

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056654.D
 Acq On : 23 Feb 2018 14:16
 Operator : JC/SY
 Sample : VF0223SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Manual Integrations
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 2/26/2018 10:57:58 AM

Quant Time: Feb 24 01:00:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.79	168	444421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.52	114	690209	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.69	117	686205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	360648	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.76	65	269331	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	4.02	113	259498	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	7.47	98	742934	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.34	95	363592	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.93	85	90466	20.18	ug/l	94
3) Chloromethane	1.01	50	88840	17.77	ug/l	98
4) Vinyl Chloride	1.08	62	70433	19.83	ug/l	98
5) Bromomethane	1.25	94	42060	21.18	ug/l	91
6) Chloroethane	1.33	64	21925	14.94	ug/l #	84
7) Trichlorofluoromethane	1.39	101	68839m	18.59	ug/l	
8) Diethyl Ether	1.60	74	26890	20.24	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.77	101	66092	21.08	ug/l	93
10) Methyl Iodide	1.80	142	119927m	20.52	ug/l	
11) Tert butyl alcohol	2.51	59	42049	115.95	ug/l	96
12) 1,1-Dichloroethene	1.71	96	55646	19.27	ug/l	92
13) Acrolein	1.95	56	43427	111.87	ug/l	95
14) Allyl chloride	2.05	41	99189	19.98	ug/l	92
15) Acrylonitrile	2.88	53	95367	104.36	ug/l	94
16) Acetone	2.19	43	166003	104.99	ug/l	99
17) Carbon Disulfide	1.72	76	152665	20.27	ug/l #	92
18) Methyl Acetate	2.30	43	67206m	19.28	ug/l	
19) Methyl tert-butyl Ether	2.37	73	184546	21.61	ug/l	98
20) Methylene Chloride	2.13	84	65762	21.85	ug/l	95
21) trans-1,2-Dichloroethene	2.26	96	62432	20.52	ug/l	98
22) Diisopropyl ether	2.74	45	229370	20.61	ug/l	99
23) Vinyl Acetate	3.11	43	890223	98.30	ug/l	98
24) 1,1-Dichloroethane	2.81	63	127454	20.73	ug/l	99
25) 2-Butanone	4.24	43	260428	92.62	ug/l	99
26) 2,2-Dichloropropane	3.53	77	71622	21.05	ug/l	98
27) cis-1,2-Dichloroethene	3.40	96	96940	18.96	ug/l	95
28) Bromochloromethane	3.65	49	69048	18.73	ug/l #	88
29) Tetrahydrofuran	3.98	42	119995	92.17	ug/l	99
30) Chloroform	3.77	83	176005	20.00	ug/l	96
31) Cyclohexane	3.63	56	121752	18.44	ug/l	91
32) 1,1,1-Trichloroethane	4.02	97	115796	21.72	ug/l	96
36) 1,1-Dichloropropene	4.20	75	133490	20.54	ug/l	100
37) Ethyl Acetate	4.03	43	108846	18.73	ug/l #	88
38) Carbon Tetrachloride	3.91	117	102900	21.27	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.38	83	138778	19.74	ug/l	97
40) Benzene	4.55	78	321732	19.52	ug/l	95
41) Methacrylonitrile	4.66	41	53236	18.87	ug/l #	95
42) 1,2-Dichloroethane	4.86	62	136661	21.33	ug/l	95
43) Isopropyl Acetate	6.88	43	139308	19.55	ug/l	98
44) Trichloroethene	5.43	130	96300	19.91	ug/l	99
45) 1,2-Dichloropropane	6.15	63	91401	19.46	ug/l	93
46) Dibromomethane	6.00	93	73169	20.25	ug/l	95
47) Bromodichloromethane	6.30	83	133463	19.99	ug/l	97
48) Methyl methacrylate	6.63	41	85624	20.51	ug/l	95
49) 1,4-Dioxane	6.62	88	15492	360.01	ug/l	95
51) 4-Methyl-2-Pentanone	8.18	43	501583	102.93	ug/l	98
52) Toluene	7.54	92	212025	19.32	ug/l	94
53) t-1,3-Dichloropropene	8.19	75	139723	20.78	ug/l	96
54) cis-1,3-Dichloropropene	7.21	75	158431	20.25	ug/l	98
55) 1,1,2-Trichloroethane	8.40	97	86513	19.90	ug/l	95
56) Ethyl methacrylate	8.54	69	118411	20.85	ug/l	97
57) 1,3-Dichloropropane	8.76	76	148159	19.60	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.54	63	34759	45.02	ug/l	100
59) 2-Hexanone	9.40	43	394436	99.73	ug/l	99
60) Dibromochloromethane	8.62	129	109036	20.68	ug/l	99
61) 1,2-Dibromoethane	8.89	107	102355	20.33	ug/l	97
64) Tetrachloroethene	8.07	164	87142	17.64	ug/l	94
65) Chlorobenzene	9.71	112	253044	18.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.84	131	88810	19.16	ug/l	99
67) Ethyl Benzene	9.82	91	439366	19.16	ug/l	99
68) m/p-Xylenes	10.04	106	316961	37.79	ug/l	86
69) o-Xylene	10.64	106	172035	19.76	ug/l	93
70) Styrene	10.70	104	265257	19.23	ug/l	98
71) Bromoform	10.68	173	69409	18.71	ug/l #	95
73) Isopropylbenzene	11.05	105	462343	19.46	ug/l	95
74) N-amyl acetate	11.31	43	196469	18.49	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.62	83	137691	19.16	ug/l	97
76) 1,2,3-Trichloropropane	11.72	75	106863	19.38	ug/l	100
77) Bromobenzene	11.42	156	122042	18.94	ug/l	98
78) n-propylbenzene	11.52	91	564361	19.28	ug/l	98
79) 2-Chlorotoluene	11.65	91	342366	19.87	ug/l	98
80) 1,3,5-Trimethylbenzene	11.76	105	393994	20.02	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.80	75	56032	18.55	ug/l	91
82) 4-Chlorotoluene	11.83	91	362264	19.32	ug/l	97
83) tert-Butylbenzene	12.06	119	379160	19.89	ug/l	99
84) 1,2,4-Trimethylbenzene	12.13	105	397814	19.38	ug/l	96
85) sec-Butylbenzene	12.23	105	519546	19.80	ug/l	97
86) p-Isopropyltoluene	12.39	119	422054	20.03	ug/l	98
87) 1,3-Dichlorobenzene	12.40	146	225743	19.05	ug/l	99
88) 1,4-Dichlorobenzene	12.49	146	223759	19.67	ug/l	98
89) n-Butylbenzene	12.77	91	446234	18.37	ug/l	95
90) Hexachloroethane	12.84	117	76745	18.95	ug/l	95
91) 1,2-Dichlorobenzene	12.86	146	219660	19.32	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.56	75	24244	18.11	ug/l	97

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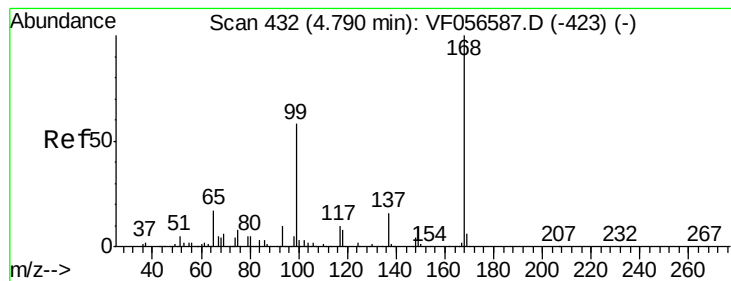
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.11	180	152999	19.82	ug/l	98
94) Hexachlorobutadiene	14.11	225	87388	19.85	ug/l	98
95) Naphthalene	14.37	128	382982	19.73	ug/l	97
96) 1,2,3-Trichlorobenzene	14.52	180	145581	19.52	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.79 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion:168 Resp: 444421

Ion Ratio Lower Upper

168 100

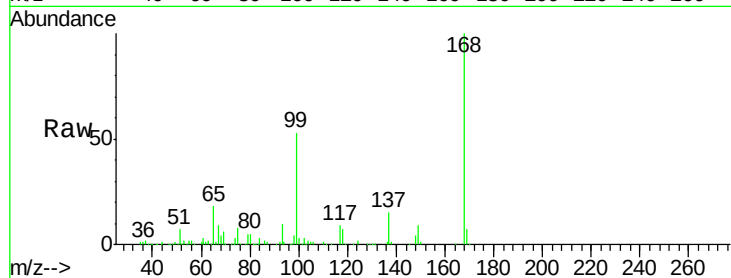
99 53.1 46.2 69.2

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

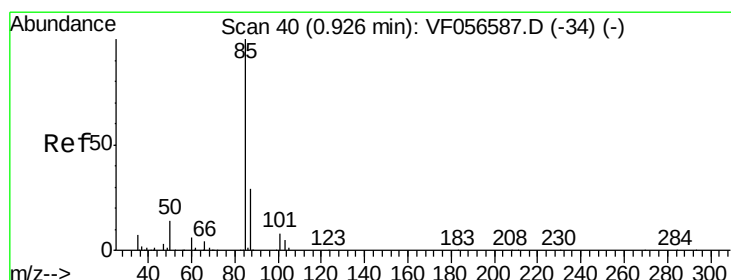
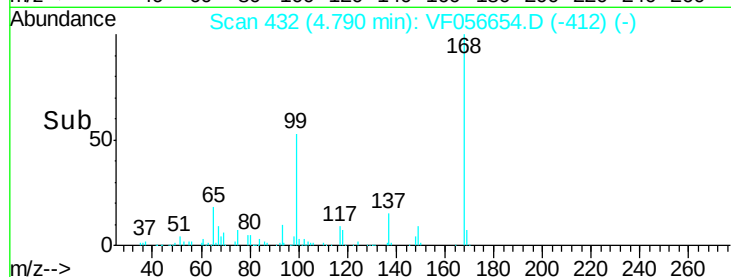
150000

100000

50000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 20.18 ug/l

RT: 0.93 min Scan# 40

Delta R.T. -0.00 min

Lab File: VF056654.D

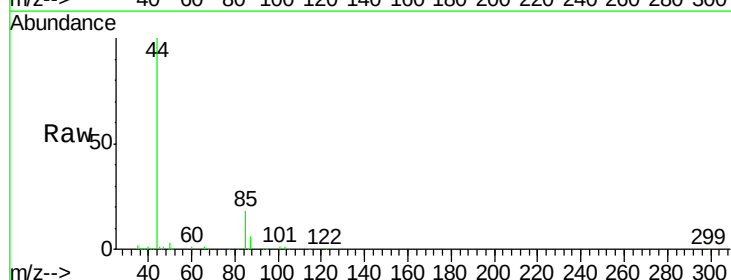
Acq: 23 Feb 2018 14:16

Tgt Ion: 85 Resp: 90466

Ion Ratio Lower Upper

85 100

87 32.4 14.7 44.1



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

25000

20000

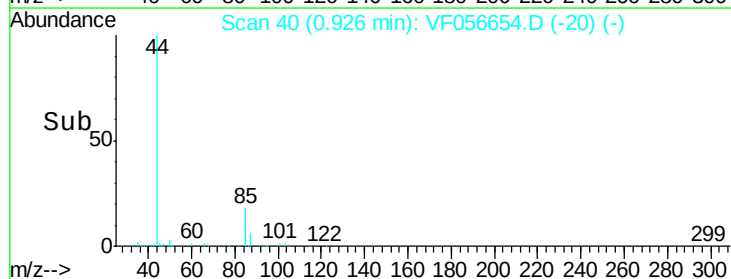
15000

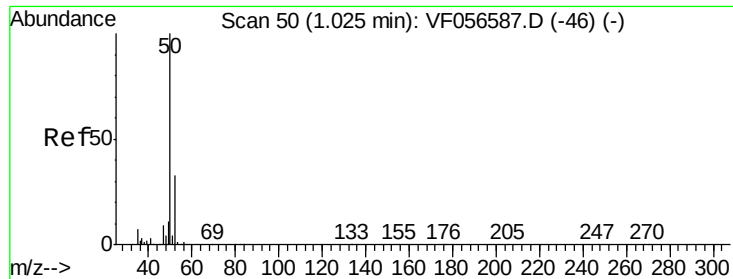
10000

5000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 17.77 ug/l

RT: 1.01 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

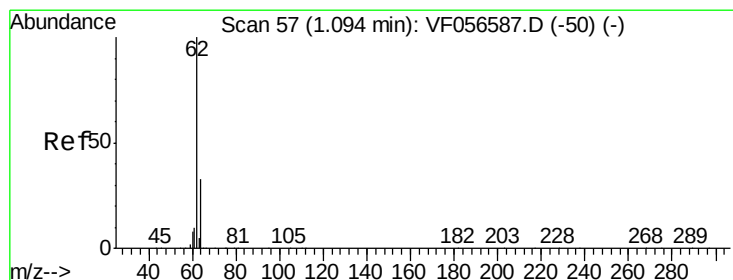
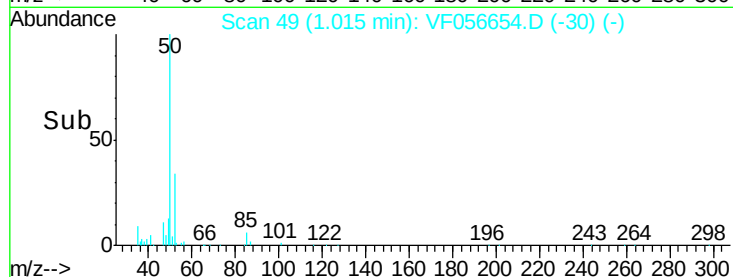
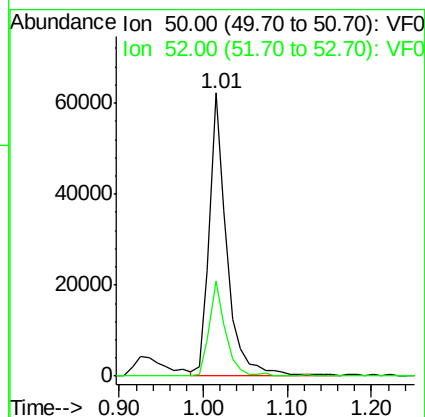
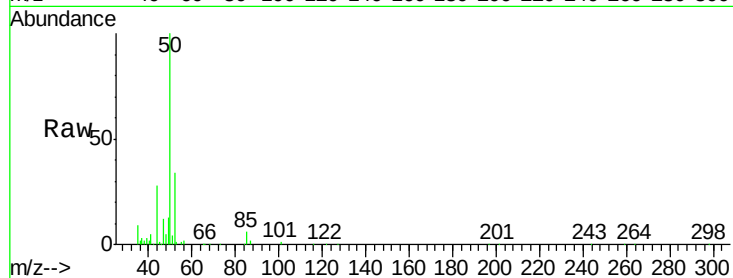
ClientSampleId :

VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.8	38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.83 ug/l

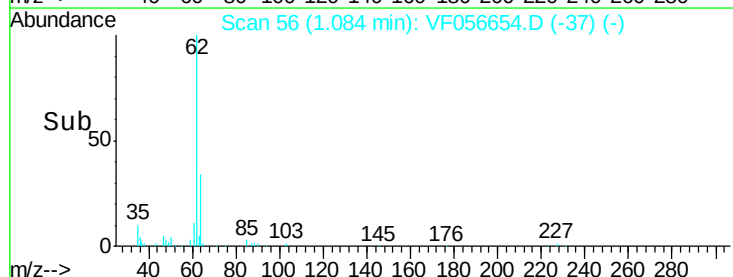
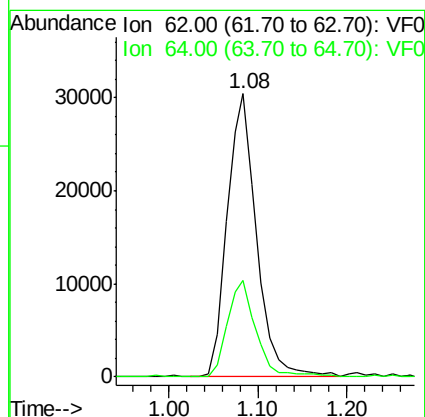
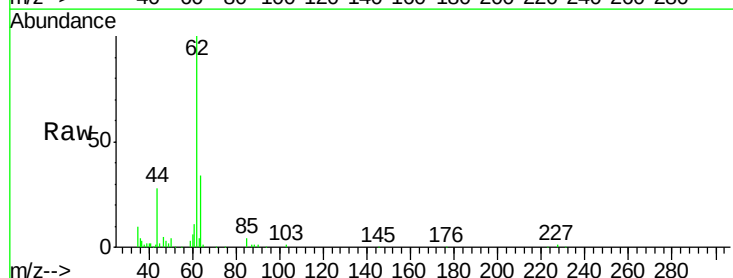
RT: 1.08 min Scan# 56

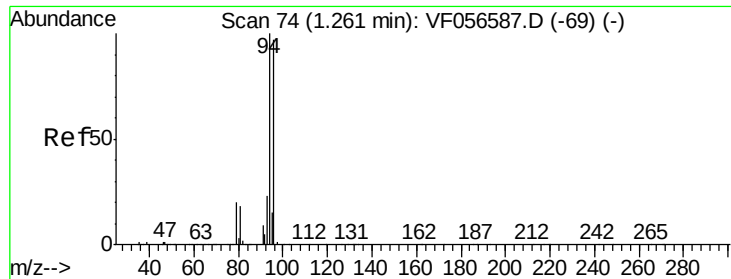
Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
62	100		
64	34.0	26.4	39.6





#5

Bromomethane

Concen: 21.18 ug/l

RT: 1.25 min Scan# 73

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 94 Resp: 42060

Ion Ratio Lower Upper

94 100

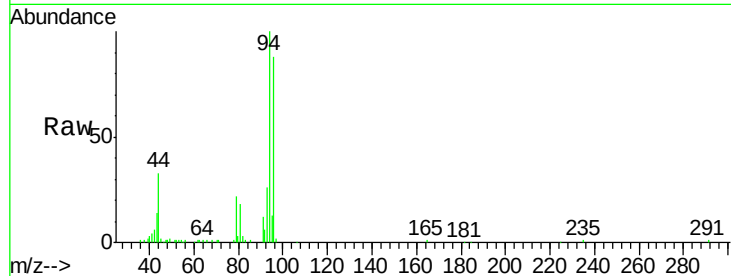
96 88.3 77.4 116.0

Manual Integrations

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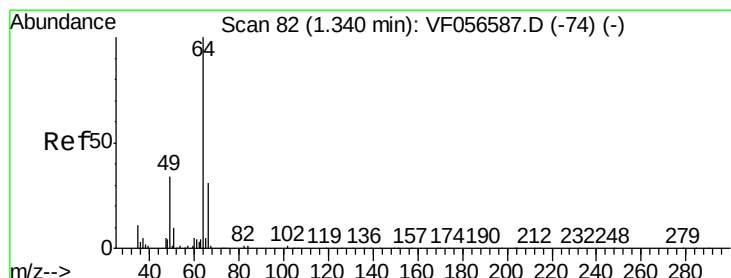
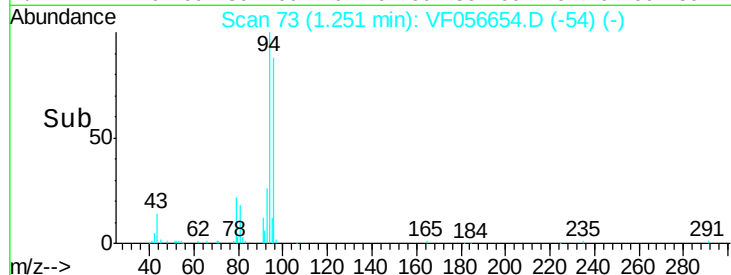
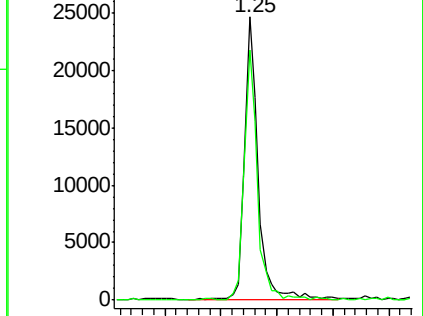
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 14.94 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF056654.D

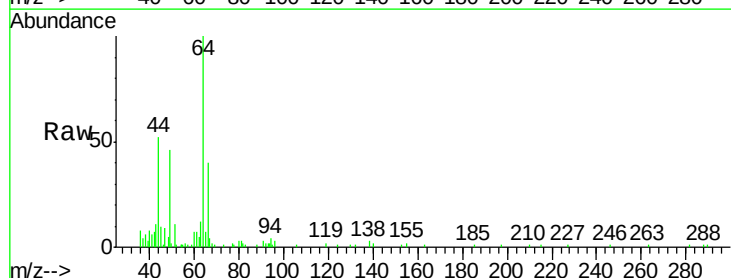
Acq: 23 Feb 2018 14:16

Tgt Ion: 64 Resp: 21925

Ion Ratio Lower Upper

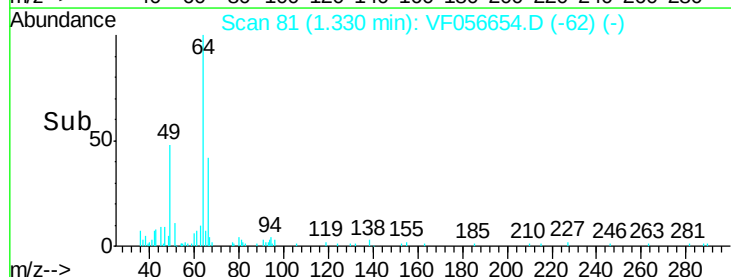
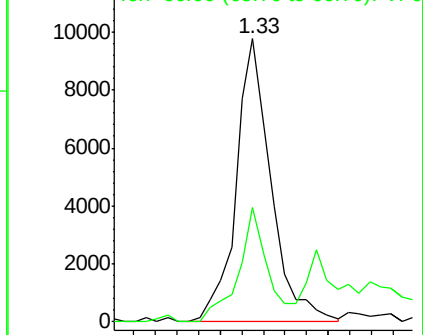
64 100

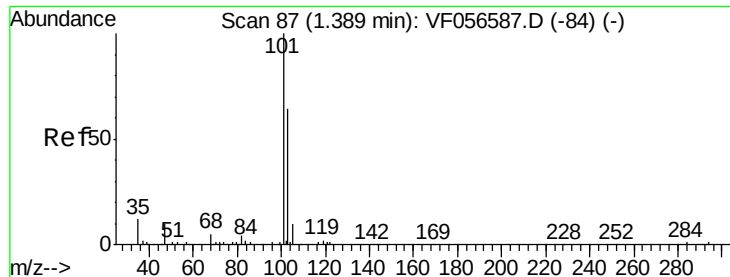
66 40.5 25.4 38.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

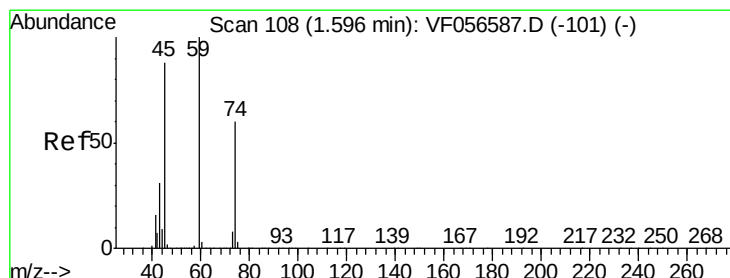
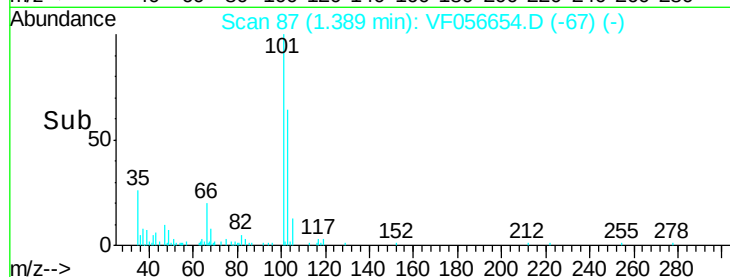
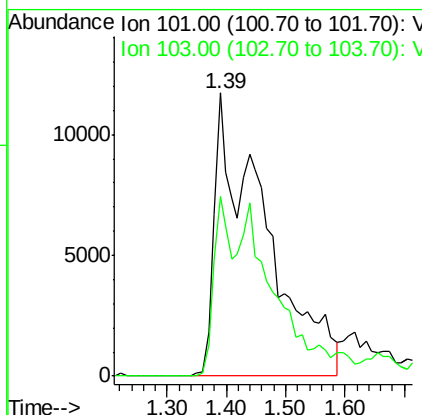
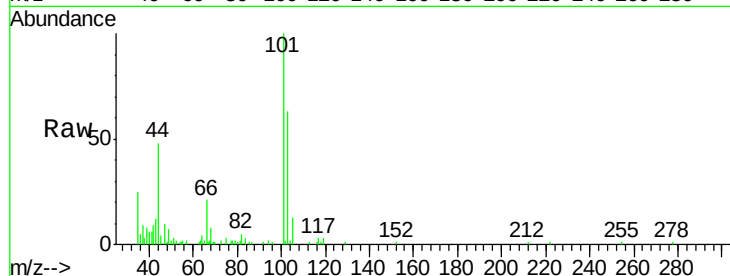
Trichlorofluoromethane
Concen: 18.59 ug/l m
RT: 1.39 min Scan# 87
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
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ClientSampled :
VF0223SBS01

Tgt Ion: 101 Resp: 68839
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.0

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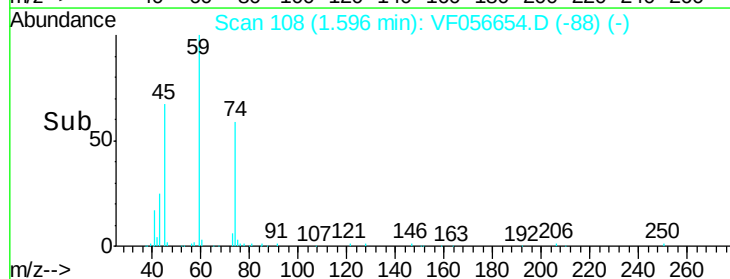
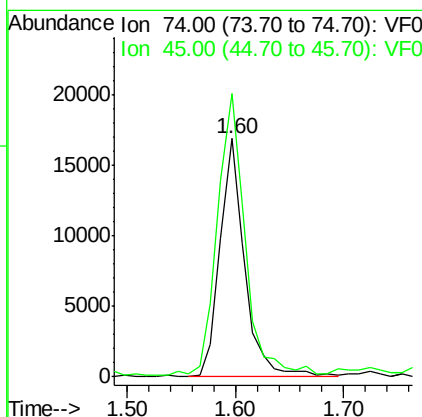
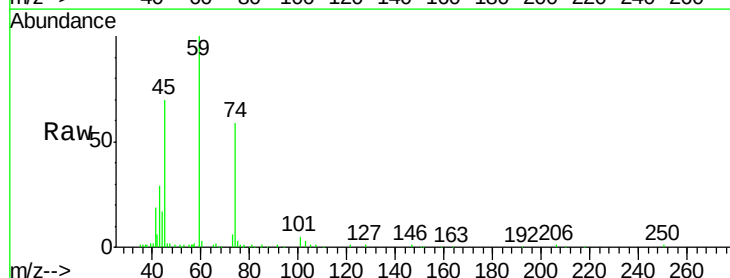
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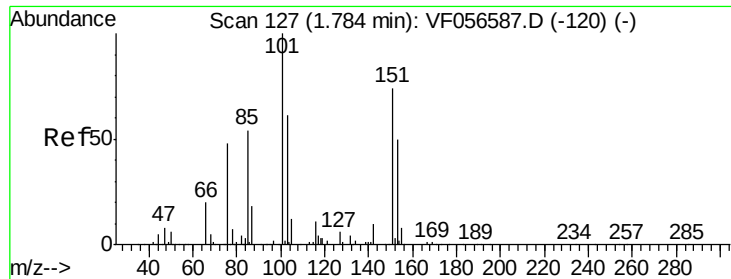


#8

Diethyl Ether
Concen: 20.24 ug/l
RT: 1.60 min Scan# 108
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion: 74 Resp: 26890
Ion Ratio Lower Upper
74 100
45 118.8 73.5 220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.08 ug/l

RT: 1.77 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

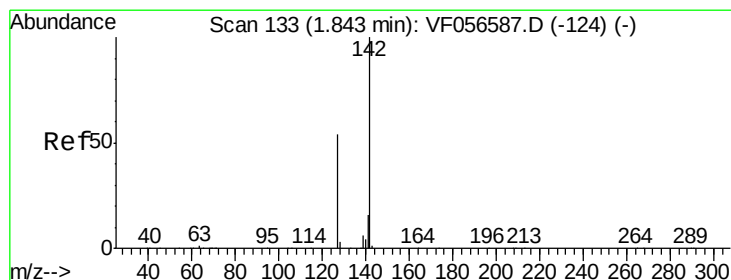
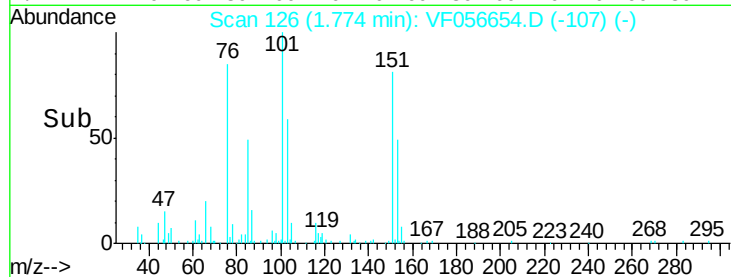
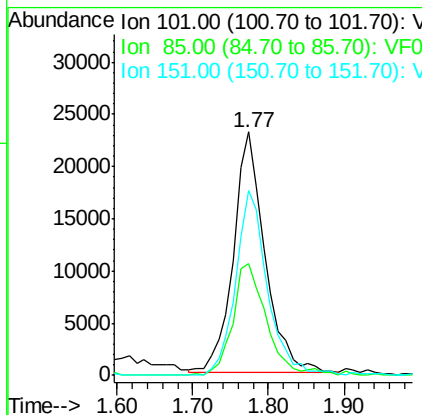
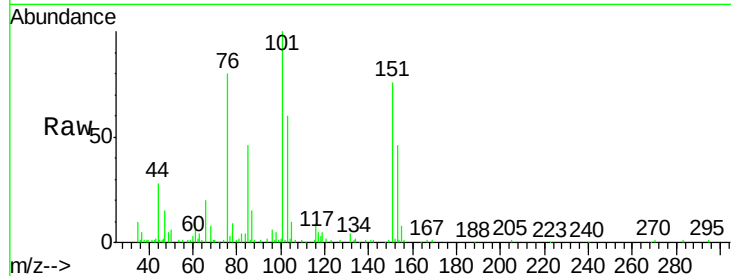
ClientSampleId :

VF0223SBS01

Tgt Ion:	101	Resp:	66092
Ion Ratio	Lower	Upper	
101	100		
85	45.9	41.7	62.5
151	76.0	56.6	85.0

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#10

Methyl Iodide

Concen: 20.52 ug/l m

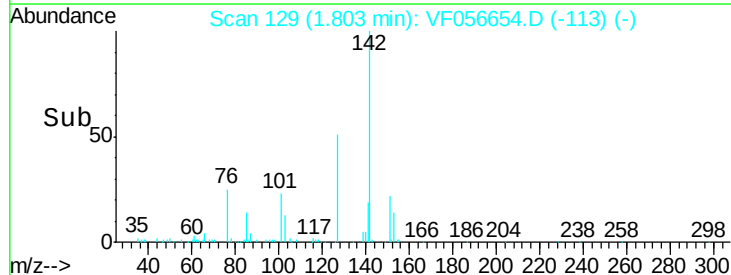
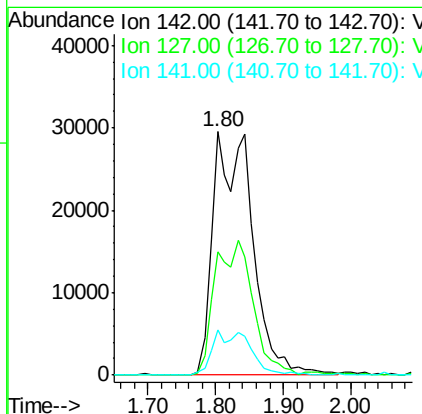
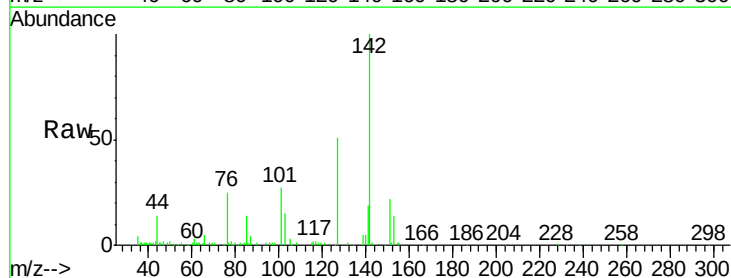
RT: 1.80 min Scan# 129

