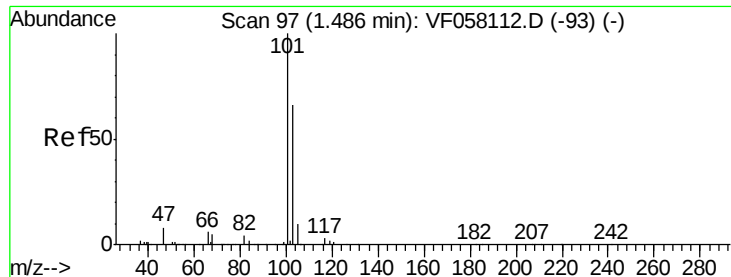
Tgt Ion: 64 Resp: 15642

Ion Ratio Lower Upper

64 100

66 40.5 24.9 37.3#





#7

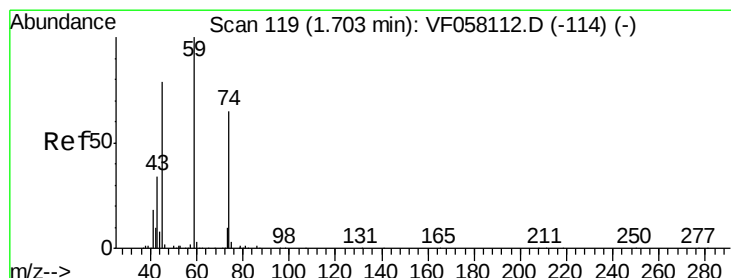
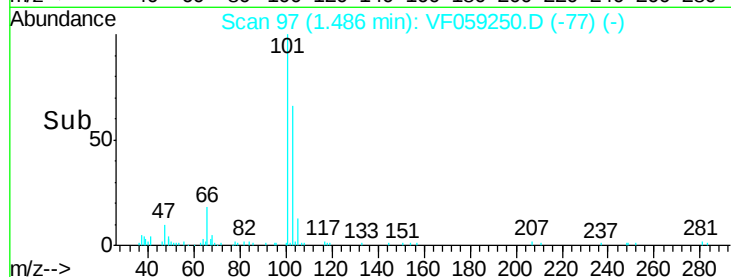
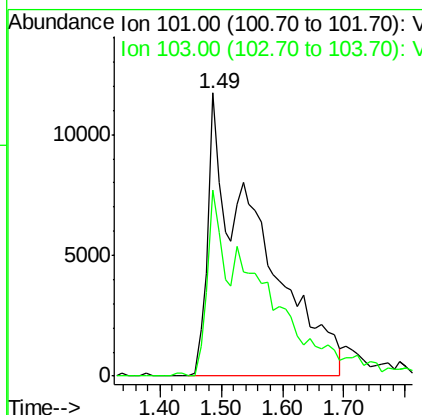
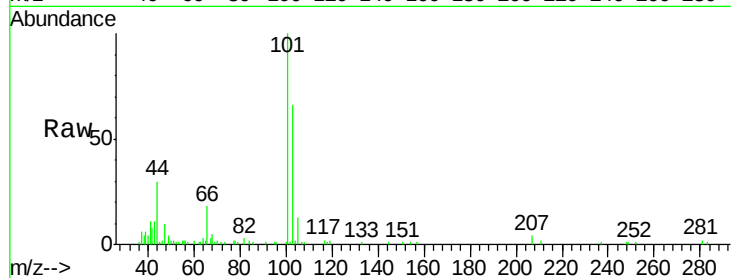
Trichlorofluoromethane
Concen: 23.75 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
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ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	53.4	80.2

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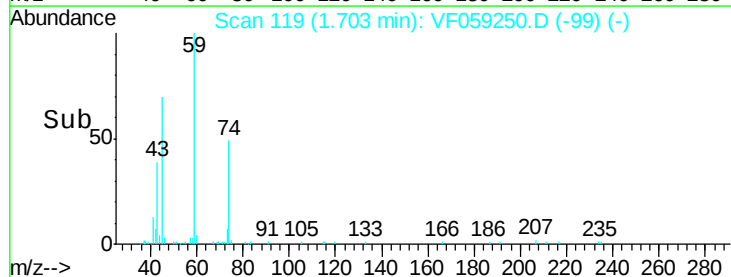
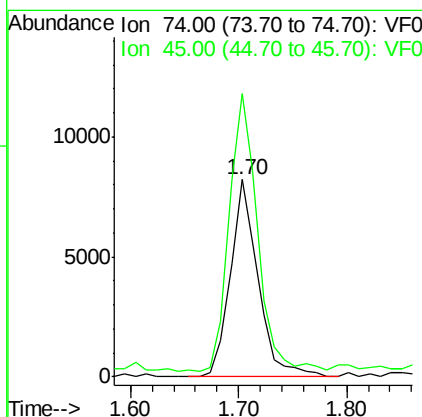
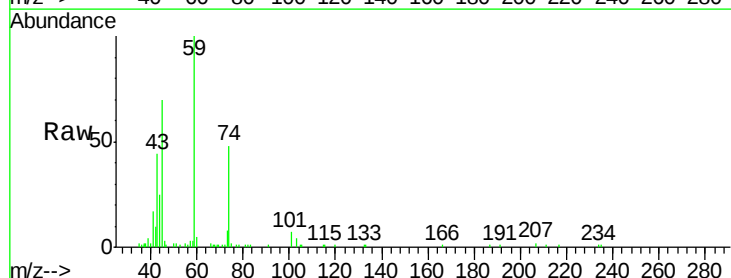
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#8

Diethyl Ether
Concen: 21.25 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	143.6	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.60 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

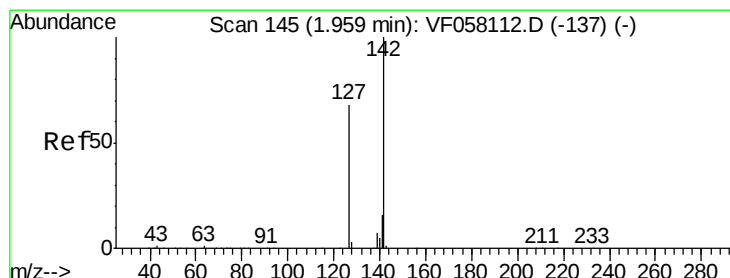
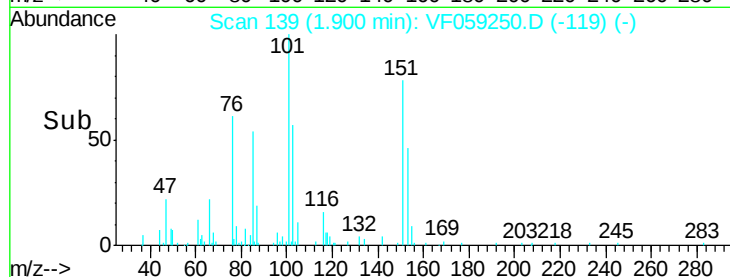
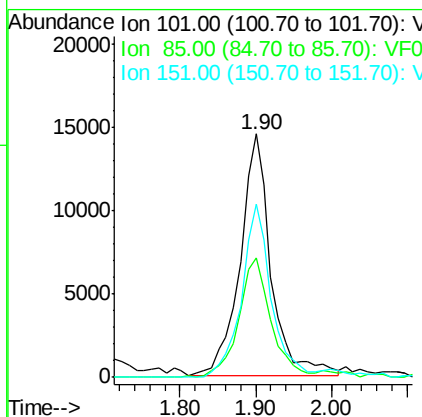
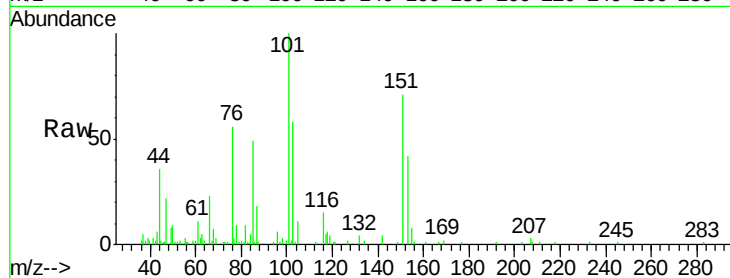
ClientSampleId :

VF0620SBS02

Tot Ion:	101	Resp:	41219
Ion Ratio	Lower	Upper	
101	100		
85	49.3	42.2	63.4
151	71.3	56.8	85.2

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#10

Methyl Iodide

Concen: 21.58 ug/l

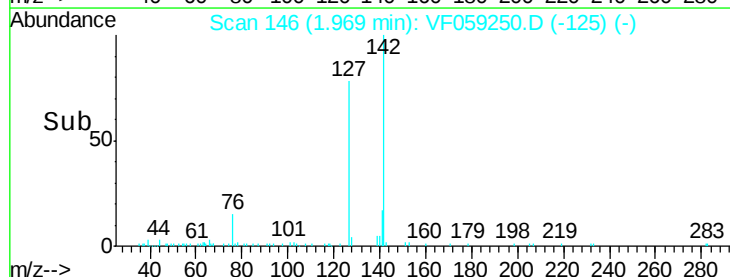
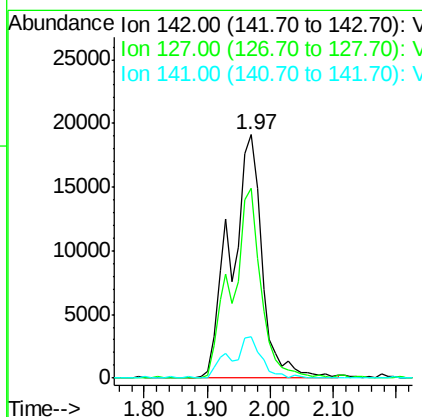
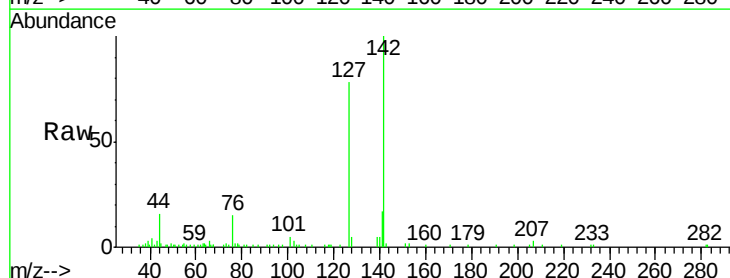
RT: 1.97 min Scan# 146

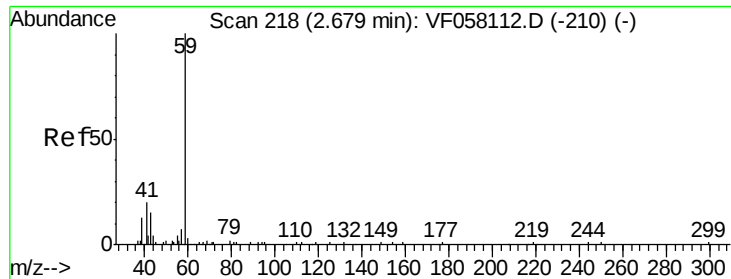
Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	142	Resp:	65953
Ion Ratio	Lower	Upper	
142	100		
127	76.9	54.1	81.1
141	16.5	13.0	19.4





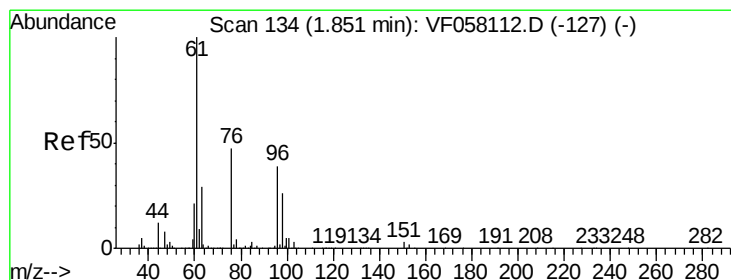
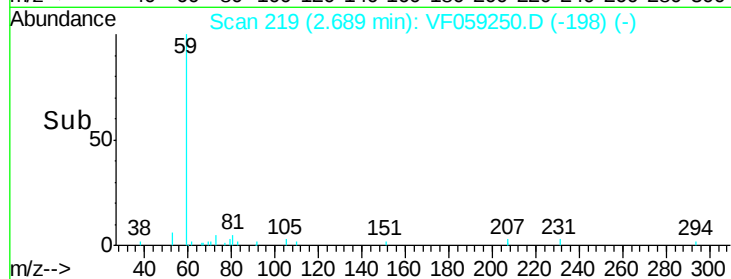
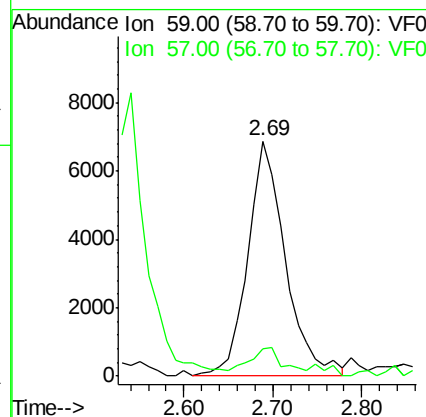
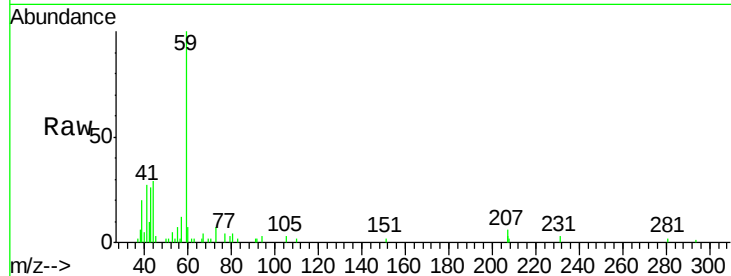
#11
Tert butyl alcohol
Concen: 116.46 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.7	13.1

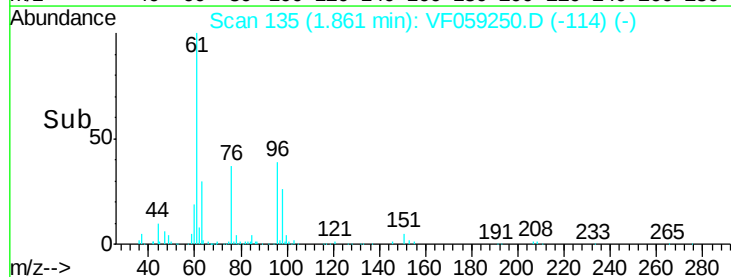
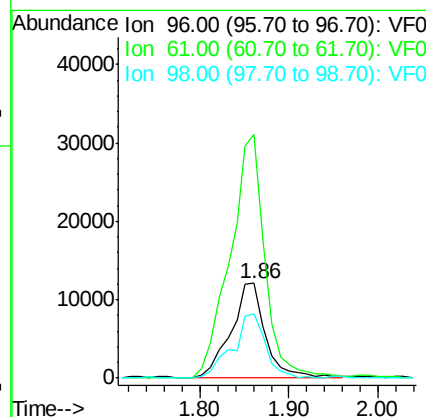
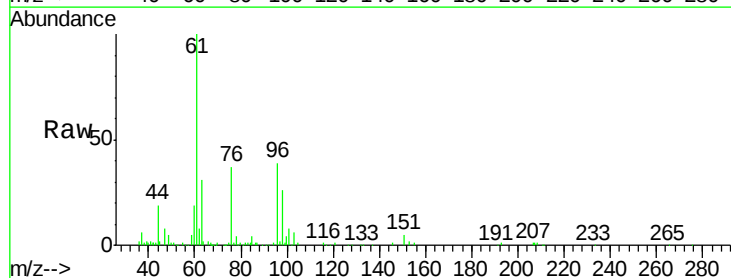
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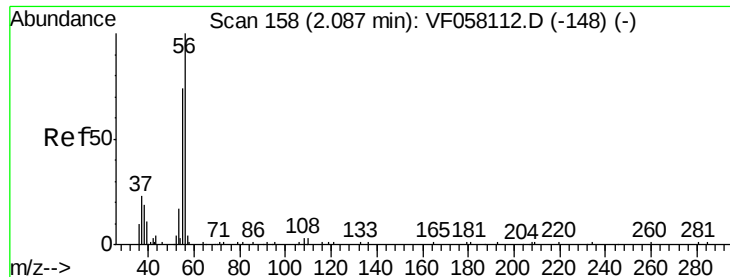
apatel
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#12
1,1-Dichloroethene
Concen: 22.40 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	257.2	203.0	304.4
98	67.8	52.7	79.1





#13

Acrolein

Concen: 62.89 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 56 Resp: 9427

Ion Ratio Lower Upper

56 100

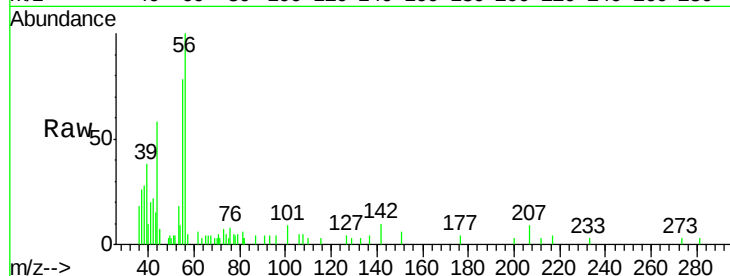
55 78.1 60.0 90.0

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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

4000

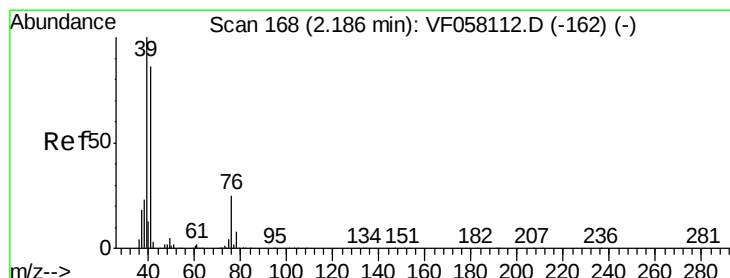
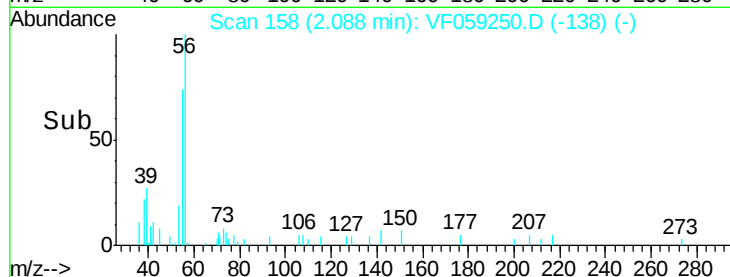
3000

2000

1000

0

Time--> 2.00 2.05 2.10 2.15



#14

Allyl chloride

Concen: 20.72 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

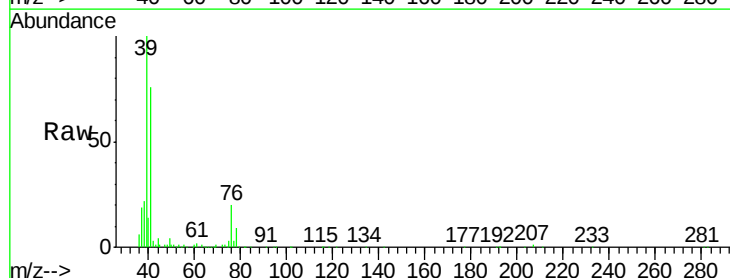
Tgt Ion: 41 Resp: 59718

Ion Ratio Lower Upper

41 100

39 130.8 93.5 140.3

76 26.7 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

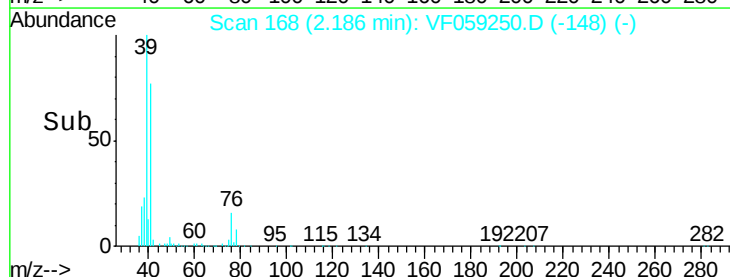
30000

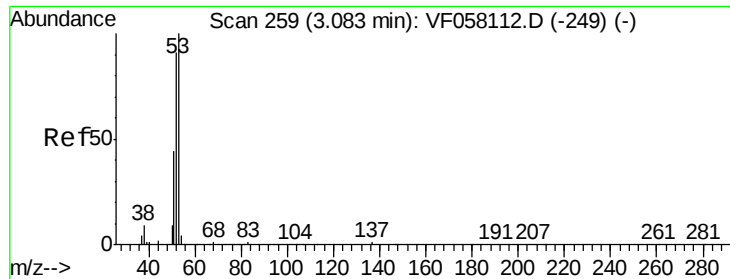
20000

10000

0

Time--> 2.10 2.20 2.30





#15

Acrylonitrile

Concen: 139.22 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

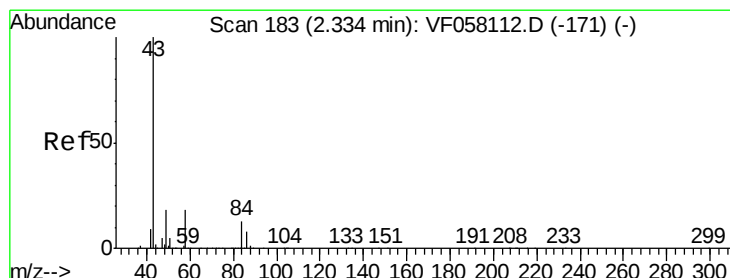
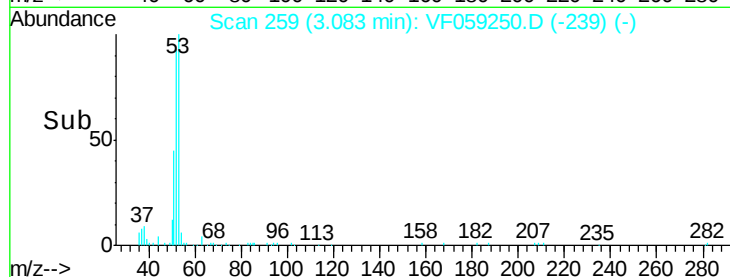
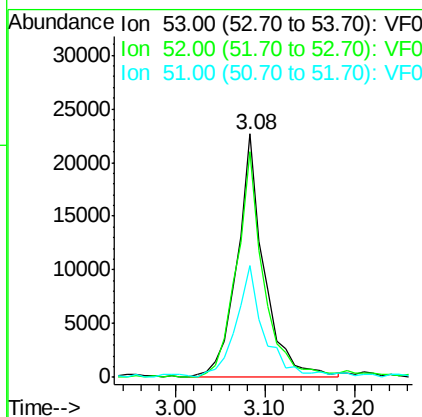
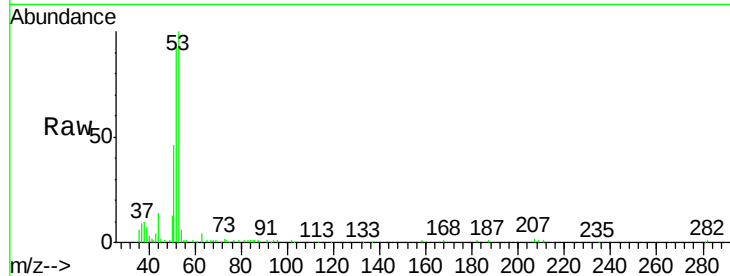
ClientSampleId :

VF0620SBS02

Tot Ion:	53	Resp:	47884
Ion	Ratio	Lower	Upper
53	100		
52	92.9	73.2	109.8
51	45.8	35.6	53.4

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#16

Acetone

Concen: 103.45 ug/l

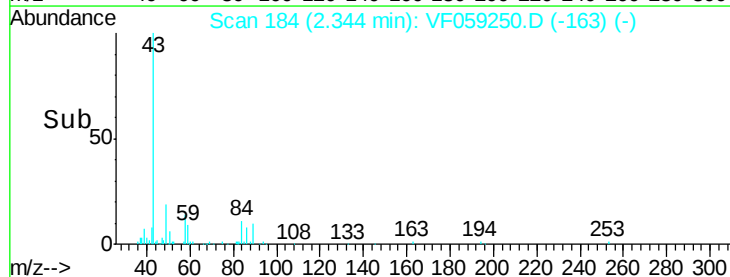
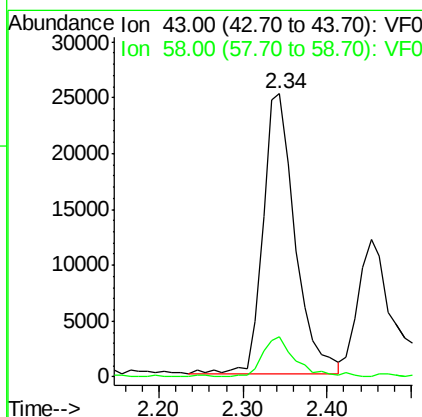
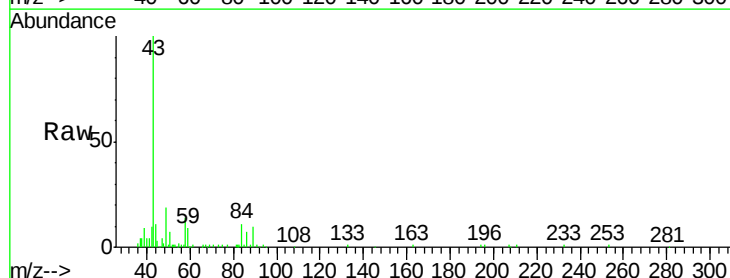
RT: 2.34 min Scan# 184

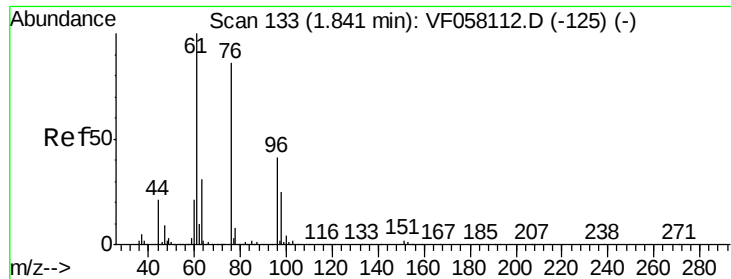
Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	43	Resp:	66757
Ion	Ratio	Lower	Upper
43	100		
58	14.1	14.4	21.6#





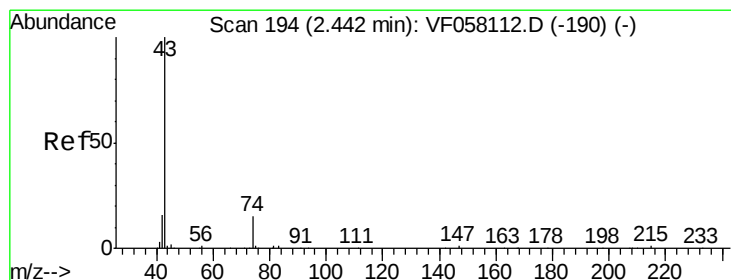
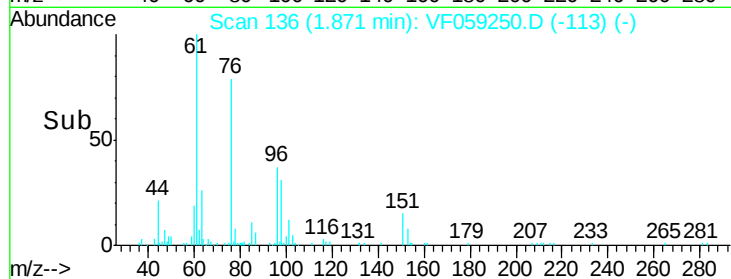
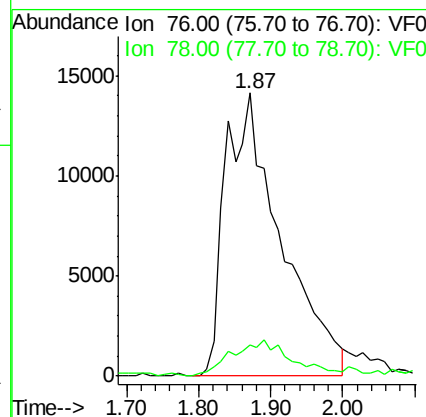
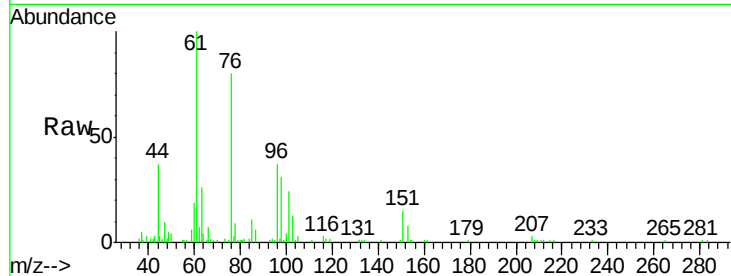
#17
Carbon Disulfide
Concen: 18.28 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.03 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.2	7.8	11.8

