

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060209.D
 Acq On : 7 Sep 2018 14:39
 Operator : VA/AP
 Sample : VF0907SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0907SBS01

Manual Integrations
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 9/10/2018 3:31:49 PM

Quant Time: Sep 08 00:57:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	158368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	226883	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	239623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	152276	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	4.30	113	114318	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	7.72	98	271448	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	11.51	95	158769	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	66265	21.95	ug/l	98
3) Chloromethane	1.07	50	36706m	23.06	ug/l	
4) Vinyl Chloride	1.12	62	25266	20.59	ug/l	98
5) Bromomethane	1.32	94	23602	21.47	ug/l	97
6) Chloroethane	1.40	64	17152	21.83	ug/l	95
7) Trichlorofluoromethane	1.49	101	68067	19.89	ug/l	90
8) Diethyl Ether	1.70	74	10696	21.14	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.86	101	35291	21.09	ug/l	95
10) Methyl Iodide	1.93	142	30082	19.96	ug/l	91
11) Tert butyl alcohol	2.70	59	14930	106.94	ug/l #	67
12) 1,1-Dichloroethene	1.83	96	20972	18.43	ug/l #	83
13) Acrolein	2.10	56	8261	135.37	ug/l	91
14) Allyl chloride	2.20	41	32883	19.26	ug/l	94
15) Acrylonitrile	3.08	53	24882	118.30	ug/l	97
16) Acetone	2.34	43	88174	123.12	ug/l	95
17) Carbon Disulfide	1.84	76	69637	20.99	ug/l	99
18) Methyl Acetate	2.46	43	22896	24.49	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	84896	22.54	ug/l	99
20) Methylene Chloride	2.28	84	32459	18.38	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	24329	20.89	ug/l	93
22) Diisopropyl ether	2.93	45	87650	20.49	ug/l	92
23) Vinyl Acetate	3.34	43	201354	124.20	ug/l	97
24) 1,1-Dichloroethane	3.00	63	58705	21.10	ug/l	100
25) 2-Butanone	4.52	43	97325	125.16	ug/l	99
26) 2,2-Dichloropropane	3.76	77	80159	21.94	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	31290	20.58	ug/l	89
28) Bromochloromethane	3.89	49	21866	23.07	ug/l	87
29) Tetrahydrofuran	4.27	42	32116	124.93	ug/l	95
30) Chloroform	4.05	83	83282	20.43	ug/l	99
31) Cyclohexane	3.86	56	39479	20.74	ug/l	92
32) 1,1,1-Trichloroethane	4.28	97	85791	21.12	ug/l	94
36) 1,1-Dichloropropene	4.46	75	52530	19.67	ug/l	92
37) Ethyl Acetate	4.30	43	35522	24.90	ug/l #	71
38) Carbon Tetrachloride	4.17	117	75484	20.56	ug/l	92

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 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	44128	19.73	ug/l	90
40) Benzene	4.82	78	99754	20.97	ug/l	92
41) Methacrylonitrile	4.94	41	16349	23.54	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	72913	21.21	ug/l	98
43) Isopropyl Acetate	7.12	43	36722	23.64	ug/l #	97
44) Trichloroethene	5.68	130	39237	20.36	ug/l	95
45) 1,2-Dichloropropane	6.41	63	28921	21.39	ug/l	97
46) Dibromomethane	6.26	93	26341	22.12	ug/l	91
47) Bromodichloromethane	6.55	83	67148	20.78	ug/l #	96
48) Methyl methacrylate	6.88	41	27521	22.30	ug/l	98
49) 1,4-Dioxane	6.92	88	2175	119.97	ug/l #	68
51) 4-Methyl-2-Pentanone	8.41	43	169340	122.71	ug/l	97
52) Toluene	7.79	92	71871	19.51	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	63091	23.23	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	60190	21.35	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	28400	20.96	ug/l	95
56) Ethyl methacrylate	8.77	69	37927	24.48	ug/l	88
57) 1,3-Dichloropropane	9.01	76	53356	22.14	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.79	63	15763	94.61	ug/l	100
59) 2-Hexanone	9.64	43	135624	130.84	ug/l	99
60) Dibromochloromethane	8.87	129	42989	19.15	ug/l	100
61) 1,2-Dibromoethane	9.14	107	36425	22.41	ug/l	88
64) Tetrachloroethene	8.31	164	49361	17.40	ug/l	95
65) Chlorobenzene	9.94	112	105775	21.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	44605	20.29	ug/l	96
67) Ethyl Benzene	10.04	91	193290	20.89	ug/l	99
68) m/p-Xylenes	10.27	106	133698	43.06	ug/l	97
69) o-Xylene	10.83	106	71678	21.64	ug/l	93
70) Styrene	10.90	104	111787	22.27	ug/l	98
71) Bromoform	10.89	173	26597	20.96	ug/l #	96
73) Isopropylbenzene	11.23	105	224555	20.56	ug/l	100
74) N-amyl acetate	11.46	43	49859	25.52	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	39826	24.25	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	37864	21.76	ug/l	91
77) Bromobenzene	11.60	156	55851	19.53	ug/l	85
78) n-propylbenzene	11.69	91	269849	20.62	ug/l	95
79) 2-Chlorotoluene	11.82	91	162280	20.53	ug/l	94
80) 1,3,5-Trimethylbenzene	11.92	105	197665	20.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	7564m	20.20	ug/l	
82) 4-Chlorotoluene	11.99	91	175272	19.98	ug/l	93
83) tert-Butylbenzene	12.22	119	176804	20.13	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	210733	21.52	ug/l	96
85) sec-Butylbenzene	12.39	105	258242	21.31	ug/l	100
86) p-Isopropyltoluene	12.54	119	230239	21.39	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	112320	21.49	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	108882	21.05	ug/l	95
89) n-Butylbenzene	12.92	91	227650	21.87	ug/l	97
90) Hexachloroethane	13.00	117	43063	19.74	ug/l	84
91) 1,2-Dichlorobenzene	13.02	146	110126	22.19	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9546	22.78	ug/l	78

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ClientSampleId :
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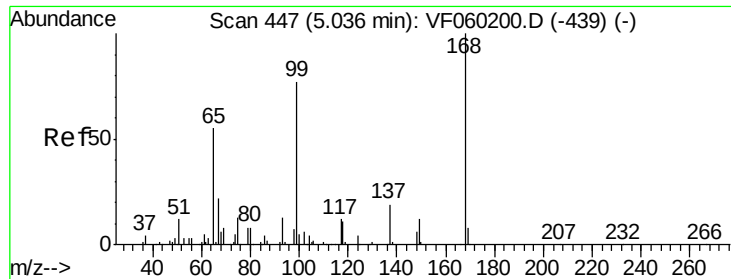
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	85696	22.35	ug/l	95
94) Hexachlorobutadiene	14.25	225	57063	20.88	ug/l	98
95) Naphthalene	14.53	128	122014	21.93	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	80645	22.40	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBSD01

Tot Ion:168 Resp: 158368

Ion Ratio Lower Upper

168 100

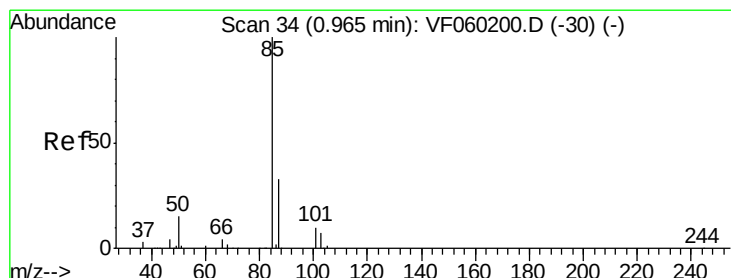
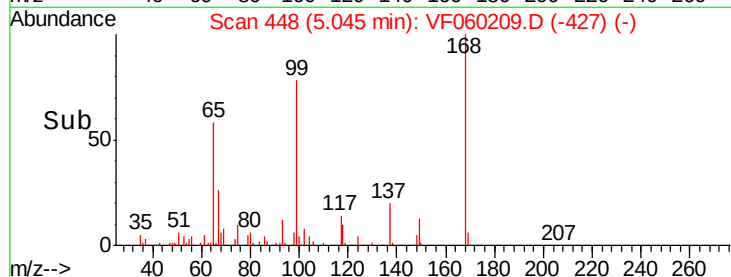
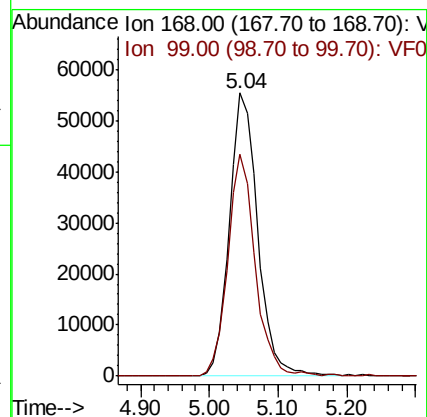
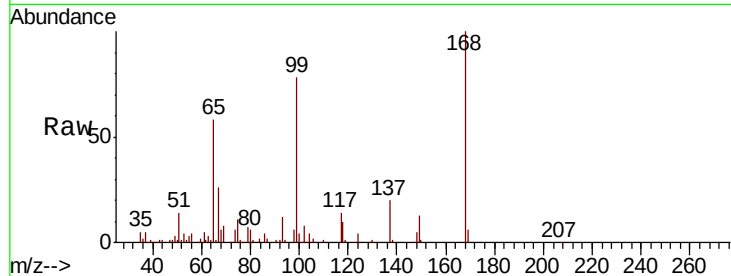
99 78.2 61.8 92.6

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#2

Dichlorodifluoromethane

Concen: 21.95 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF060209.D

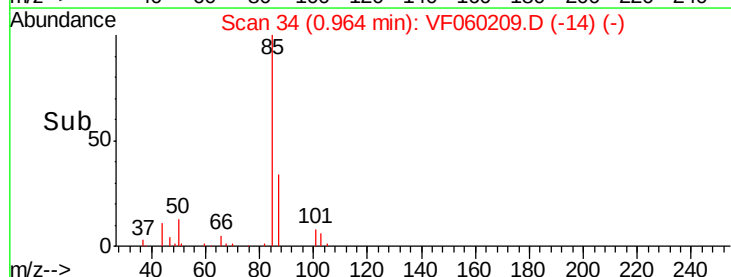
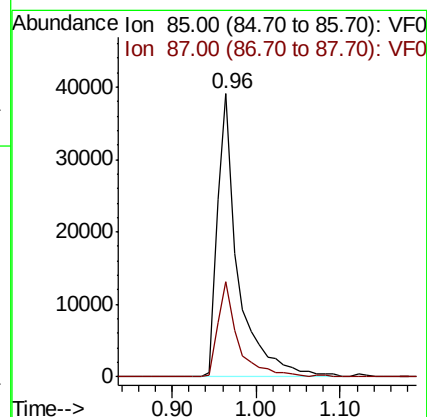
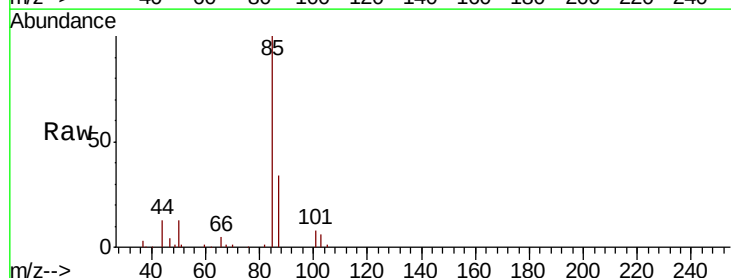
Acq: 7 Sep 2018 14:39

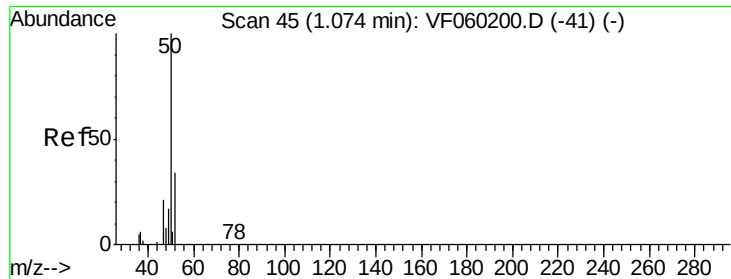
Tgt Ion: 85 Resp: 66265

Ion Ratio Lower Upper

85 100

87 33.6 16.3 48.9





#3

Chloromethane

Concen: 23.06 ug/l m

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBSD01

Tot Ion: 50 Resp: 36706

Ion Ratio Lower Upper

50 100

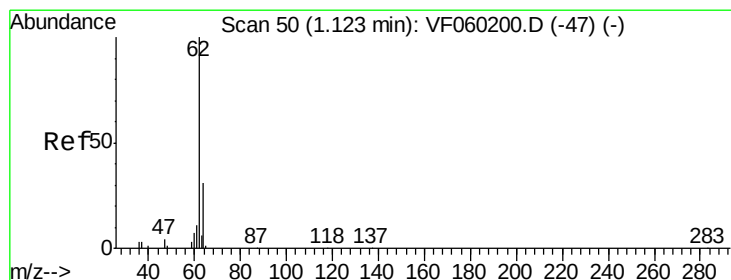
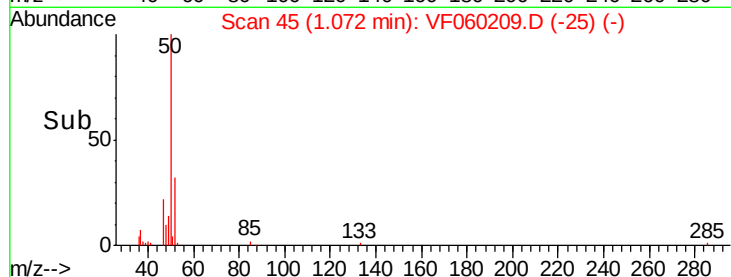
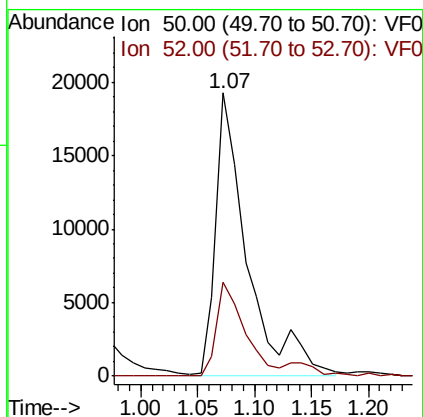
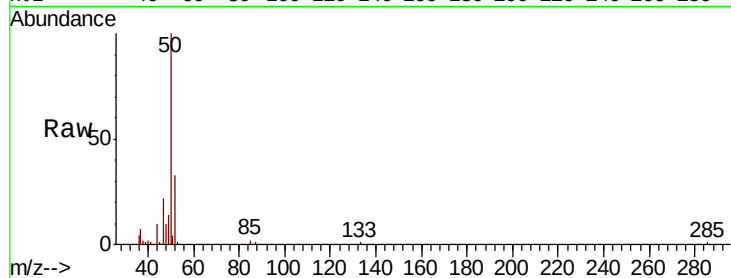
52 33.1 26.9 40.3

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#4

Vinyl Chloride

Concen: 20.59 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060209.D

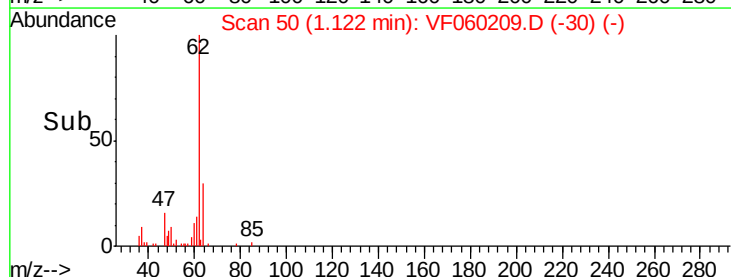
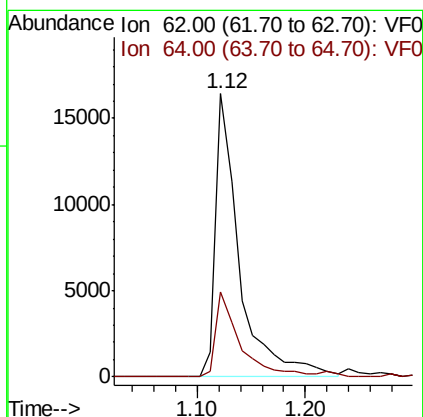
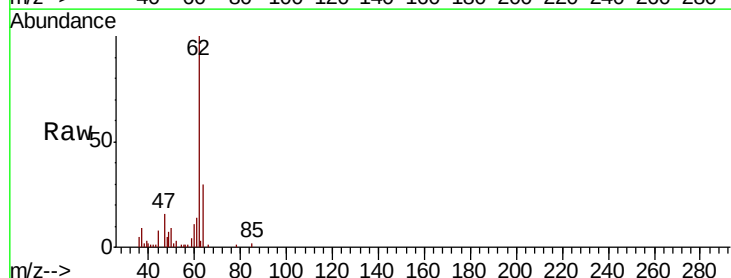
Acq: 7 Sep 2018 14:39

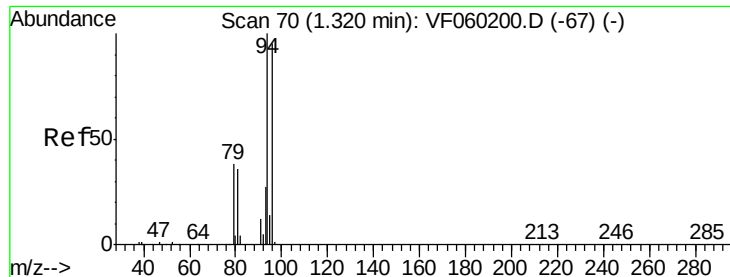
Tgt Ion: 62 Resp: 25266

Ion Ratio Lower Upper

62 100

64 30.0 24.8 37.2





#5

Bromomethane

Concen: 21.47 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBSD01

Tot Ion: 94 Resp: 23602

Ion Ratio Lower Upper

94 100

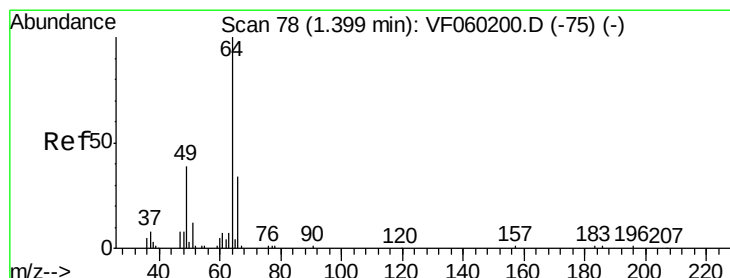
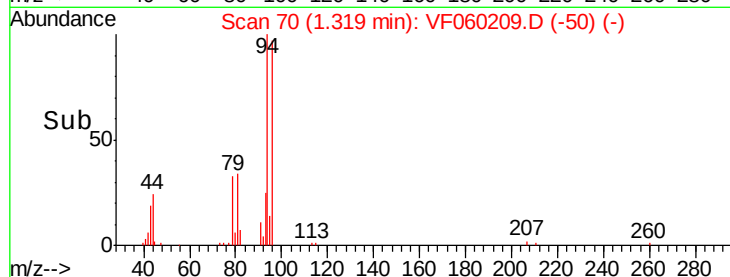
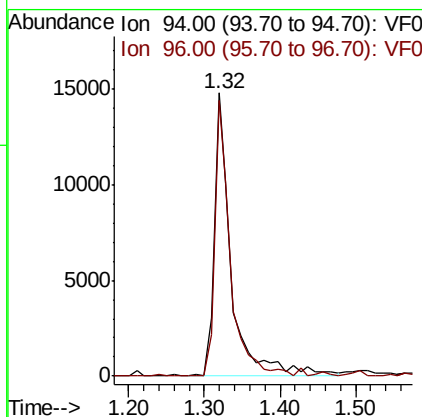
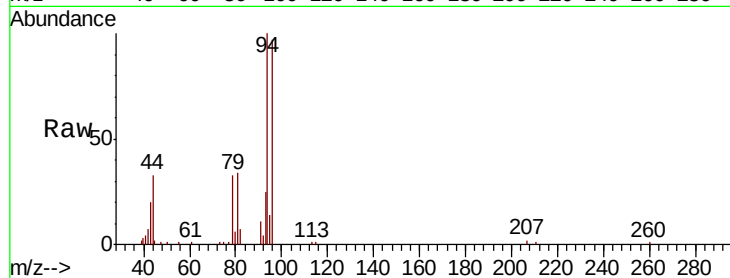
96 97.3 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 21.83 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF060209.D

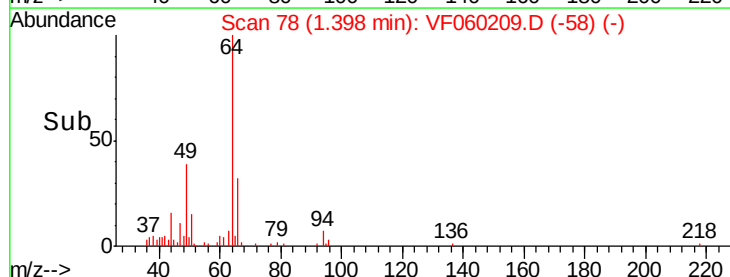
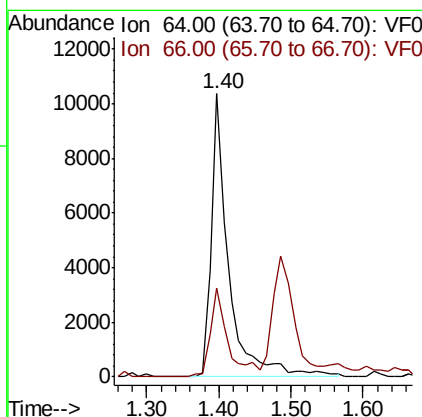
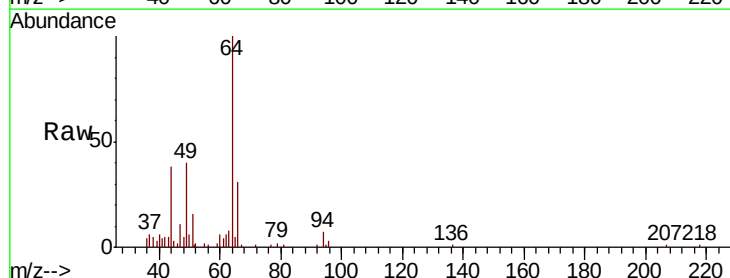
Acq: 7 Sep 2018 14:39

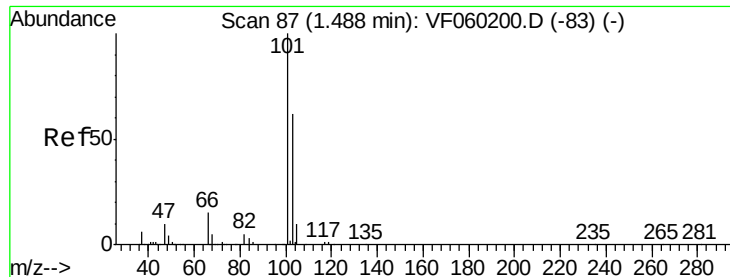
Tgt Ion: 64 Resp: 17152

Ion Ratio Lower Upper

64 100

66 31.3 27.1 40.7





#7

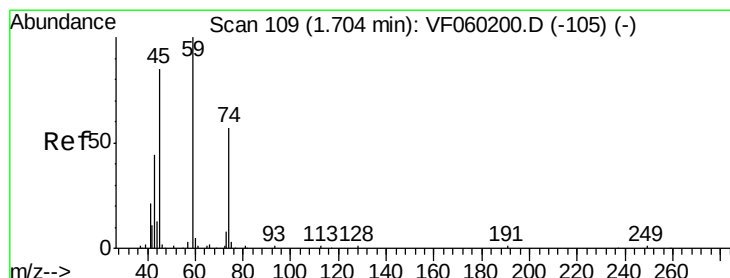
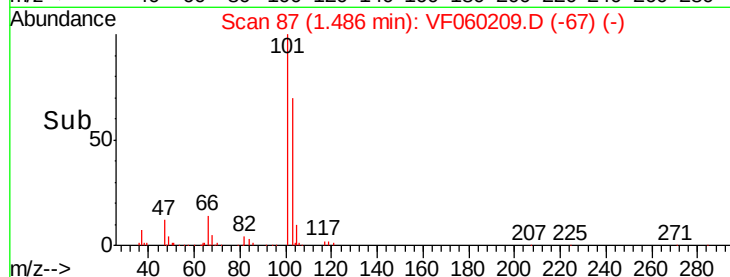
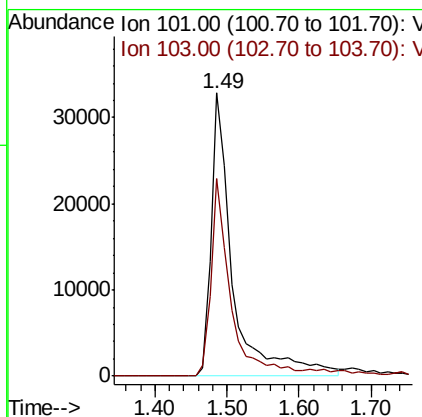
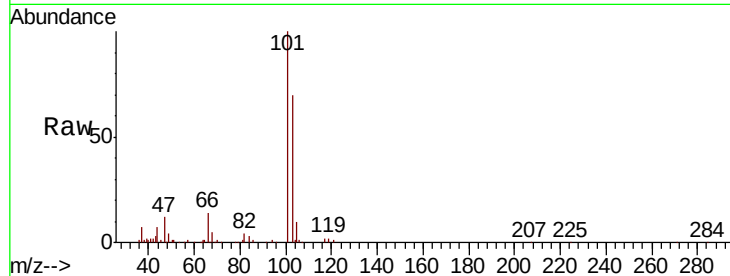
Trichlorofluoromethane
 Concen: 19.89 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Instrument :
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 ClientSampleId :
 VF0907SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.7	49.5	74.3

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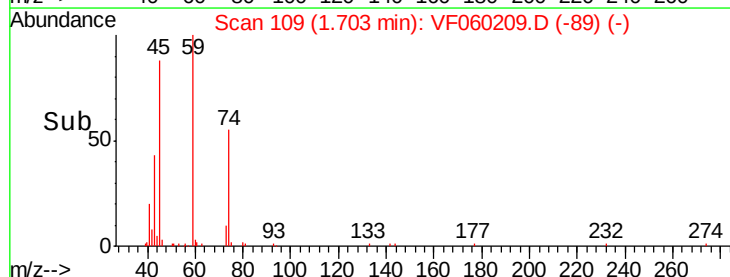
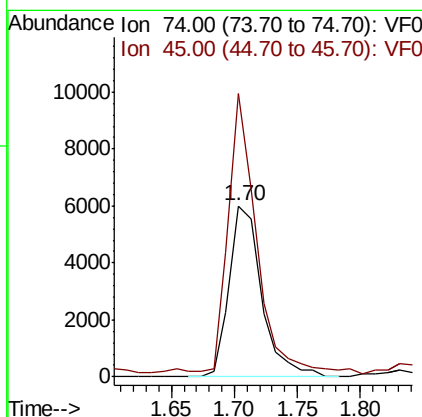
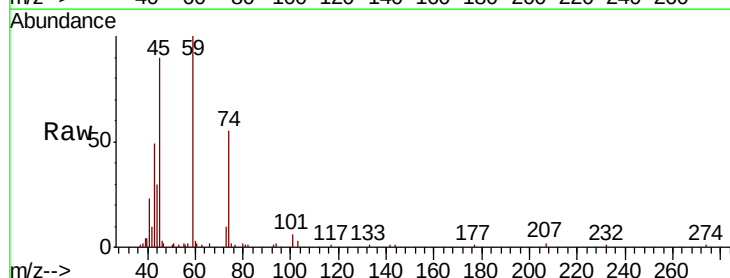
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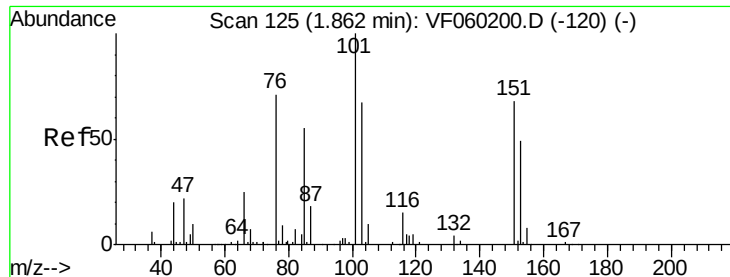


#8

Diethyl Ether
 Concen: 21.14 ug/l
 RT: 1.70 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	165.2	75.3	225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.09 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

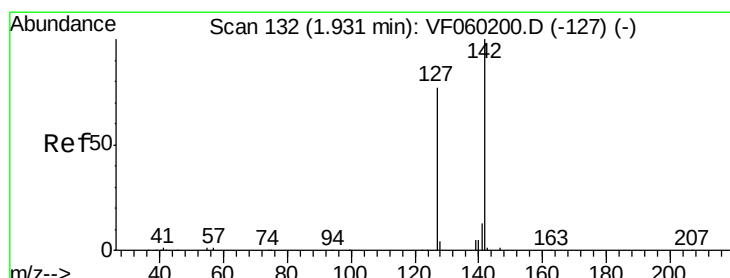
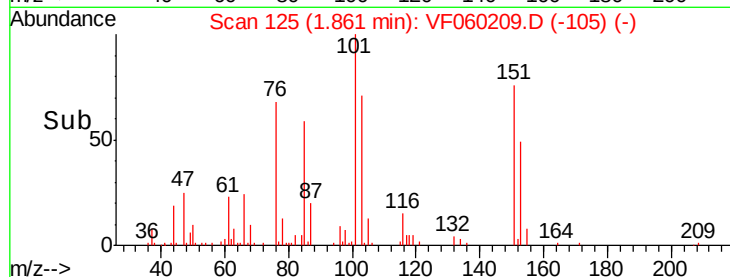
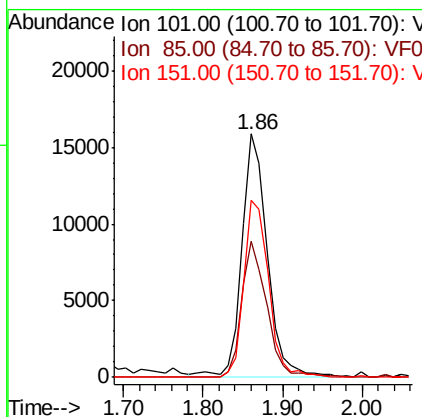
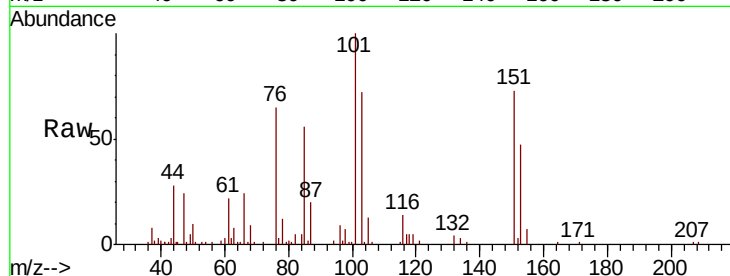
ClientSampleId :

VF0907SBSD01

Tot Ion:	101	Resp:	35291
Ion Ratio	Lower	Upper	
101	100		
85	55.9	43.0	64.4
151	72.8	53.6	80.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.96 ug/l

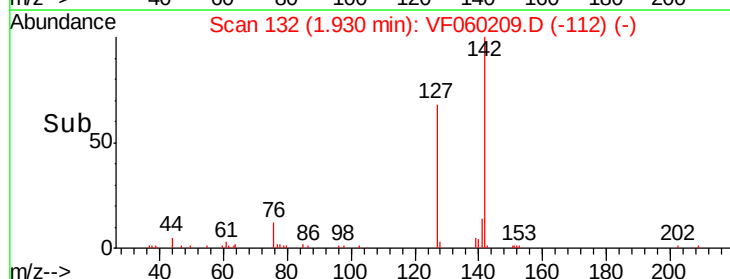
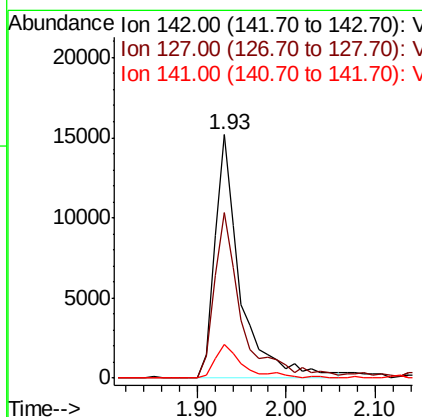
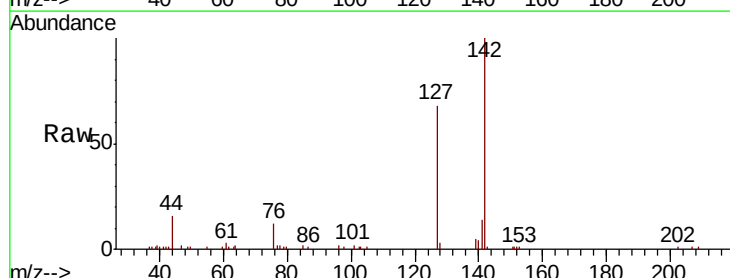
RT: 1.93 min Scan# 132