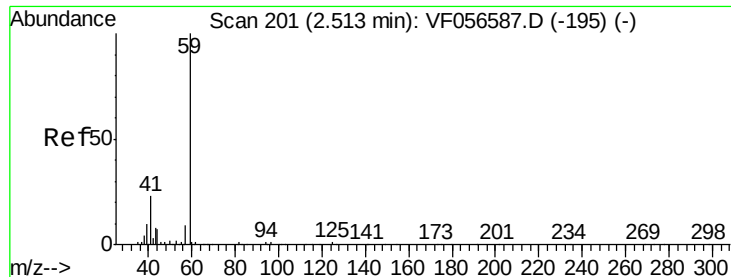
Delta R.T. -0.04 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion:	142	Resp:	119927
Ion Ratio	Lower	Upper	
142	100		
127	50.7	43.4	65.0
141	18.7	13.0	19.4





#11

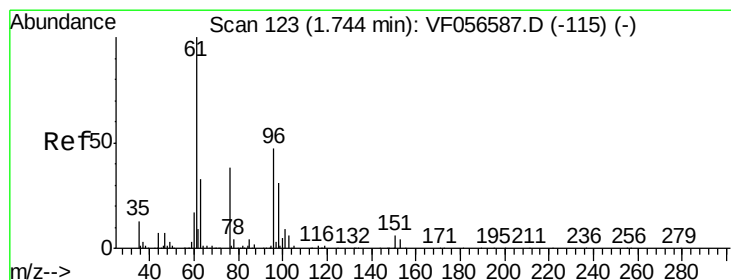
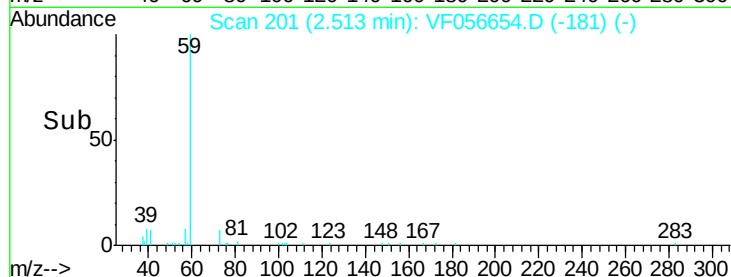
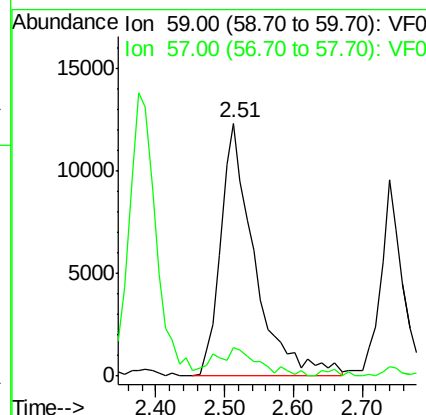
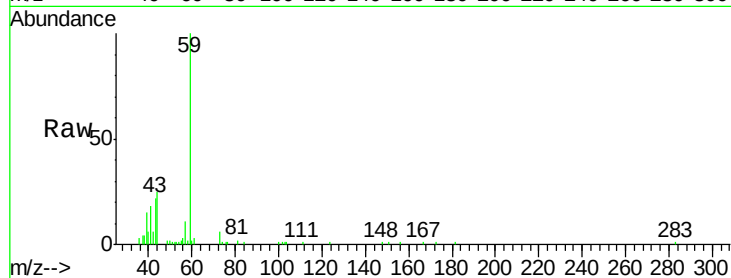
Tert butyl alcohol
Concen: 115.95 ug/l
RT: 2.51 min Scan# 201
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.2	10.3	15.5

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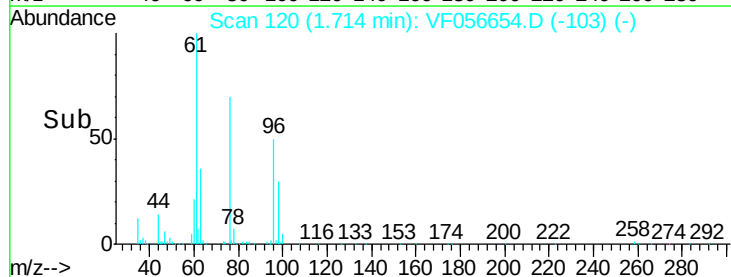
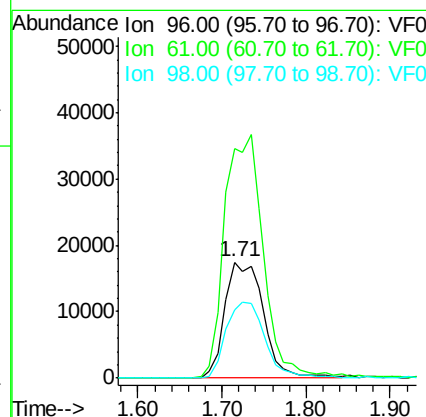
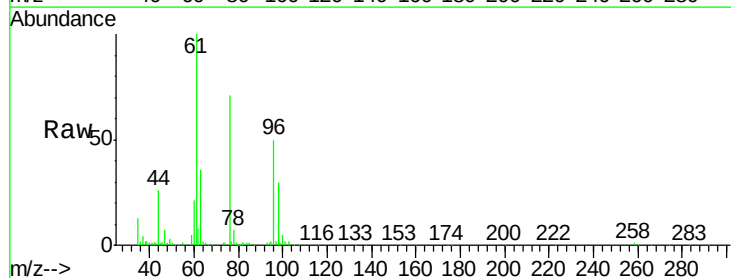
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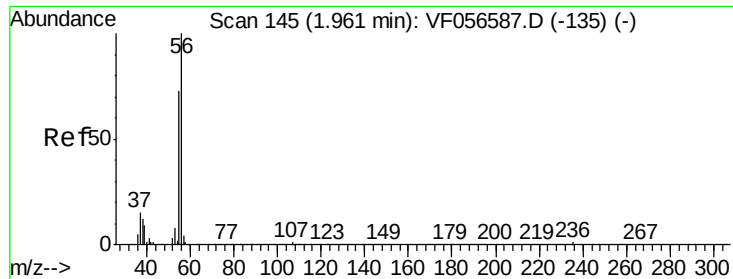


#12

1,1-Dichloroethene
Concen: 19.27 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.03 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.1	168.8	253.2
98	59.3	52.2	78.4





#13

Acrolein

Concen: 111.87 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

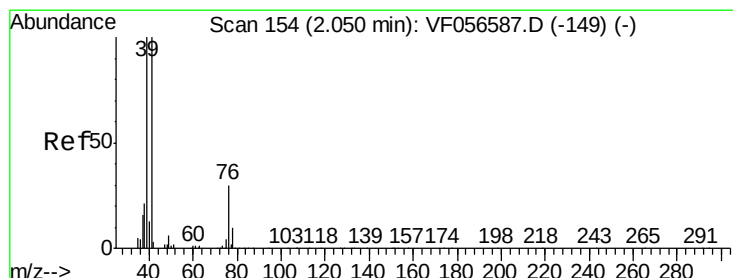
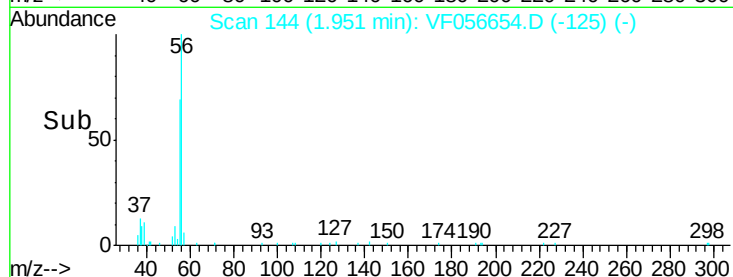
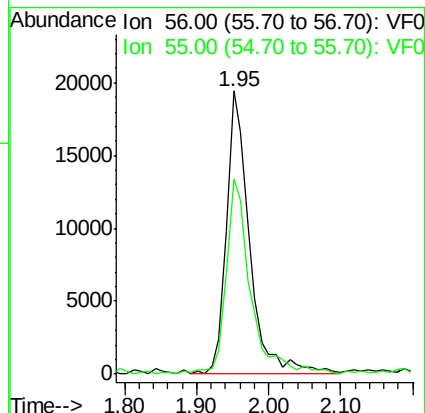
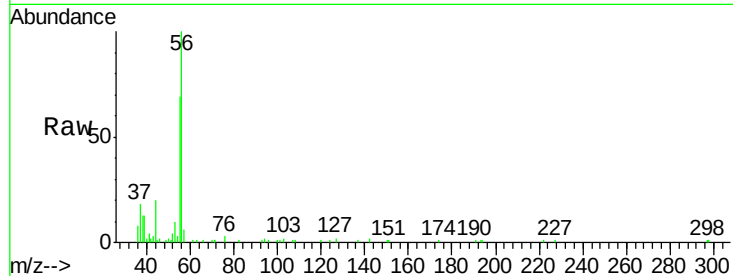
ClientSampleId :

VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	68.8	58.6	88.0

Manual Integrations
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#14

Allyl chloride

Concen: 19.98 ug/l

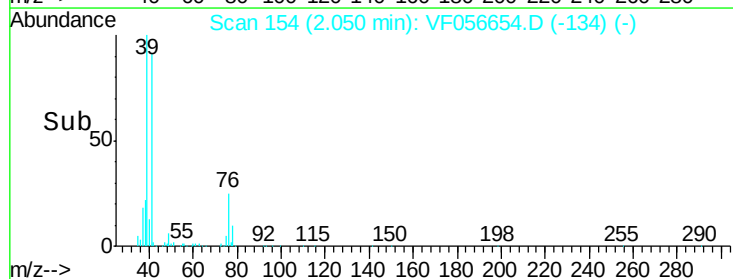
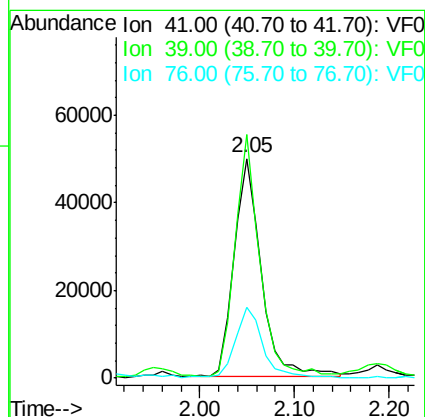
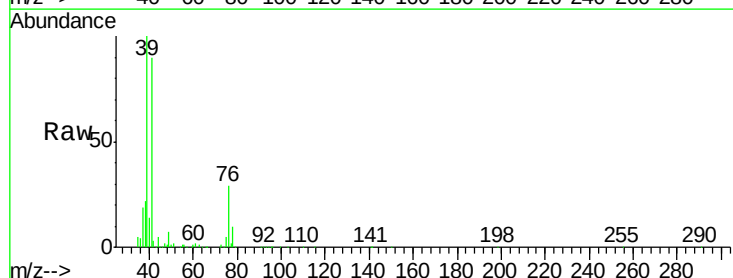
RT: 2.05 min Scan# 154

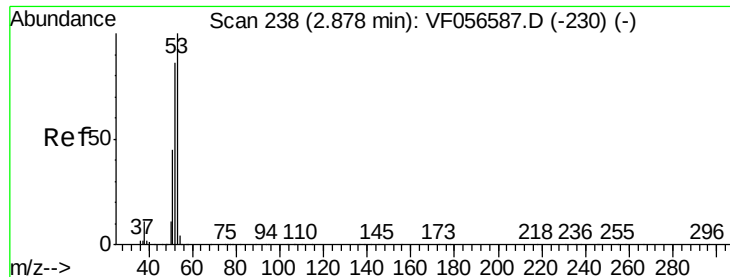
Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	110.8	79.8	119.6
76	32.0	25.4	38.2





#15

Acrylonitrile

Concen: 104.36 ug/l

RT: 2.88 min Scan# 238

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

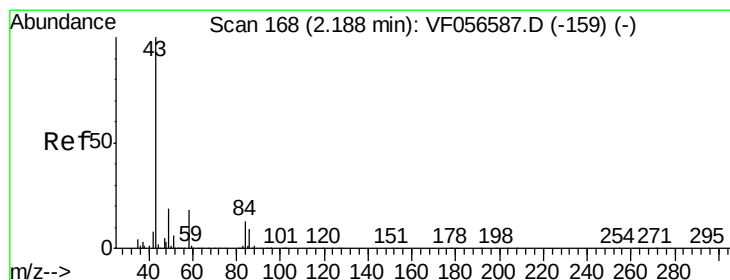
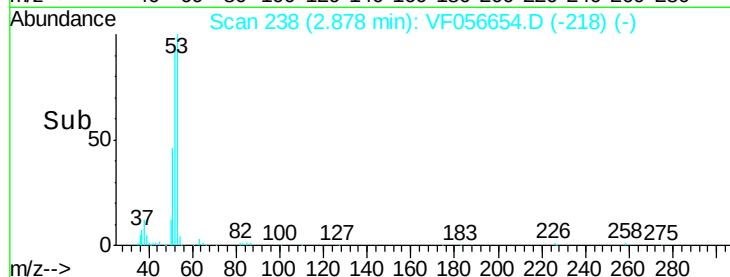
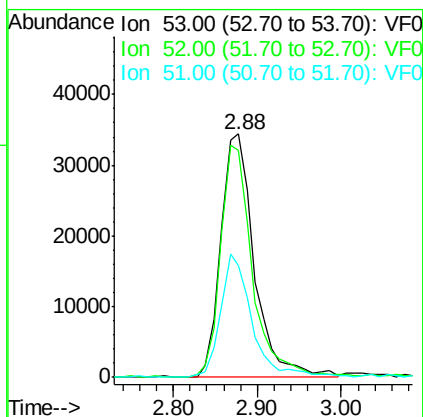
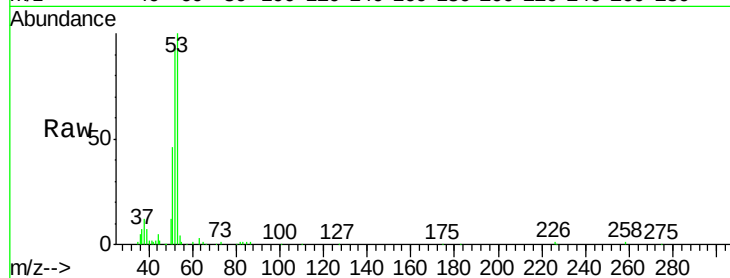
ClientSampleId :

VF0223SBS01

Tgt Ion:	53	Resp:	95367
Ion	Ratio	Lower	Upper
53	100		
52	93.1	68.4	102.6
51	46.2	35.8	53.6

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#16

Acetone

Concen: 104.99 ug/l

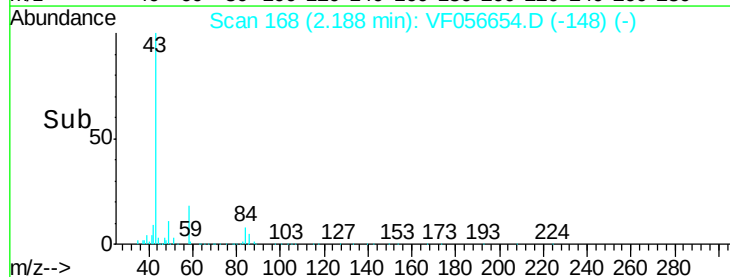
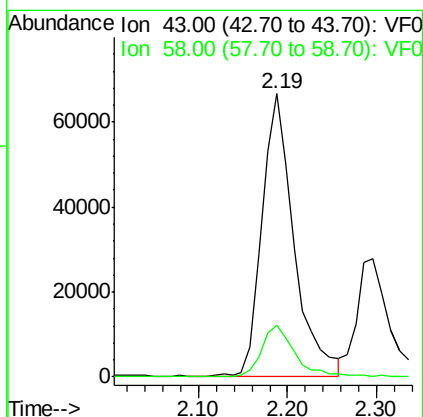
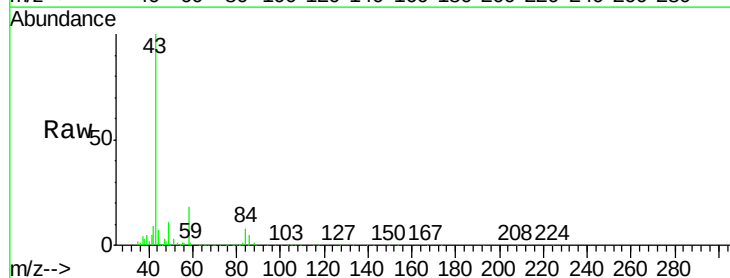
RT: 2.19 min Scan# 168

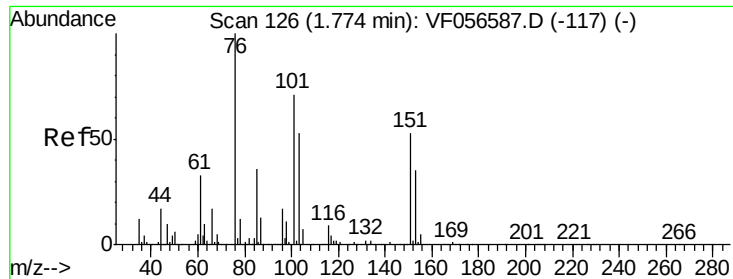
Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion:	43	Resp:	166003
Ion	Ratio	Lower	Upper
43	100		
58	18.2	14.7	22.1





#17

Carbon Disulfide

Concen: 20.27 ug/l

RT: 1.72 min Scan# 121

Delta R.T. -0.05 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 76 Resp: 152665
Ion Ratio Lower Upper

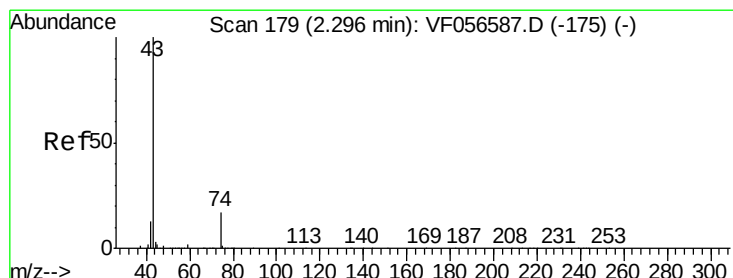
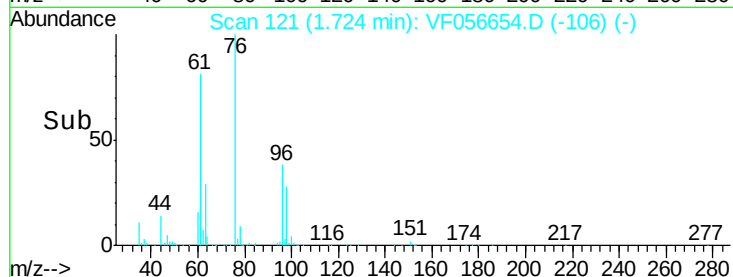
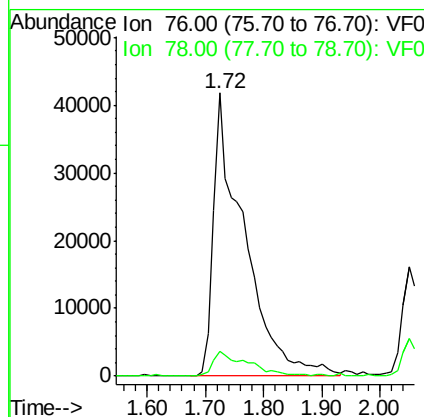
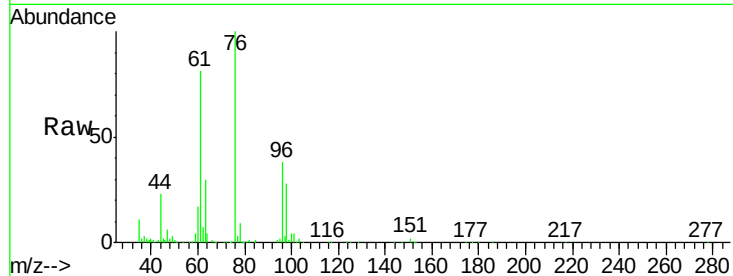
76 100

78 8.9 9.5 14.3#

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#18

Methyl Acetate

Concen: 19.28 ug/l m

RT: 2.30 min Scan# 179

Delta R.T. 0.00 min

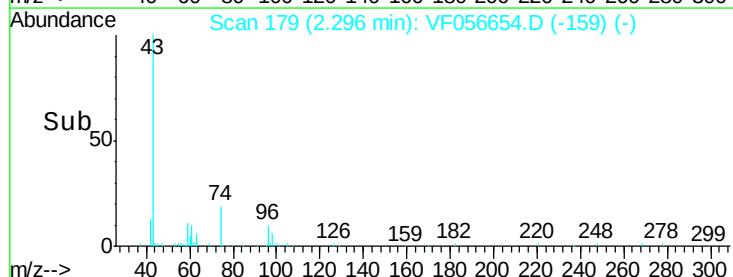
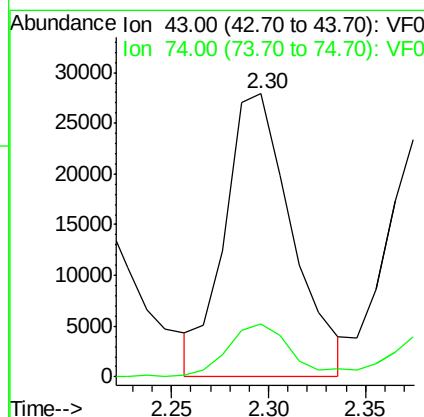
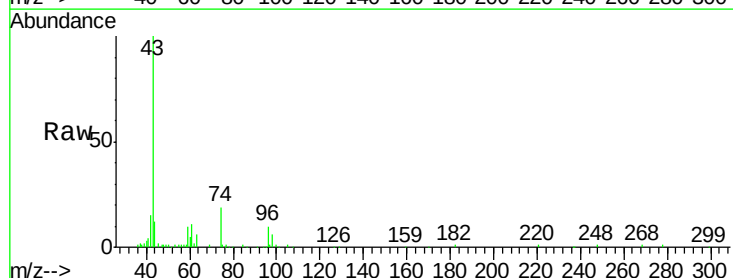
Lab File: VF056654.D

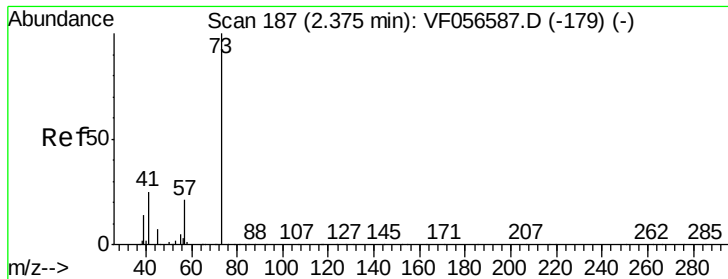
Acq: 23 Feb 2018 14:16

Tgt Ion: 43 Resp: 67206
Ion Ratio Lower Upper

43 100

74 18.9 12.0 18.0#





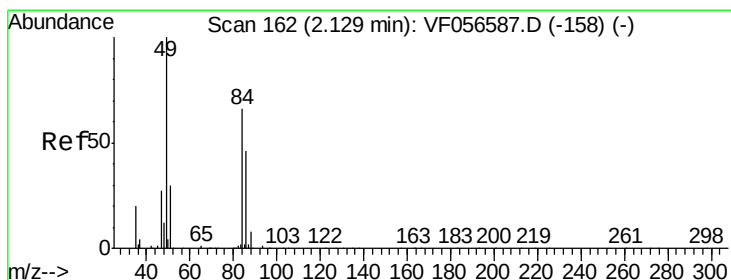
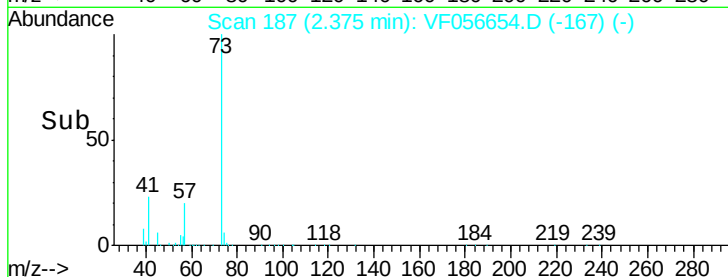
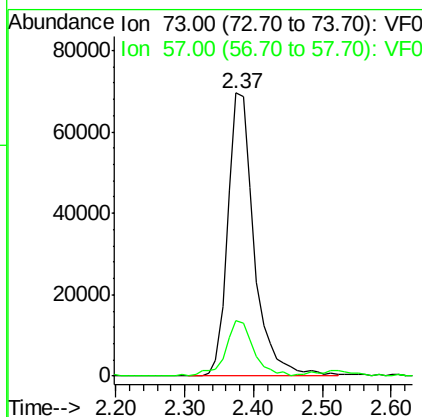
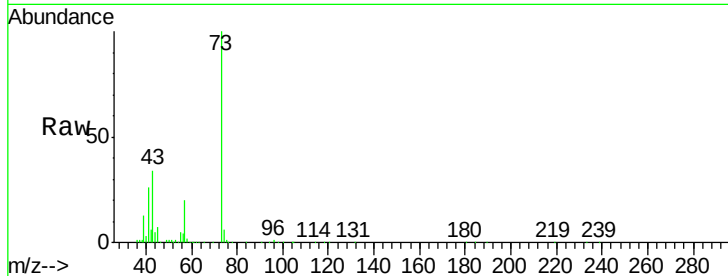
#19
Methyl tert-butyl Ether
Concen: 21.61 ug/l
RT: 2.37 min Scan# 187
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion: 73 Resp: 184546
Ion Ratio Lower Upper
73 100
57 19.8 16.7 25.1

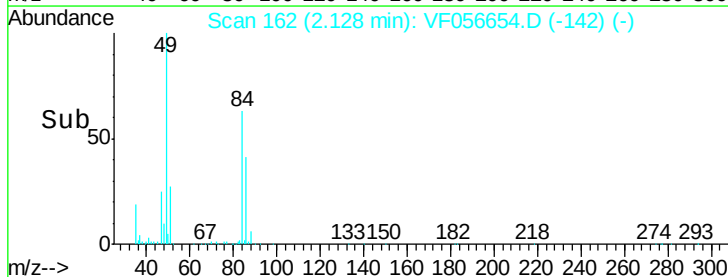
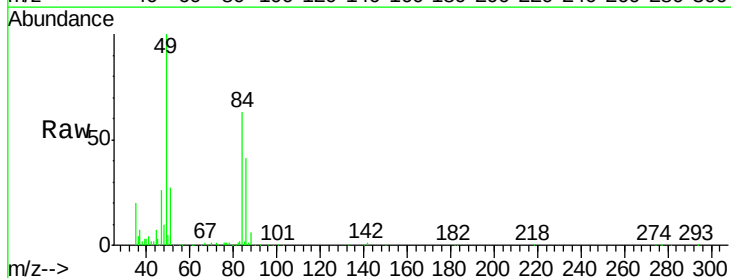
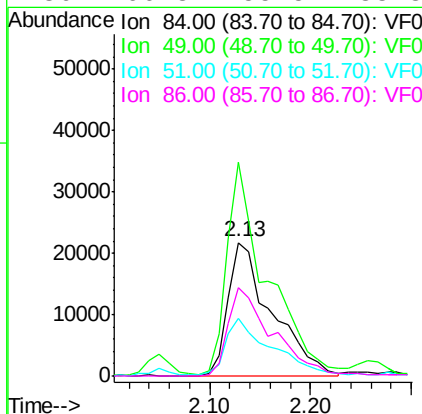
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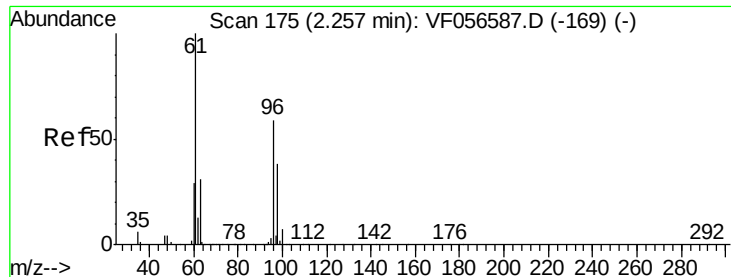
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#20
Methylene Chloride
Concen: 21.85 ug/l
RT: 2.13 min Scan# 162
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion: 84 Resp: 65762
Ion Ratio Lower Upper
84 100
49 160.0 121.4 182.0
51 43.5 37.1 55.7
86 66.3 55.5 83.3





#21

trans-1,2-Dichloroethene

Concen: 20.52 ug/l

RT: 2.26 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

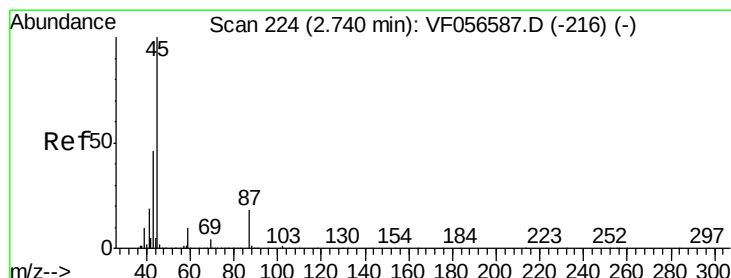
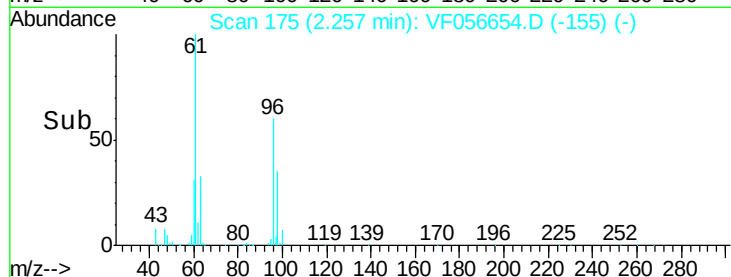
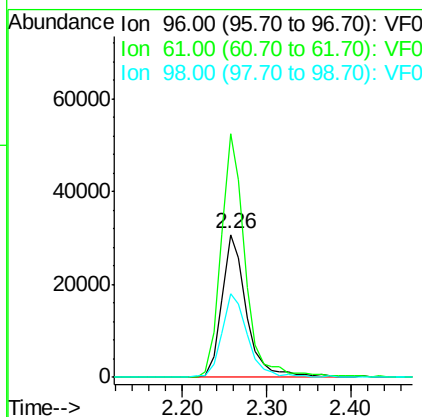
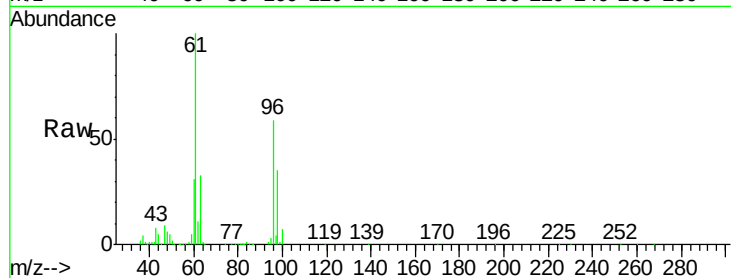
ClientSampleId :

VF0223SBS01

Tgt Ion:	96	Resp:	62432
Ion Ratio	Lower	Upper	
96	100		
61	170.2	136.4	204.6
98	58.9	51.4	77.0

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#22

Diisopropyl ether

Concen: 20.61 ug/l

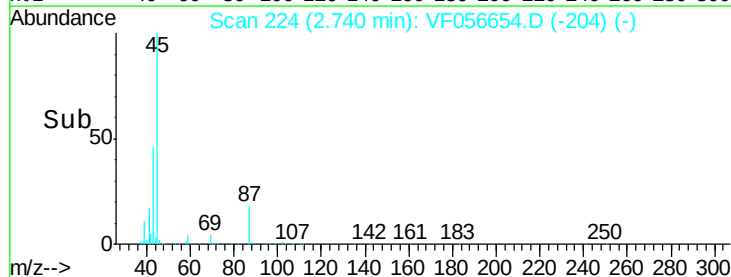
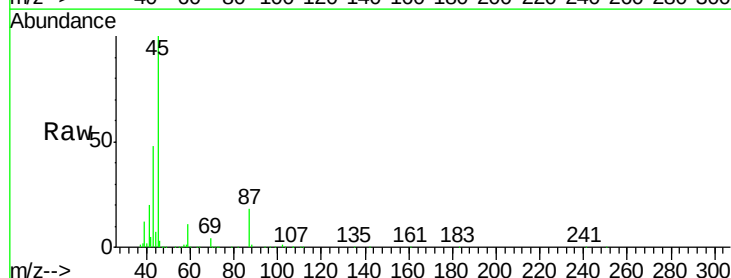
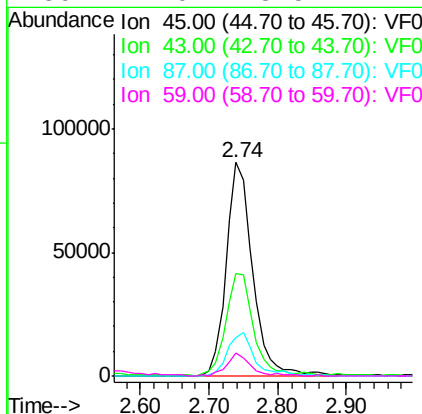
RT: 2.74 min Scan# 224