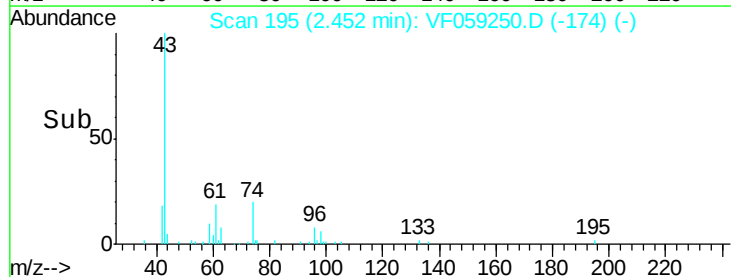
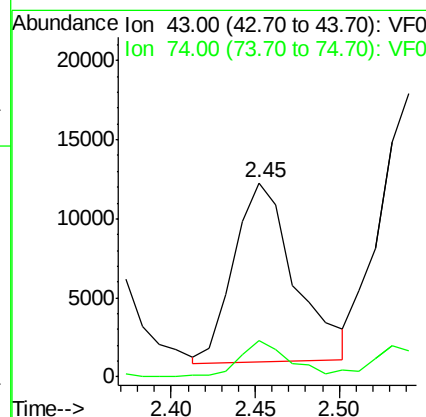
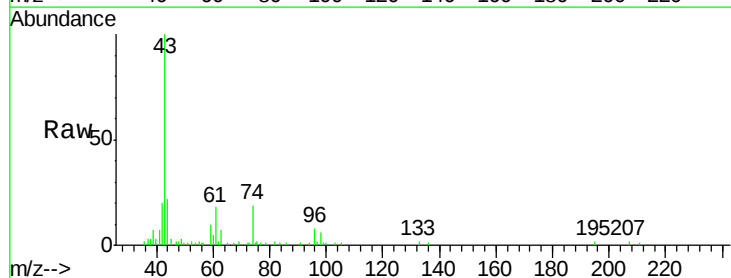
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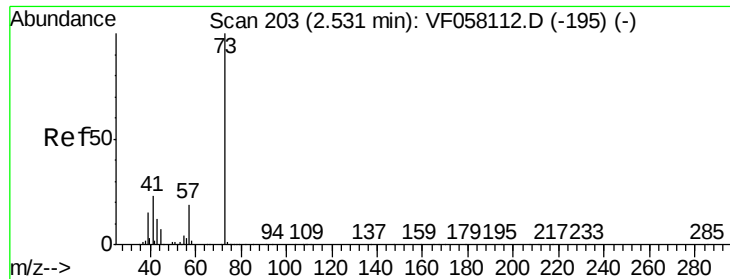
apatel
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#18
Methyl Acetate
Concen: 25.90 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	10.9	16.3#





#19

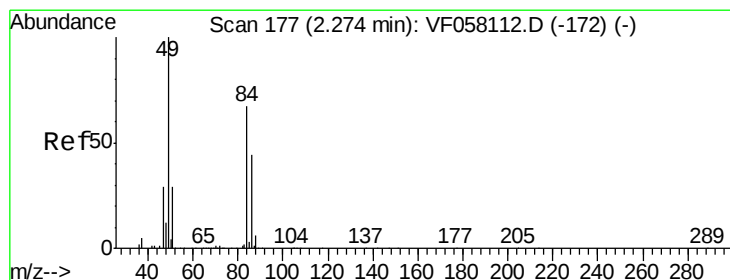
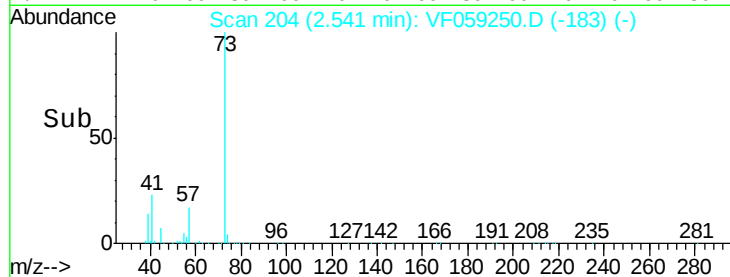
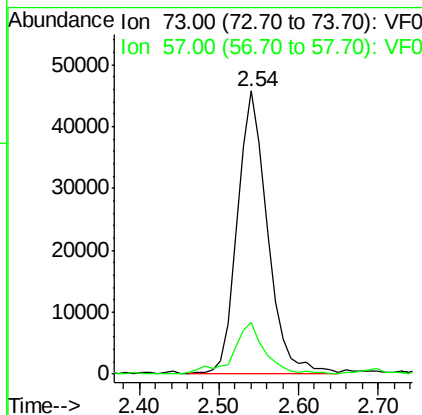
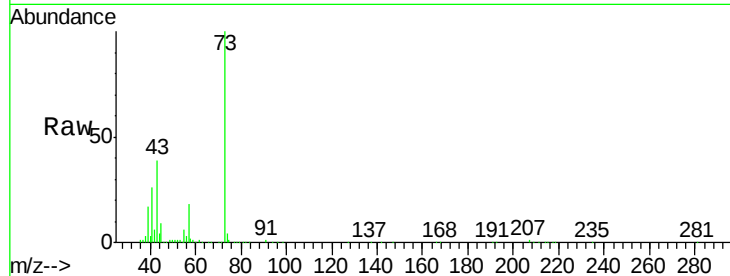
Methyl tert-butyl Ether
Concen: 26.03 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	15.0	22.4

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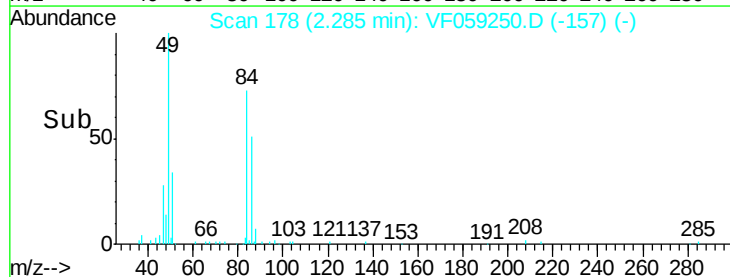
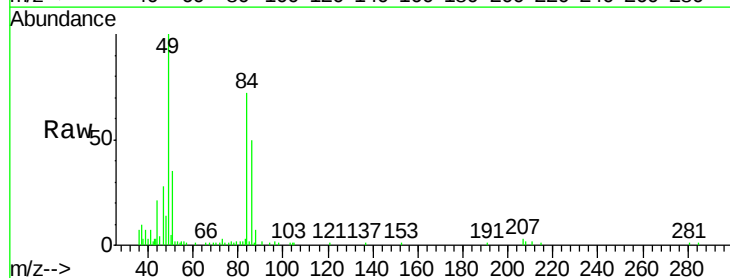
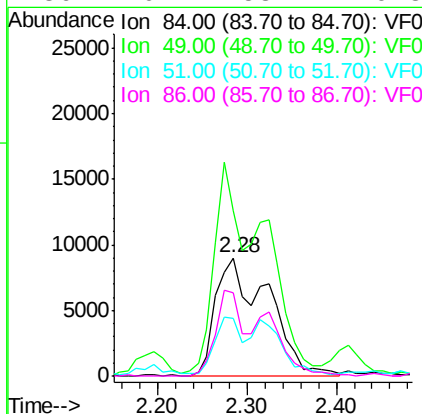
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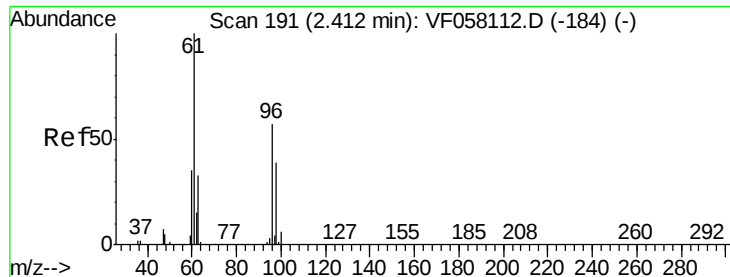


#20

Methylene Chloride
Concen: 23.86 ug/l m
RT: 2.28 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.3	121.0	181.4
51	48.6	35.8	53.6
86	70.2	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 20.28 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

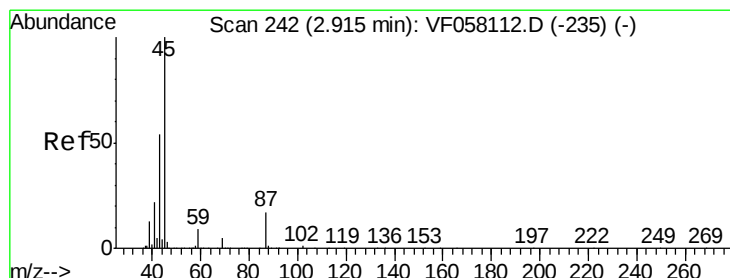
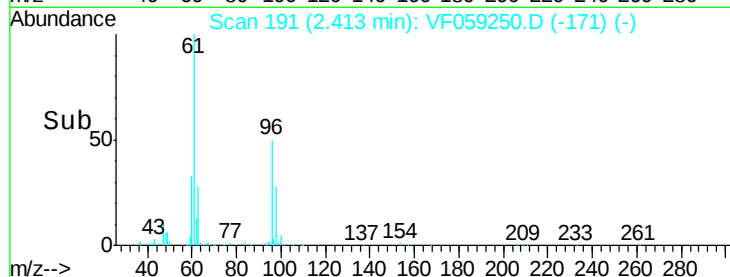
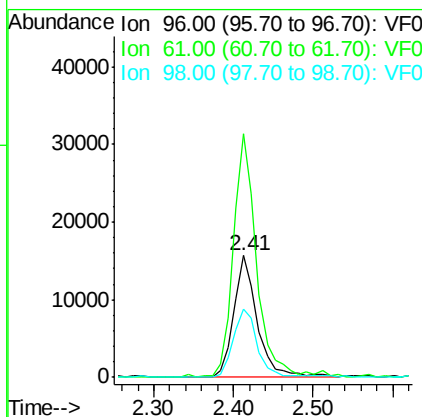
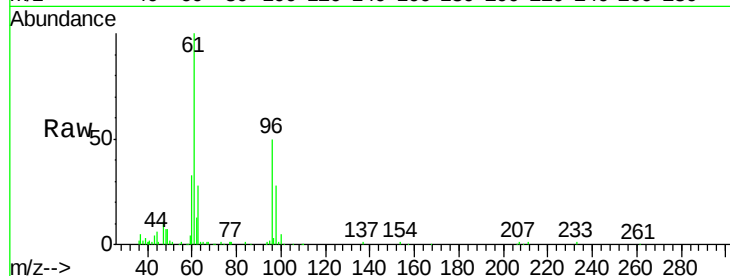
ClientSampleId :

VF0620SBS02

Tot Ion:	96	Resp:	32660
Ion	Ratio	Lower	Upper
96	100		
61	199.8	139.4	209.2
98	55.6	54.0	81.0

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#22

Diisopropyl ether

Concen: 23.04 ug/l

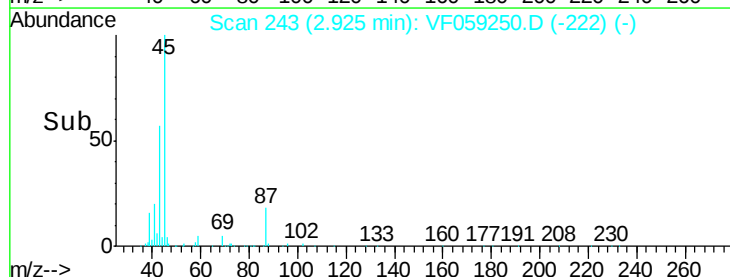
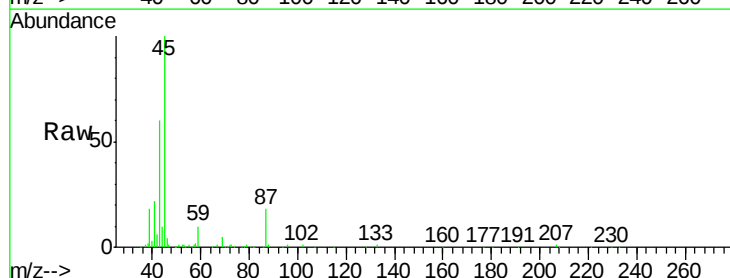
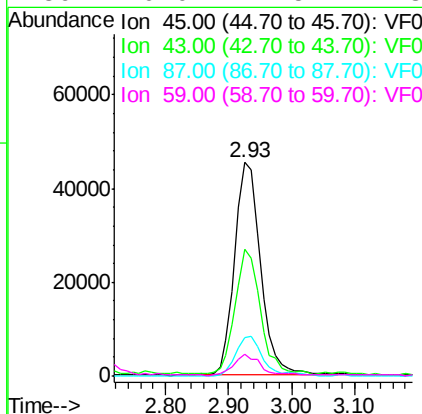
RT: 2.93 min Scan# 243

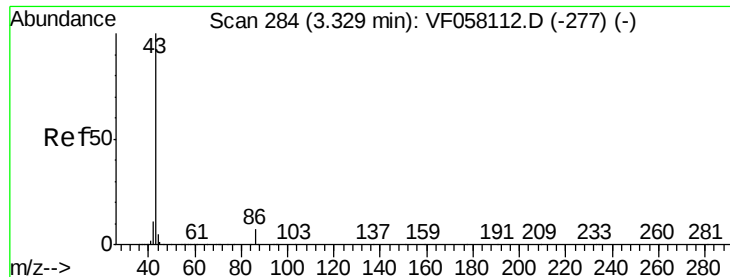
Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	45	Resp:	130550
Ion	Ratio	Lower	Upper
45	100		
43	59.5	43.2	64.8
87	17.7	13.8	20.6
59	10.0	7.5	11.3





#23

Vinyl Acetate

Concen: 118.11 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF059250.D

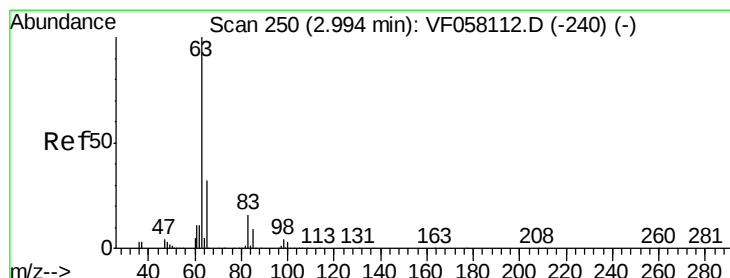
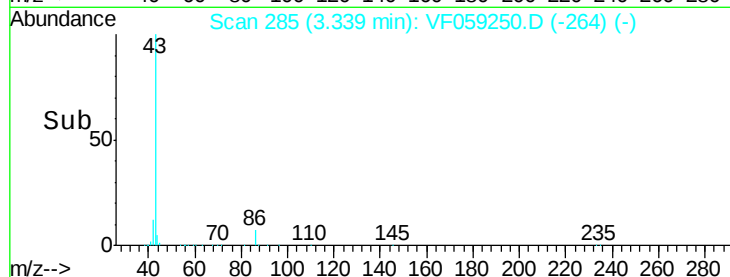
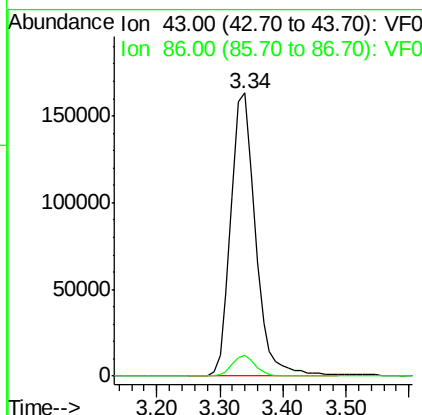
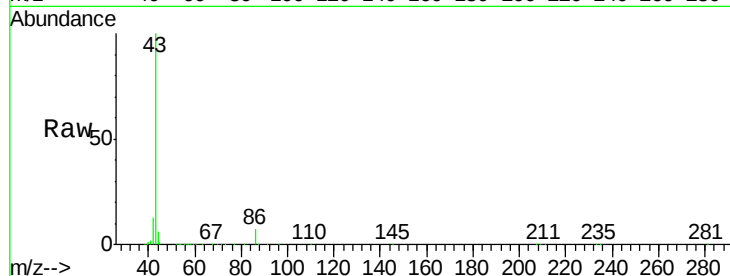
Acq: 21 Jun 2018 4:24

Tot Ion	43	Resp	441204
Ion Ratio	100	Lower	Upper
43	100		
86	7.2	6.0	9.0

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

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#24

1,1-Dichloroethane

Concen: 25.02 ug/l

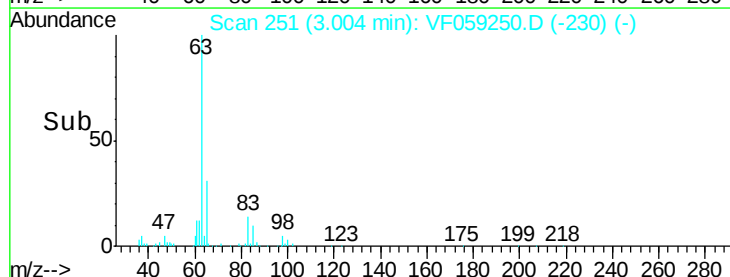
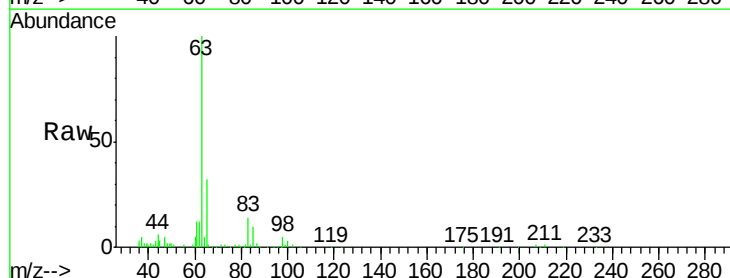
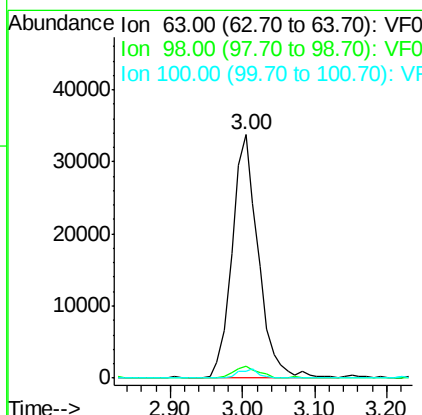
RT: 3.00 min Scan# 251

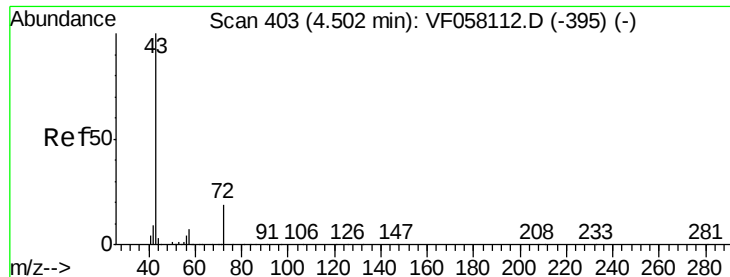
Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion	63	Resp	85948
Ion Ratio	100	Lower	Upper
63	100		
98	4.7	2.0	6.0
100	2.8	1.4	4.0





#25

2-Butanone

Concen: 96.74 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 43 Resp: 96781

Ion Ratio Lower Upper

43 100

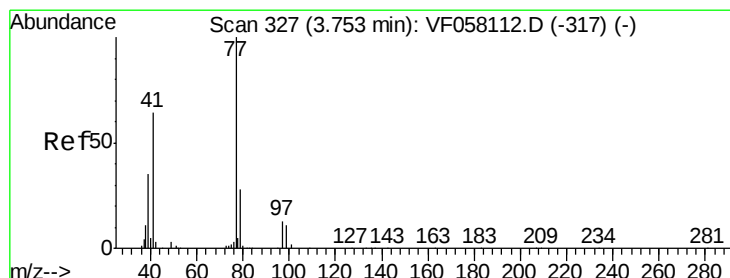
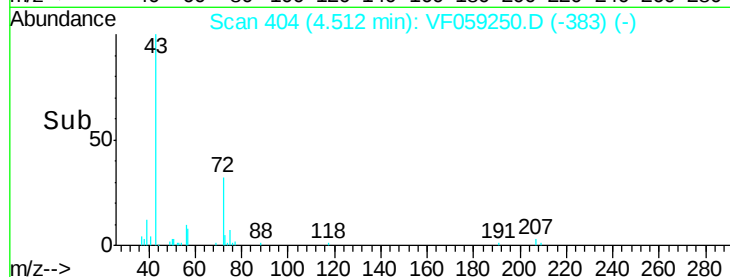
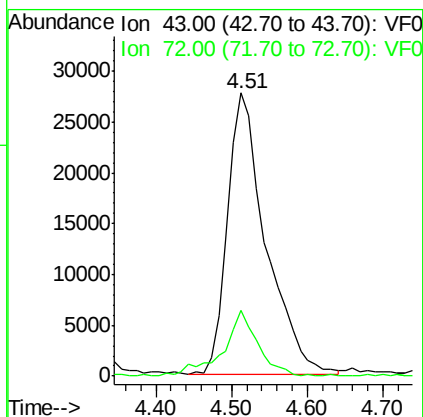
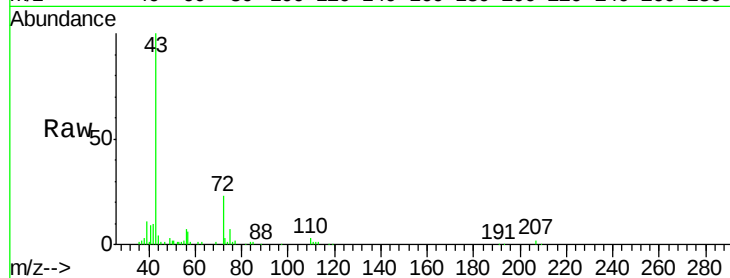
72 23.4 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 20.47 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059250.D

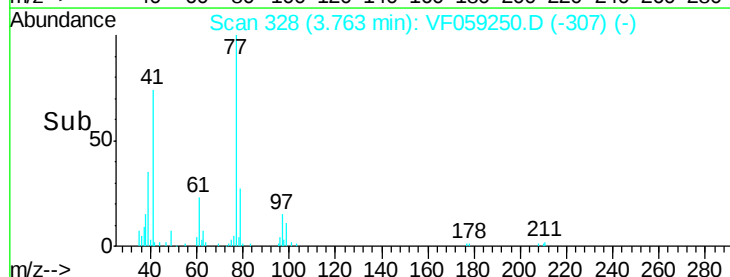
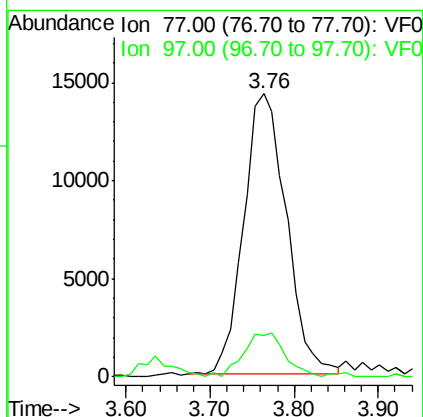
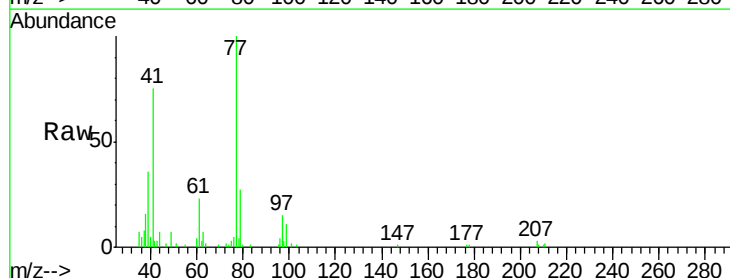
Acq: 21 Jun 2018 4:24

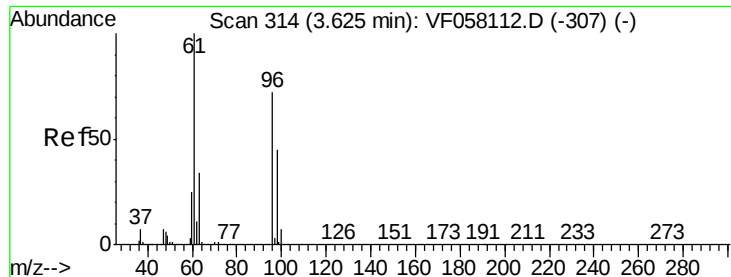
Tgt Ion: 77 Resp: 51001

Ion Ratio Lower Upper

77 100

97 14.8 7.2 21.6





#27

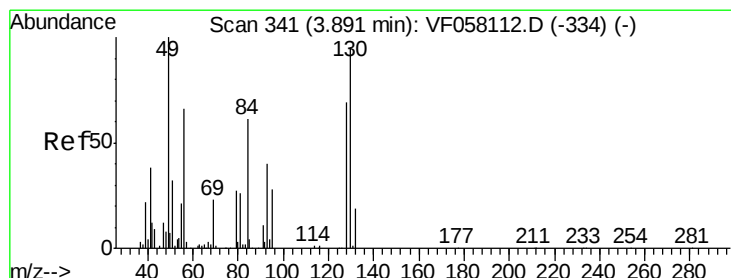
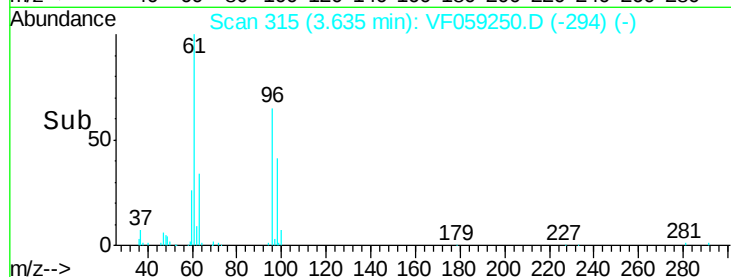
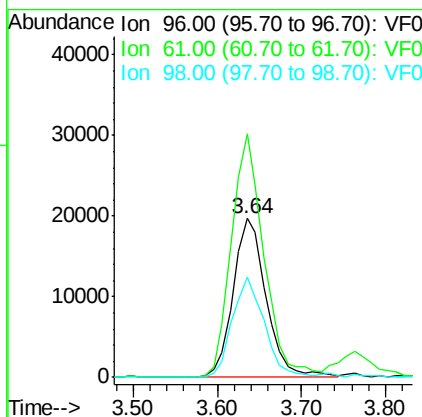
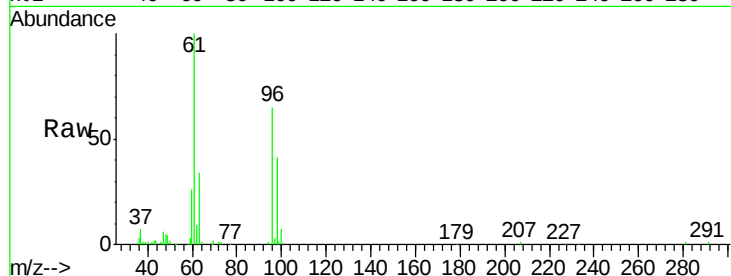
cis-1,2-Dichloroethene
Concen: 21.76 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	278.6
98	62.7	0.0	125.2

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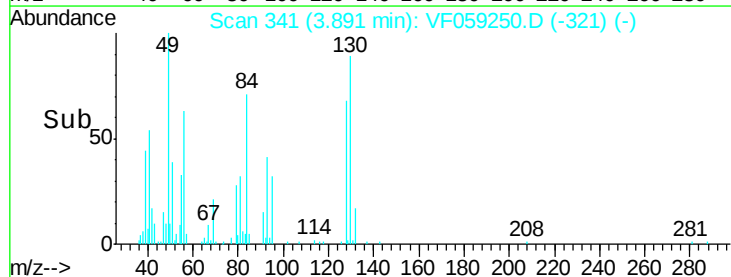
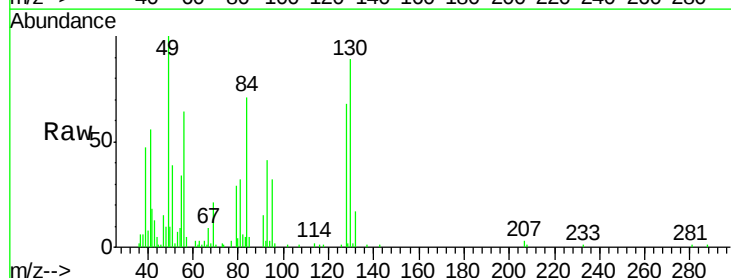
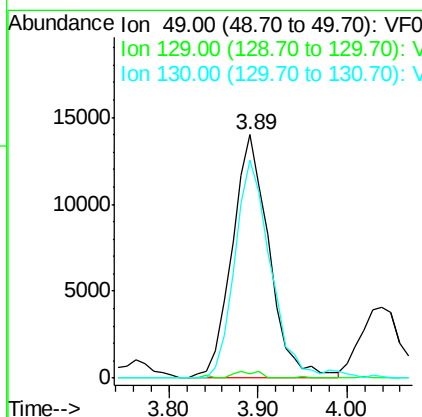
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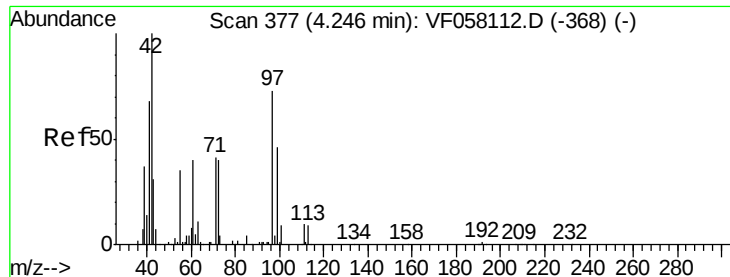


#28

Bromochloromethane
Concen: 26.23 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	89.3	75.8	113.8