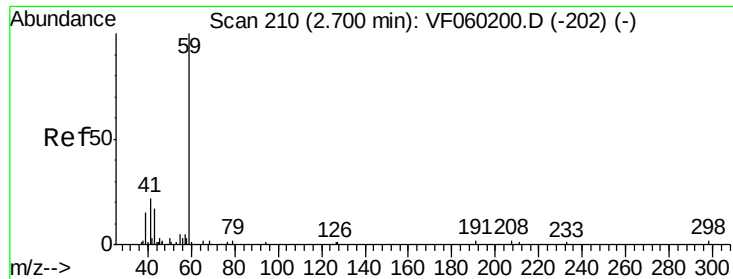
Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	142	Resp:	30082
Ion Ratio	Lower	Upper	
142	100		
127	67.3	61.1	91.7
141	14.0	10.6	15.8





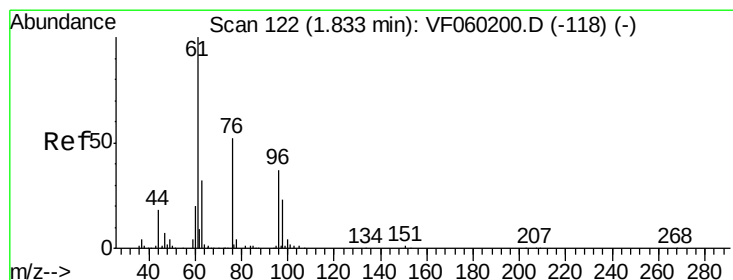
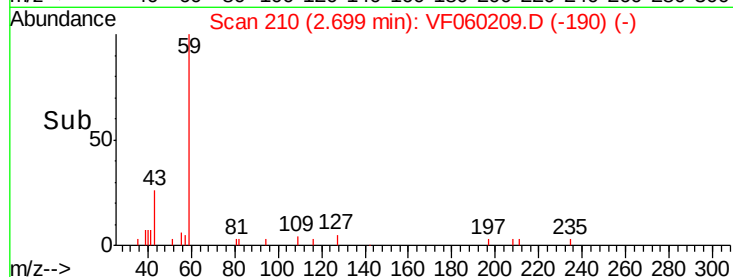
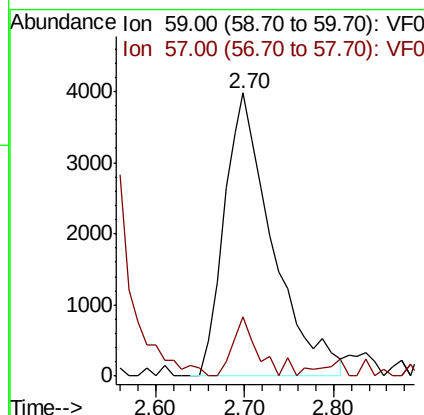
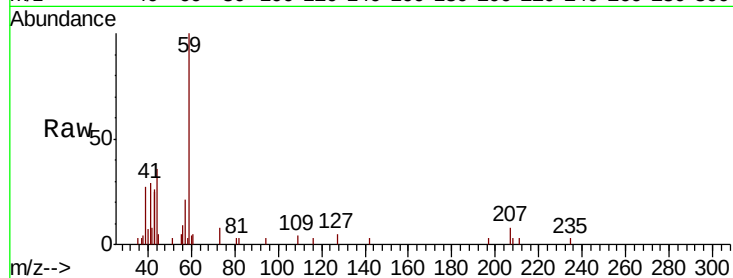
#11
Tert butyl alcohol
Concen: 106.94 ug/l
RT: 2.70 min Scan# 210
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBS01

Tot Ion	59	Resp	14930
Ion Ratio	59	100	
Lower	57	21.1	7.2
Upper			10.8#

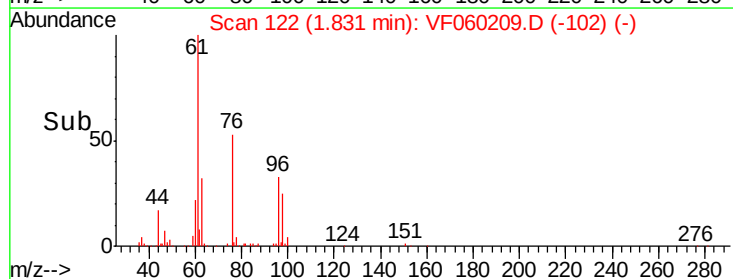
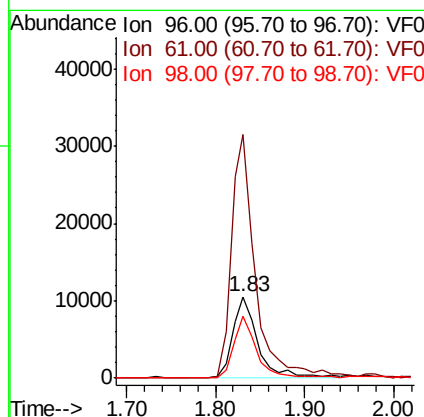
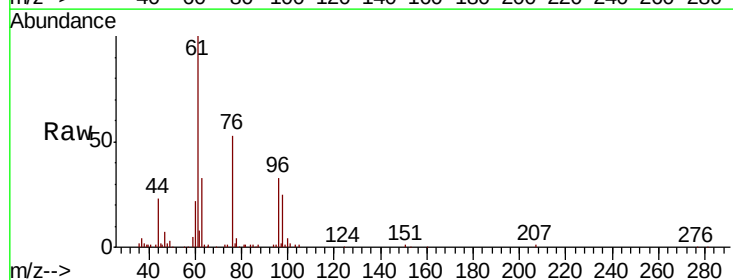
Manual Integrations
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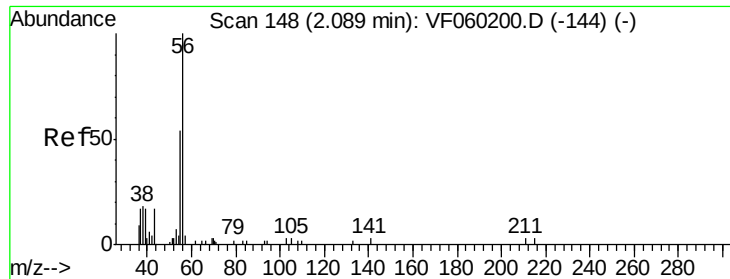
apatel
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#12
1,1-Dichloroethene
Concen: 18.43 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	96	Resp	20972
Ion Ratio	96	100	
Lower	61	300.1	214.6
Upper	98	76.4	50.7





#13

Acrolein

Concen: 135.37 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBSD01

Tot Ion: 56 Resp: 8261

Ion Ratio Lower Upper

56 100

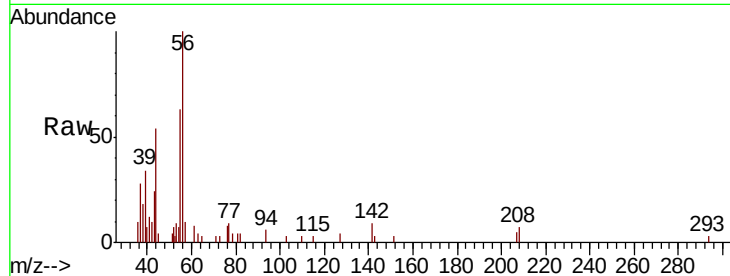
55 63.2 45.1 67.7

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.10

4000

3000

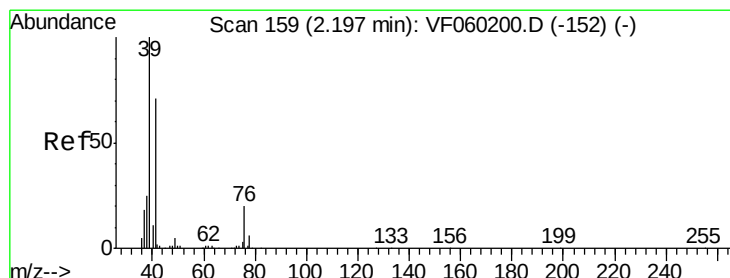
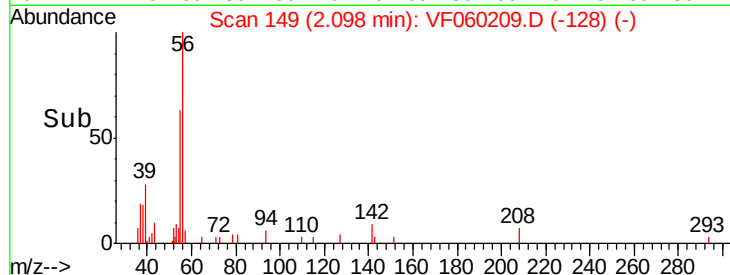
2000

1000

0

2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 19.26 ug/l

RT: 2.20 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

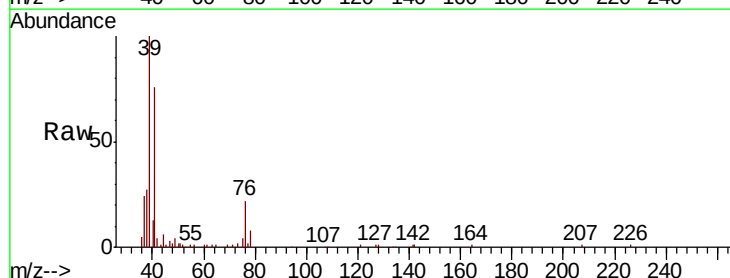
Tgt Ion: 41 Resp: 32883

Ion Ratio Lower Upper

41 100

39 131.6 112.2 168.2

76 28.8 23.2 34.8



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

30000

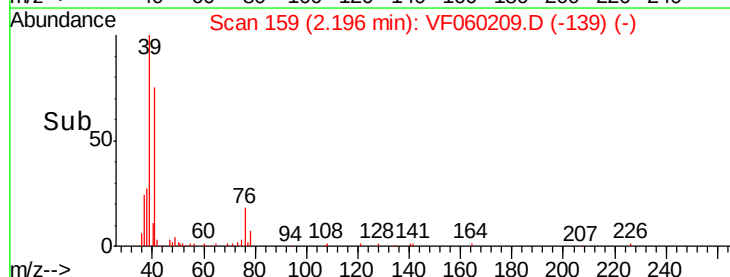
20000

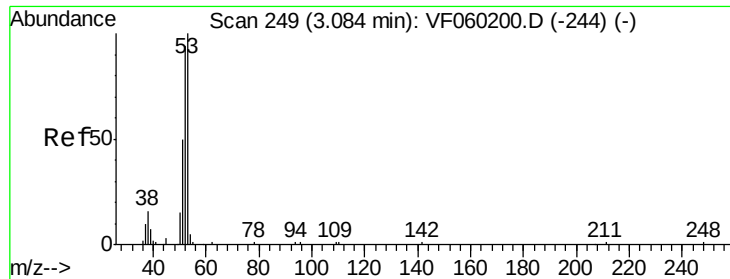
10000

0

2.10 2.20 2.30

Time-->





#15

Acrylonitrile

Concen: 118.30 ug/l

RT: 3.08 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

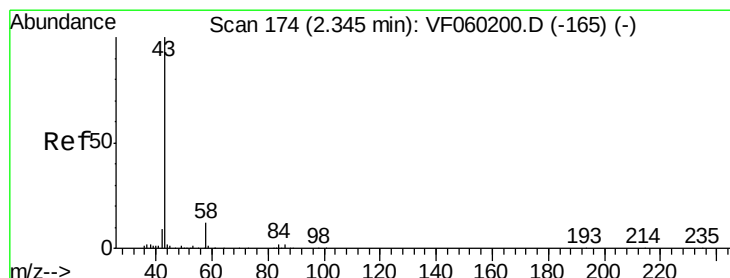
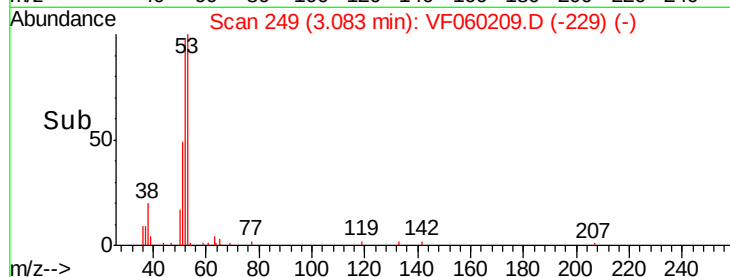
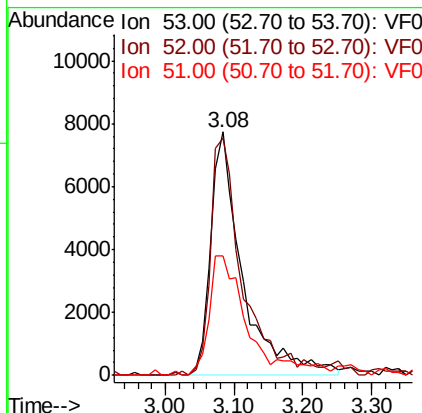
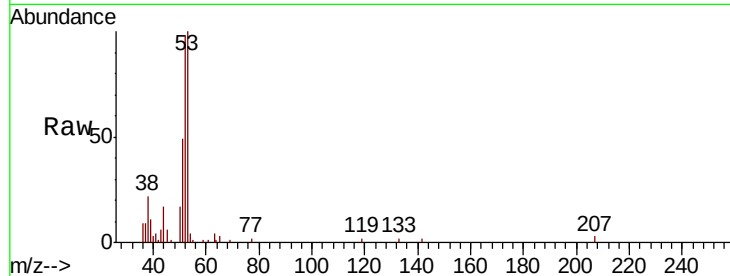
ClientSampleId :

VF0907SBS01

Tot Ion:	53	Resp:	24882
Ion	Ratio	Lower	Upper
53	100		
52	97.6	75.0	112.6
51	48.9	39.9	59.9

Manual Integrations
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#16

Acetone

Concen: 123.12 ug/l

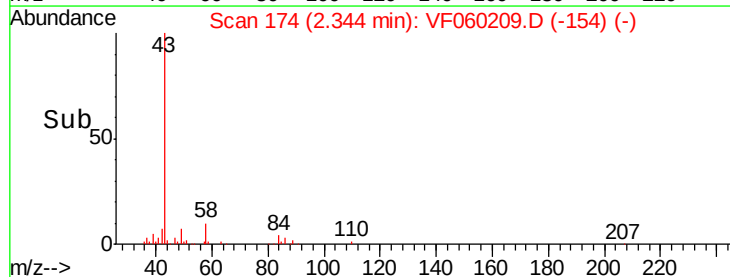
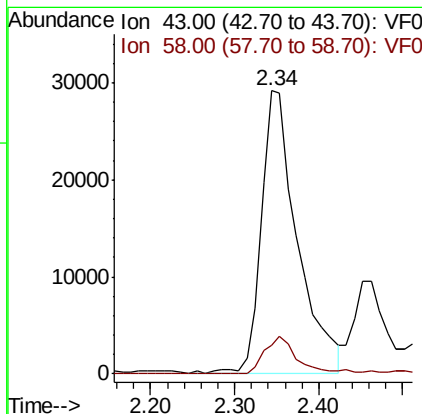
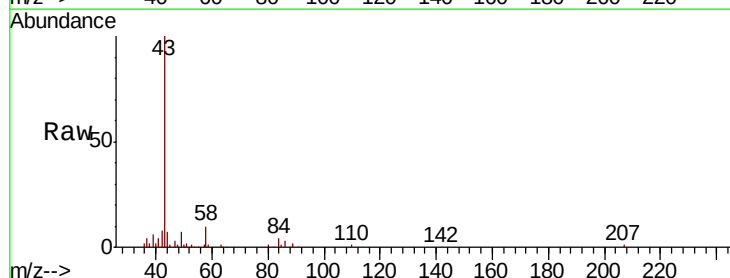
RT: 2.34 min Scan# 174

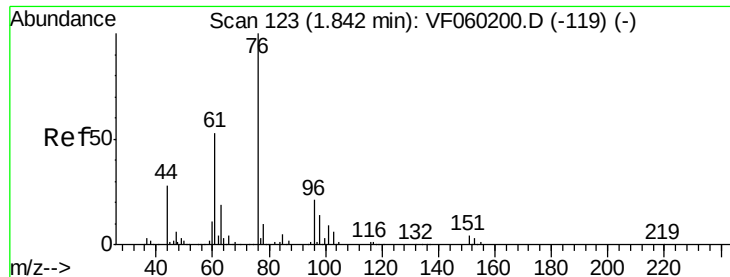
Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	43	Resp:	88174
Ion	Ratio	Lower	Upper
43	100		
58	10.2	9.7	14.5





#17

Carbon Disulfide

Concen: 20.99 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBSD01

Tot Ion: 76 Resp: 69637

Ion Ratio Lower Upper

76 100

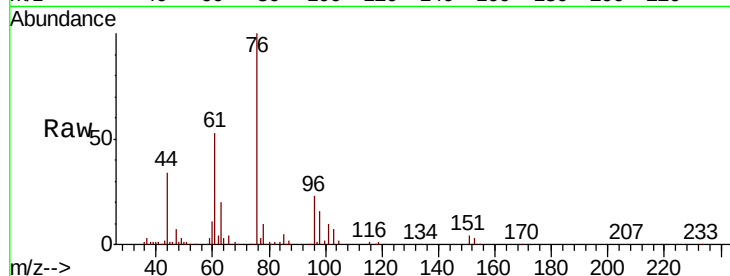
78 10.1 8.5 12.7

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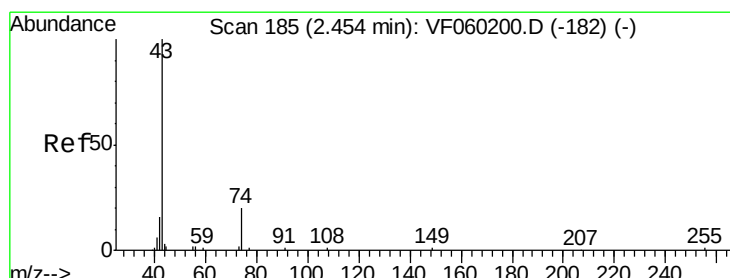
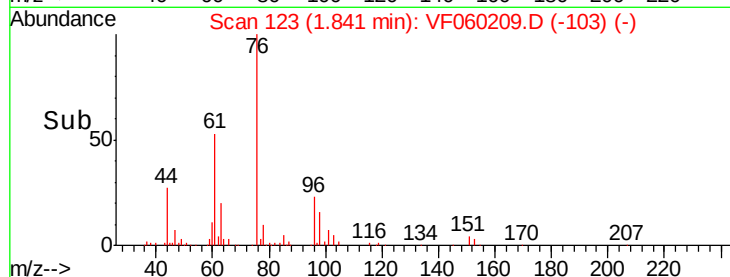
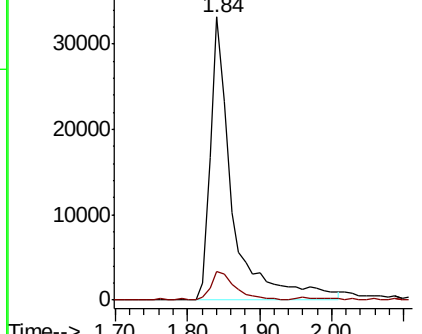
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 24.49 ug/l

RT: 2.46 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF060209.D

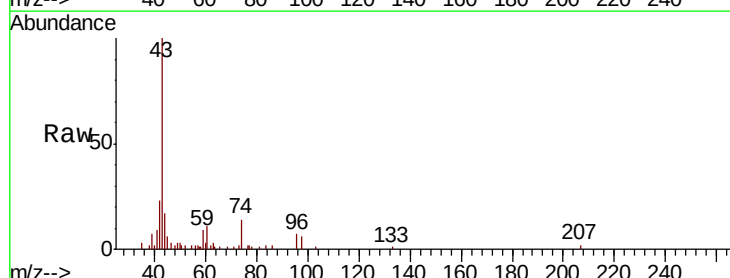
Acq: 7 Sep 2018 14:39

Tgt Ion: 43 Resp: 22896

Ion Ratio Lower Upper

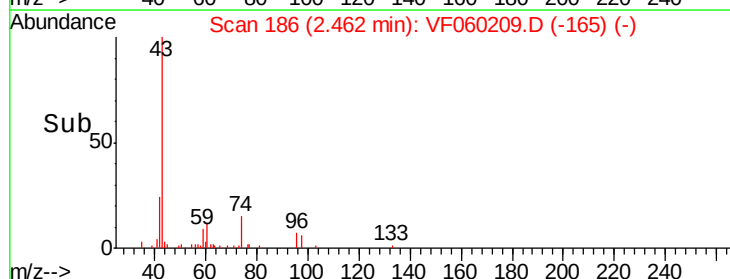
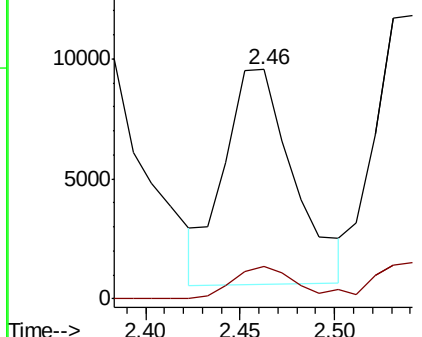
43 100

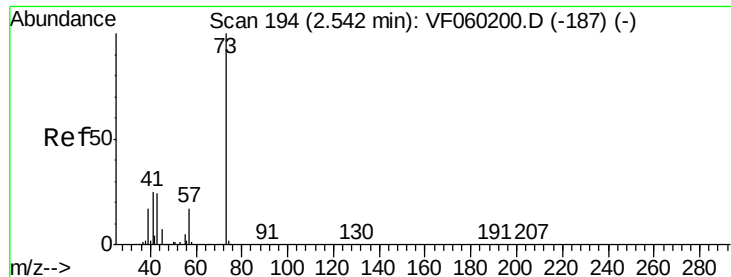
74 14.2 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

Methyl tert-butyl Ether

Concen: 22.54 ug/l

RT: 2.54 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tot Ion: 73 Resp: 84896

Ion Ratio Lower Upper

73 100

57 17.6 14.3 21.5

Instrument :

MSVOA_F

ClientSampled :

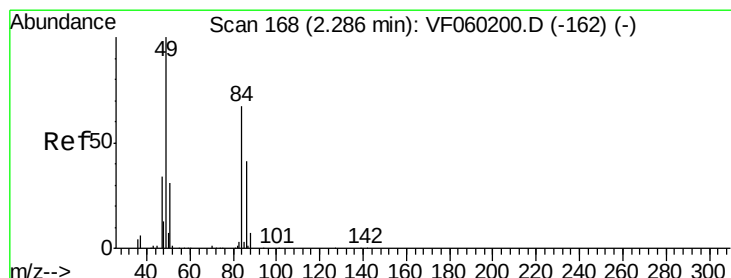
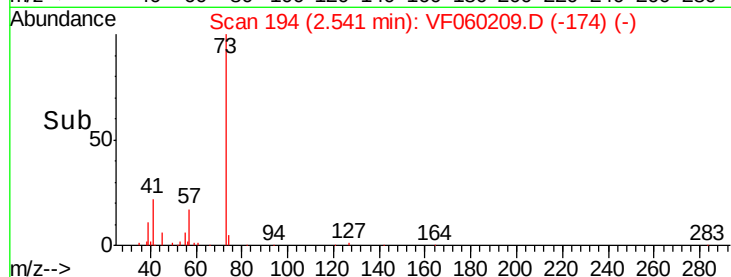
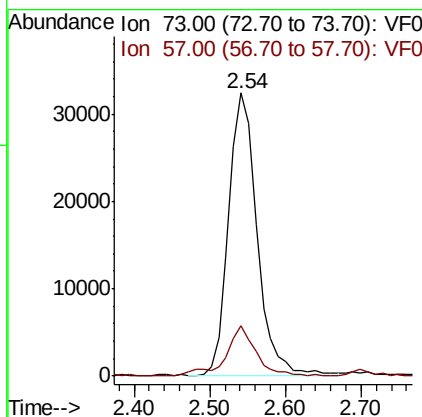
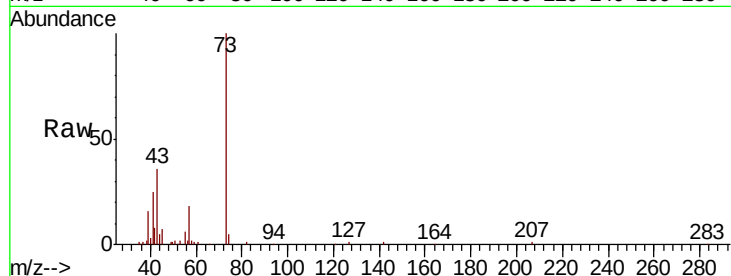
VF0907SBS01

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#20

Methylene Chloride

Concen: 18.38 ug/l

RT: 2.28 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion: 84 Resp: 32459

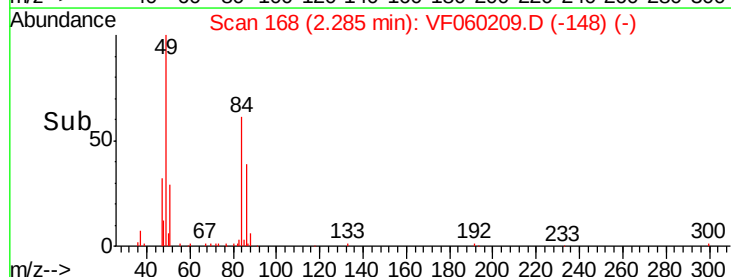
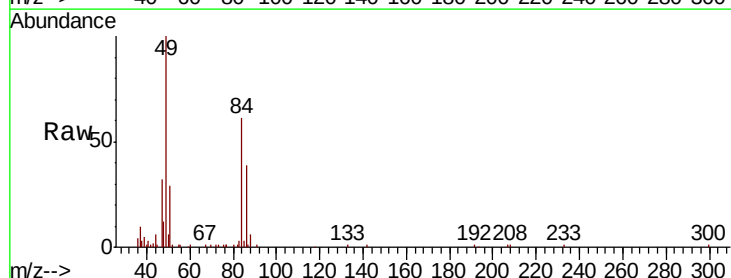
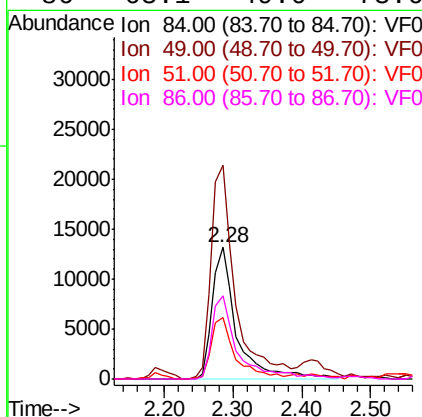
Ion Ratio Lower Upper

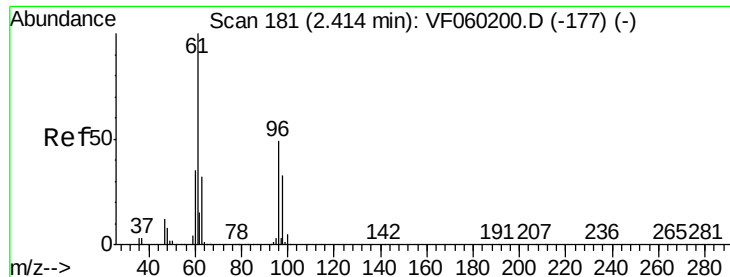
84 100

49 162.7 120.1 180.1

51 46.9 37.0 55.6

86 63.1 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 20.89 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

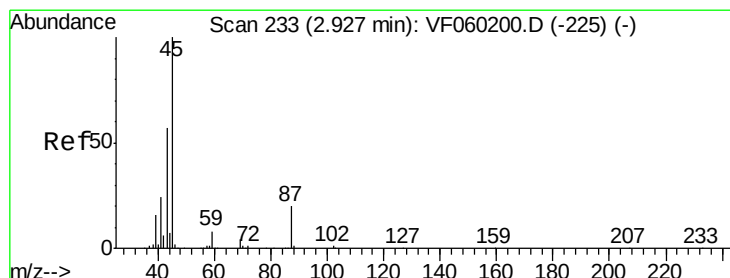
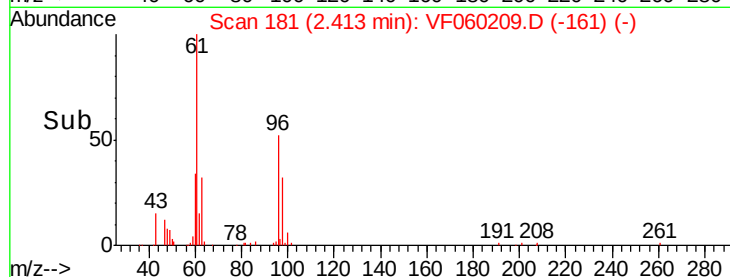
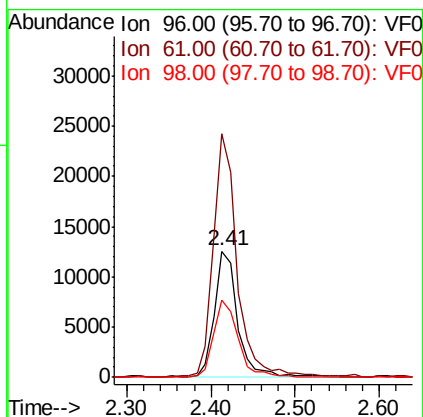
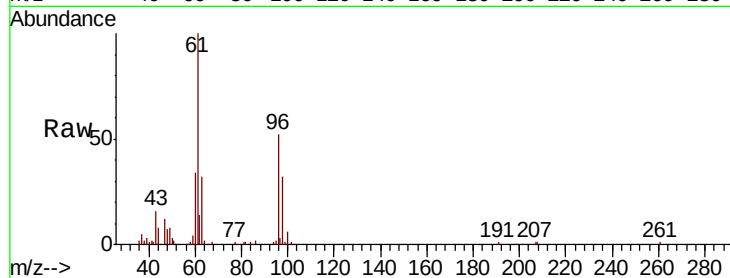
ClientSampleId :

VF0907SBSD01

Tot Ion:	96	Resp:	24329
Ion	Ratio	Lower	Upper
96	100		
61	193.1	163.1	244.7
98	63.1	54.1	81.1

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#22

Diisopropyl ether

Concen: 20.49 ug/l

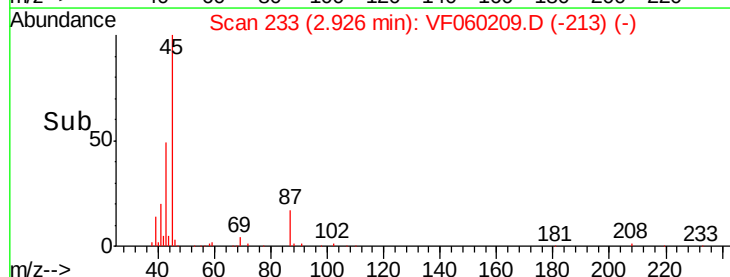
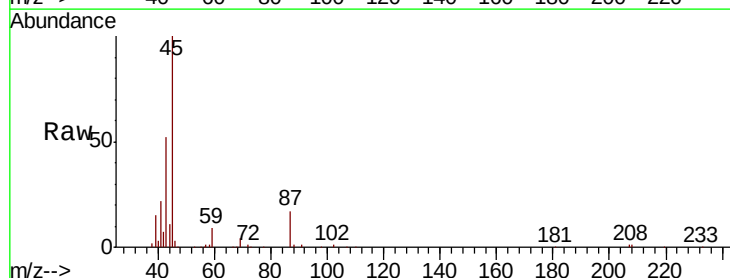
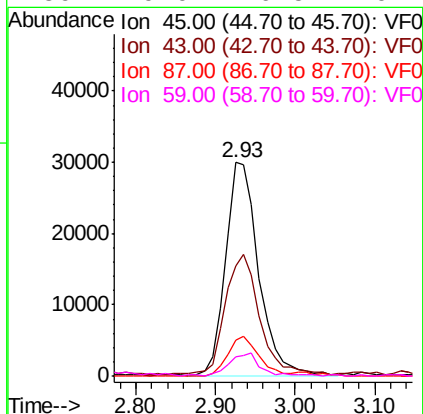
RT: 2.93 min Scan# 233

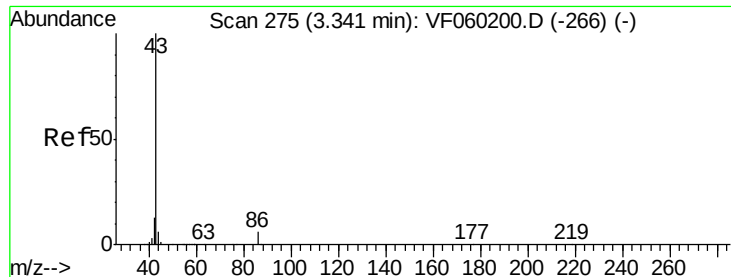
Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	45	Resp:	87650
Ion	Ratio	Lower	Upper
45	100		
43	51.6	46.2	69.4
87	16.6	16.1	24.1
59	9.0	6.5	9.7