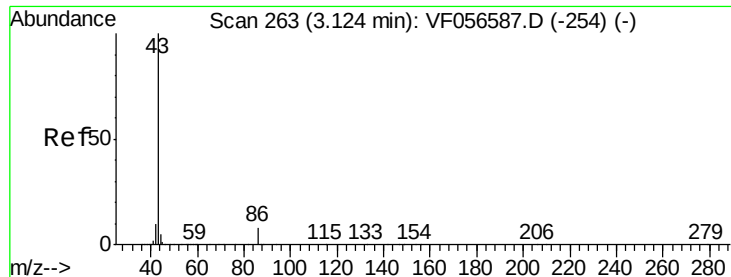
Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion:	45	Resp:	229370
Ion Ratio	Lower	Upper	
45	100		
43	47.8	37.4	56.0
87	18.3	14.6	22.0
59	11.0	8.5	12.7





#23

Vinyl Acetate

Concen: 98.30 ug/l

RT: 3.11 min Scan# 262

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 43 Resp: 890223

Ion Ratio Lower Upper

43 100

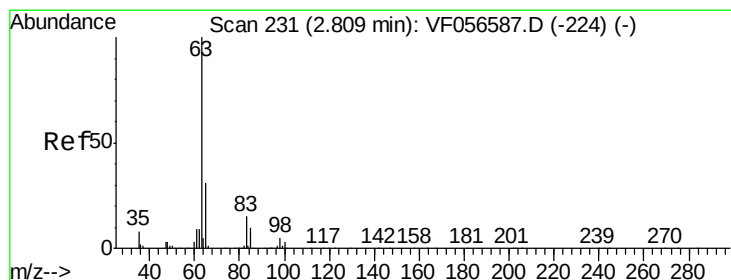
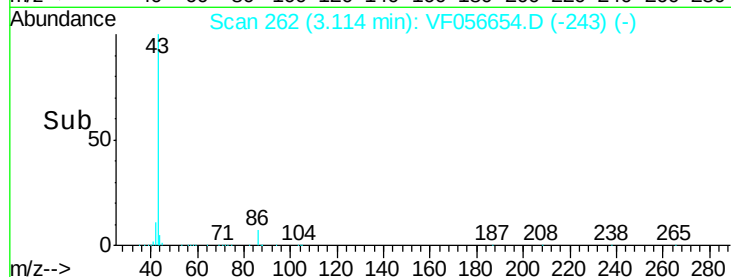
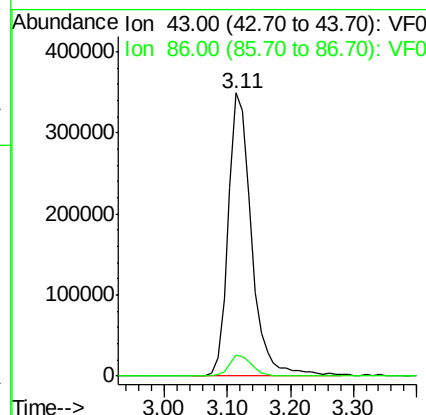
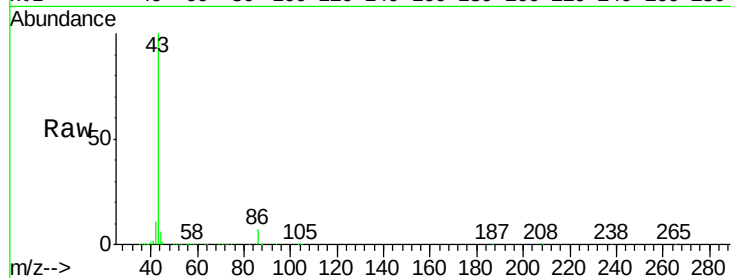
86 7.4 6.6 10.0

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#24

1,1-Dichloroethane

Concen: 20.73 ug/l

RT: 2.81 min Scan# 231

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

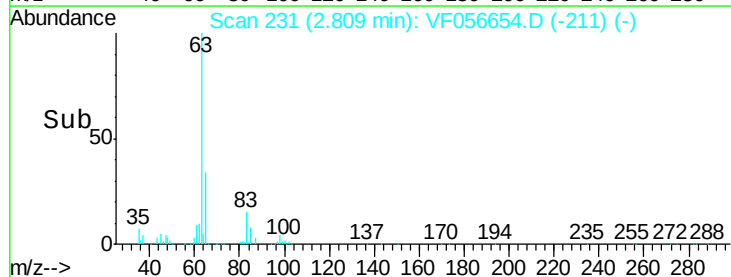
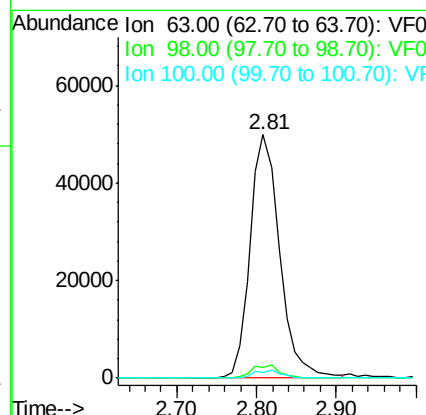
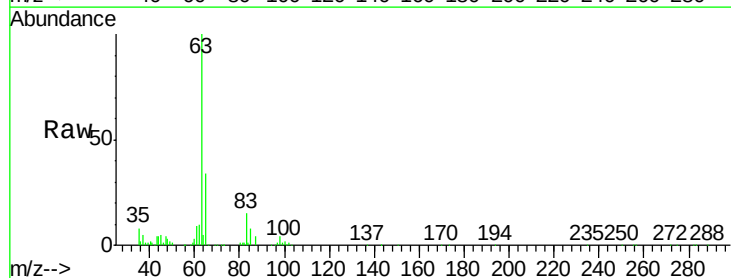
Tgt Ion: 63 Resp: 127454

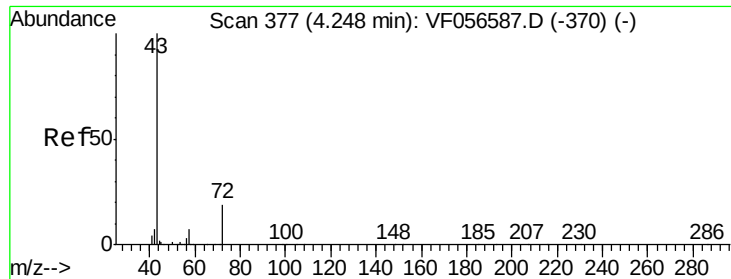
Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

100 2.4 1.6 4.7





#25

2-Butanone

Concen: 92.62 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 43 Resp: 260428

Ion Ratio Lower Upper

43 100

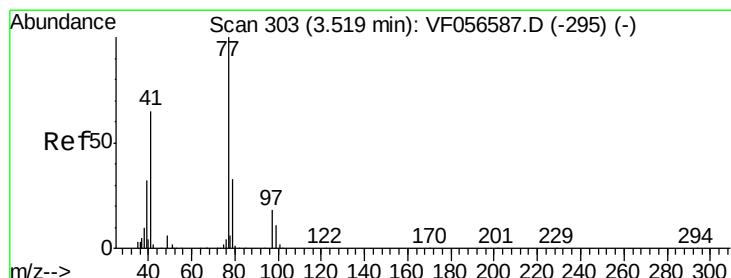
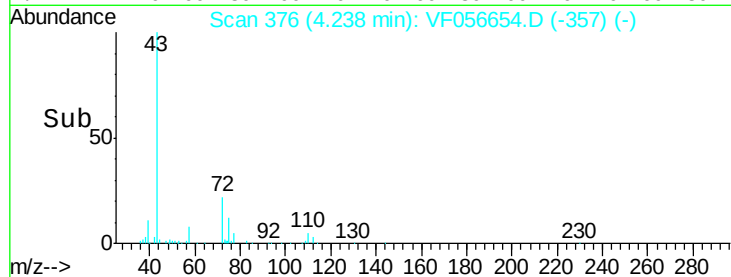
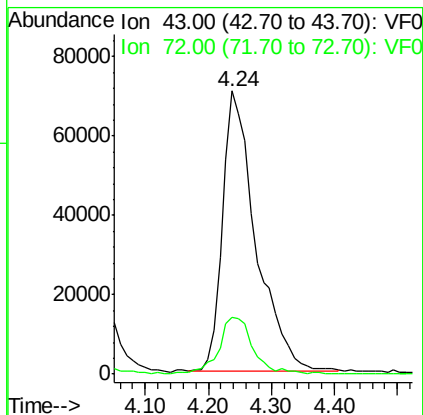
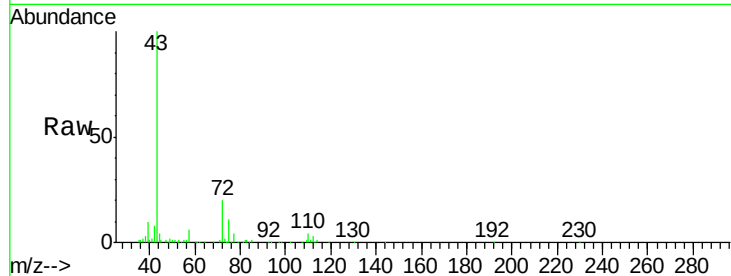
72 20.1 16.5 24.7

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#26

2,2-Dichloropropane

Concen: 21.05 ug/l

RT: 3.53 min Scan# 304

Delta R.T. 0.01 min

Lab File: VF056654.D

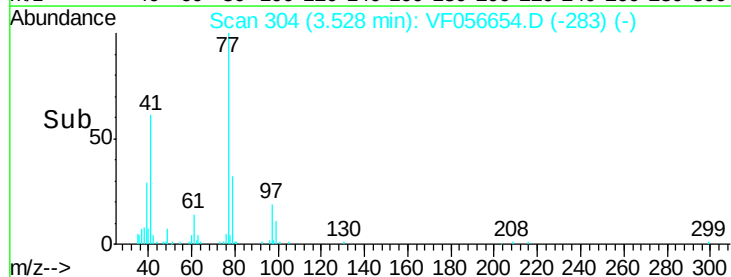
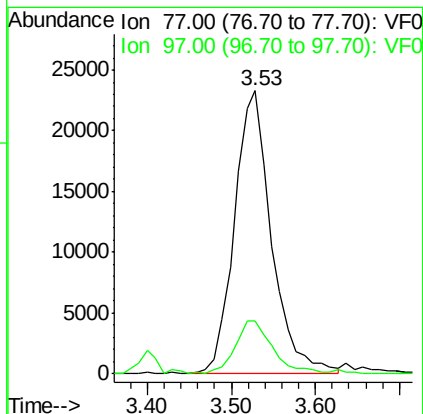
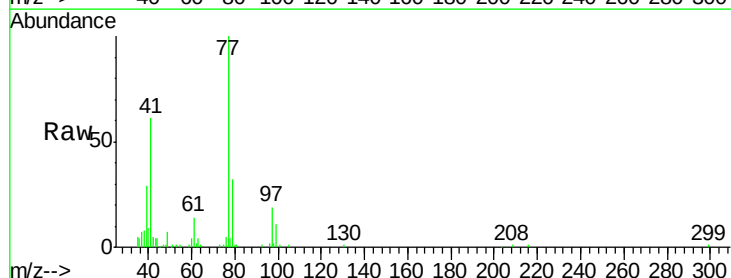
Acq: 23 Feb 2018 14:16

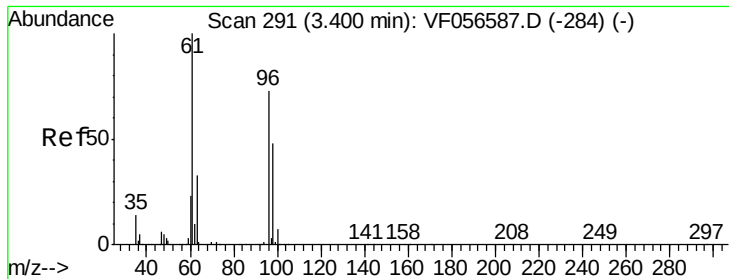
Tgt Ion: 77 Resp: 71622

Ion Ratio Lower Upper

77 100

97 18.9 9.8 29.5





#27

cis-1,2-Dichloroethene

Concen: 18.96 ug/l

RT: 3.40 min Scan# 291

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

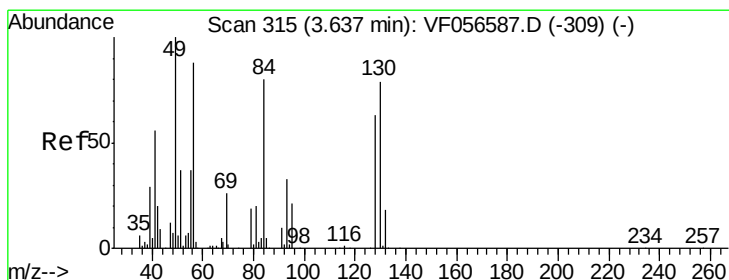
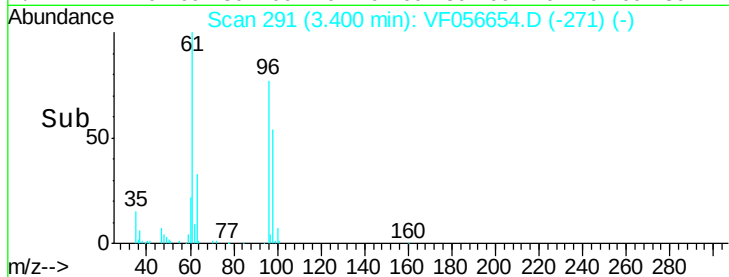
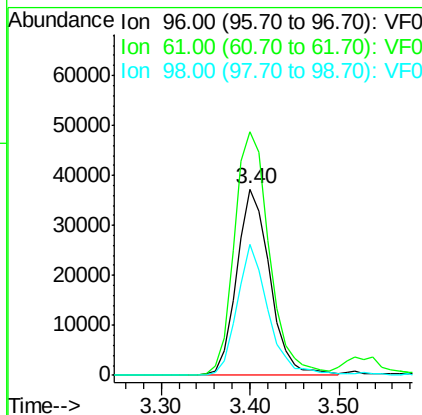
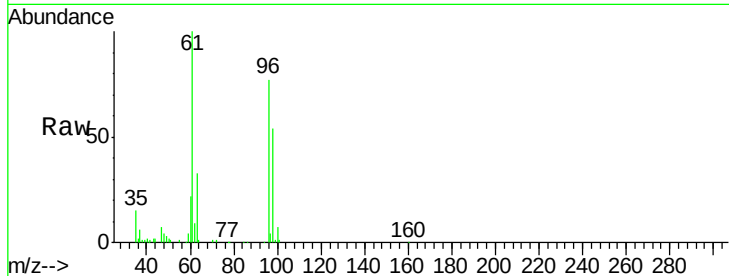
ClientSampleId :

VF0223SBS01

Tgt Ion:	96	Resp:	96940
Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	272.6
98	70.4	0.0	131.6

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#28

Bromochloromethane

Concen: 18.73 ug/l

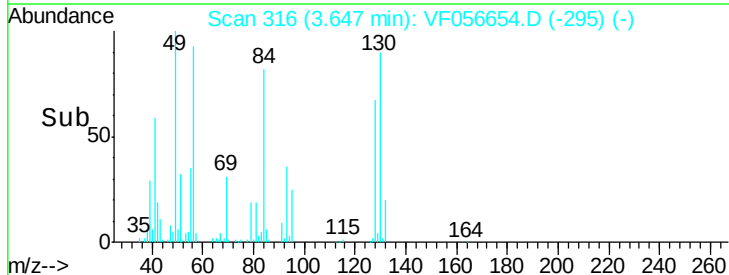
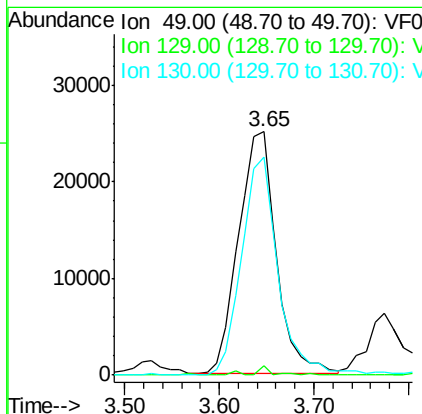
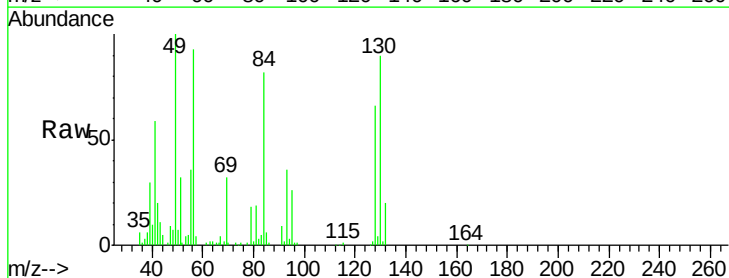
RT: 3.65 min Scan# 316

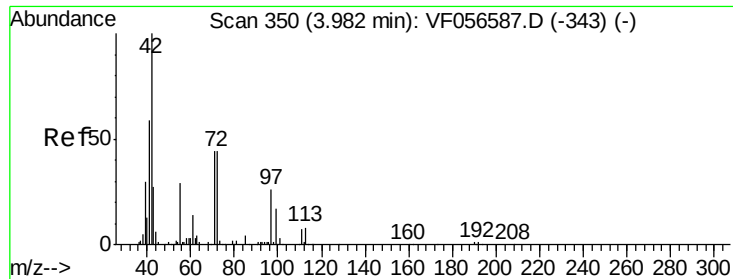
Delta R.T. 0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion:	49	Resp:	69048
Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	0.0#
130	89.7	63.4	95.0





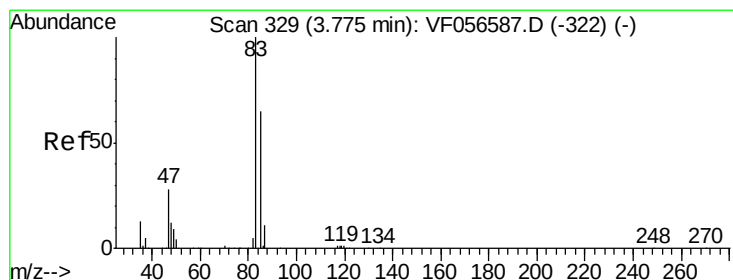
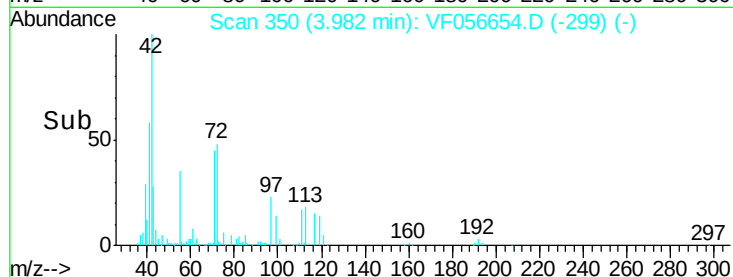
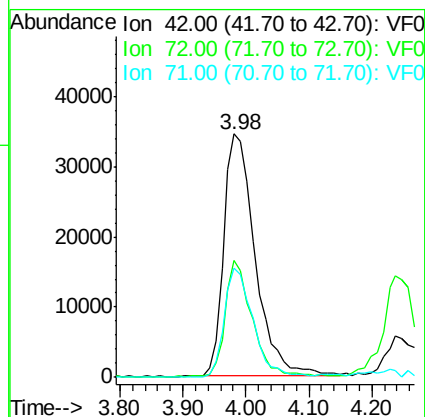
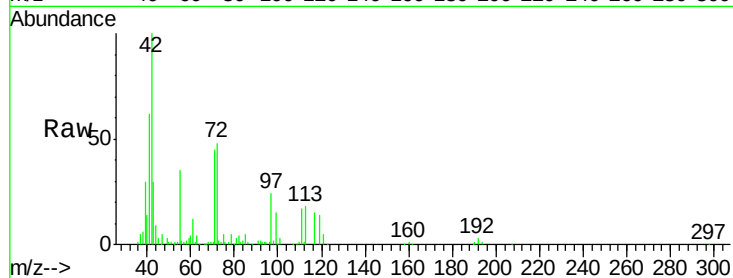
#29
Tetrahydrofuran
Concen: 92.17 ug/l
RT: 3.98 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.1	51.1
71	41.0	32.8	49.2

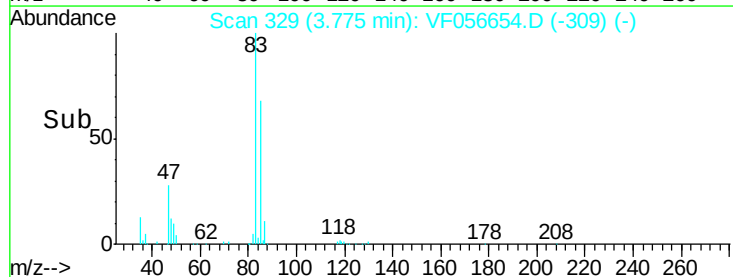
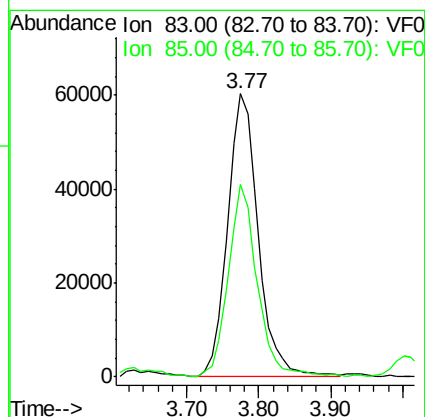
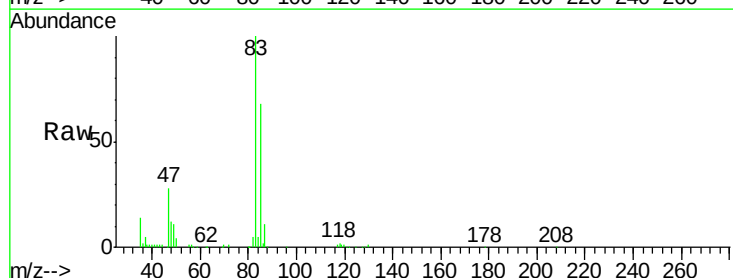
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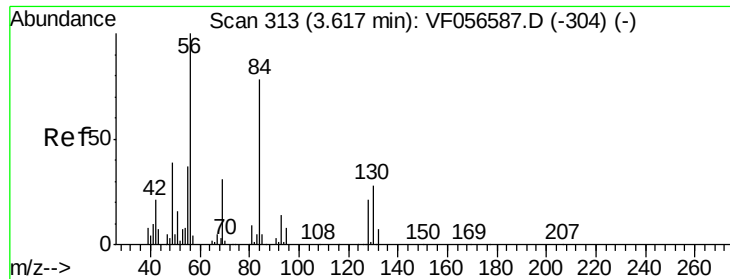
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#30
Chloroform
Concen: 20.00 ug/l
RT: 3.77 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	52.1	78.1





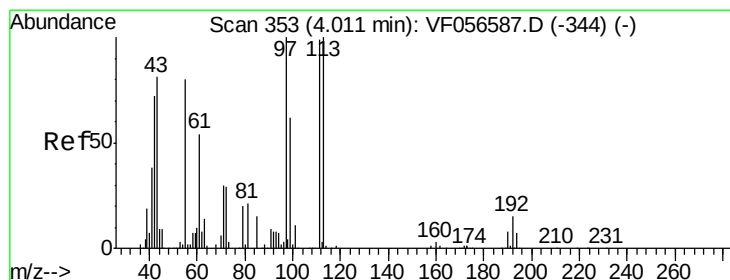
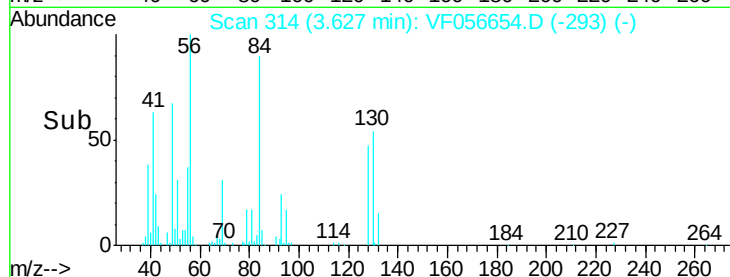
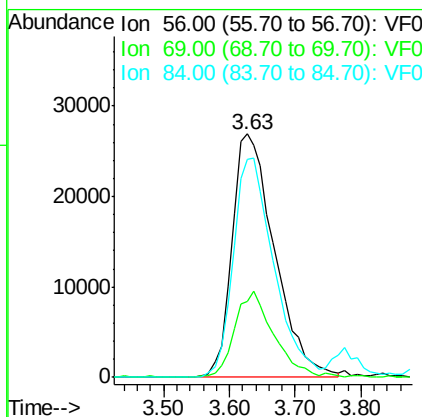
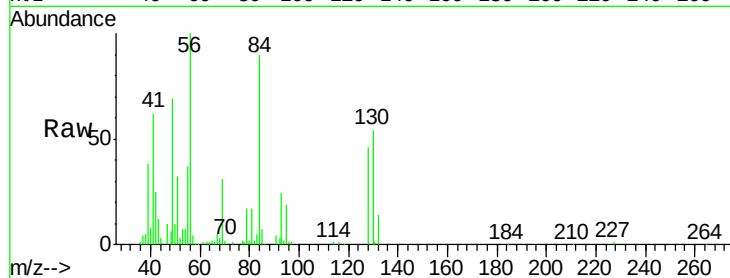
#31
Cyclohexane
Concen: 18.44 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.7	37.1
84	89.5	62.9	94.3

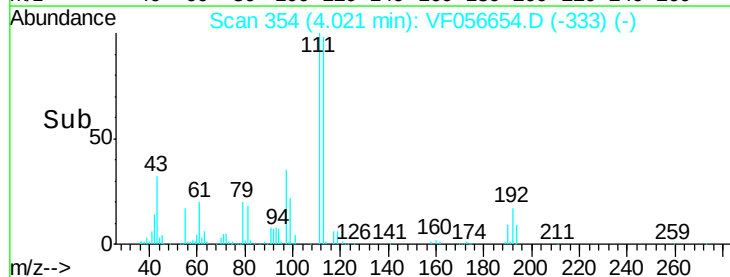
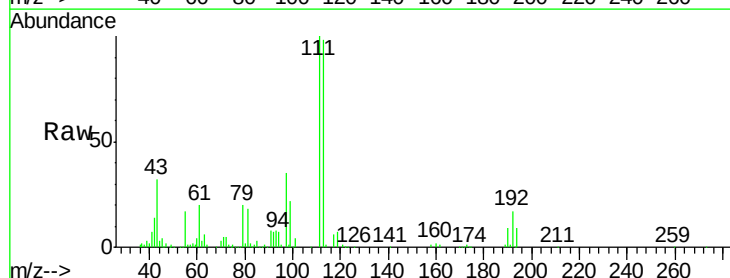
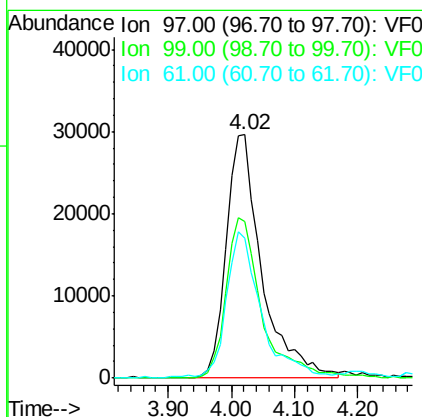
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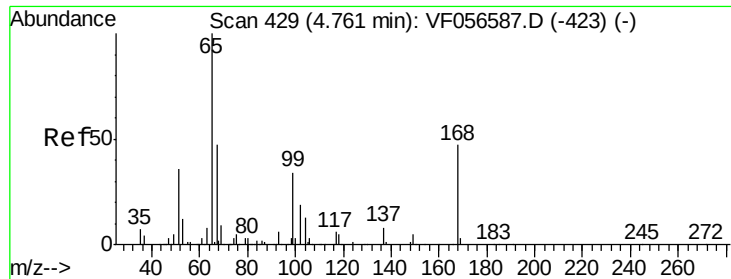
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#32
1,1,1-Trichloroethane
Concen: 21.72 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	49.4	74.2
61	57.7	43.9	65.9





#33

1,2-Dichloroethane-d4

Concen: 50.13 ug/l

RT: 4.76 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion: 65 Resp: 269331

Ion Ratio Lower Upper

65 100

67 48.6 0.0 103.0

Instrument :

MSVOA_F

ClientSampleId :

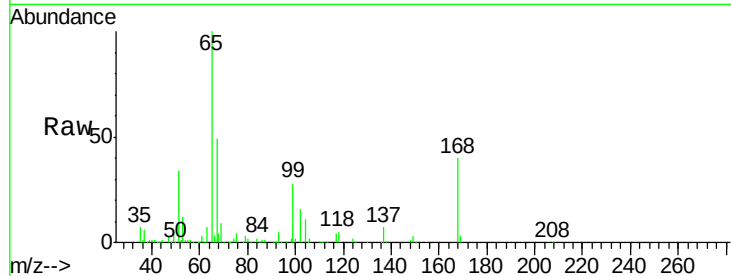
VF0223SBS01

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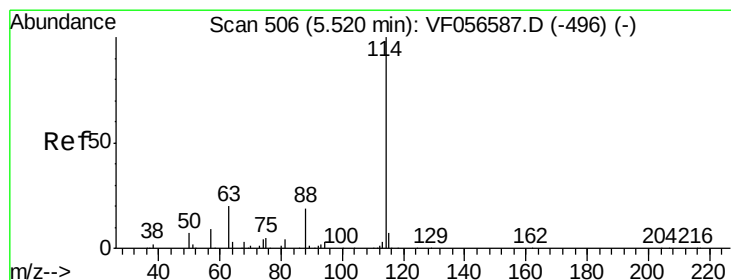
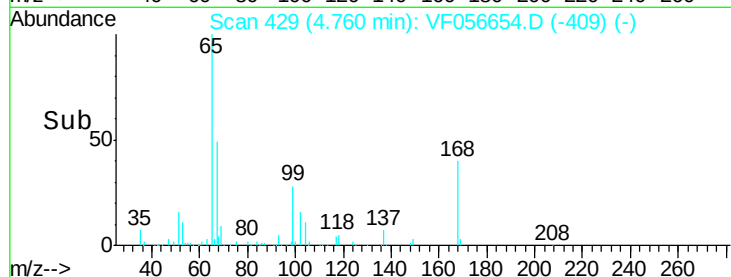
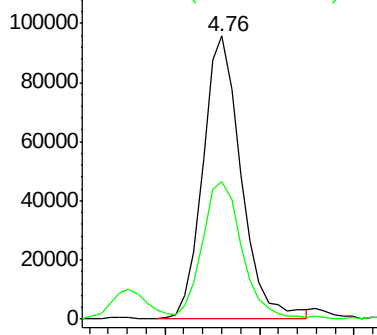
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.52 min Scan# 506

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

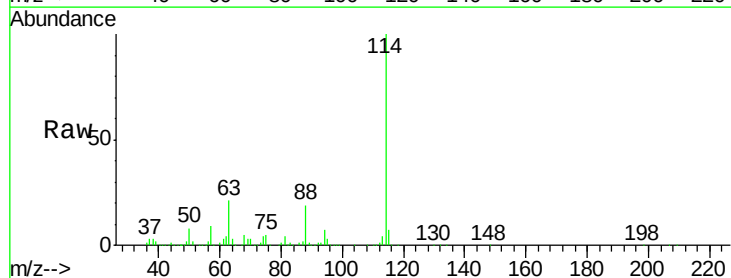
Tgt Ion: 114 Resp: 690209

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

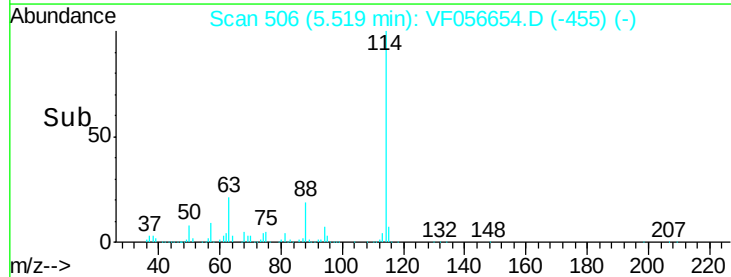
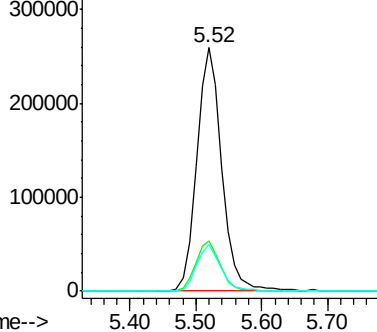
88 19.1 0.0 37.8

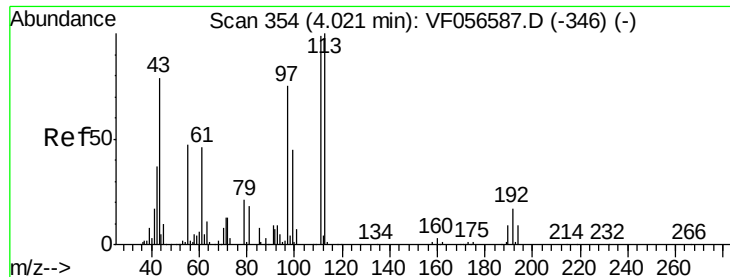


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 49.99 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

