

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056655.D
 Acq On : 23 Feb 2018 14:43
 Operator : JC/SY
 Sample : VF0223SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Manual Integrations
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 2/26/2018 10:58:02 AM

Quant Time: Feb 24 01:02:08 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	444215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.52	114	683629	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.69	117	664026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	348044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.76	65	289069	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
35) Dibromofluoromethane	4.03	113	261908	50.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	7.48	98	745996	48.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.34	95	360855	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	91721	20.47	ug/l	95
3) Chloromethane	1.02	50	88899	17.79	ug/l	99
4) Vinyl Chloride	1.08	62	68758	19.37	ug/l	98
5) Bromomethane	1.25	94	37542	18.91	ug/l	99
6) Chloroethane	1.33	64	22276	15.17	ug/l #	88
7) Trichlorofluoromethane	1.39	101	70762m	19.12	ug/l	
8) Diethyl Ether	1.60	74	25797	19.43	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.78	101	66696	21.28	ug/l	95
10) Methyl Iodide	1.83	142	123793	21.19	ug/l	96
11) Tert butyl alcohol	2.51	59	43702	120.57	ug/l	94
12) 1,1-Dichloroethene	1.74	96	52525	18.19	ug/l	99
13) Acrolein	1.95	56	41823	107.79	ug/l	87
14) Allyl chloride	2.05	41	98323	19.81	ug/l	87
15) Acrylonitrile	2.87	53	97104	106.31	ug/l	95
16) Acetone	2.19	43	167147	105.76	ug/l	97
17) Carbon Disulfide	1.73	76	153054	20.33	ug/l #	90
18) Methyl Acetate	2.30	43	66793m	19.15	ug/l	
19) Methyl tert-butyl Ether	2.38	73	181026	21.20	ug/l	94
20) Methylene Chloride	2.13	84	74057	24.62	ug/l	86
21) trans-1,2-Dichloroethene	2.26	96	57238	18.82	ug/l	97
22) Diisopropyl ether	2.74	45	234371	21.07	ug/l	94
23) Vinyl Acetate	3.13	43	883022	97.55	ug/l	100
24) 1,1-Dichloroethane	2.81	63	130581	21.25	ug/l	99
25) 2-Butanone	4.25	43	268514	95.54	ug/l	98
26) 2,2-Dichloropropane	3.53	77	71144	20.92	ug/l	97
27) cis-1,2-Dichloroethene	3.40	96	97235	19.03	ug/l	95
28) Bromochloromethane	3.64	49	67816	18.30	ug/l #	99
29) Tetrahydrofuran	3.99	42	125768	96.65	ug/l	97
30) Chloroform	3.79	83	175826	19.99	ug/l	98
31) Cyclohexane	3.64	56	118988	18.03	ug/l	91
32) 1,1,1-Trichloroethane	4.01	97	114554	21.50	ug/l	98
36) 1,1-Dichloropropene	4.21	75	118126	18.35	ug/l	96
37) Ethyl Acetate	4.02	43	114776	19.94	ug/l	94
38) Carbon Tetrachloride	3.91	117	102955	21.49	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.39	83	134416	19.31	ug/l	92
40) Benzene	4.55	78	318341	19.50	ug/l	99
41) Methacrylonitrile	4.66	41	56263	20.14	ug/l	92
42) 1,2-Dichloroethane	4.86	62	133575	21.05	ug/l	99
43) Isopropyl Acetate	6.88	43	134791	19.10	ug/l	98
44) Trichloroethene	5.43	130	96055	20.05	ug/l	95
45) 1,2-Dichloropropane	6.15	63	93531	20.11	ug/l	98
46) Dibromomethane	6.00	93	70443	19.69	ug/l	94
47) Bromodichloromethane	6.30	83	134606	20.36	ug/l	92
48) Methyl methacrylate	6.64	41	86028	20.81	ug/l	96
49) 1,4-Dioxane	6.62	88	13827	324.41	ug/l #	81
51) 4-Methyl-2-Pentanone	8.18	43	499829	103.56	ug/l	100
52) Toluene	7.55	92	214165	19.70	ug/l	91
53) t-1,3-Dichloropropene	8.19	75	134512	20.20	ug/l	100
54) cis-1,3-Dichloropropene	7.23	75	156108	20.14	ug/l	99
55) 1,1,2-Trichloroethane	8.41	97	90254	20.96	ug/l	96
56) Ethyl methacrylate	8.55	69	113090	20.11	ug/l	96
57) 1,3-Dichloropropane	8.76	76	151880	20.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.54	63	32469	42.46	ug/l	100
59) 2-Hexanone	9.40	43	409577	104.55	ug/l	99
60) Dibromochloromethane	8.63	129	107376	20.56	ug/l	94
61) 1,2-Dibromoethane	8.90	107	102881	20.63	ug/l	94
64) Tetrachloroethene	8.07	164	89008	18.62	ug/l	99
65) Chlorobenzene	9.71	112	257729	19.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.84	131	86339	19.25	ug/l	96
67) Ethyl Benzene	9.82	91	441533	19.90	ug/l	99
68) m/p-Xylenes	10.05	106	308968	38.07	ug/l	90
69) o-Xylene	10.64	106	170352	20.22	ug/l	97
70) Styrene	10.72	104	277114	20.76	ug/l	96
71) Bromoform	10.69	173	69867	19.46	ug/l	98
73) Isopropylbenzene	11.05	105	460973	20.11	ug/l	95
74) N-amyl acetate	11.31	43	192402	18.76	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.62	83	137788	19.87	ug/l	97
76) 1,2,3-Trichloropropane	11.72	75	108722	20.43	ug/l	98
77) Bromobenzene	11.43	156	120950	19.45	ug/l	97
78) n-propylbenzene	11.52	91	570116	20.19	ug/l	98
79) 2-Chlorotoluene	11.65	91	329960	19.84	ug/l	98
80) 1,3,5-Trimethylbenzene	11.76	105	380372	20.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.80	75	56041	19.22	ug/l	91
82) 4-Chlorotoluene	11.83	91	360091	19.90	ug/l	98
83) tert-Butylbenzene	12.07	119	372606	20.26	ug/l	99
84) 1,2,4-Trimethylbenzene	12.14	105	395165	19.95	ug/l	95
85) sec-Butylbenzene	12.23	105	499224	19.71	ug/l	96
86) p-Isopropyltoluene	12.39	119	407836	20.06	ug/l	98
87) 1,3-Dichlorobenzene	12.40	146	223634	19.55	ug/l	99
88) 1,4-Dichlorobenzene	12.49	146	217288	19.79	ug/l	99
89) n-Butylbenzene	12.78	91	433533	18.55	ug/l	96
90) Hexachloroethane	12.84	117	74621	19.09	ug/l	91
91) 1,2-Dichlorobenzene	12.86	146	216711	19.75	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.56	75	23631	18.29	ug/l	93

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ClientSampleId :
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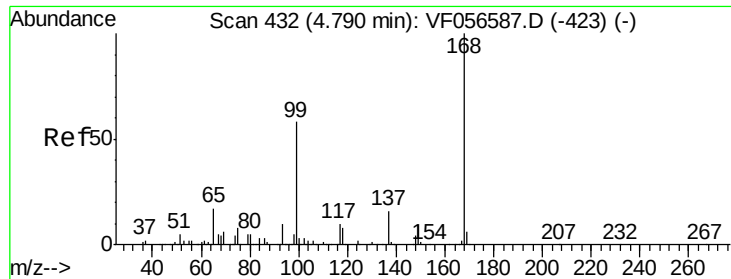
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.12	180	150806	20.25	ug/l	98
94) Hexachlorobutadiene	14.12	225	80805	19.02	ug/l	94
95) Naphthalene	14.37	128	368982	19.69	ug/l	98
96) 1,2,3-Trichlorobenzene	14.52	180	139487	19.38	ug/l	99

(#) = 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: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 168 Resp: 444215

Ion Ratio Lower Upper

168 100

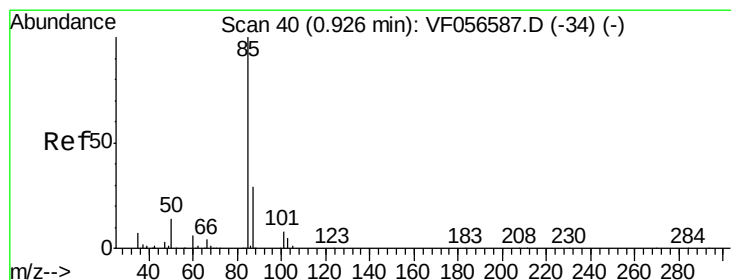
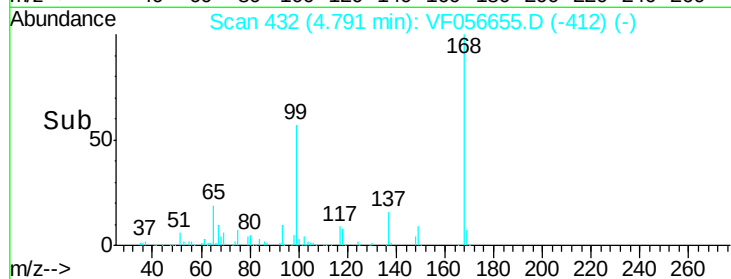
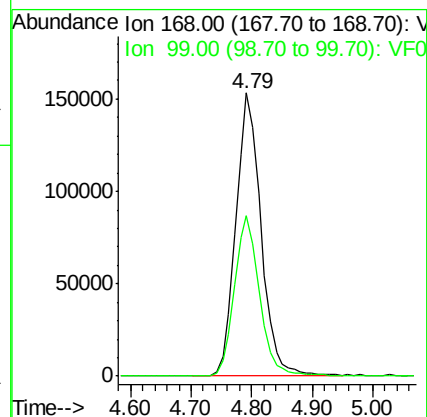
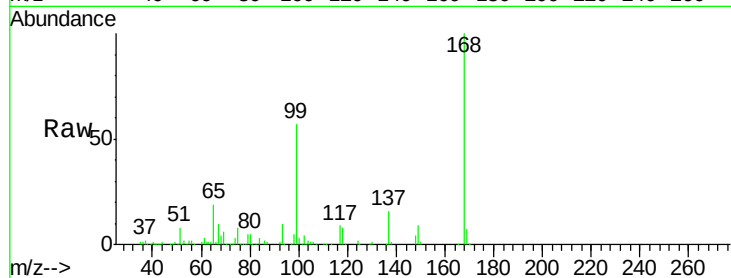
99 56.8 46.2 69.2

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#2

Dichlorodifluoromethane

Concen: 20.47 ug/l

RT: 0.93 min Scan# 40

Delta R.T. 0.00 min

Lab File: VF056655.D

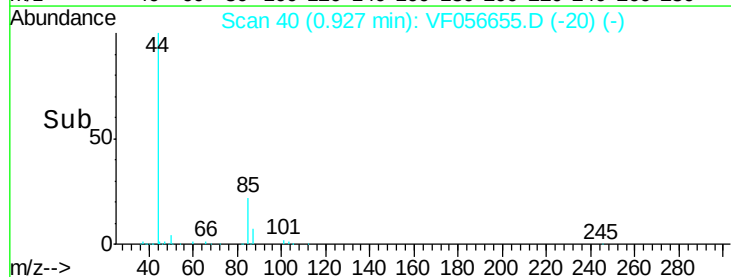
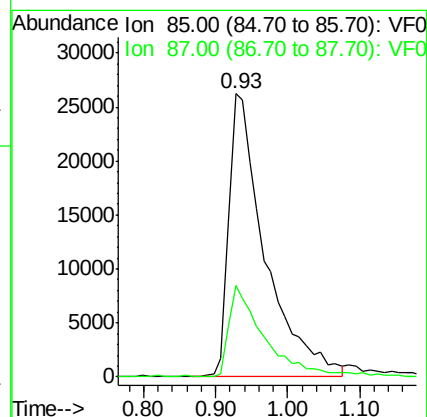
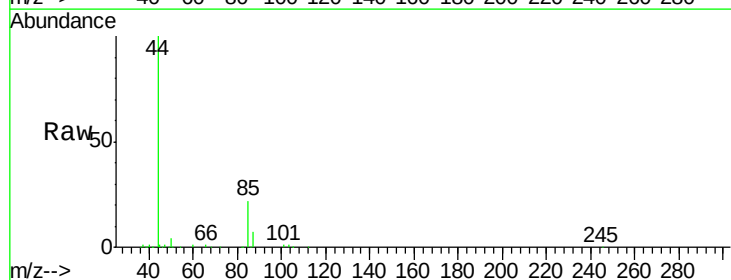
Acq: 23 Feb 2018 14:43

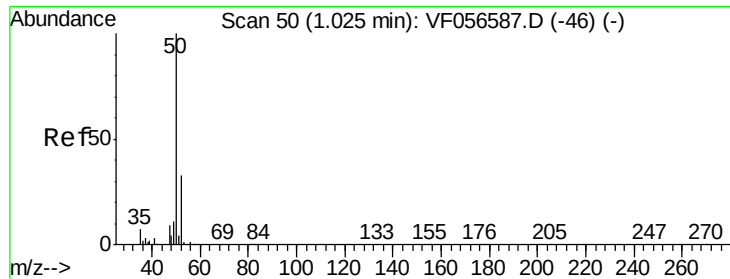
Tgt Ion: 85 Resp: 91721

Ion Ratio Lower Upper

85 100

87 32.1 14.7 44.1





#3

Chloromethane

Concen: 17.79 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 50 Resp: 88899