#23

Vinyl Acetate

Concen: 124.20 ug/l

RT: 3.34 min Scan# 275

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBS01

Tot Ion: 43 Resp: 201354

Ion Ratio Lower Upper

43 100

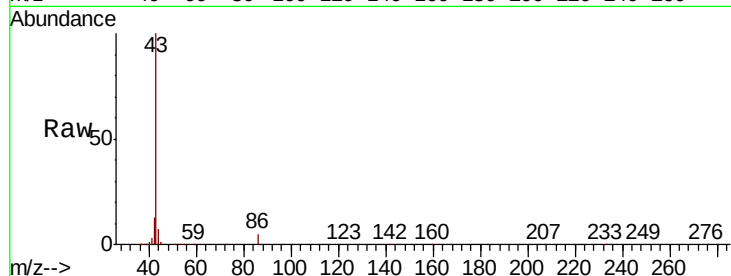
86 5.1 4.8 7.2

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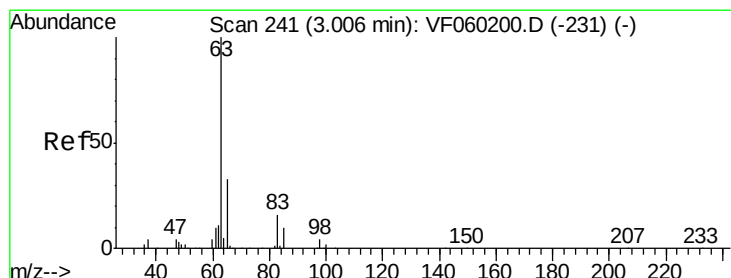
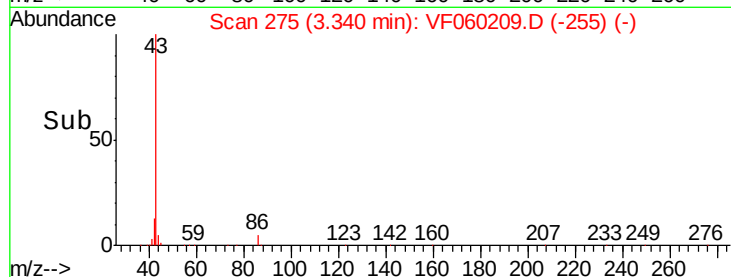
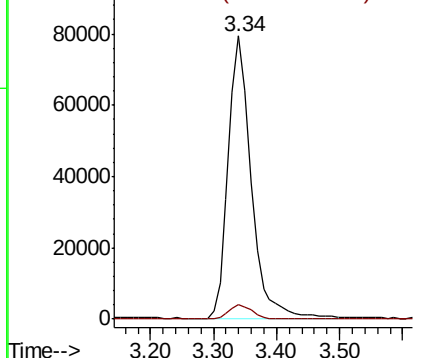
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.10 ug/l

RT: 3.00 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

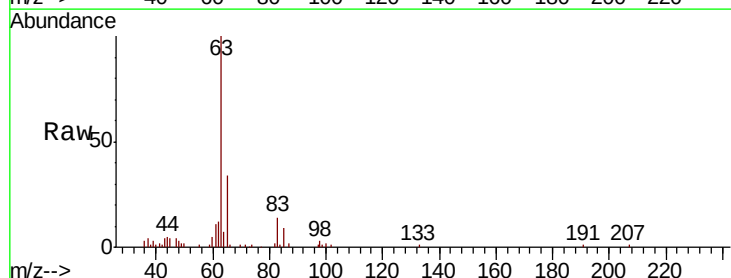
Tgt Ion: 63 Resp: 58705

Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

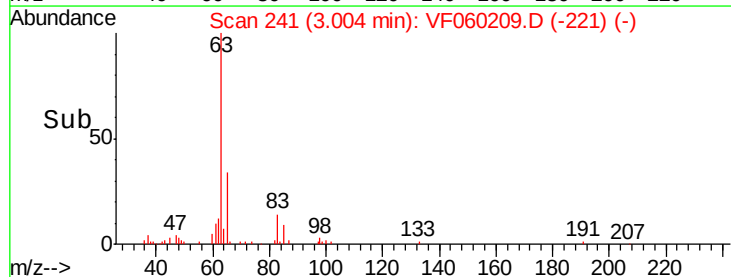
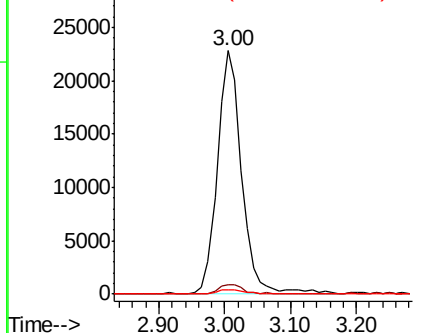
100 1.8 1.1 3.1

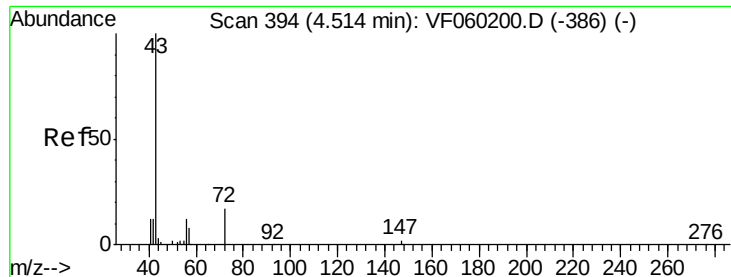


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 125.16 ug/l

RT: 4.52 min Scan# 395

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBSD01

Tot Ion: 43 Resp: 97325

Ion Ratio Lower Upper

43 100

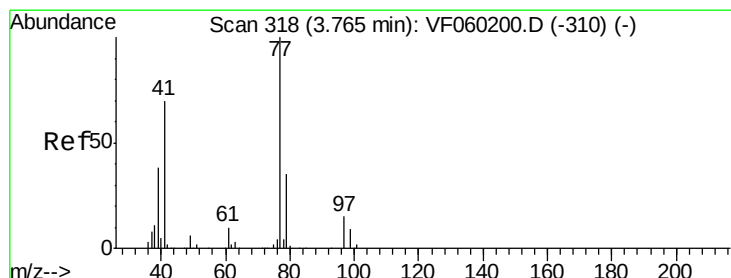
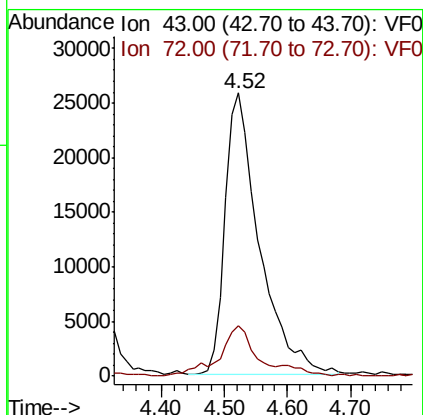
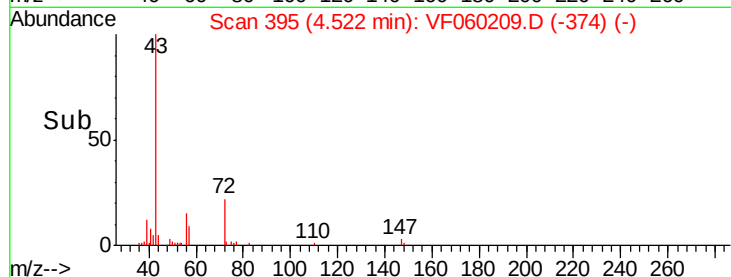
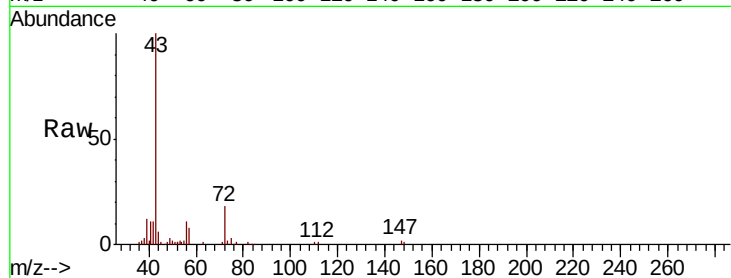
72 17.9 14.8 22.2

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#26

2,2-Dichloropropane

Concen: 21.94 ug/l

RT: 3.76 min Scan# 318

Delta R.T. -0.00 min

Lab File: VF060209.D

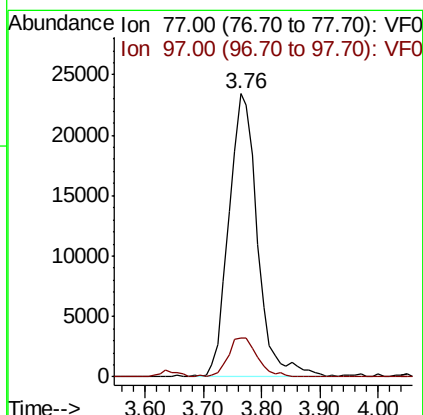
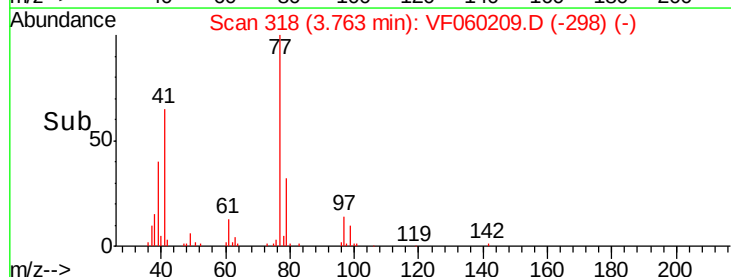
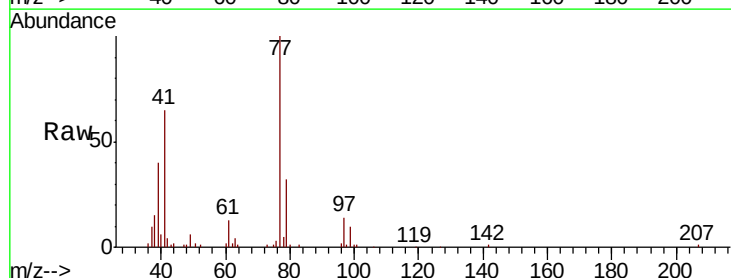
Acq: 7 Sep 2018 14:39

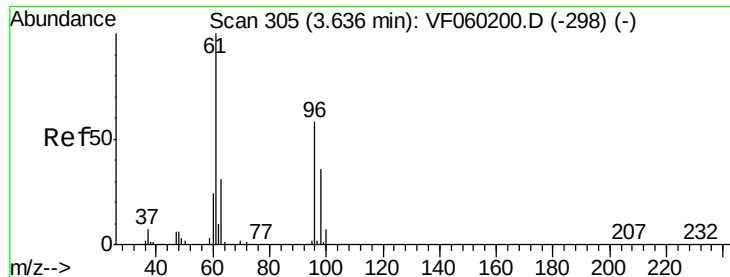
Tgt Ion: 77 Resp: 80159

Ion Ratio Lower Upper

77 100

97 15.0 7.5 22.5





#27

cis-1,2-Dichloroethene

Concen: 20.58 ug/l

RT: 3.64 min Scan# 305

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

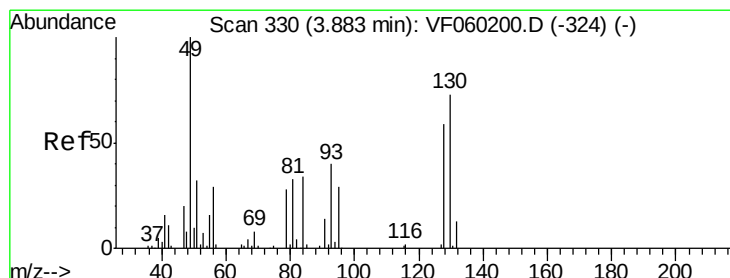
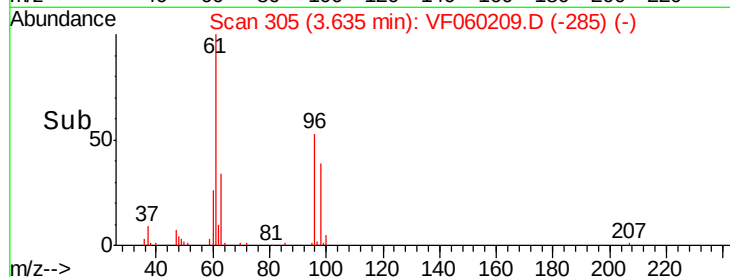
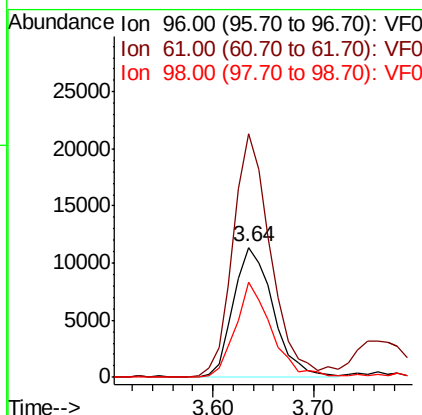
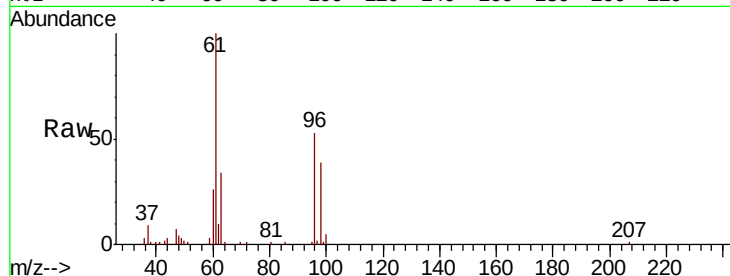
ClientSampleId :

VF0907SBS01

Tot Ion:	96	Resp:	31290
Ion	Ratio	Lower	Upper
96	100		
61	187.2	0.0	345.2
98	72.8	0.0	124.6

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#28

Bromochloromethane

Concen: 23.07 ug/l

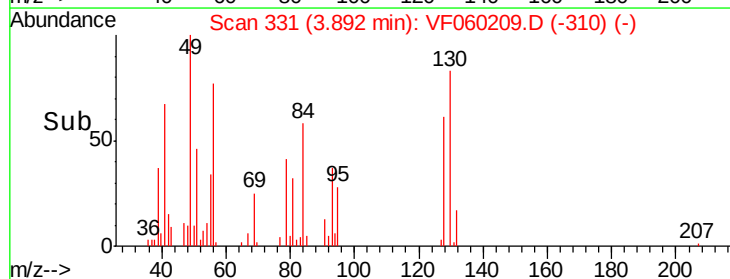
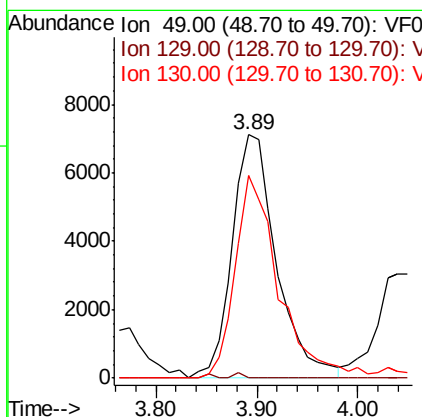
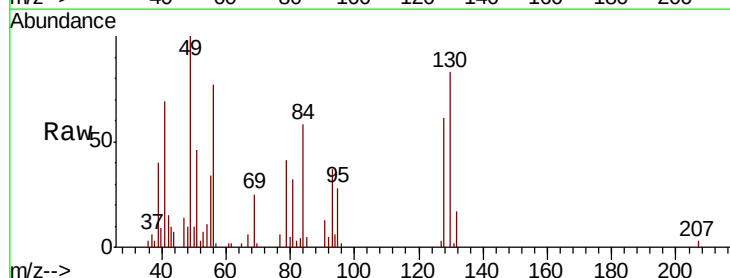
RT: 3.89 min Scan# 331

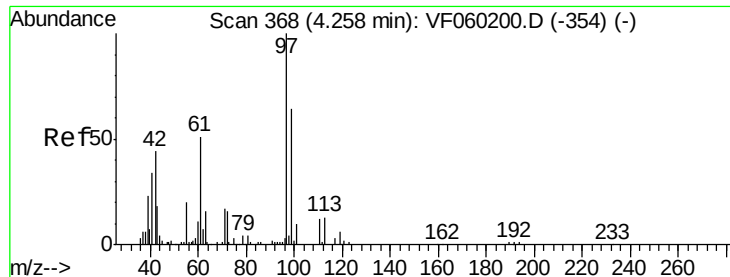
Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	49	Resp:	21866
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	83.3	57.8	86.6





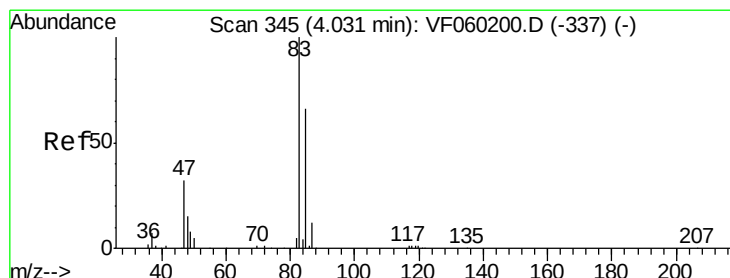
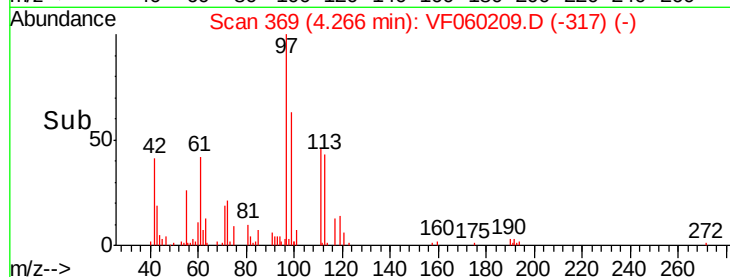
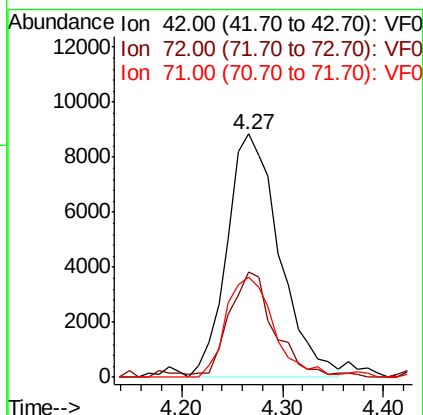
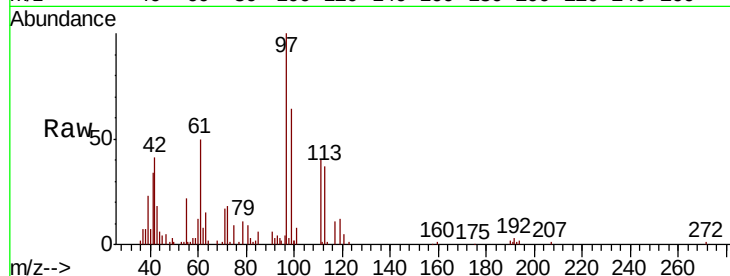
#29
Tetrahydrofuran
Concen: 124.93 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	27.4	41.0
71	37.7	28.5	42.7

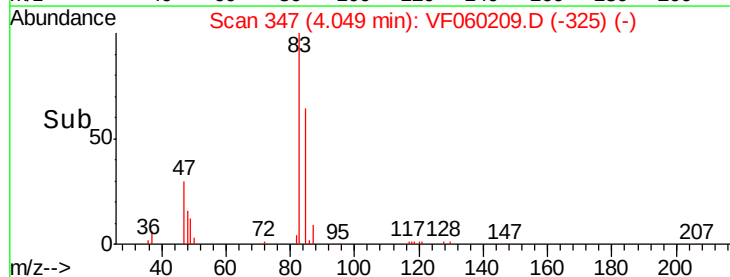
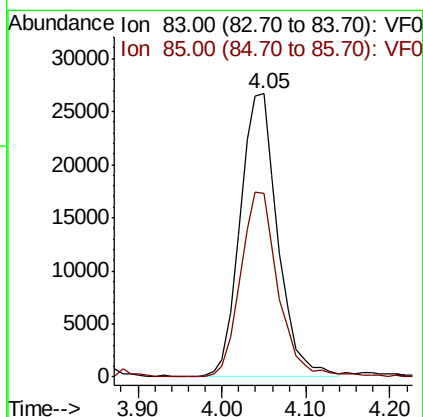
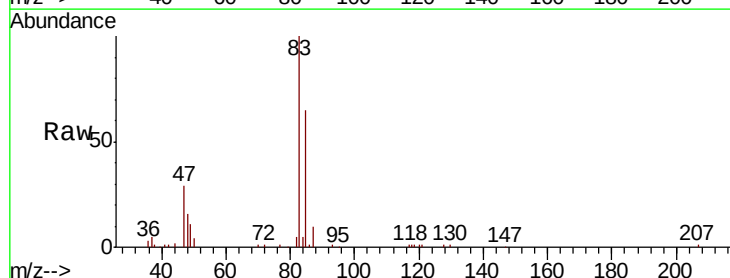
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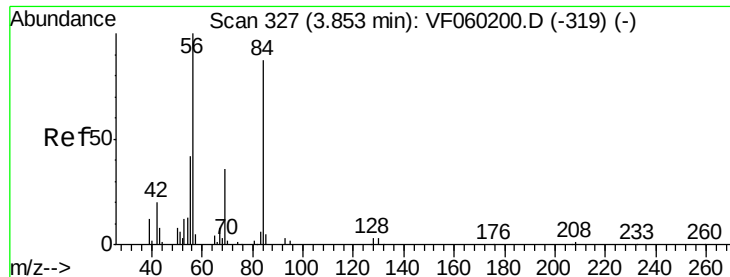
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#30
Chloroform
Concen: 20.43 ug/l
RT: 4.05 min Scan# 347
Delta R.T. 0.02 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	79.0





#31

Cyclohexane

Concen: 20.74 ug/l

RT: 3.86 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

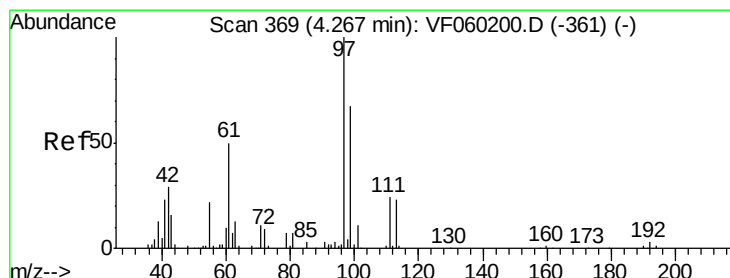
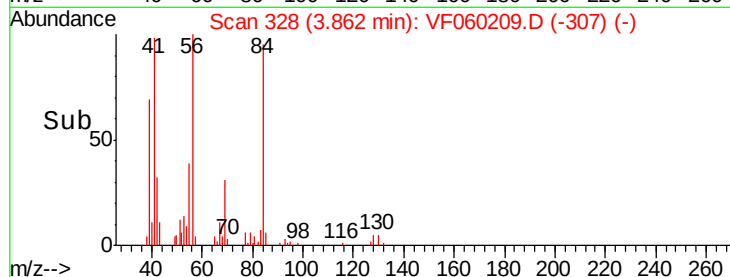
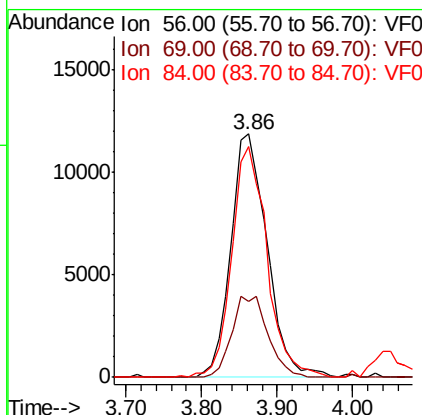
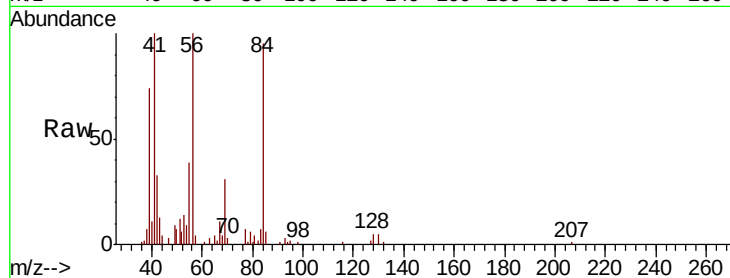
ClientSampleId :

VF0907SBS01

Tot Ion:	56	Resp:	39479
Ion	Ratio	Lower	Upper
56	100		
69	31.1	28.7	43.1
84	94.8	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.12 ug/l

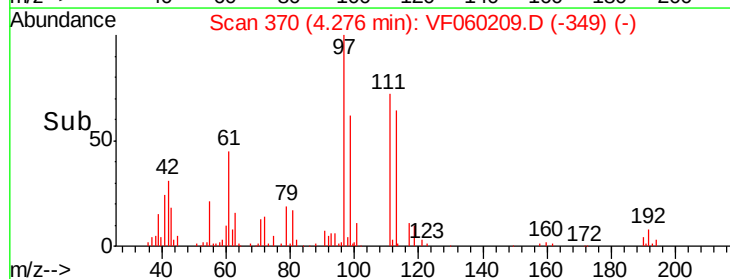
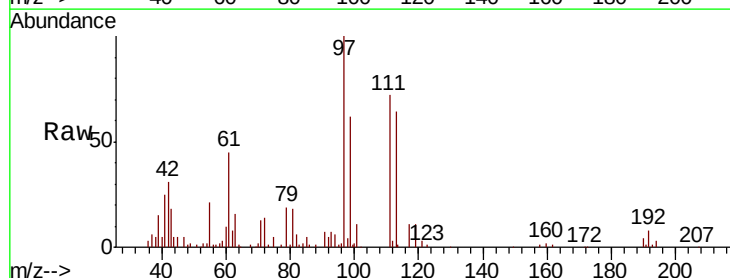
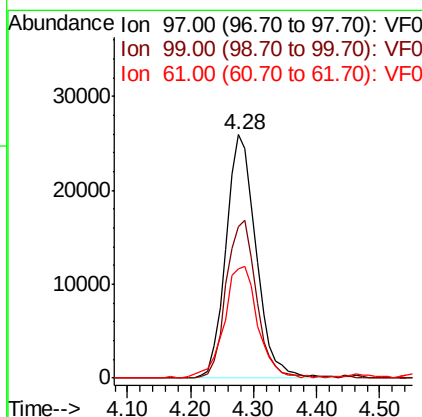
RT: 4.28 min Scan# 370

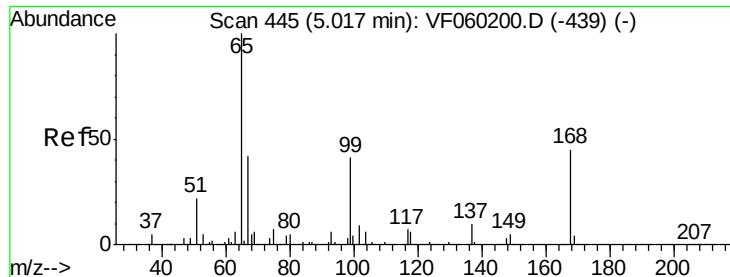
Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	97	Resp:	85791
Ion	Ratio	Lower	Upper
97	100		
99	63.8	53.5	80.3
61	44.9	40.4	60.6





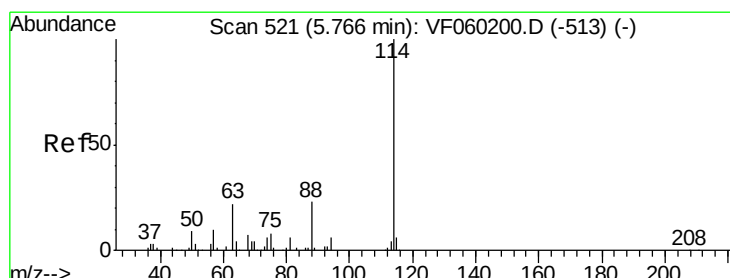
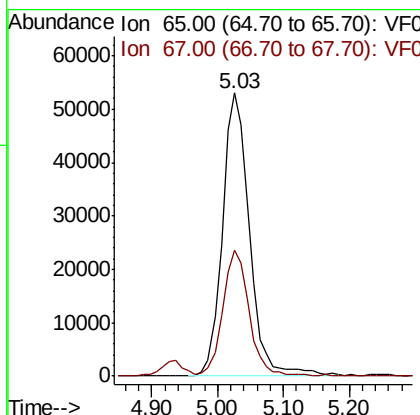
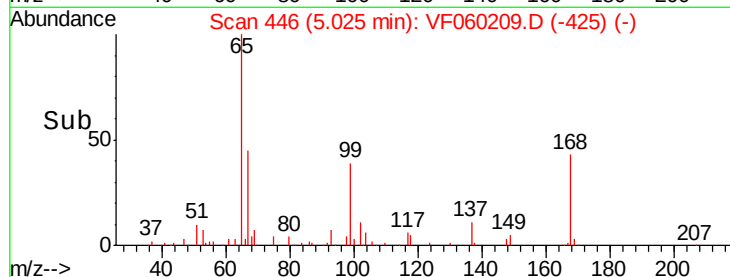
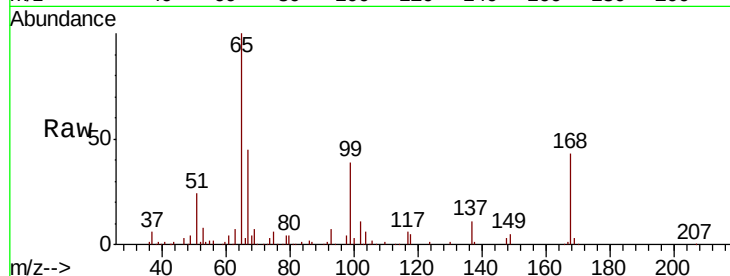
#33
 1,2-Dichloroethane-d4
 Concen: 55.04 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. 0.01 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152276		
67	44.7	0.0	87.2	

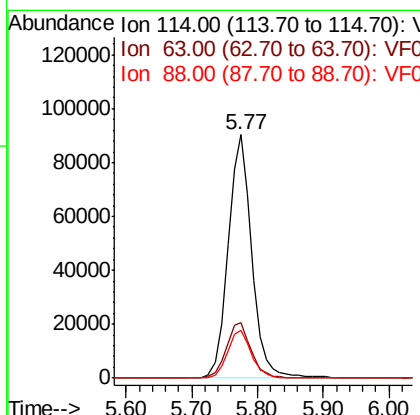
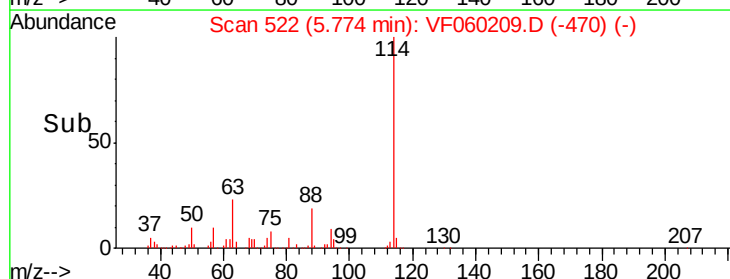
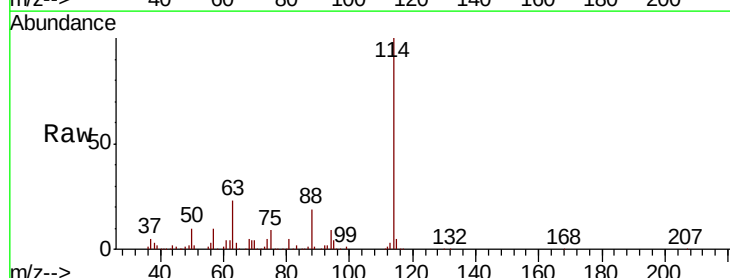
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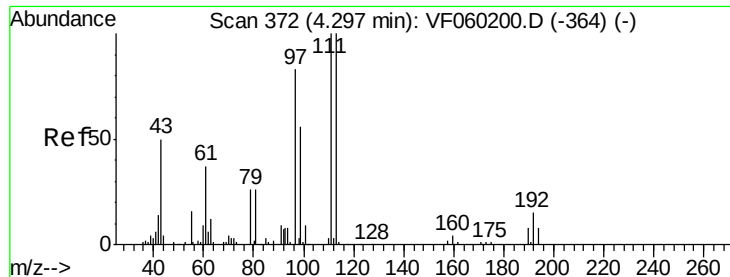
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	226883		
63	22.7	0.0	45.6	
88	19.4	0.0	46.4	