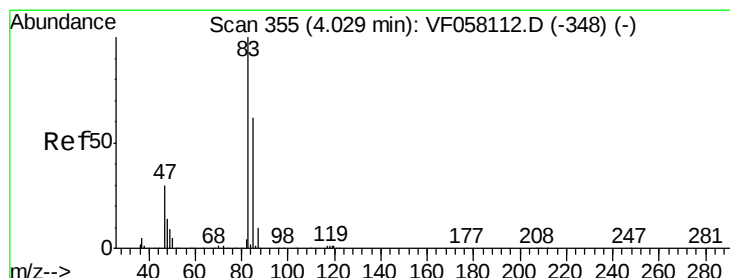
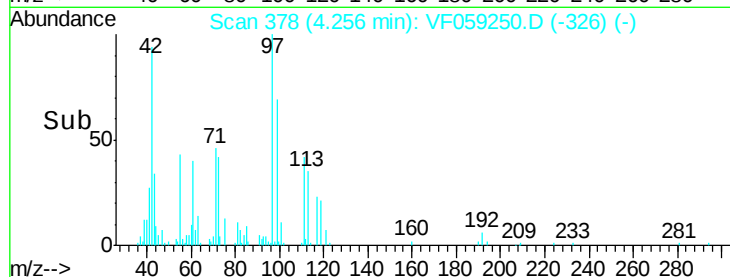
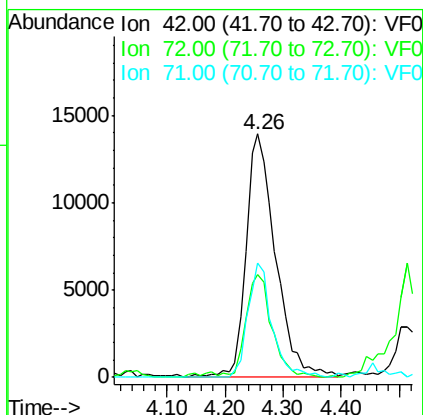
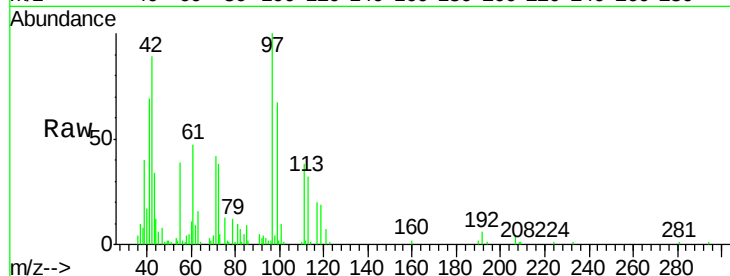
#29
Tetrahydrofuran
Concen: 112.53 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.5	45.7
71	38.1	31.5	47.3

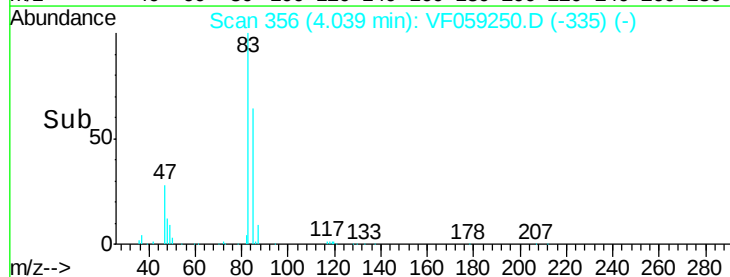
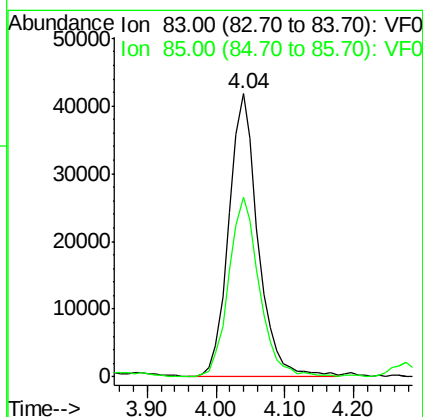
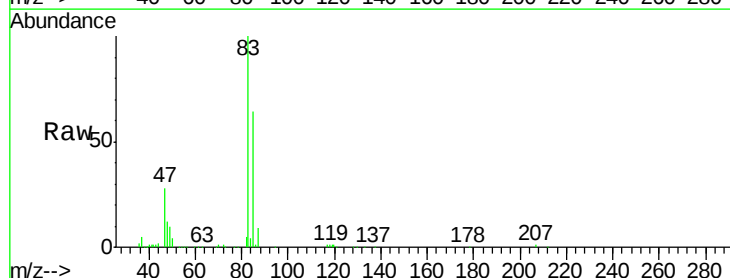
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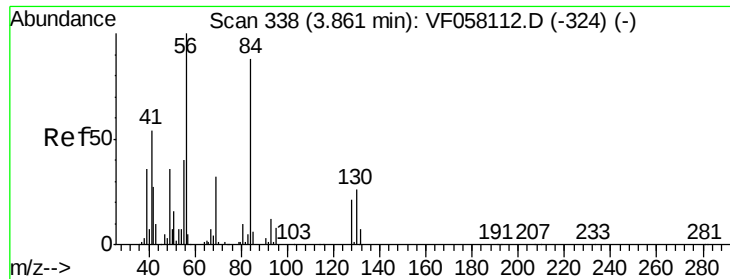
apatel
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#30
Chloroform
Concen: 25.05 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.5	74.3





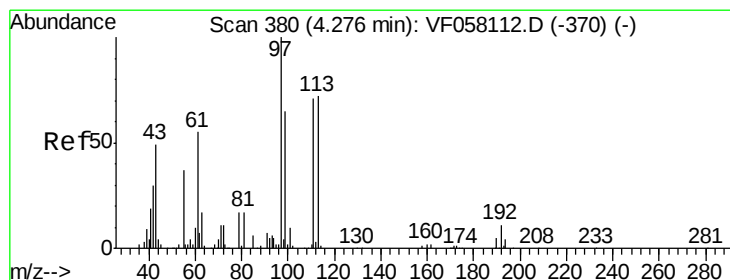
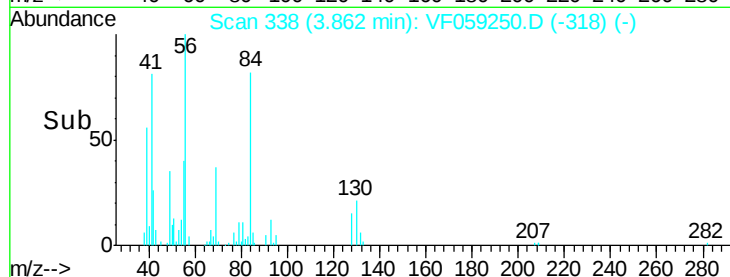
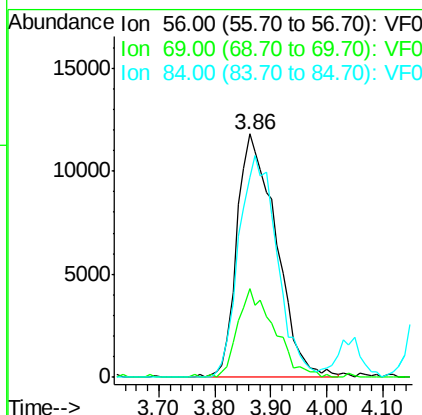
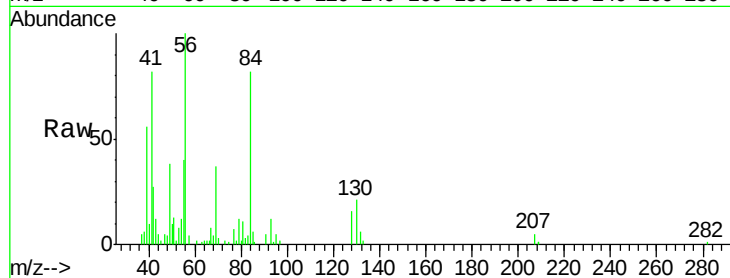
#31
Cyclohexane
Concen: 19.10 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.9	38.9
84	82.3	70.3	105.5

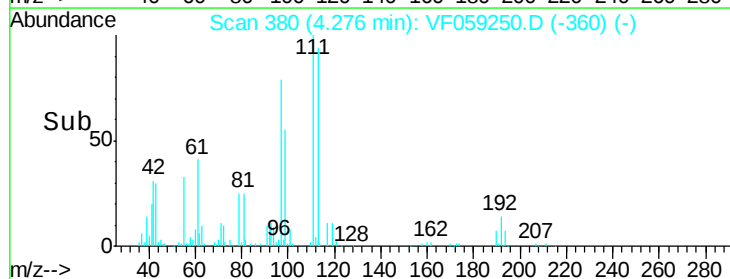
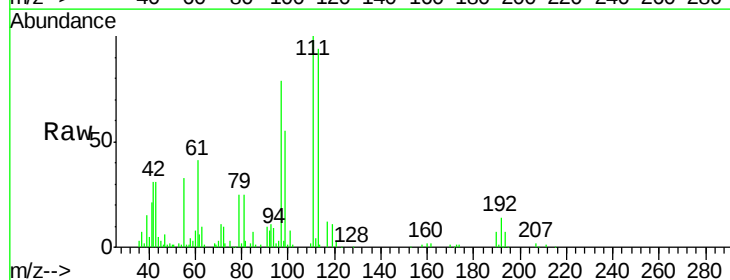
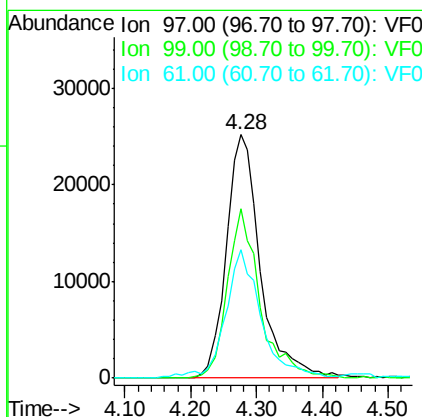
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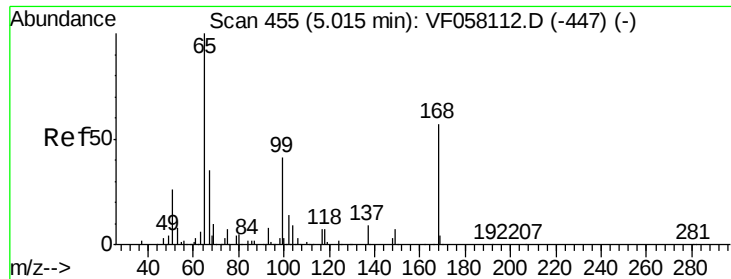
apatel
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#32
1,1,1-Trichloroethane
Concen: 24.89 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.5	52.0	78.0
61	52.6	44.3	66.5





#33

1,2-Dichloroethane-d4

Concen: 65.34 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059250.D

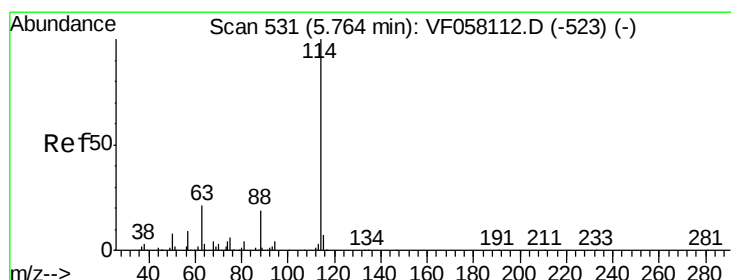
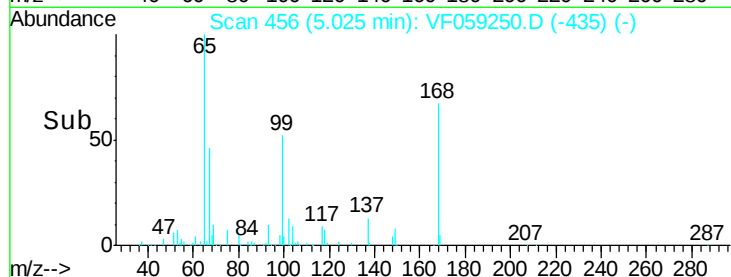
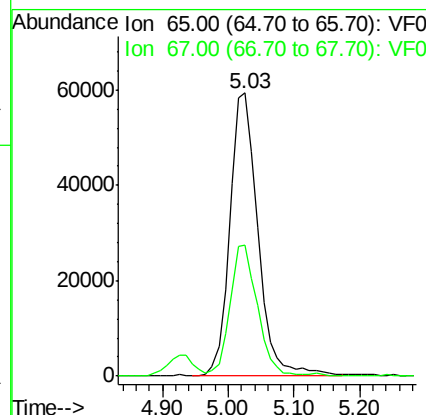
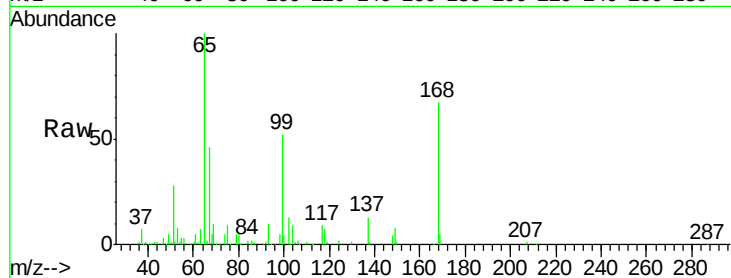
Acq: 21 Jun 2018 4:24

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176605		
67	46.1	0.0	97.0	

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

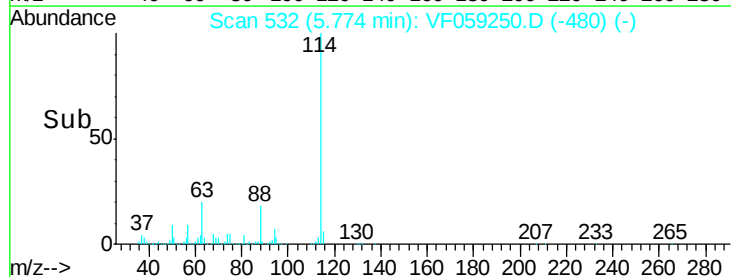
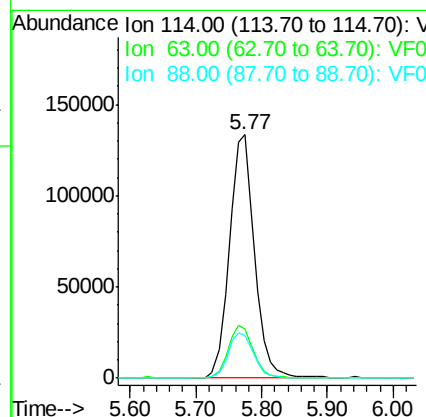
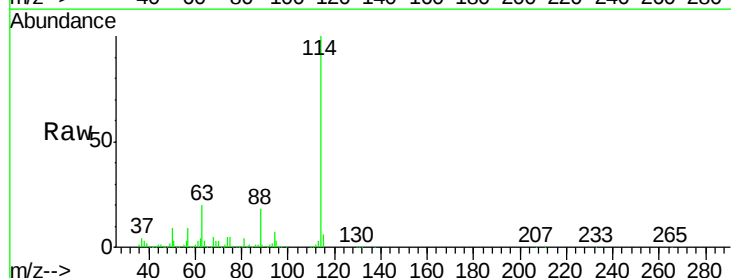
RT: 5.77 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	357019		
63	20.0	0.0	41.6	
88	17.7	0.0	38.8	





#35

Dibromofluoromethane

Concen: 62.79 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

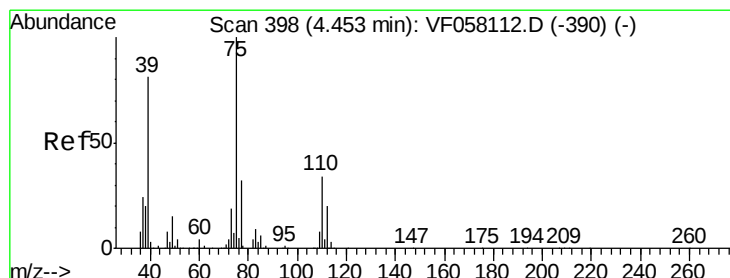
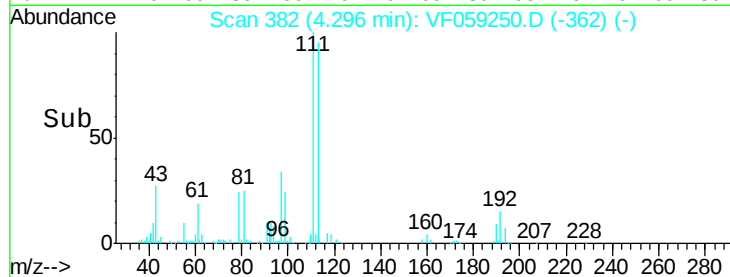
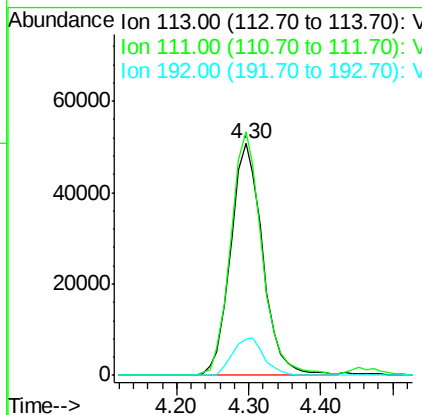
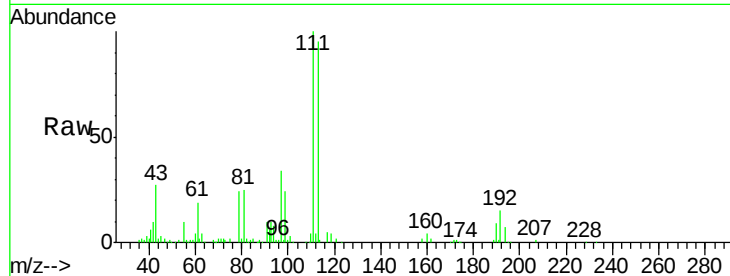
ClientSampleId :

VF0620SBS02

Tot Ion:	113	Resp:	157292
Ion Ratio	Lower	Upper	
113	100		
111	105.2	81.3	121.9
192	15.4	12.7	19.1

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#36

1,1-Dichloropropene

Concen: 21.41 ug/l

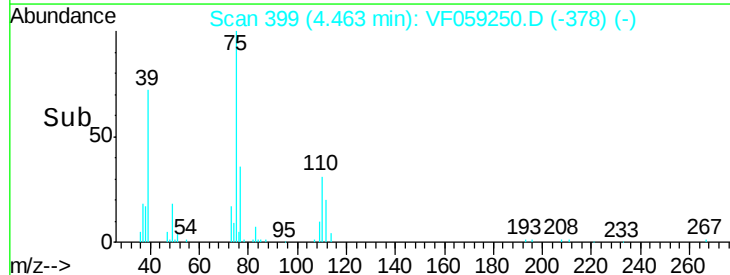
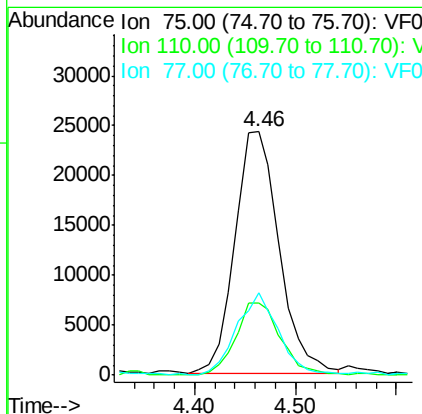
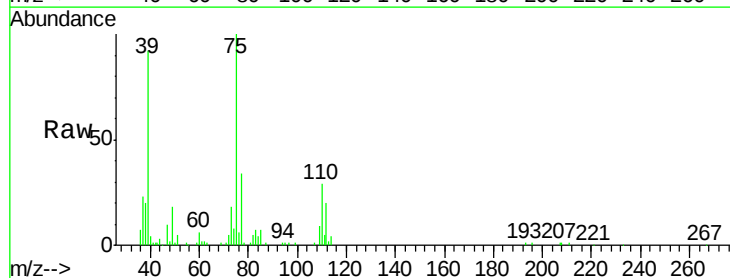
RT: 4.46 min Scan# 399

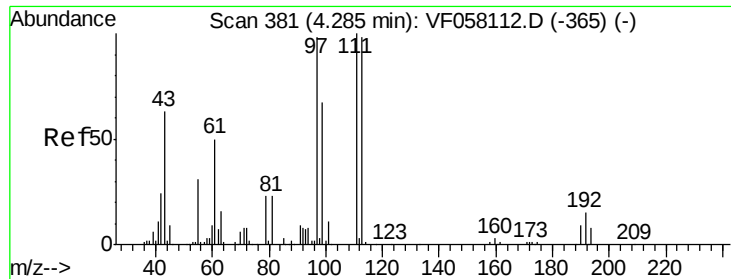
Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	75	Resp:	74089
Ion Ratio	Lower	Upper	
75	100		
110	29.4	17.0	50.9
77	33.7	25.3	37.9





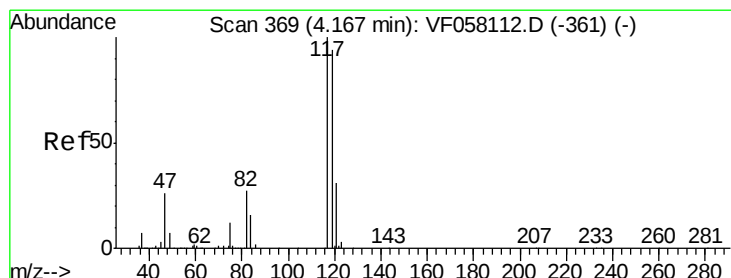
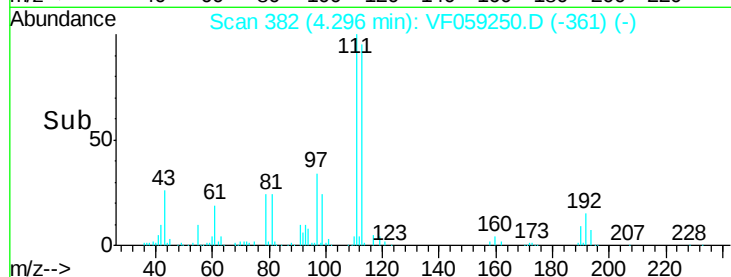
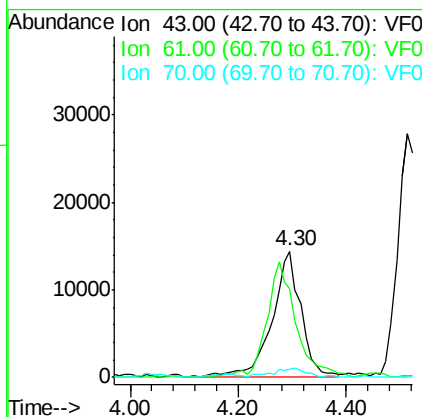
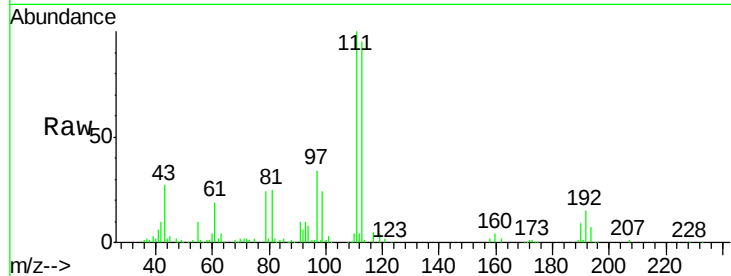
#37
Ethyl Acetate
Concen: 25.29 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	70.3	63.0	94.4			
70	6.8	7.5	11.3			

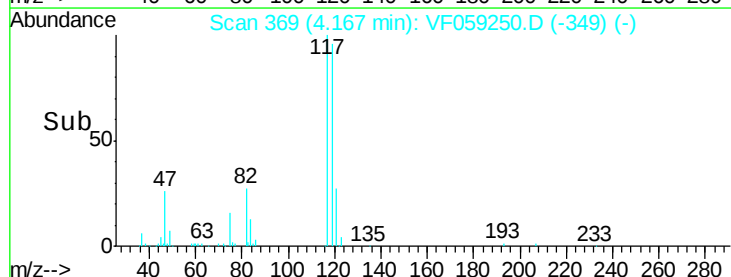
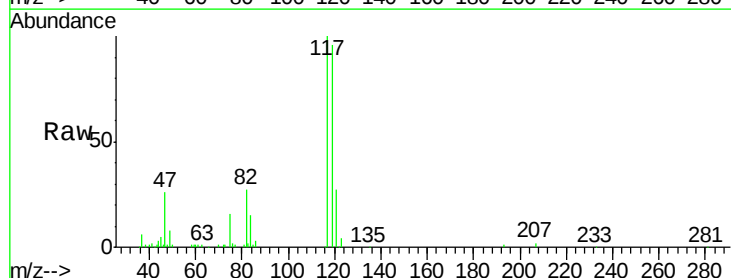
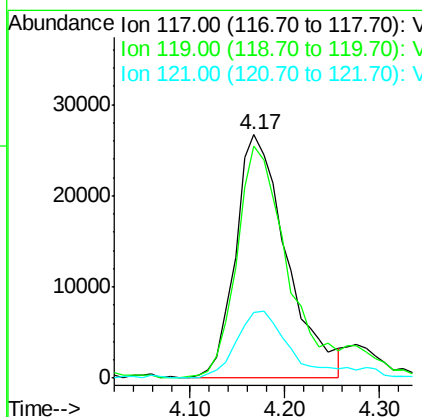
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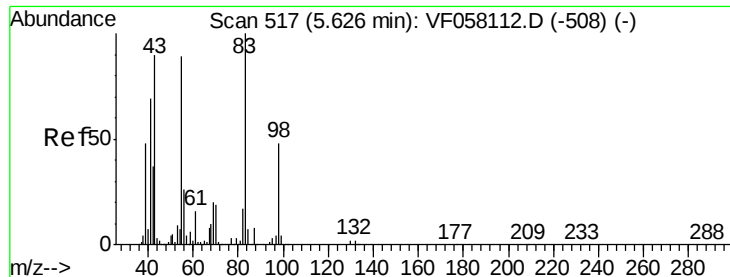
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#38
Carbon Tetrachloride
Concen: 26.84 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	95.6	75.7	113.5			
121	27.2	24.8	37.2			





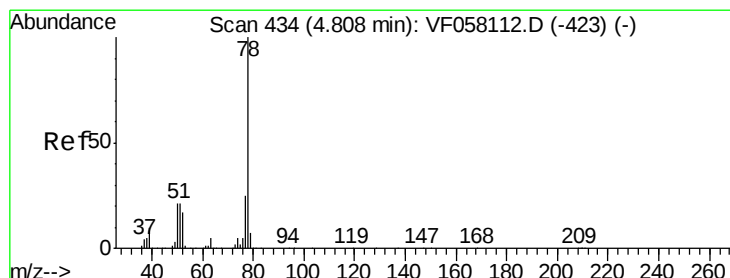
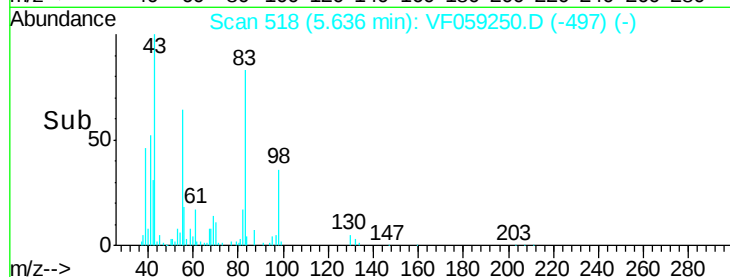
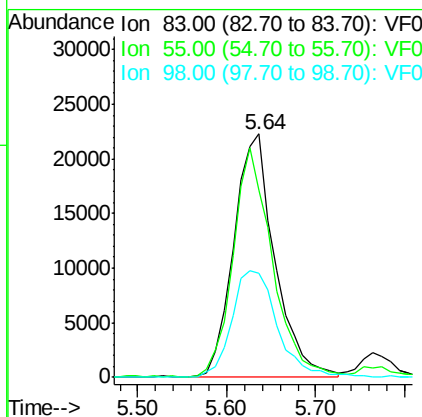
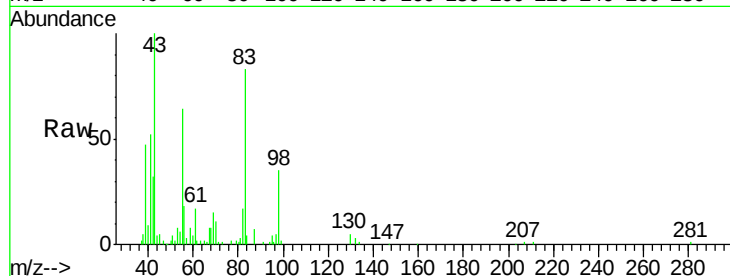
#39
Methvlcvclohexane
Concen: 20.30 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	71.0	106.4
98	42.6	38.1	57.1