Ion Ratio Lower Upper

50 100

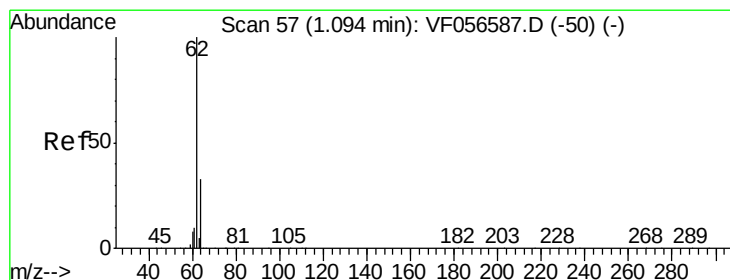
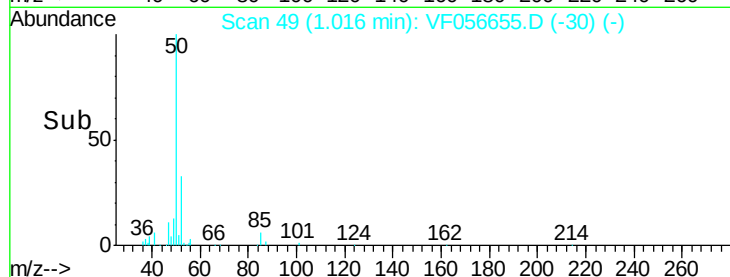
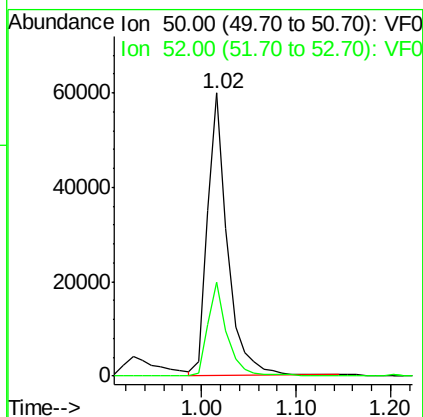
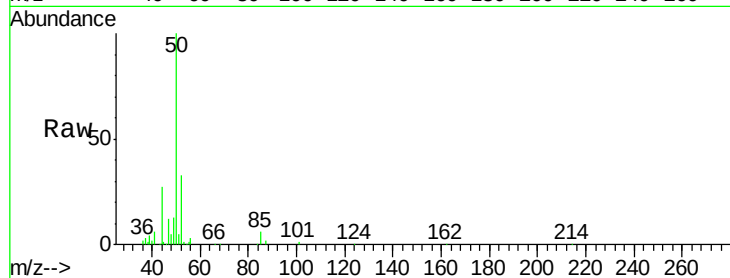
52 33.1 25.8 38.8

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#4

Vinyl Chloride

Concen: 19.37 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.02 min

Lab File: VF056655.D

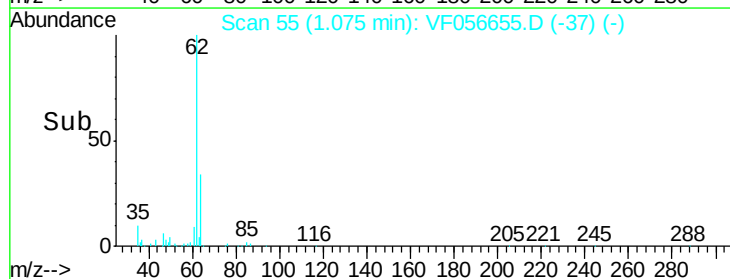
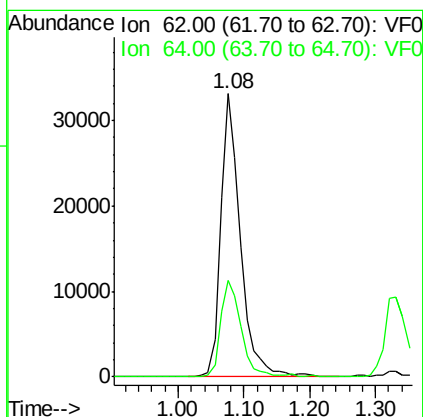
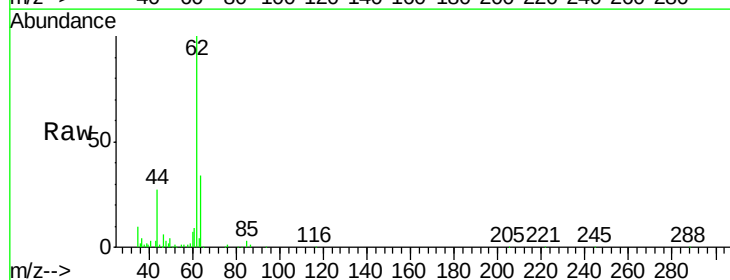
Acq: 23 Feb 2018 14:43

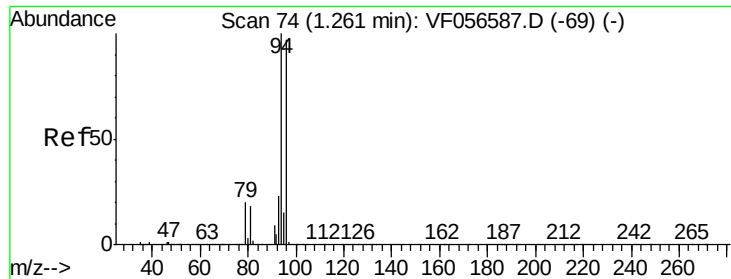
Tgt Ion: 62 Resp: 68758

Ion Ratio Lower Upper

62 100

64 34.1 26.4 39.6





#5

Bromomethane

Concen: 18.91 ug/l

RT: 1.25 min Scan# 73

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 94 Resp: 37542

Ion Ratio Lower Upper

94 100

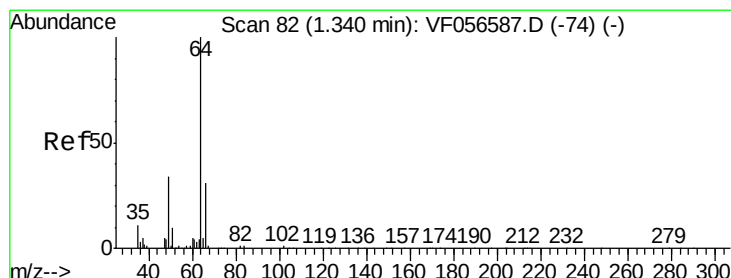
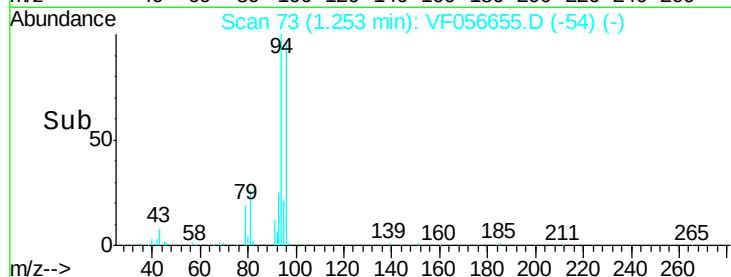
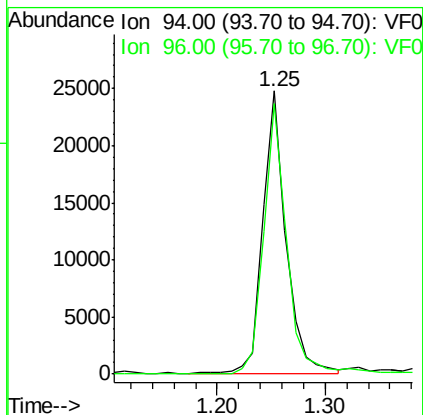
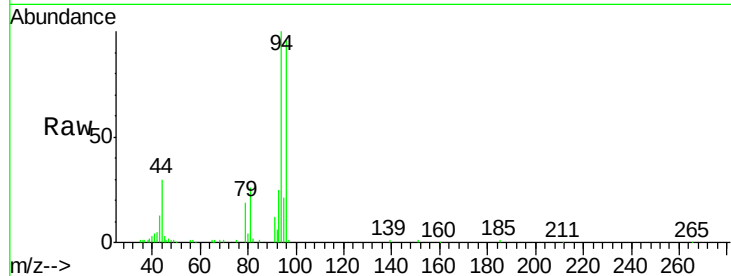
96 95.7 77.4 116.0

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#6

Chloroethane

Concen: 15.17 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF056655.D

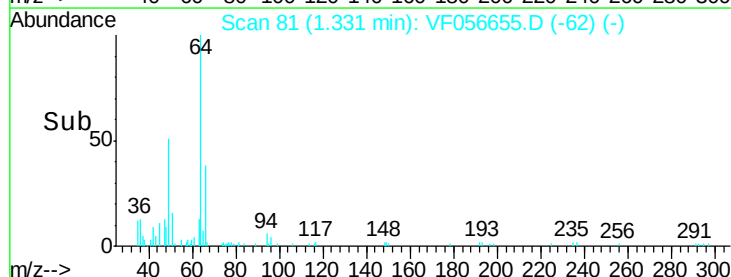
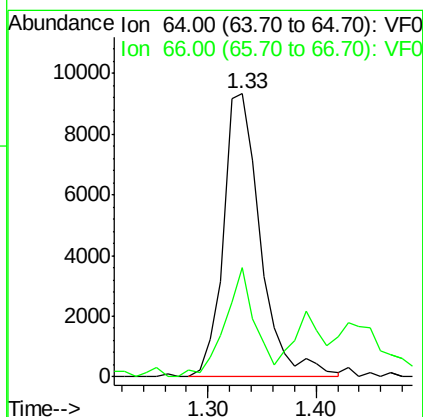
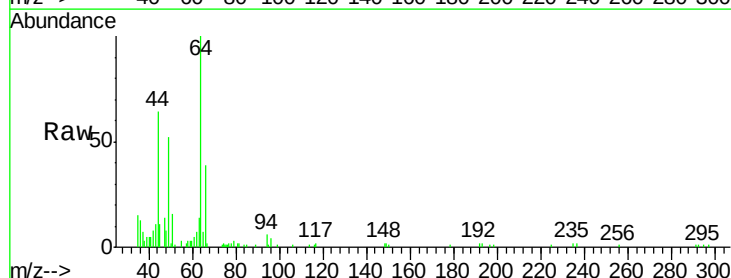
Acq: 23 Feb 2018 14:43

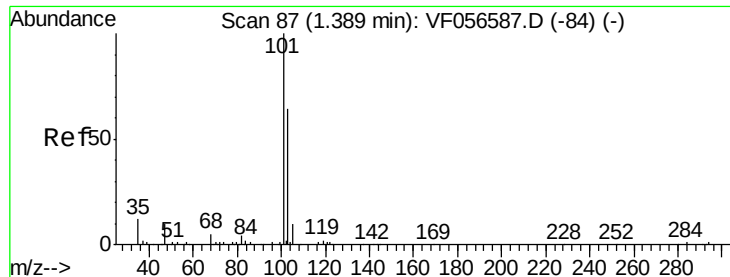
Tgt Ion: 64 Resp: 22276

Ion Ratio Lower Upper

64 100

66 38.6 25.4 38.2#





#7

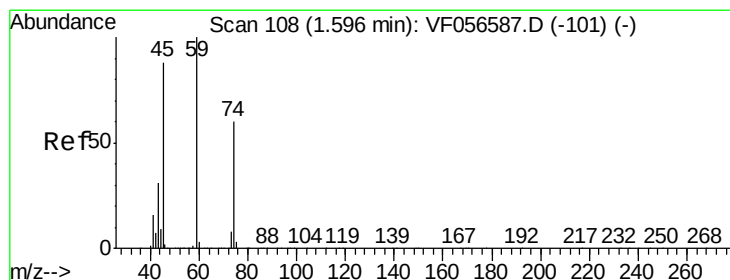
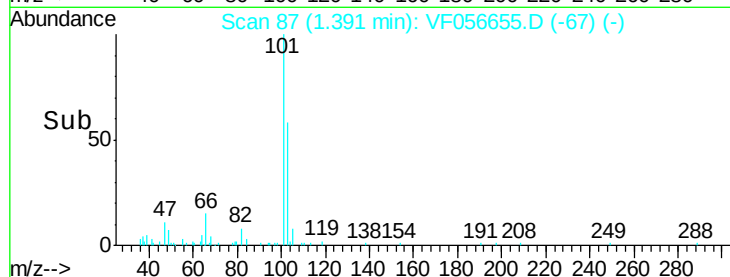
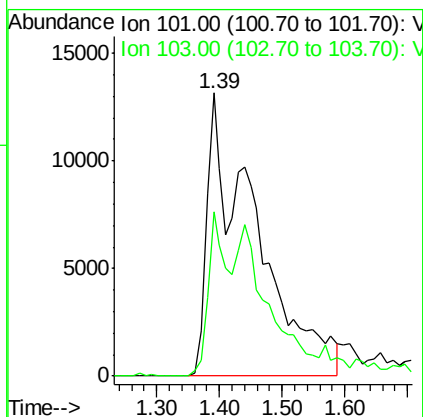
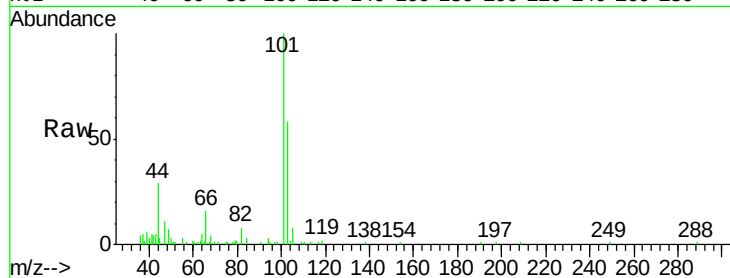
Trichlorofluoromethane
Concen: 19.12 ug/l m
RT: 1.39 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion: 101 Resp: 70762
Ion Ratio Lower Upper
101 100
103 58.2 51.4 77.0

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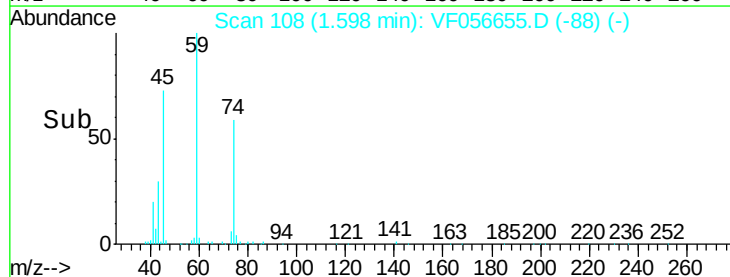
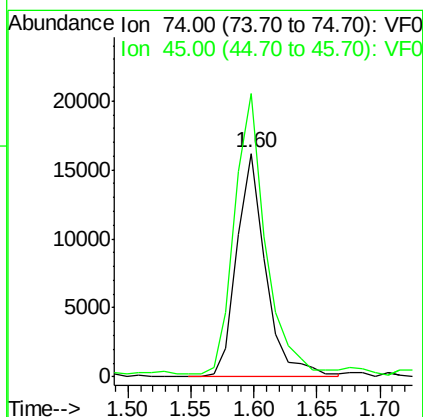
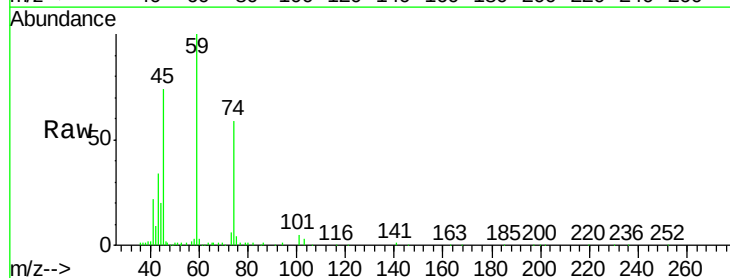
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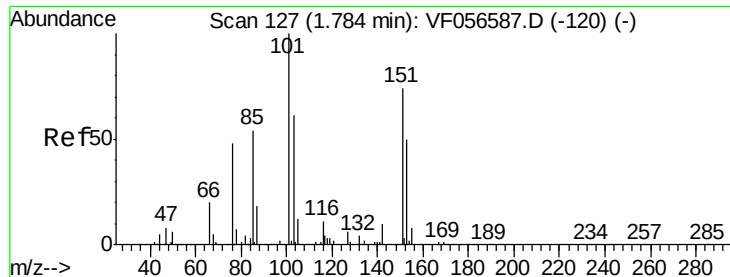