#35

Dibromofluoromethane

Concen: 51.43 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

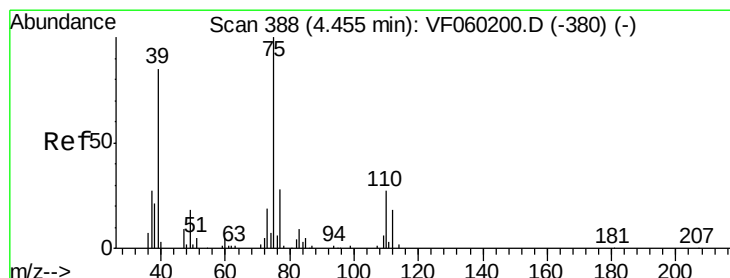
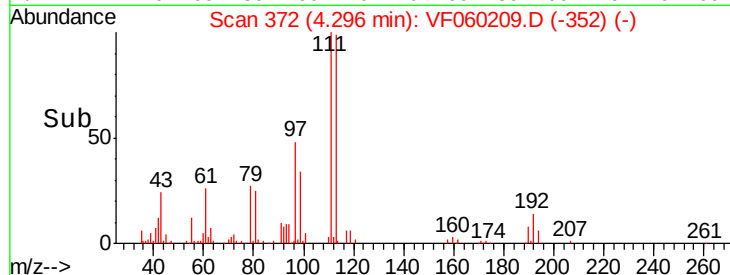
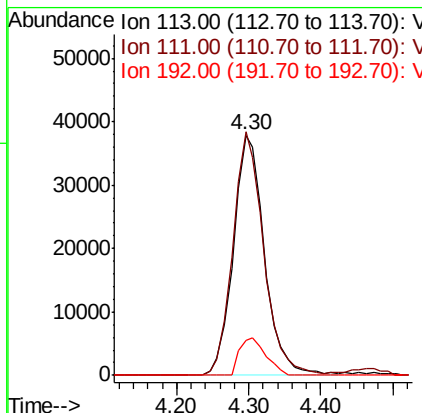
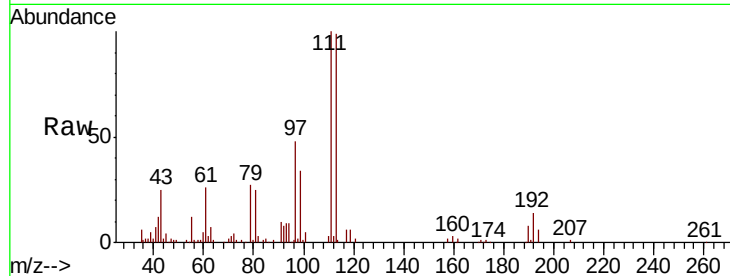
ClientSampleId :

VF0907SBSD01

Tot Ion:	113	Resp:	114318
Ion Ratio	Lower	Upper	
113	100		
111	101.3	80.2	120.2
192	14.5	11.8	17.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.67 ug/l

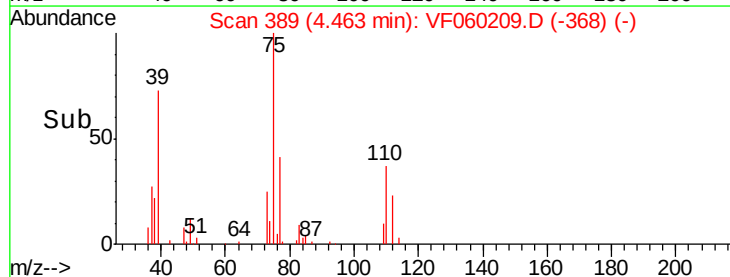
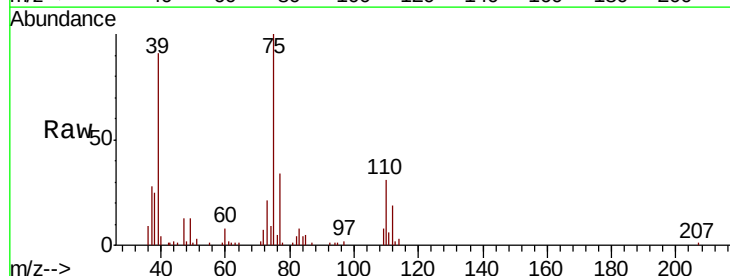
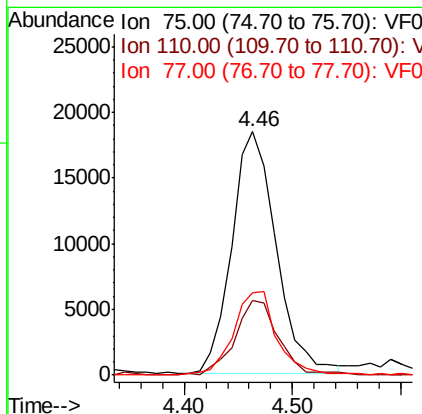
RT: 4.46 min Scan# 389

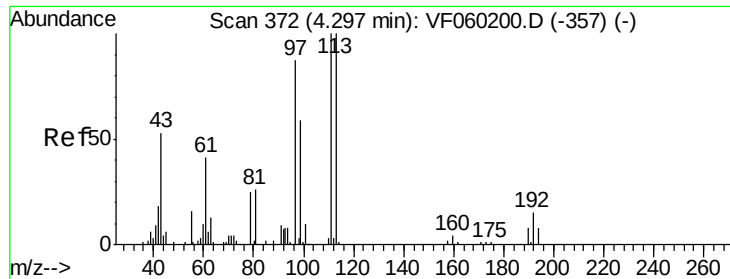
Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	75	Resp:	52530
Ion Ratio	Lower	Upper	
75	100		
110	30.8	13.6	40.7
77	33.6	22.7	34.1





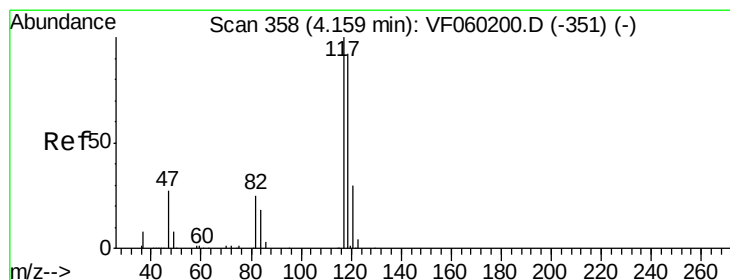
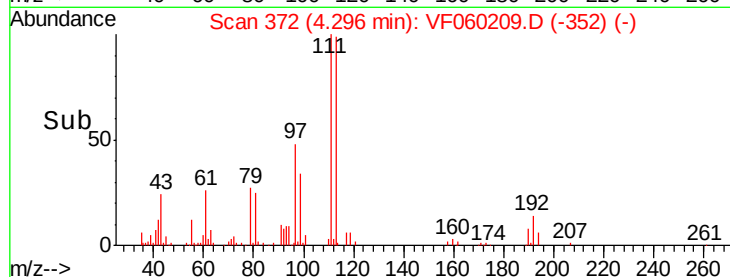
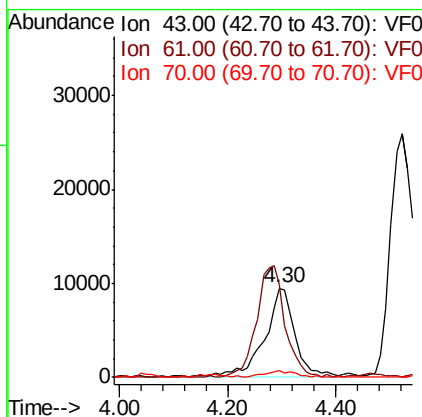
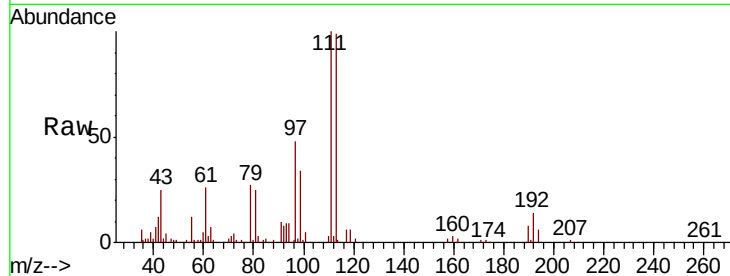
#37
Ethyl Acetate
Concen: 24.90 ug/l
RT: 4.30 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						35522
61	104.2	61.6				92.4#	
70	7.8	6.9	10.3				

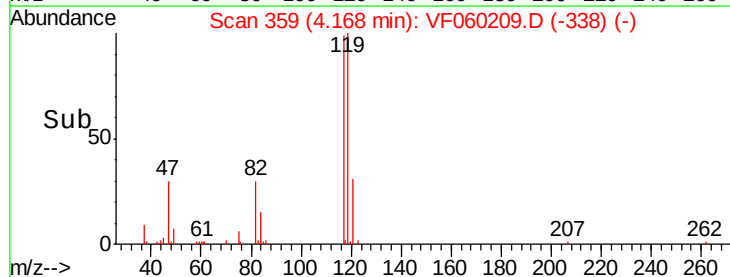
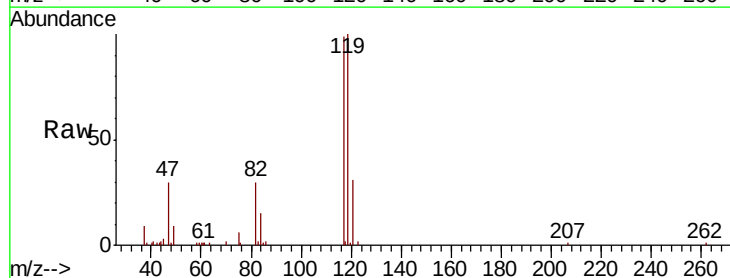
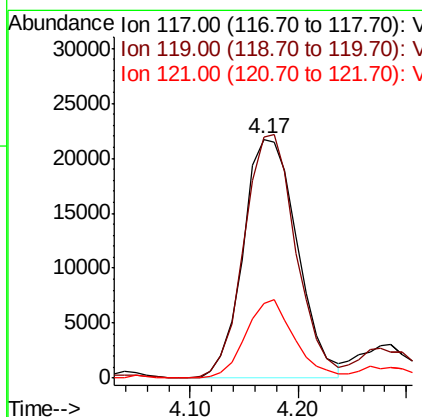
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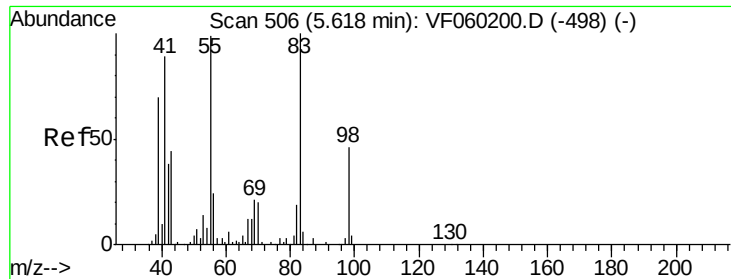
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#38
Carbon Tetrachloride
Concen: 20.56 ug/l
RT: 4.17 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						75484
119	100.7	73.0				109.6	
121	31.1	23.9	35.9				





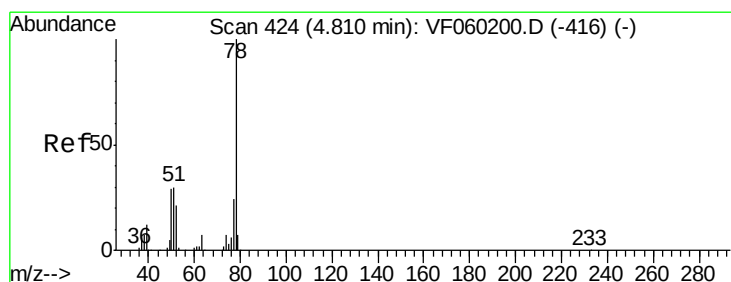
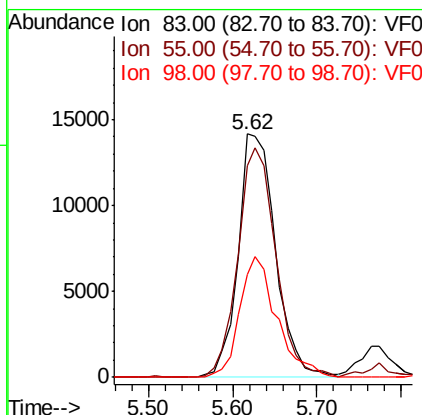
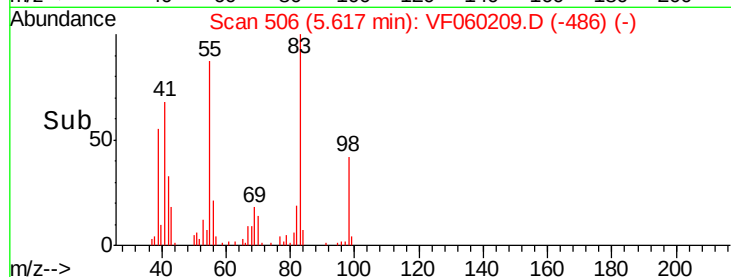
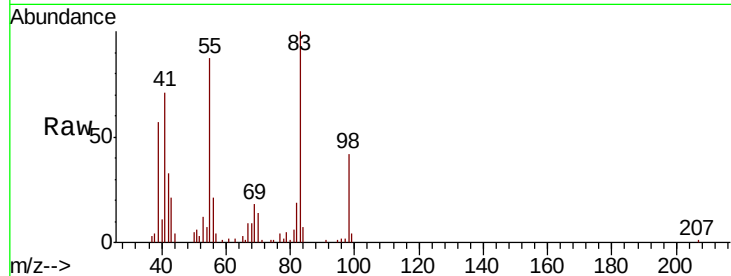
#39
Methylvlcyclohexane
Concen: 19.73 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBS01

Tot Ion	83	Resp	44128
Ion	Ratio	Lower	Upper
83	100		
55	87.0	79.0	118.4
98	42.1	36.7	55.1

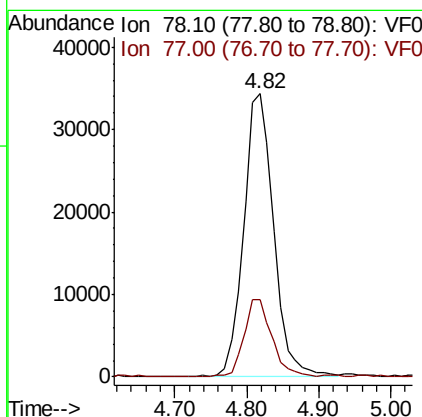
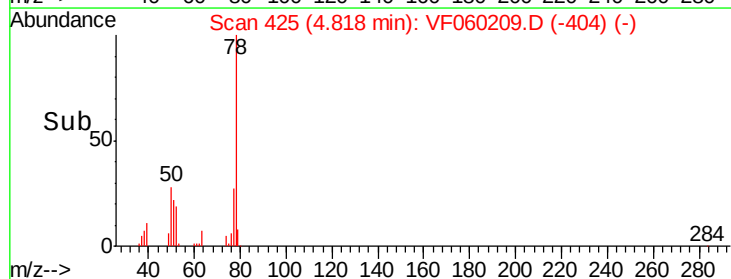
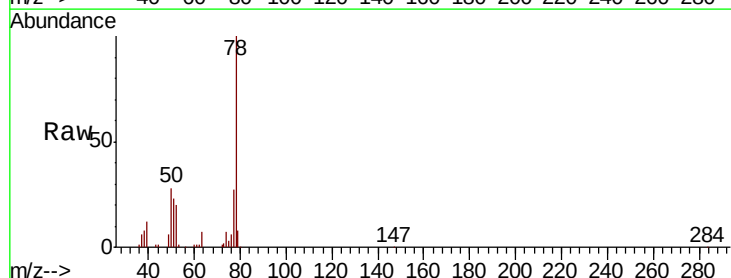
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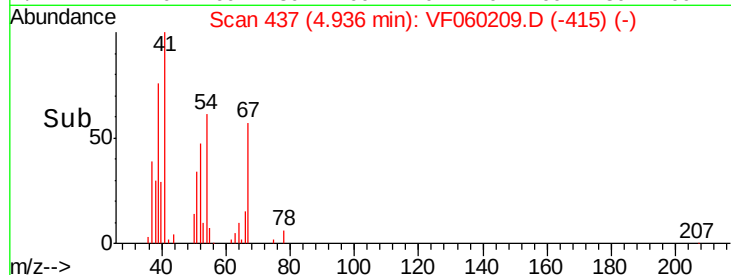
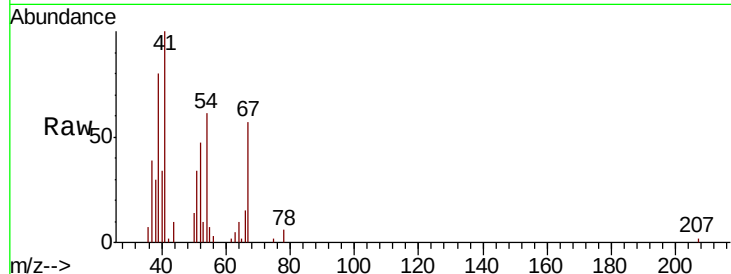
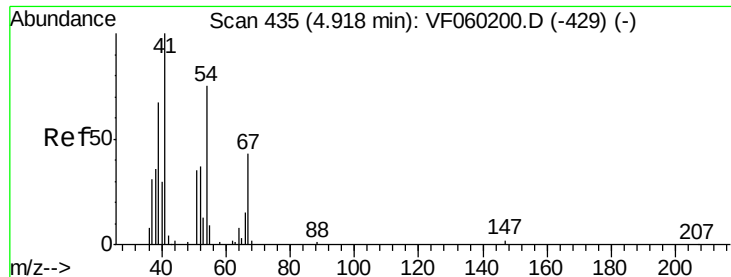
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#40
Benzene
Concen: 20.97 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	78	Resp	99754
Ion	Ratio	Lower	Upper
78	100		
77	27.4	19.0	28.4





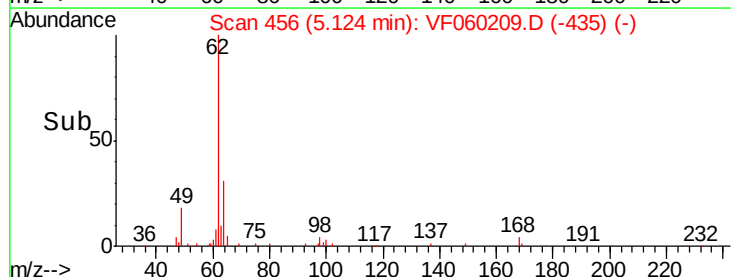
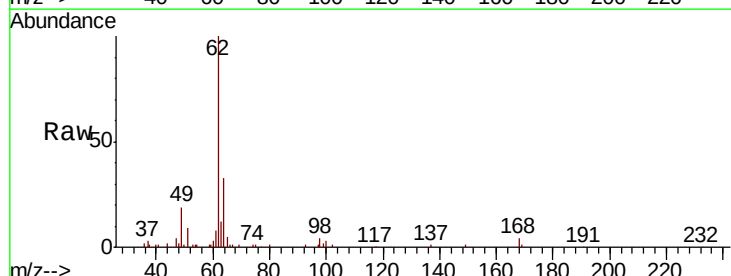
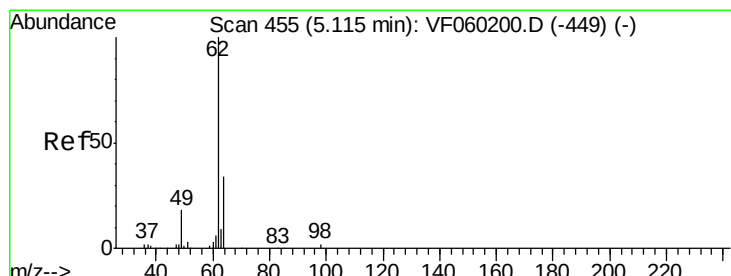
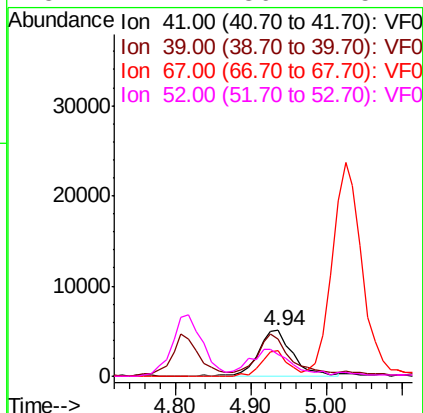
#41
Methacrylonitrile
Concen: 23.54 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tot Ion:	41	Resp:	16349
Ion	Ratio	Lower	Upper
41	100		
39	79.8	57.4	86.2
67	56.8	34.6	52.0#
52	47.4	36.2	54.4

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBSD01

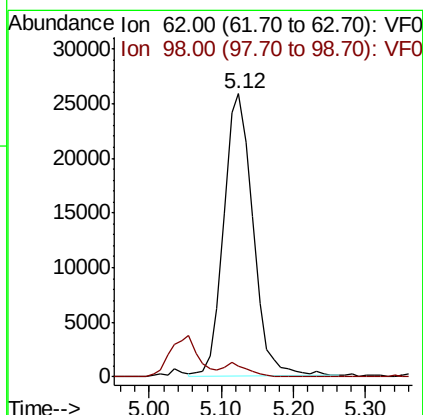
Manual Integrations
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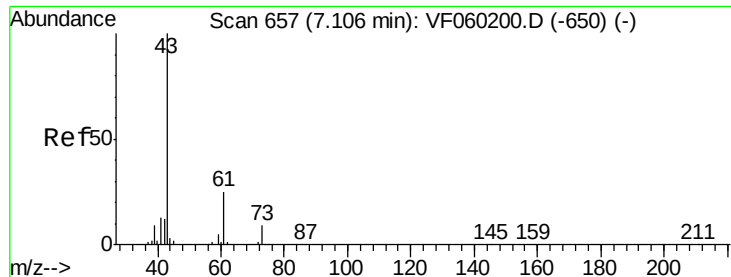
apatel
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#42
1,2-Dichloroethane
Concen: 21.21 ug/l
RT: 5.12 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion:	62	Resp:	72913
Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	8.8





#43

Isopropyl Acetate

Concen: 23.64 ug/l

RT: 7.12 min Scan# 659

Delta R.T. 0.02 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

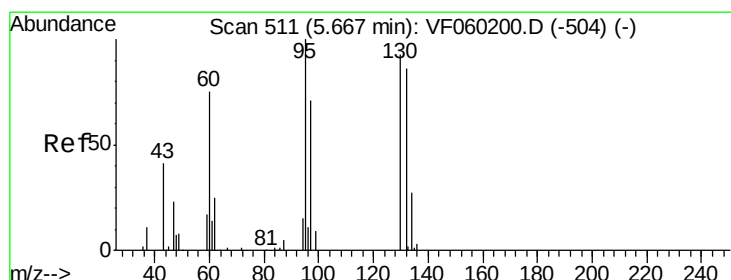
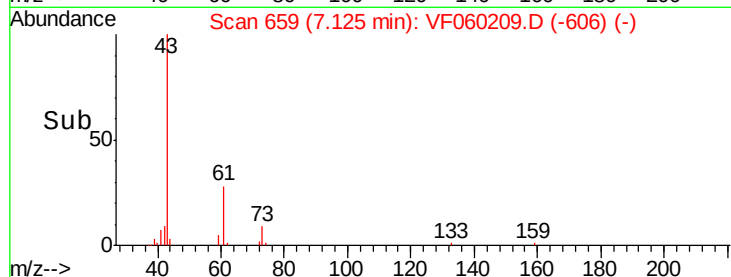
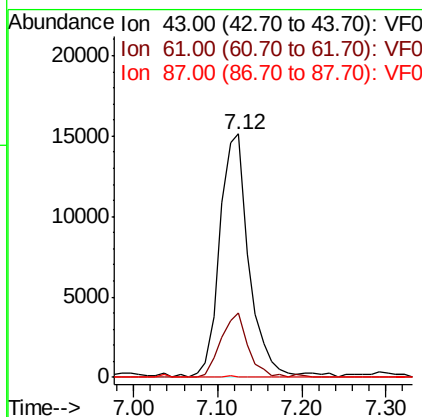
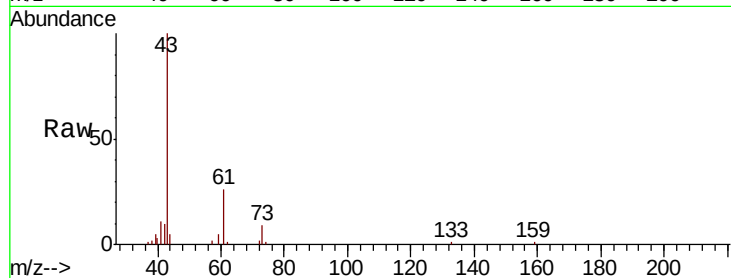
ClientSampleId :

VF0907SBS01

Tot Ion:	43	Resp:	36722
Ion Ratio	Lower	Upper	
43	100		
61	26.3	19.9	29.9
87	0.0	0.4	0.6

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#44

Trichloroethene

Concen: 20.36 ug/l

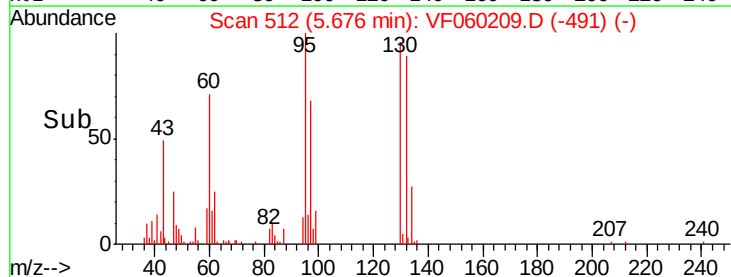
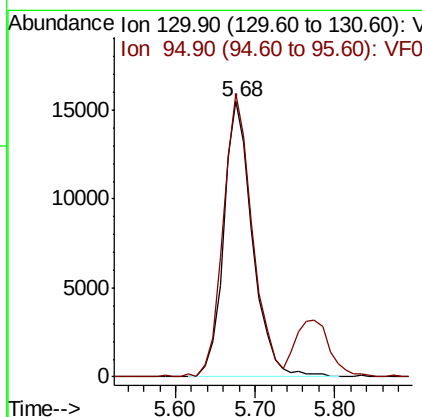
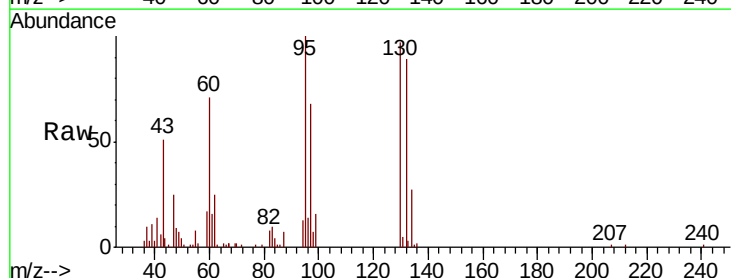
RT: 5.68 min Scan# 512

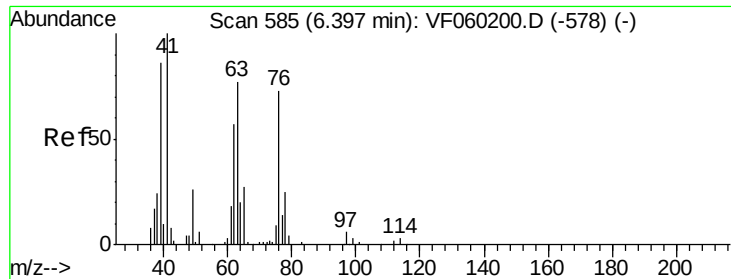
Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	130	Resp:	39237
Ion Ratio	Lower	Upper	
130	100		
95	102.8	0.0	215.4





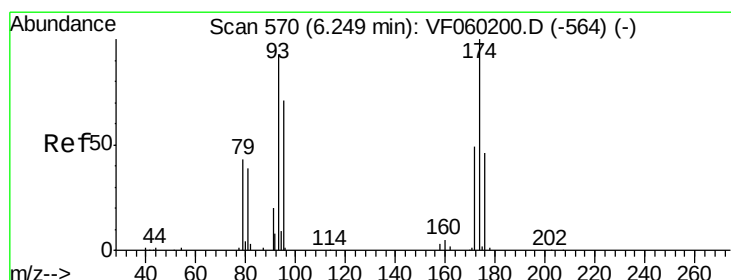
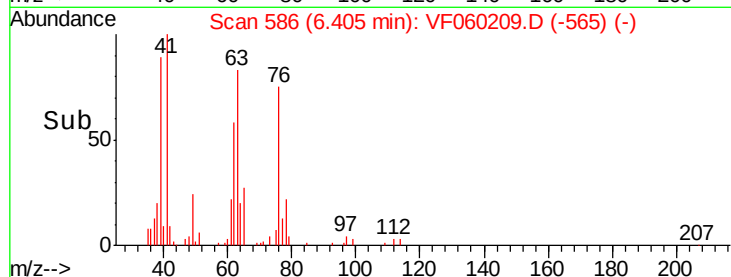
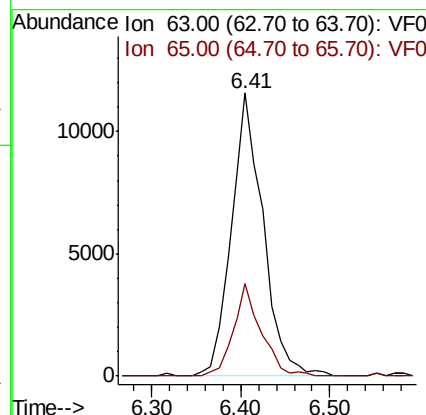
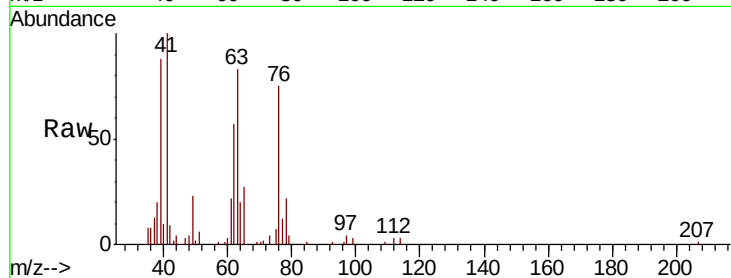
#45
 1,2-Dichloropropane
 Concen: 21.39 ug/l
 RT: 6.41 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	32.9	28921	27.9	41.9

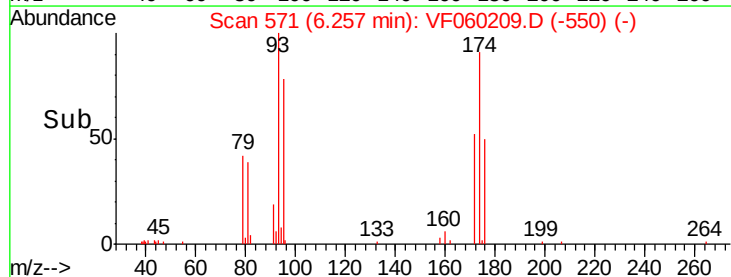
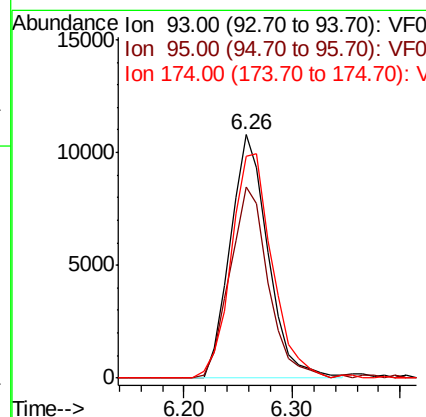
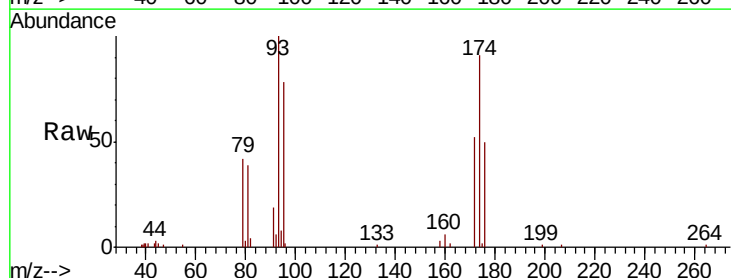
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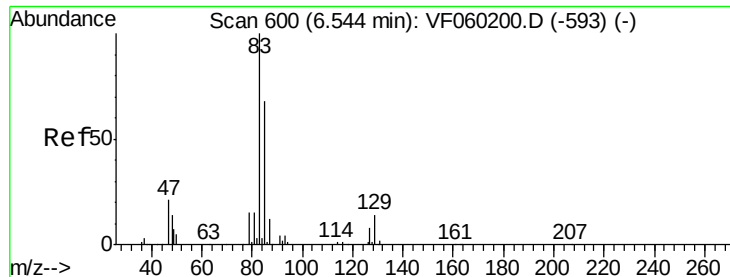
apatel
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#46
 Dibromomethane
 Concen: 22.12 ug/l
 RT: 6.26 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	26341		
95	78.3		61.4	92.2
174	93.2		85.9	128.9