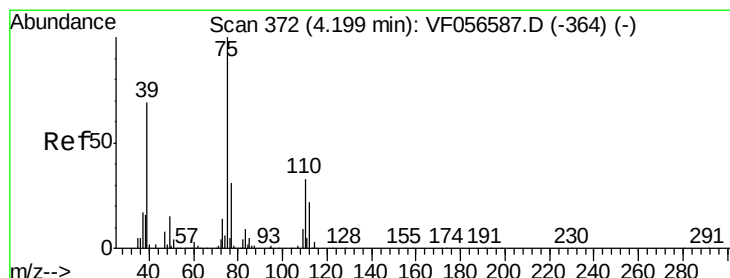
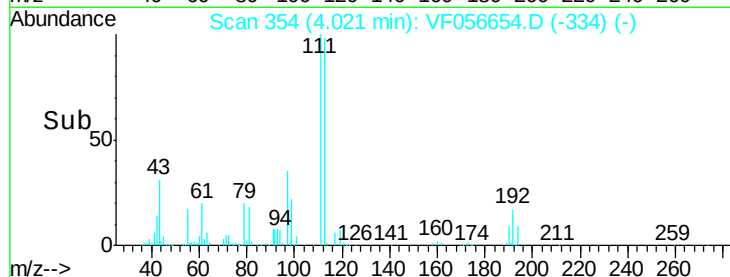
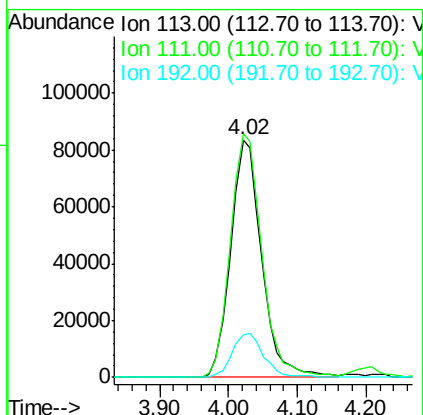
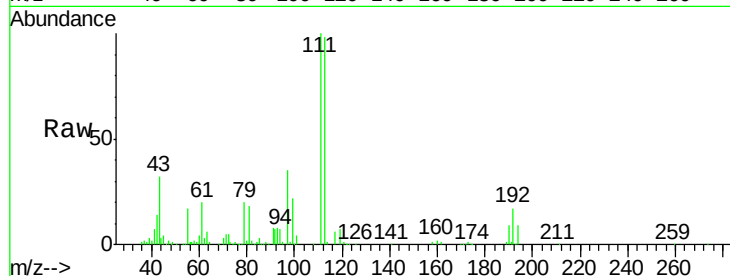
ClientSampleId :

VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.1	118.7
192	17.7	13.9	20.9

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#36

1,1-Dichloropropene

Concen: 20.54 ug/l

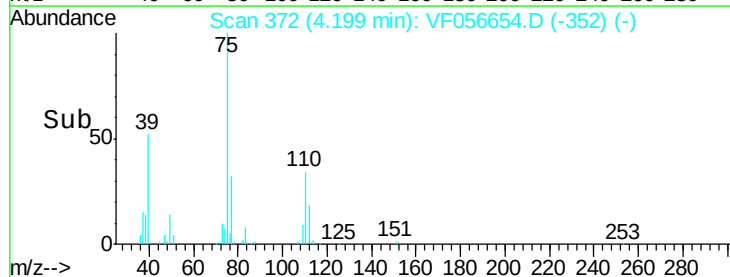
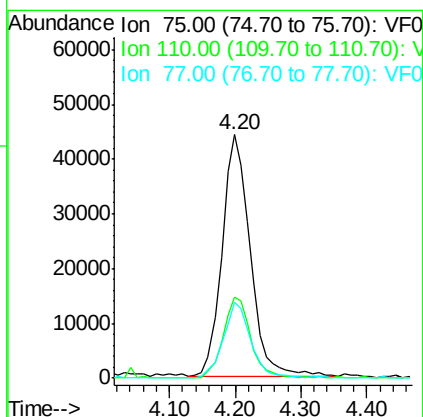
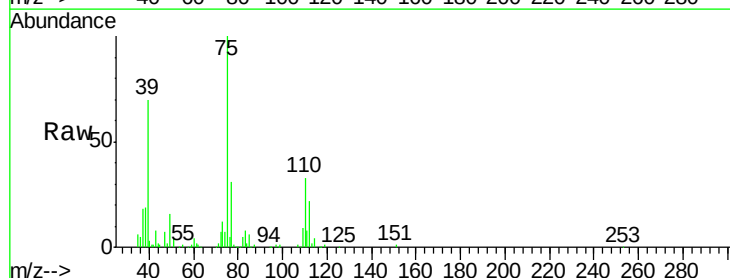
RT: 4.20 min Scan# 372

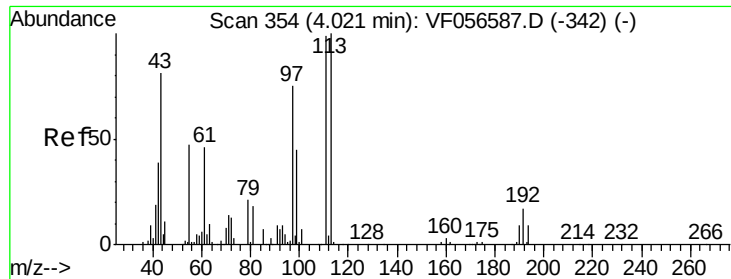
Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.6	49.7
77	31.0	24.5	36.7





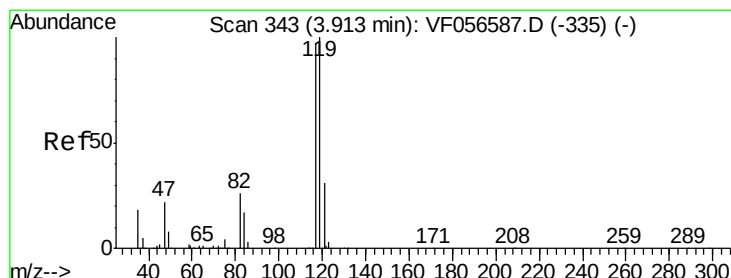
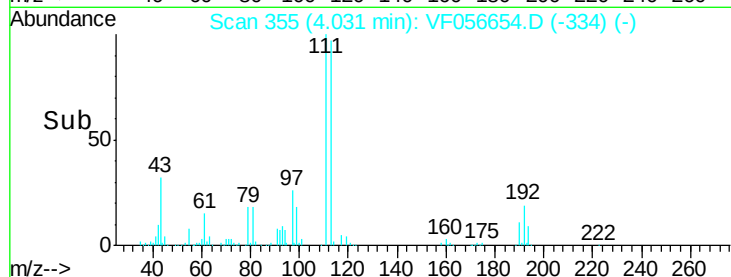
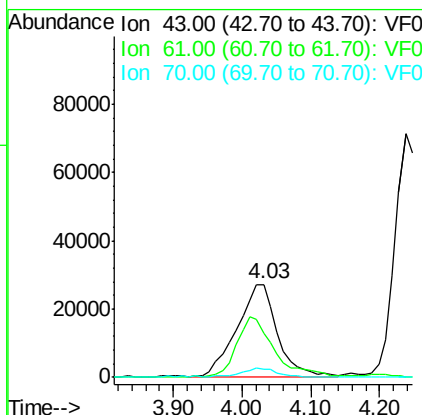
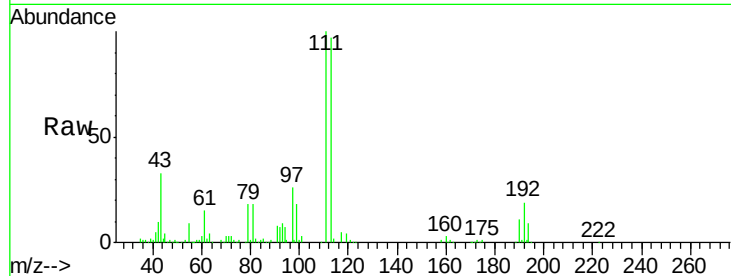
#37
Ethyl Acetate
Concen: 18.73 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	47.0	45.4	68.2
70	8.3	8.8	13.2

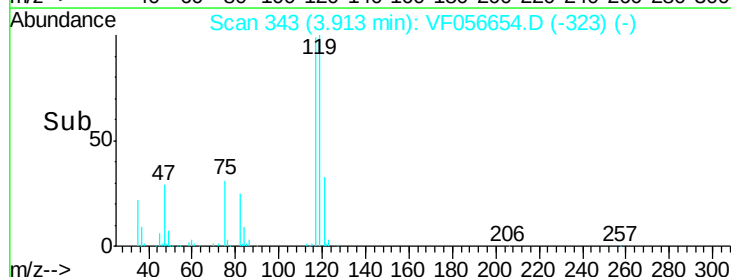
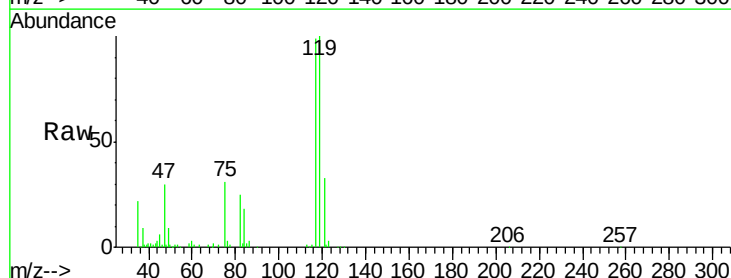
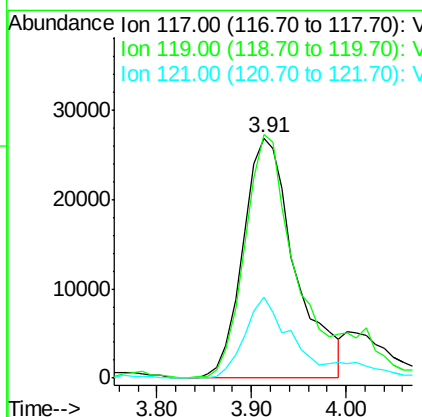
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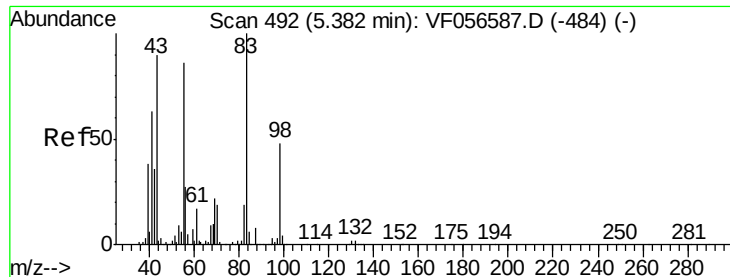
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#38
Carbon Tetrachloride
Concen: 21.27 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.4	82.2	123.4
121	33.6	25.8	38.6





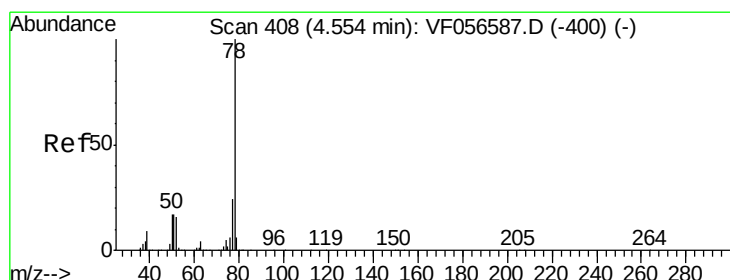
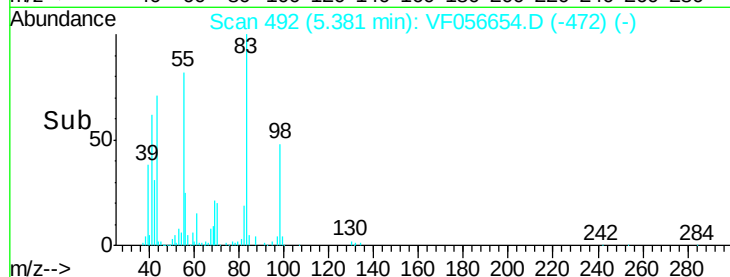
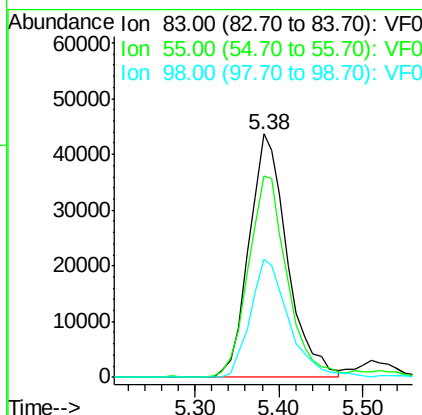
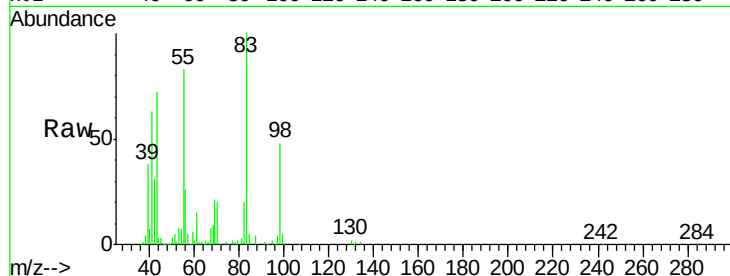
#39
Methylcyclohexane
Concen: 19.74 ug/l
RT: 5.38 min Scan# 492
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.7	68.7	103.1
98	48.3	38.0	57.0

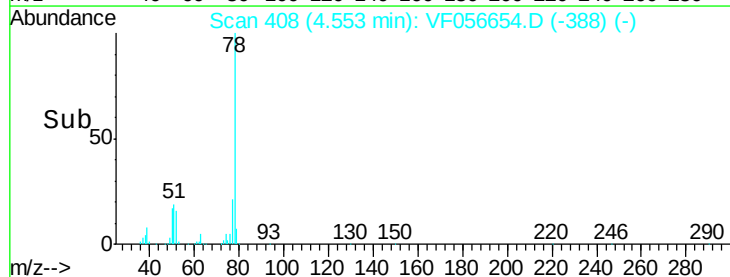
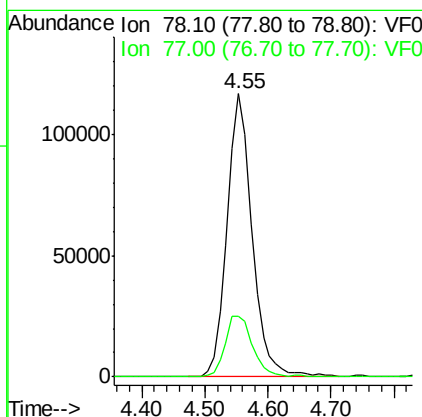
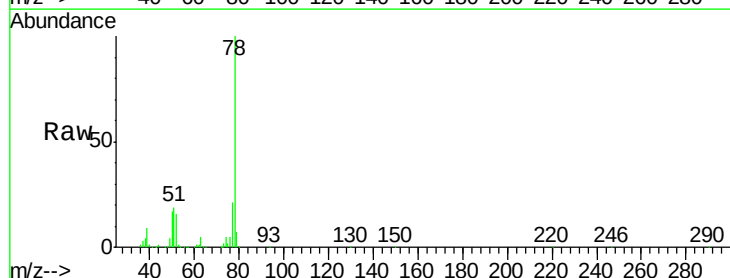
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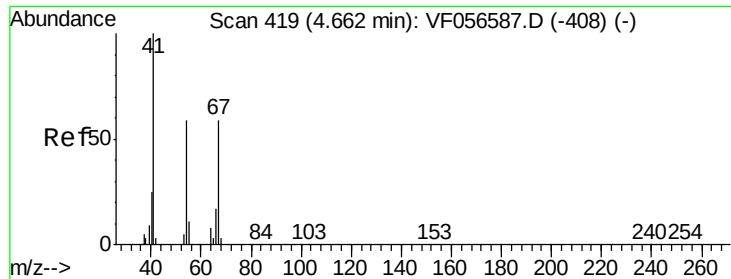
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#40
Benzene
Concen: 19.52 ug/l
RT: 4.55 min Scan# 408
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	19.0	28.6





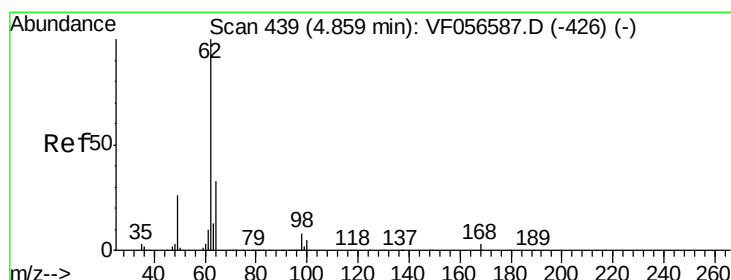
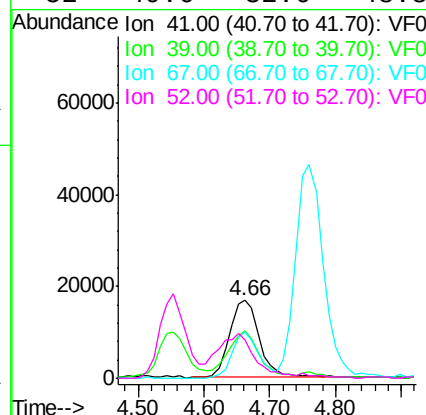
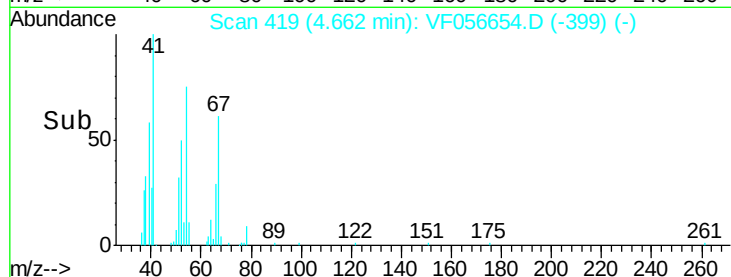
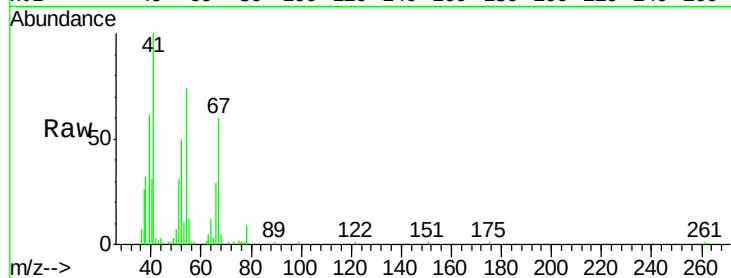
#41
Methacrylonitrile
Concen: 18.87 ug/l
RT: 4.66 min Scan# 419
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.5	48.2	72.4
67	60.2	46.9	70.3
52	49.6	32.6	48.8#

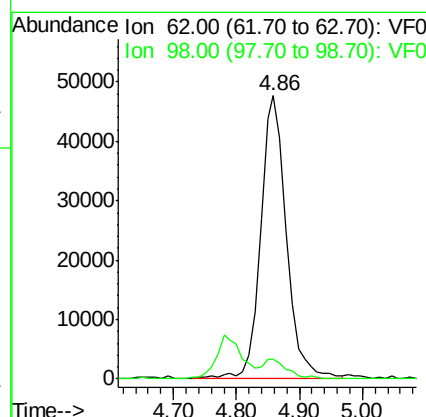
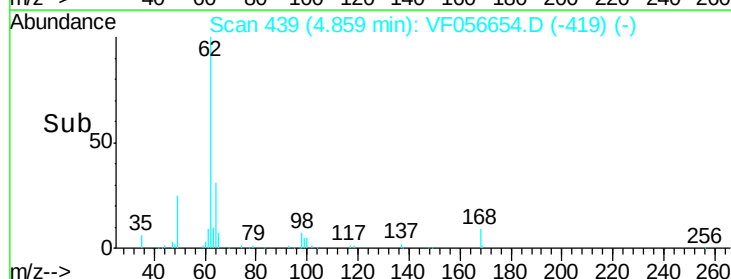
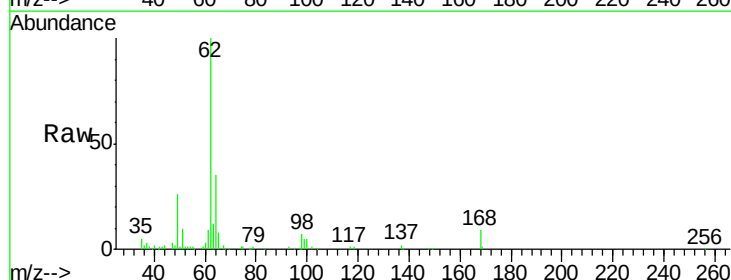
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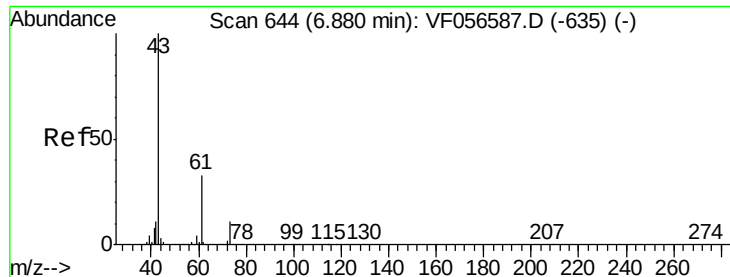
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#42
1,2-Dichloroethane
Concen: 21.33 ug/l
RT: 4.86 min Scan# 439
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.55 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

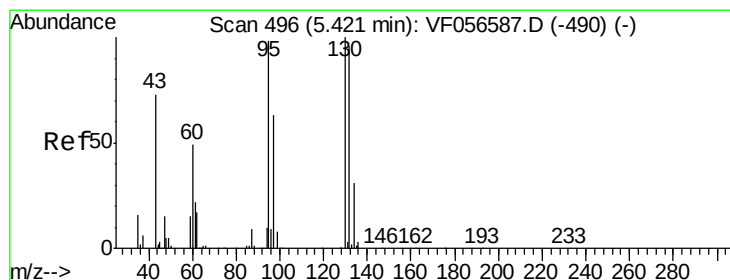
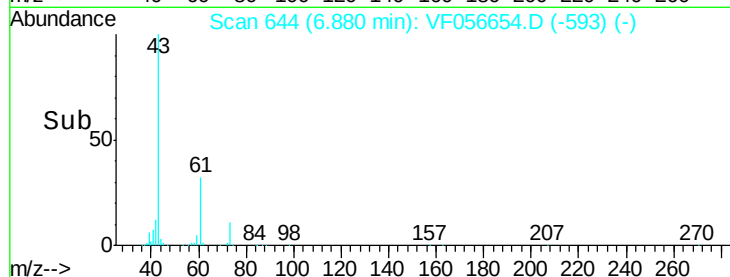
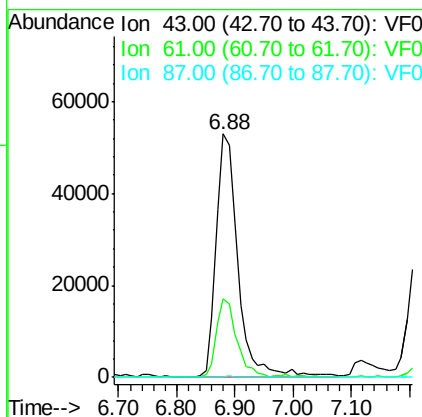
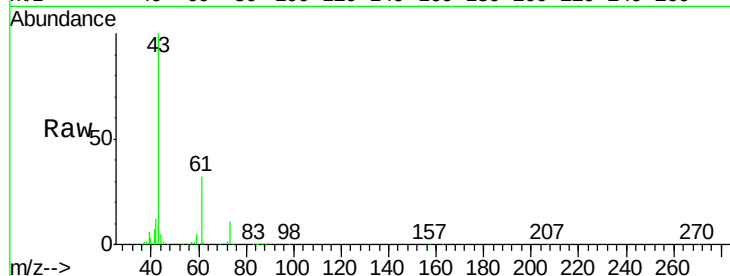
ClientSampleId :

VF0223SBS01

Tgt Ion:	43	Resp:	139308
Ion	Ratio	Lower	Upper
43	100		
61	32.0	26.5	39.7
87	0.4	0.2	0.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.91 ug/l

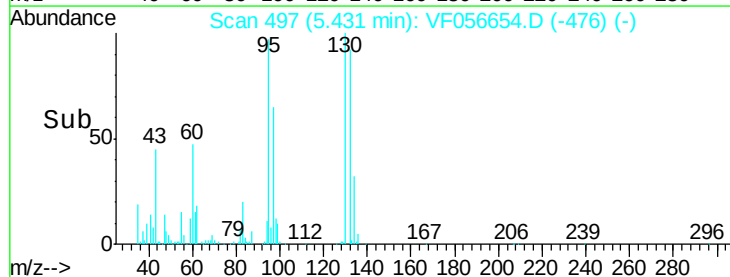
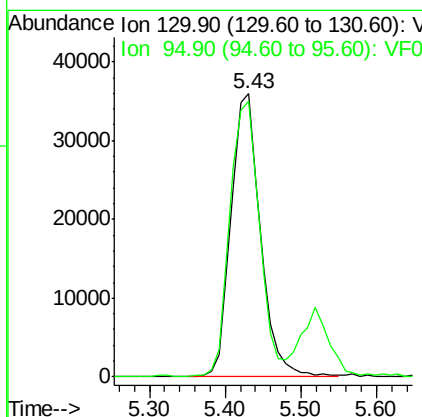
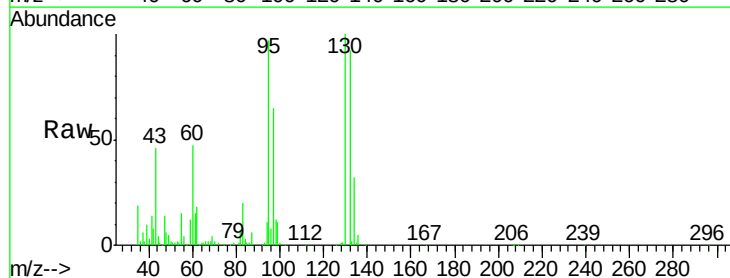
RT: 5.43 min Scan# 497

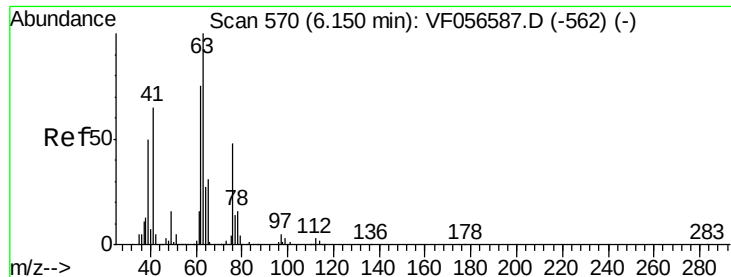
Delta R.T. 0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion:	130	Resp:	96300
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	195.8





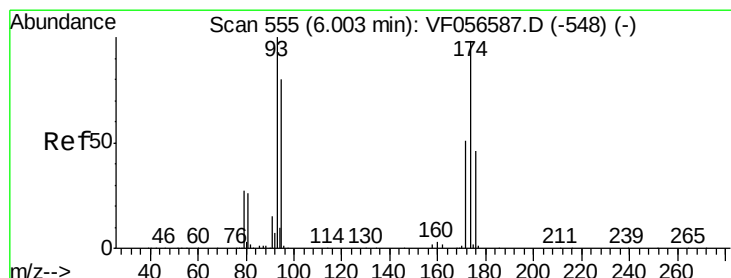
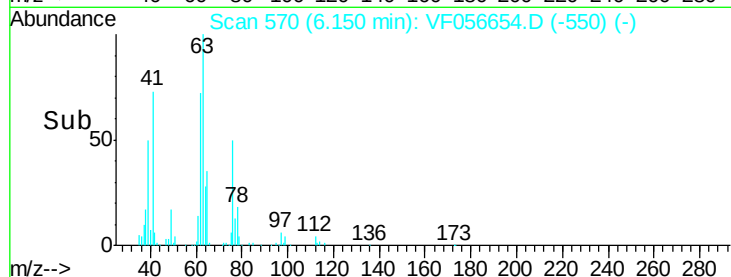
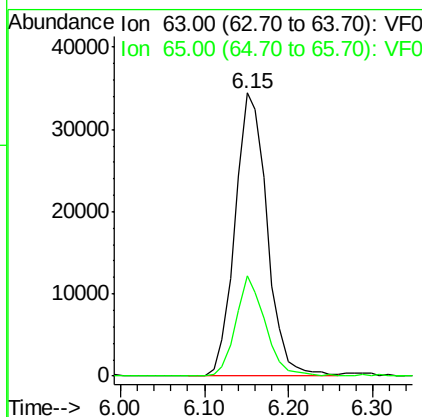
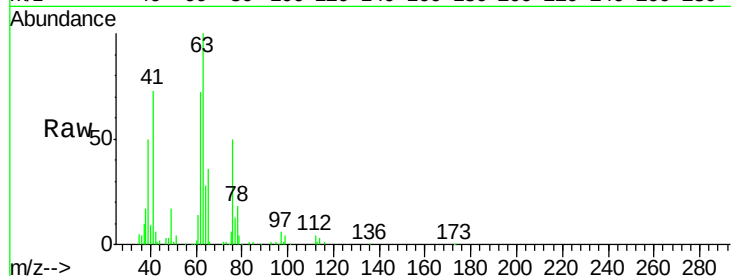
#45
 1,2-Dichloropropane
 Concen: 19.46 ug/l
 RT: 6.15 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	35.6	25.2	37.8

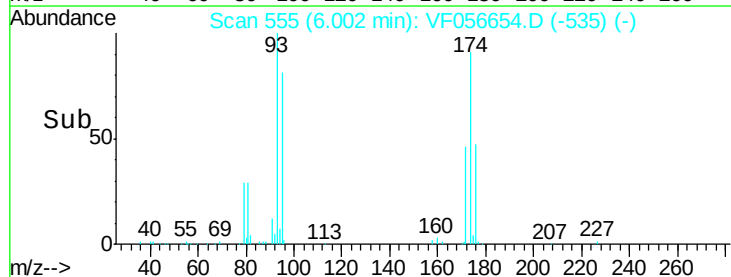
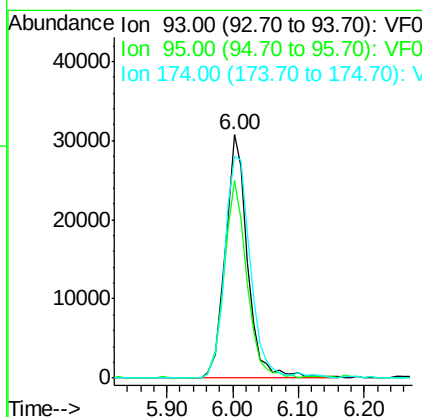
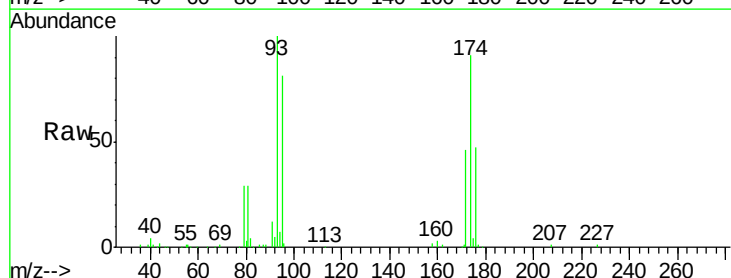
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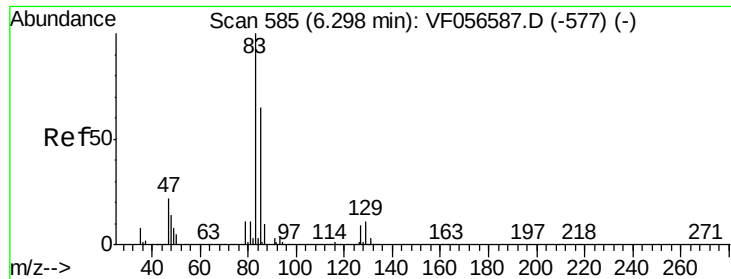
apatel
 2/26/2018 10:57:58 AM



#46
 Dibromomethane
 Concen: 20.25 ug/l
 RT: 6.00 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	63.9	95.9
174	91.3	78.6	118.0