#8

Diethyl Ether
Concen: 19.43 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 74 Resp: 25797
Ion Ratio Lower Upper
74 100
45 126.6 73.5 220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.28 ug/l

RT: 1.78 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

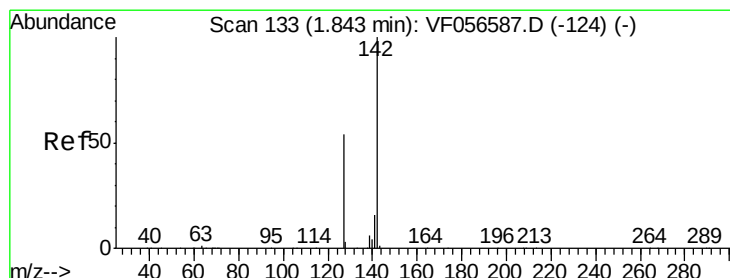
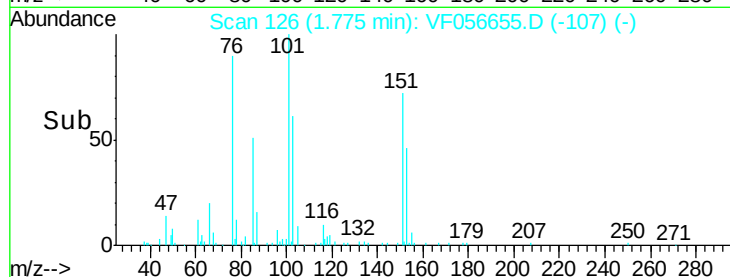
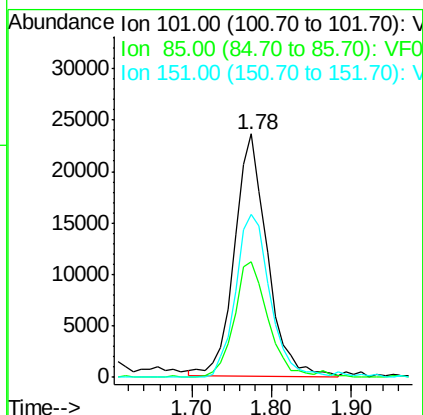
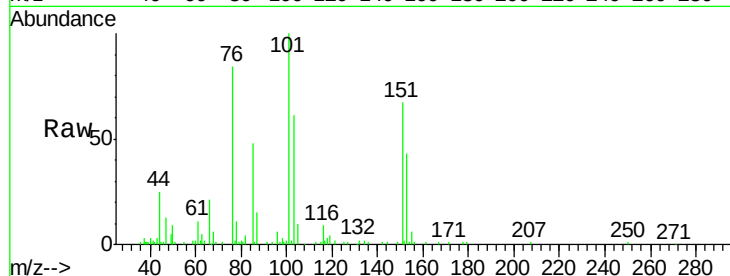
ClientSampleId :

VF0223SBSD01

Tgt Ion:	101	Resp:	66696
Ion Ratio	Lower	Upper	
101	100		
85	47.7	41.7	62.5
151	67.1	56.6	85.0

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#10

Methyl Iodide

Concen: 21.19 ug/l

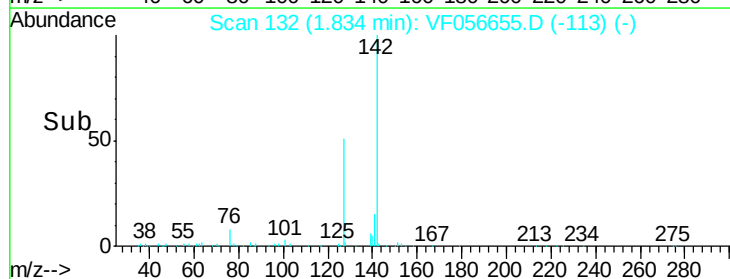
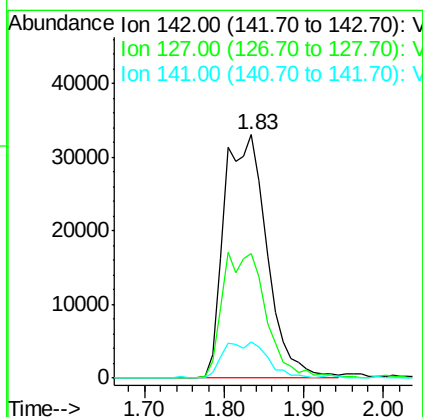
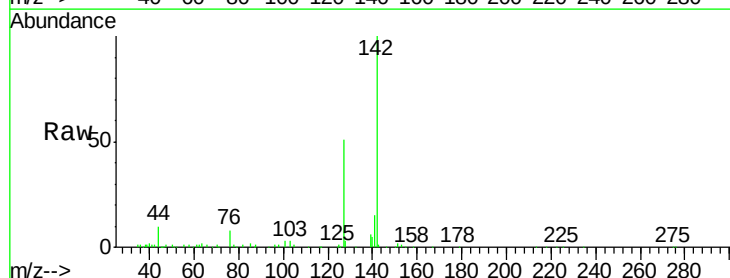
RT: 1.83 min Scan# 132

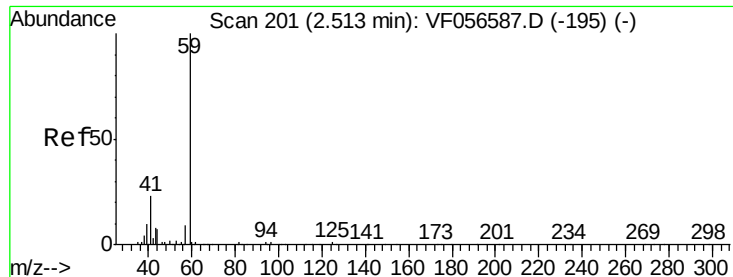
Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	142	Resp:	123793
Ion Ratio	Lower	Upper	
142	100		
127	51.0	43.4	65.0
141	14.9	13.0	19.4





#11

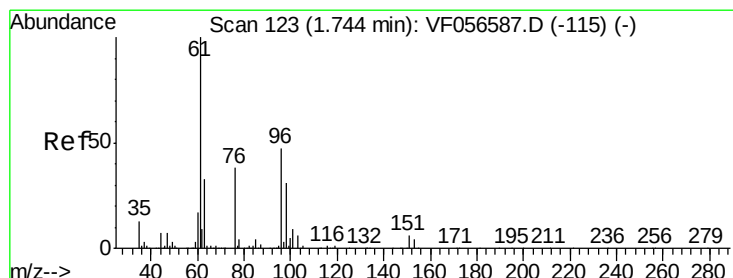
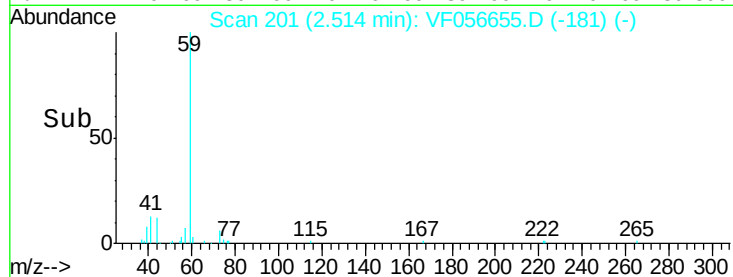
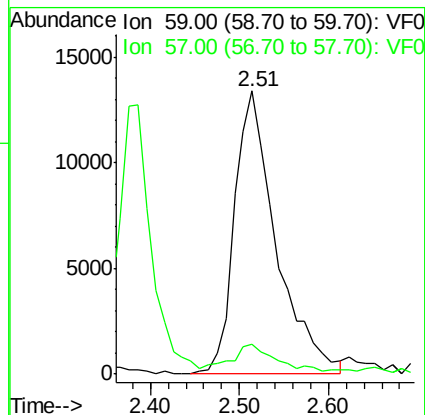
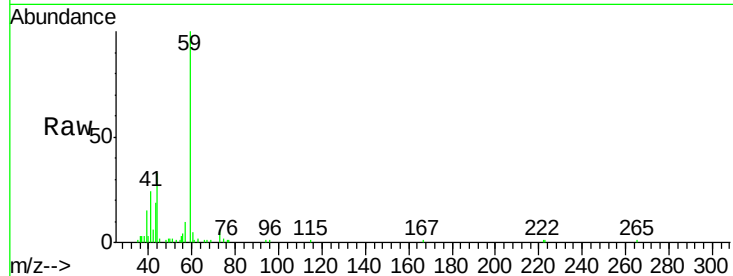
Tert butyl alcohol
 Concen: 120.57 ug/l
 RT: 2.51 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion: 59 Resp: 43702
 Ion Ratio Lower Upper
 59 100
 57 10.5 10.3 15.5

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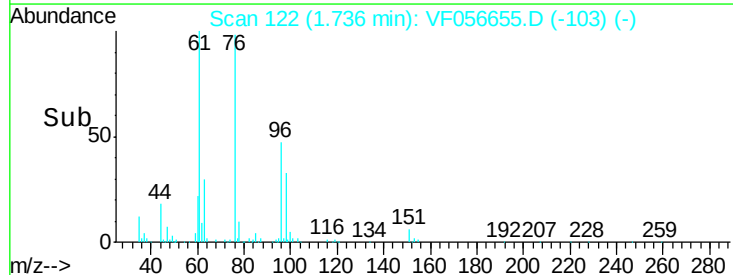
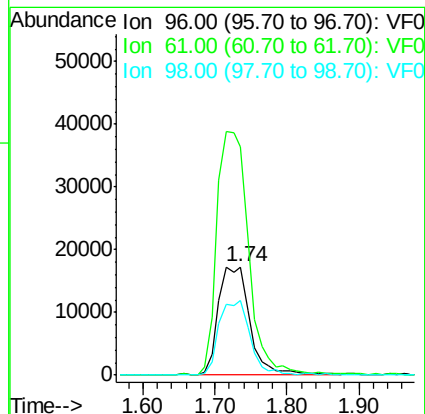
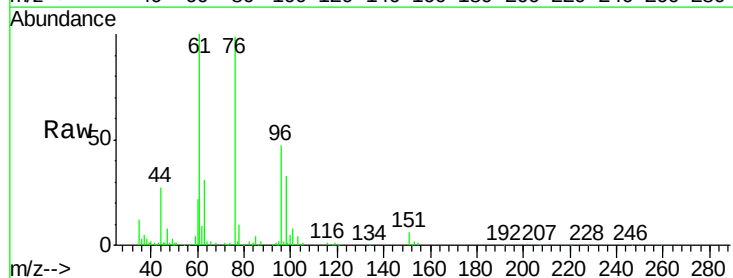
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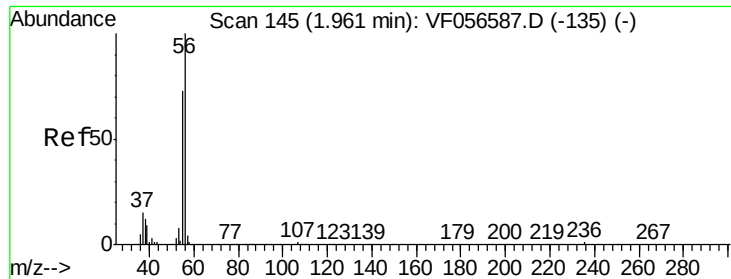


#12

1,1-Dichloroethene
 Concen: 18.19 ug/l
 RT: 1.74 min Scan# 122
 Delta R.T. -0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion: 96 Resp: 52525
 Ion Ratio Lower Upper
 96 100
 61 210.8 168.8 253.2
 98 68.9 52.2 78.4





#13

Acrolein

Concen: 107.79 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

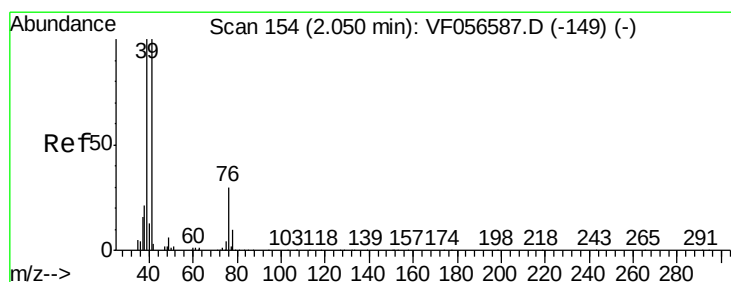
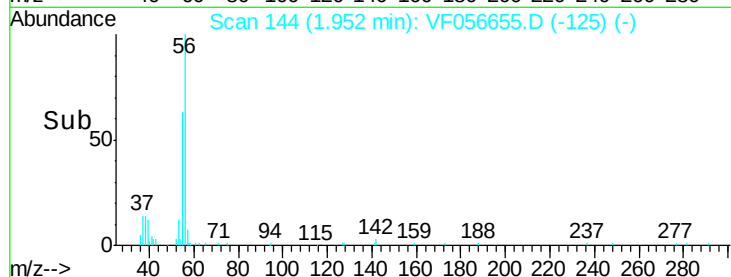
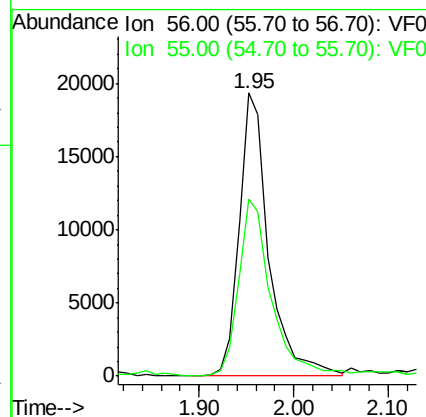
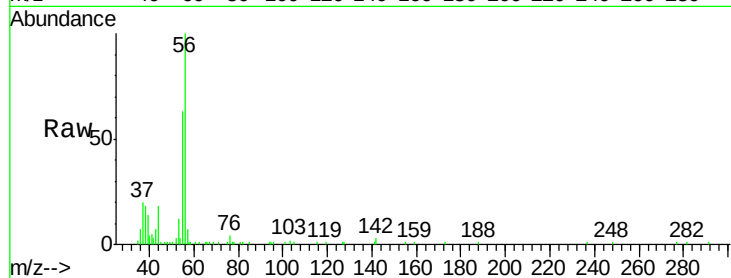
ClientSampleId :

VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	62.6	58.6	88.0

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#14

Allyl chloride

Concen: 19.81 ug/l

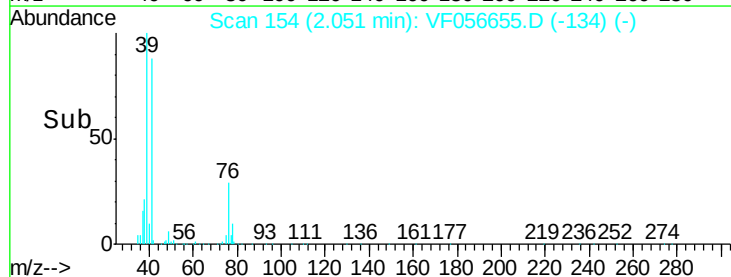
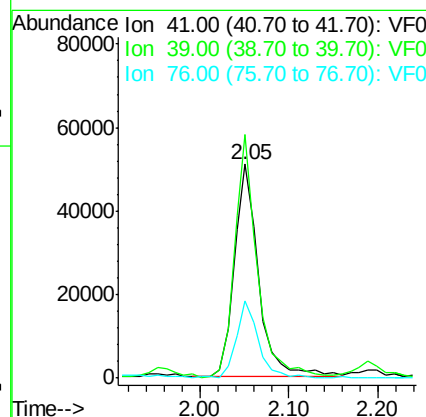
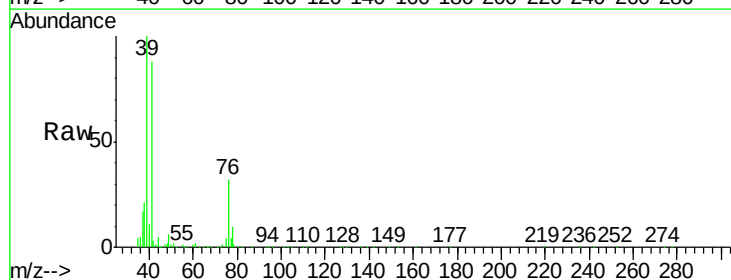
RT: 2.05 min Scan# 154

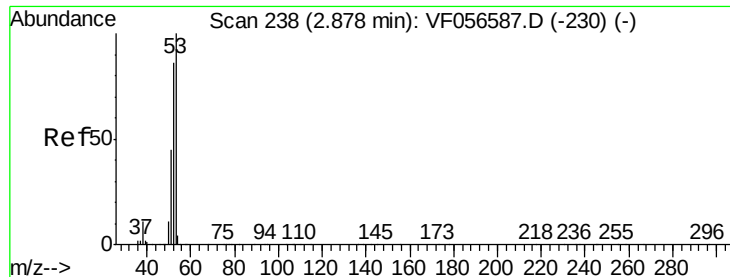
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
41	100		
39	114.0	79.8	119.6
76	36.1	25.4	38.2





#15

Acrylonitrile

Concen: 106.31 ug/l

RT: 2.87 min Scan# 237

Delta R.T. -0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

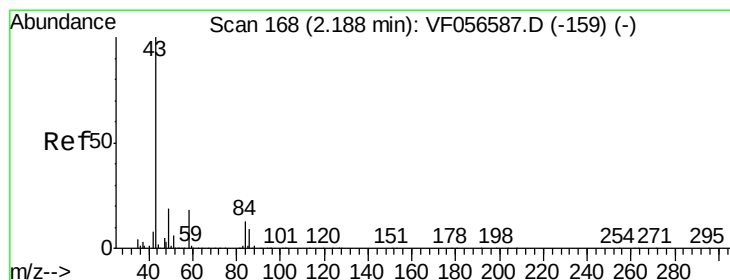
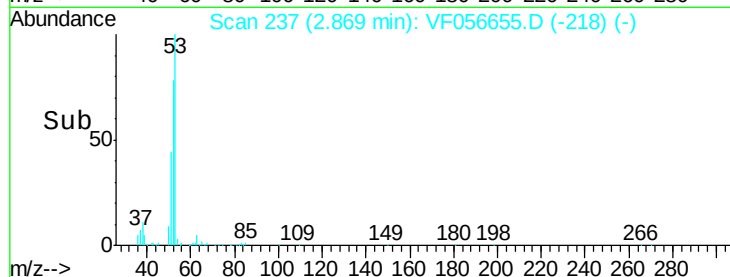
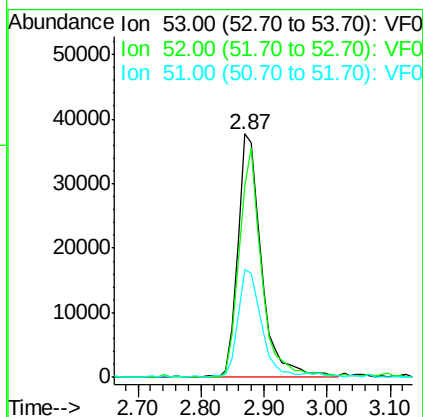
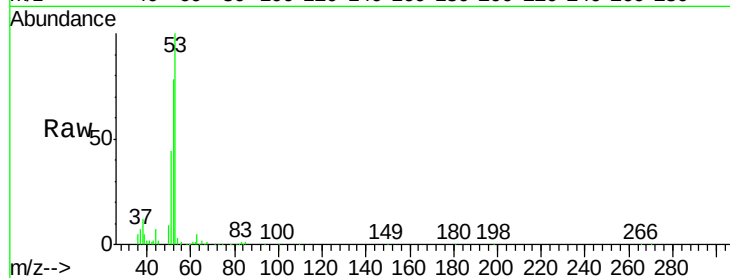
ClientSampleId :

VF0223SBS01

Tgt Ion:	53	Resp:	97104
Ion Ratio	Lower	Upper	
53	100		
52	78.3	68.4	102.6
51	44.3	35.8	53.6

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#16

Acetone

Concen: 105.76 ug/l

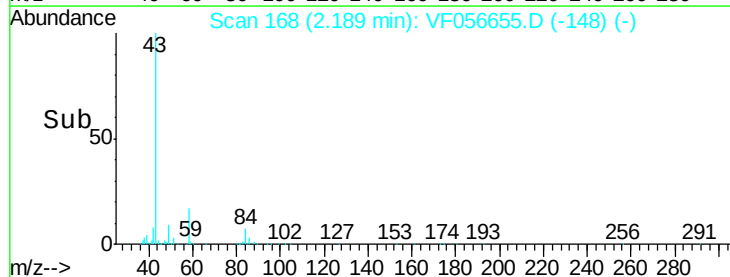
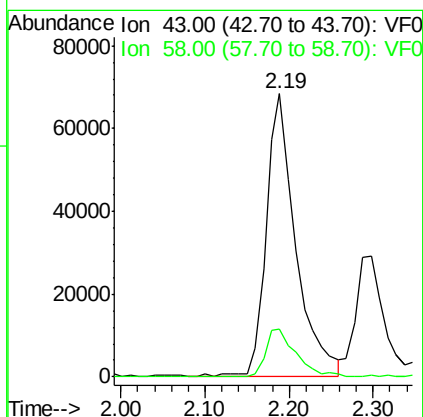
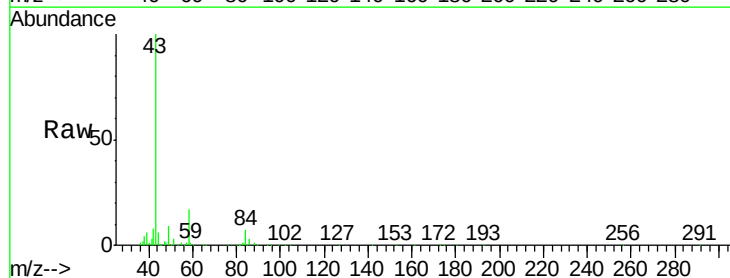
RT: 2.19 min Scan# 168

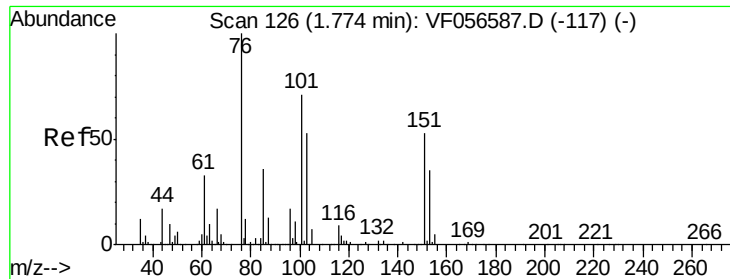
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	43	Resp:	167147
Ion Ratio	Lower	Upper	
43	100		
58	17.0	14.7	22.1





#17

Carbon Disulfide

Concen: 20.33 ug/l

RT: 1.73 min Scan# 121

Delta R.T. -0.05 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

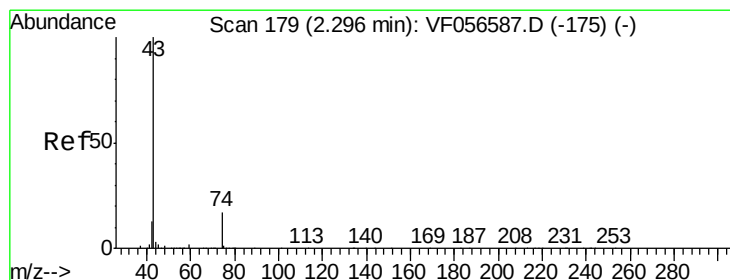
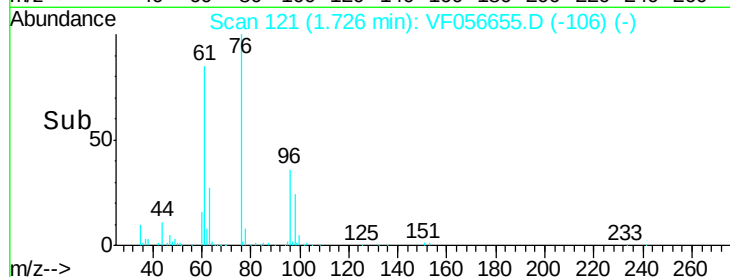
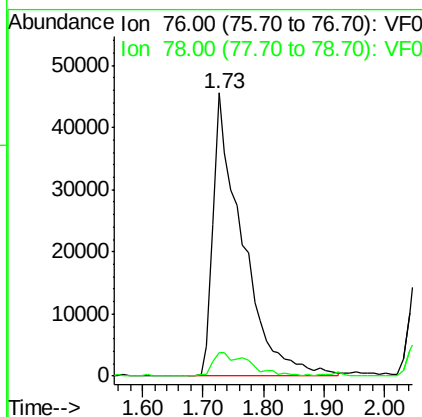
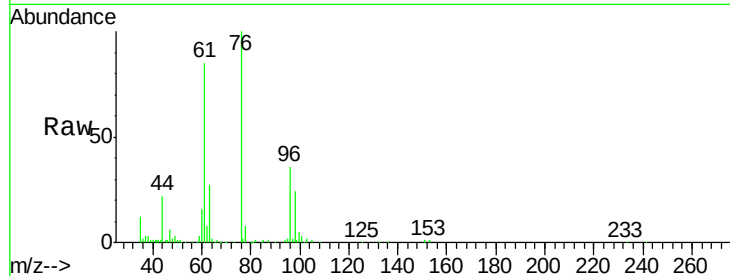
ClientSampleId :

VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.2	9.5	14.3#

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#18

Methyl Acetate

Concen: 19.15 ug/l m

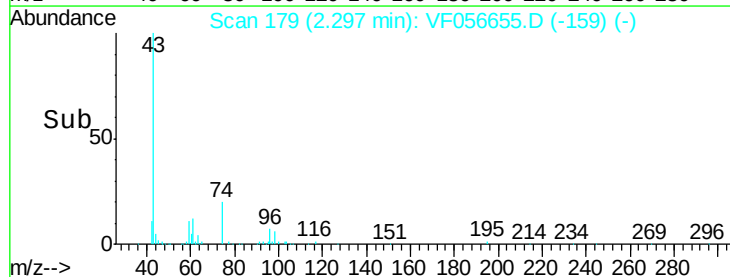
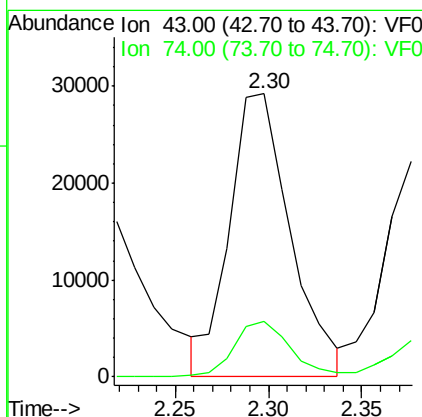
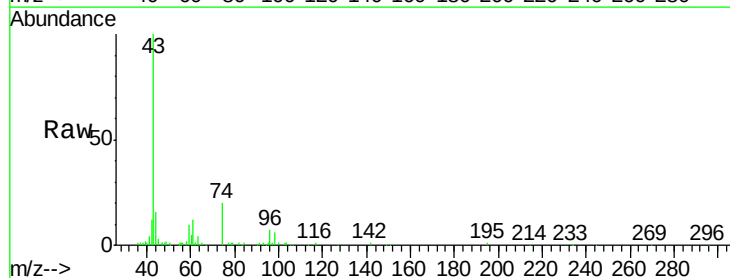
RT: 2.30 min Scan# 179

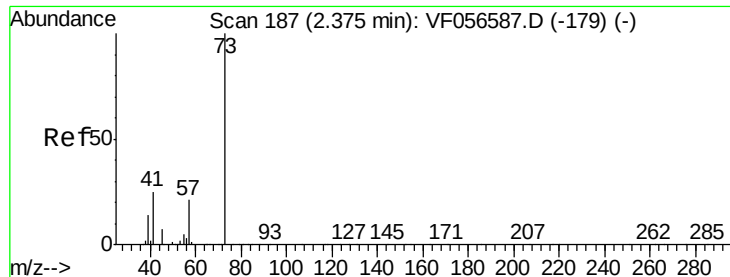
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	12.0	18.0#