#47

Bromodichloromethane

Concen: 20.78 ug/l

RT: 6.55 min Scan# 601

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

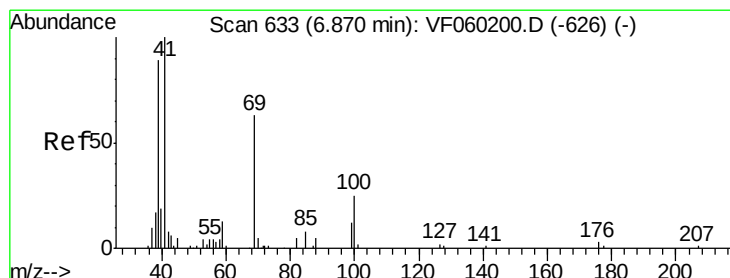
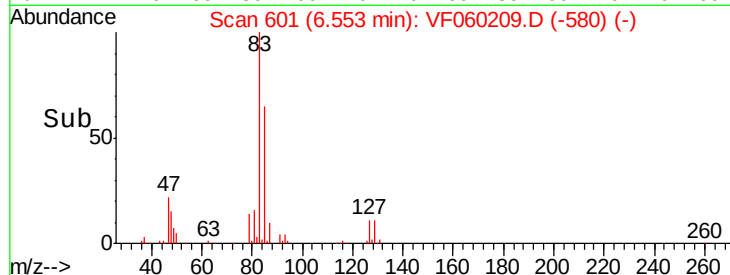
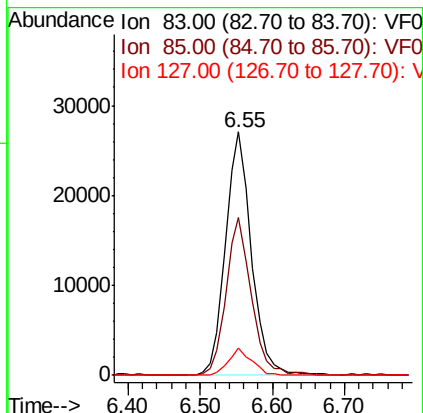
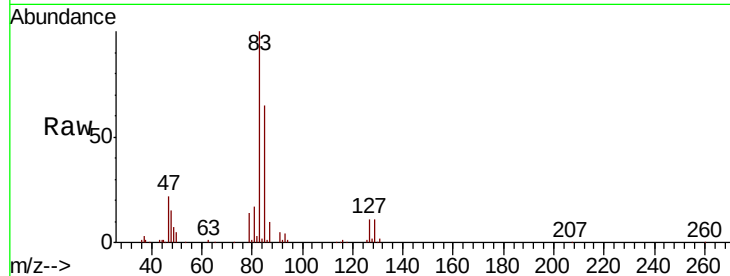
ClientSampleId :

VF0907SBSD01

Tot Ion:	83	Resp:	67148
Ion	Ratio	Lower	Upper
83	100		
85	65.1	54.0	81.0
127	11.3	6.6	9.8#

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#48

Methyl methacrylate

Concen: 22.30 ug/l

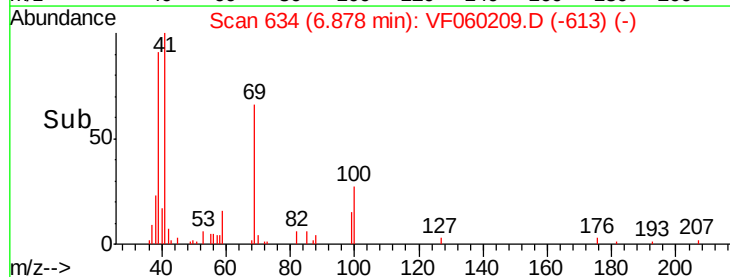
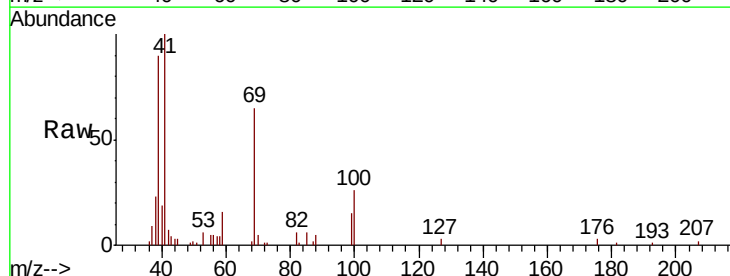
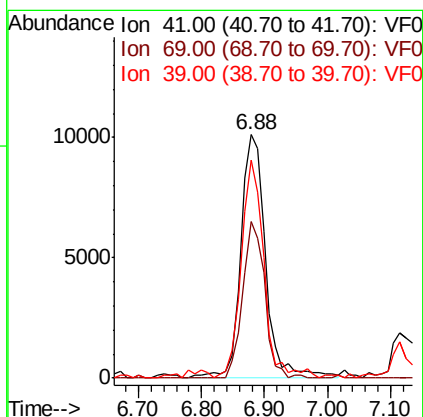
RT: 6.88 min Scan# 634

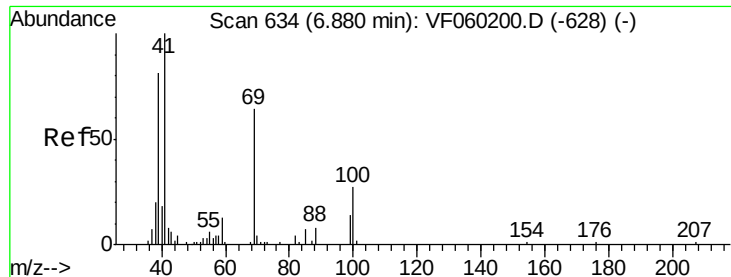
Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	41	Resp:	27521
Ion	Ratio	Lower	Upper
41	100		
69	64.5	50.4	75.6
39	89.6	70.6	106.0





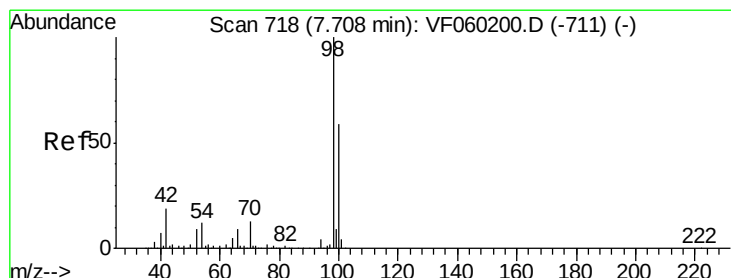
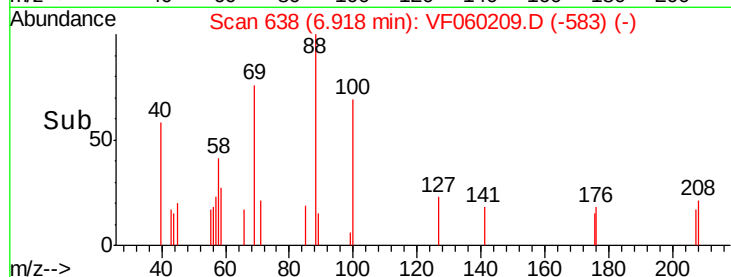
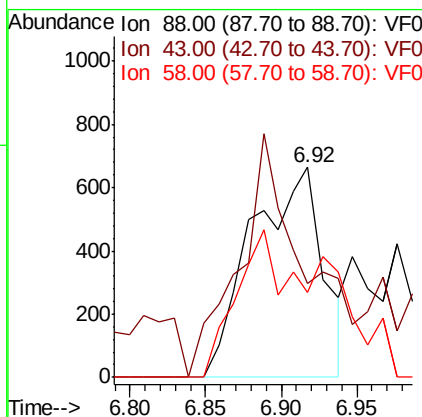
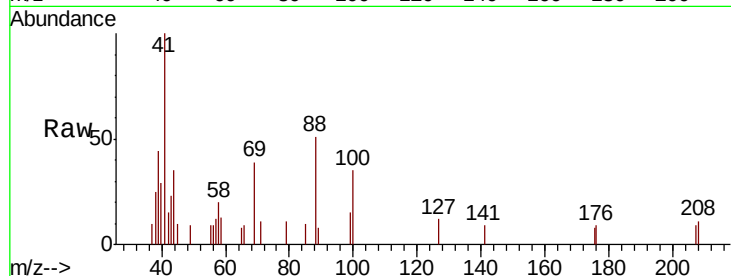
#49
1,4-Dioxane
Concen: 119.97 ug/l
RT: 6.92 min Scan# 638
Delta R.T. 0.04 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.9	68.1	102.1#
58	40.5	38.1	57.1

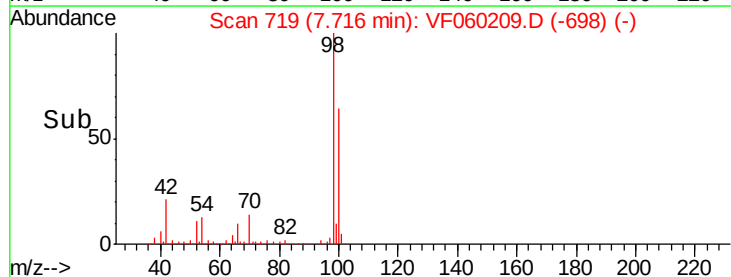
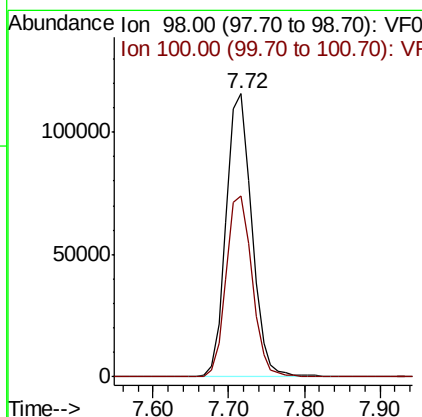
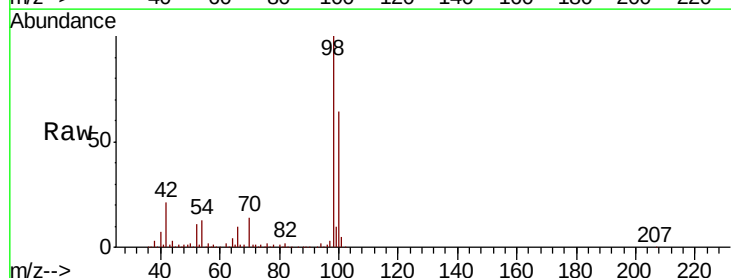
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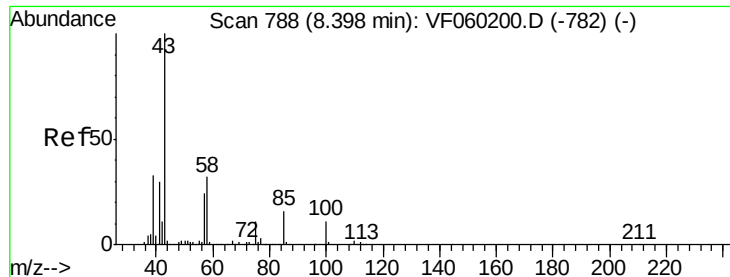
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#50
Toluene-d8
Concen: 48.94 ug/l
RT: 7.72 min Scan# 719
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	47.4	71.0





#51

4-Methyl-2-Pentanone

Concen: 122.71 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBS01

Tot Ion: 43 Resp: 169340

Ion Ratio Lower Upper

43 100

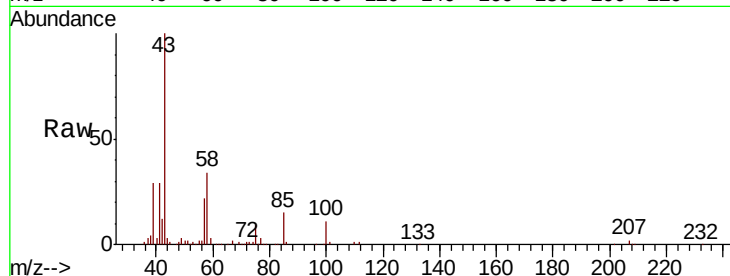
58 33.7 25.8 38.6

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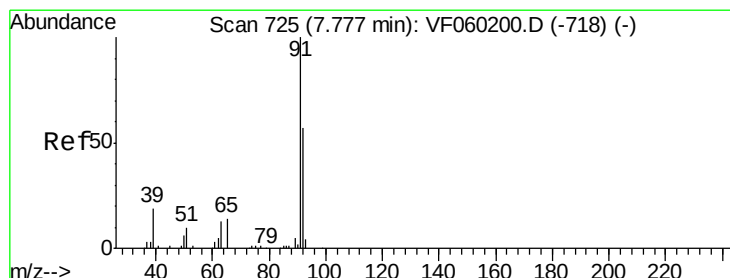
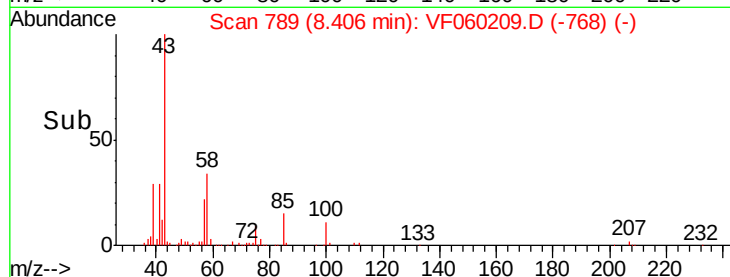
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 19.51 ug/l

RT: 7.79 min Scan# 726

Delta R.T. 0.01 min

Lab File: VF060209.D

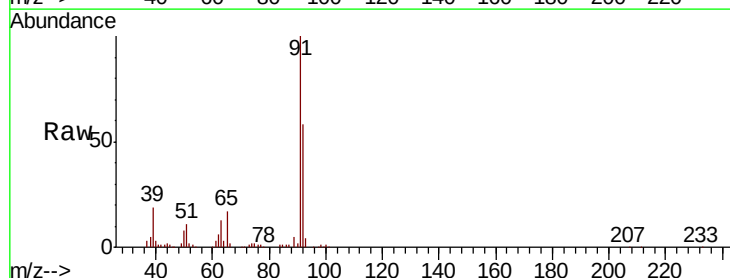
Acq: 7 Sep 2018 14:39

Tgt Ion: 92 Resp: 71871

Ion Ratio Lower Upper

92 100

91 171.8 140.0 210.0



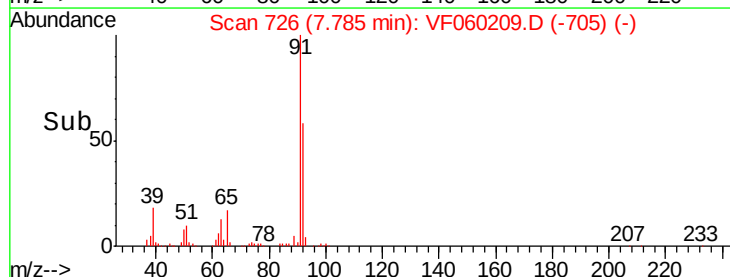
Abundance Ion 92.00 (91.70 to 92.70): VF0

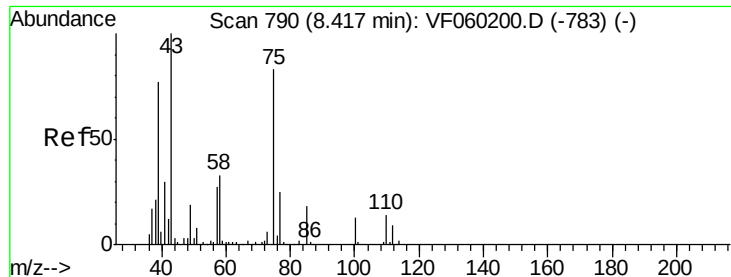
Ion 91.00 (90.70 to 91.70): VF0

7.79

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.23 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBSD01

Tot Ion: 75 Resp: 63091

Ion Ratio Lower Upper

75 100

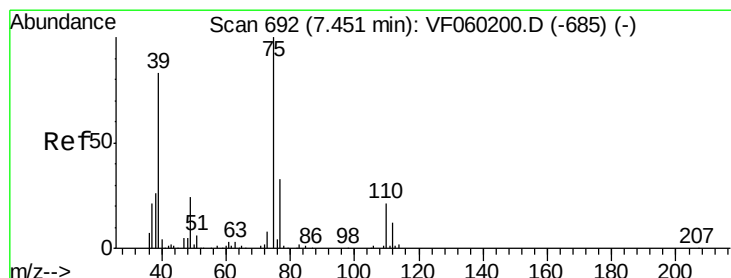
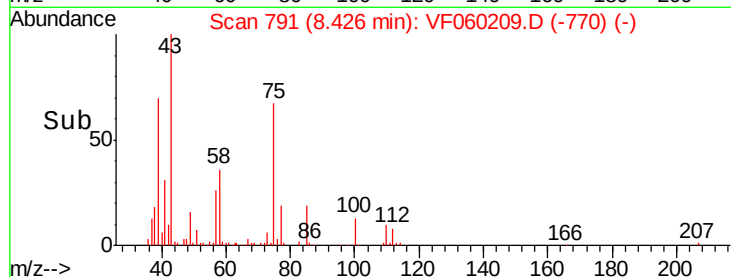
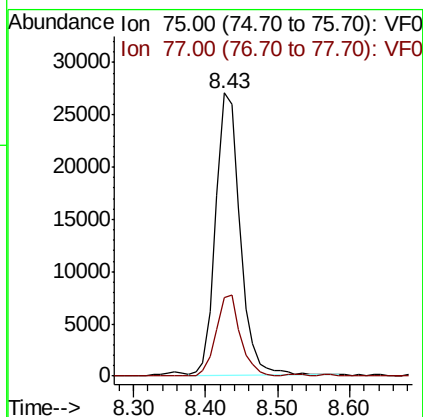
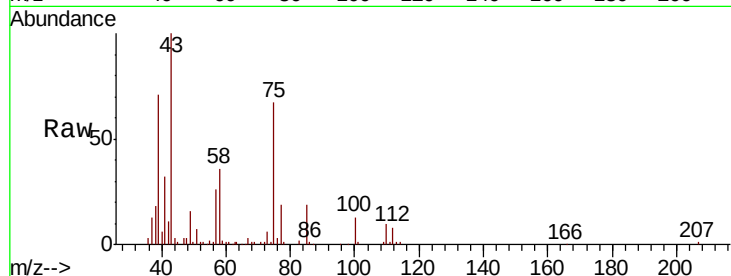
77 28.0 24.3 36.5

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#54

cis-1,3-Dichloropropene

Concen: 21.35 ug/l

RT: 7.46 min Scan# 693

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

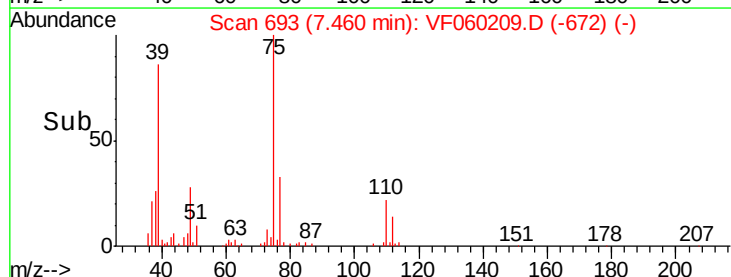
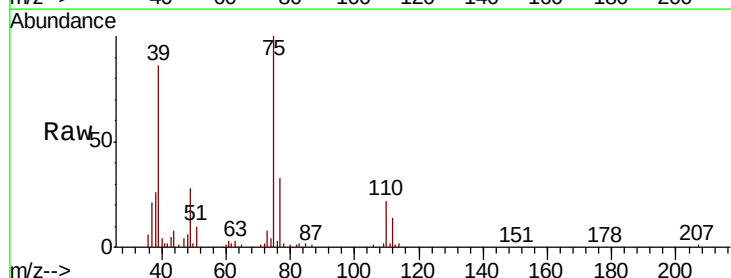
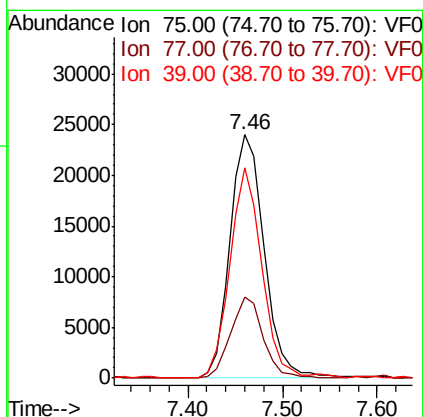
Tgt Ion: 75 Resp: 60190

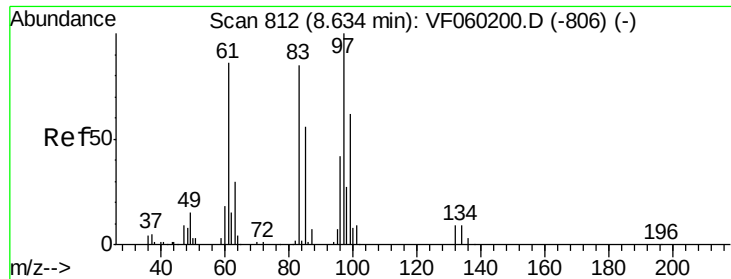
Ion Ratio Lower Upper

75 100

77 33.1 26.6 39.8

39 86.2 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 20.96 ug/l

RT: 8.64 min Scan# 813

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

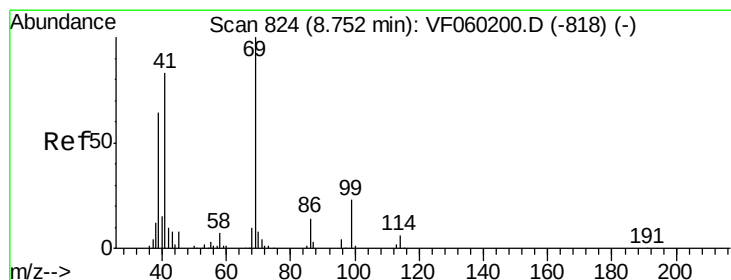
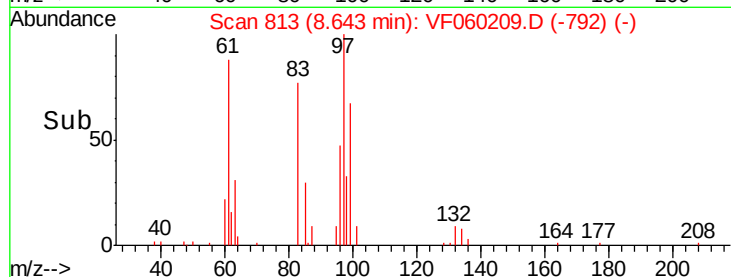
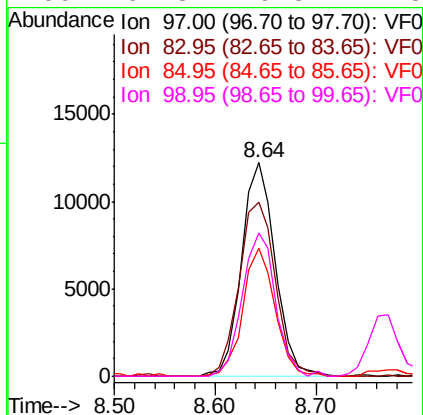
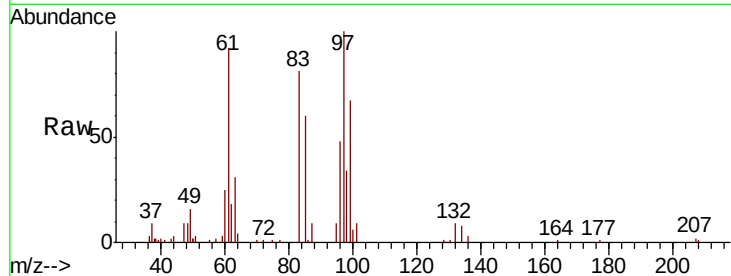
ClientSampleId :

VF0907SBSD01

Tot Ion:	97	Resp:	28400
Ion	Ratio	Lower	Upper
97	100		
83	81.2	68.1	102.1
85	59.7	44.6	66.8
99	67.3	49.8	74.8

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#56

Ethyl methacrylate

Concen: 24.48 ug/l

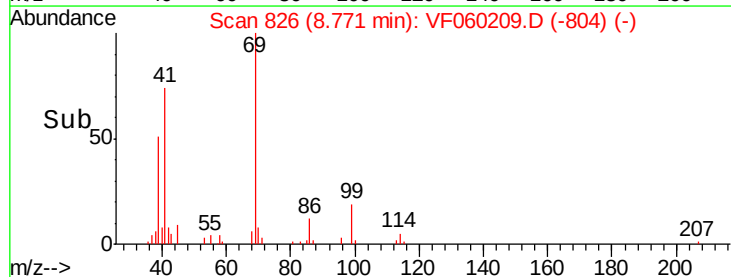
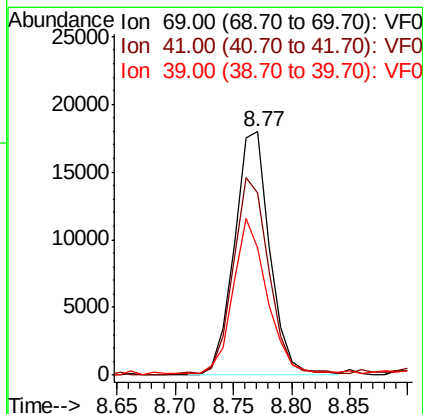
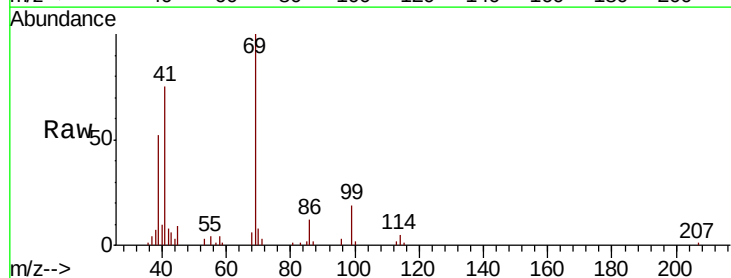
RT: 8.77 min Scan# 826

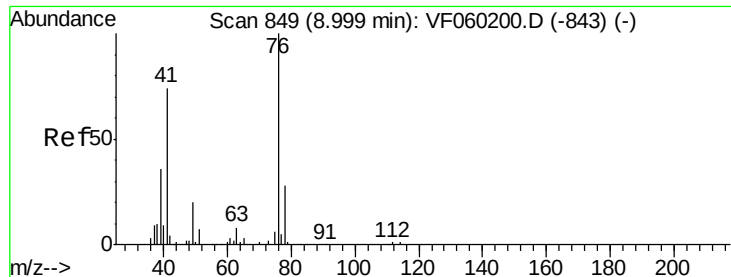
Delta R.T. 0.02 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	69	Resp:	37927
Ion	Ratio	Lower	Upper
69	100		
41	74.9	66.6	100.0
39	52.3	51.5	77.3





#57

1,3-Dichloropropane

Concen: 22.14 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBSD01

Tot Ion: 76 Resp: 53356

Ion Ratio Lower Upper

76 100

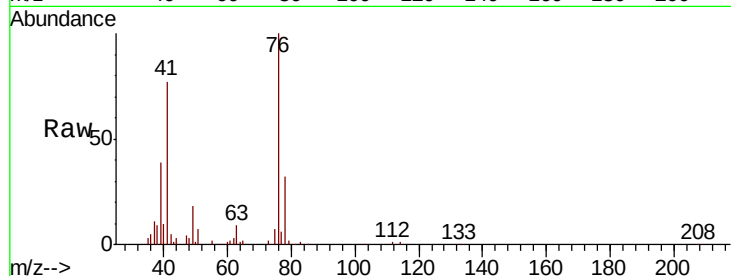
78 32.4 22.8 34.2

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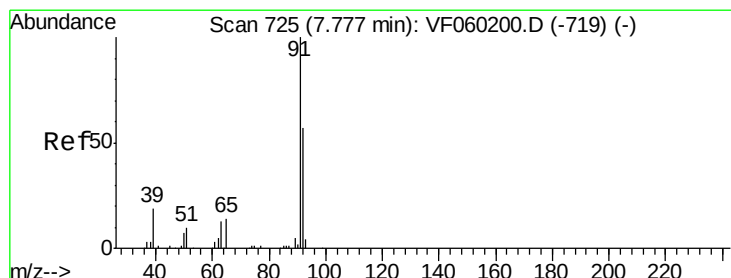
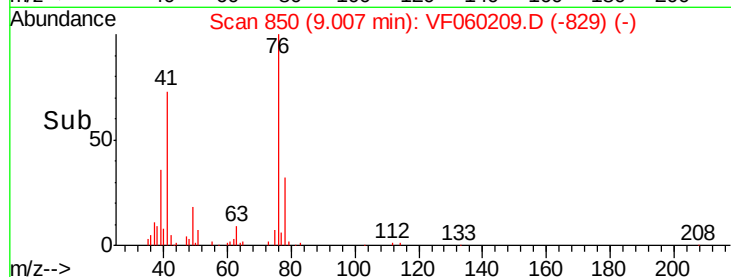
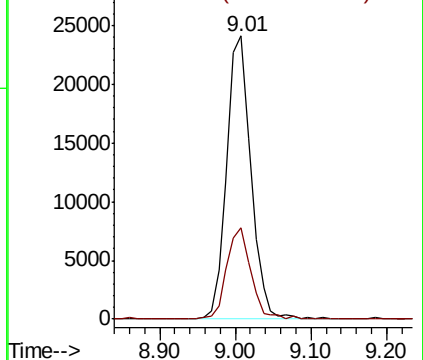
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 94.61 ug/l

RT: 7.79 min Scan# 726

Delta R.T. 0.01 min

Lab File: VF060209.D

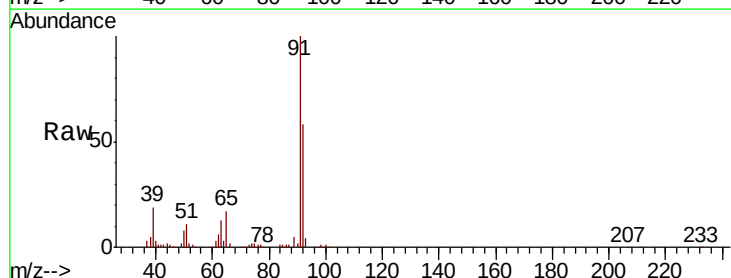
Acq: 7 Sep 2018 14:39

Tgt Ion: 63 Resp: 15763

Ion Ratio Lower Upper

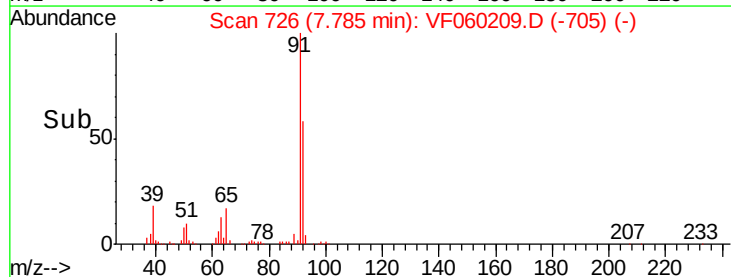
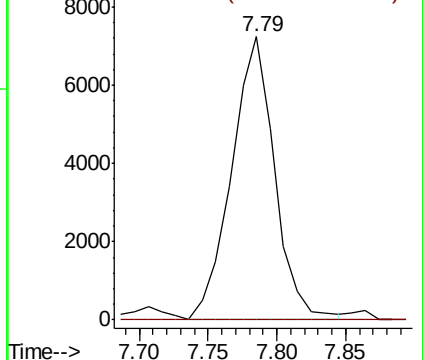
63 100

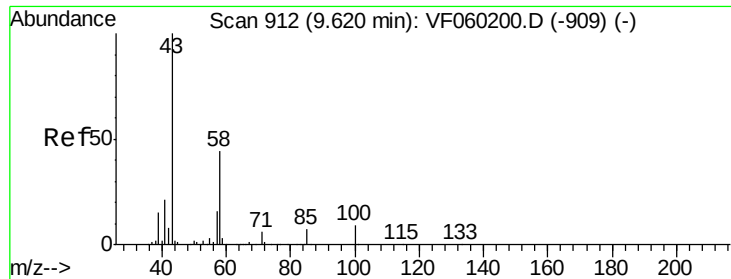
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