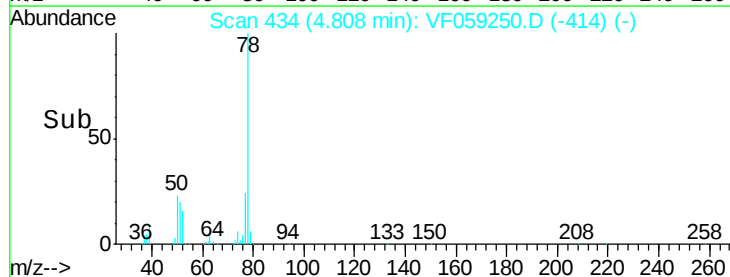
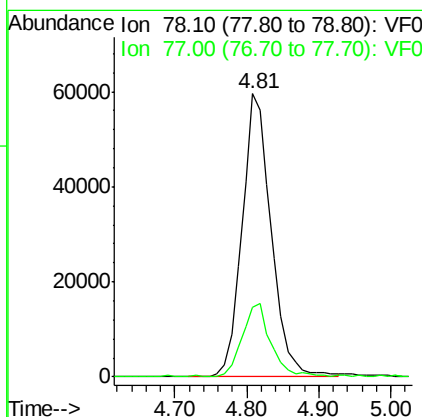
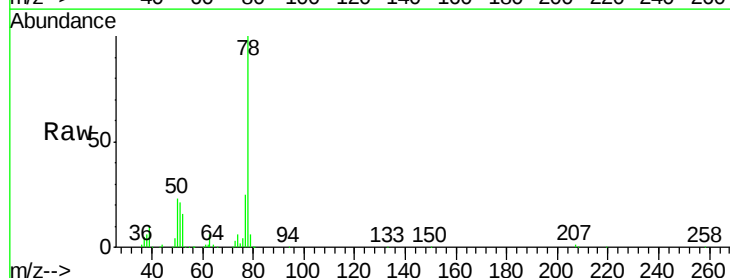
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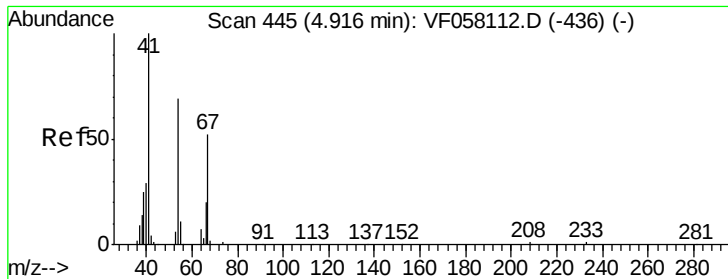
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#40
Benzene
Concen: 20.95 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	20.2	30.2





#41

Methacrylonitrile

Concen: 24.36 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

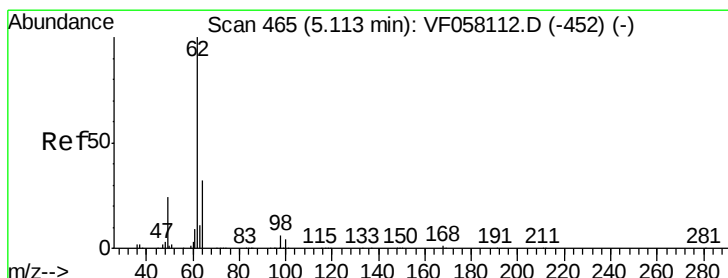
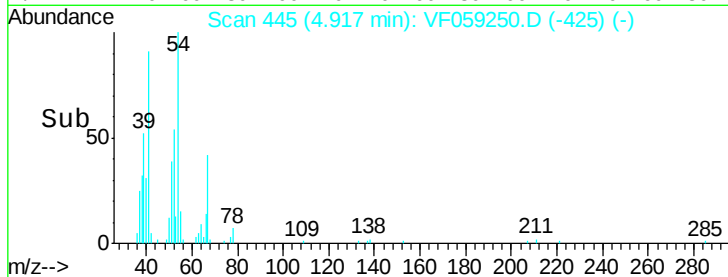
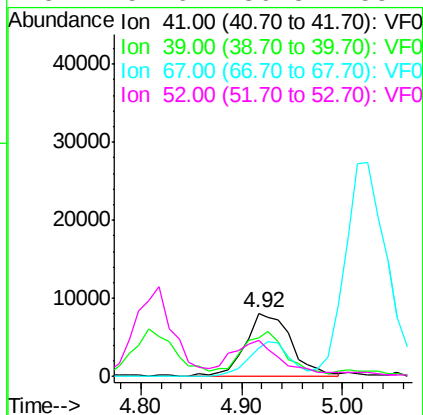
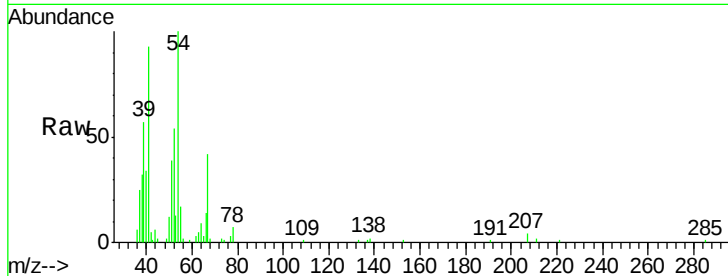
ClientSampleId :

VF0620SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.5	53.0	79.4
67	44.5	41.0	61.6
52	57.6	36.8	55.2#

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#42

1,2-Dichloroethane

Concen: 28.70 ug/l

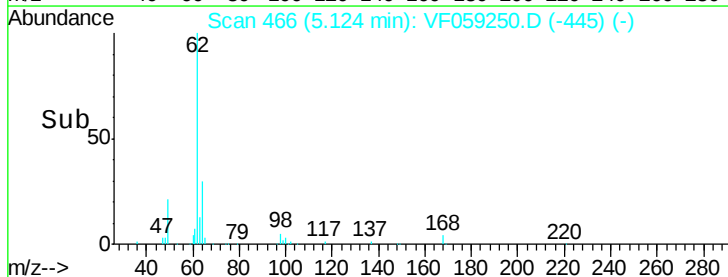
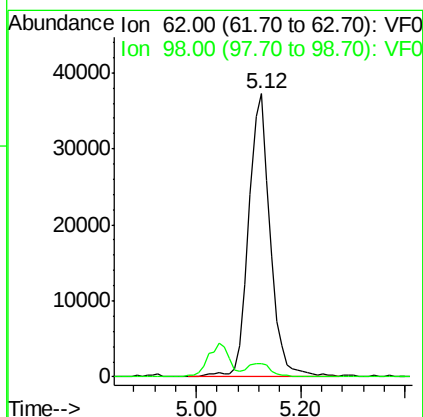
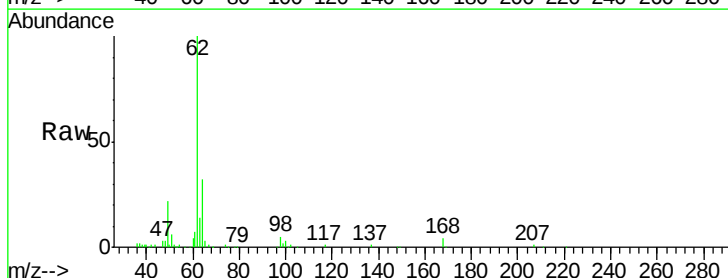
RT: 5.12 min Scan# 466

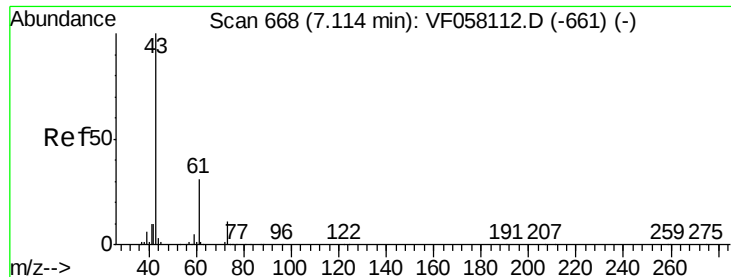
Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	11.8





#43

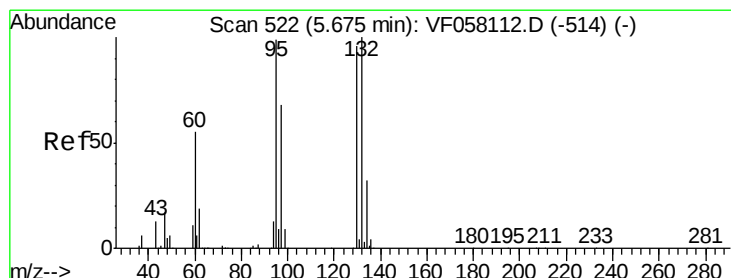
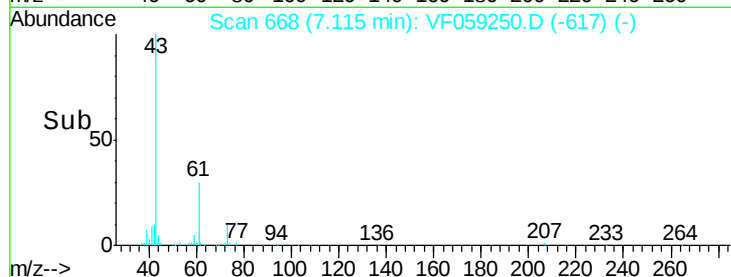
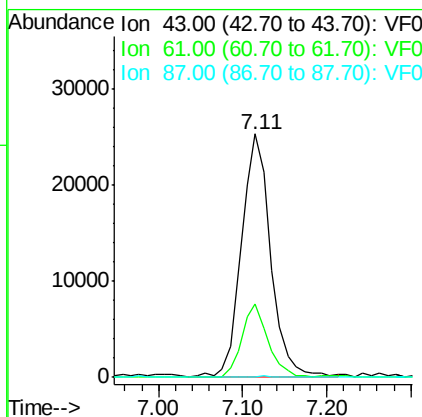
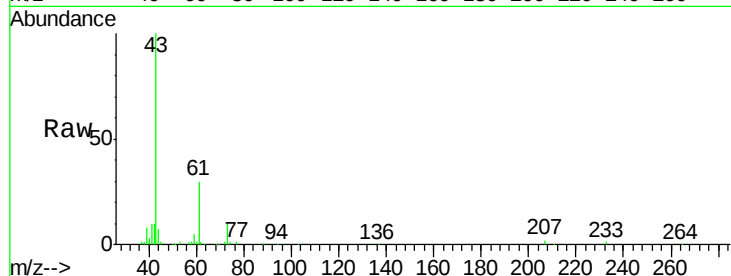
Isopropyl Acetate
 Concen: 21.14 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	25.1	37.7
87	0.0	0.2	0.4

Manual Integrations
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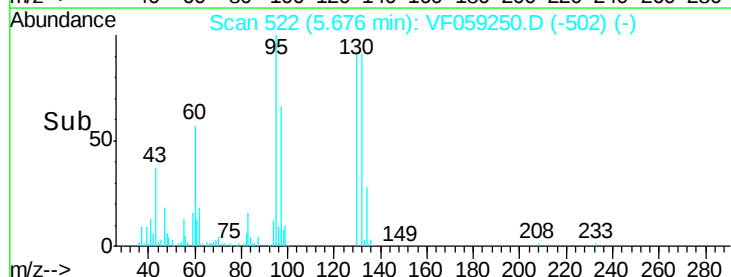
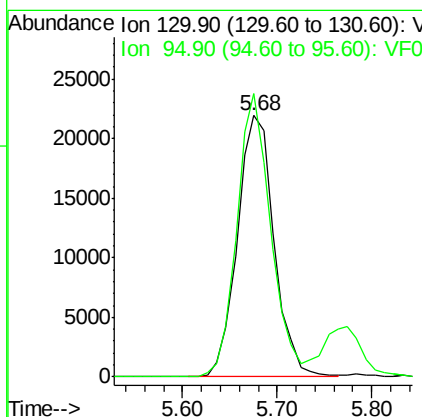
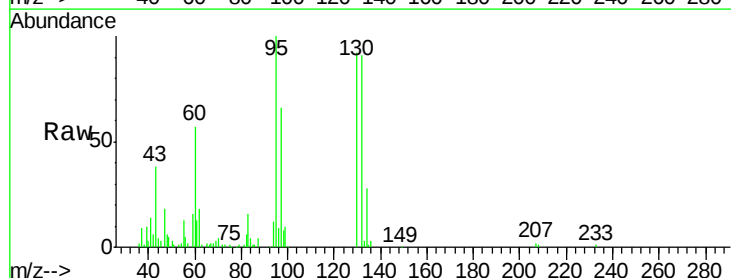
apatel
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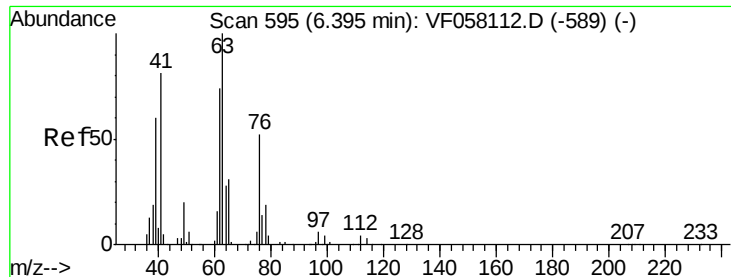


#44

Trichloroethene
 Concen: 23.45 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	206.8





#45

1,2-Dichloropropane

Concen: 21.02 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 63 Resp: 48681

Ion Ratio Lower Upper

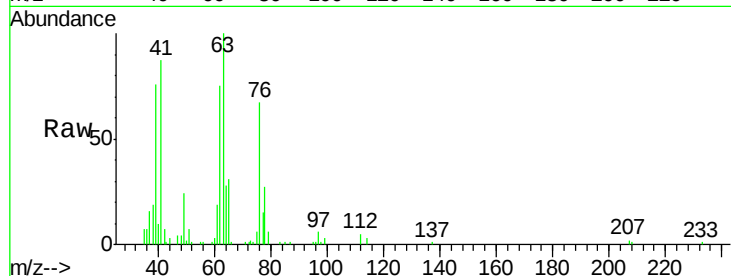
63 100

65 32.0 24.6 37.0

Manual Integrations
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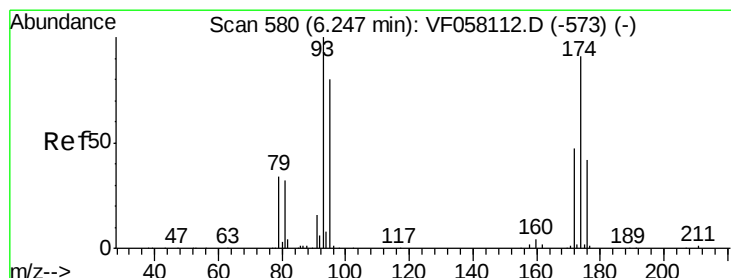
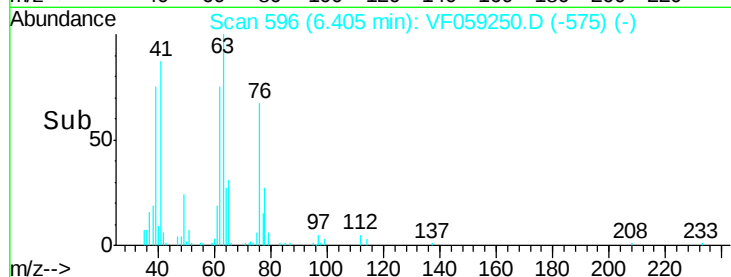
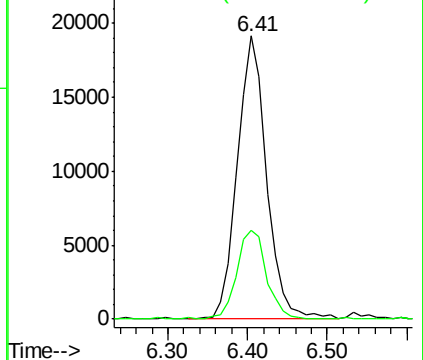
apatel

6/21/2018 9:46:40 AM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 23.96 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

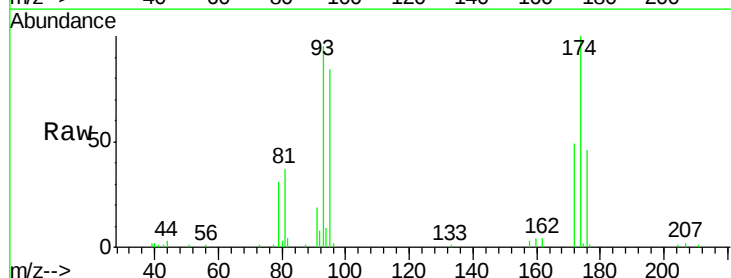
Tgt Ion: 93 Resp: 41749

Ion Ratio Lower Upper

93 100

95 88.3 64.2 96.4

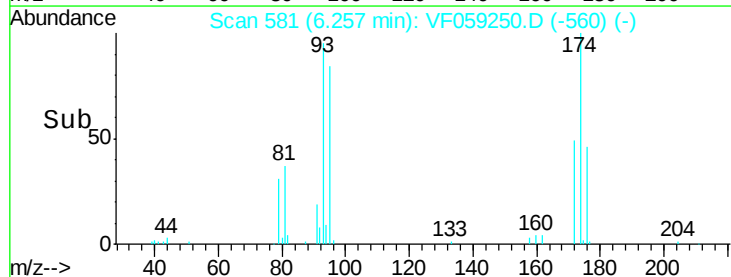
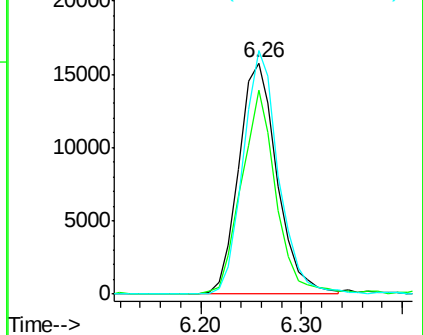
174 105.3 72.7 109.1

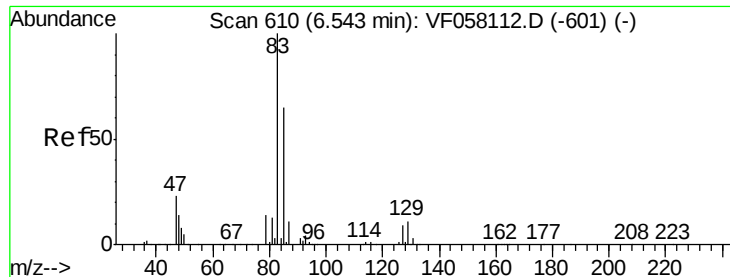


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 24.46 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

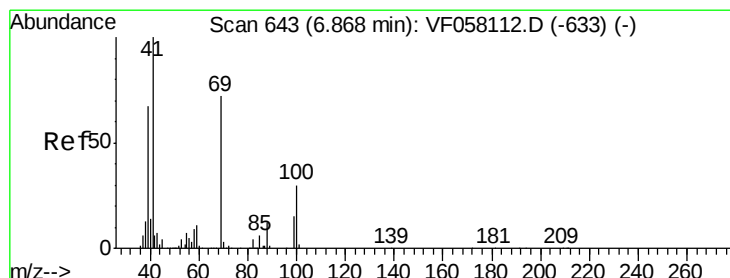
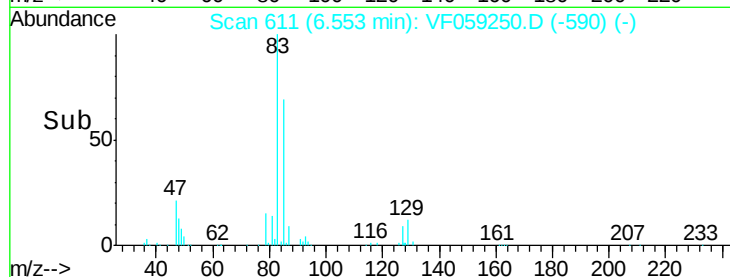
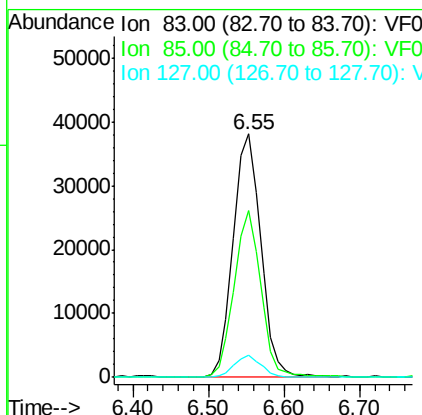
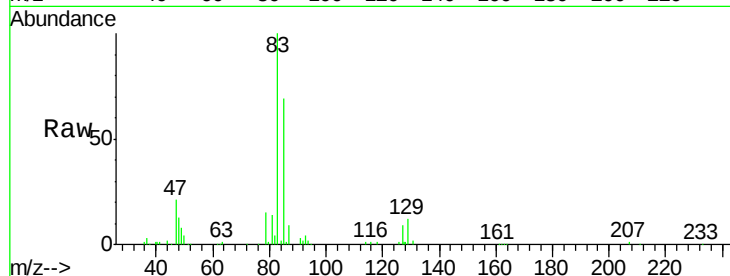
ClientSampleId :

VF0620SBS02

Tot Ion:	83	Resp:	96945
Ion	Ratio	Lower	Upper
83	100		
85	68.8	51.6	77.4
127	10.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.70 ug/l

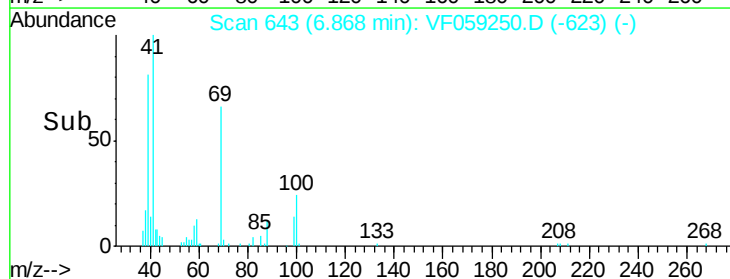
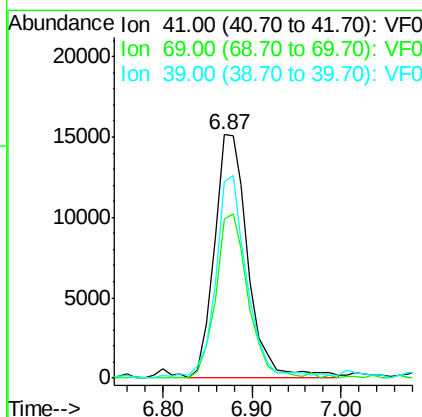
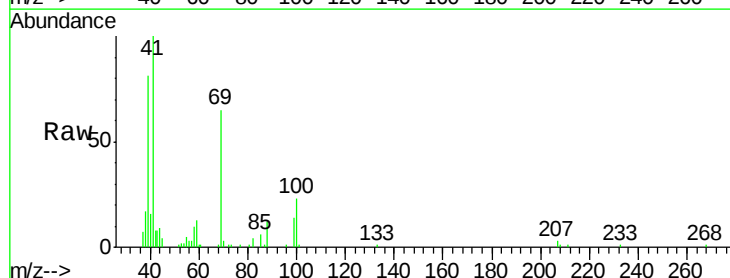
RT: 6.87 min Scan# 643

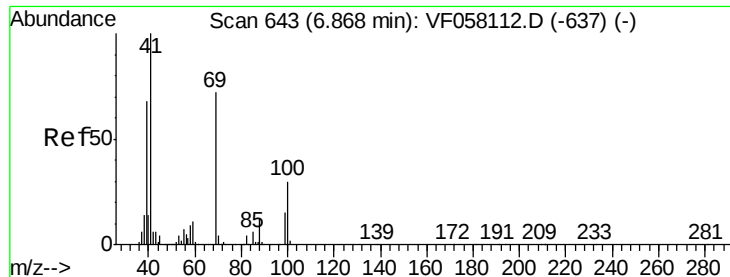
Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	41	Resp:	40078
Ion	Ratio	Lower	Upper
41	100		
69	65.4	57.2	85.8
39	80.6	54.3	81.5





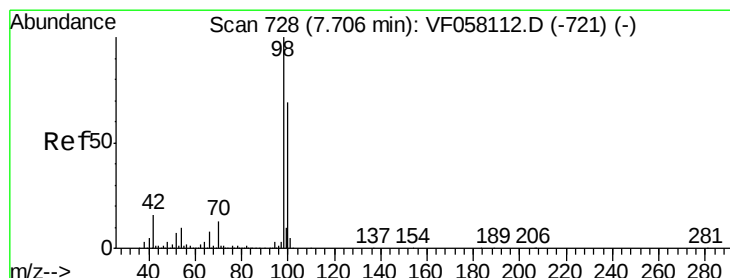
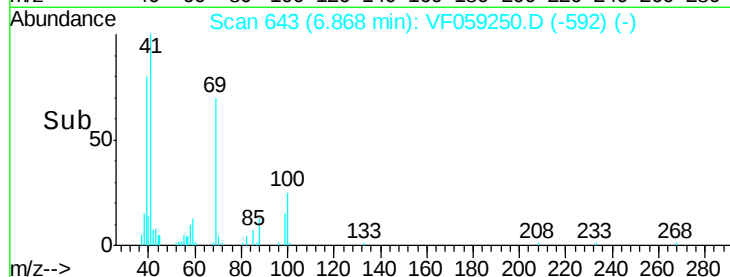
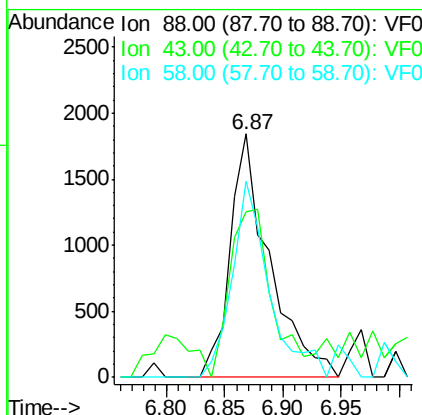
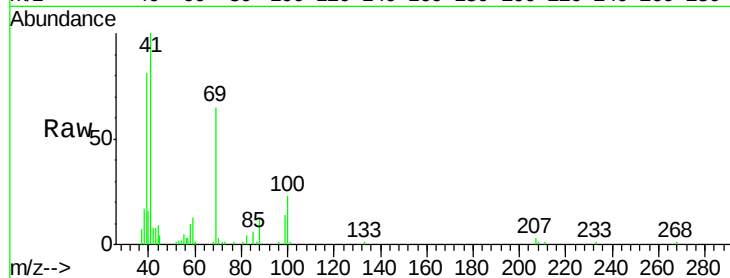
#49
1,4-Dioxane
Concen: 320.27 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	68.0	47.8	71.8
58	80.7	59.4	89.0

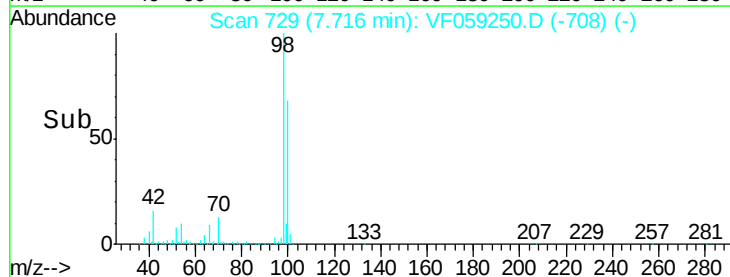
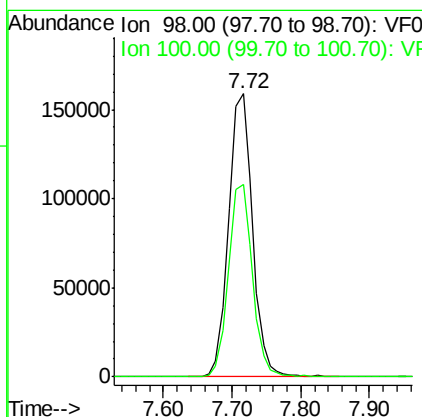
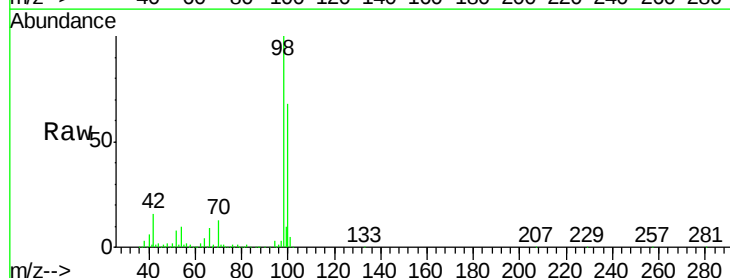
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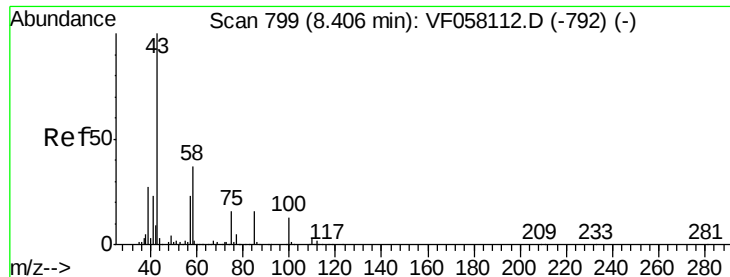
apatel
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#50
Toluene-d8
Concen: 52.02 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.9	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 120.75 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tot Ion: 43 Resp: 236995

Ion Ratio Lower Upper

43 100

58 35.9 29.4 44.0

Instrument :

MSVOA_F

ClientSampleId :