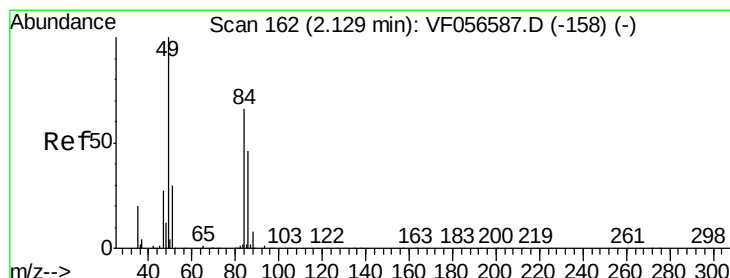
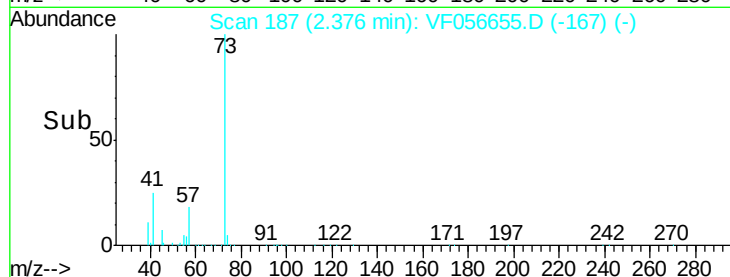
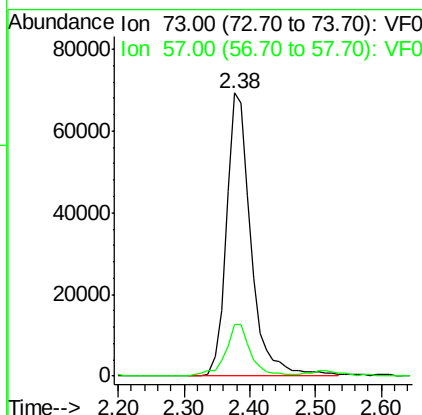
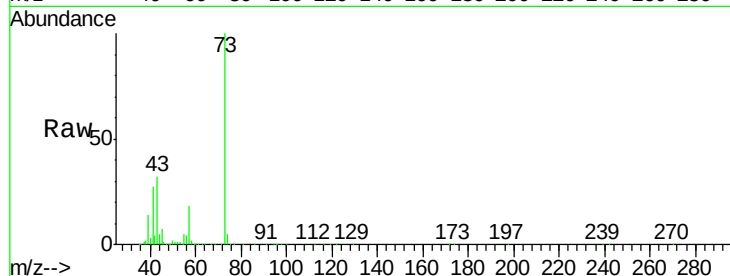
#19
Methyl tert-butyl Ether
Concen: 21.20 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion: 73 Resp: 181026
Ion Ratio Lower Upper
73 100
57 18.3 16.7 25.1

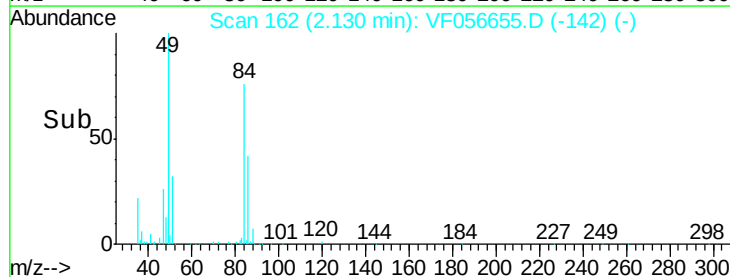
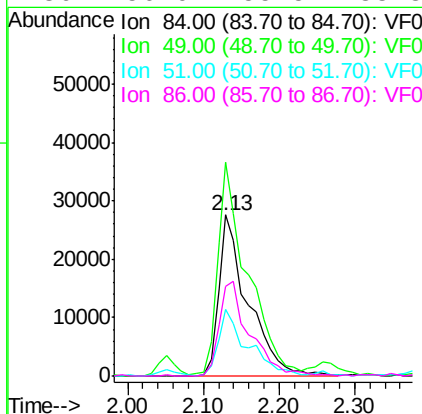
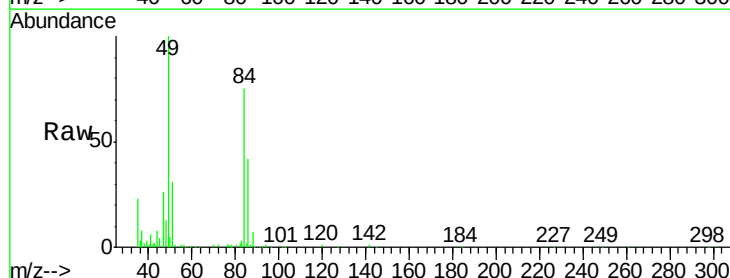
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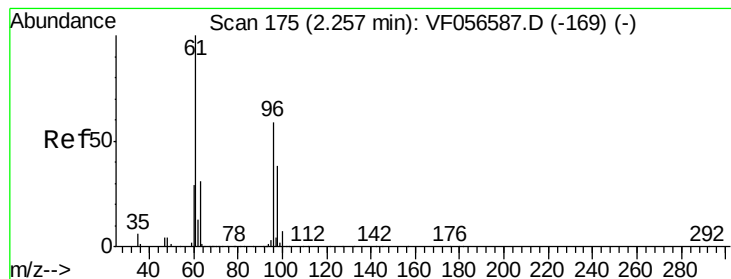
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#20
Methylene Chloride
Concen: 24.62 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 84 Resp: 74057
Ion Ratio Lower Upper
84 100
49 132.8 121.4 182.0
51 41.8 37.1 55.7
86 56.0 55.5 83.3





#21

trans-1,2-Dichloroethene

Concen: 18.82 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

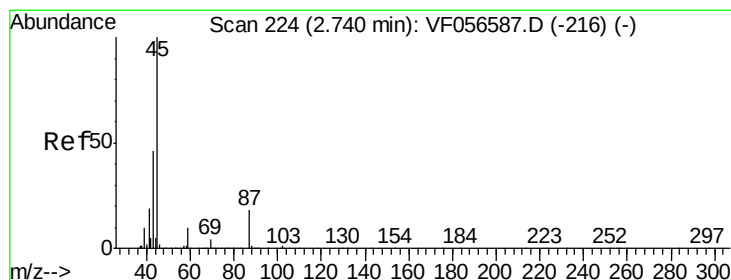
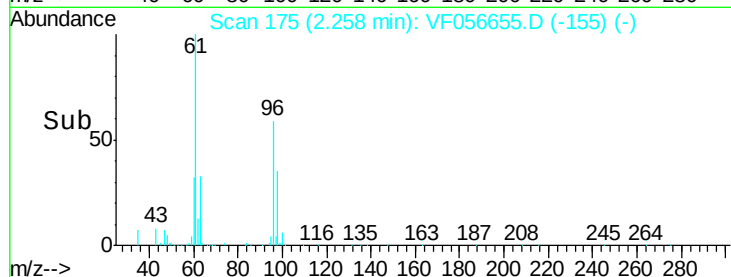
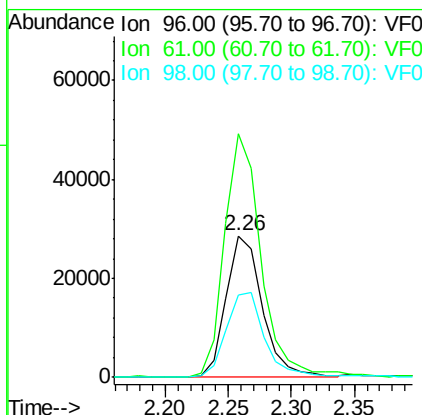
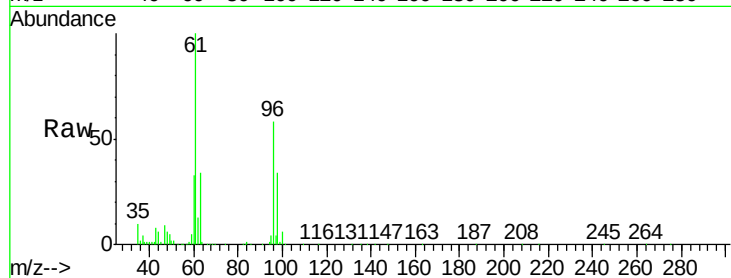
ClientSampleId :

VF0223SBS01

Tgt Ion:	96	Resp:	57238
Ion Ratio	Lower	Upper	
96	100		
61	172.2	136.4	204.6
98	58.5	51.4	77.0

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#22

Diisopropyl ether

Concen: 21.07 ug/l

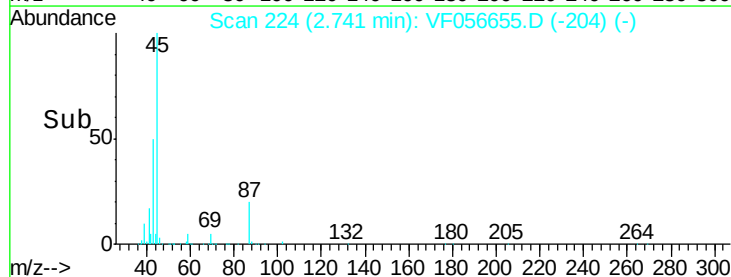
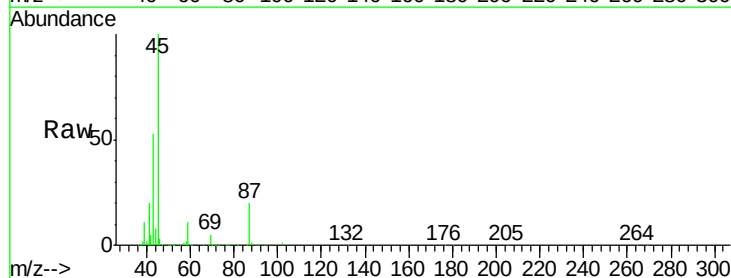
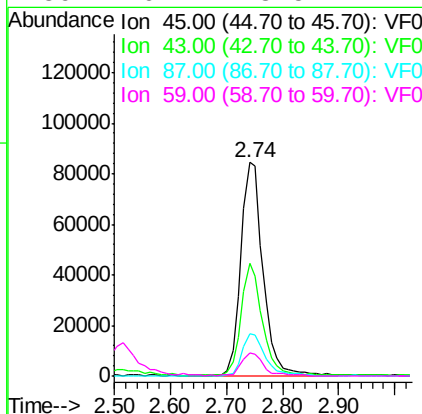
RT: 2.74 min Scan# 224

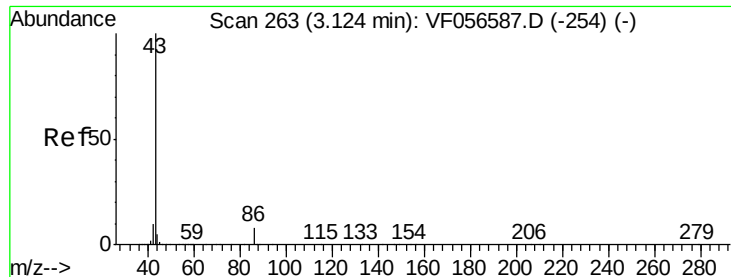
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	45	Resp:	234371
Ion Ratio	Lower	Upper	
45	100		
43	52.6	37.4	56.0
87	20.0	14.6	22.0
59	10.7	8.5	12.7





#23

Vinyl Acetate

Concen: 97.55 ug/l

RT: 3.13 min Scan# 263

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

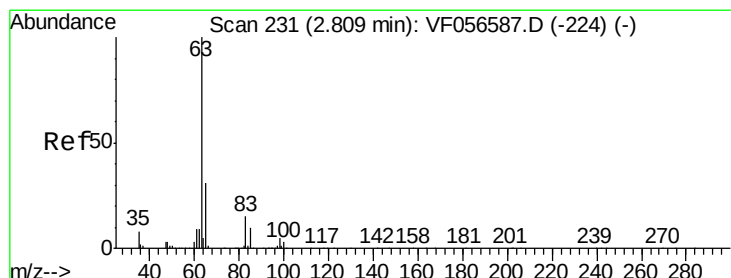
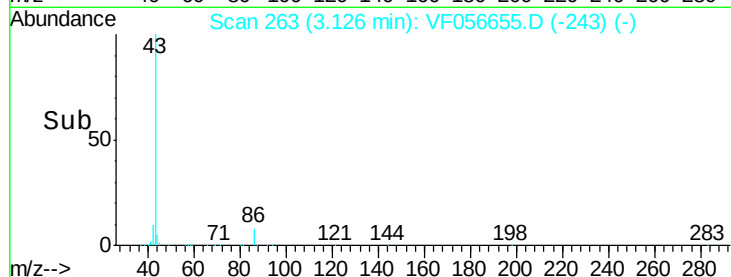
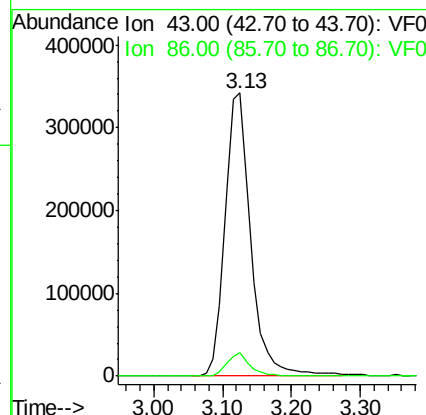
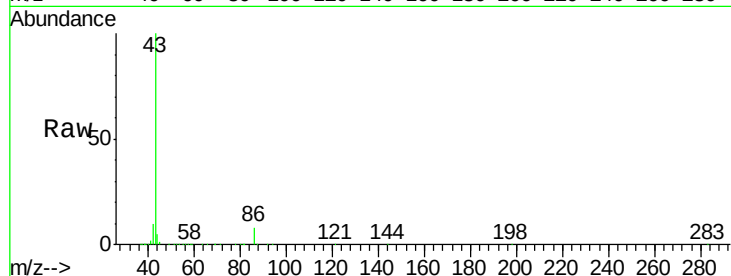
ClientSampleId :

VF0223SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	883022		
86	8.4	6.6	10.0	

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#24

1,1-Dichloroethane

Concen: 21.25 ug/l

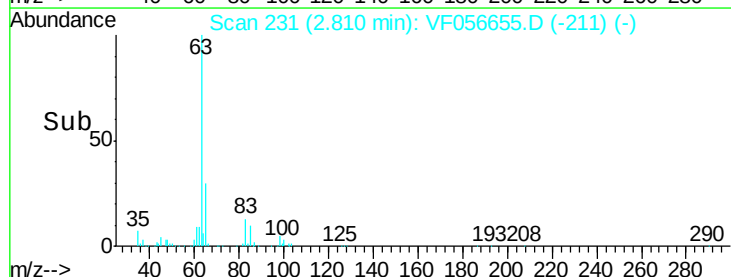
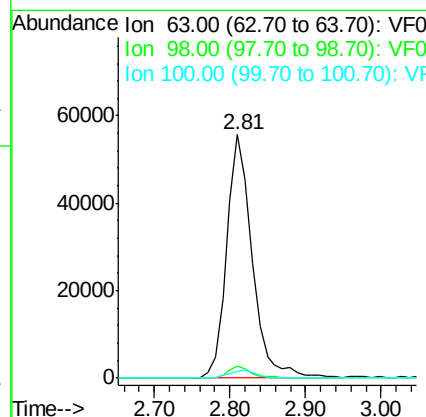
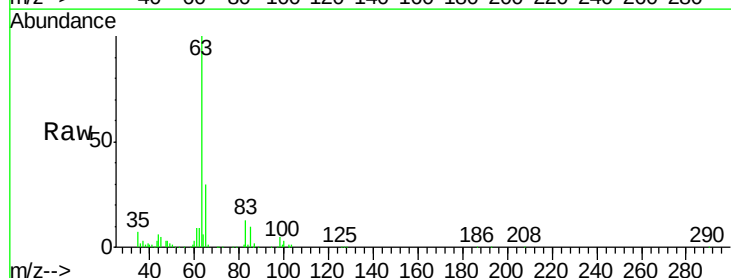
RT: 2.81 min Scan# 231