#47

Bromodichloromethane

Concen: 19.99 ug/l

RT: 6.30 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

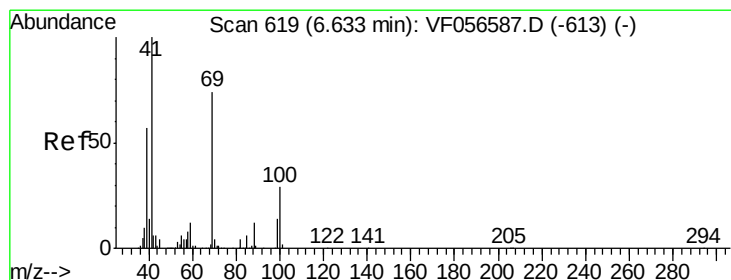
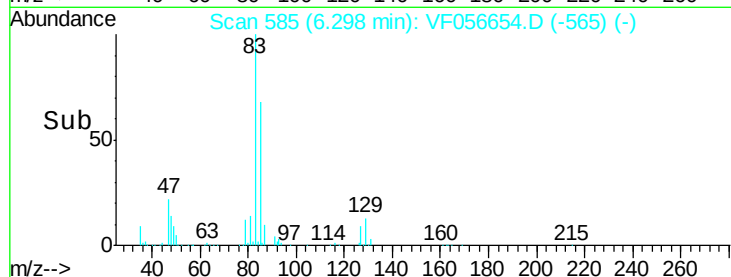
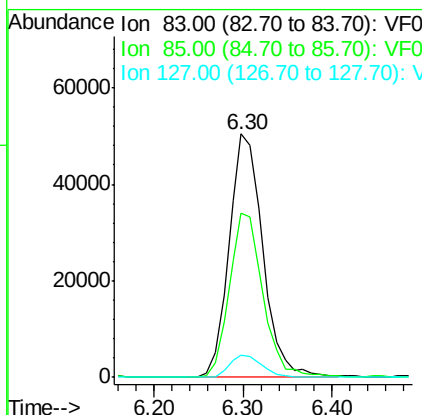
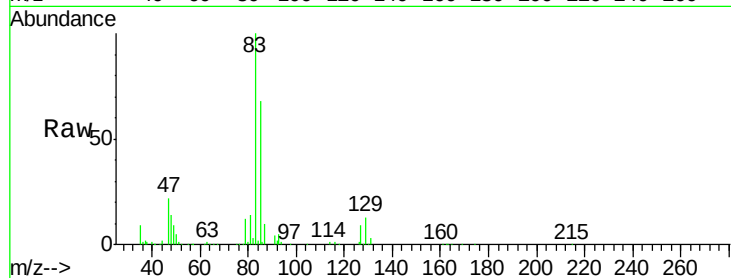
ClientSampleId :

VF0223SBS01

Tgt Ion:	83	Resp:	133463
Ion Ratio	Lower	Upper	
83	100		
85	67.7	52.1	78.1
127	9.1	7.0	10.4

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#48

Methyl methacrylate

Concen: 20.51 ug/l

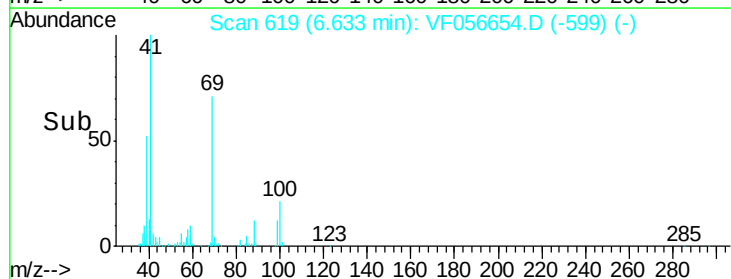
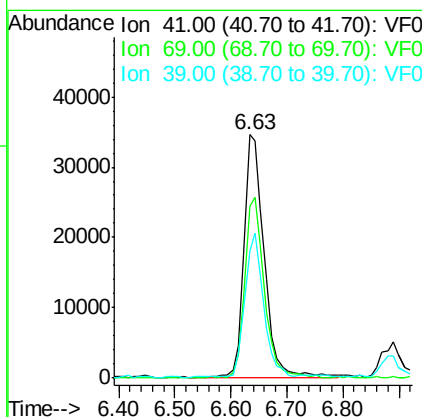
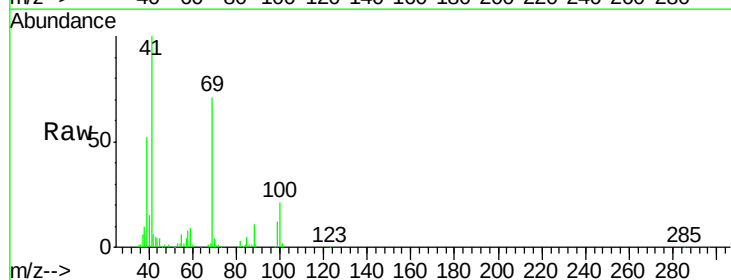
RT: 6.63 min Scan# 619

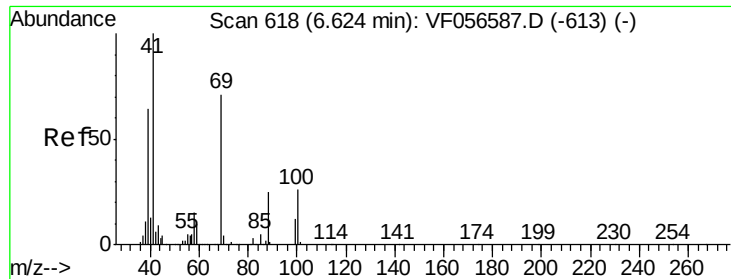
Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion:	41	Resp:	85624
Ion Ratio	Lower	Upper	
41	100		
69	70.8	58.8	88.2
39	52.4	46.1	69.1





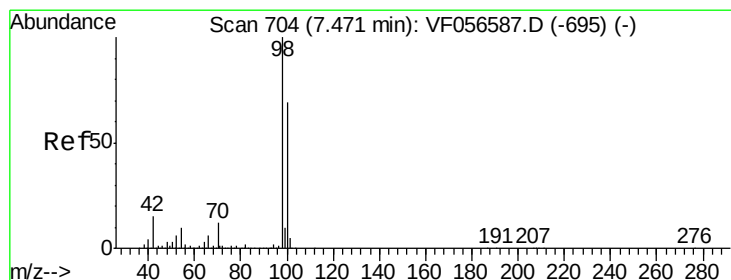
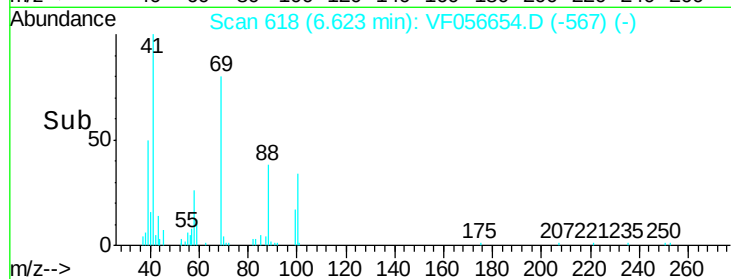
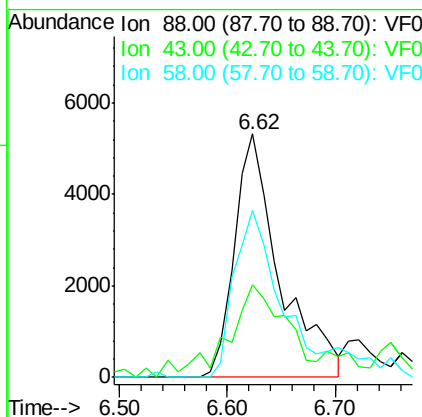
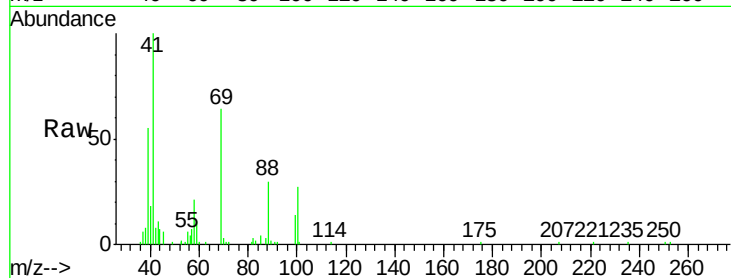
#49
1,4-Dioxane
Concen: 360.01 ug/l
RT: 6.62 min Scan# 618
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.8	46.2
58	68.6	49.8	74.6

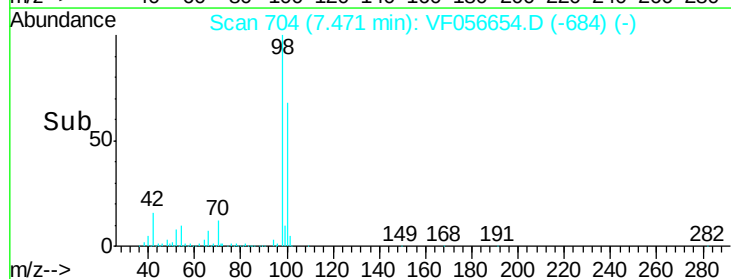
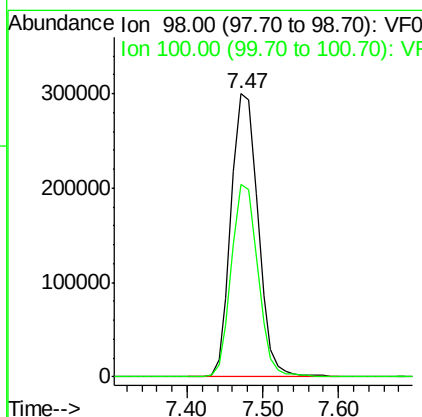
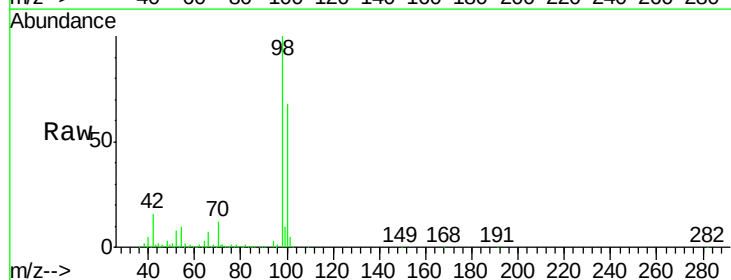
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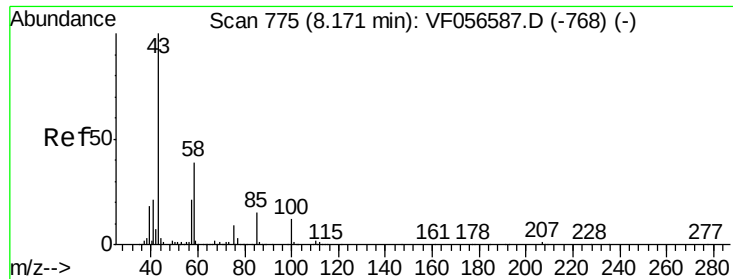
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#50
Toluene-d8
Concen: 47.75 ug/l
RT: 7.47 min Scan# 704
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.1	55.4	83.0





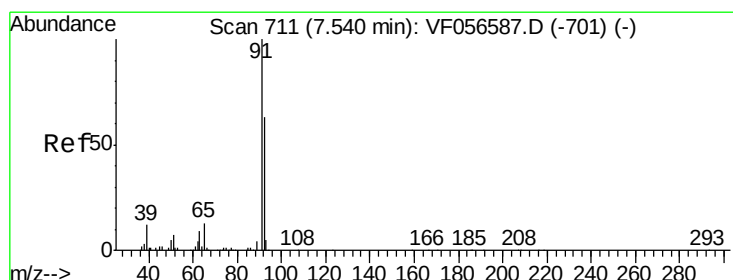
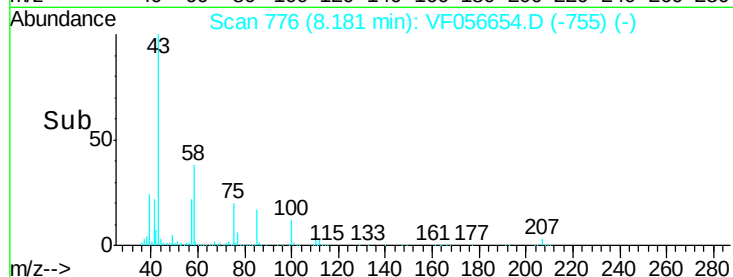
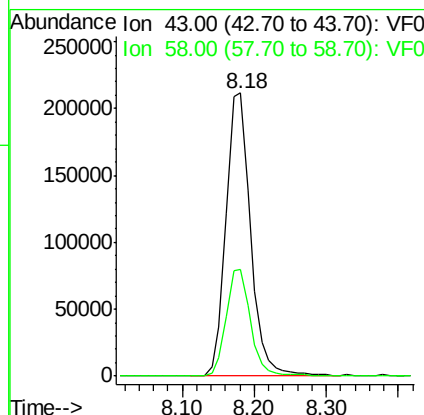
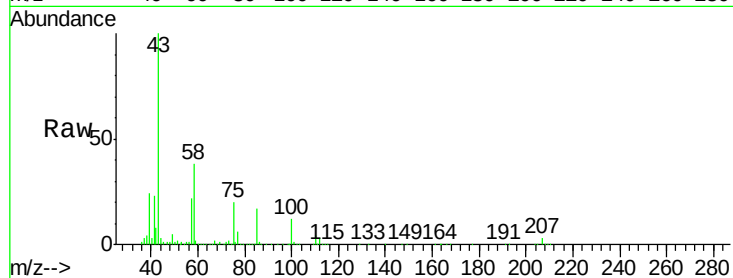
#51
 4-Methyl-2-Pentanone
 Concen: 102.93 ug/l
 RT: 8.18 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion: 43 Resp: 501583
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.9 46.3

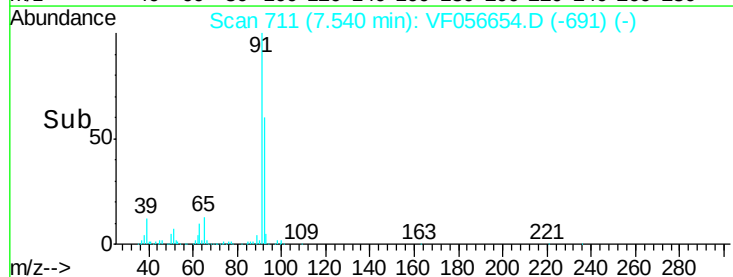
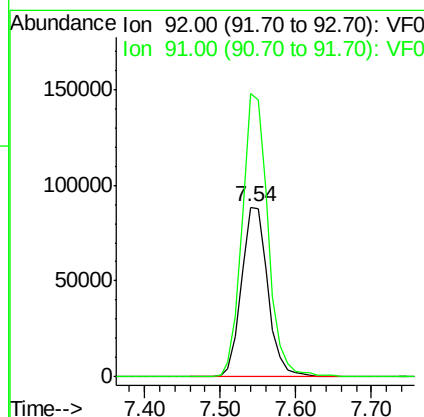
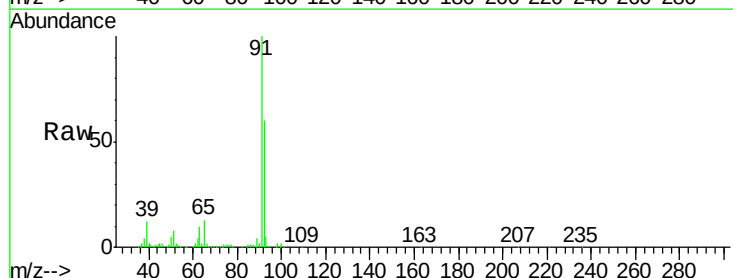
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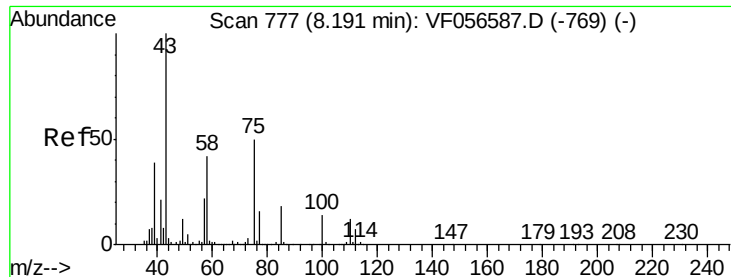
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#52
 Toluene
 Concen: 19.32 ug/l
 RT: 7.54 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion: 92 Resp: 212025
 Ion Ratio Lower Upper
 92 100
 91 166.5 127.2 190.8





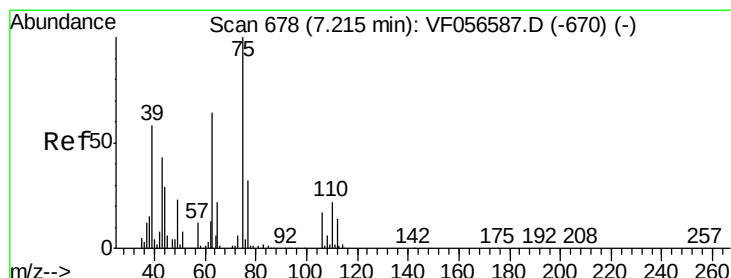
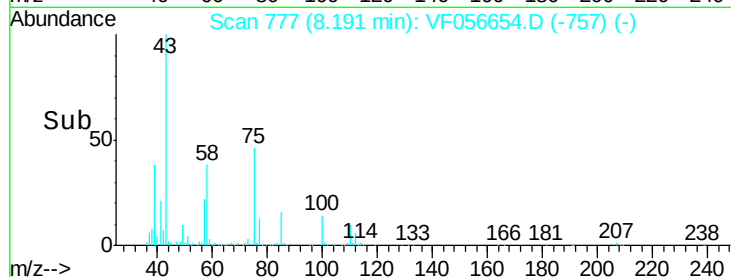
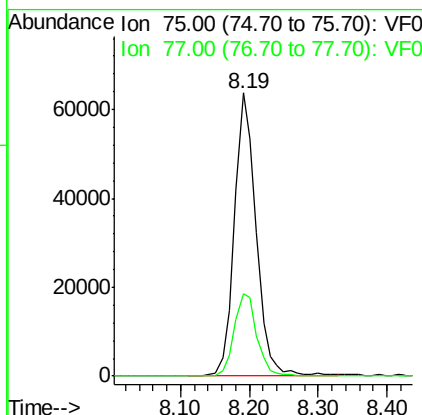
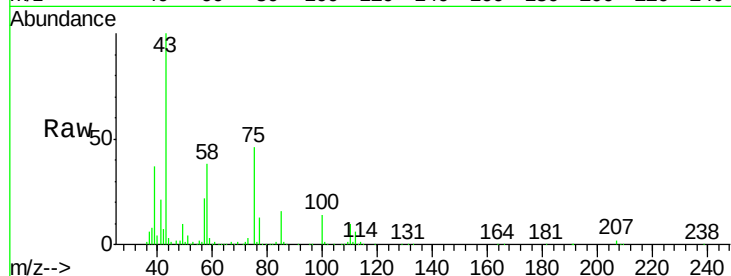
#53
t-1,3-Dichloropropene
Concen: 20.78 ug/l
RT: 8.19 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion: 75 Resp: 139723
Ion Ratio Lower Upper
75 100
77 29.1 25.0 37.4

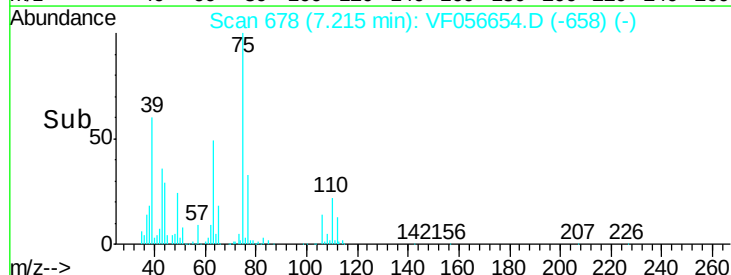
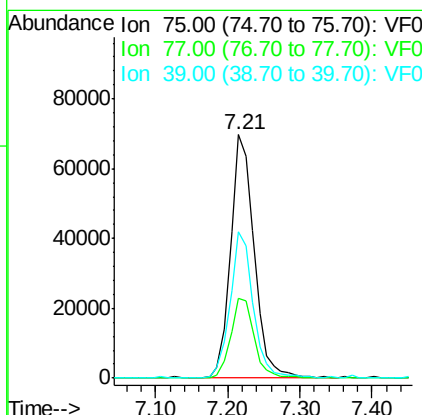
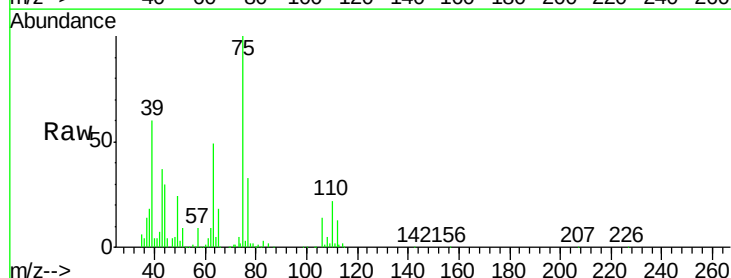
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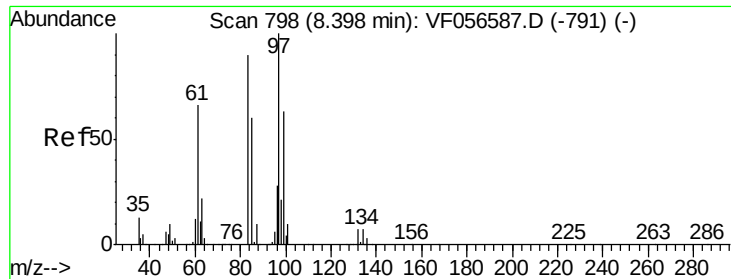
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#54
cis-1,3-Dichloropropene
Concen: 20.25 ug/l
RT: 7.21 min Scan# 678
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion: 75 Resp: 158431
Ion Ratio Lower Upper
75 100
77 32.9 25.7 38.5
39 60.2 47.0 70.6





#55

1,1,2-Trichloroethane

Concen: 19.90 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

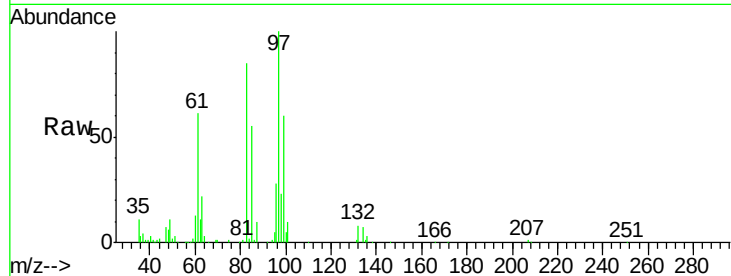
ClientSampleId :

VF0223SBS01

Tgt Ion:	97	Resp:	86513
Ion Ratio	Lower	Upper	
97	100		
83	85.1	71.8	107.8
85	55.1	48.0	72.0
99	60.5	50.2	75.2

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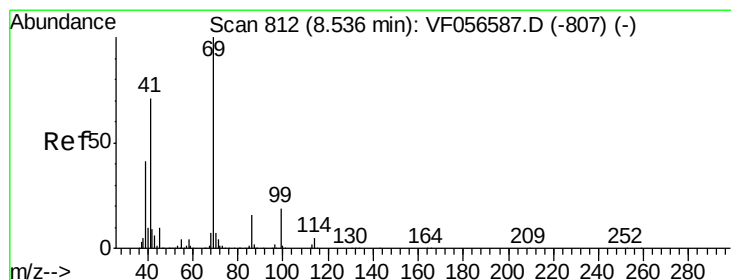
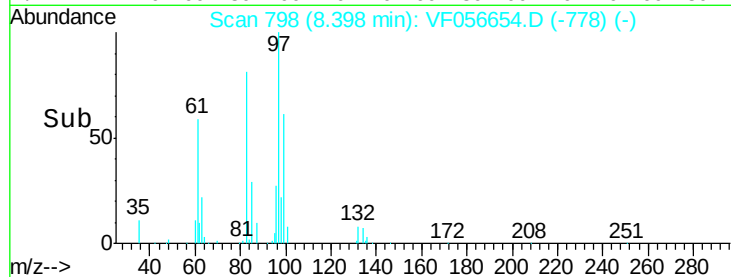
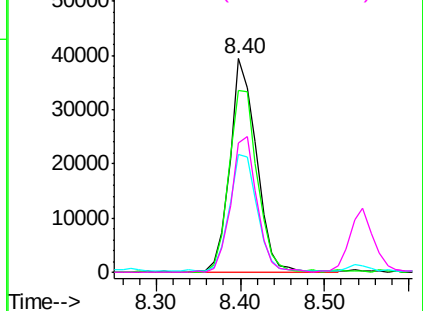


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.85 ug/l

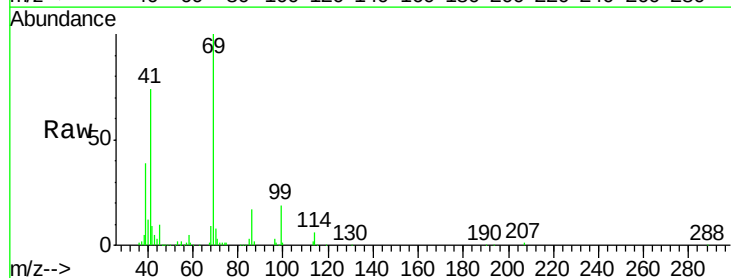
RT: 8.54 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

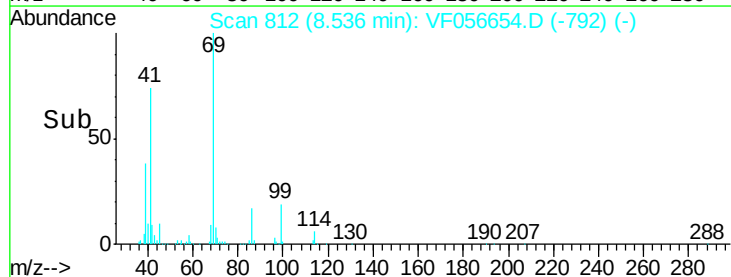
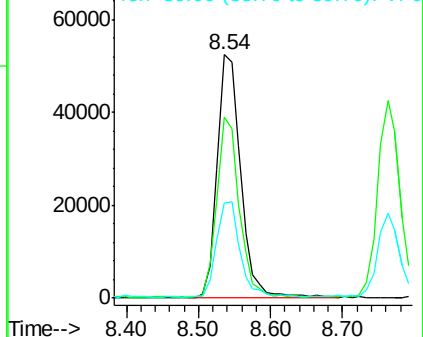
Tgt Ion:	69	Resp:	118411
Ion Ratio	Lower	Upper	
69	100		
41	74.3	57.2	85.8
39	39.1	33.0	49.6

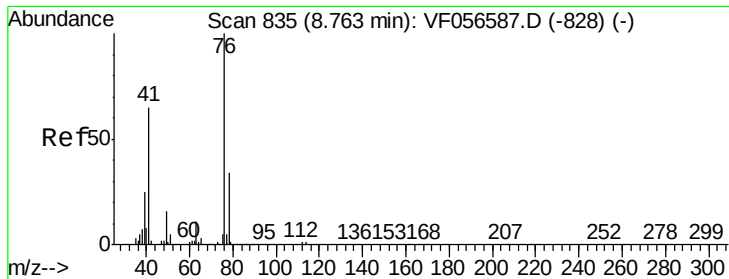


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.60 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 76 Resp: 148159

Ion Ratio Lower Upper

76 100

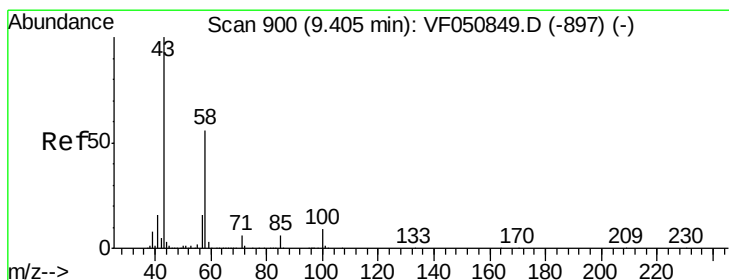
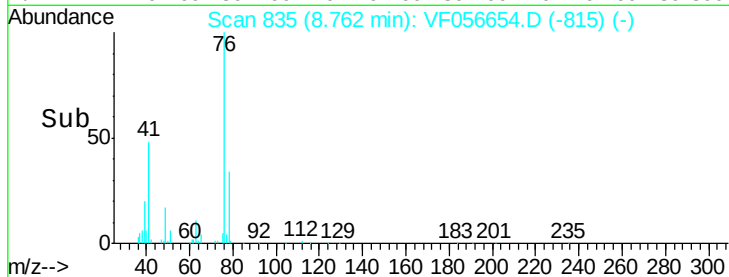
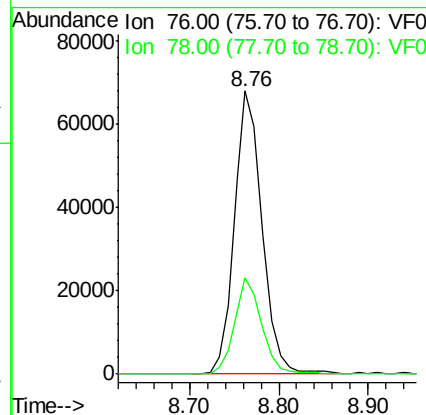
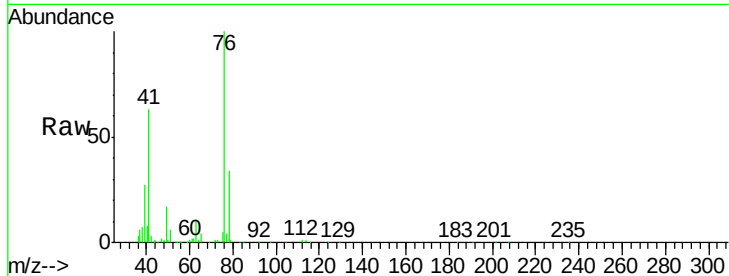
78 34.1 27.0 40.6

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#58

2-Chloroethyl Vinyl ether

Concen: 45.02 ug/l

RT: 7.54 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF056654.D

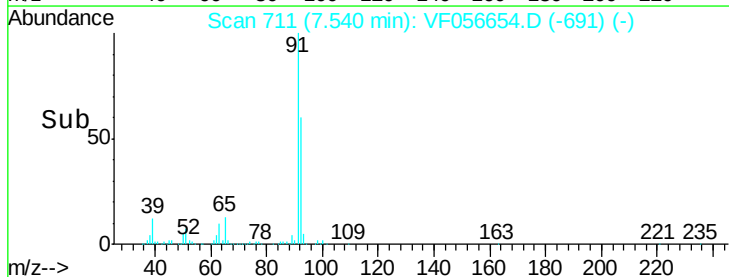
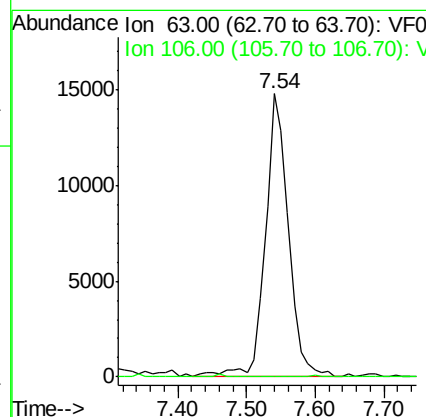
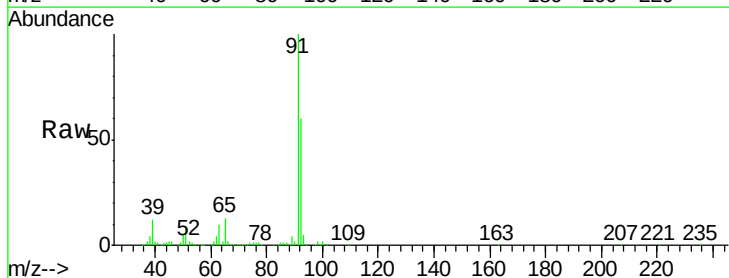
Acq: 23 Feb 2018 14:16

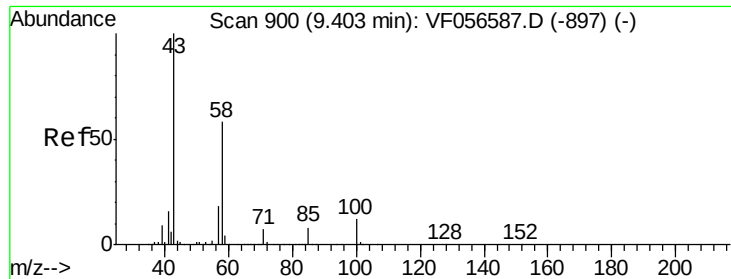
Tgt Ion: 63 Resp: 34759

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 99.73 ug/l

RT: 9.40 min Scan# 900

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 43 Resp: 394436

Ion Ratio Lower Upper

43 100

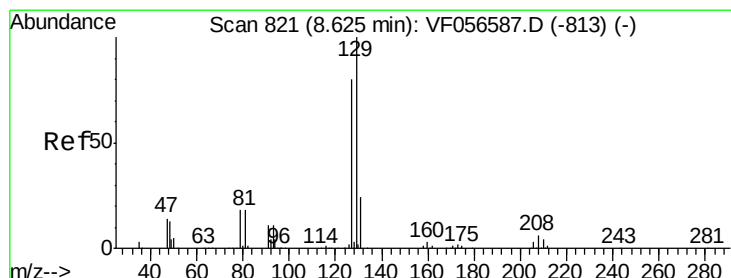
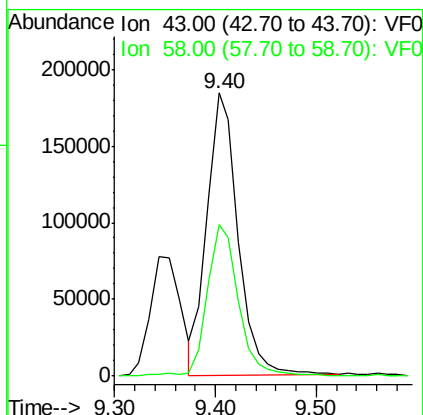
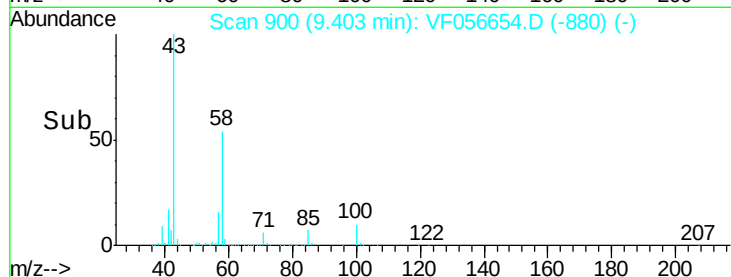
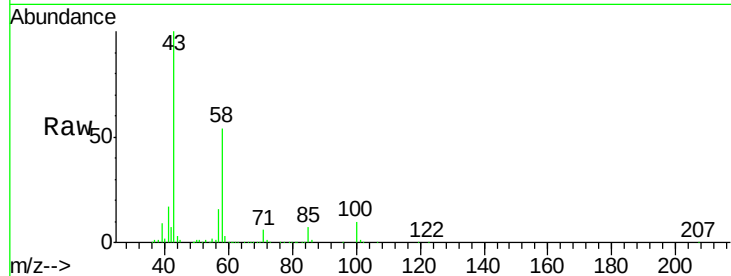
58 53.6 26.6 79.7