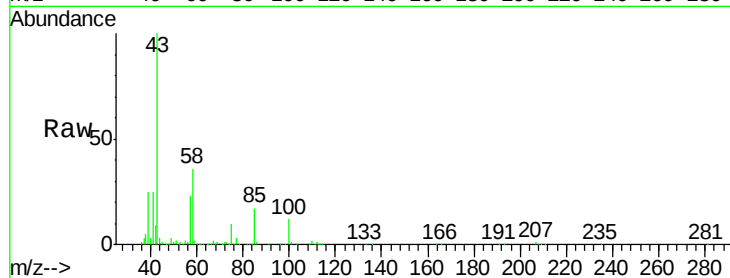
VF0620SBS02

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

120000

100000

80000

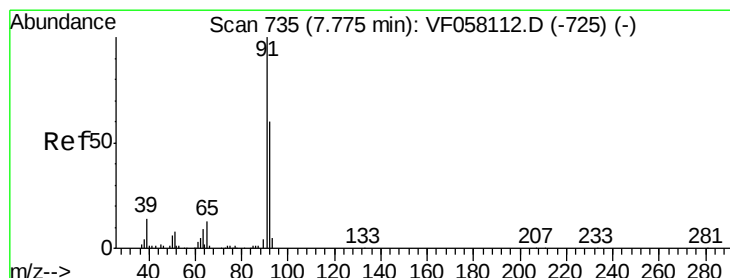
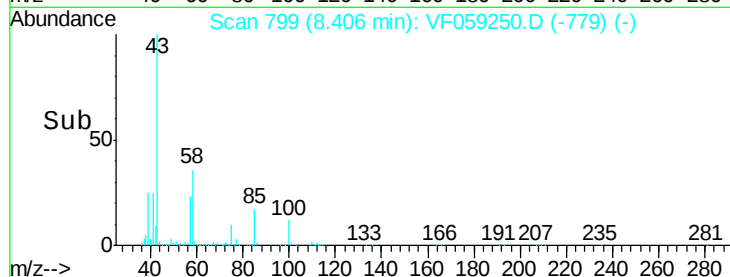
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.64 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059250.D

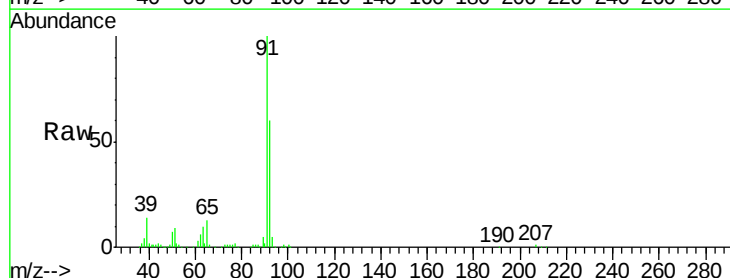
Acq: 21 Jun 2018 4:24

Tgt Ion: 92 Resp: 119440

Ion Ratio Lower Upper

92 100

91 165.4 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

100000

80000

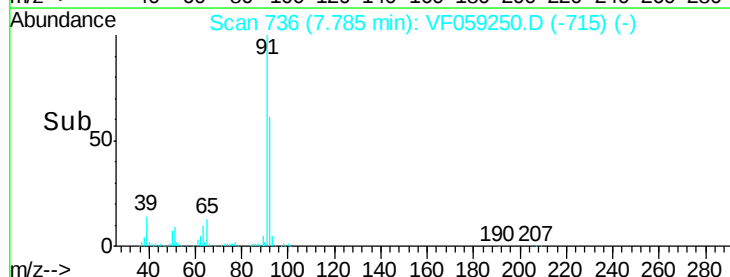
60000

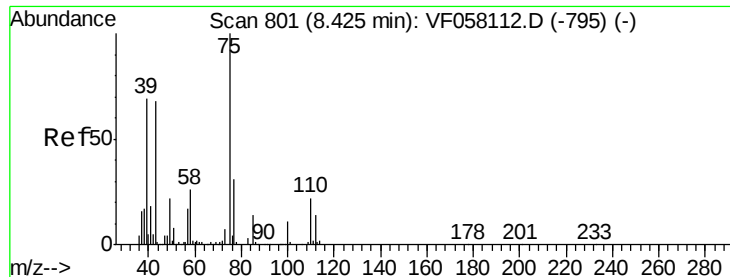
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.09 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tot Ion: 75 Resp: 88658

Ion Ratio Lower Upper

75 100

77 36.0 25.1 37.7

Instrument :

MSVOA_F

ClientSampleId :

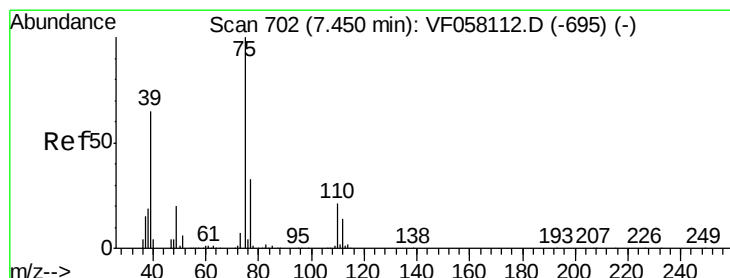
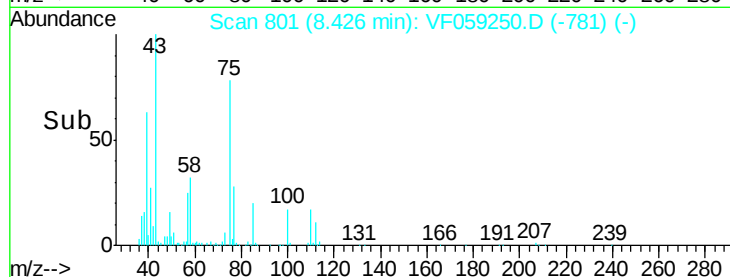
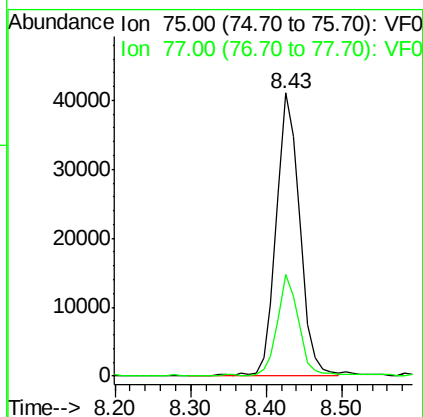
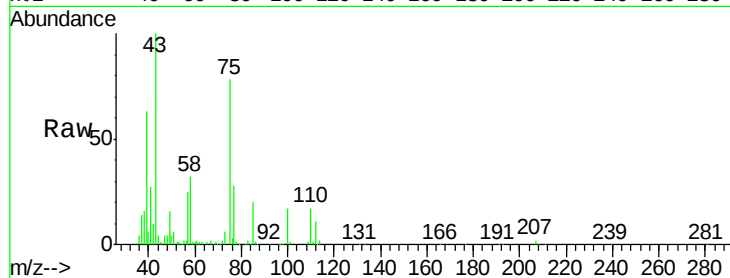
VF0620SBS02

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#54

cis-1,3-Dichloropropene

Concen: 20.58 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

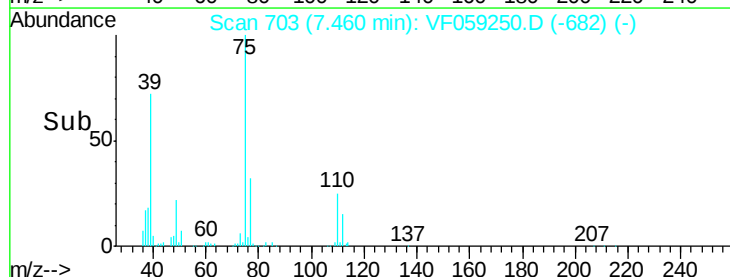
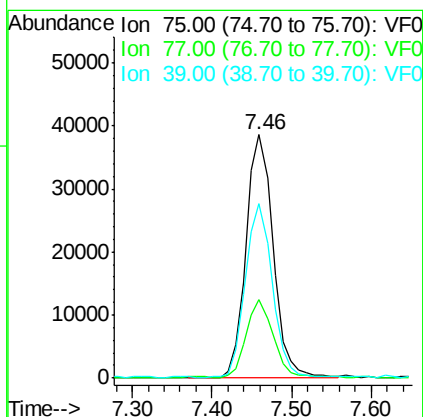
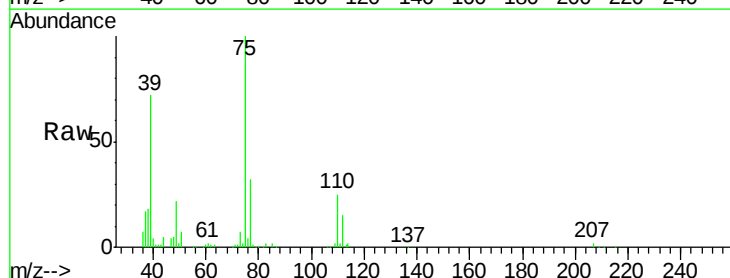
Tgt Ion: 75 Resp: 90748

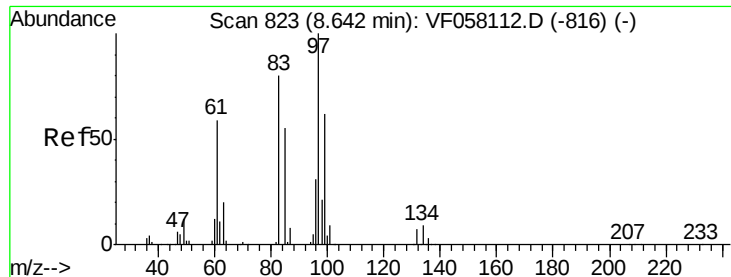
Ion Ratio Lower Upper

75 100

77 32.3 26.3 39.5

39 71.5 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 23.36 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

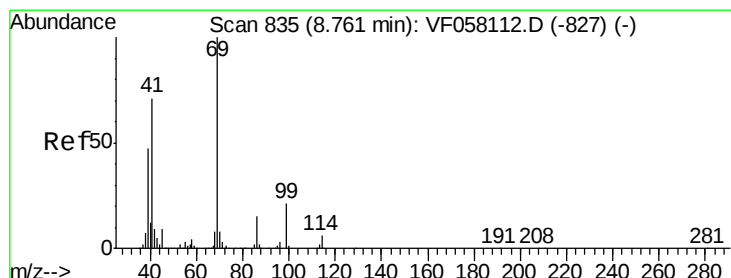
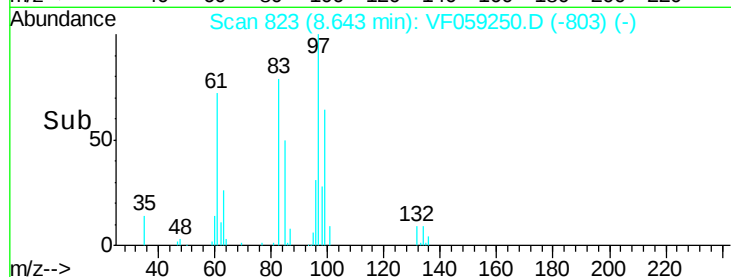
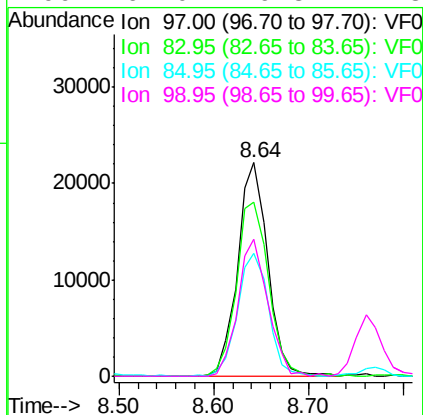
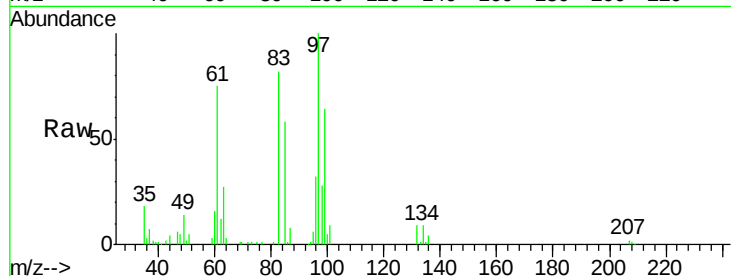
ClientSampleId :

VF0620SBS02

Tot Ion:	97	Resp:	48971
Ion	Ratio	Lower	Upper
97	100		
83	81.7	64.3	96.5
85	57.6	43.8	65.8
99	64.0	49.8	74.8

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#56

Ethyl methacrylate

Concen: 21.35 ug/l

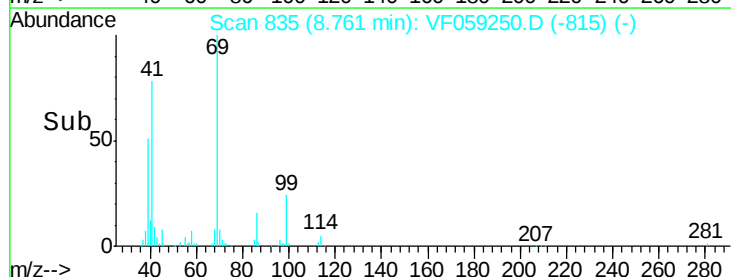
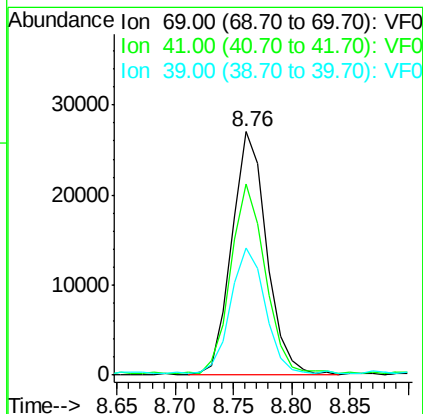
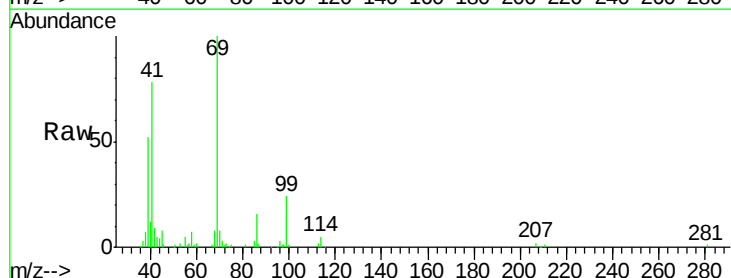
RT: 8.76 min Scan# 835

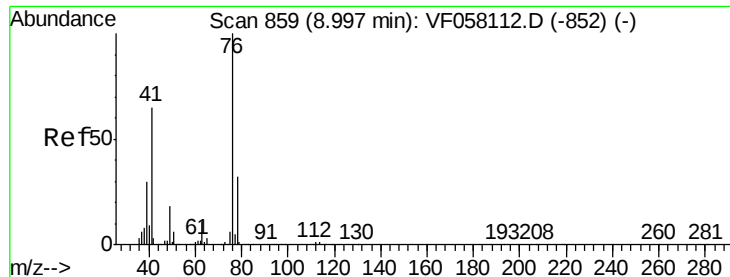
Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	69	Resp:	56428
Ion	Ratio	Lower	Upper
69	100		
41	78.3	56.9	85.3
39	52.1	38.0	57.0





#57

1,3-Dichloropropane

Concen: 22.43 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 76 Resp: 80458

Ion Ratio Lower Upper

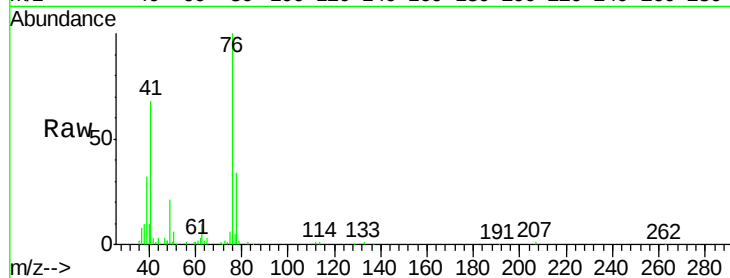
76 100

78 33.9 25.8 38.6

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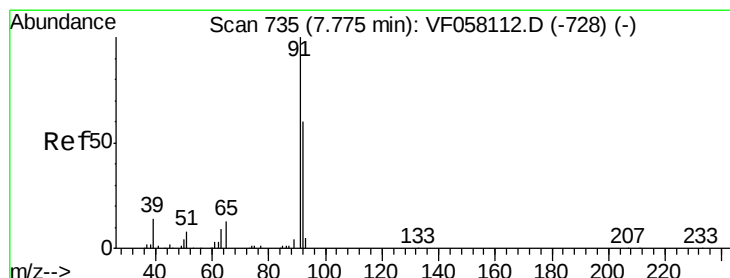
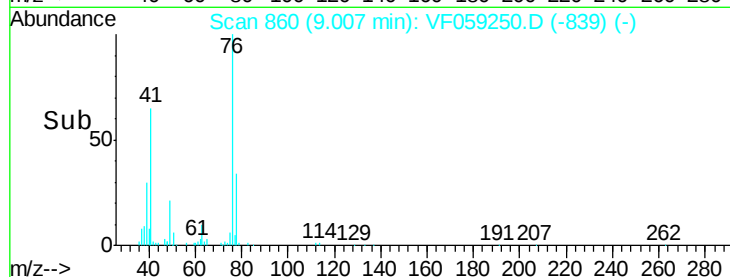
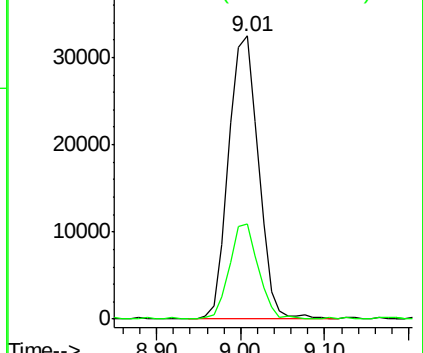
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 115.43 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059250.D

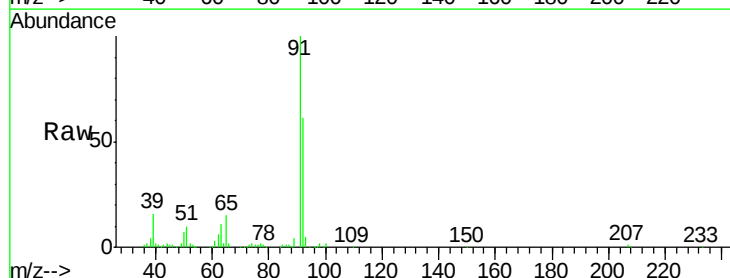
Acq: 21 Jun 2018 4:24

Tgt Ion: 63 Resp: 21811

Ion Ratio Lower Upper

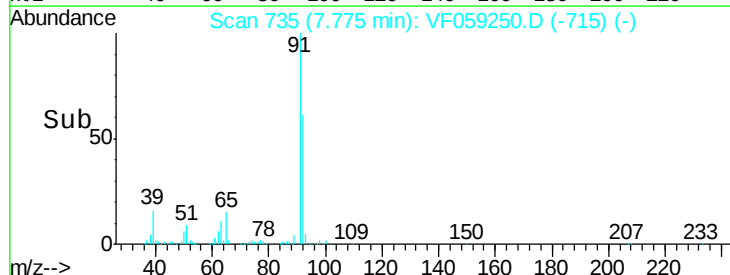
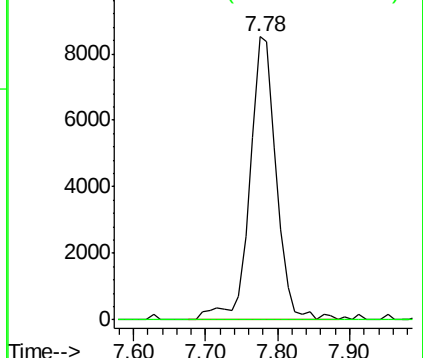
63 100

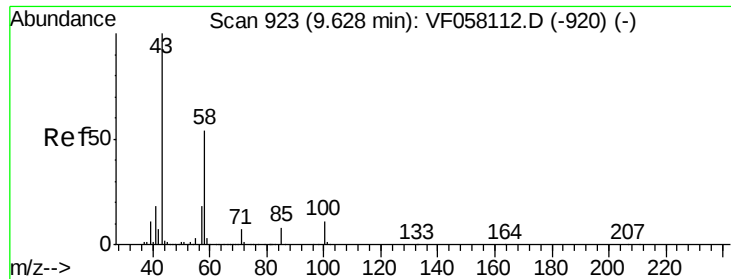
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





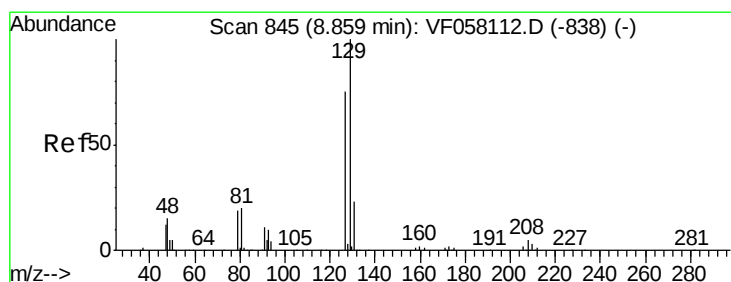
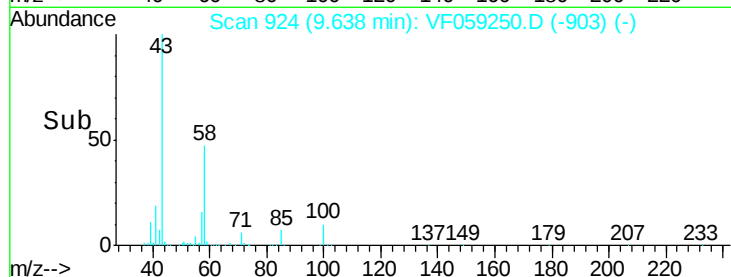
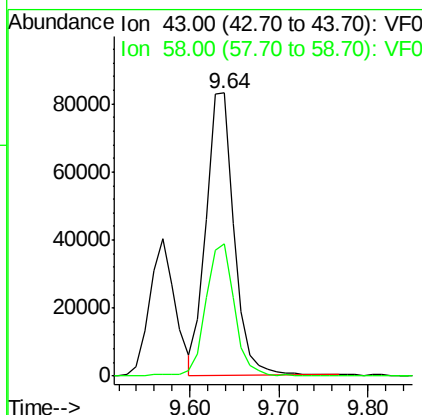
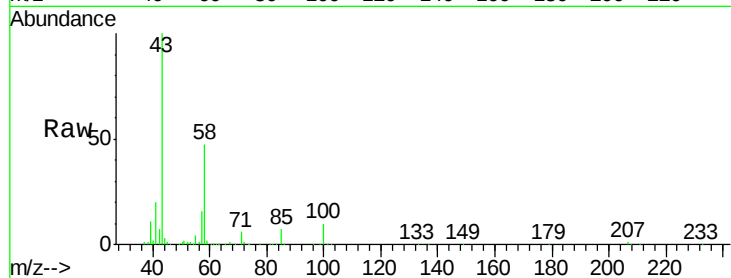
#59
2-Hexanone
Concen: 116.34 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	43	Resp	180626
Ion Ratio	43	100	
Lower	58	46.8	26.3
Upper			78.8

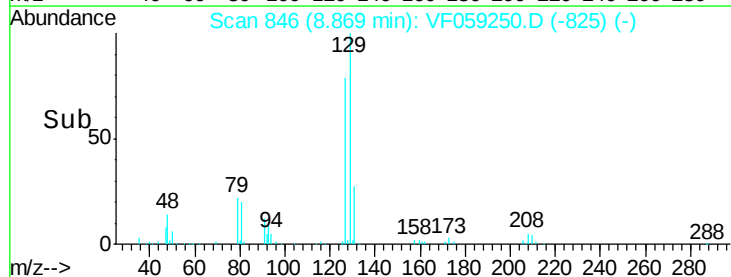
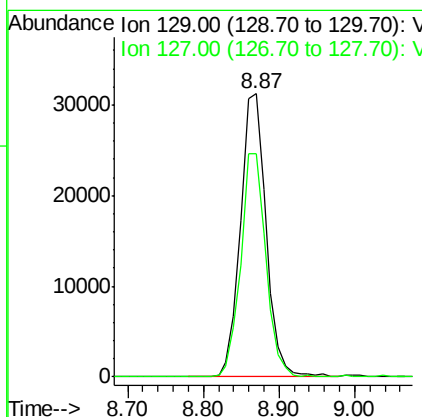
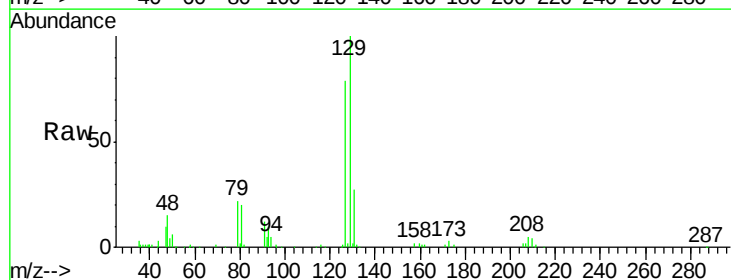
Manual Integrations
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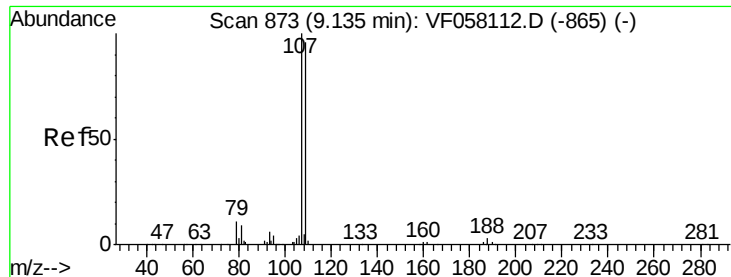
apatel
6/21/2018 9:46:40 AM



#60
Dibromochloromethane
Concen: 24.32 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	129	Resp	73281
Ion Ratio	129	100	
Lower	127	79.0	37.6
Upper			112.9





#61

1,2-Dibromoethane

Concen: 24.13 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 107 Resp: 58773

Ion Ratio Lower Upper

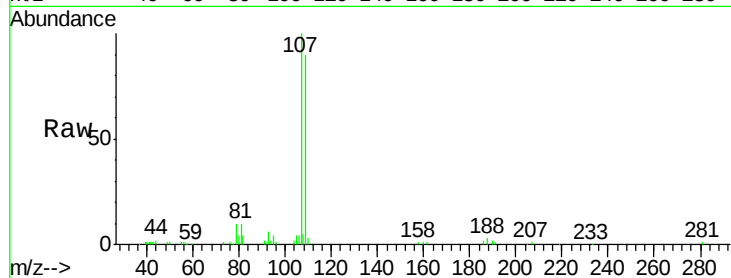
107 100

109 90.1 76.6 115.0

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

30000

25000

20000

15000

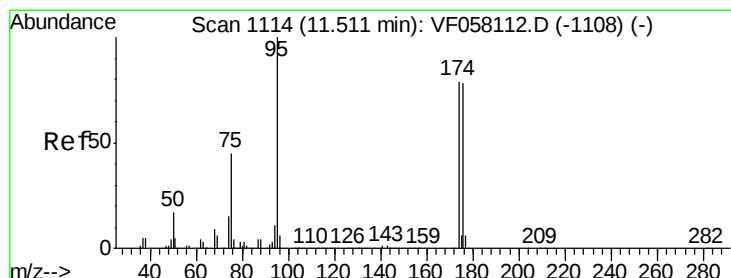
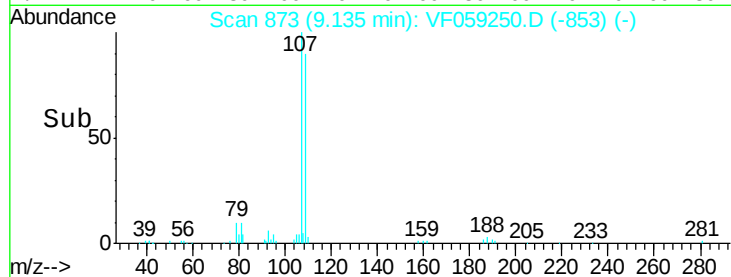
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 56.99 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