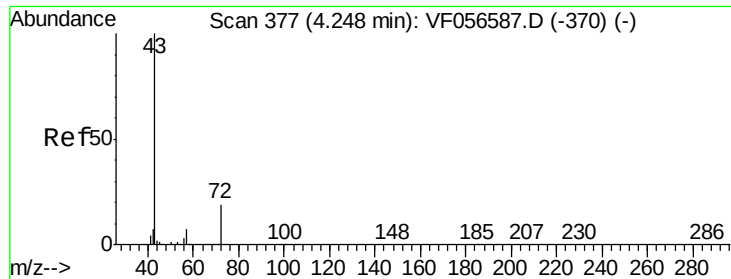
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	130581		
98	4.6	2.3	6.8	
100	2.6	1.6	4.7	





#25

2-Butanone

Concen: 95.54 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

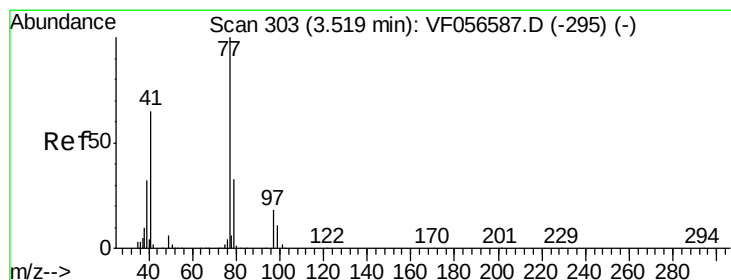
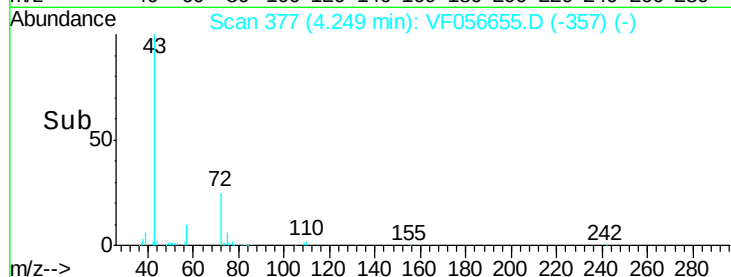
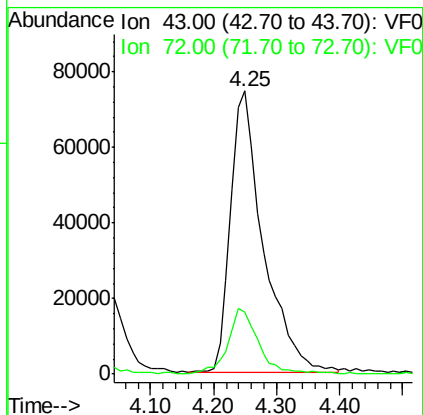
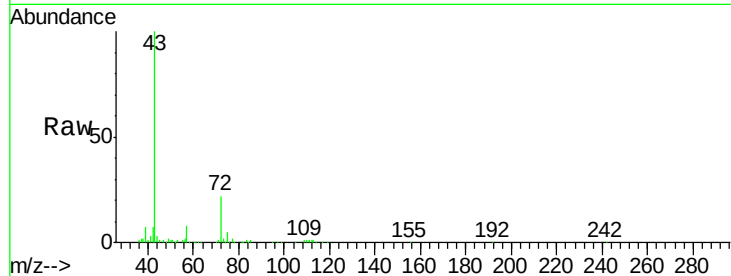
ClientSampleId :

VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	16.5	24.7

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#26

2,2-Dichloropropane

Concen: 20.92 ug/l

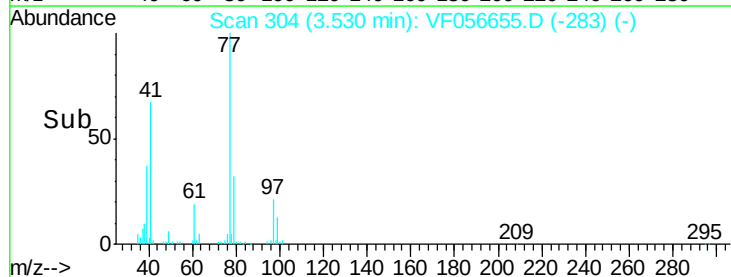
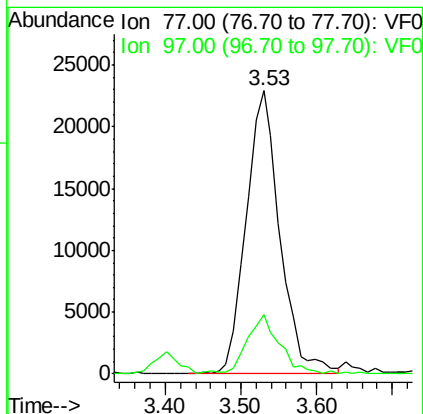
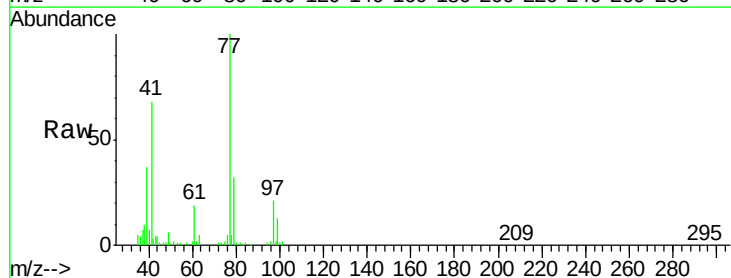
RT: 3.53 min Scan# 304

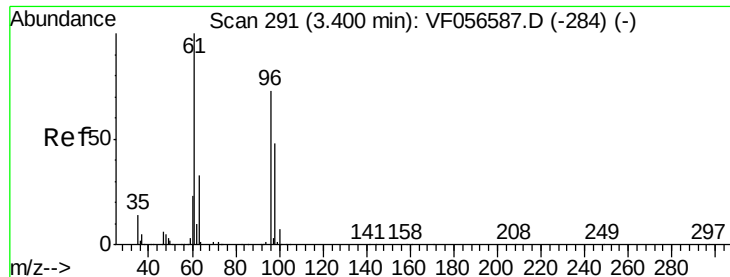
Delta R.T. 0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
77	100		
97	20.9	9.8	29.5





#27

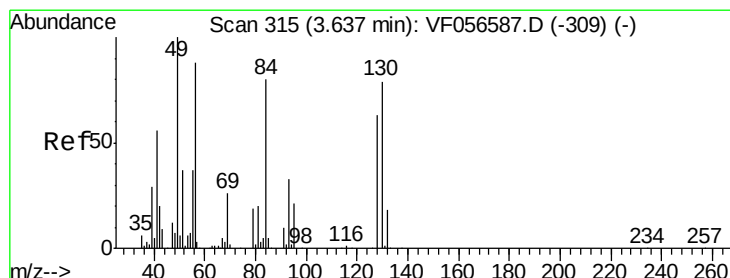
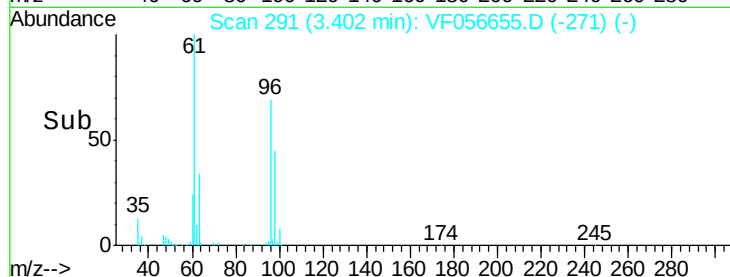
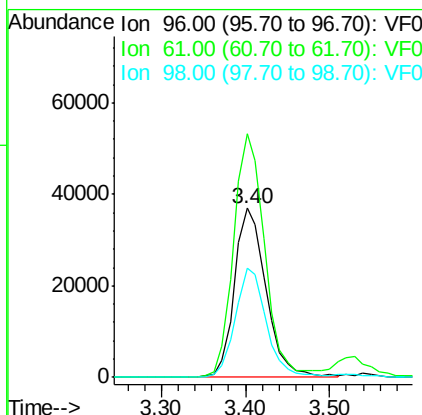
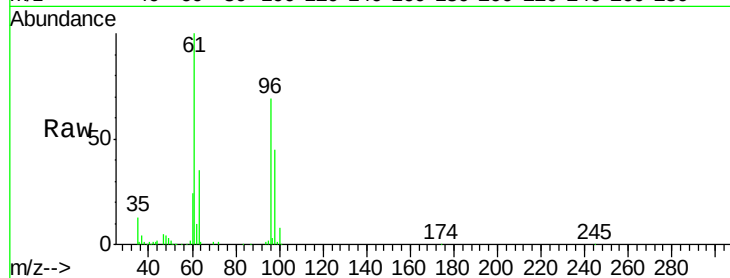
cis-1,2-Dichloroethene
Concen: 19.03 ug/l
RT: 3.40 min Scan# 291
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	97235		
61	143.9	0.0	272.6	
98	64.8	0.0	131.6	

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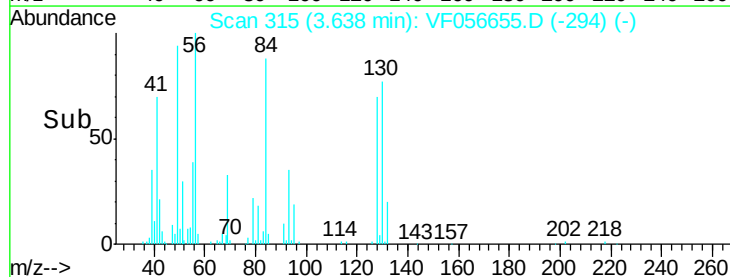
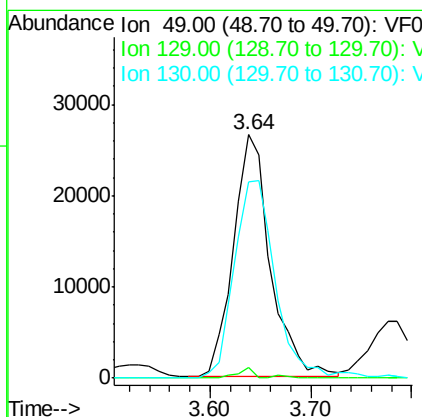
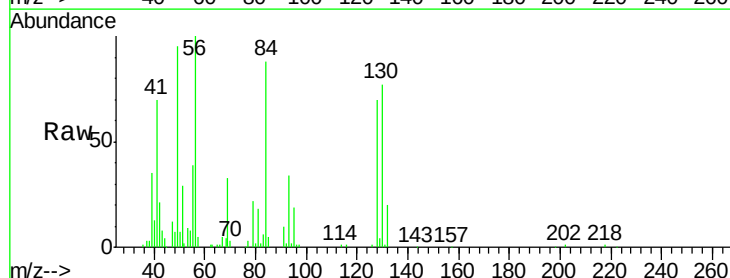
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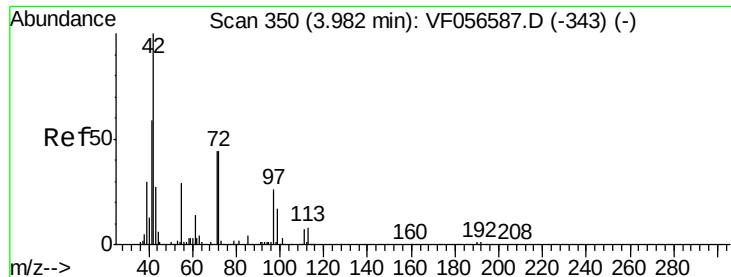


#28

Bromochloromethane
Concen: 18.30 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	67816		
129	4.1	0.0	0.0#	
130	80.5	63.4	95.0	





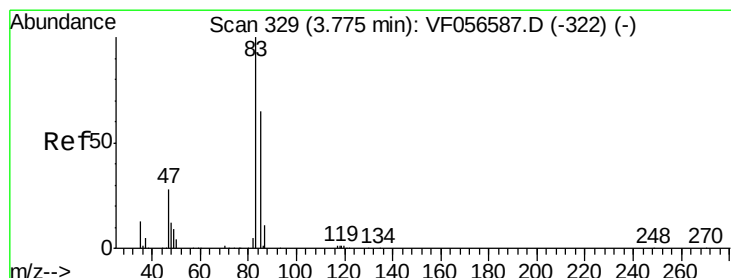
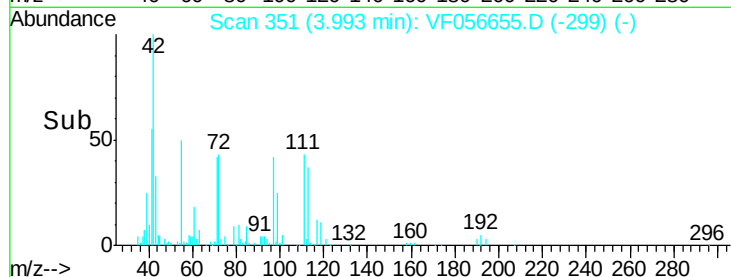
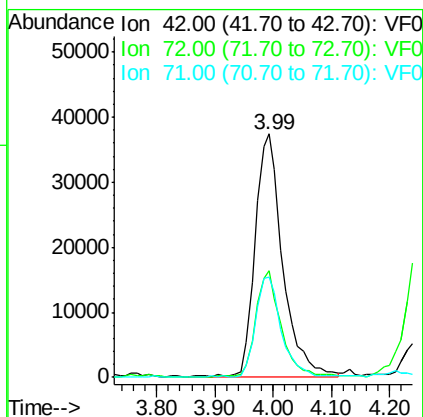
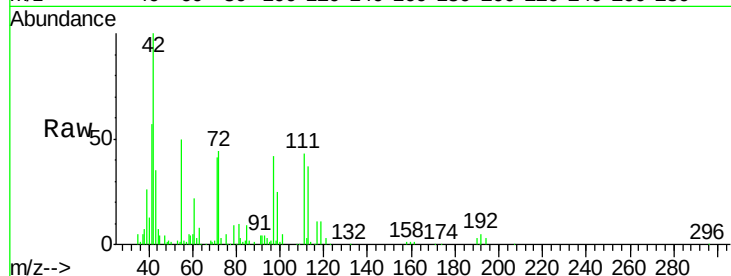
#29
Tetrahydrofuran
Concen: 96.65 ug/l
RT: 3.99 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	38.8	32.8	49.2