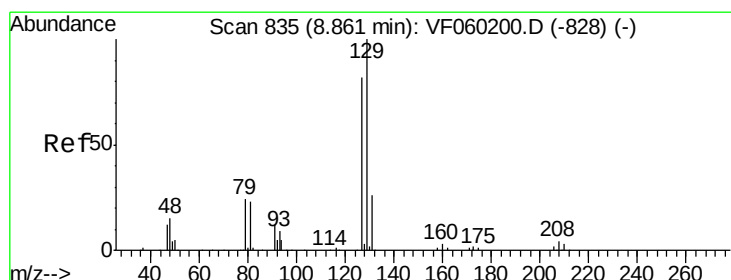
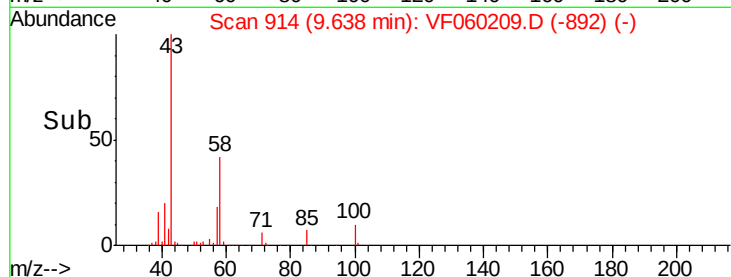
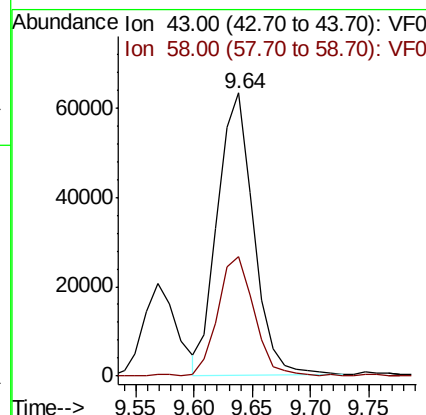
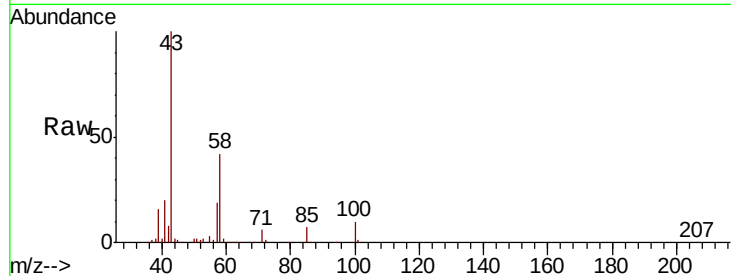
#59
2-Hexanone
Concen: 130.84 ug/l
RT: 9.64 min Scan# 914
Delta R.T. 0.02 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBSD01

Tot Ion: 43 Resp: 135624
Ion Ratio Lower Upper
43 100
58 42.2 20.8 62.5

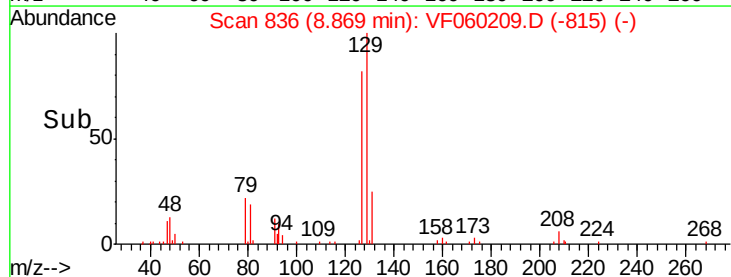
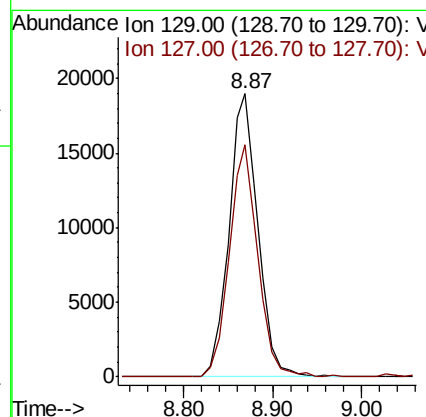
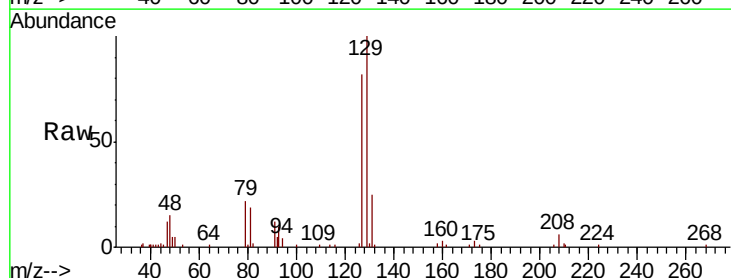
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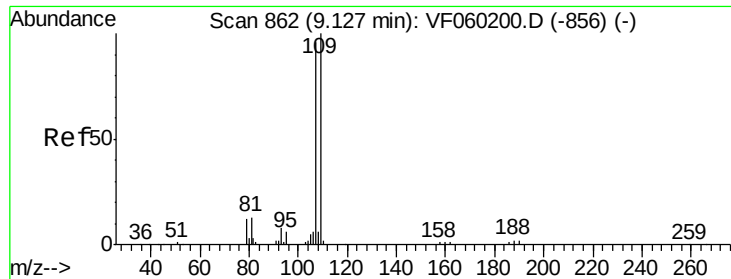
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#60
Dibromochloromethane
Concen: 19.15 ug/l
RT: 8.87 min Scan# 836
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 129 Resp: 42989
Ion Ratio Lower Upper
129 100
127 82.1 40.9 122.8





#61

1,2-Dibromoethane

Concen: 22.41 ug/l

RT: 9.14 min Scan# 863

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBS01

Tot Ion:107 Resp: 36425

Ion Ratio Lower Upper

107 100

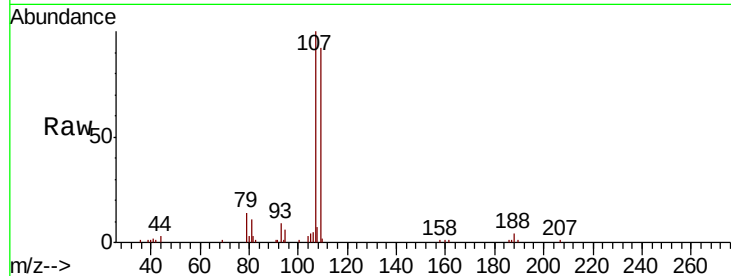
109 91.8 83.0 124.4

Manual Integrations

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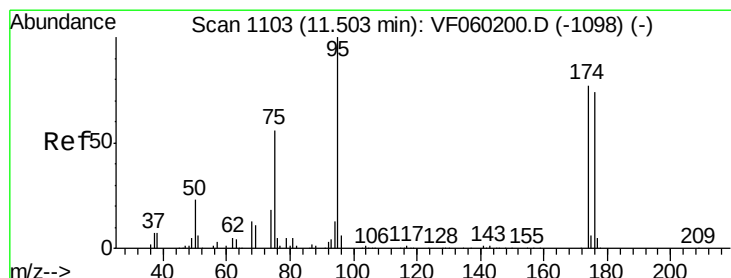
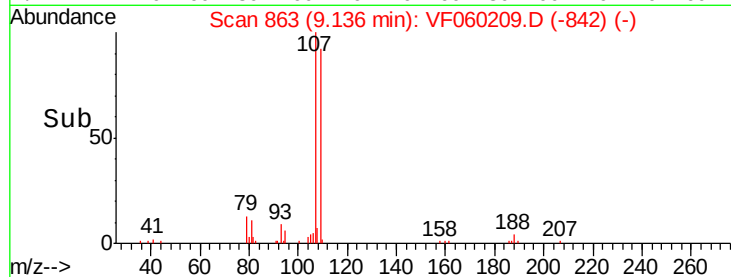
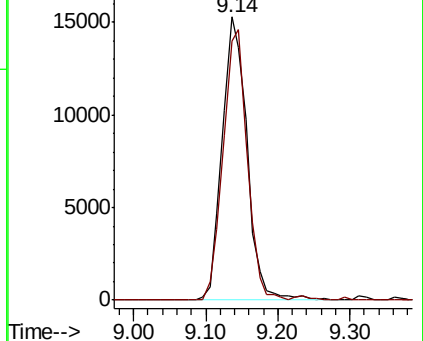
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.73 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

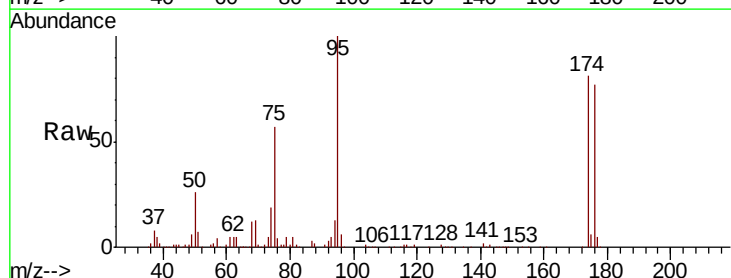
Tgt Ion: 95 Resp: 158769

Ion Ratio Lower Upper

95 100

174 81.3 0.0 153.2

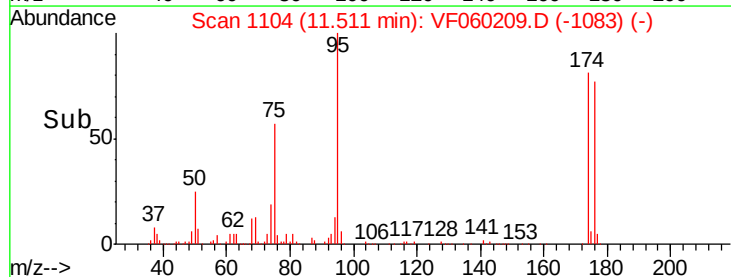
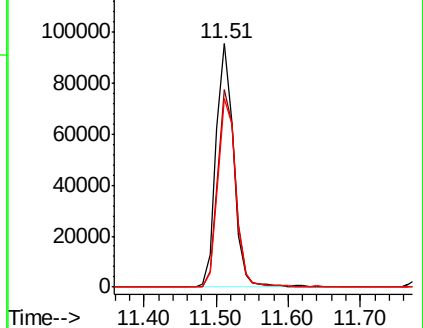
176 77.4 0.0 147.2

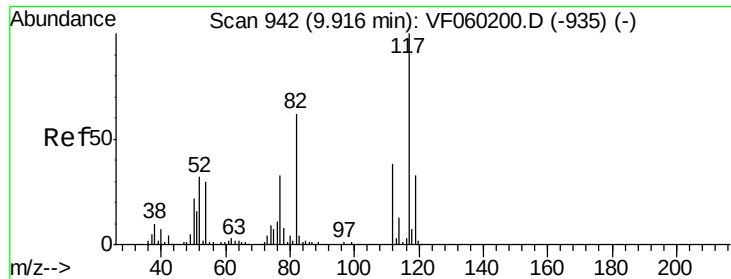


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





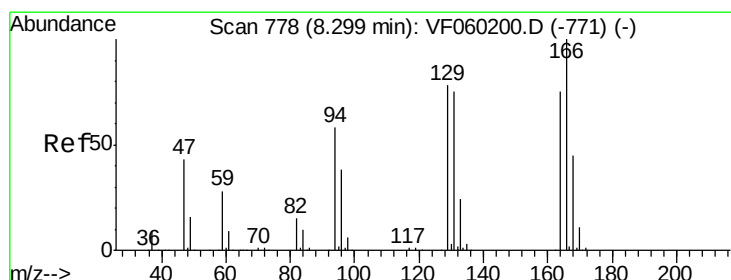
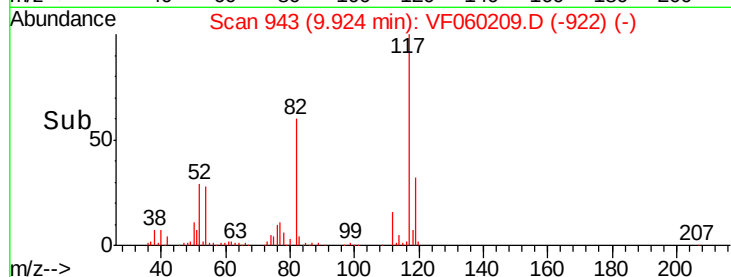
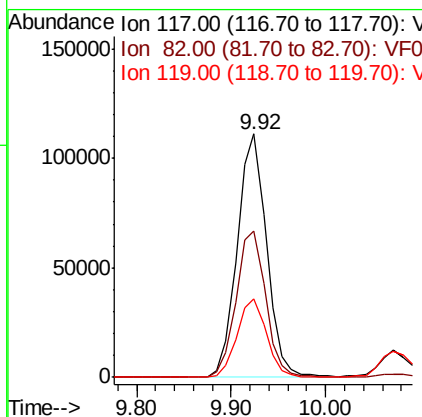
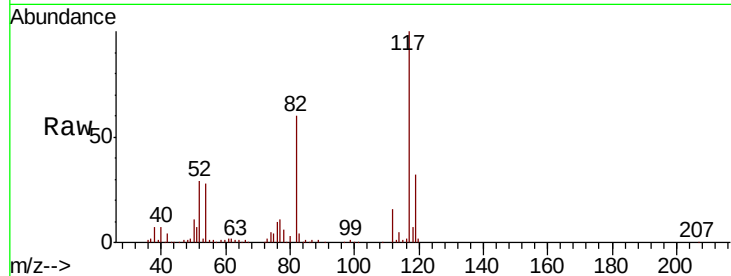
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	239623		
82	60.1		49.3	73.9
119	32.1		26.5	39.7

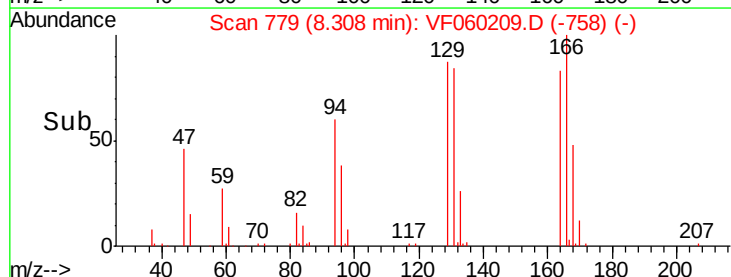
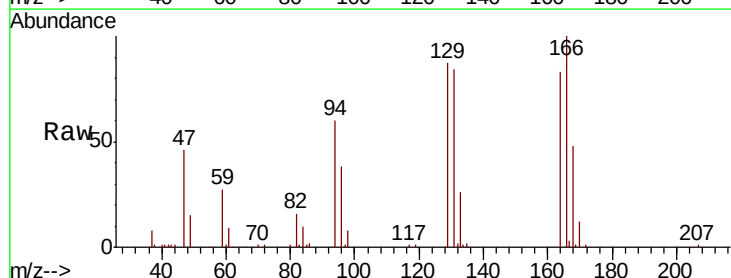
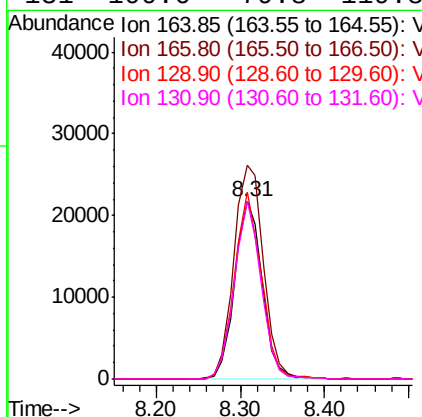
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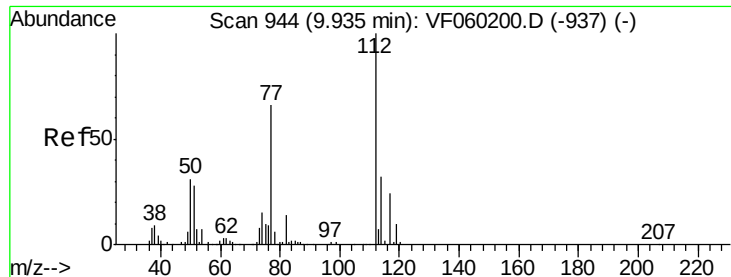
apatel
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#64
Tetrachloroethene
Concen: 17.40 ug/l
RT: 8.31 min Scan# 779
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49361		
166	120.4		107.0	160.4
129	105.2		83.0	124.6
131	100.6		79.8	119.8





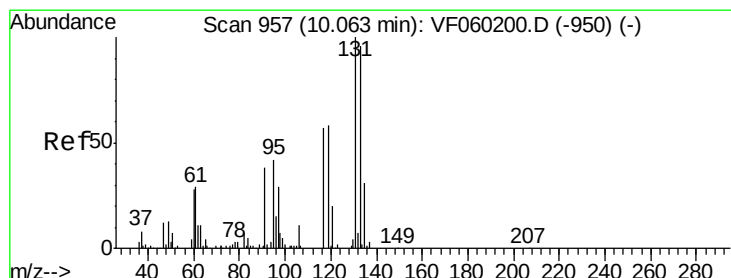
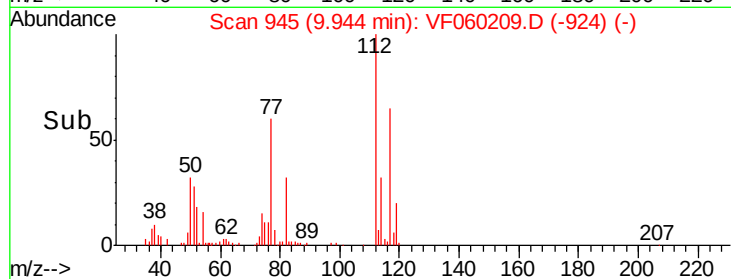
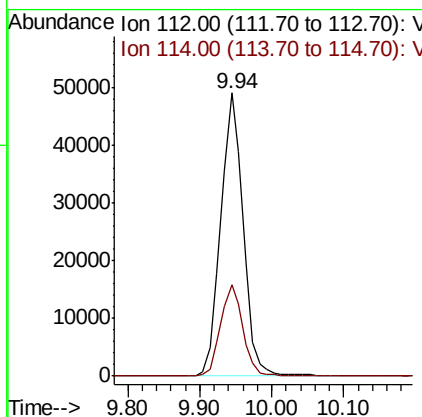
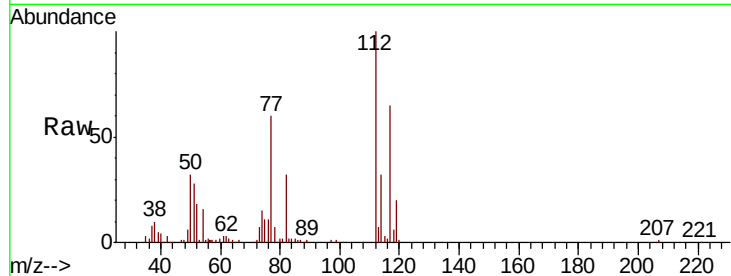
#65
Chlorobenzene
Concen: 21.33 ug/l
RT: 9.94 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5

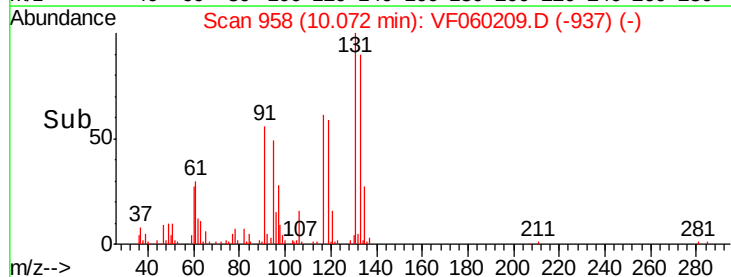
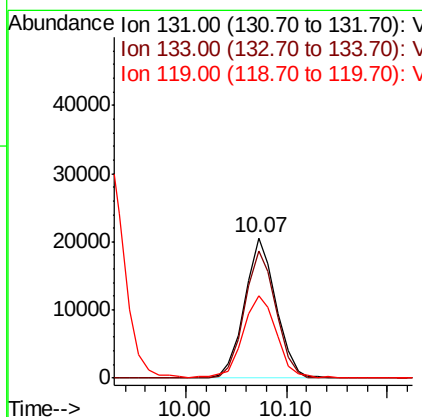
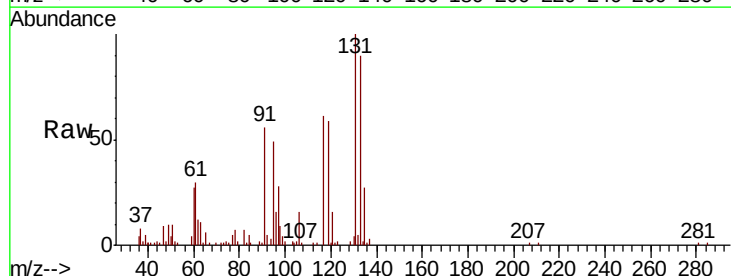
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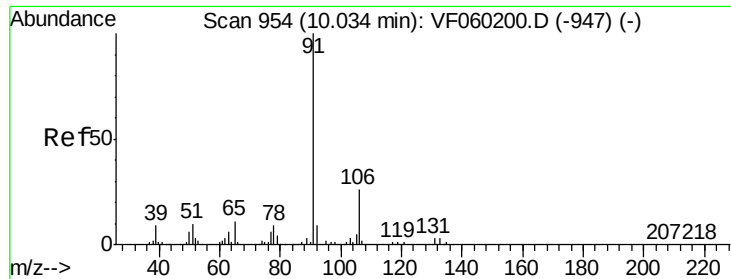
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.29 ug/l
RT: 10.07 min Scan# 958
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.4	47.9	143.8
119	59.1	29.0	87.0





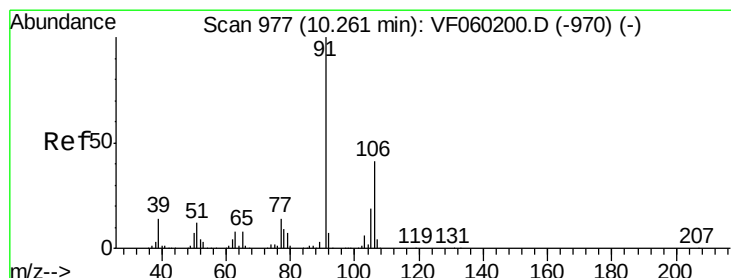
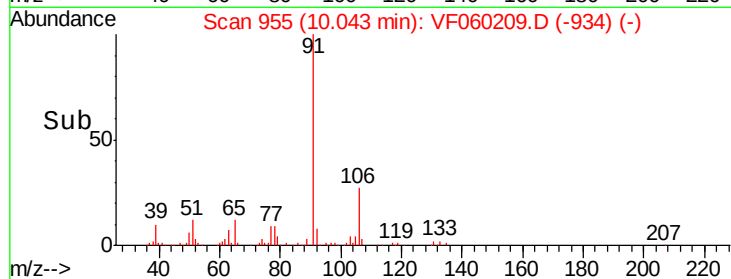
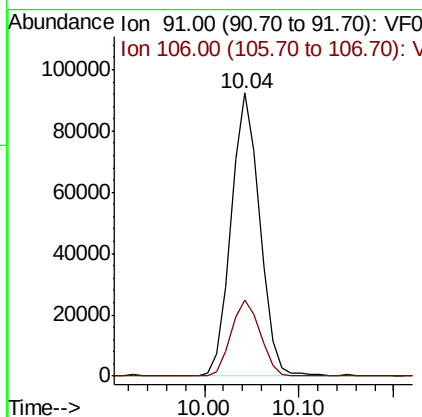
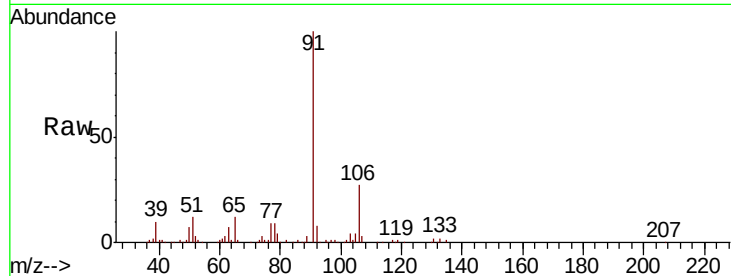
#67
Ethyl Benzene
Concen: 20.89 ug/l
RT: 10.04 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBSD01

Tot Ion: 91 Resp: 193290
Ion Ratio Lower Upper
91 100
106 26.8 21.1 31.7

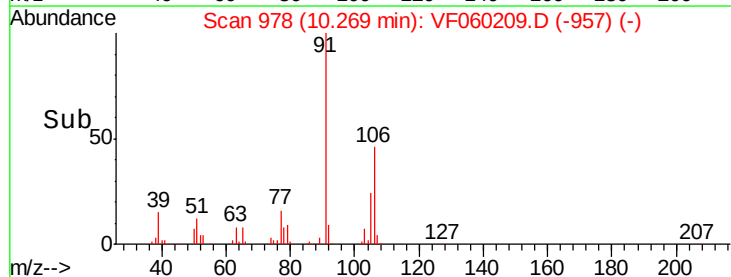
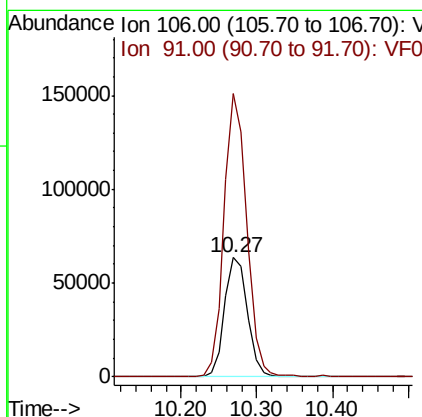
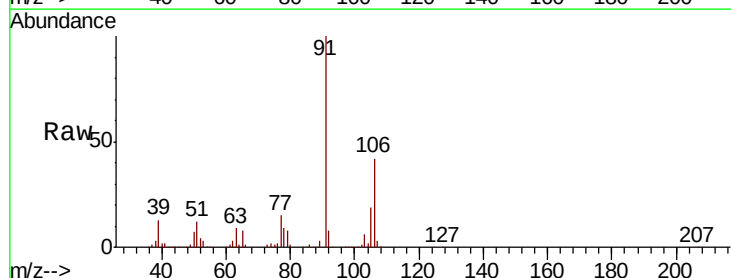
Manual Integrations
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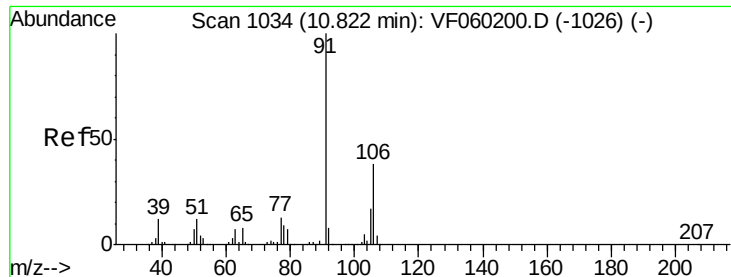
apatel
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#68
m/p-Xylenes
Concen: 43.06 ug/l
RT: 10.27 min Scan# 978
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion: 106 Resp: 133698
Ion Ratio Lower Upper
106 100
91 237.7 194.6 291.8





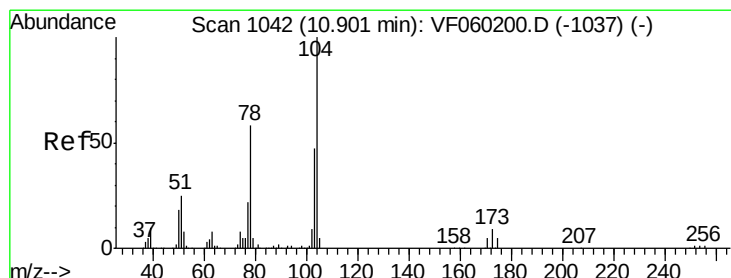
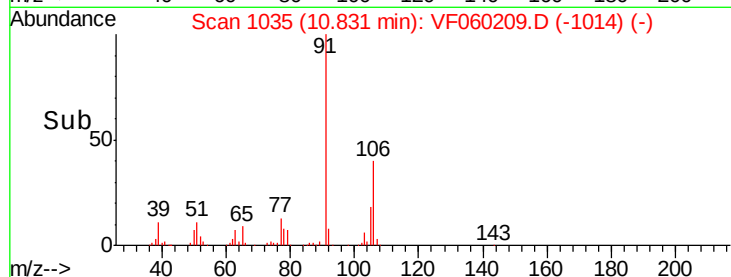
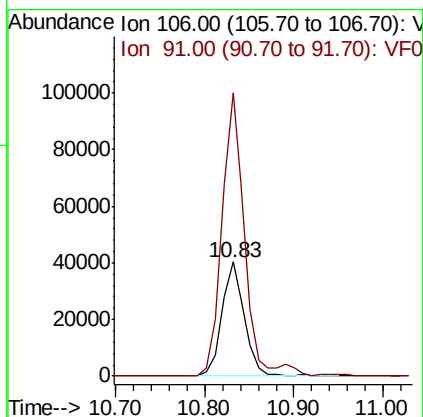
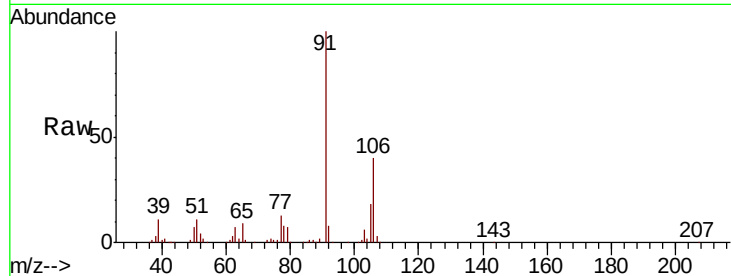
#69
o-Xylene
Concen: 21.64 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleID :
VF0907SBSD01

Tot Ion:106 Resp: 71678
Ion Ratio Lower Upper
106 100
91 248.8 130.5 391.5

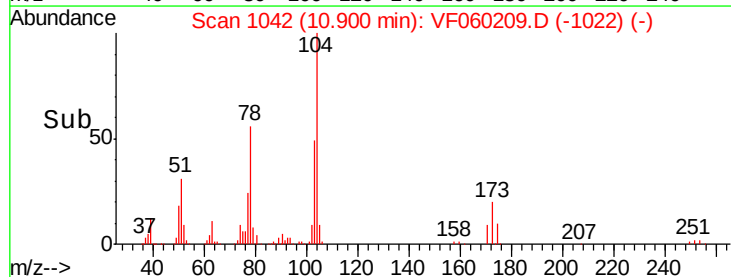
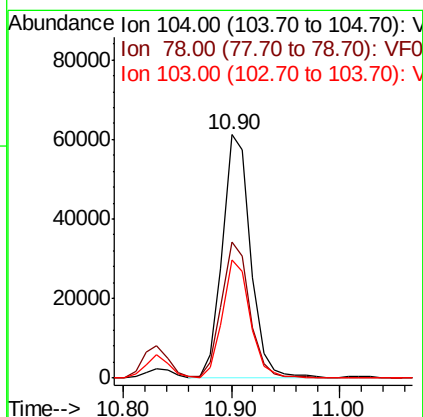
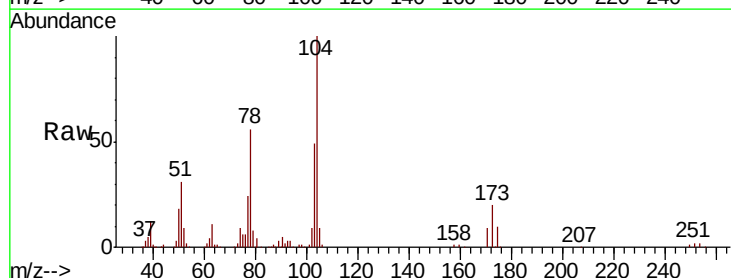
Manual Integrations
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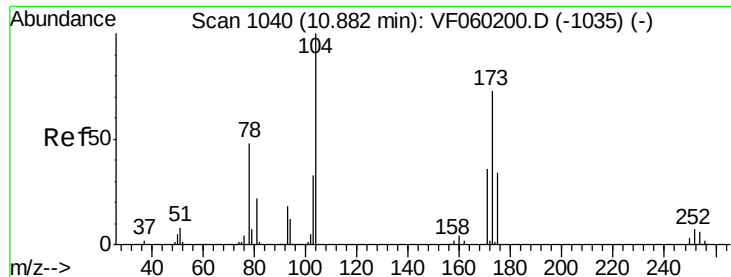
apatel
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#70
Styrene
Concen: 22.27 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion:104 Resp: 111787
Ion Ratio Lower Upper
104 100
78 55.8 47.1 70.7
103 48.5 38.6 57.8