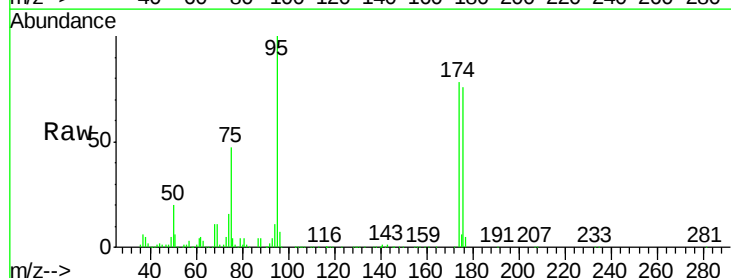
Tgt Ion: 95 Resp: 215110

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.8

176 75.9 0.0 155.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.51

150000

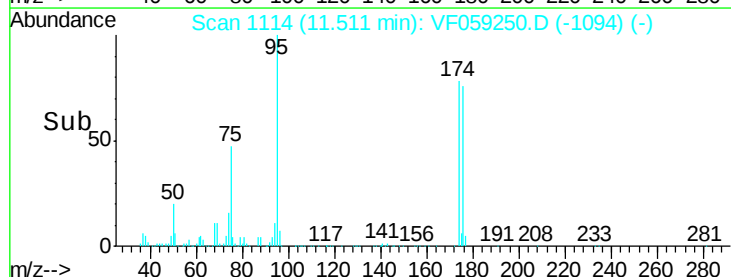
100000

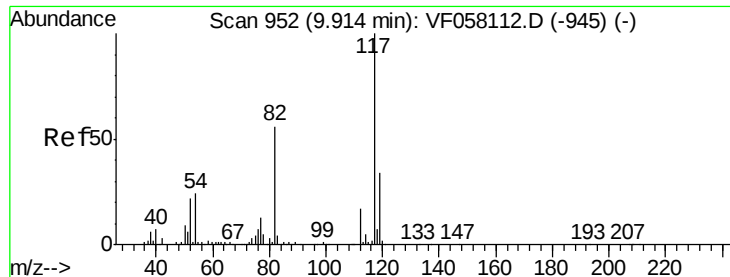
50000

0

Time-->

11.40 11.50 11.60 11.70





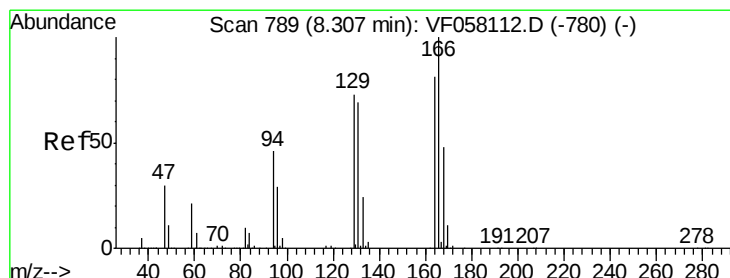
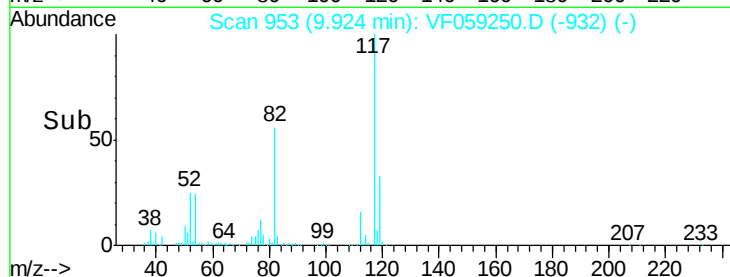
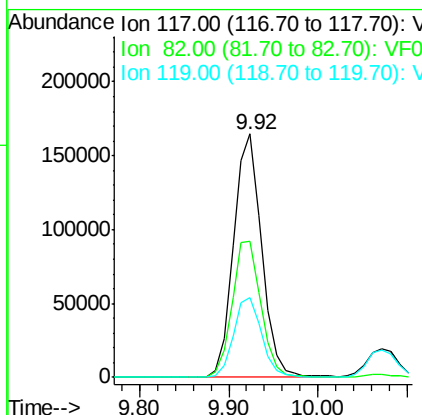
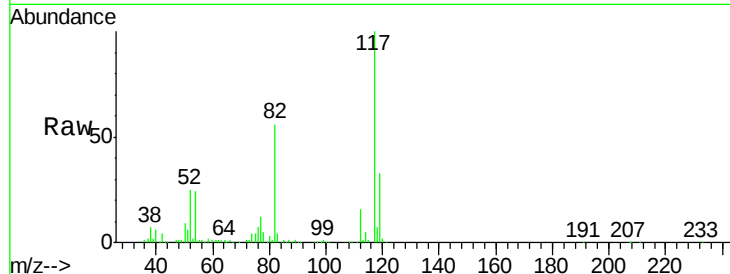
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	363997		
82	56.1	45.2	67.8	
119	33.0	27.5	41.3	

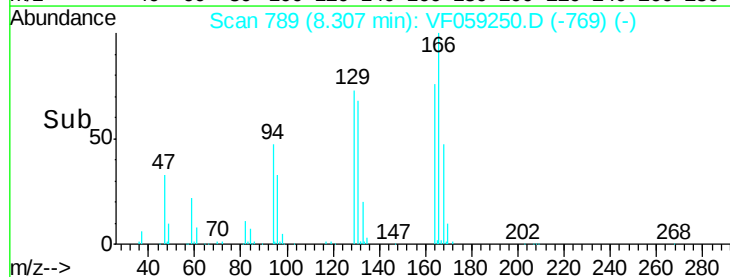
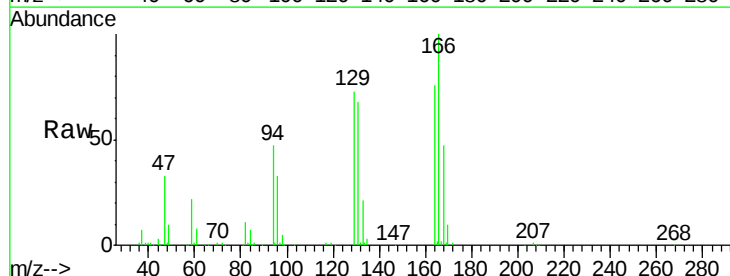
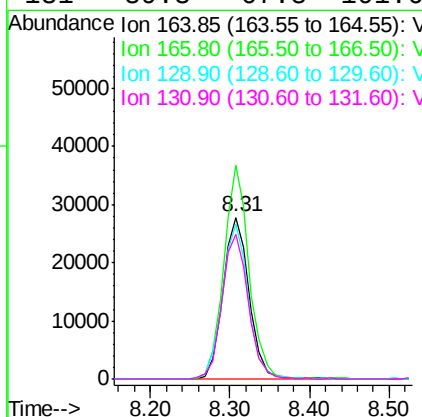
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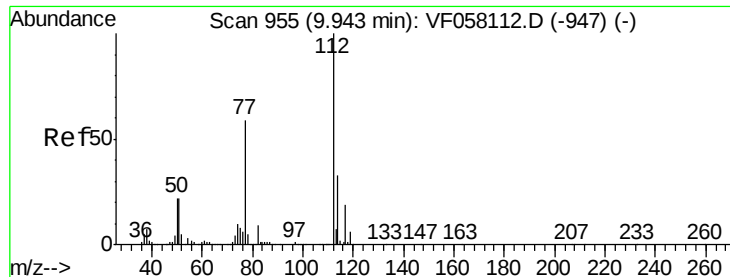
apatel
6/21/2018 9:46:40 AM



#64
Tetrachloroethene
Concen: 23.94 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	63914		
166	132.2	98.2	147.4	
129	96.0	71.6	107.4	
131	89.3	67.8	101.6	





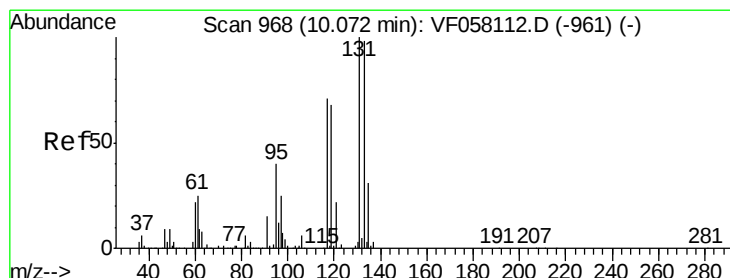
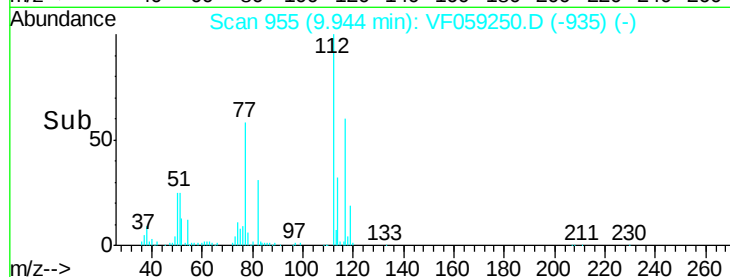
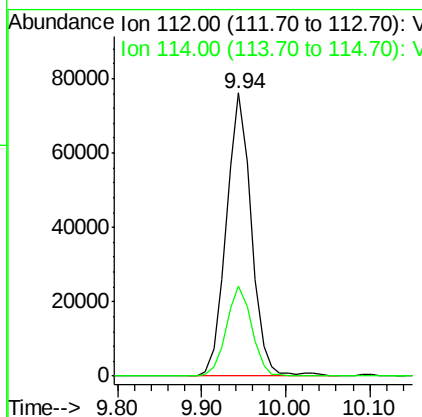
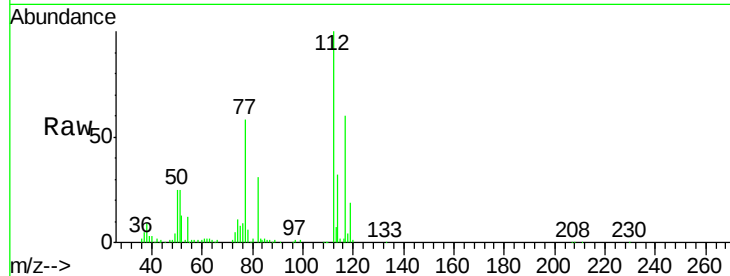
#65
Chlorobenzene
Concen: 21.89 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.4

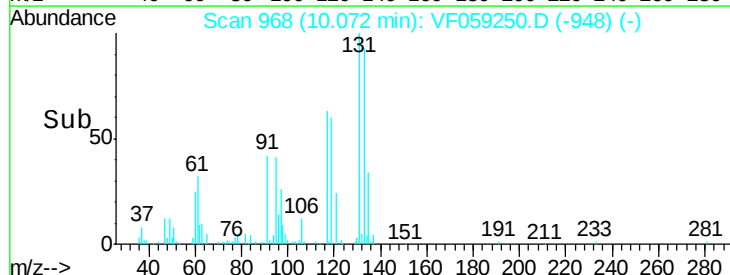
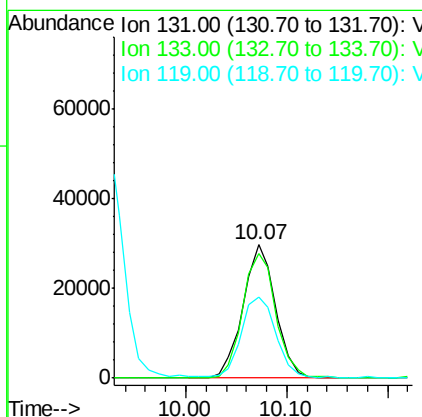
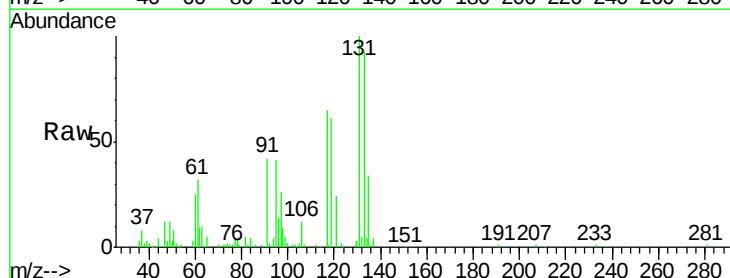
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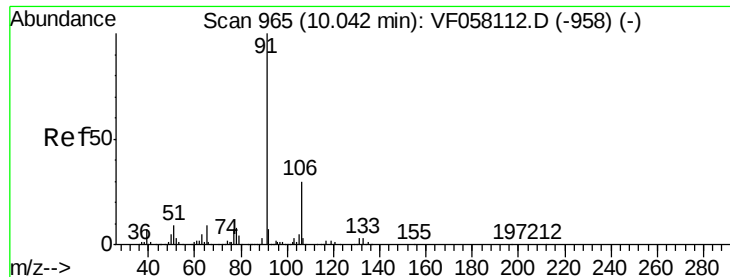
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.48 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	49.1	147.4
119	61.3	34.3	102.8





#67

Ethyl Benzene

Concen: 21.44 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 91 Resp: 268506

Ion Ratio Lower Upper

91 100

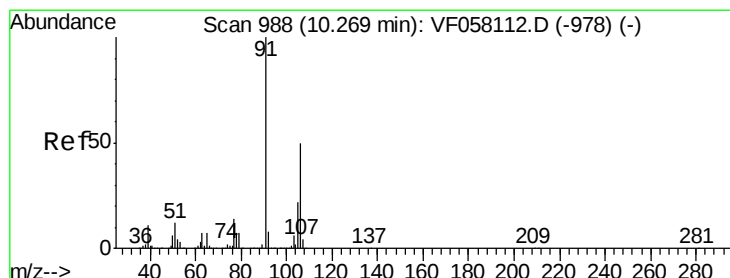
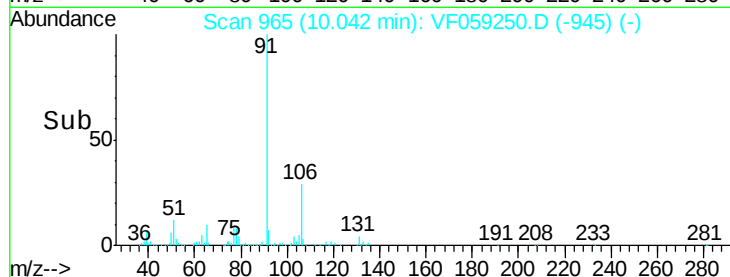
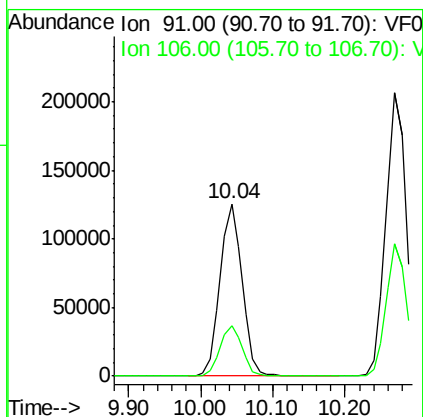
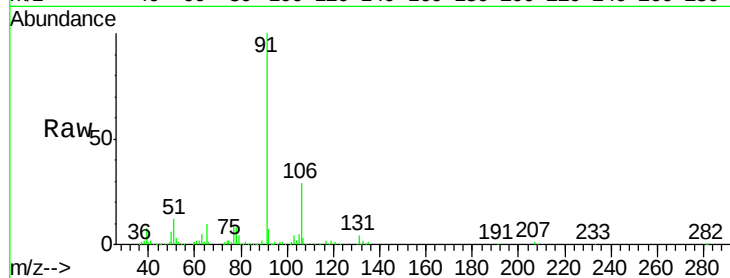
106 29.3 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.69 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059250.D

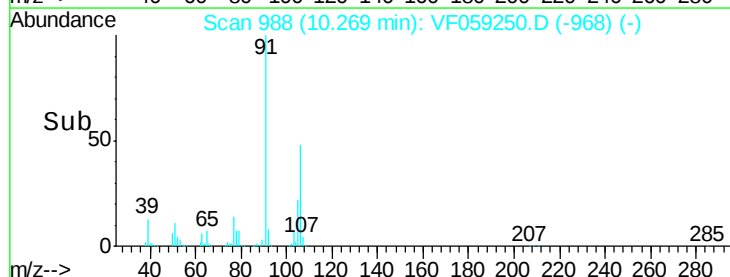
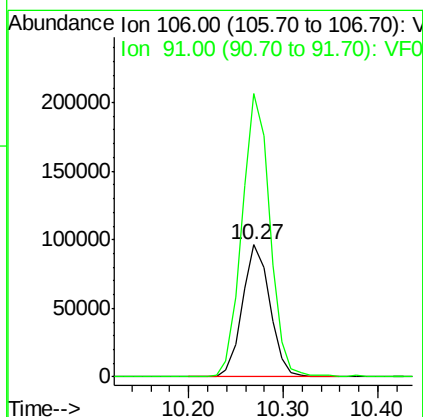
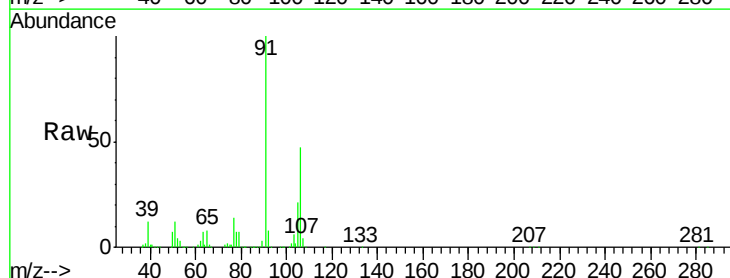
Acq: 21 Jun 2018 4:24

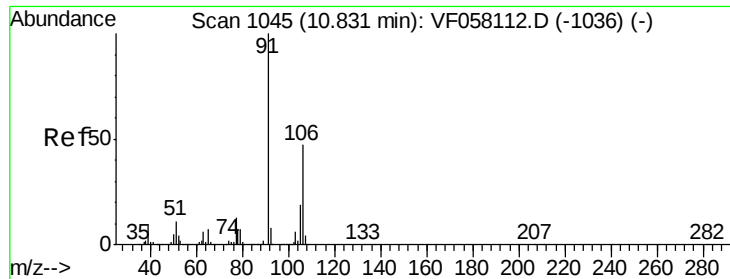
Tgt Ion: 106 Resp: 195506

Ion Ratio Lower Upper

106 100

91 214.5 160.7 241.1





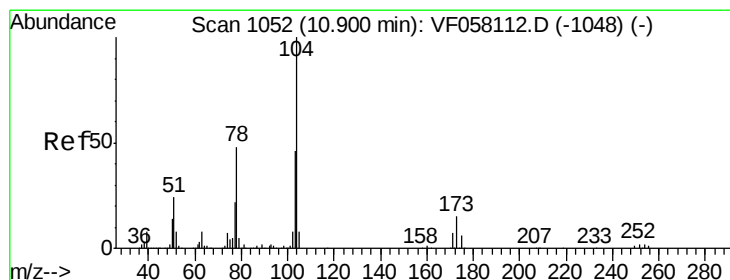
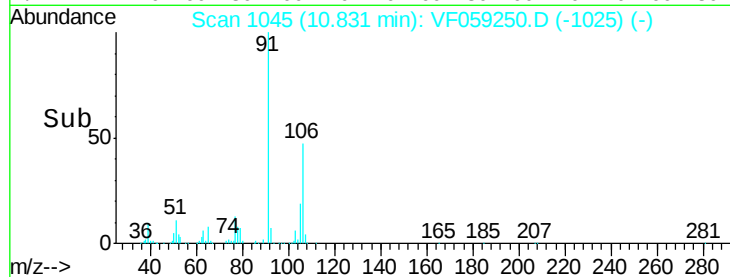
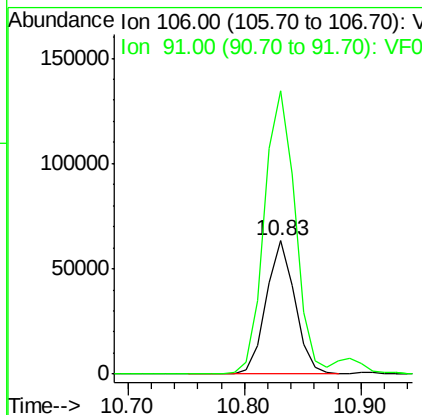
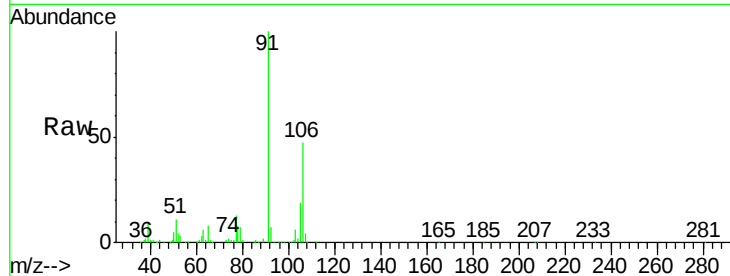
#69
o-Xylene
Concen: 21.50 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		108960		
91	212.3	107.0	321.0		

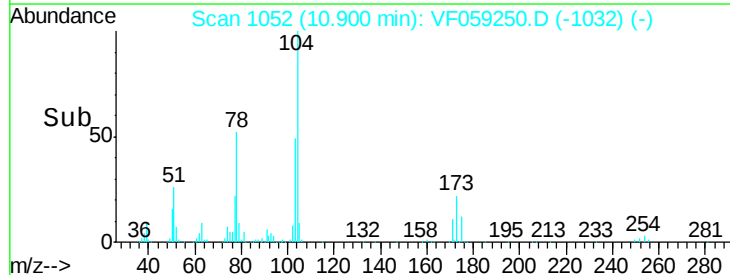
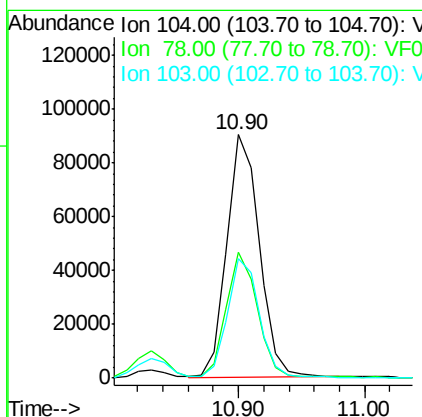
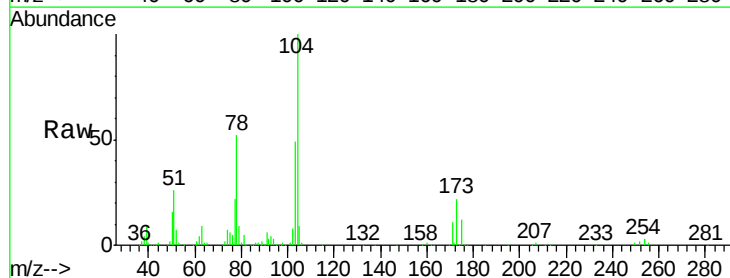
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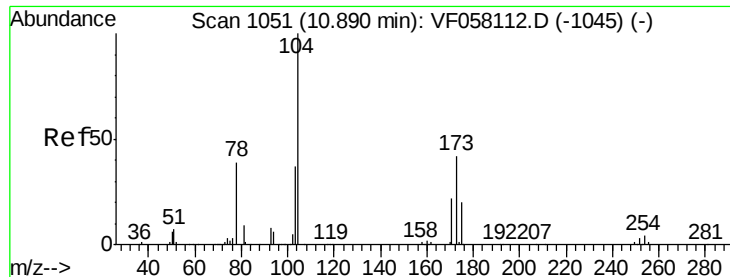
apatel
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#70
Styrene
Concen: 20.86 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		159931		
78	51.9	38.4	57.6		
103	49.2	37.0	55.6		





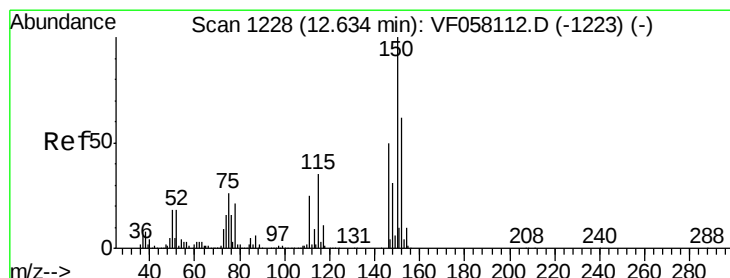
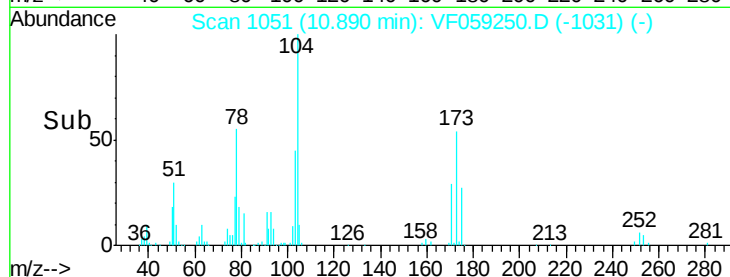
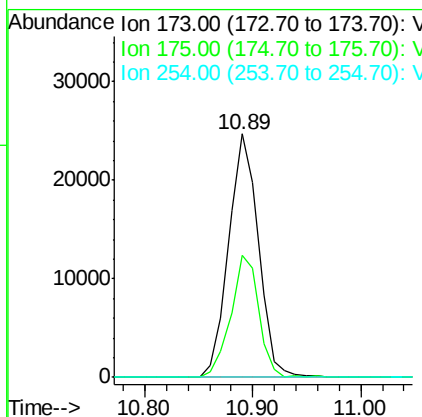
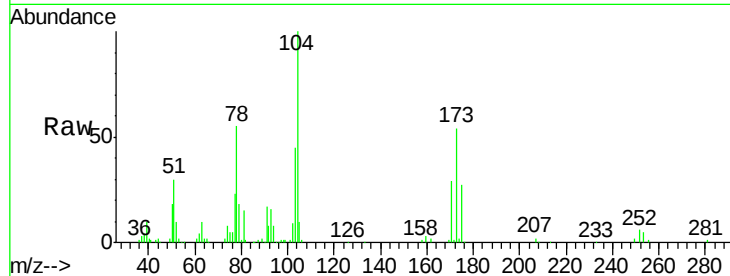
#71
Bromoform
Concen: 24.24 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.6	74.0
254	0.0	7.8	11.8

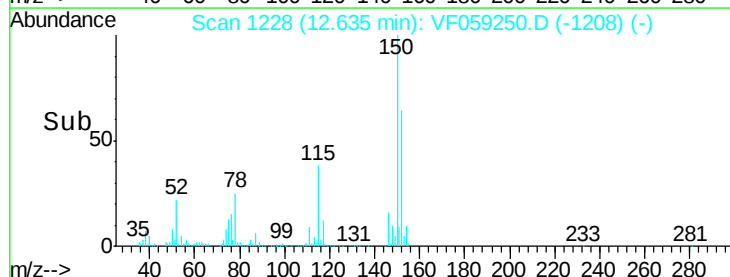
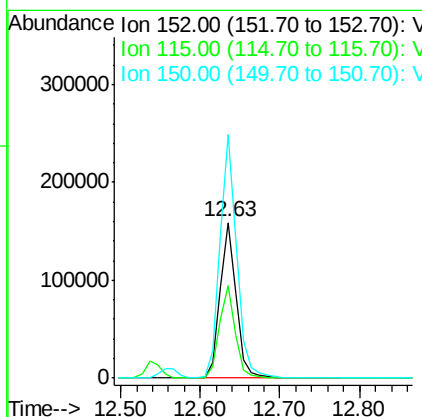
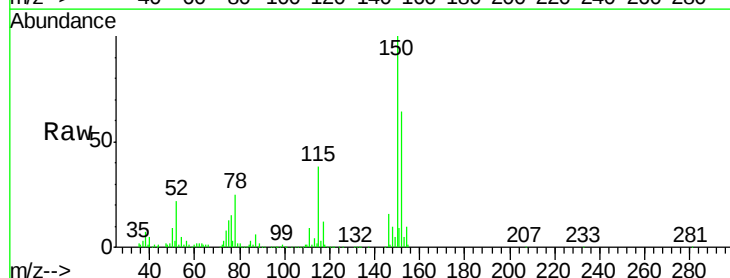
Manual Integrations
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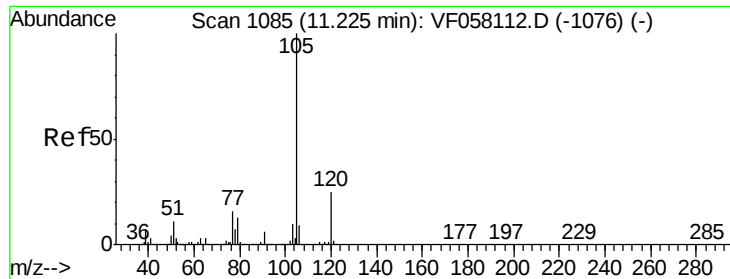
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.5	85.5
150	156.1	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: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 105 Resp: 325728

Ion Ratio Lower Upper

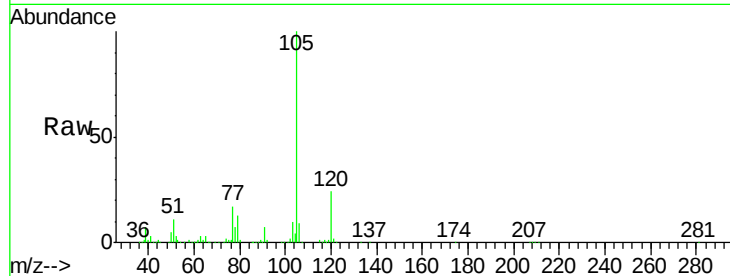
105 100

120 23.9 12.7 38.1

Manual Integrations
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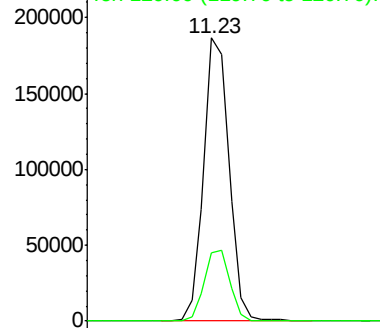
apatel

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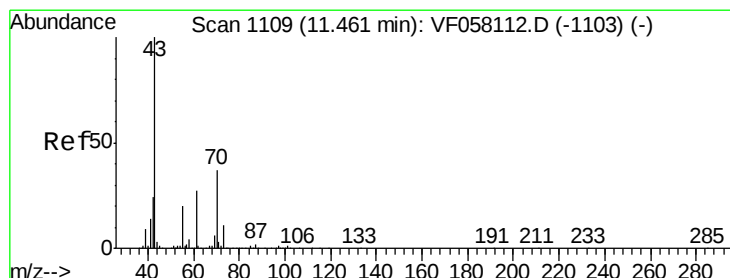
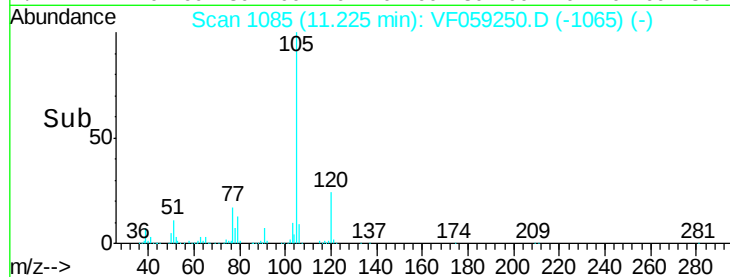