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#60

Dibromochloromethane

Concen: 20.68 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF056654.D

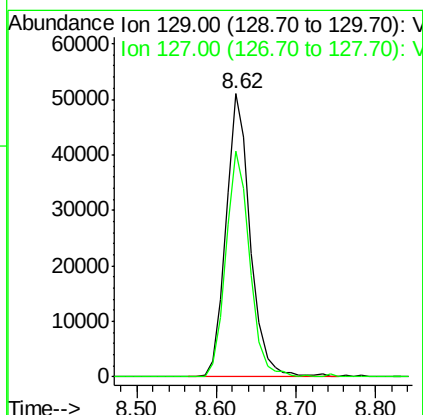
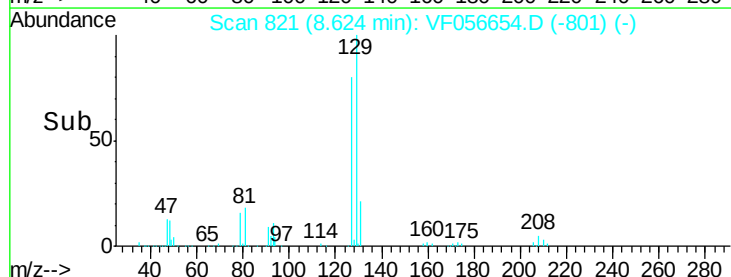
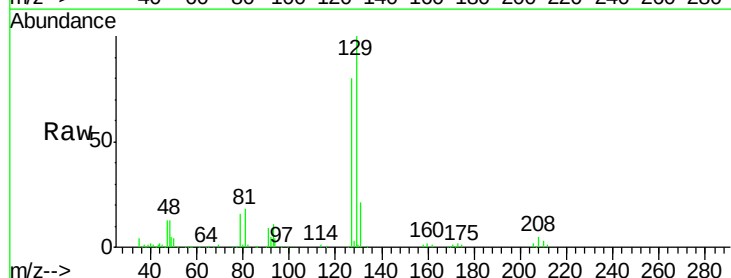
Acq: 23 Feb 2018 14:16

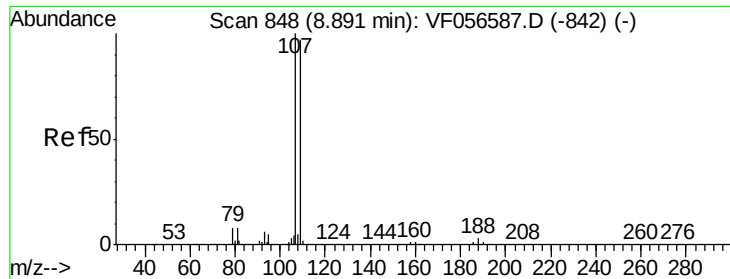
Tgt Ion: 129 Resp: 109036

Ion Ratio Lower Upper

129 100

127 79.7 40.2 120.5





#61

1,2-Dibromoethane

Concen: 20.33 ug/l

RT: 8.89 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 107 Resp: 102355

Ion Ratio Lower Upper

107 100

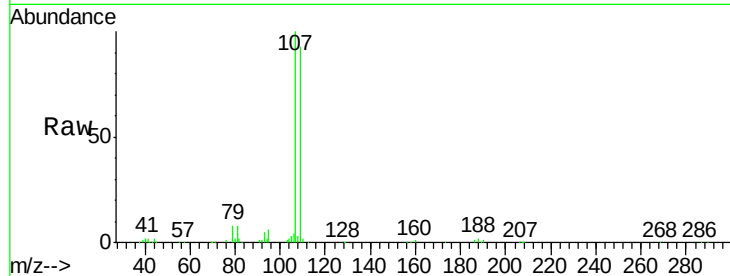
109 93.5 77.4 116.0

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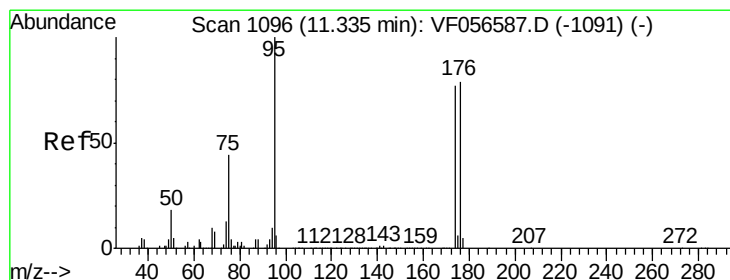
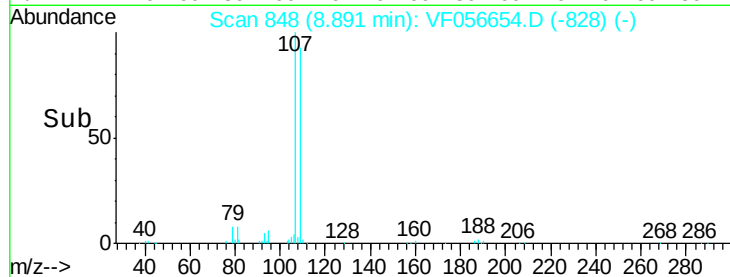
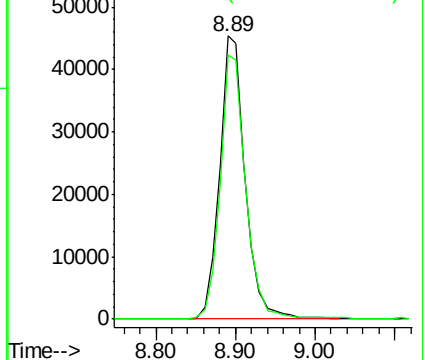
apatel

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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: 51.37 ug/l

RT: 11.34 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

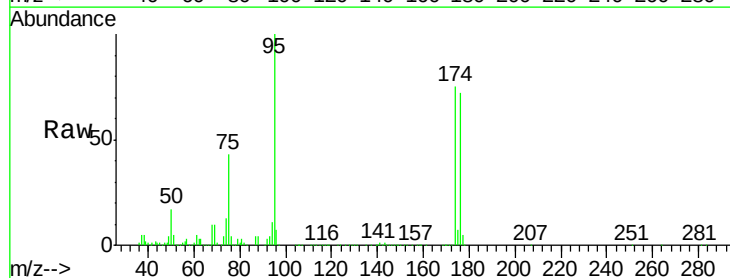
Tgt Ion: 95 Resp: 363592

Ion Ratio Lower Upper

95 100

174 75.0 0.0 154.2

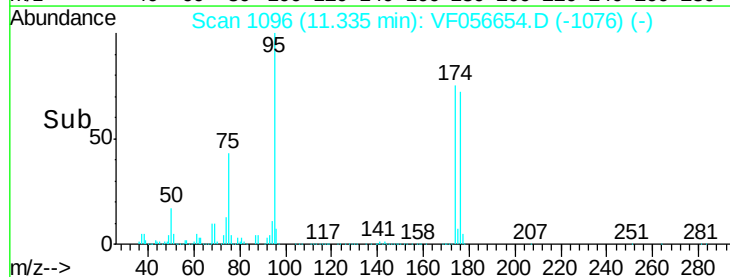
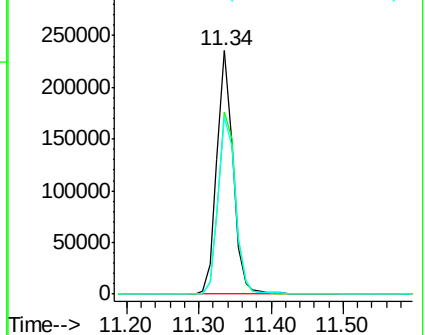
176 72.5 0.0 157.2

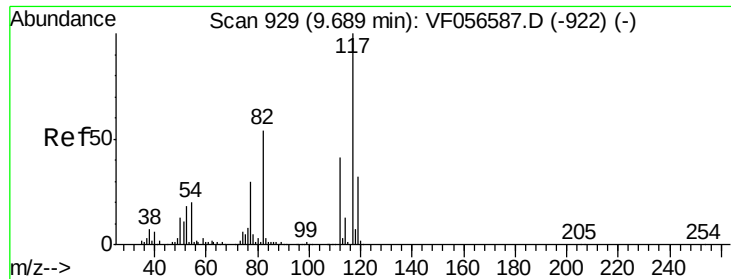


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





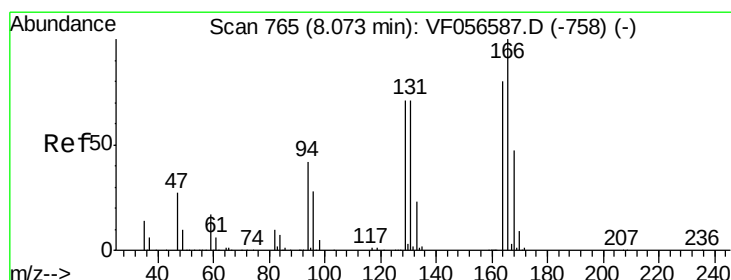
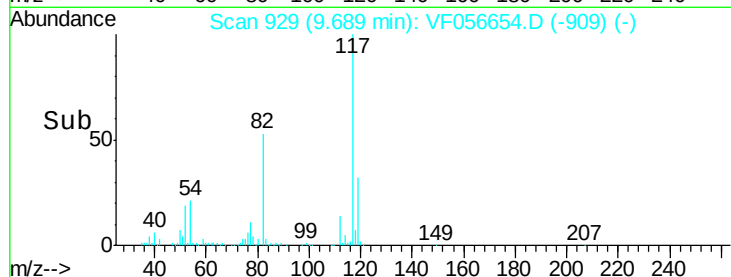
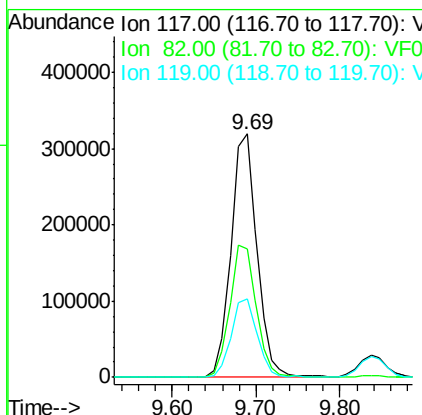
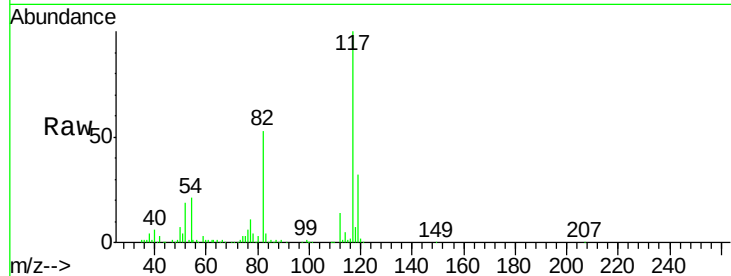
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.69 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	686205		
82	53.0	43.0	64.6	
119	32.3	25.5	38.3	

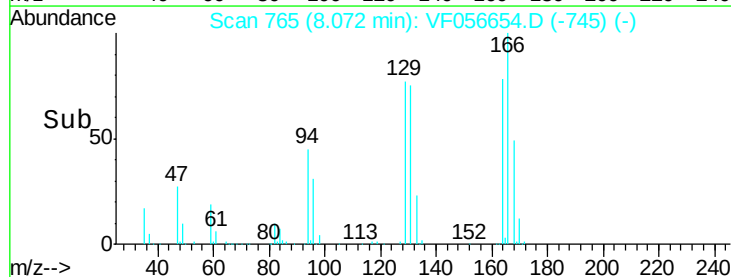
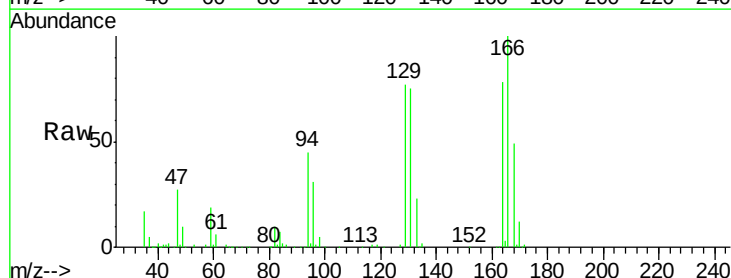
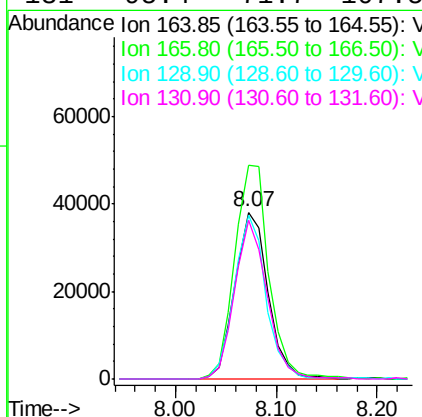
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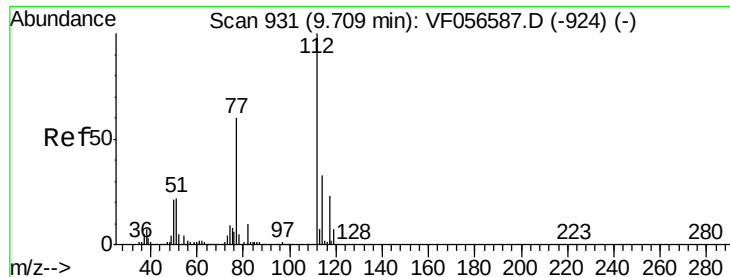
apatel
2/26/2018 10:57:58 AM



#64
Tetrachloroethene
Concen: 17.64 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87142		
166	127.9	100.3	150.5	
129	98.2	71.4	107.0	
131	95.4	71.7	107.5	





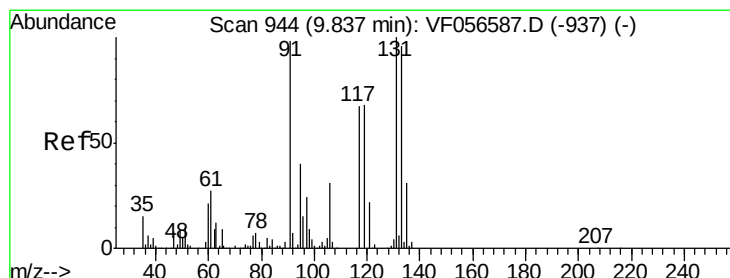
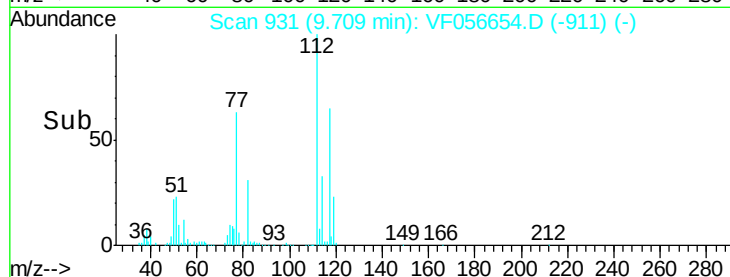
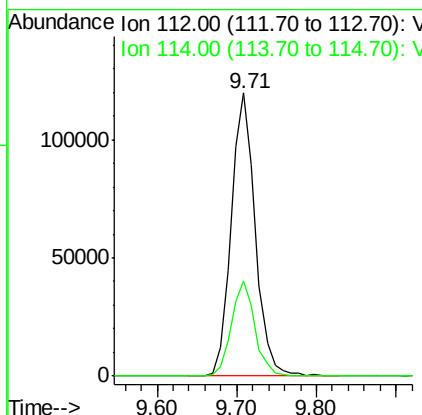
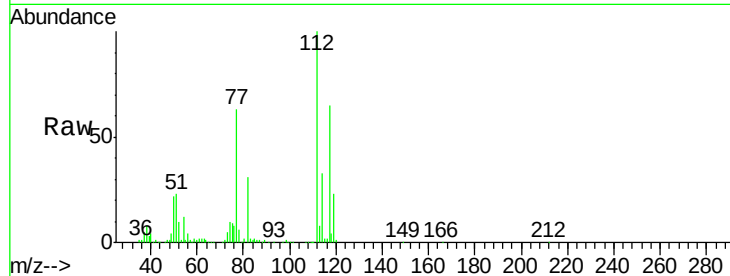
#65
Chlorobenzene
Concen: 18.82 ug/l
RT: 9.71 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion:112 Resp: 253044
Ion Ratio Lower Upper
112 100
114 33.5 26.6 40.0

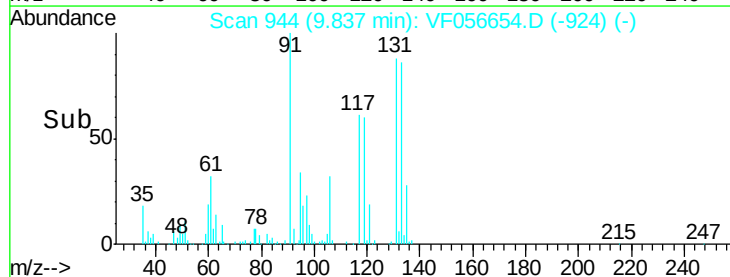
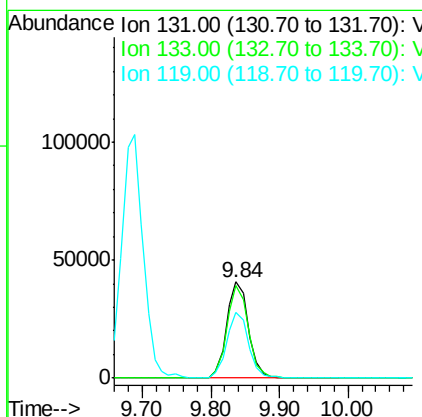
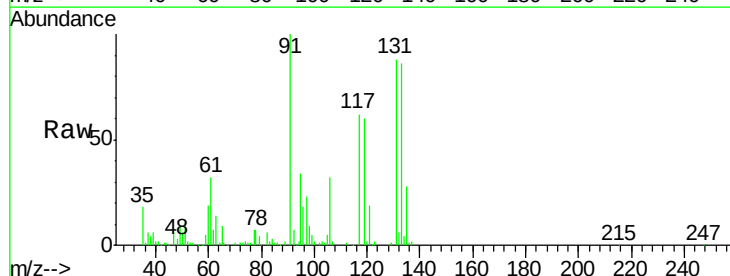
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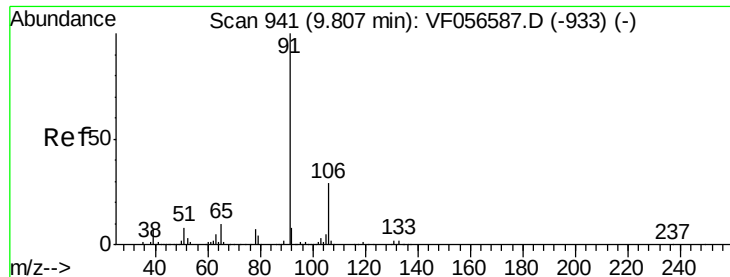
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.16 ug/l
RT: 9.84 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion:131 Resp: 88810
Ion Ratio Lower Upper
131 100
133 97.3 48.2 144.6
119 68.2 34.0 101.8





#67

Ethyl Benzene

Concen: 19.16 ug/l

RT: 9.82 min Scan# 942

Delta R.T. 0.01 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion: 91 Resp: 439366

Ion Ratio Lower Upper

91 100

106 28.2 23.2 34.8

Instrument :

MSVOA_F

ClientSampleId :

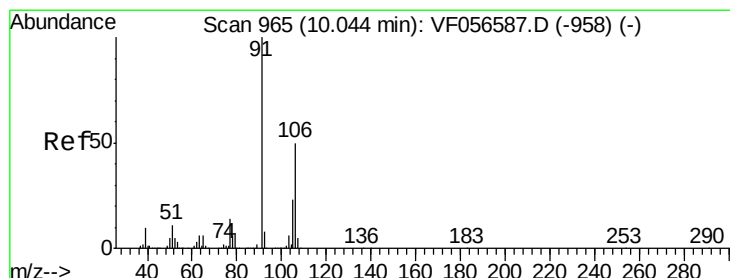
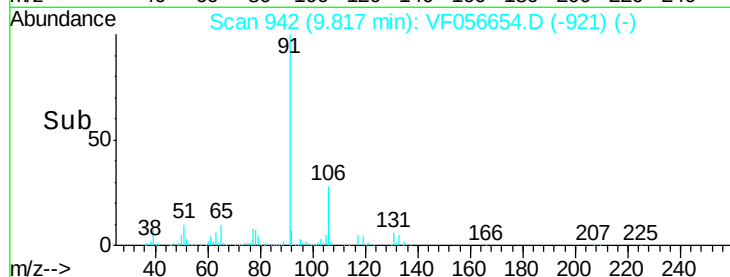
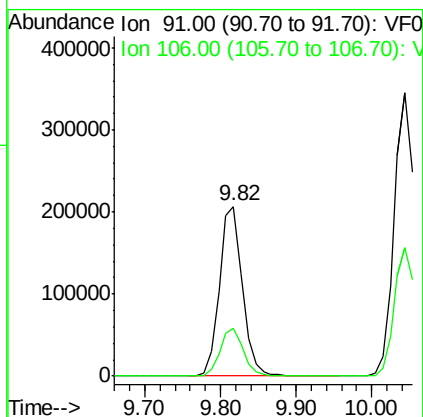
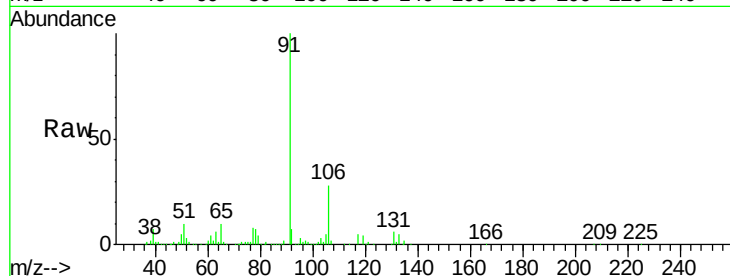
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#68

m/p-Xylenes

Concen: 37.79 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF056654.D

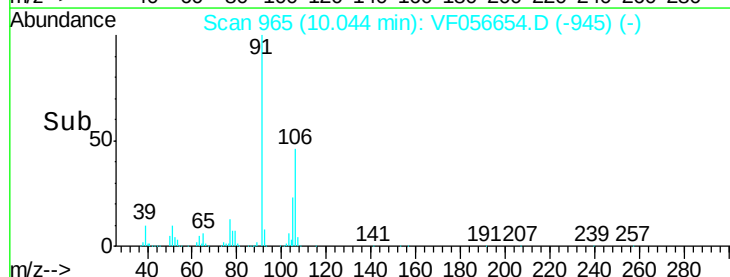
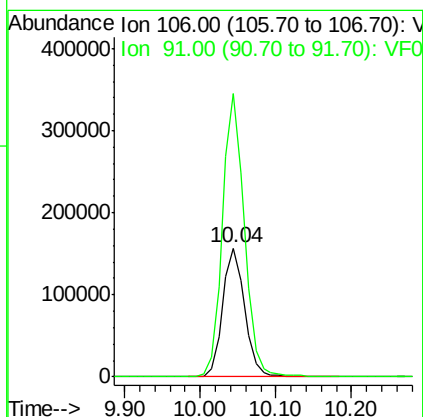
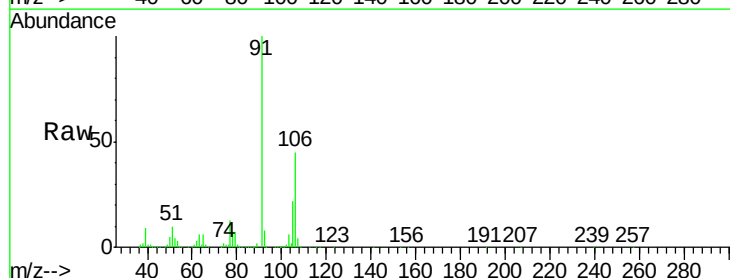
Acq: 23 Feb 2018 14:16

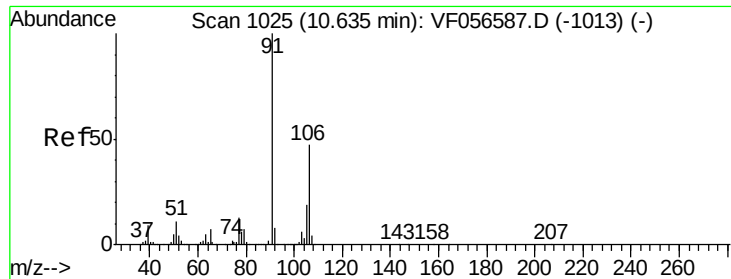
Tgt Ion: 106 Resp: 316961

Ion Ratio Lower Upper

106 100

91 220.1 159.2 238.8





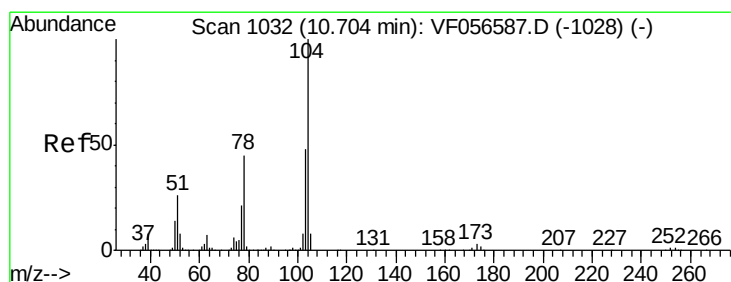
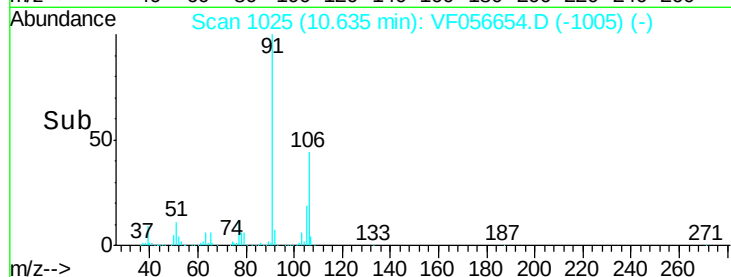
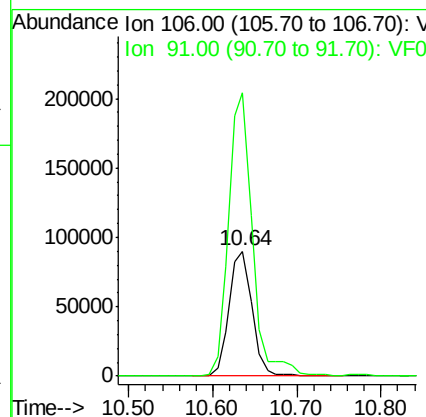
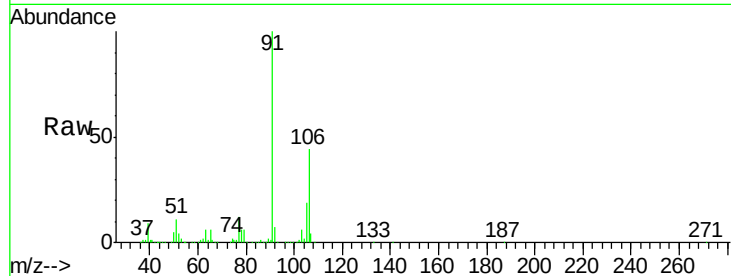
#69
o-Xylene
Concen: 19.76 ug/l
RT: 10.64 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	226.1	107.6	322.8

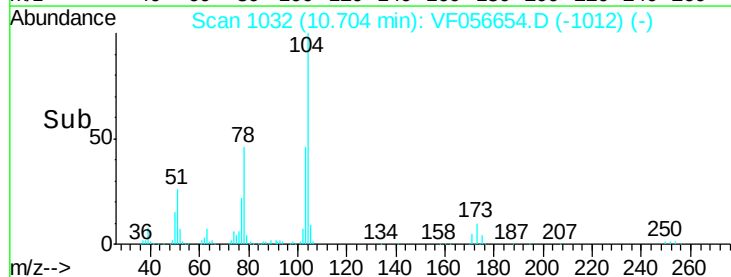
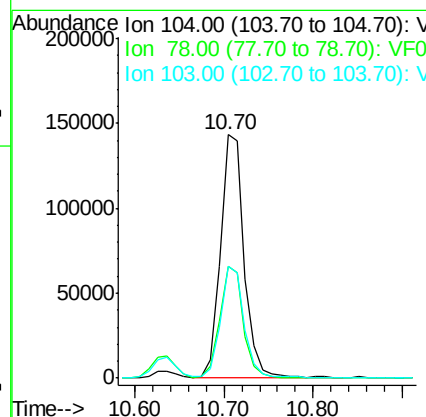
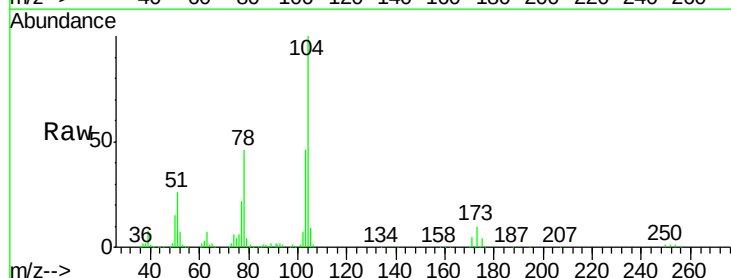
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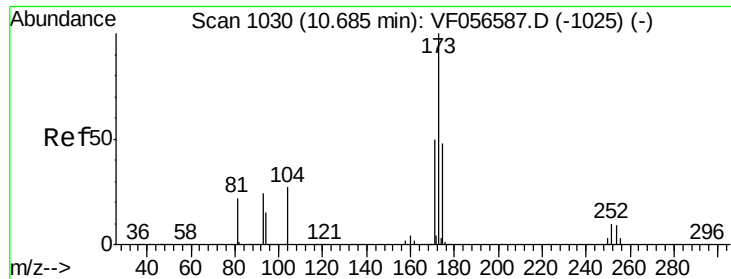
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#70
Styrene
Concen: 19.23 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.0	36.4	54.6
103	46.1	38.7	58.1





#71

Bromoform

Concen: 18.71 ug/l

RT: 10.68 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

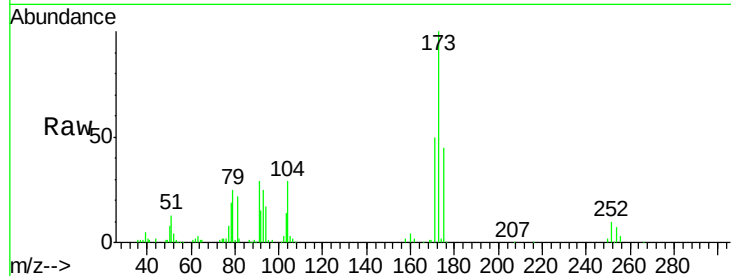
ClientSampleId :