#71

Bromoform

Concen: 20.96 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

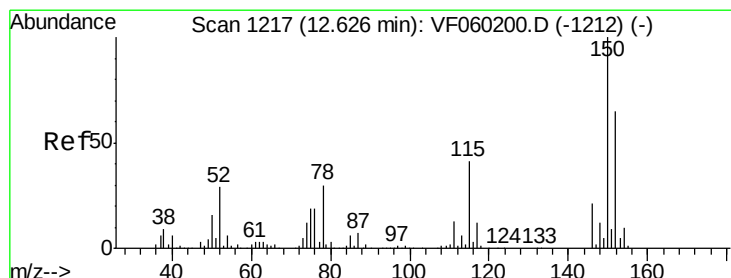
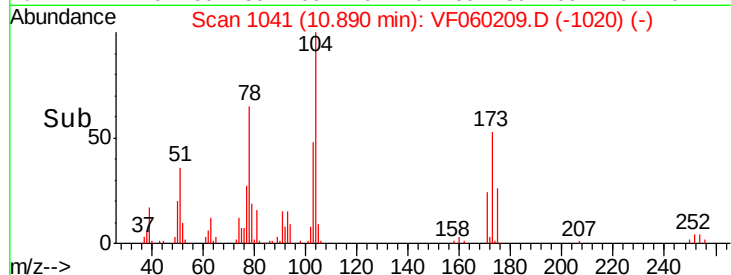
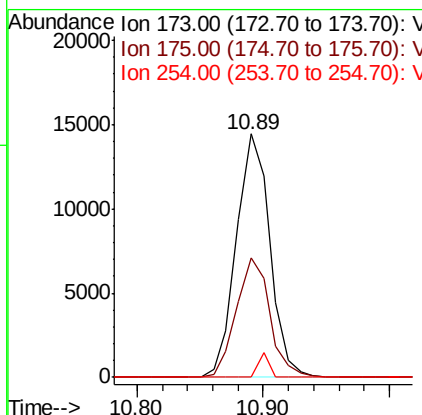
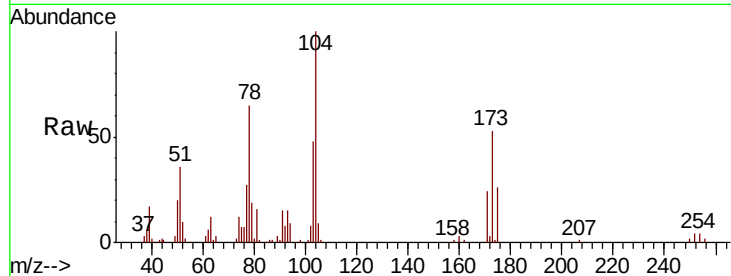
ClientSampleId :

VF0907SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.1	69.3
254	0.0	0.2	0.4

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

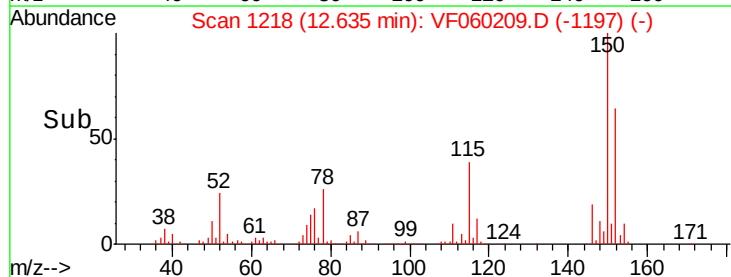
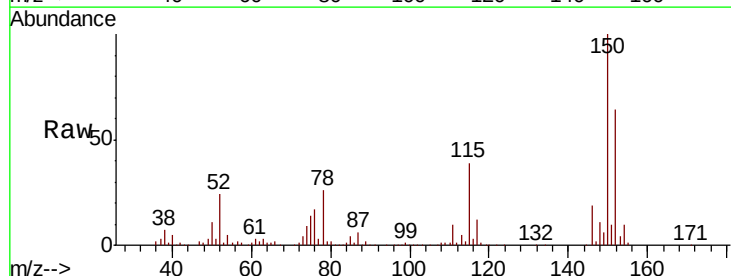
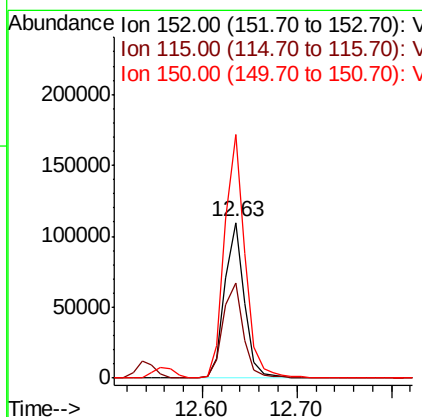
RT: 12.63 min Scan# 1218

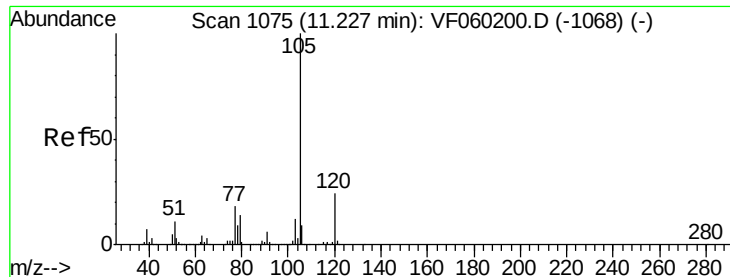
Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	31.5	94.5
150	156.2	0.0	310.4





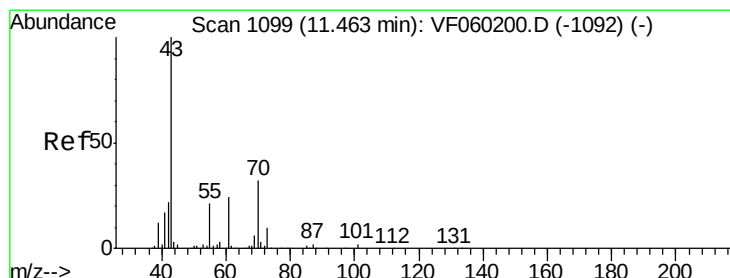
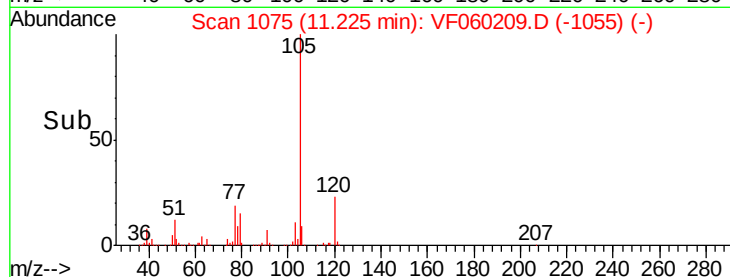
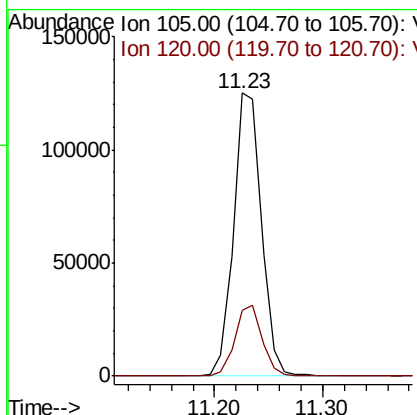
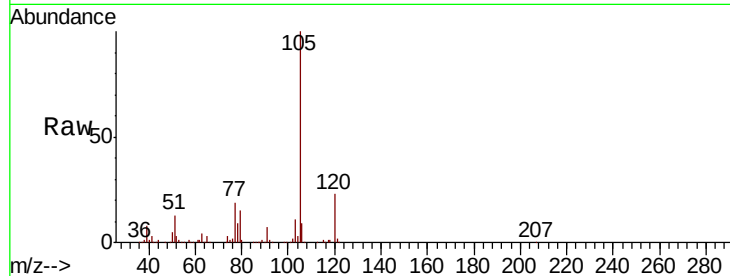
#73
Isopropylbenzene
Concen: 20.56 ug/l
RT: 11.23 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	224555		
120	23.3	11.8	35.3	

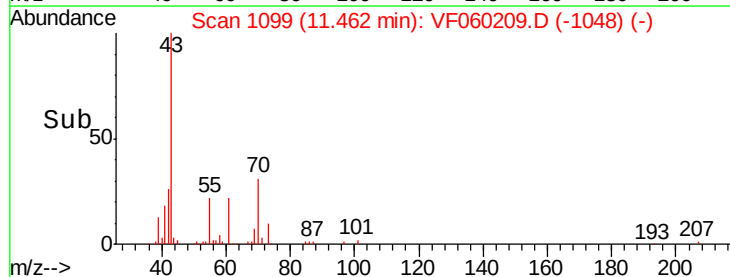
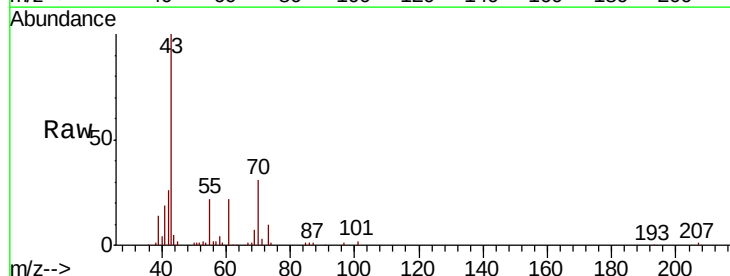
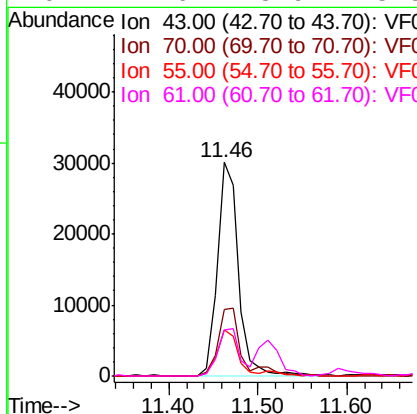
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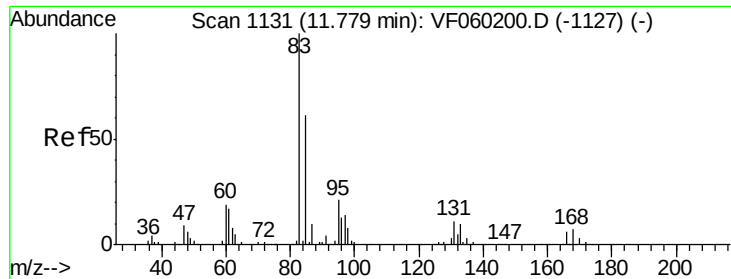
apatel
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#74
N-ethyl acetate
Concen: 25.52 ug/l
RT: 11.46 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	49859		
70	31.4	25.8	38.6	
55	21.7	16.8	25.2	
61	21.6	18.9	28.3	





#75

1,1,2,2-Tetrachloroethane

Concen: 24.25 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

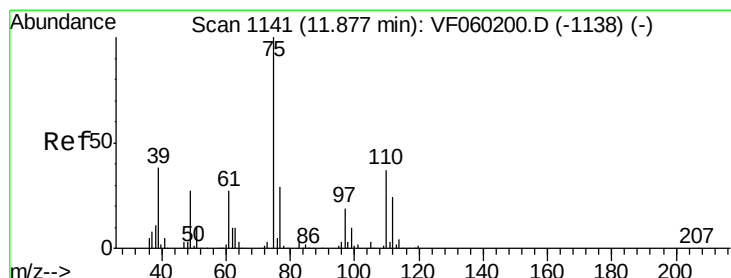
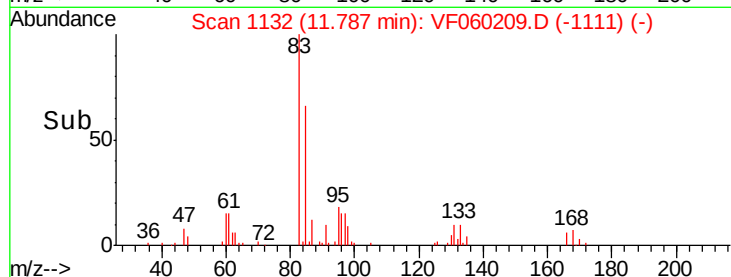
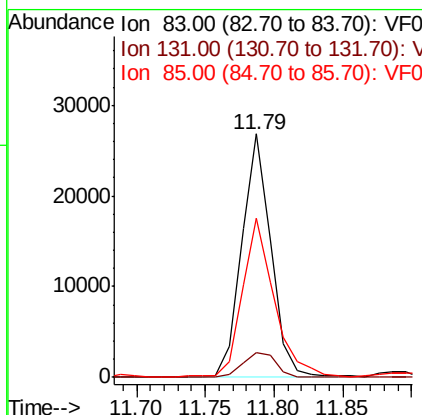
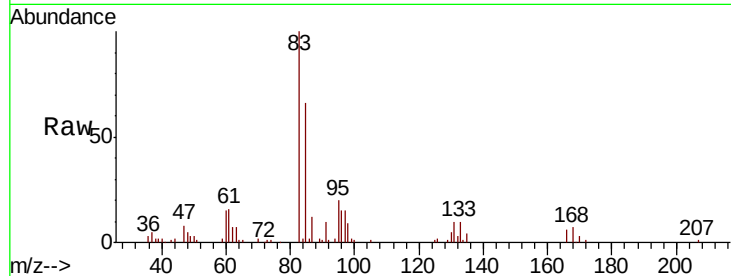
ClientSampleId :

VF0907SBS01

Tot Ion:	83	Resp:	39826
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.5	16.4
85	65.5	31.1	93.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.76 ug/l

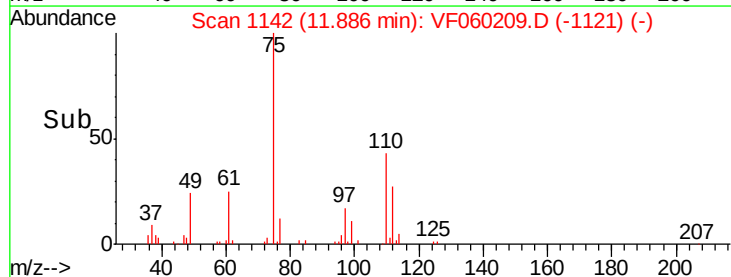
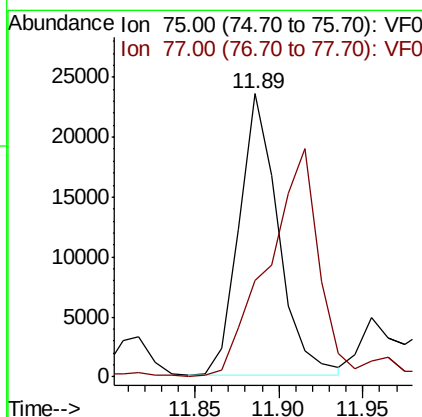
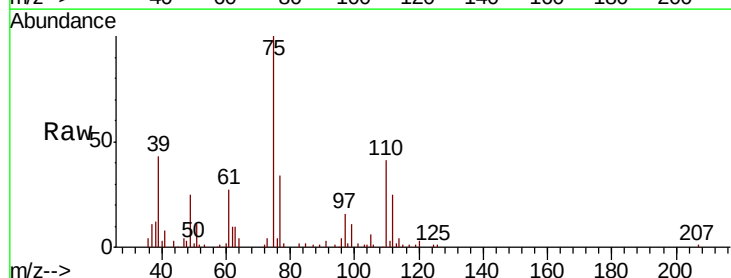
RT: 11.89 min Scan# 1142

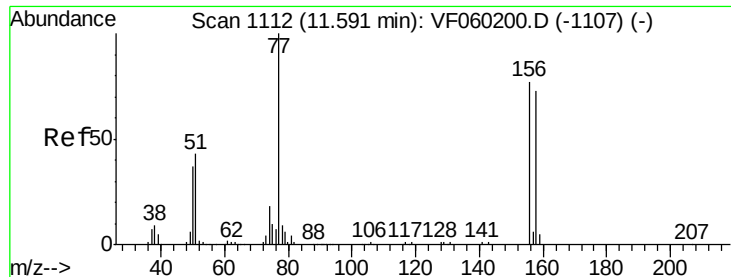
Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	75	Resp:	37864
Ion Ratio	Lower	Upper	
75	100		
77	34.2	14.6	43.8





#77

Bromobenzene

Concen: 19.53 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBSD01

Tot Ion:156 Resp: 55851

Ion Ratio Lower Upper

156 100

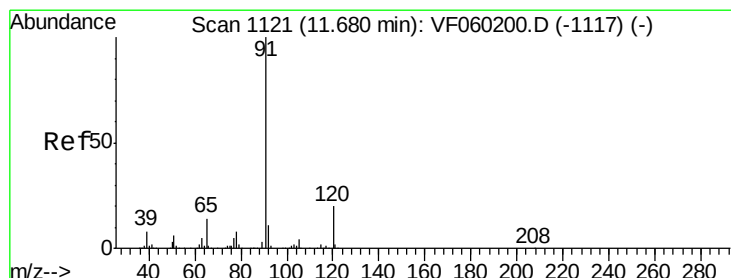
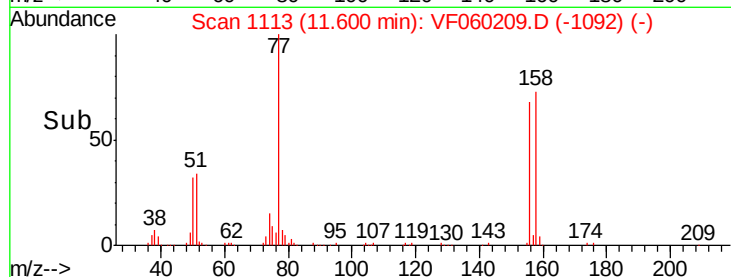
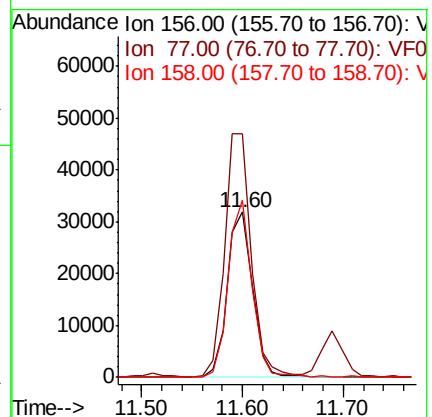
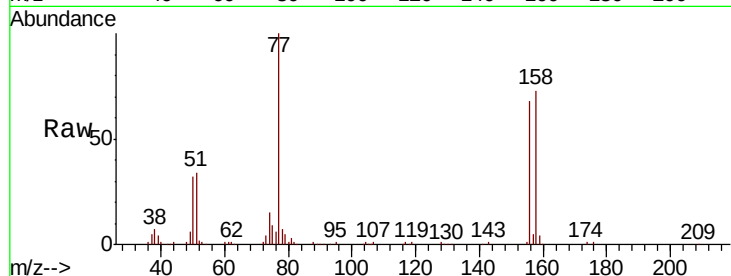
77 147.3 64.8 194.3

158 107.5 47.3 141.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.62 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060209.D

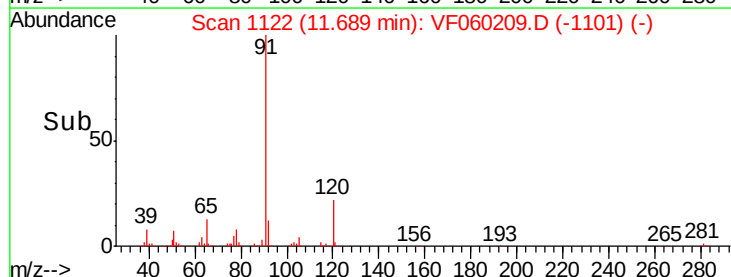
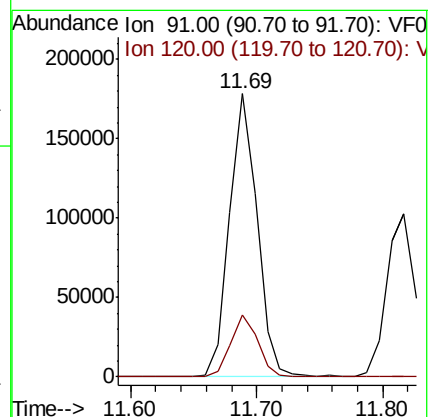
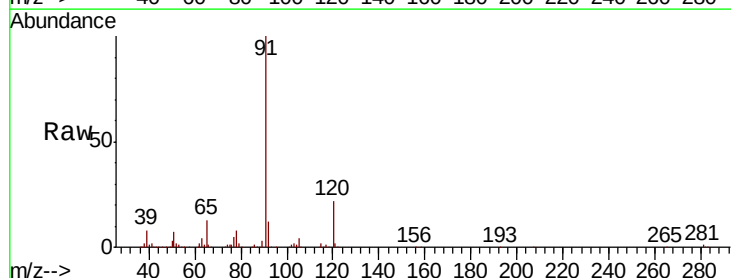
Acq: 7 Sep 2018 14:39

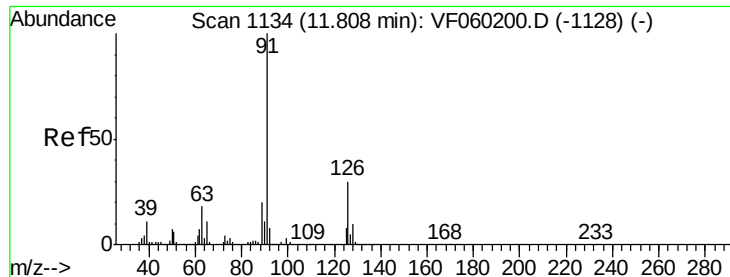
Tgt Ion: 91 Resp: 269849

Ion Ratio Lower Upper

91 100

120 21.9 9.8 29.4





#79

2-Chlorotoluene

Concen: 20.53 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBSD01

Tot Ion: 91 Resp: 162280

Ion Ratio Lower Upper

91 100

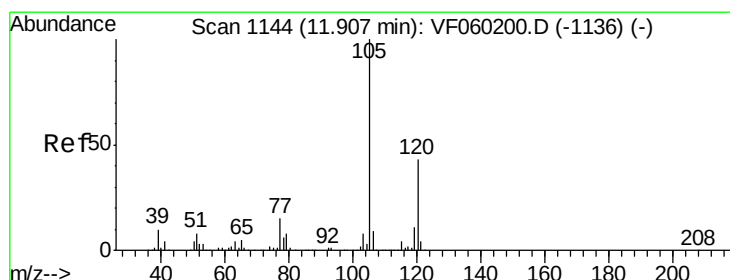
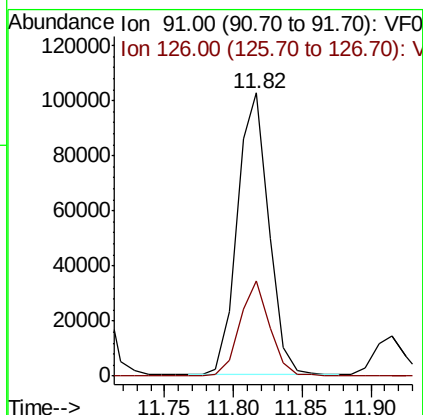
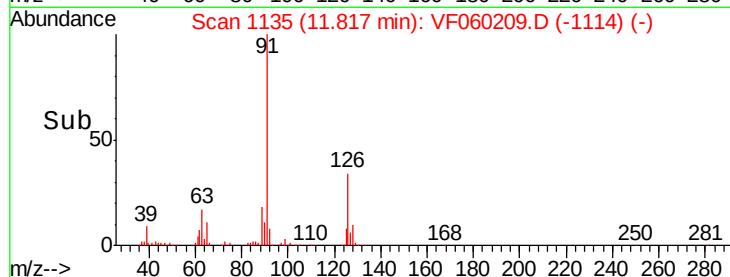
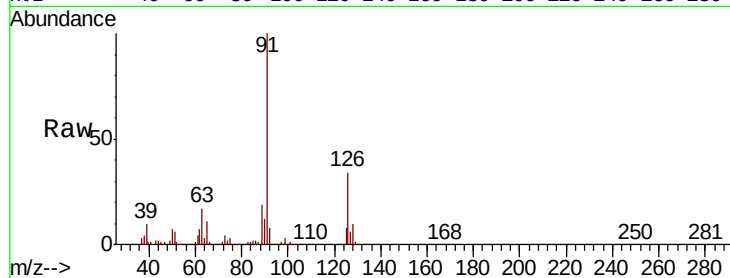
126 33.6 15.2 45.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.50 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF060209.D

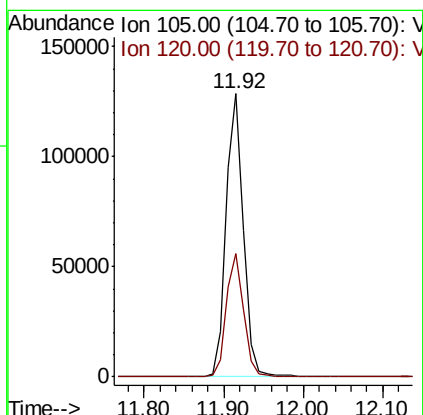
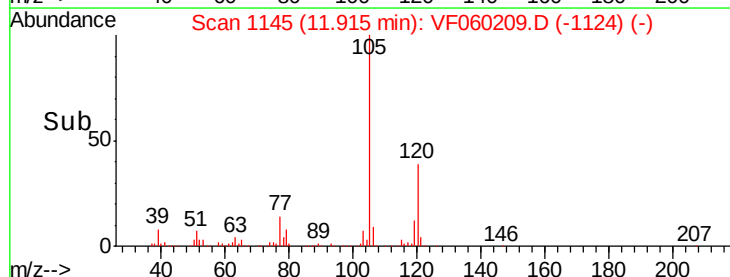
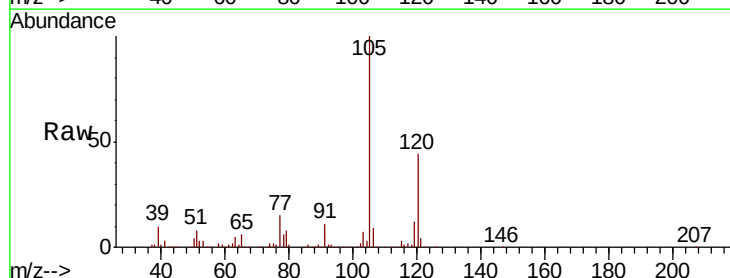
Acq: 7 Sep 2018 14:39

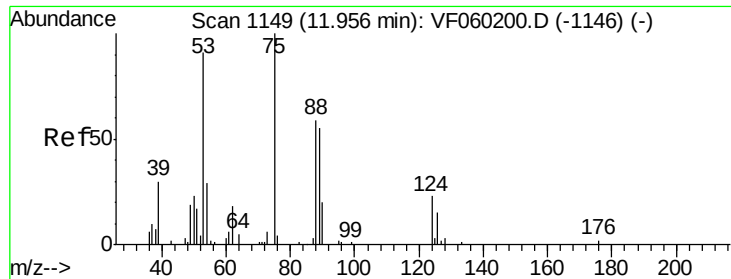
Tgt Ion: 105 Resp: 197665

Ion Ratio Lower Upper

105 100

120 43.7 21.6 64.8





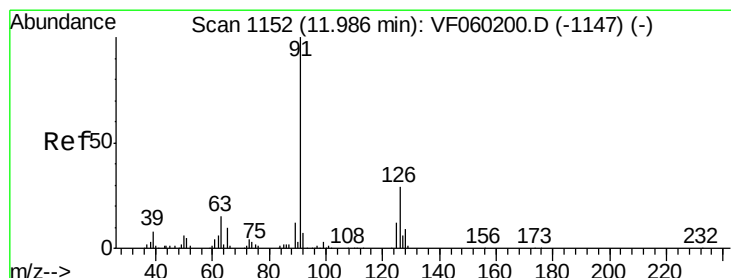
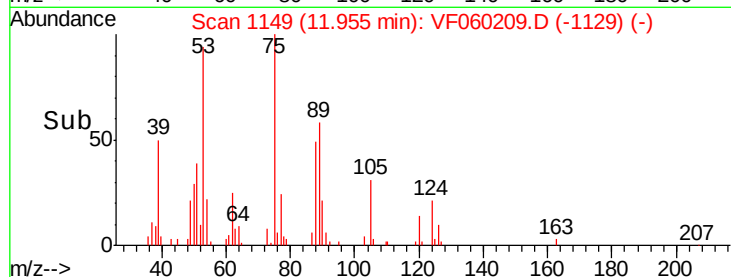
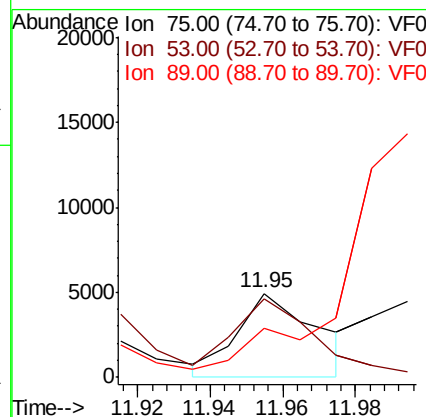
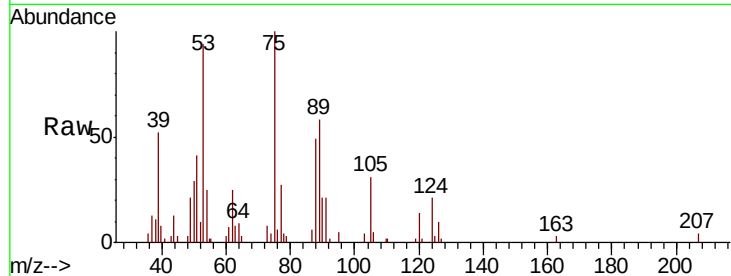
#81
trans-1,4-Dichloro-2-butene
Concen: 20.20 ug/l m
RT: 11.95 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	76.5	114.7
89	58.1	46.5	69.7

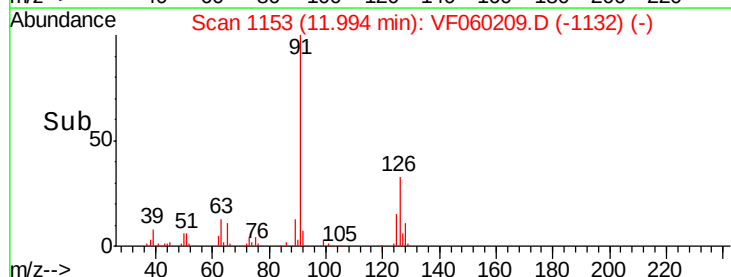
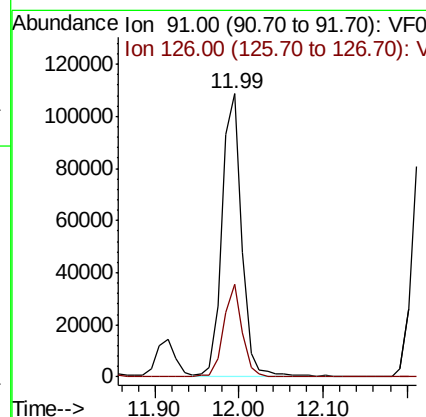
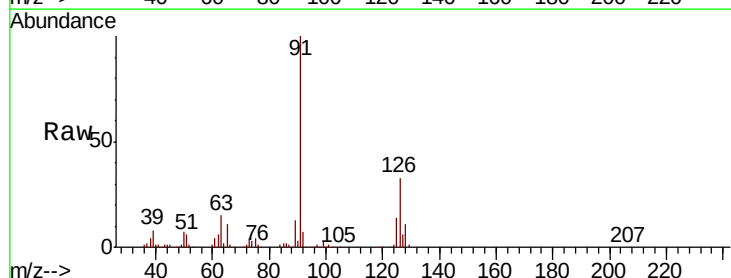
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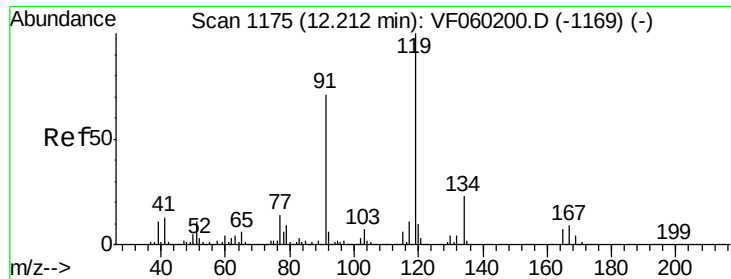
apatel
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#82
4-Chlorotoluene
Concen: 19.98 ug/l
RT: 11.99 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	14.4	43.4





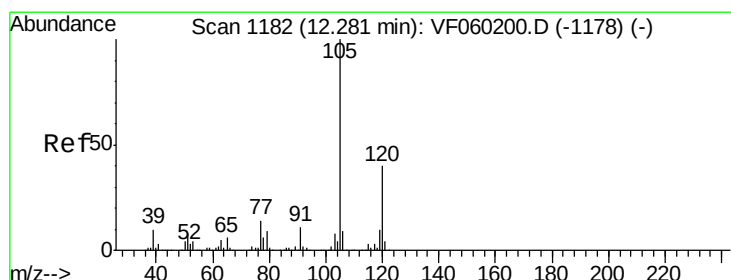
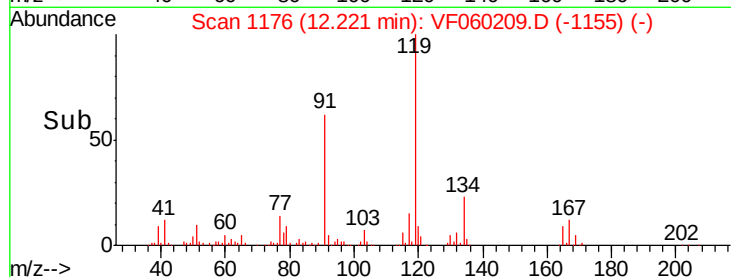
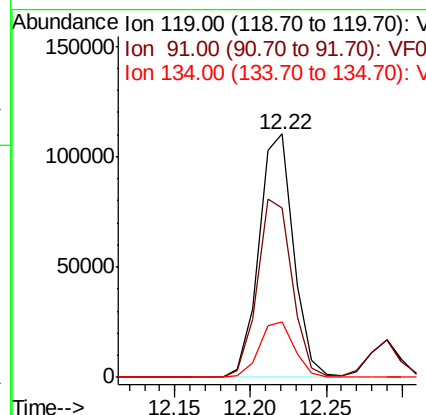
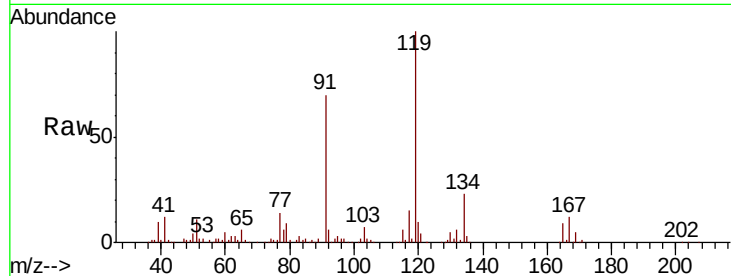
#83
tert-Butylbenzene
Concen: 20.13 ug/l
RT: 12.22 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.8	35.8	107.4
134	23.0	11.6	34.7