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 20.20 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion: 43 Resp: 114699

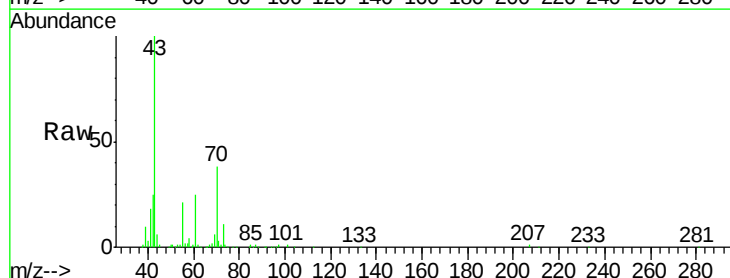
Ion Ratio Lower Upper

43 100

70 38.2 29.2 43.8

55 21.2 15.8 23.6

61 25.0 21.3 31.9

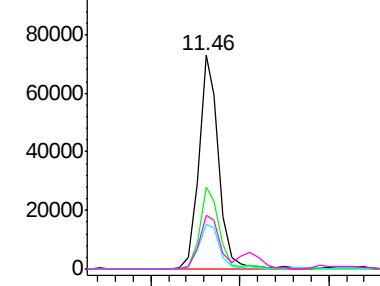


Abundance Ion 43.00 (42.70 to 43.70): VF0

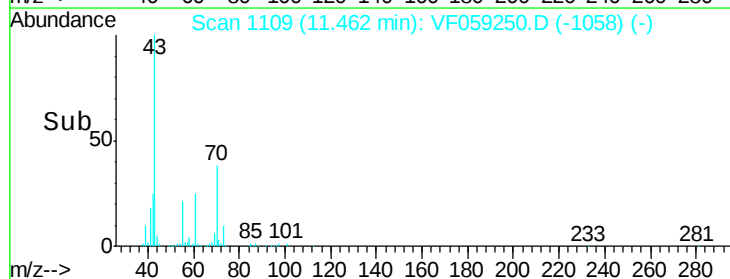
Ion 70.00 (69.70 to 70.70): VF0

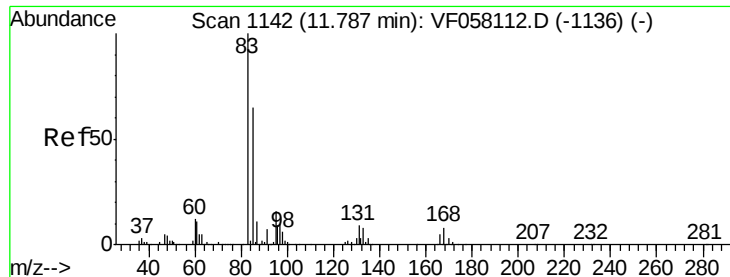
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.13 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

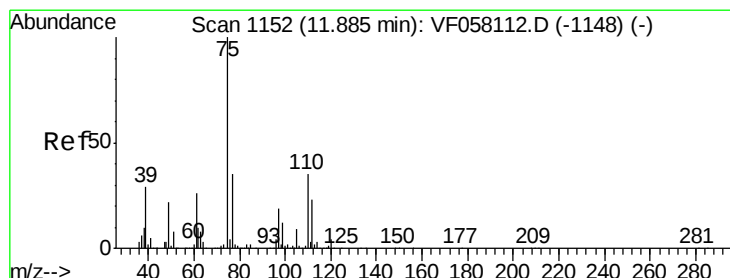
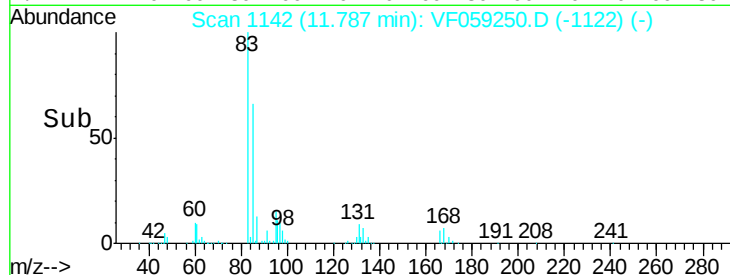
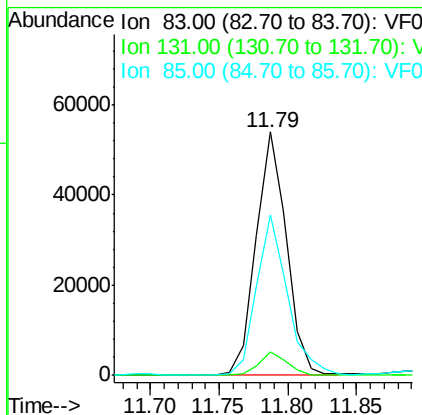
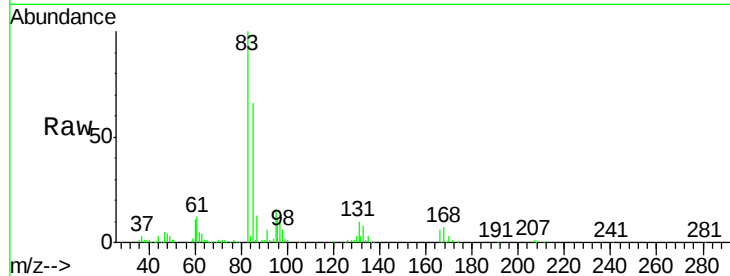
ClientSampleId :

VF0620SBS02

Tot Ion:	83	Resp:	83387
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.5	13.7
85	65.8	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 22.76 ug/l

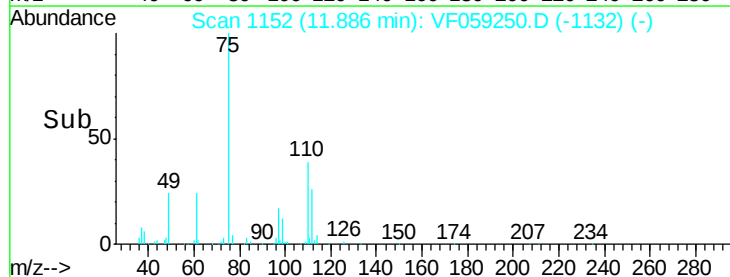
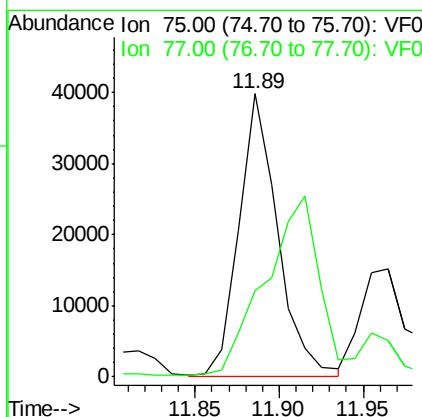
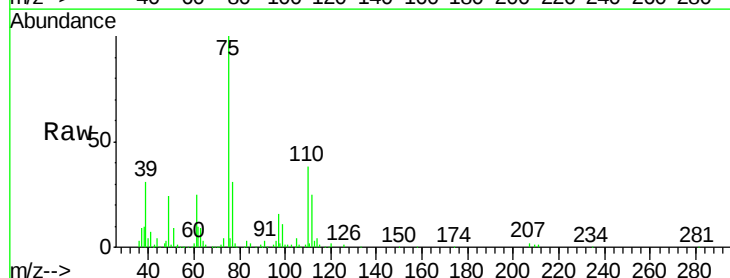
RT: 11.89 min Scan# 1152

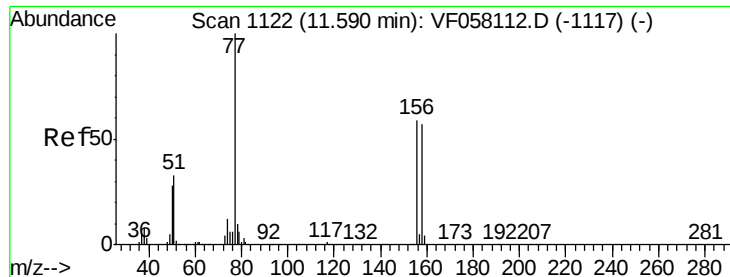
Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	75	Resp:	63325
Ion Ratio	Lower	Upper	
75	100		
77	30.6	17.5	52.5





#77

Bromobenzene

Concen: 21.61 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

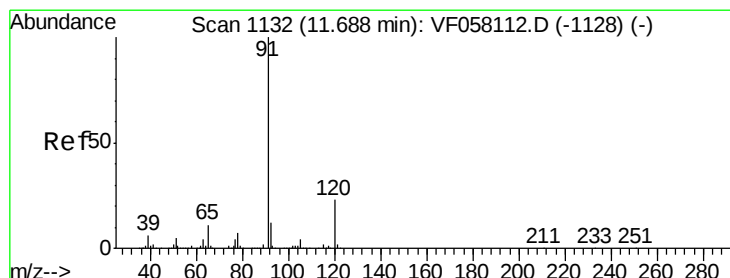
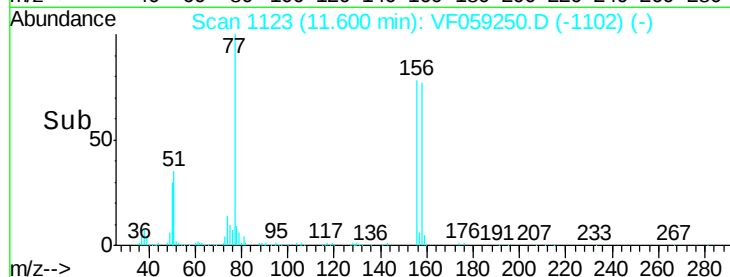
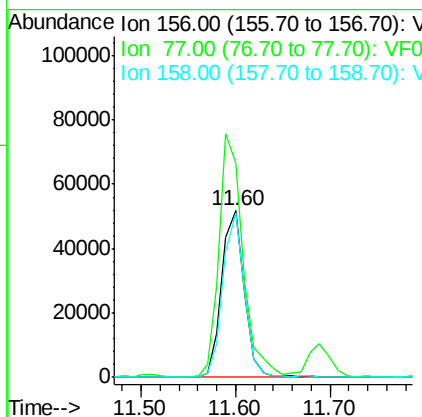
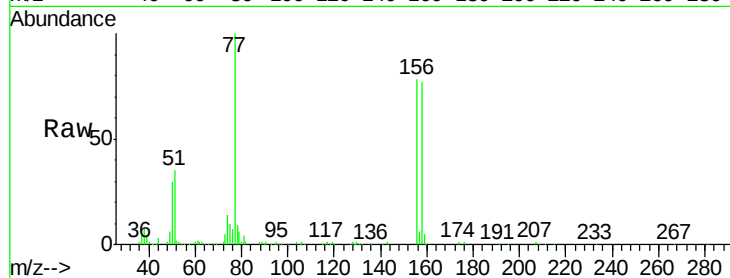
ClientSampleId :

VF0620SBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	128.5	84.8	254.4	
158	98.6	47.9	143.7	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.13 ug/l

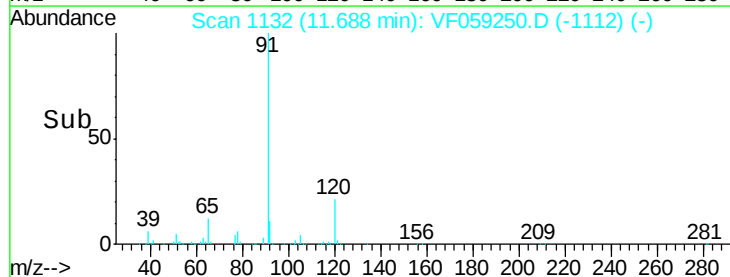
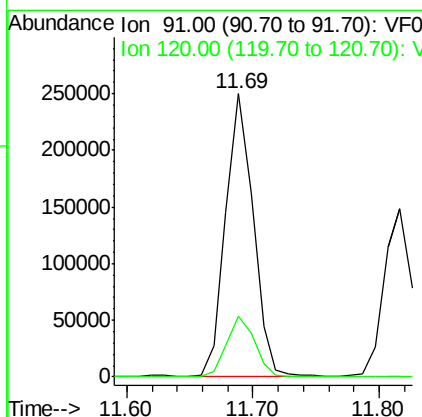
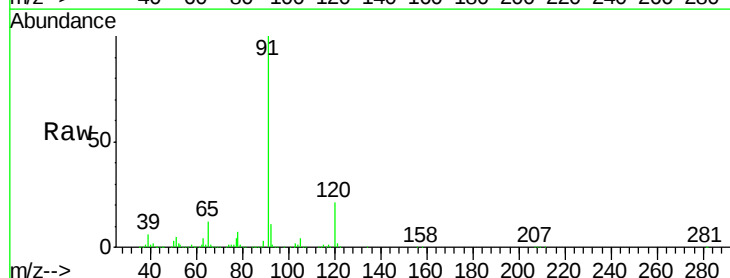
RT: 11.69 min Scan# 1132

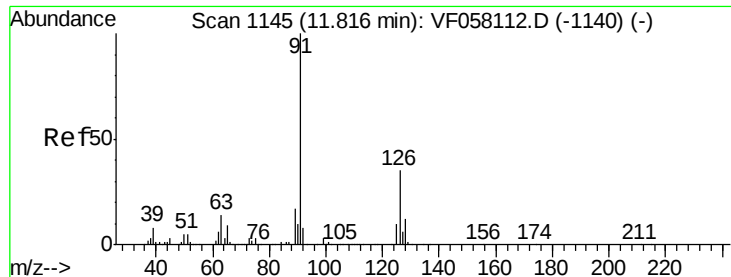
Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.4	11.5	34.5	





#79

2-Chlorotoluene

Concen: 20.48 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion: 91 Resp: 227587

Ion Ratio Lower Upper

91 100

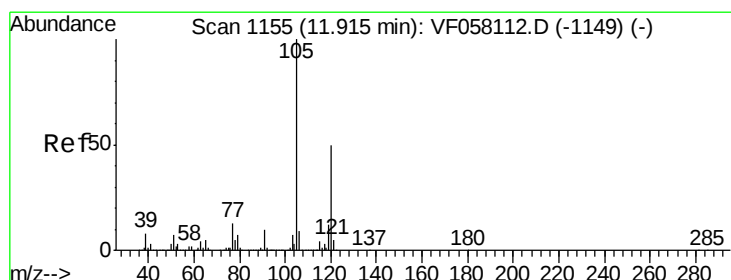
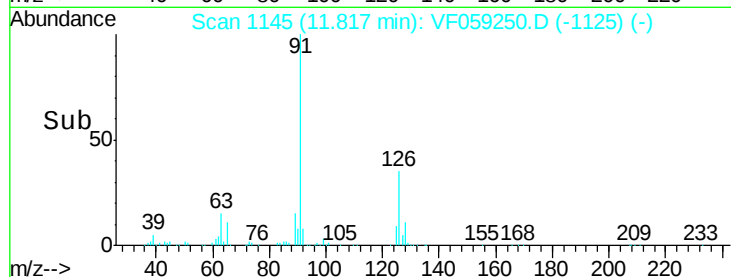
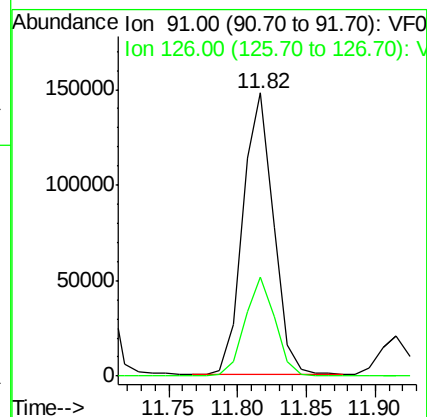
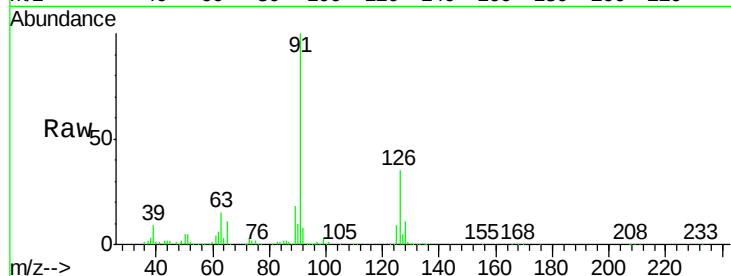
126 35.2 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 21.94 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059250.D

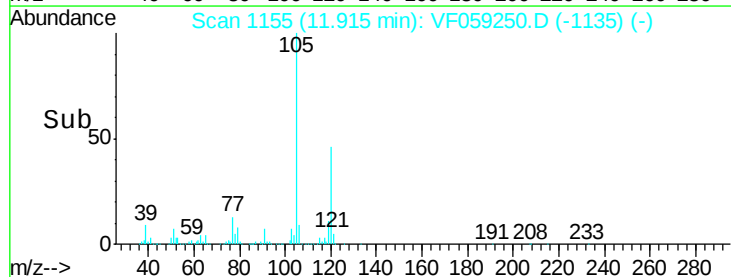
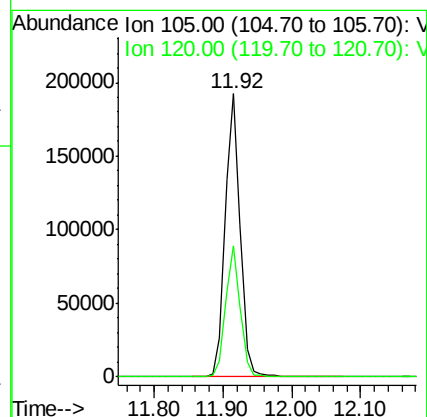
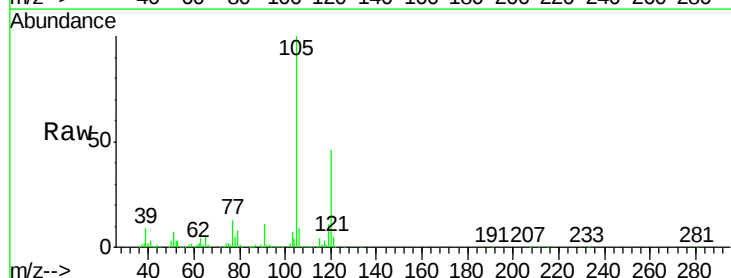
Acq: 21 Jun 2018 4:24

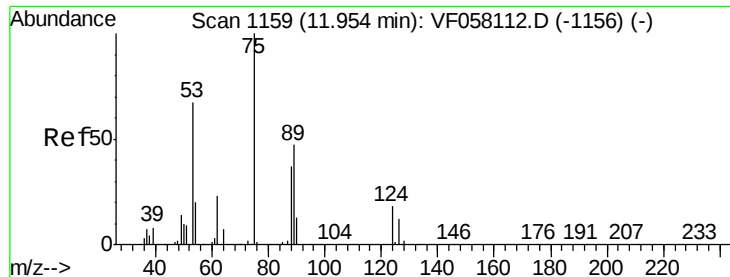
Tgt Ion:105 Resp: 288596

Ion Ratio Lower Upper

105 100

120 46.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.46 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

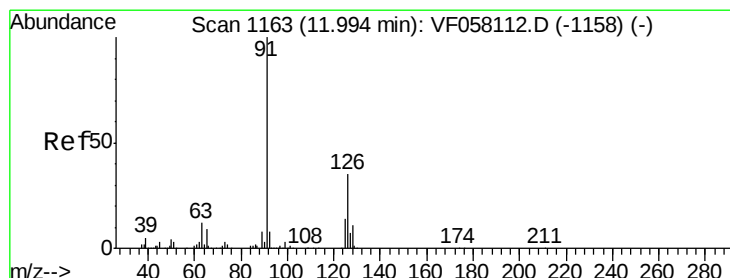
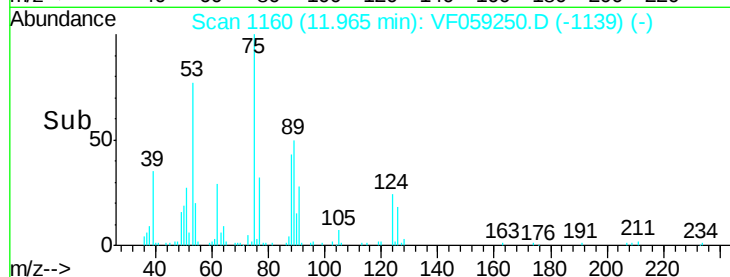
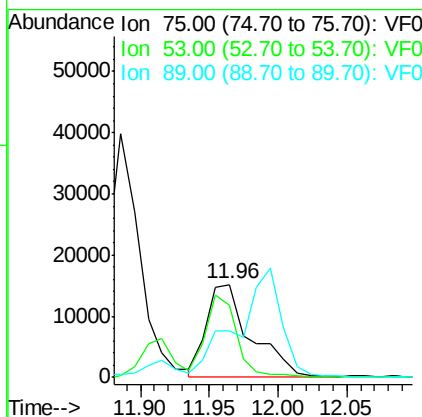
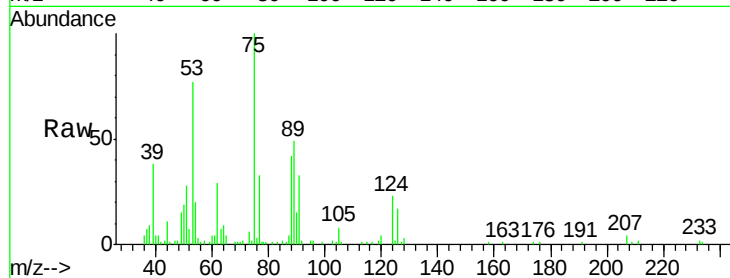
ClientSampleId :

VF0620SBS02

Tot Ion:	75	Resp:	33304
Ion	Ratio	Lower	Upper
75	100		
53	77.0	58.7	88.1
89	49.4	39.8	59.6

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#82

4-Chlorotoluene

Concen: 21.30 ug/l

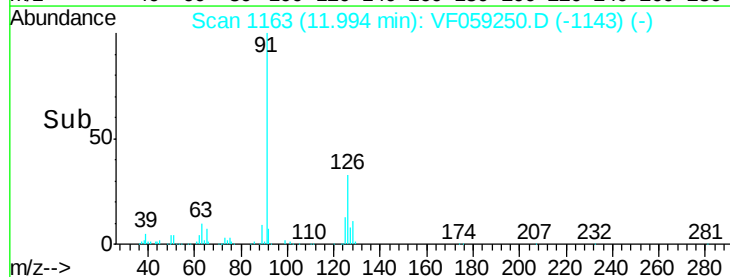
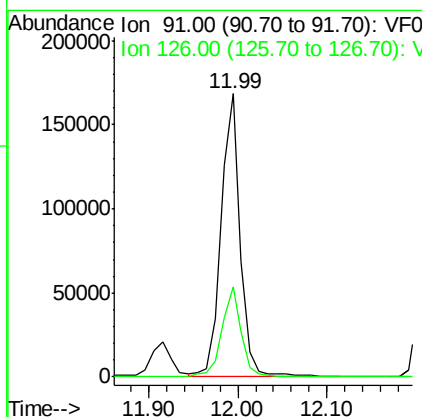
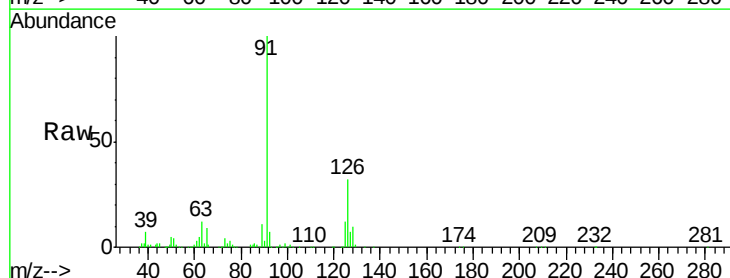
RT: 11.99 min Scan# 1163

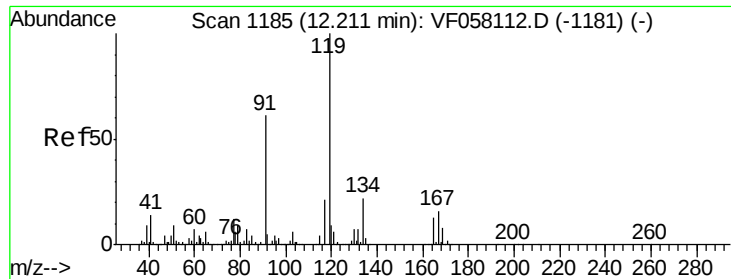
Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	91	Resp:	251957
Ion	Ratio	Lower	Upper
91	100		
126	32.0	17.4	52.2





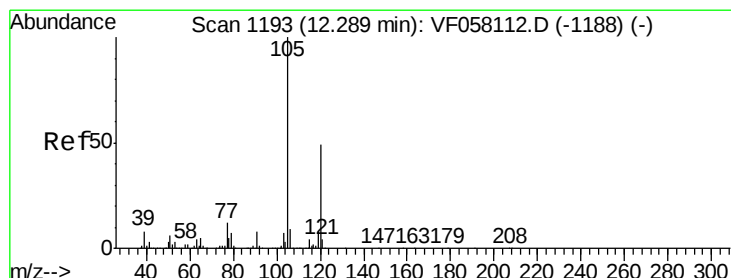
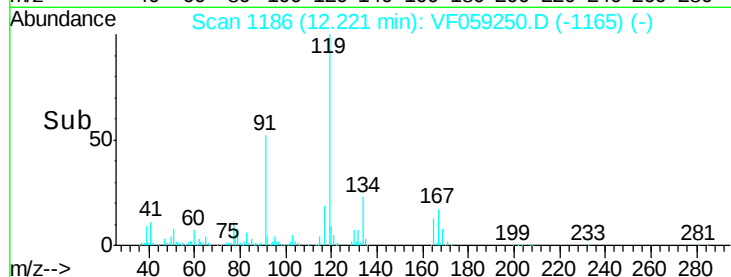
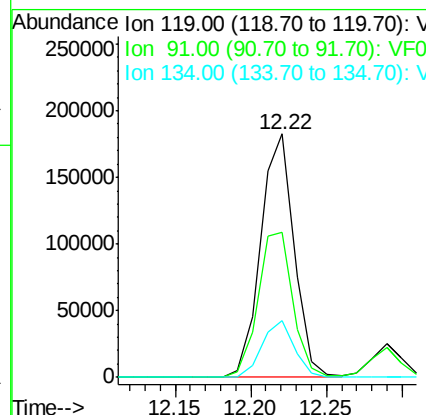
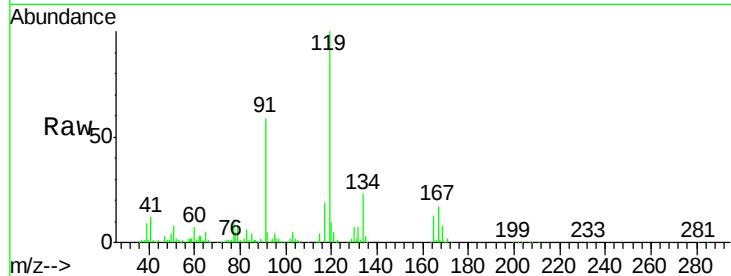
#83
 tert-Butylbenzene
 Concen: 21.73 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283789		
91	59.4		30.4	91.3
134	23.5		11.2	33.5

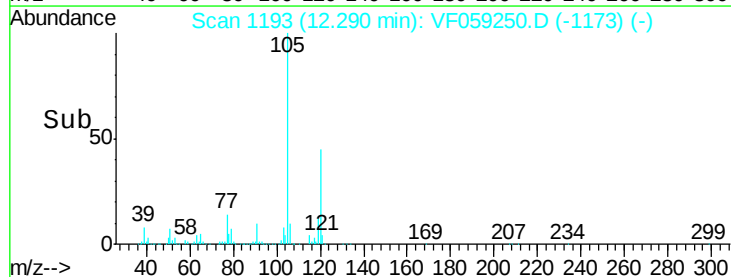
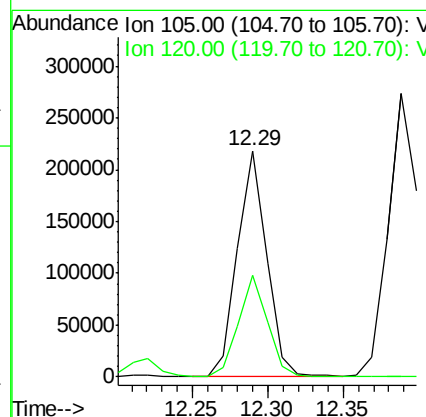
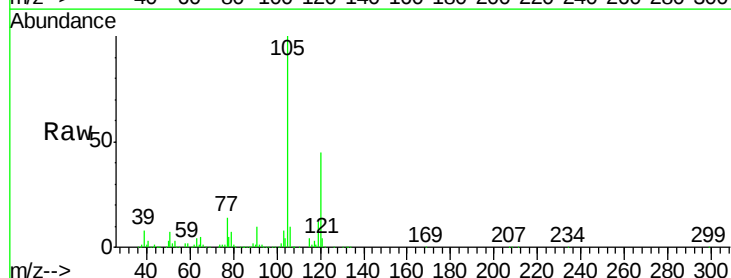
Manual Integrations
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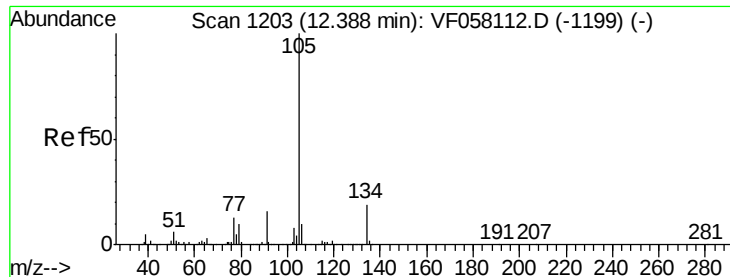
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.59 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294227		
120	45.2		24.7	74.1