VF0223SBS01

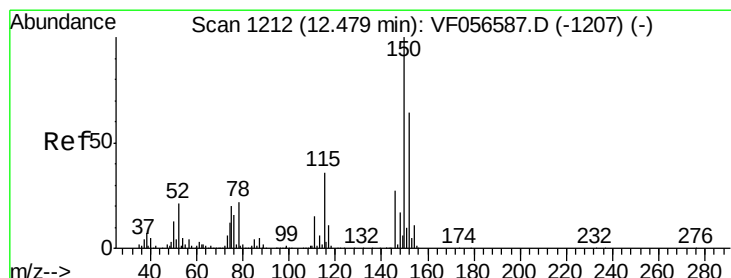
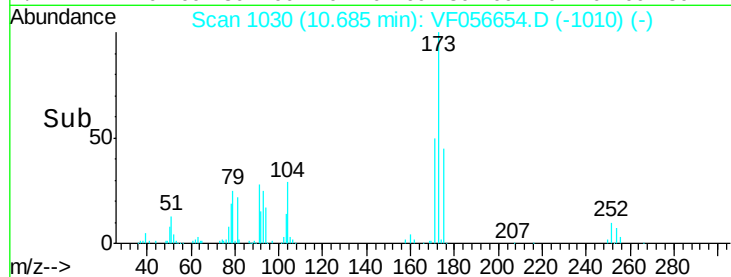
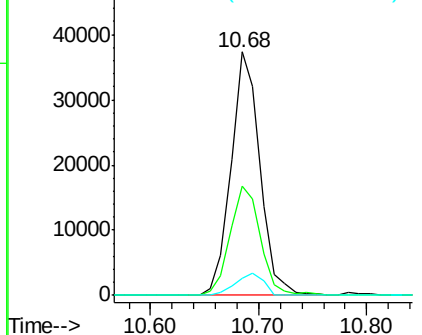
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	69409		
175	44.6	24.0	72.0	
254	7.2	7.5	11.3	

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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

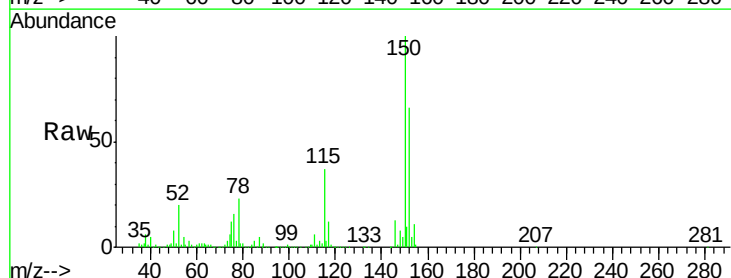
RT: 12.48 min Scan# 1212

Delta R.T. -0.00 min

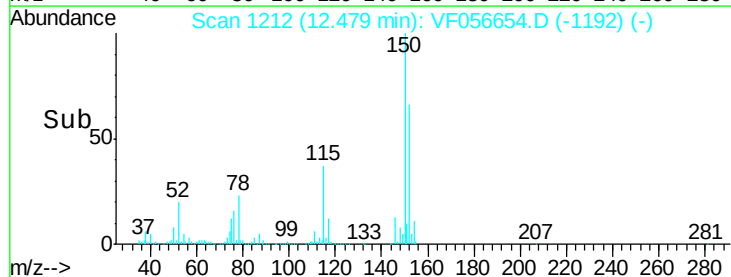
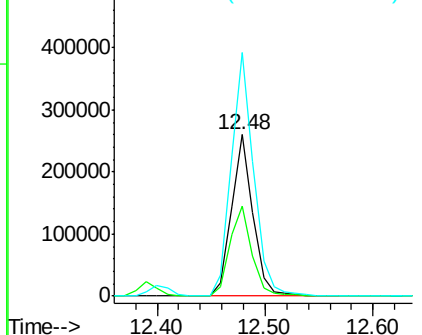
Lab File: VF056654.D

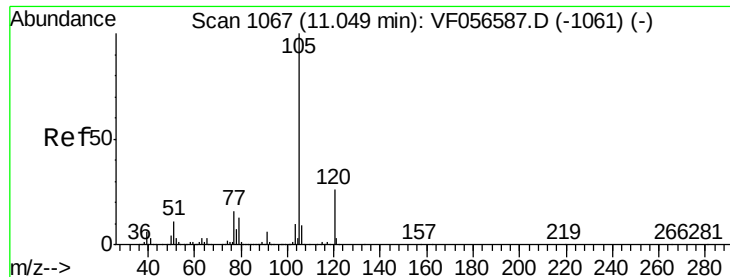
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	360648		
115	55.7	28.1	84.3	
150	150.7	0.0	315.6	



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.46 ug/l

RT: 11.05 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 105 Resp: 462343

Ion Ratio Lower Upper

105 100

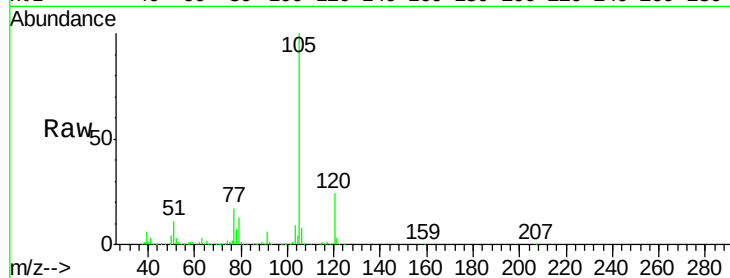
120 24.0 13.2 39.6

Manual Integrations

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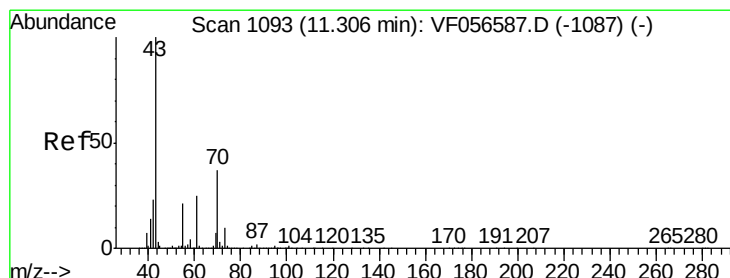
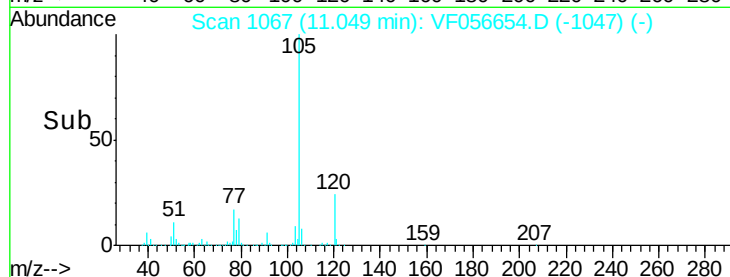
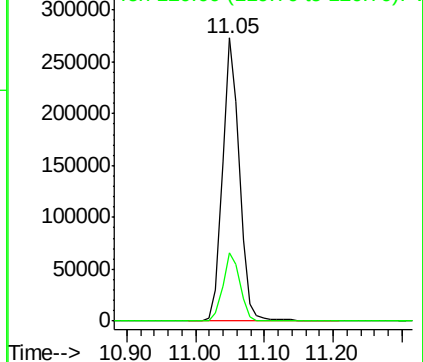
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.49 ug/l

RT: 11.31 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion: 43 Resp: 196469

Ion Ratio Lower Upper

43 100

70 37.8 29.5 44.3

55 21.7 17.0 25.4

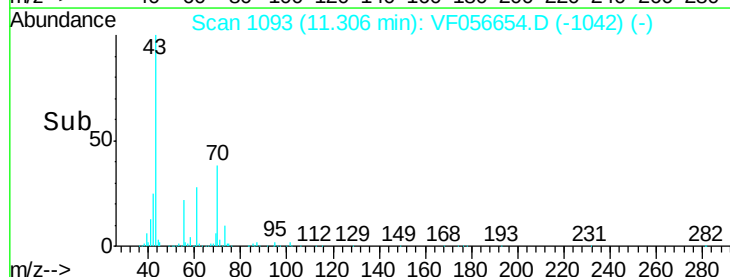
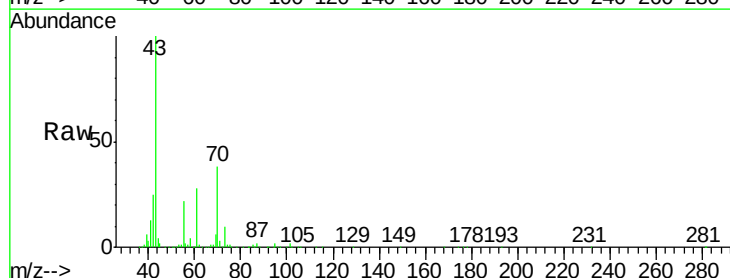
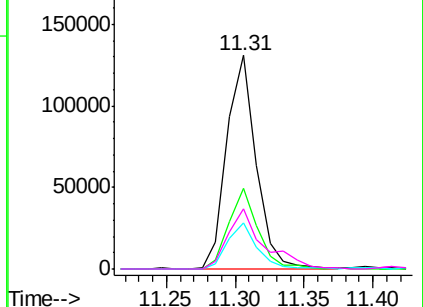
61 28.3 20.0 30.0

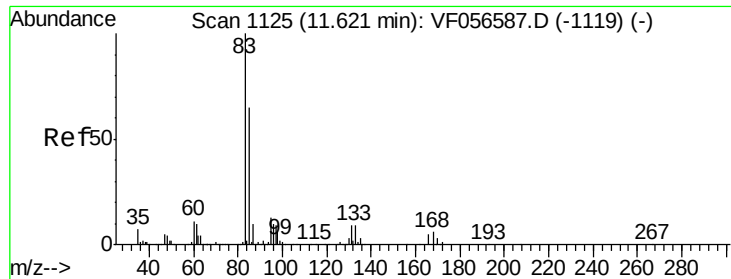
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.16 ug/l

RT: 11.62 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

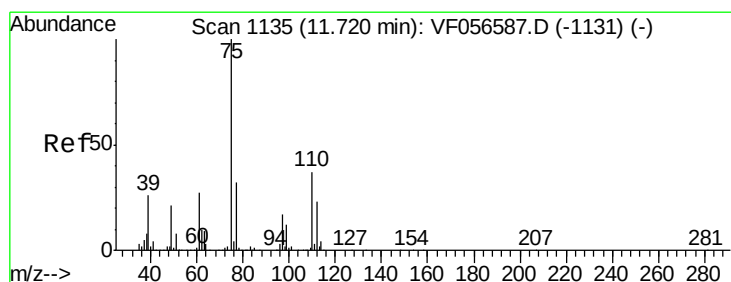
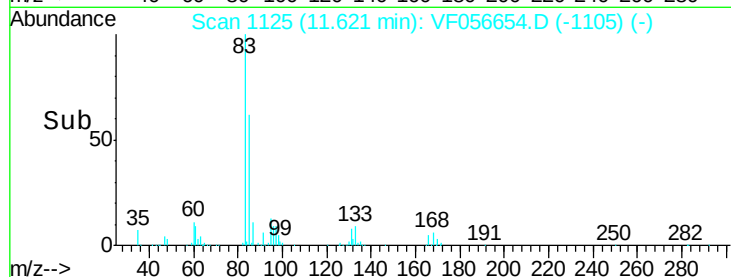
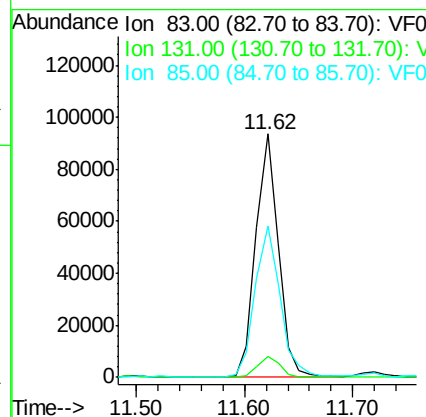
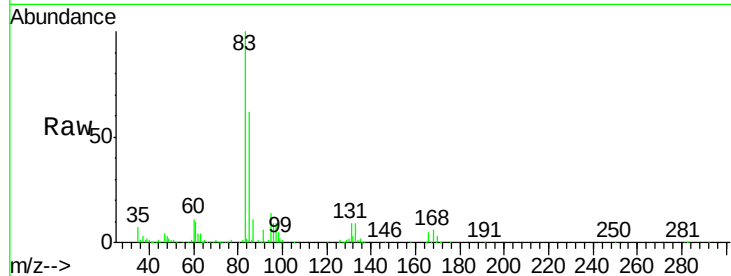
ClientSampleId :

VF0223SBS01

Tgt Ion:	83	Resp:	137691
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.5	13.4
85	62.2	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 19.38 ug/l

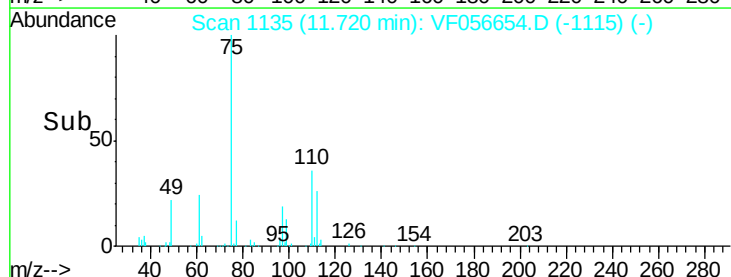
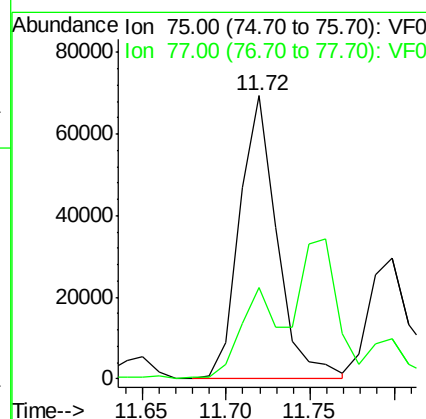
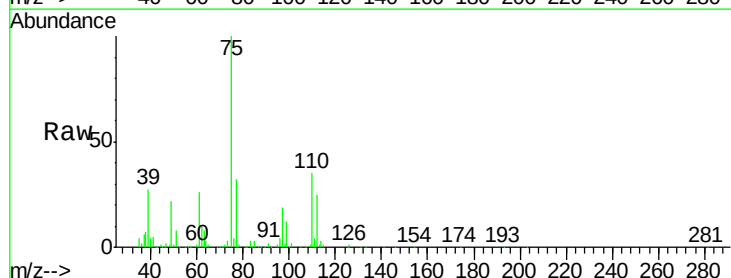
RT: 11.72 min Scan# 1135

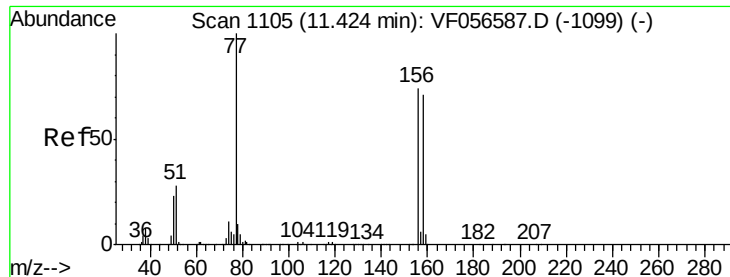
Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion:	75	Resp:	106863
Ion Ratio	Lower	Upper	
75	100		
77	32.1	16.0	48.0





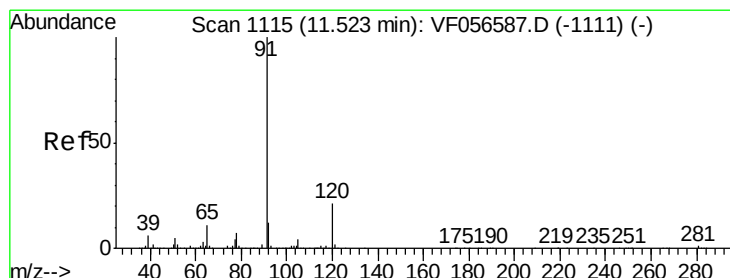
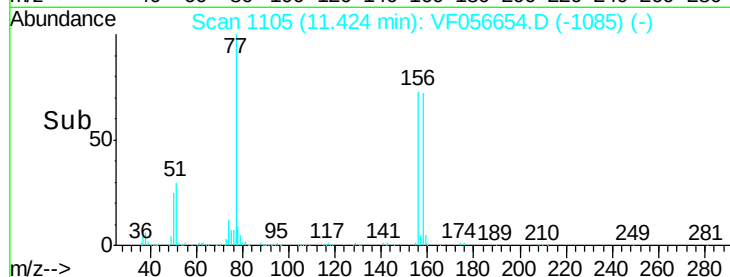
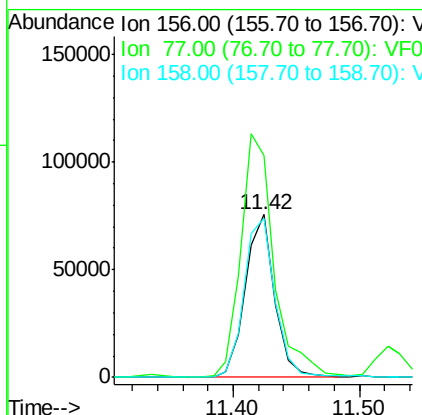
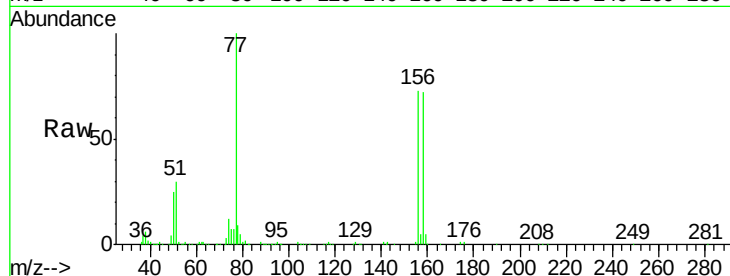
#77
Bromobenzene
Concen: 18.94 ug/l
RT: 11.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	136.6	67.3	201.8
158	97.7	48.0	144.2

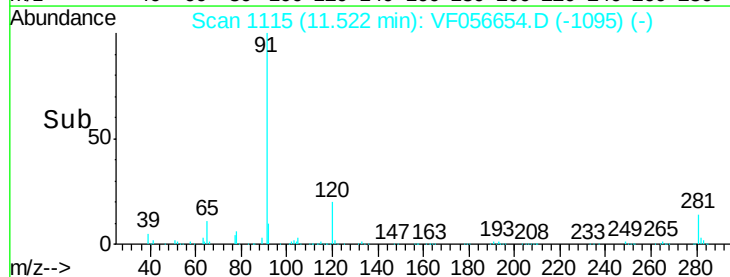
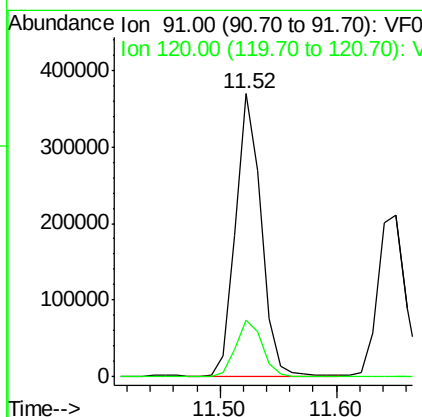
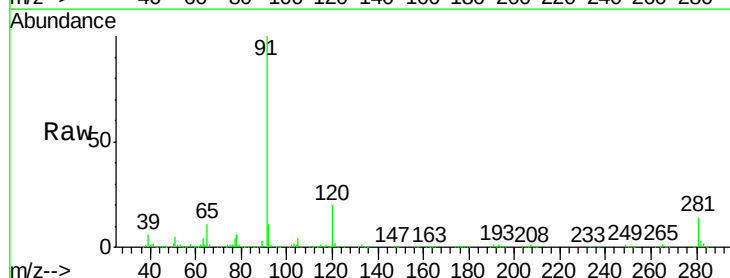
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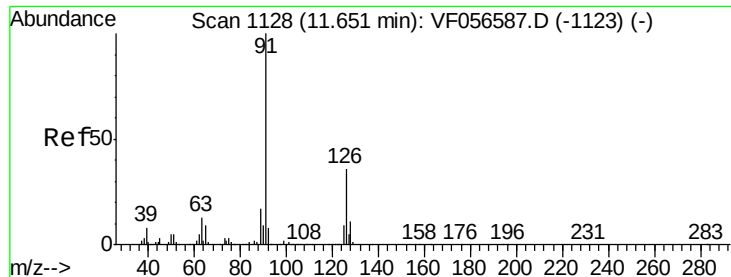
apatel
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#78
n-propylbenzene
Concen: 19.28 ug/l
RT: 11.52 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.7	31.9





#79

2-Chlorotoluene

Concen: 19.87 ug/l

RT: 11.65 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 91 Resp: 342366

Ion Ratio Lower Upper

91 100

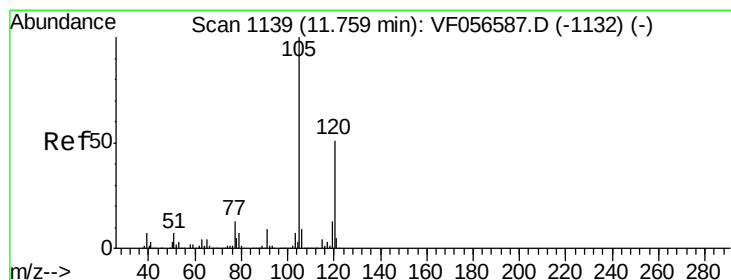
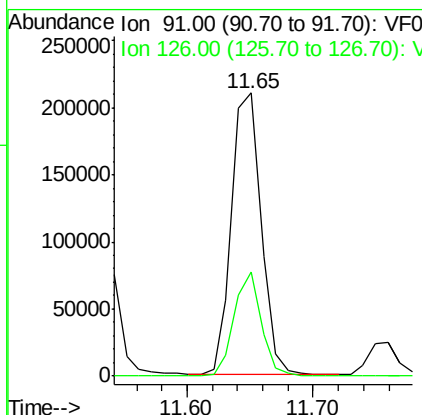
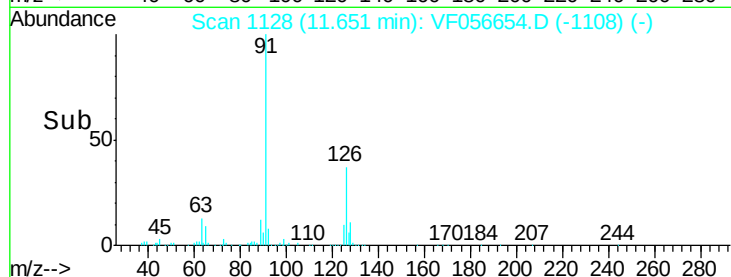
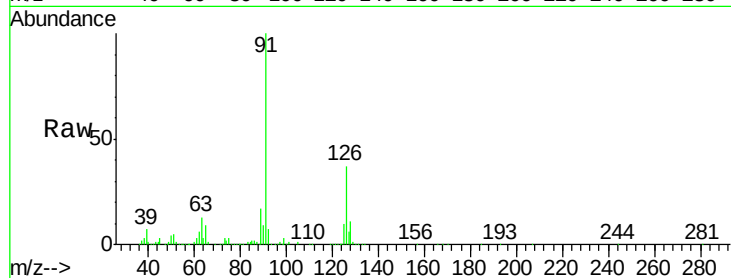
126 36.7 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.02 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF056654.D

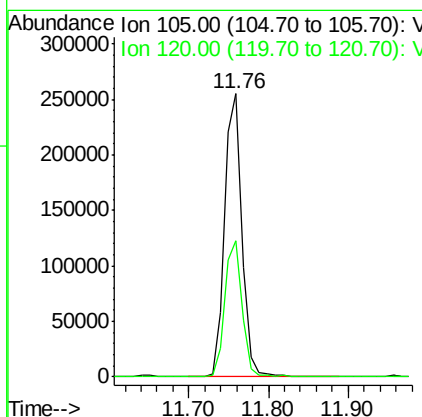
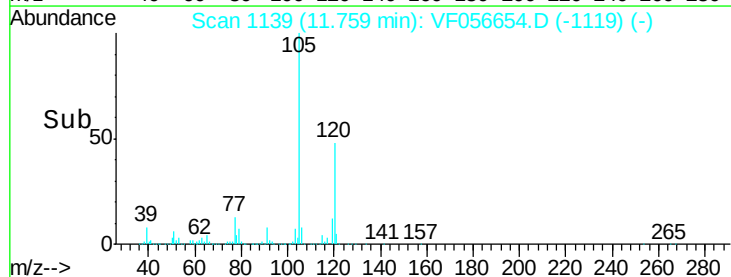
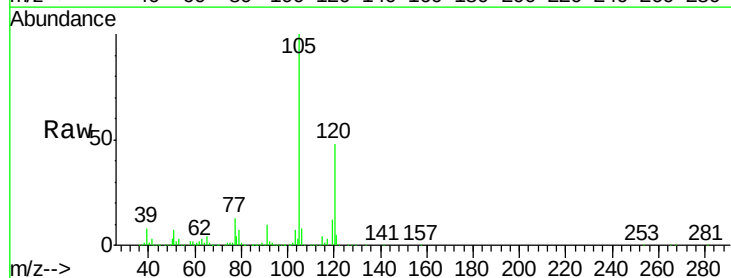
Acq: 23 Feb 2018 14:16

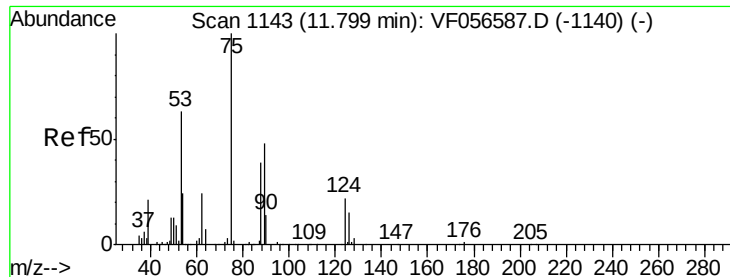
Tgt Ion: 105 Resp: 393994

Ion Ratio Lower Upper

105 100

120 48.3 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.55 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

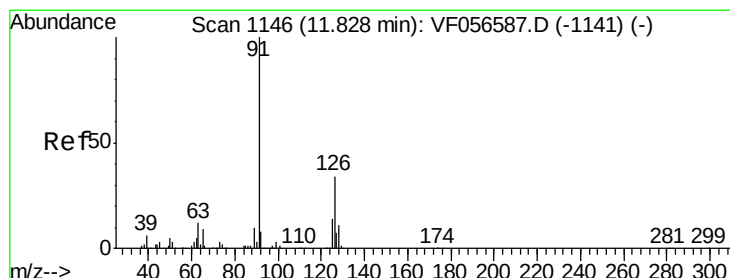
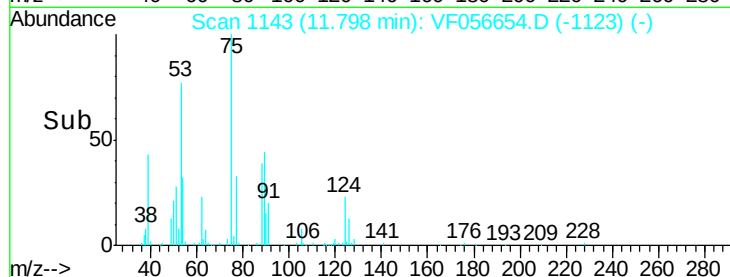
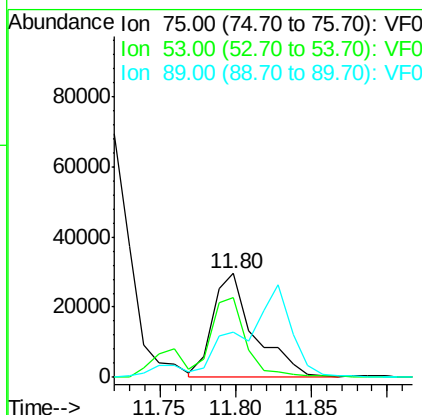
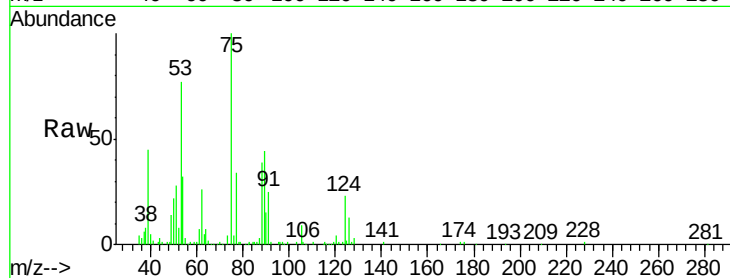
ClientSampleId :

VF0223SBS01

Tgt Ion:	75	Resp:	56032
Ion Ratio	Lower	Upper	
75	100		
53	76.8	55.4	83.0
89	44.3	40.4	60.6

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#82

4-Chlorotoluene

Concen: 19.32 ug/l

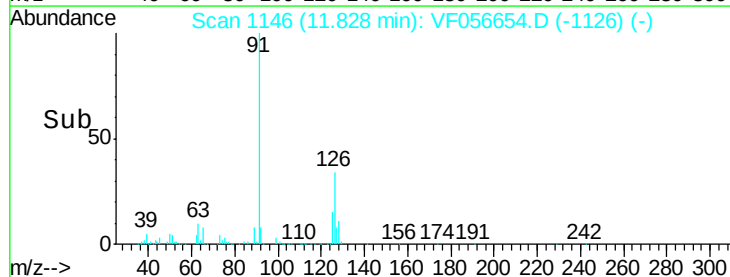
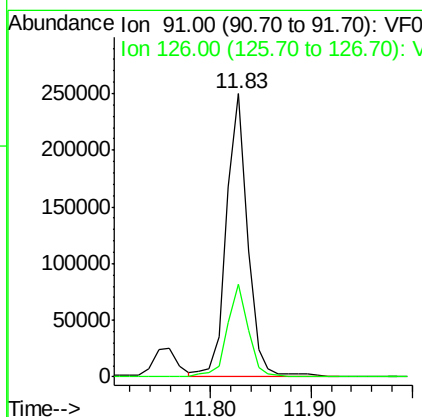
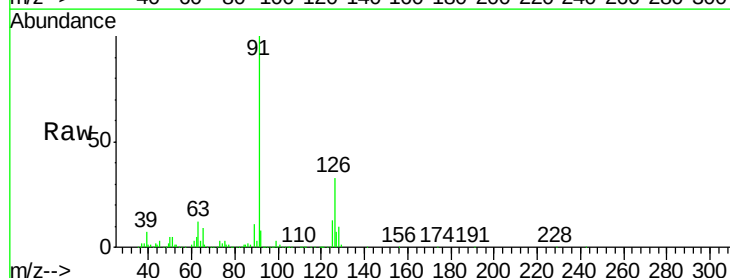
RT: 11.83 min Scan# 1146

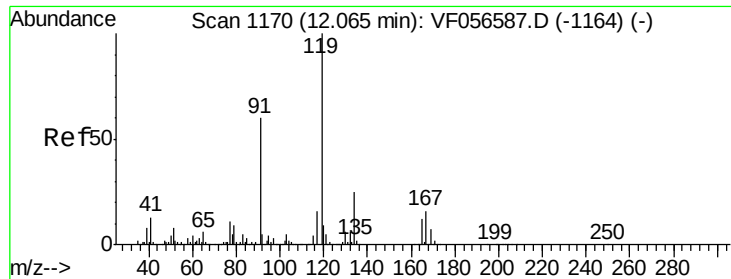
Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion:	91	Resp:	362264
Ion Ratio	Lower	Upper	
91	100		
126	32.5	17.1	51.3





#83

tert-Butylbenzene

Concen: 19.89 ug/l

RT: 12.06 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

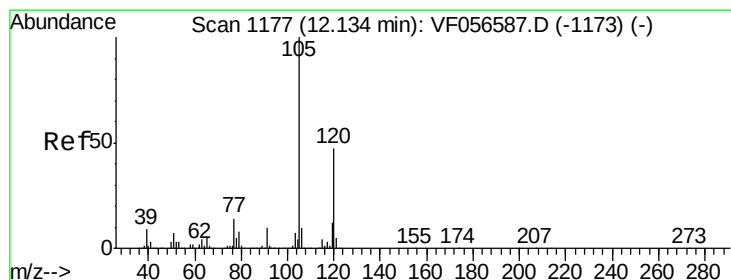
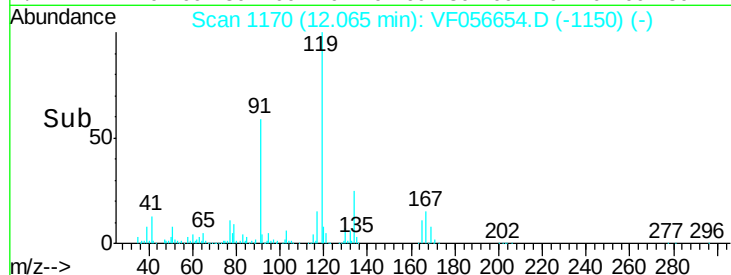
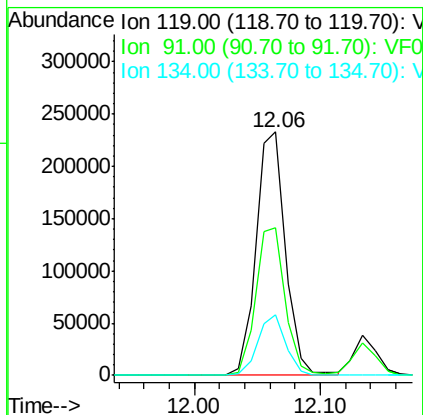
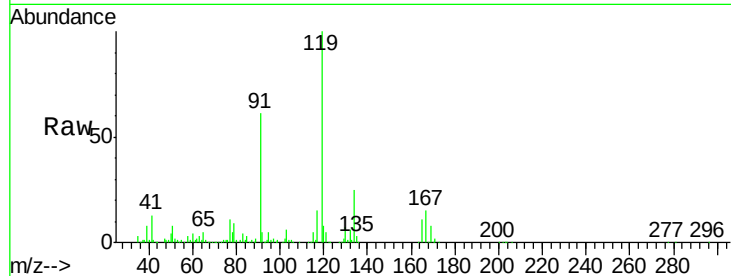
ClientSampleId :