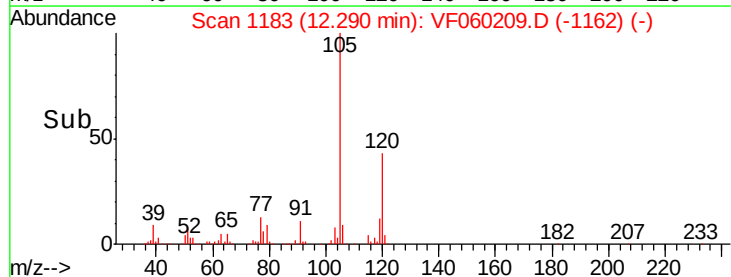
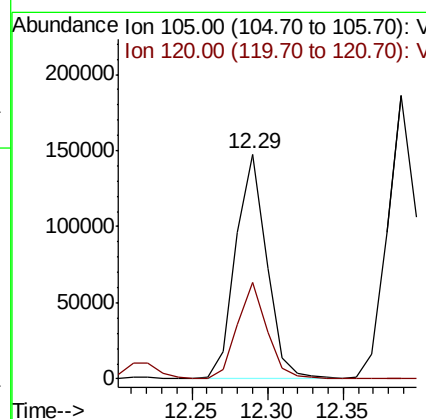
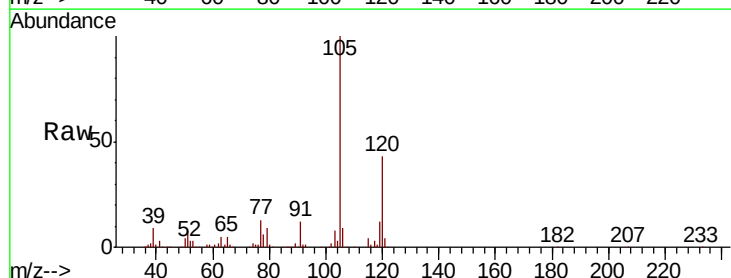
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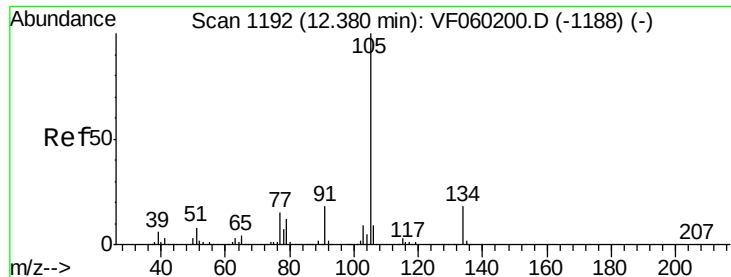
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#84
1,2,4-Trimethylbenzene
Concen: 21.52 ug/l
RT: 12.29 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	20.2	60.5





#85

sec-Butylbenzene

Concen: 21.31 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

ClientSampleId :

VF0907SBS01

Tot Ion:105 Resp: 258242

Ion Ratio Lower Upper

105 100

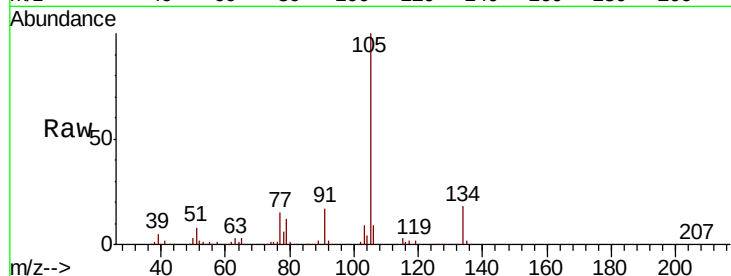
134 17.8 8.8 26.5

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

200000

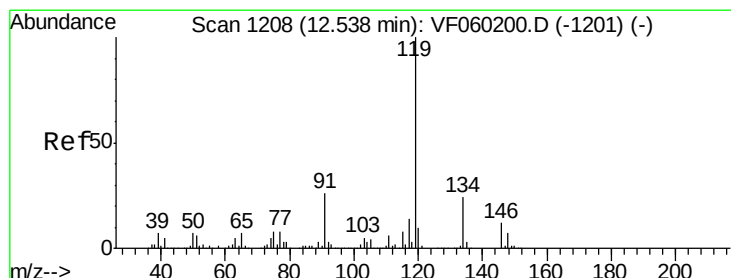
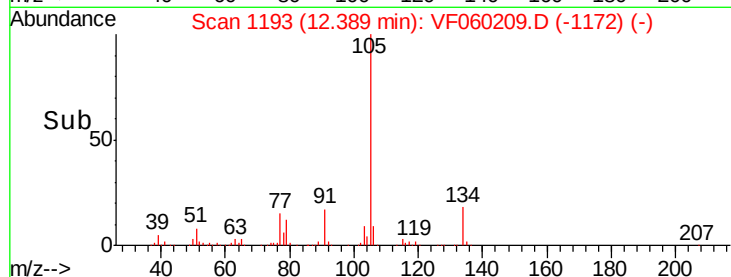
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 21.39 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

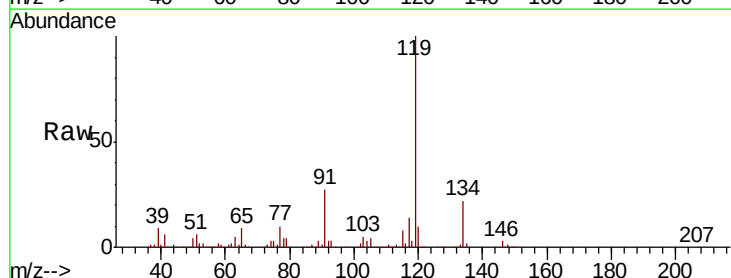
Tgt Ion:119 Resp: 230239

Ion Ratio Lower Upper

119 100

134 22.5 12.0 36.0

91 27.0 12.9 38.7



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): V

12.54

200000

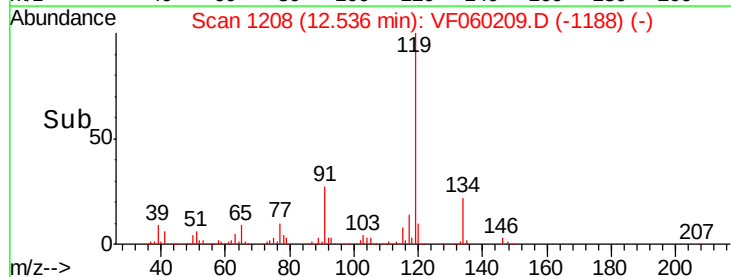
150000

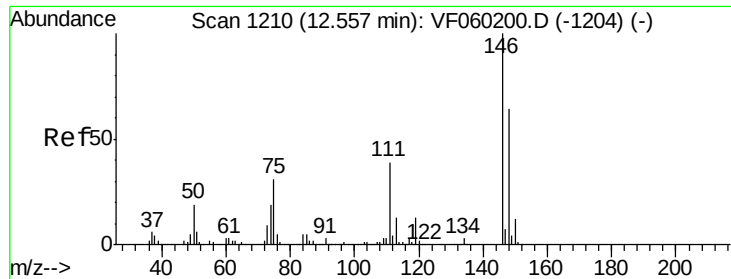
100000

50000

0

Time--> 12.40 12.50 12.60





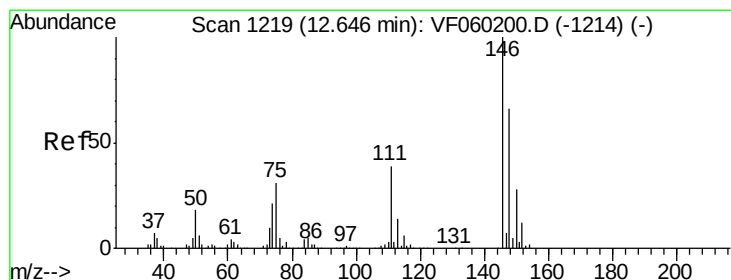
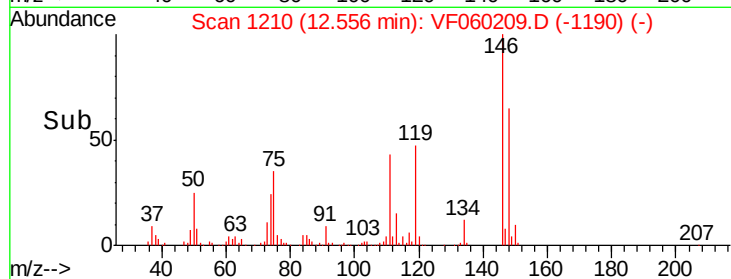
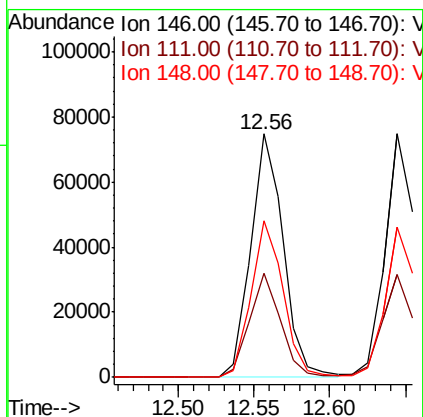
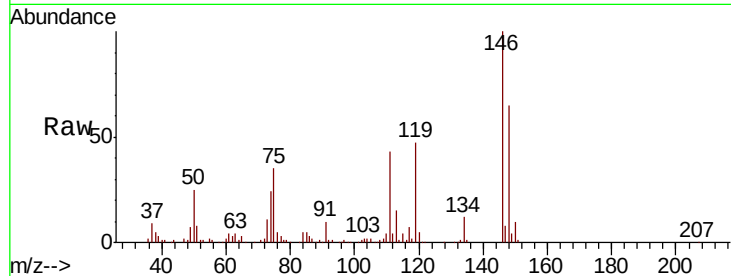
#87
 1,3-Dichlorobenzene
 Concen: 21.49 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0907SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112320		
111	42.6	19.7	59.1	
148	64.6	32.0	96.0	

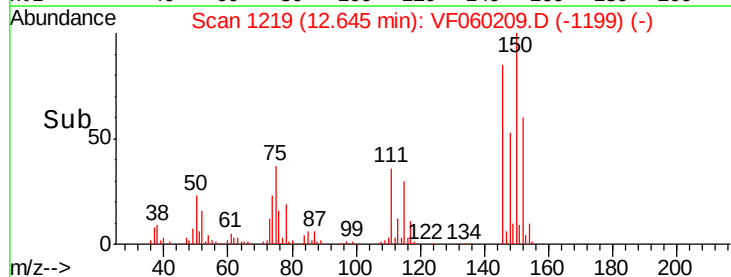
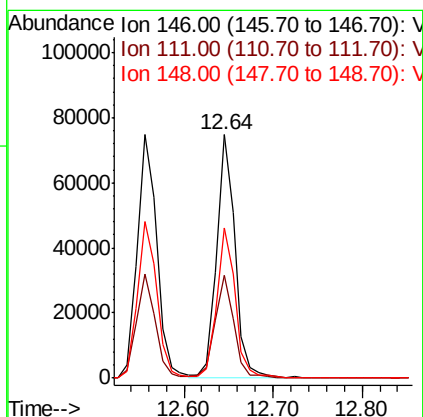
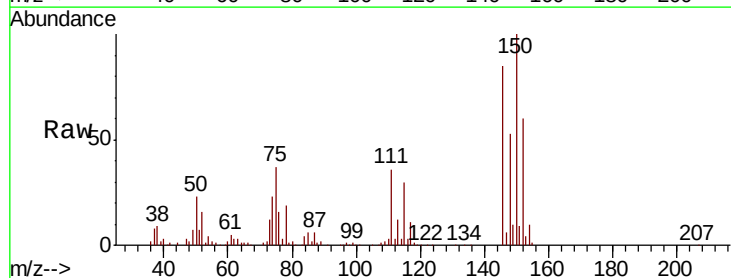
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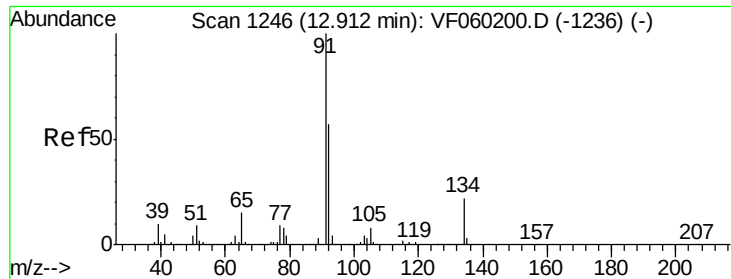
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#88
 1,4-Dichlorobenzene
 Concen: 21.05 ug/l
 RT: 12.64 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	108882		
111	42.5	19.7	59.1	
148	61.8	33.1	99.5	





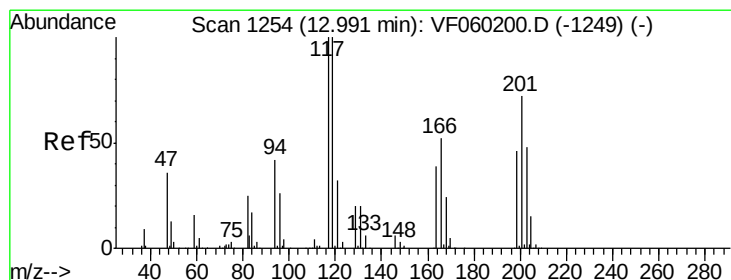
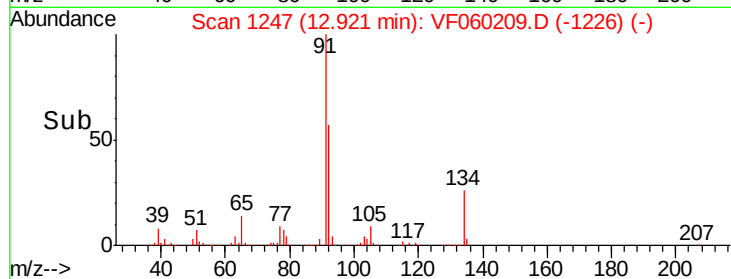
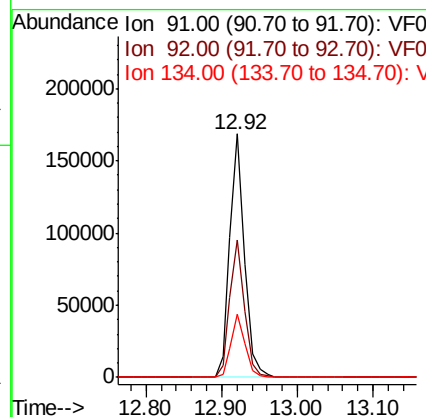
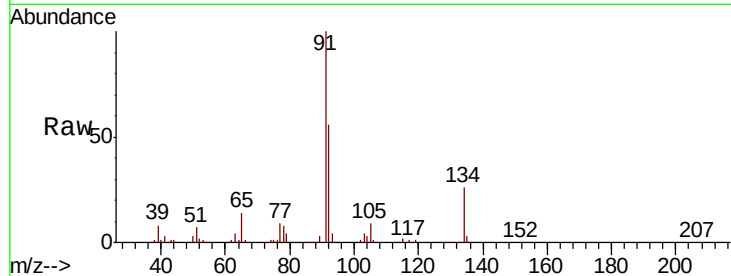
#89
n-Butylbenzene
Concen: 21.87 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	227650		
92	56.4		28.4	85.3
134	25.8		11.1	33.3

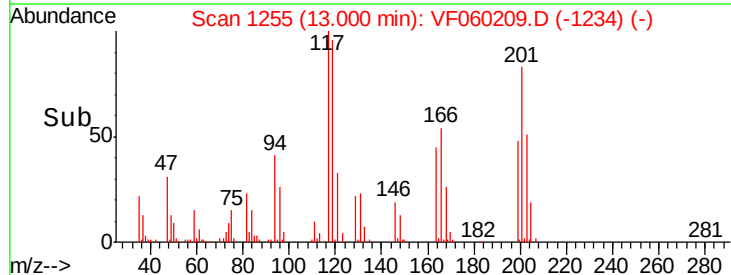
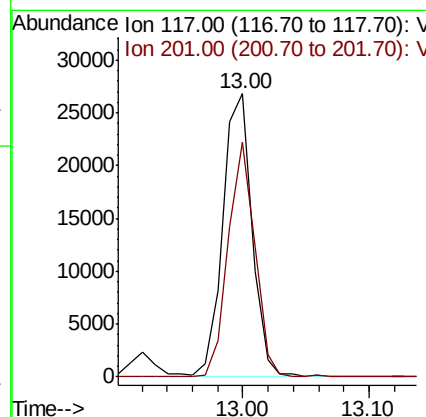
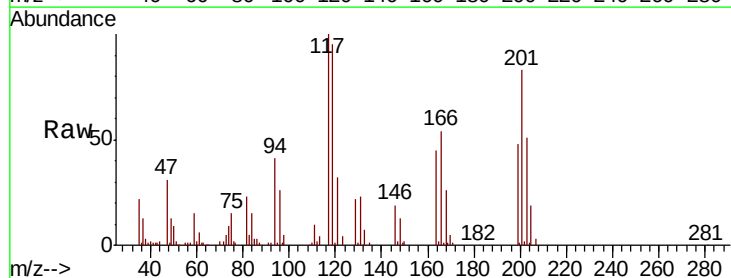
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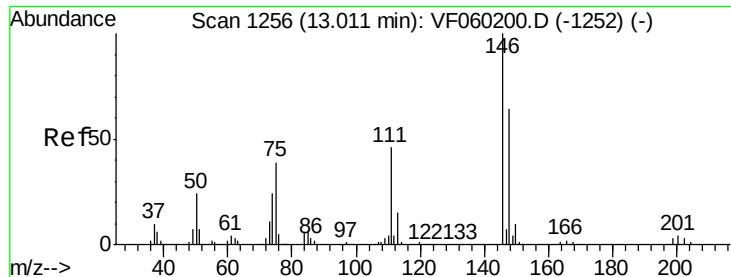
apatel
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#90
Hexachloroethane
Concen: 19.74 ug/l
RT: 13.00 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43063		
201	84.7		35.7	107.1





#91

1,2-Dichlorobenzene

Concen: 22.19 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Instrument :

MSVOA_F

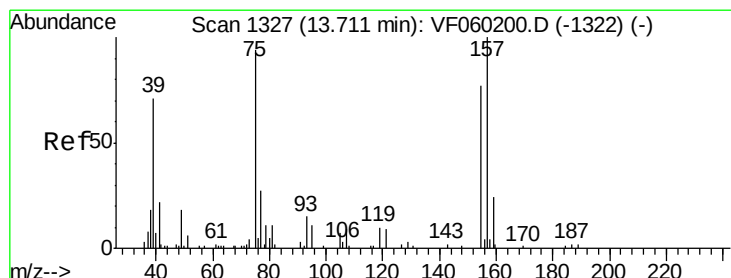
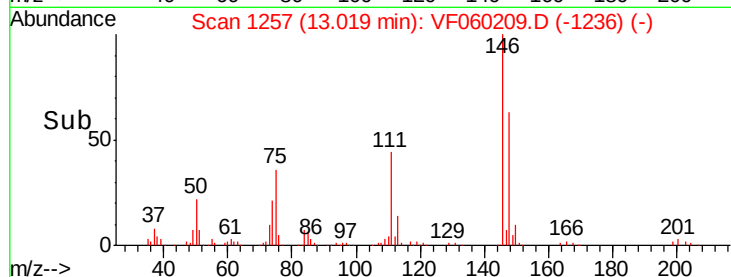
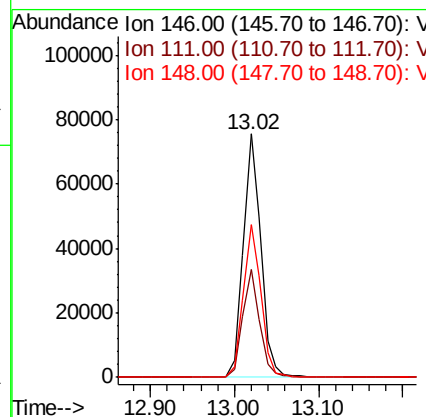
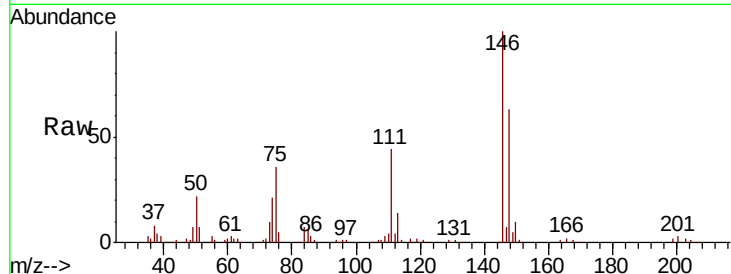
ClientSampleId :

VF0907SBS01

Tot Ion:	146	Resp:	110126
Ion Ratio	Lower	Upper	
146	100		
111	44.2	23.0	69.0
148	62.9	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.78 ug/l

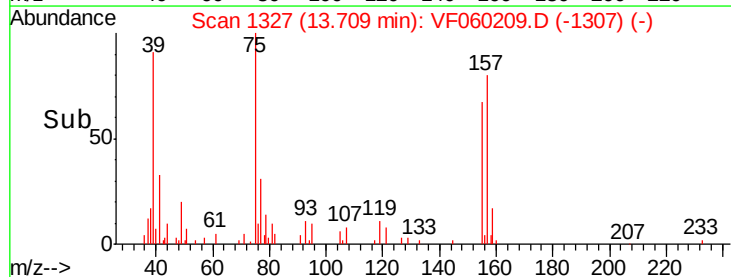
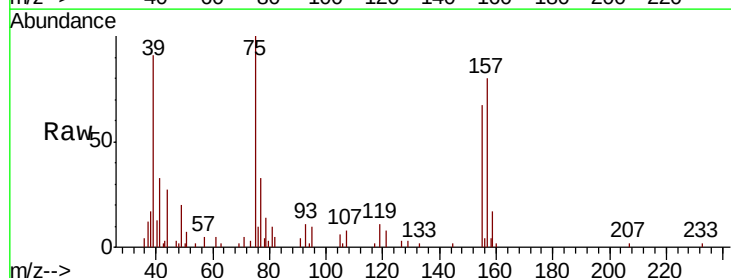
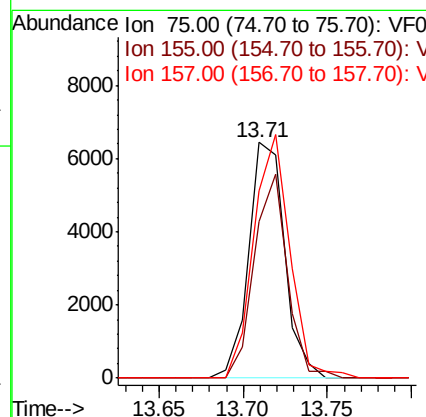
RT: 13.71 min Scan# 1327

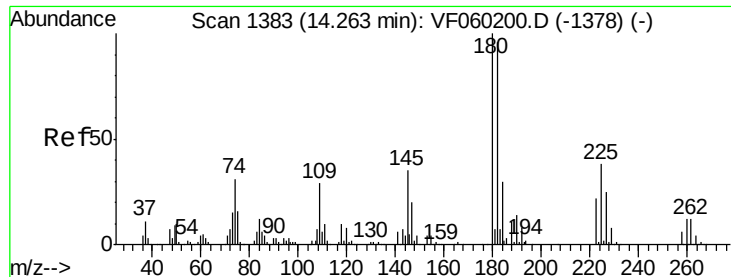
Delta R.T. -0.00 min

Lab File: VF060209.D

Acq: 7 Sep 2018 14:39

Tgt Ion:	75	Resp:	9546
Ion Ratio	Lower	Upper	
75	100		
155	66.7	40.8	122.5
157	79.6	53.3	159.9





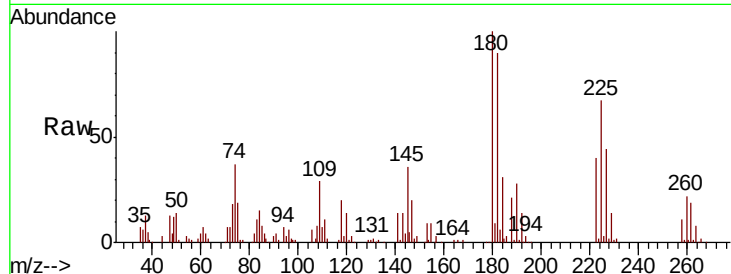
#93
 1,2,4-Trichlorobenzene
 Concen: 22.35 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0907SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	85696		
182	89.8	48.2	144.6	
145	36.0	17.4	52.2	

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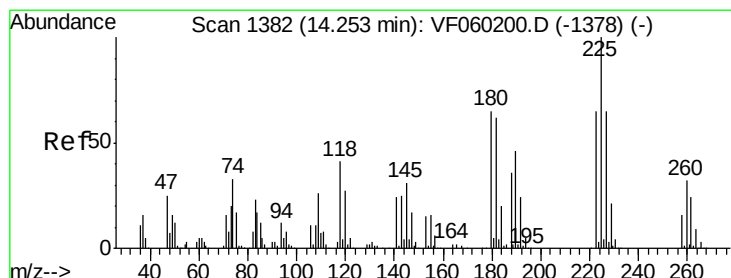
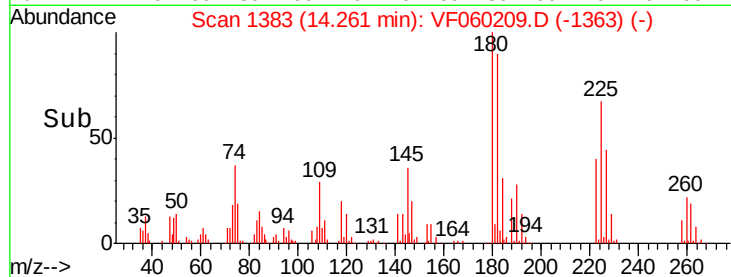
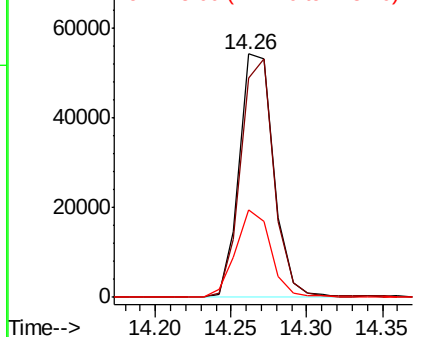


Abundance

Ion 180.00 (179.70 to 180.70): V

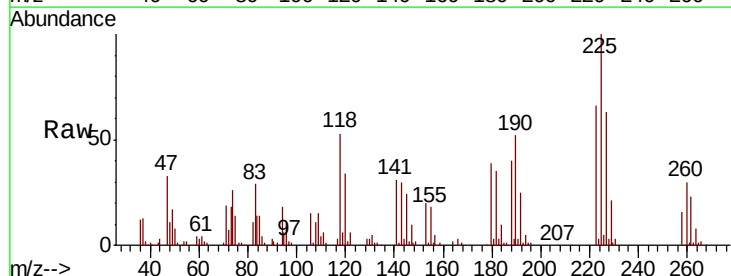
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 20.88 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060209.D
 Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57063		
223	66.0	32.3	96.8	
227	62.5	32.4	97.0	

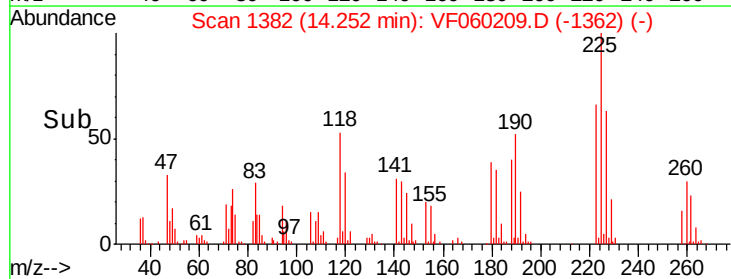
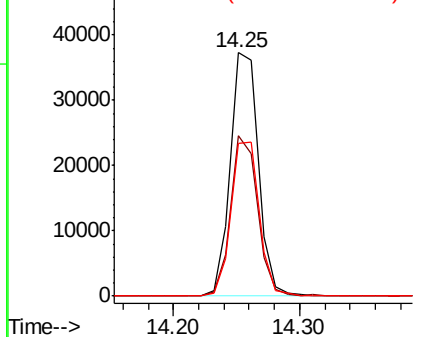


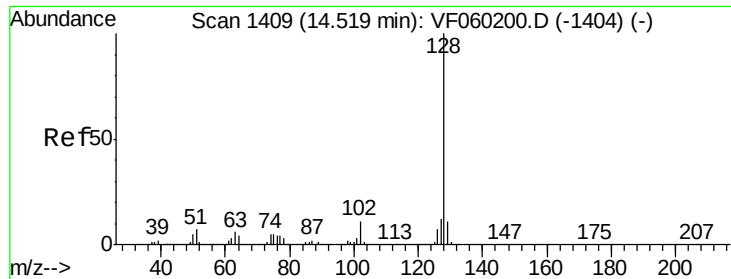
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





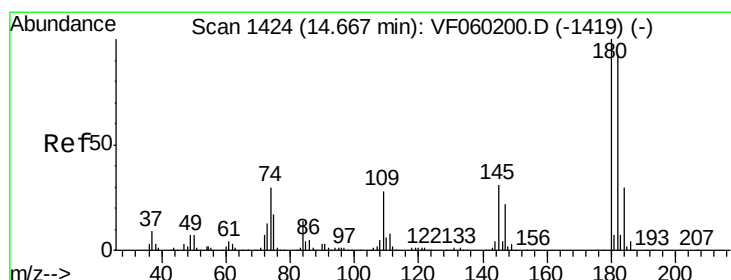
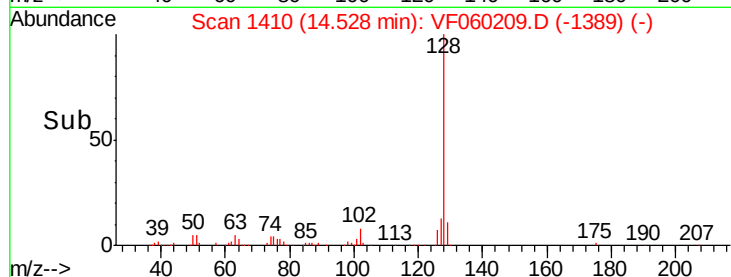
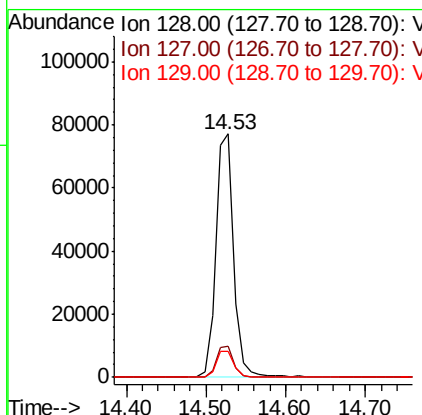
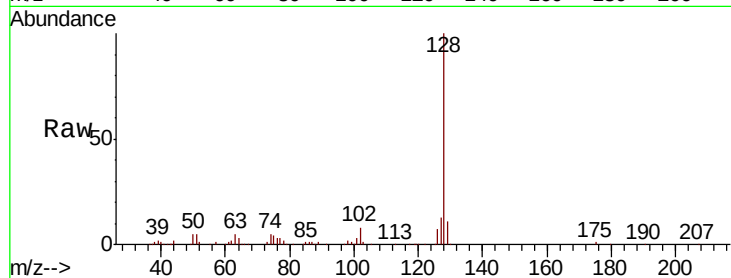
#95
Naphthalene
Concen: 21.93 ug/l
RT: 14.53 min Scan# 1410
Delta R.T. 0.01 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Instrument :
MSVOA_F
ClientSampleId :
VF0907SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	122014		
127	12.8		9.9	14.9
129	10.7		8.9	13.3

Manual Integrations
APPROVED

apatel
9/10/2018 3:31:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.40 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060209.D
Acq: 7 Sep 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	80645		
182	93.3		46.6	139.7
145	34.4		15.7	47.0