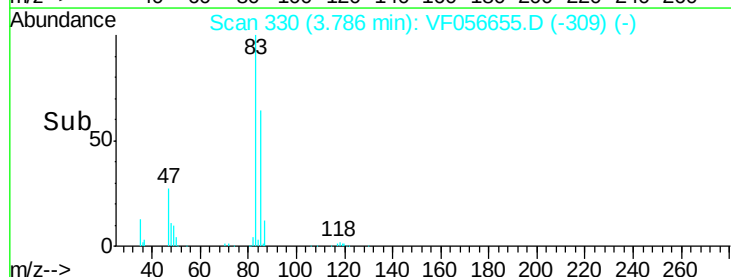
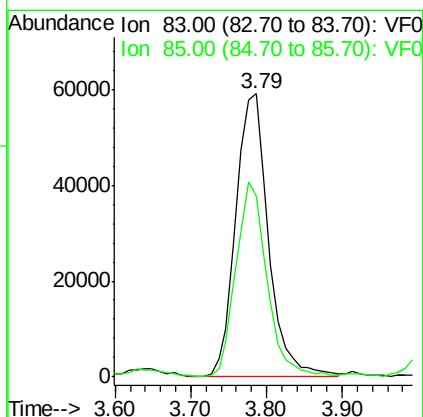
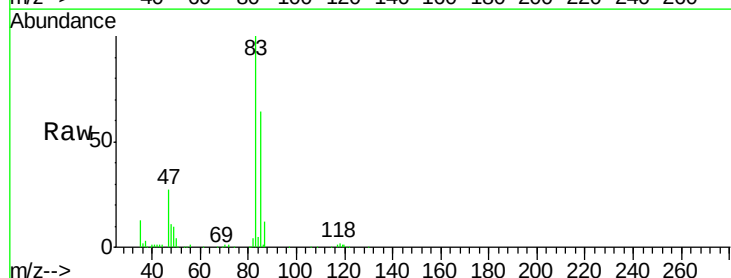
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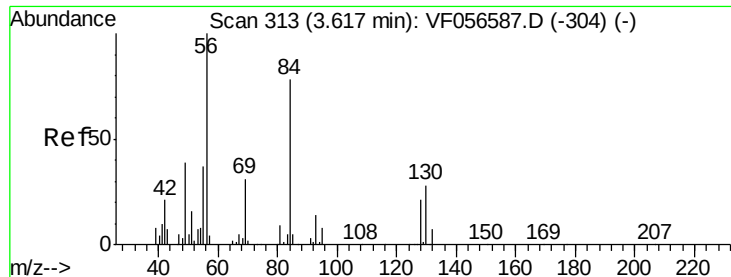
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#30
Chloroform
Concen: 19.99 ug/l
RT: 3.79 min Scan# 330
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.1	78.1





#31

Cyclohexane

Concen: 18.03 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.02 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

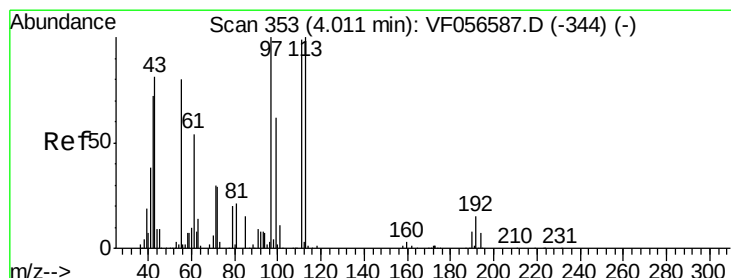
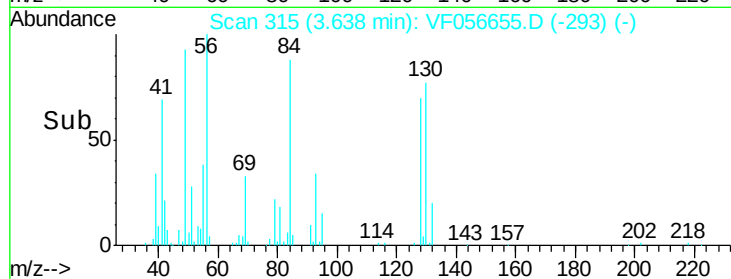
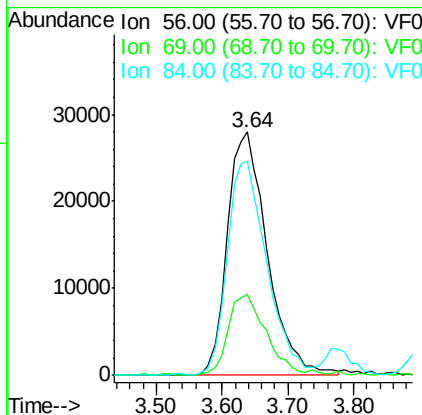
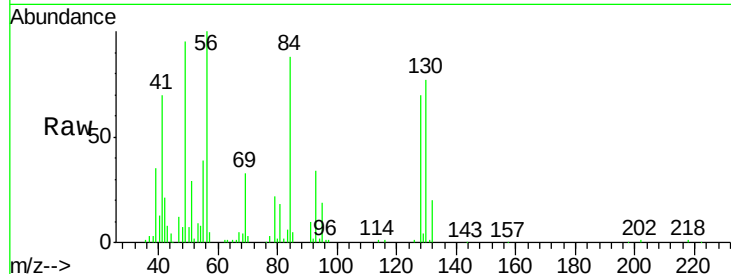
ClientSampleId :

VF0223SBS01

Tgt Ion:	56	Resp:	118988
Ion Ratio		Lower	Upper
56	100		
69	33.1	24.7	37.1
84	87.9	62.9	94.3

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#32

1,1,1-Trichloroethane

Concen: 21.50 ug/l

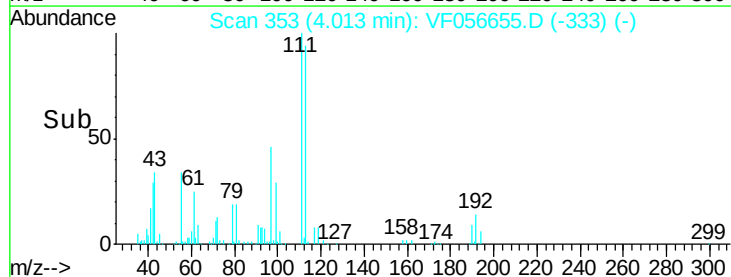
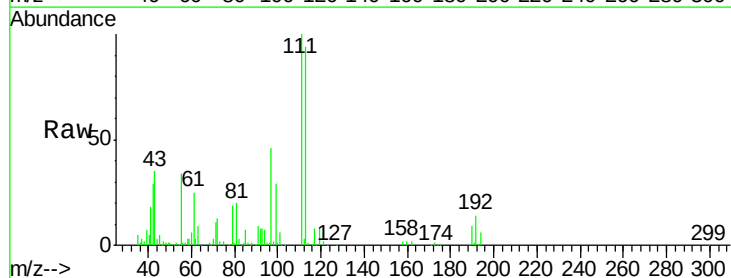
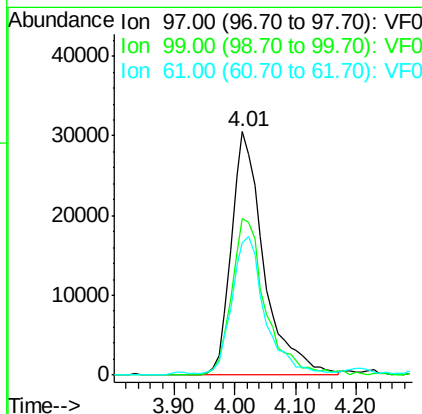
RT: 4.01 min Scan# 353

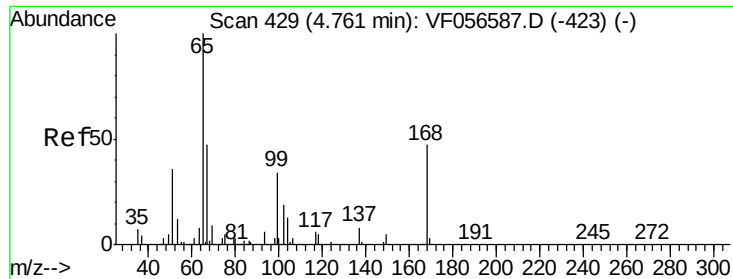
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	97	Resp:	114554
Ion Ratio		Lower	Upper
97	100		
99	64.1	49.4	74.2
61	54.5	43.9	65.9





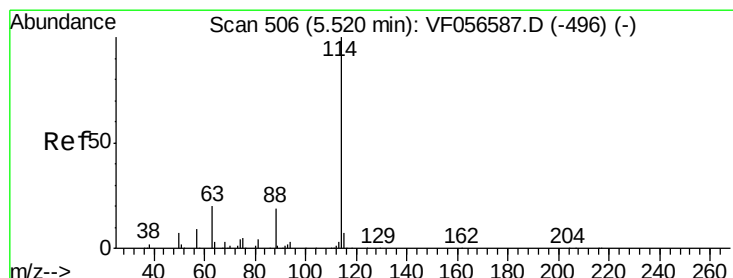
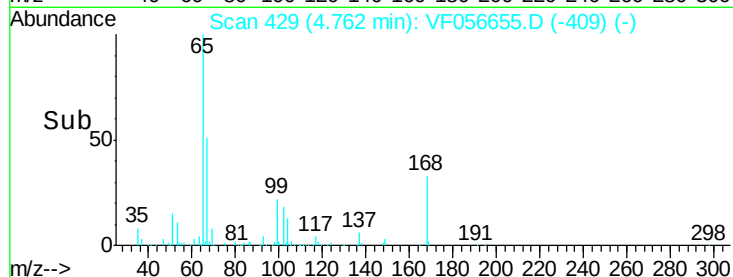
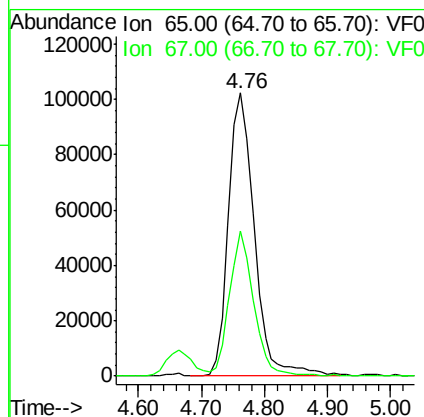
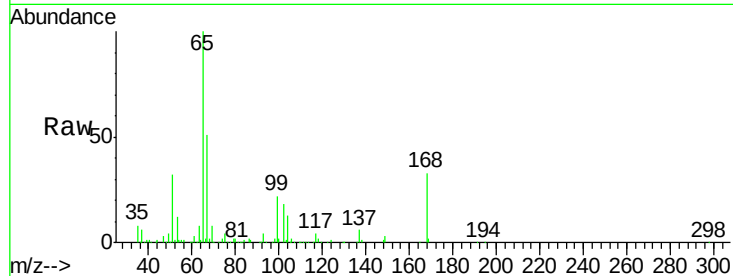
#33
 1,2-Dichloroethane-d4
 Concen: 53.83 ug/l
 RT: 4.76 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	289069		
67	51.2	0.0	103.0	

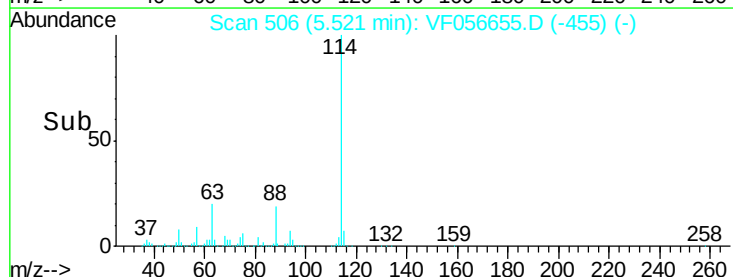
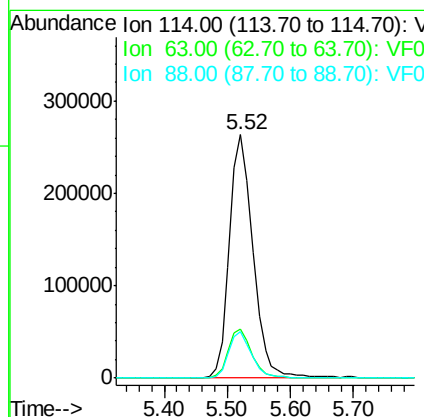
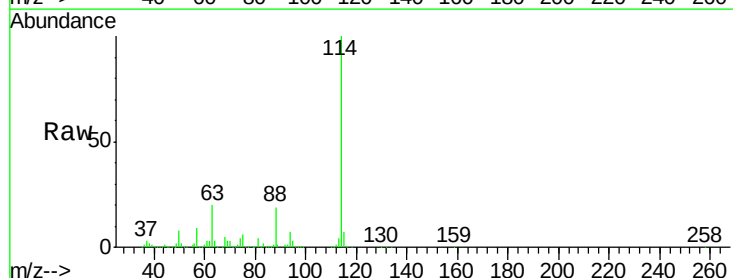
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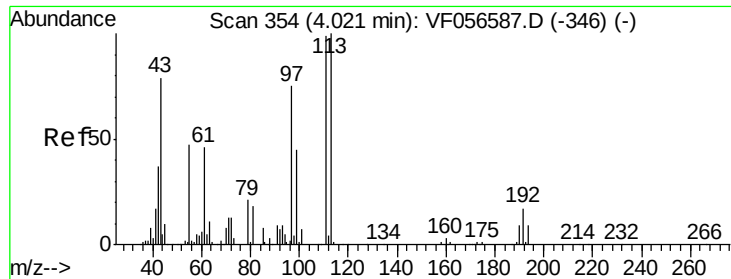
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	683629		
63	19.9	0.0	40.6	
88	19.2	0.0	37.8	