VF0223SBS01

Tgt Ion:	119	Resp:	379160
Ion Ratio	Lower	Upper	
119	100		
91	60.7	29.8	89.4
134	24.8	12.4	37.4

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#84

1,2,4-Trimethylbenzene

Concen: 19.38 ug/l

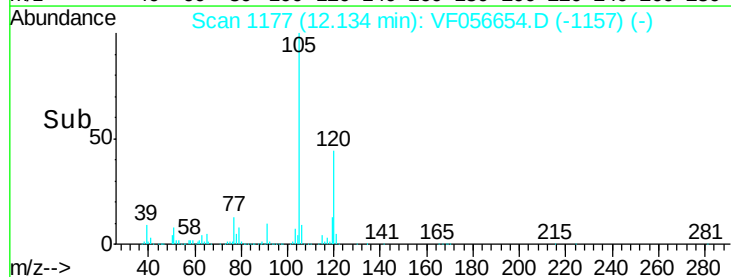
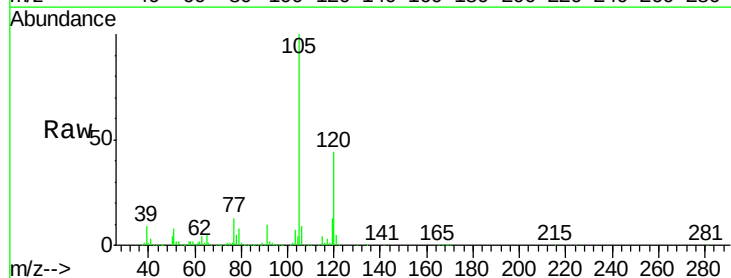
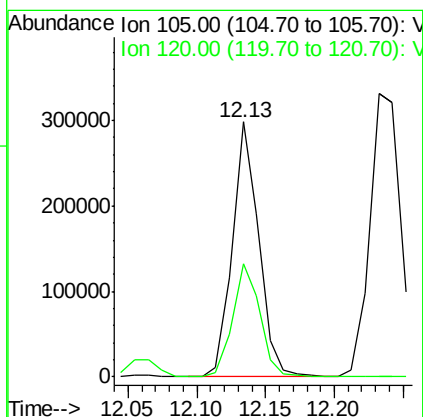
RT: 12.13 min Scan# 1177

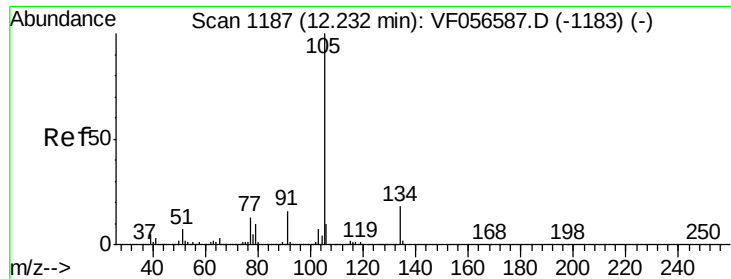
Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion:	105	Resp:	397814
Ion Ratio	Lower	Upper	
105	100		
120	44.3	23.5	70.5





#85

sec-Butylbenzene

Concen: 19.80 ug/l

RT: 12.23 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion:105 Resp: 519546

Ion Ratio Lower Upper

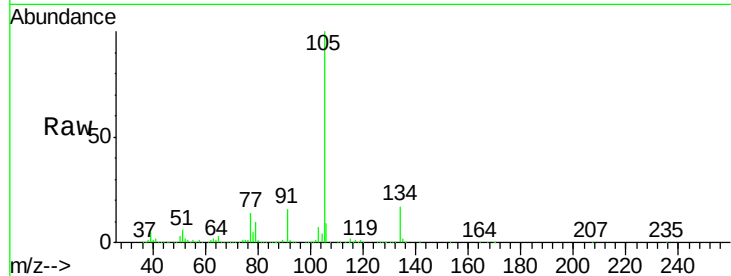
105 100

134 17.1 9.1 27.3

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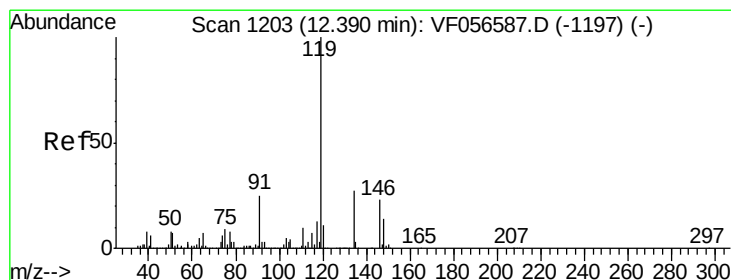
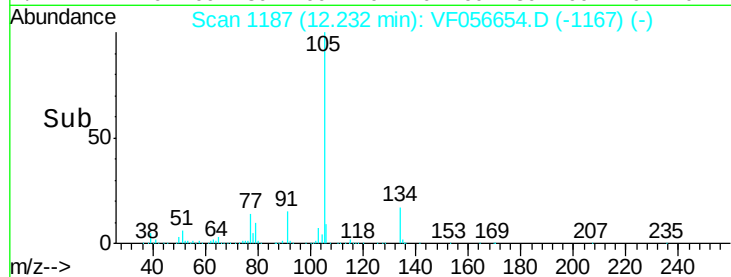
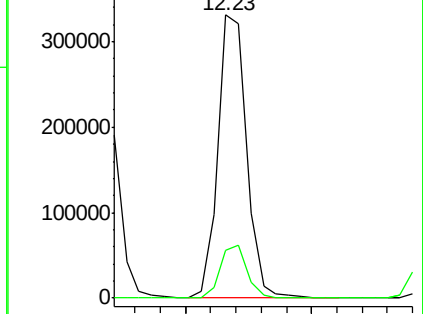
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.03 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

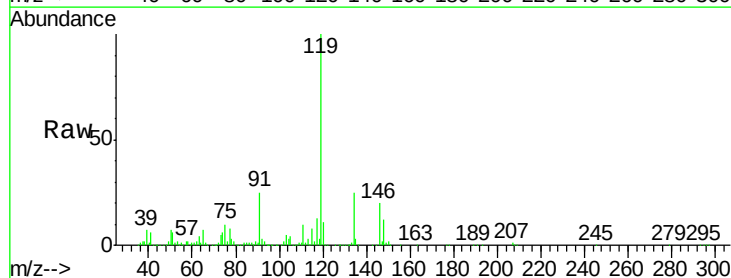
Tgt Ion:119 Resp: 422054

Ion Ratio Lower Upper

119 100

134 25.2 13.4 40.2

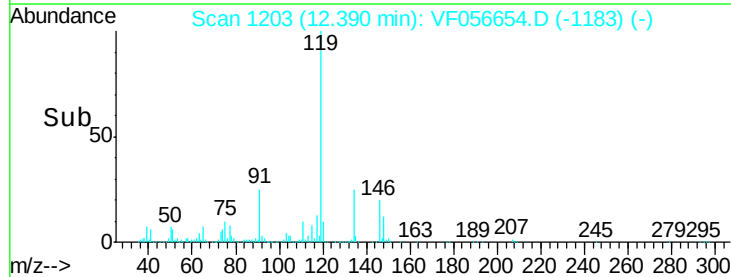
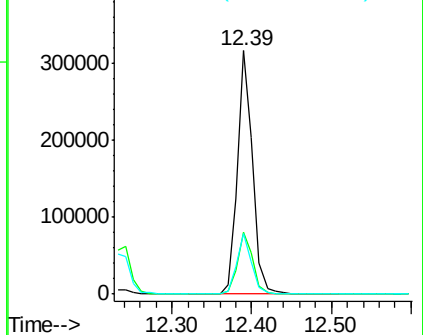
91 24.6 12.7 38.0

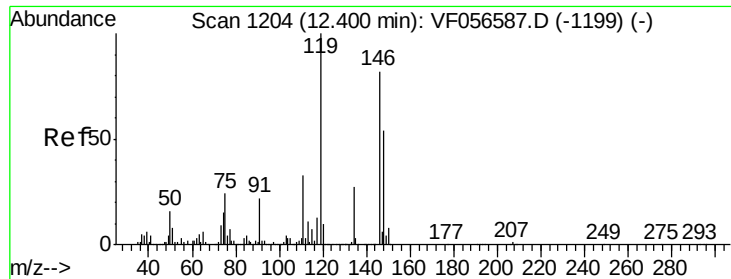


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





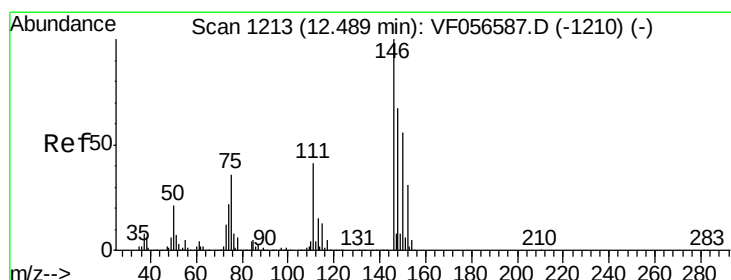
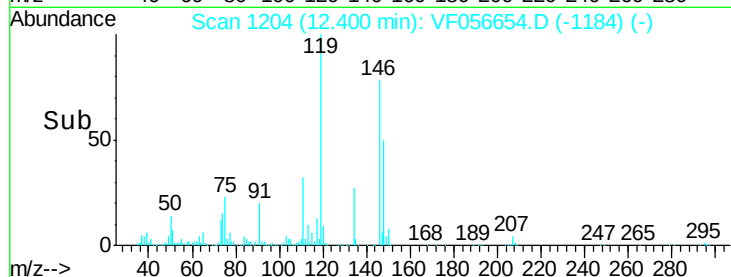
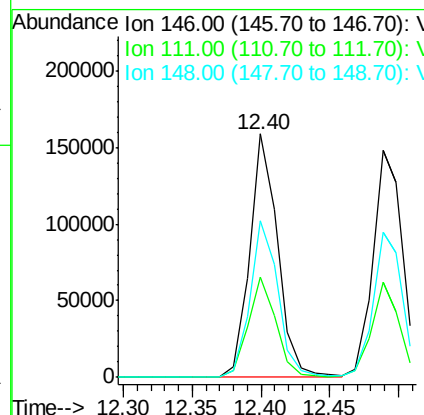
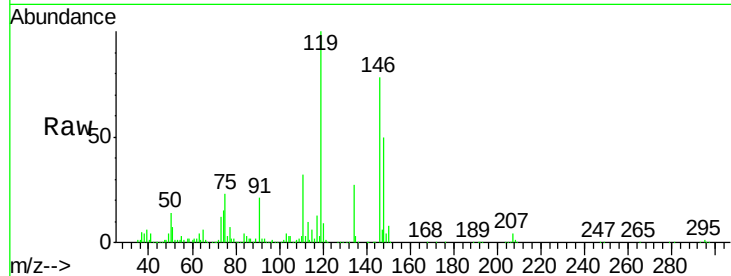
#87
 1,3-Dichlorobenzene
 Concen: 19.05 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	225743		
111	41.2	20.0	60.0	
148	64.2	32.6	97.7	

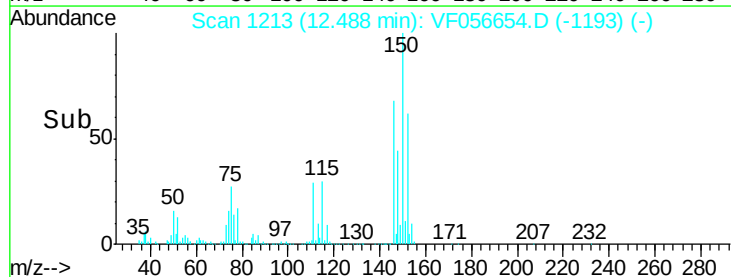
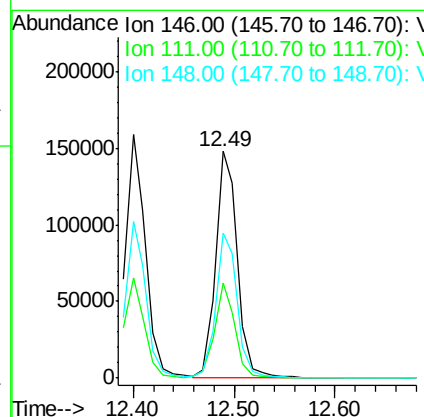
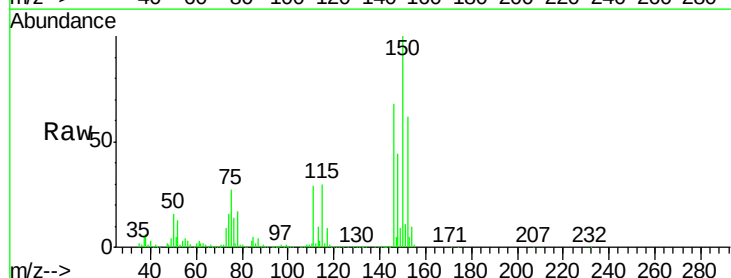
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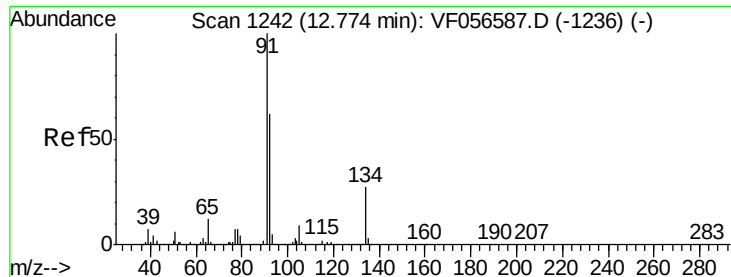
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#88
 1,4-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 12.49 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF056654.D
 Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	223759		
111	41.9	20.6	61.9	
148	64.1	33.4	100.2	





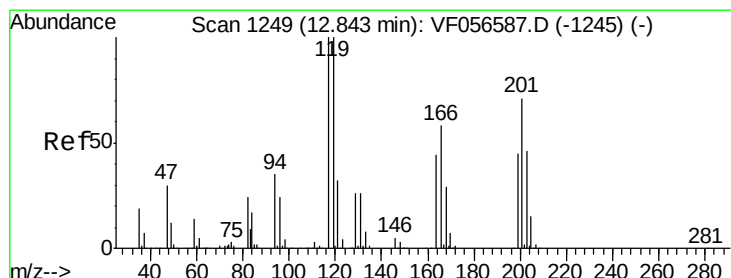
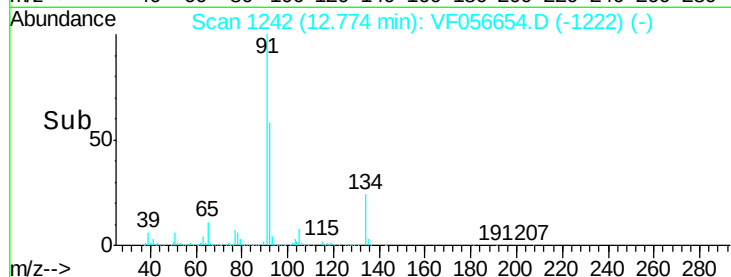
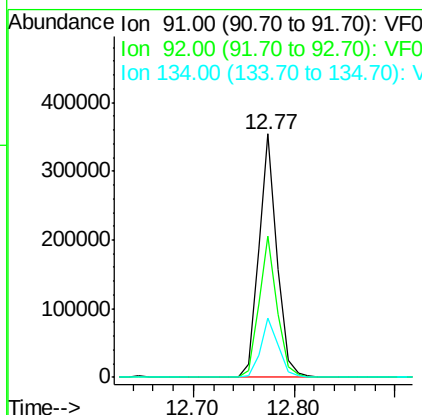
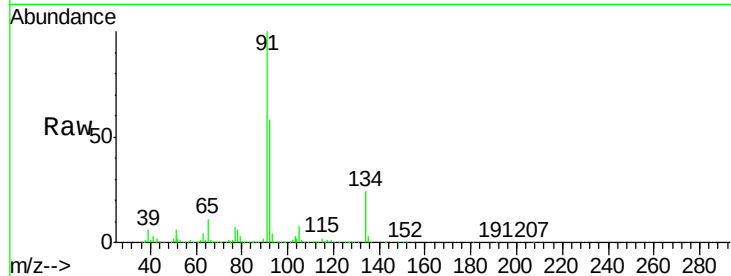
#89
n-Butylbenzene
Concen: 18.37 ug/l
RT: 12.77 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.9	30.9	92.7
134	24.4	13.7	41.0

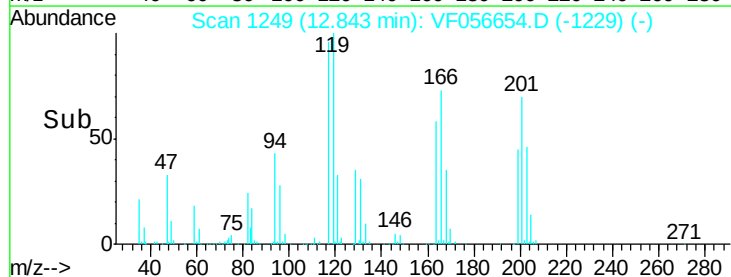
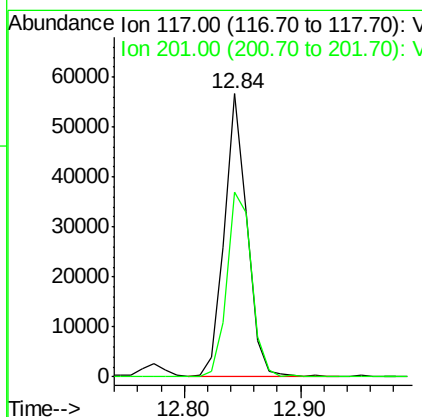
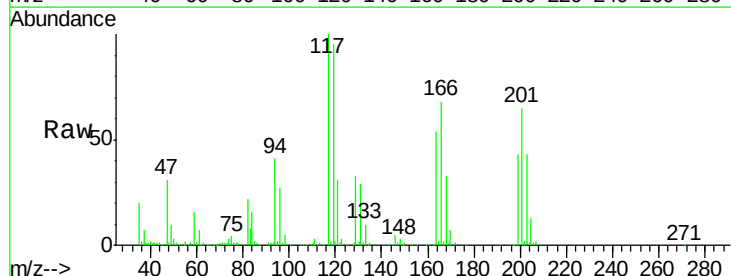
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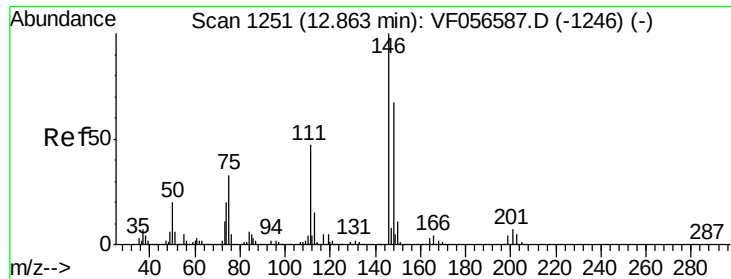
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#90
Hexachloroethane
Concen: 18.95 ug/l
RT: 12.84 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.8	35.4	106.2





#91

1,2-Dichlorobenzene

Concen: 19.32 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

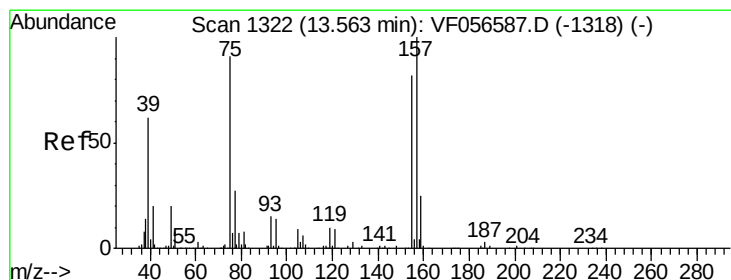
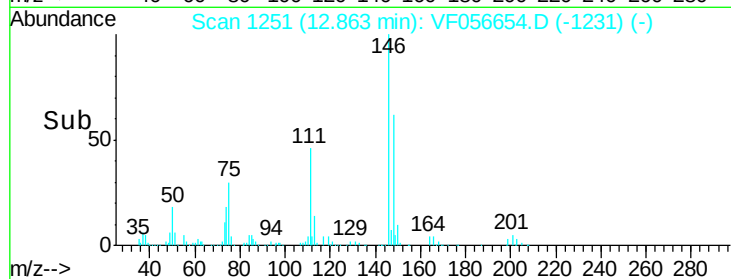
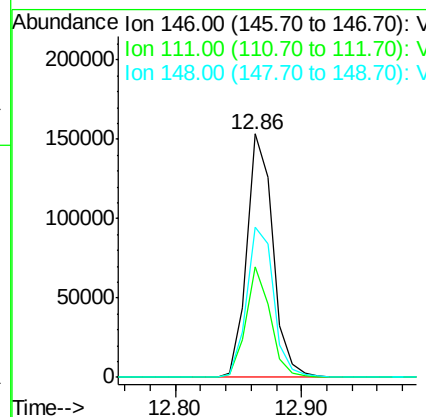
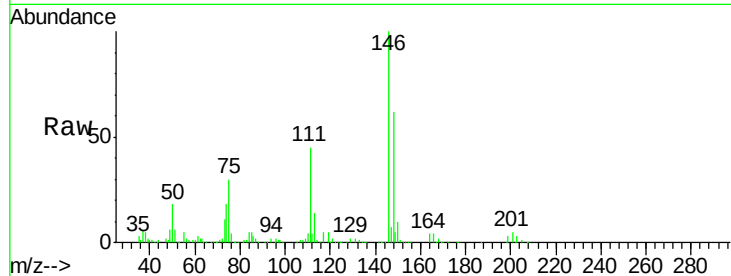
ClientSampleId :

VF0223SBS01

Tgt Ion:	146	Resp:	219660
Ion Ratio	Lower	Upper	
146	100		
111	45.5	23.4	70.3
148	61.8	33.6	100.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.11 ug/l

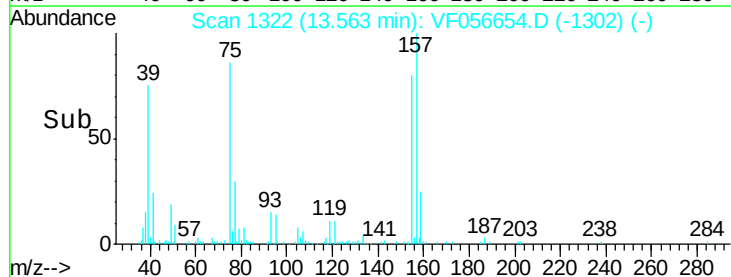
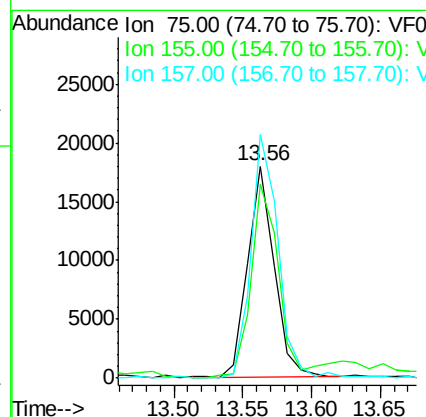
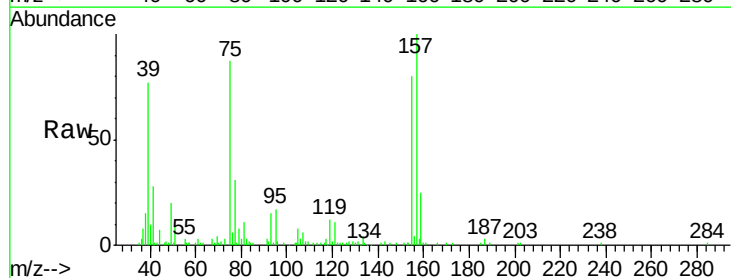
RT: 13.56 min Scan# 1322

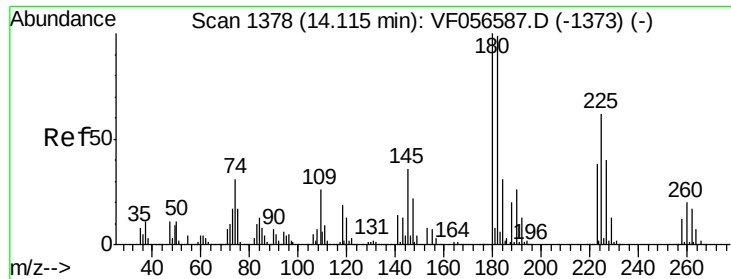
Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion:	75	Resp:	24244
Ion Ratio	Lower	Upper	
75	100		
155	91.8	45.1	135.3
157	115.1	54.9	164.8





#93

1,2,4-Trichlorobenzene

Concen: 19.82 ug/l

RT: 14.11 min Scan# 1378

Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Instrument :

MSVOA_F

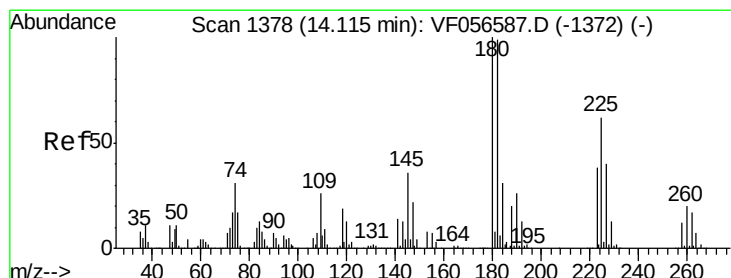
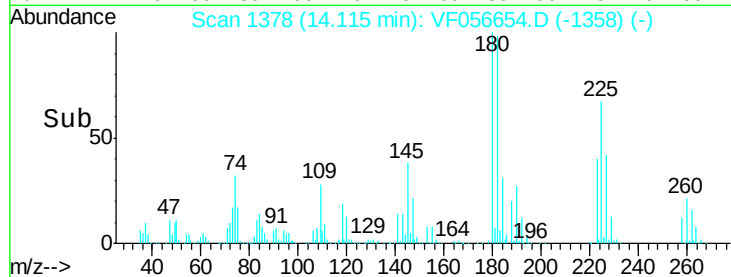
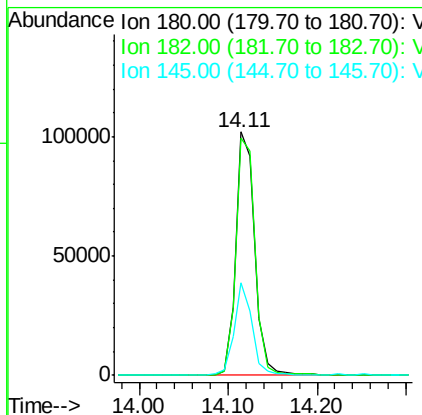
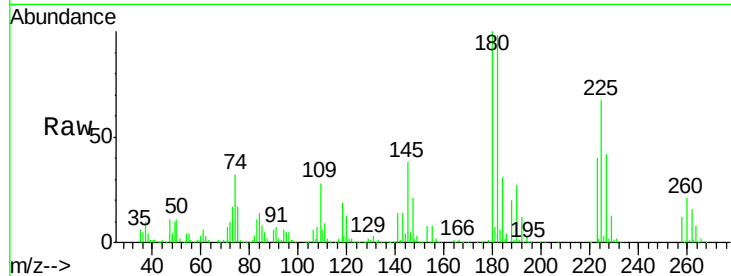
ClientSampleId :

VF0223SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	152999		
182	97.7	49.5	148.5	
145	37.8	17.8	53.5	

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#94

Hexachlorobutadiene

Concen: 19.85 ug/l

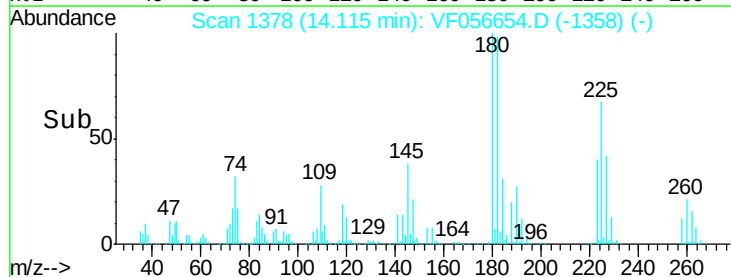
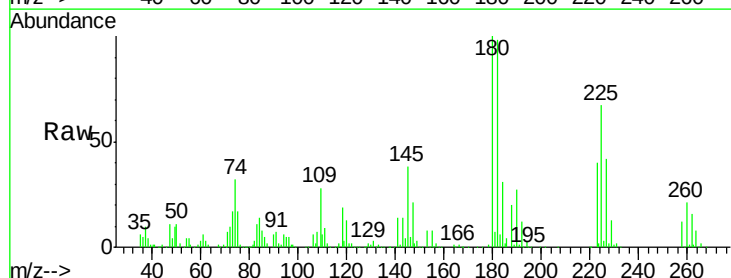
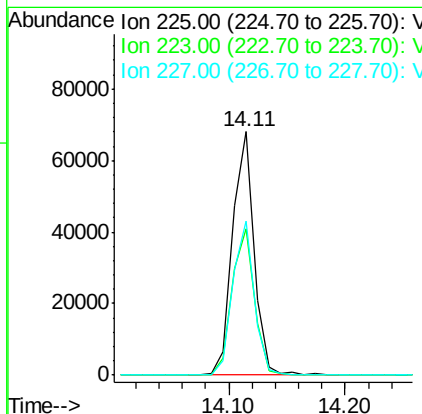
RT: 14.11 min Scan# 1378

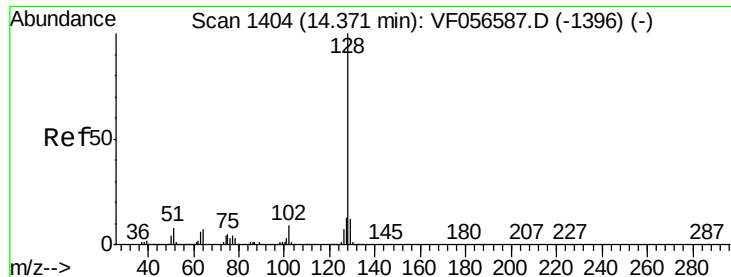
Delta R.T. -0.00 min

Lab File: VF056654.D

Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87388		
223	60.3	31.1	93.3	
227	63.1	32.1	96.3	





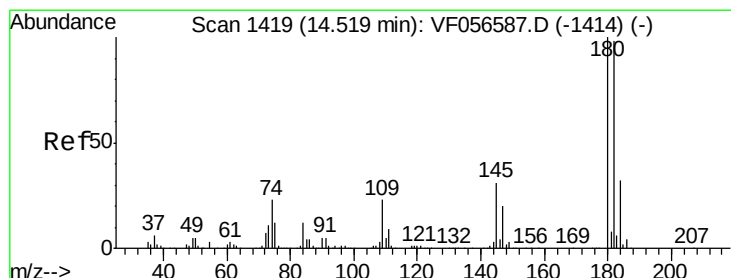
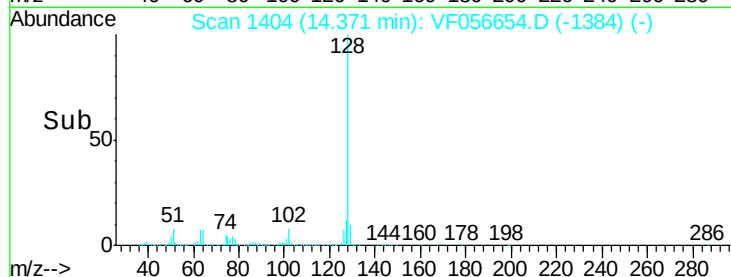
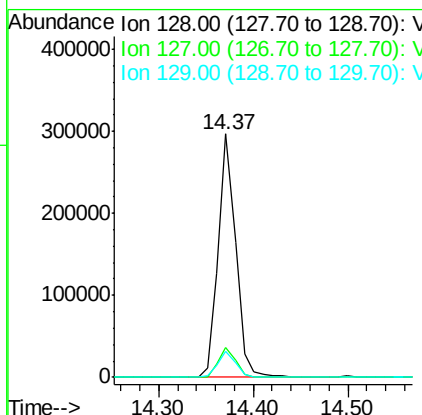
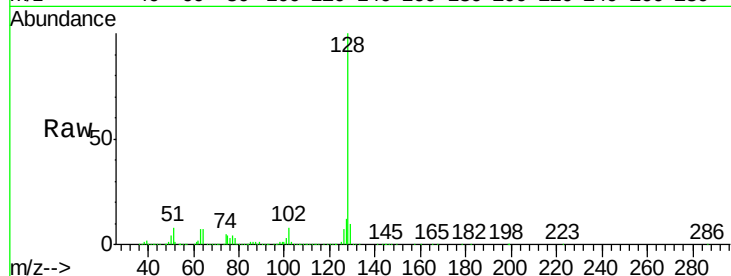
#95
Naphthalene
Concen: 19.73 ug/l
RT: 14.37 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	10.4	9.4	14.0

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.52 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF056654.D
Acq: 23 Feb 2018 14:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	49.0	147.2
145	31.3	15.4	46.1