#85

sec-Butylbenzene

Concen: 21.85 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS02

Tot Ion:105 Resp: 387805

Ion Ratio Lower Upper

105 100

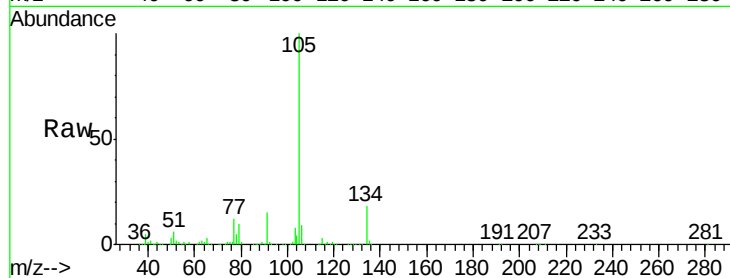
134 18.0 9.6 28.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

300000

250000

200000

150000

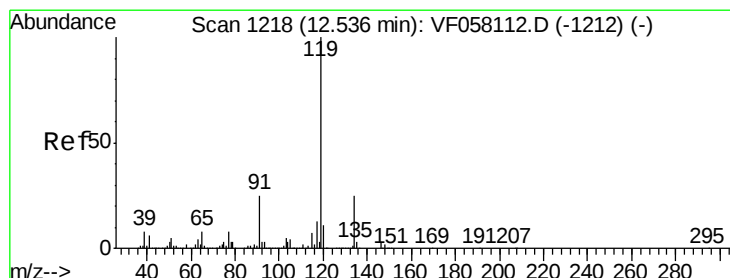
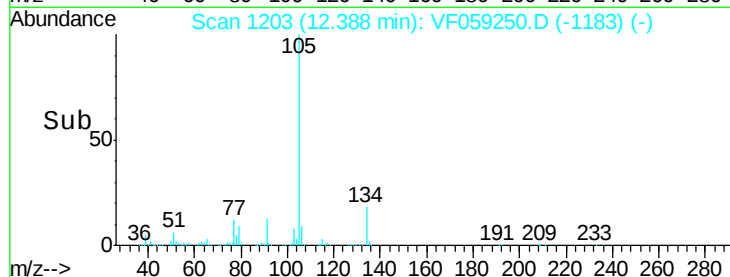
100000

50000

0

12.30 12.40 12.50

Time-->



#86

p-Isopropyltoluene

Concen: 22.13 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

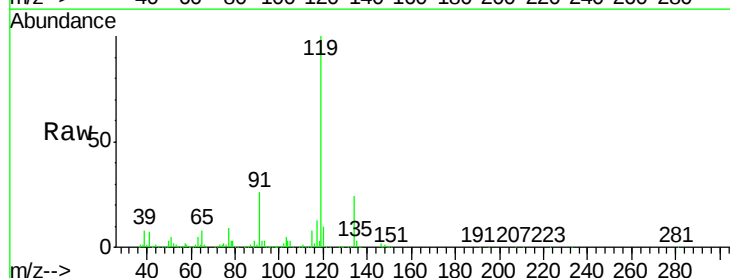
Tgt Ion:119 Resp: 322553

Ion Ratio Lower Upper

119 100

134 23.9 12.7 38.0

91 26.2 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

12.54

300000

250000

200000

150000

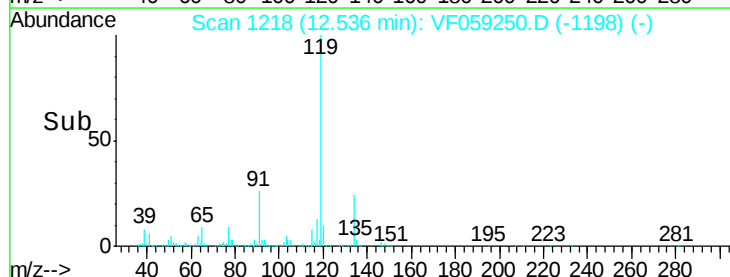
100000

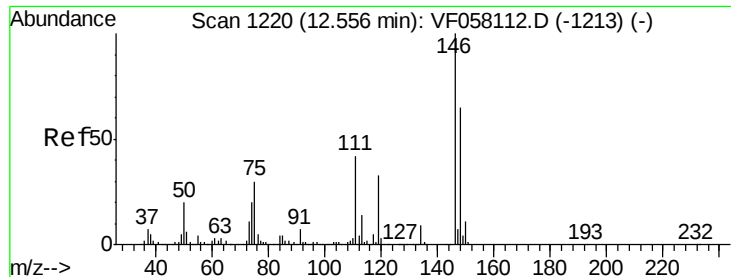
50000

0

12.50 12.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.95 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Instrument :

MSVOA_F

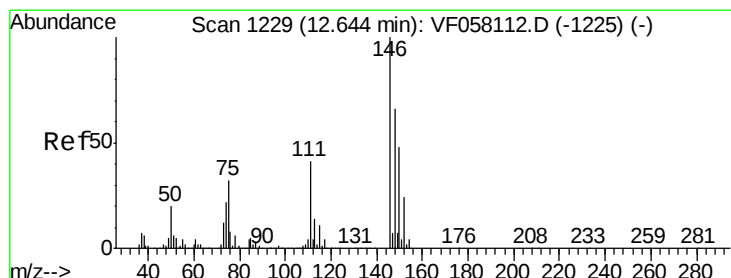
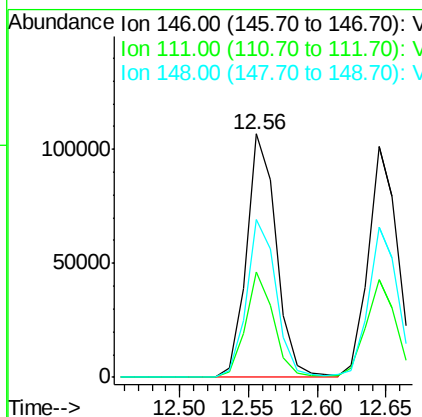
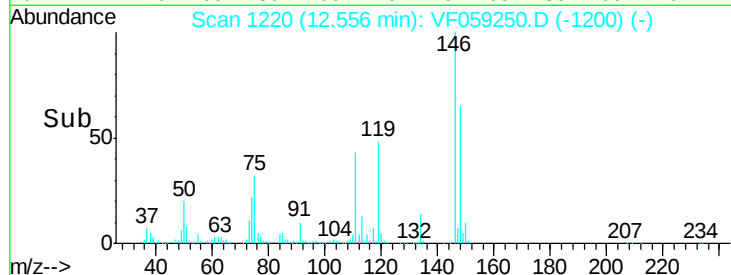
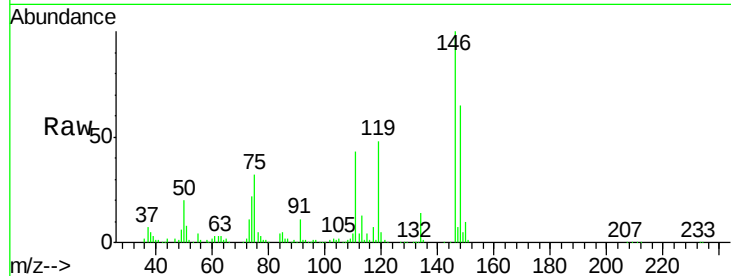
ClientSampleId :

VF0620SBS02

Tot Ion:	146	Resp:	162122
Ion Ratio		Lower	Upper
146	100		
111	43.1	20.8	62.5
148	64.9	32.3	96.9

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#88

1,4-Dichlorobenzene

Concen: 21.42 ug/l

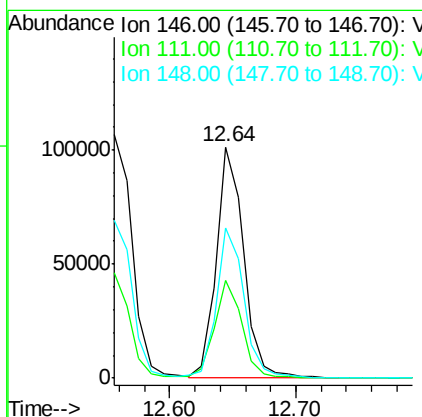
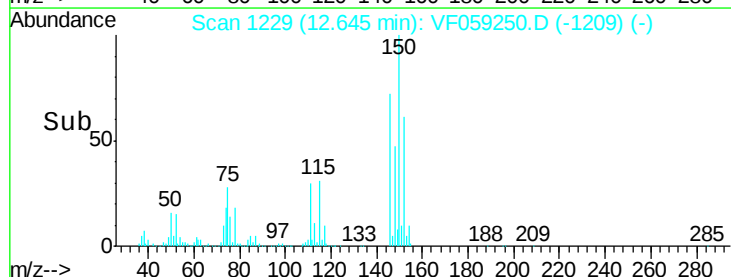
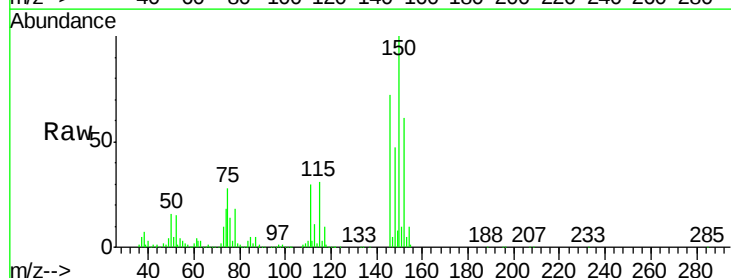
RT: 12.64 min Scan# 1229

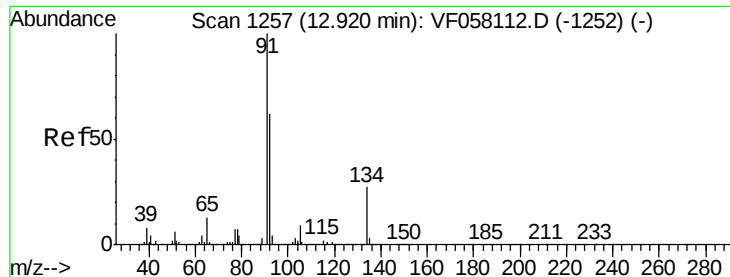
Delta R.T. 0.00 min

Lab File: VF059250.D

Acq: 21 Jun 2018 4:24

Tgt Ion:	146	Resp:	152440
Ion Ratio		Lower	Upper
146	100		
111	42.5	20.4	61.2
148	65.2	33.0	99.0





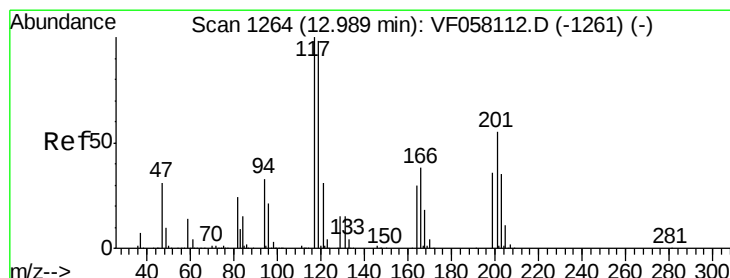
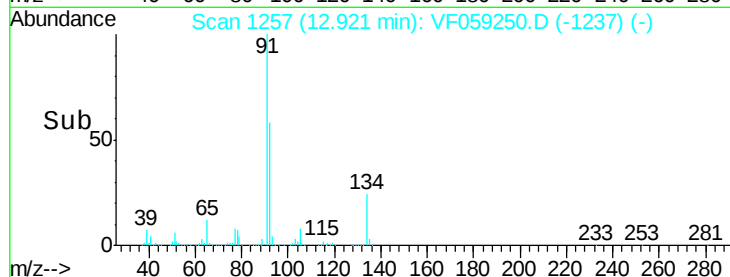
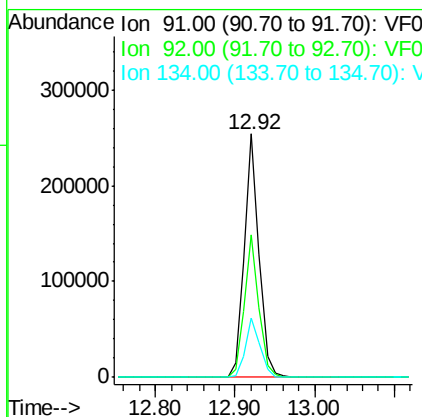
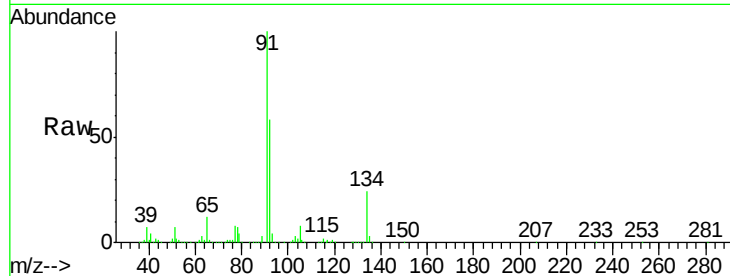
#89
n-Butylbenzene
Concen: 19.47 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.4	31.1	93.5
134	24.3	13.6	40.8

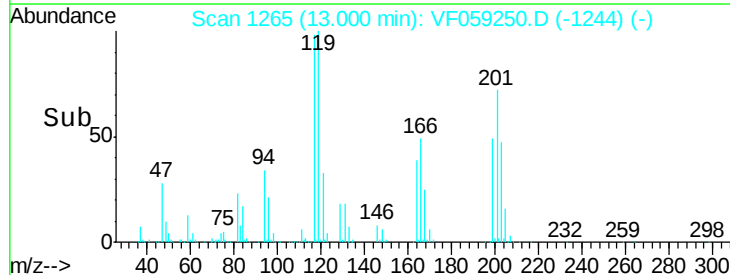
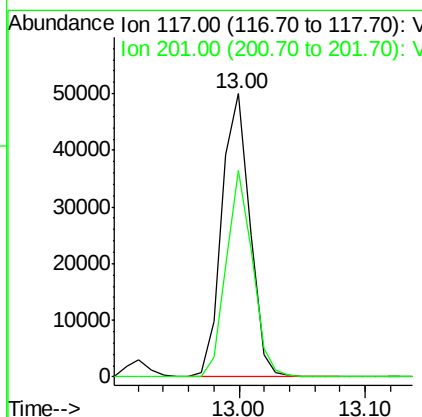
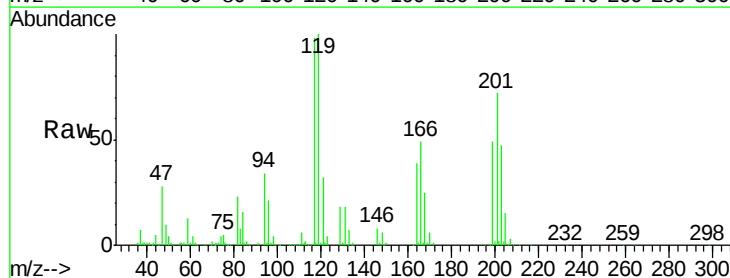
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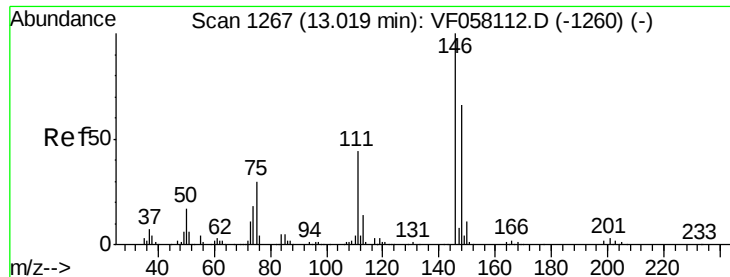
apatel
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#90
Hexachloroethane
Concen: 21.43 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	27.5	82.4





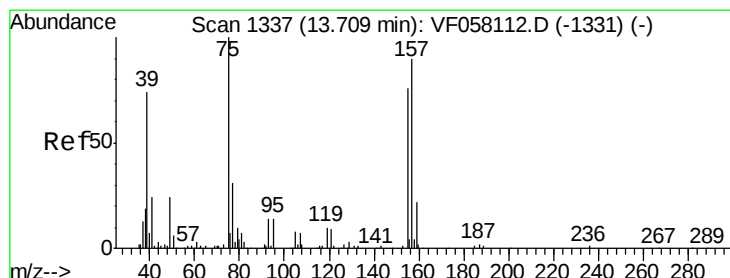
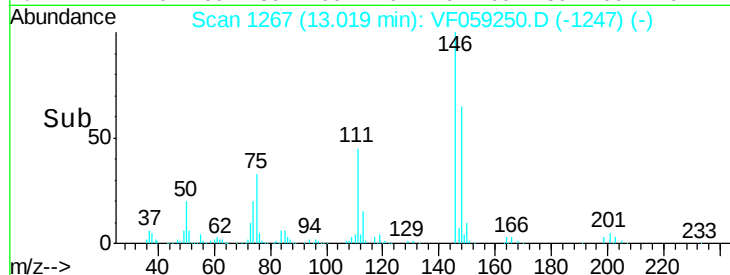
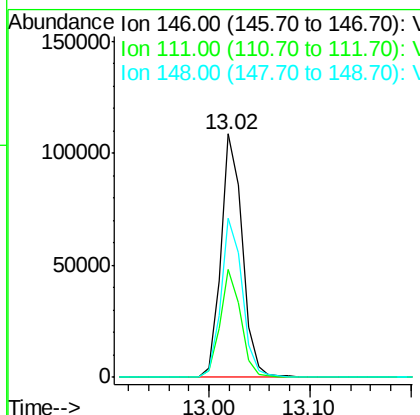
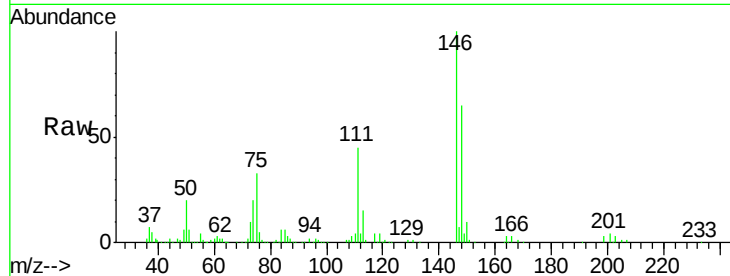
#91
 1,2-Dichlorobenzene
 Concen: 22.69 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.0	66.0
148	65.1	33.1	99.3

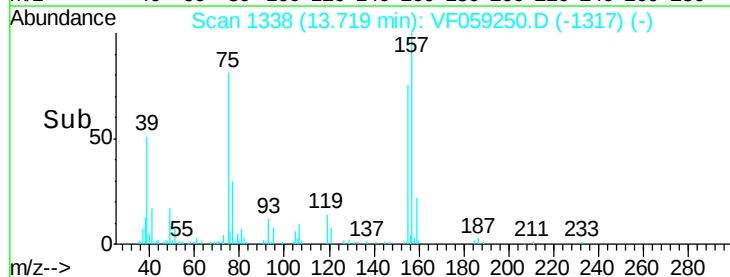
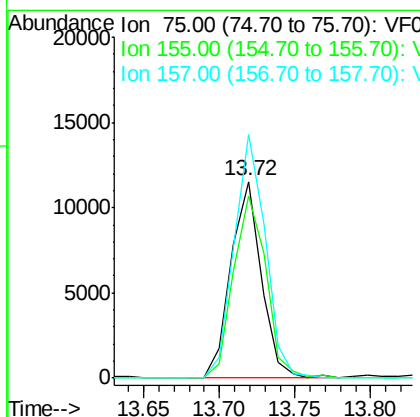
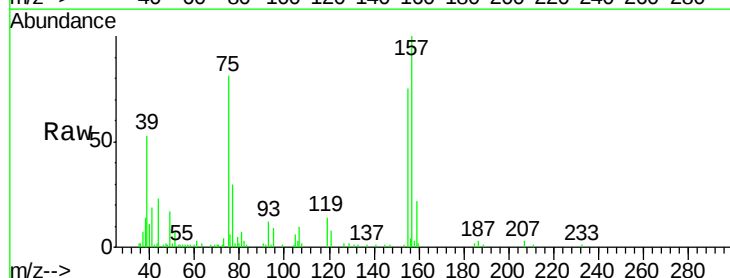
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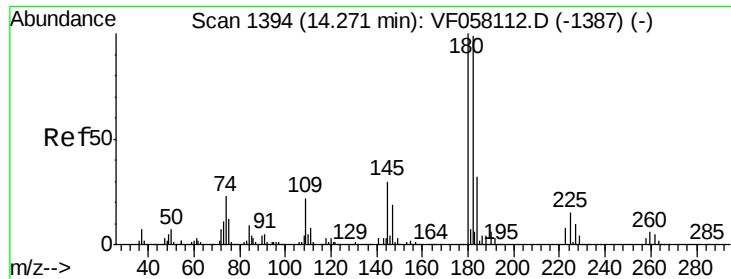
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.83 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	38.0	114.0
157	123.9	45.1	135.5





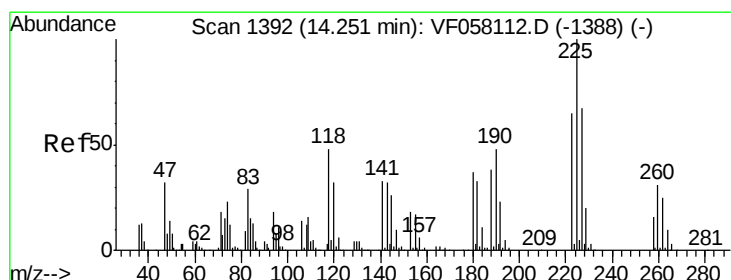
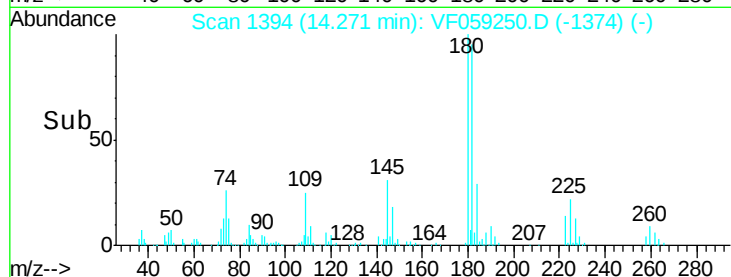
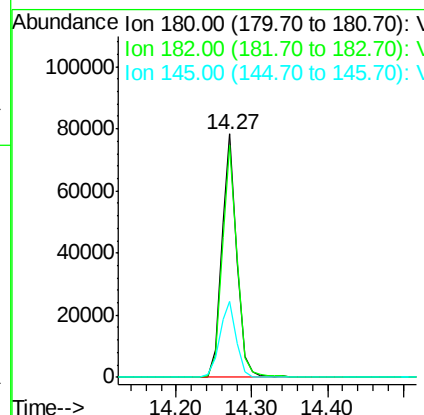
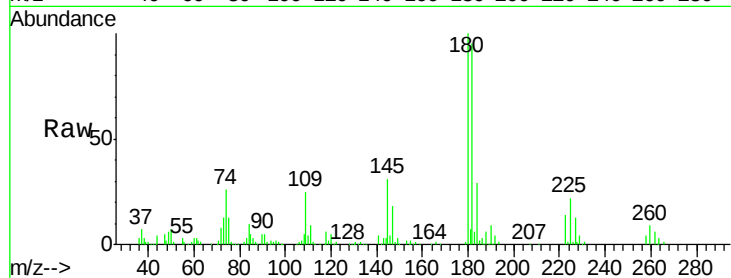
#93
 1,2,4-Trichlorobenzene
 Concen: 22.19 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110431		
182	95.1	49.3	147.9	
145	31.0	14.9	44.9	

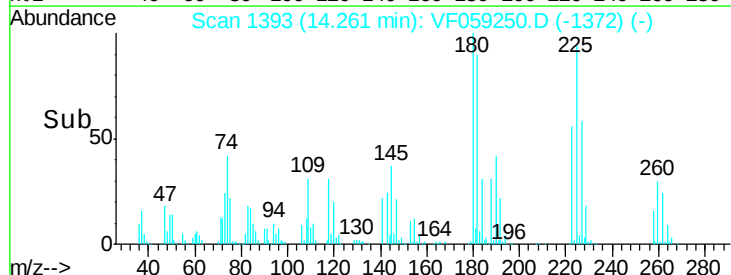
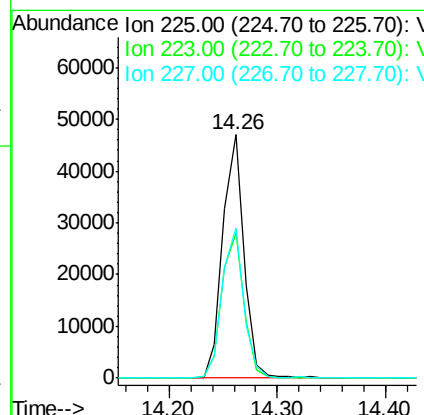
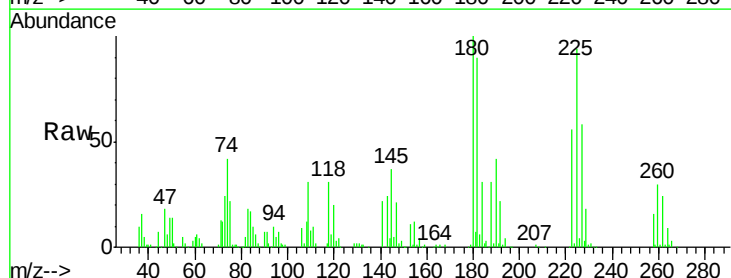
Manual Integrations
 APPROVED

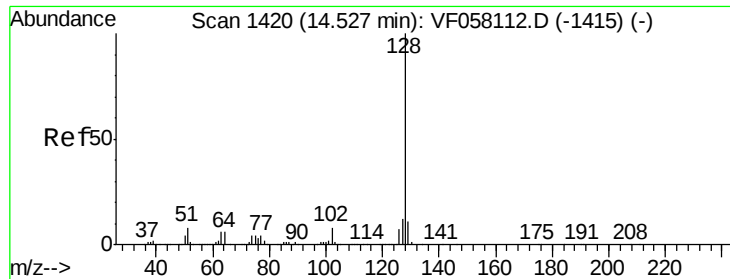
apatel
 6/21/2018 9:46:40 AM



#94
 Hexachlorobutadiene
 Concen: 22.31 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059250.D
 Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64240		
223	59.5	32.8	98.3	
227	61.8	33.3	99.9	





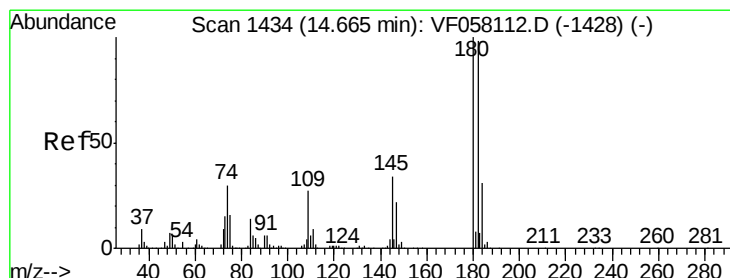
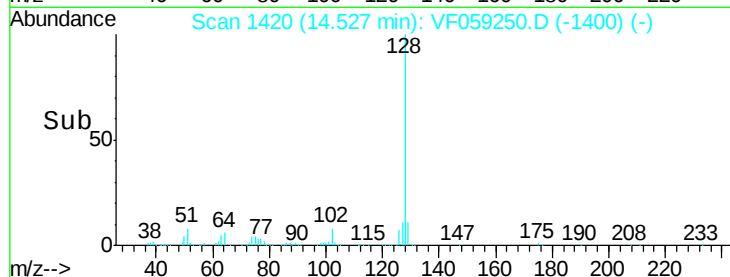
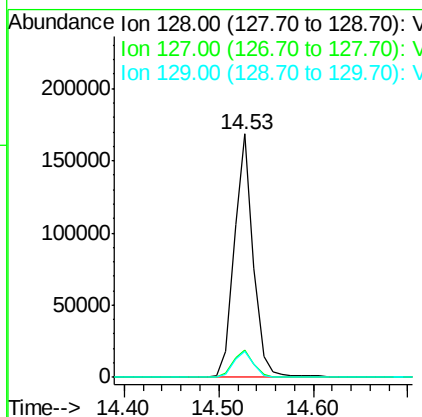
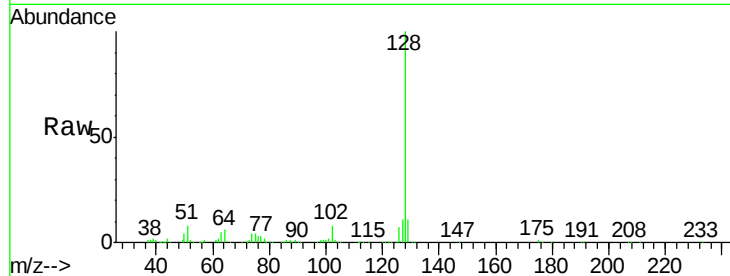
#95
Naphthalene
Concen: 21.99 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.2	9.9	14.9
129	10.8	8.7	13.1

Manual Integrations
APPROVED

apatel
6/21/2018 9:46:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.01 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059250.D
Acq: 21 Jun 2018 4:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.9	146.6
145	29.1	17.3	51.7