#35

Dibromofluoromethane

Concen: 50.94 ug/l

RT: 4.03 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

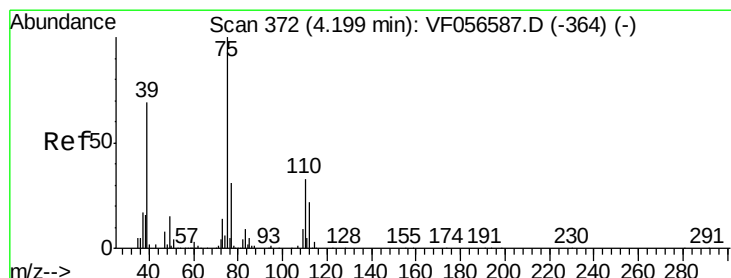
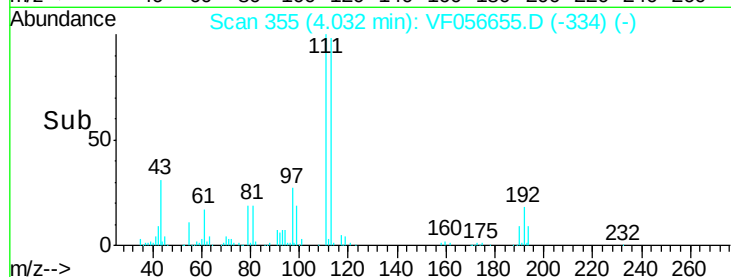
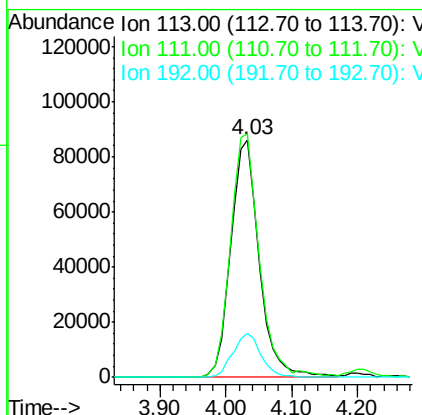
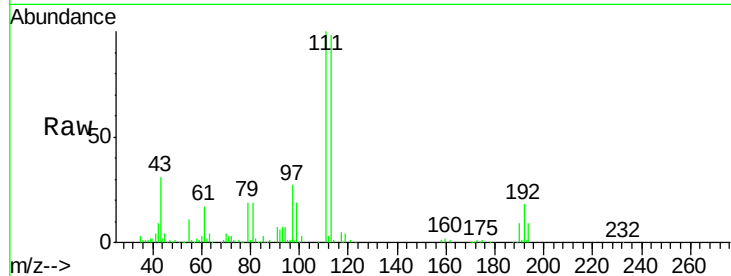
ClientSampleId :

VF0223SBS01

Tgt Ion:	113	Resp:	261908
Ion Ratio	Lower	Upper	
113	100		
111	102.4	79.1	118.7
192	18.4	13.9	20.9

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#36

1,1-Dichloropropene

Concen: 18.35 ug/l

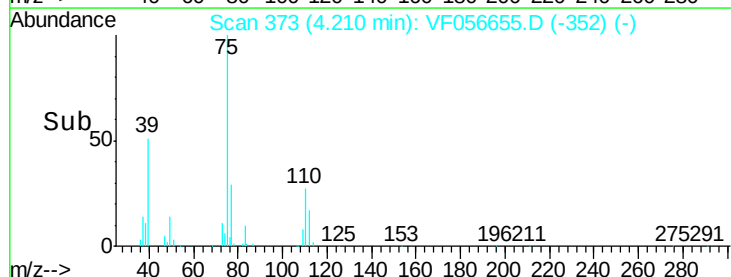
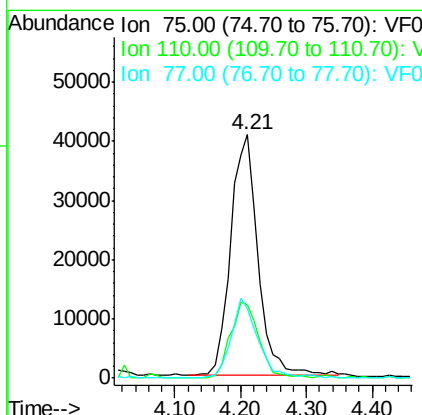
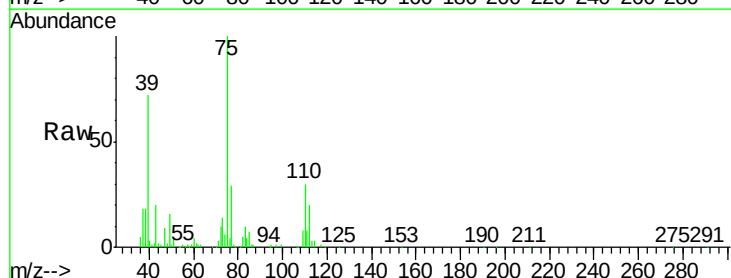
RT: 4.21 min Scan# 373

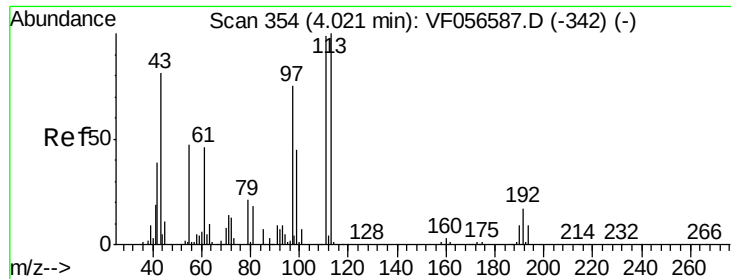
Delta R.T. 0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	75	Resp:	118126
Ion Ratio	Lower	Upper	
75	100		
110	30.4	16.6	49.7
77	28.5	24.5	36.7





#37

Ethyl Acetate

Concen: 19.94 ug/l

RT: 4.02 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

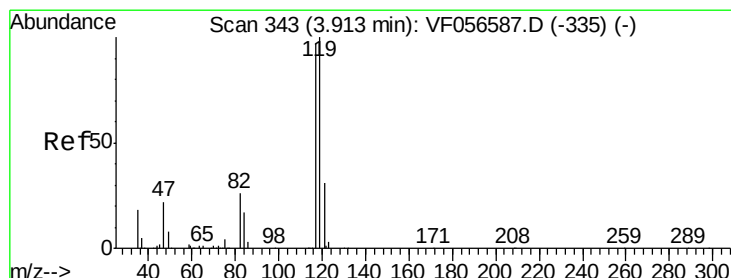
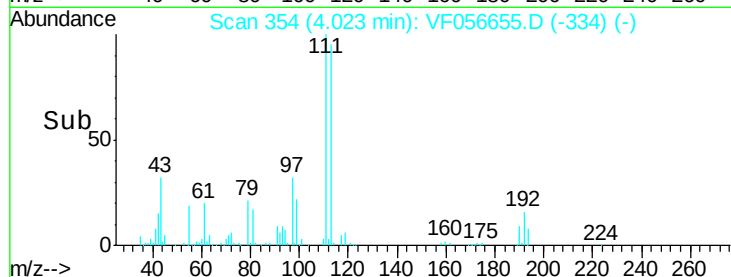
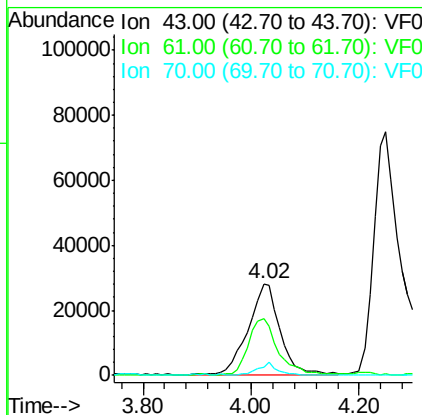
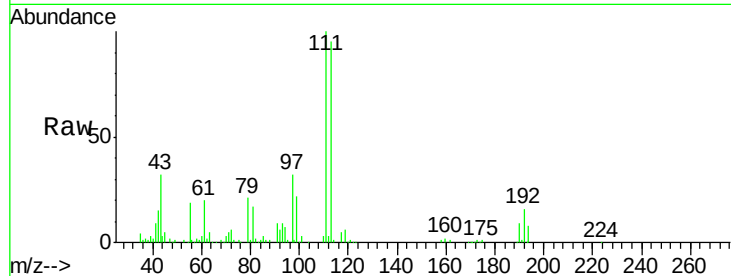
ClientSampleId :

VF0223SBS01

Tgt Ion:	43	Resp:	114776
Ion	Ratio	Lower	Upper
43	100		
61	61.9	45.4	68.2
70	9.4	8.8	13.2

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#38

Carbon Tetrachloride

Concen: 21.49 ug/l

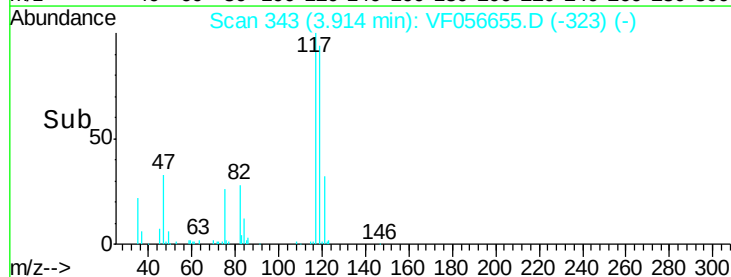
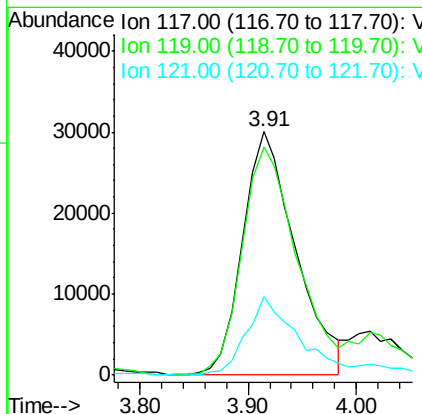
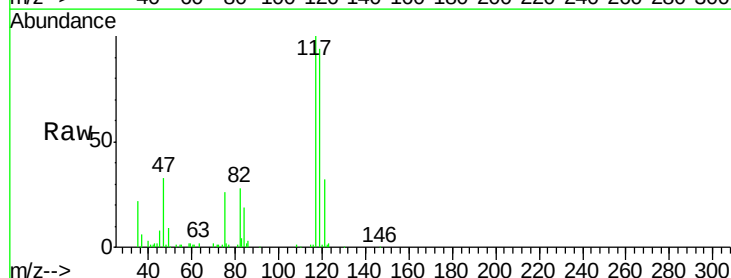
RT: 3.91 min Scan# 343

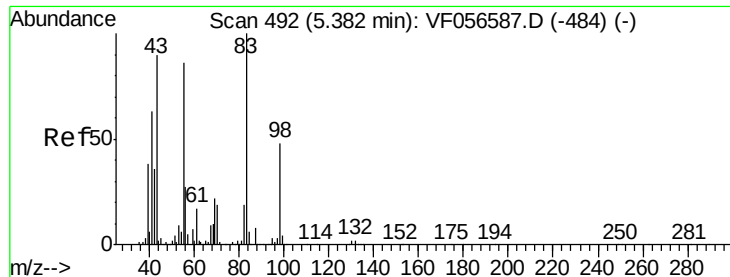
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	117	Resp:	102955
Ion	Ratio	Lower	Upper
117	100		
119	94.0	82.2	123.4
121	32.1	25.8	38.6





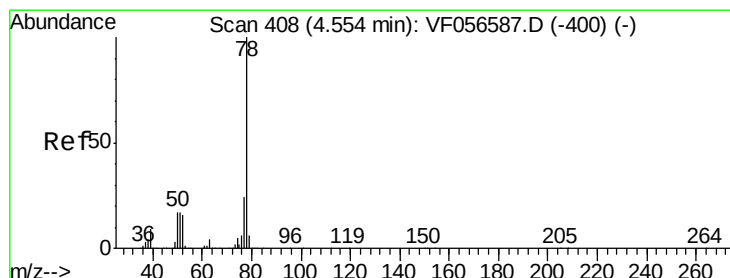
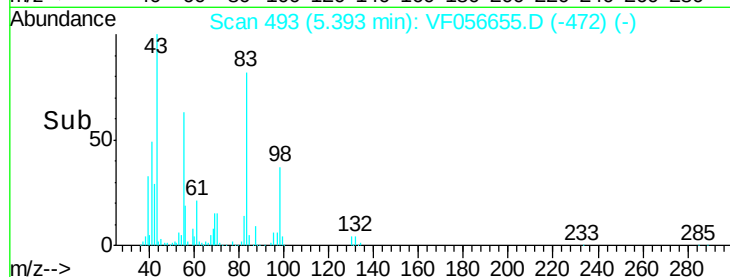
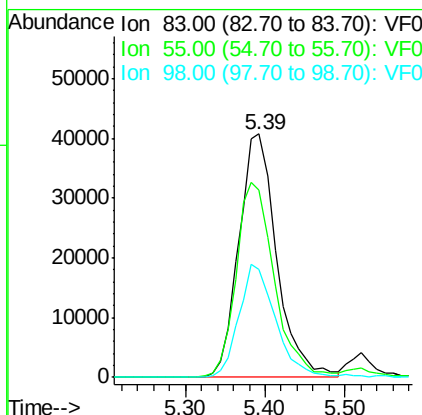
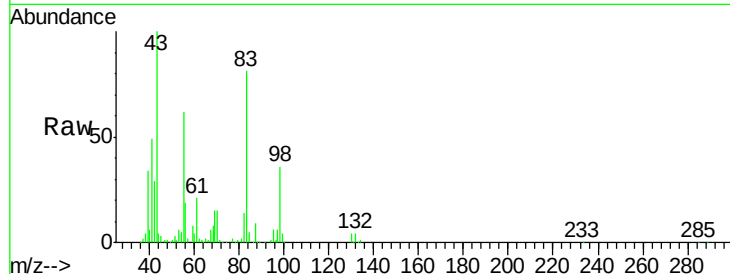
#39
Methylcyclohexane
Concen: 19.31 ug/l
RT: 5.39 min Scan# 493
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.9	68.7	103.1
98	44.4	38.0	57.0

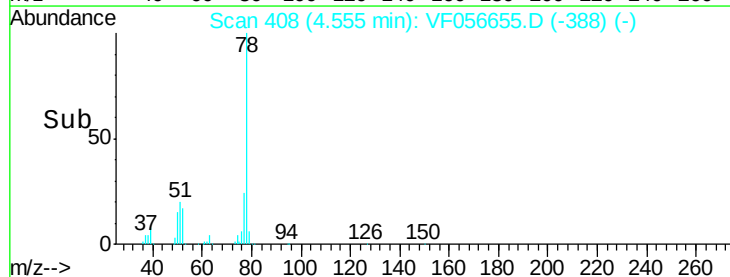
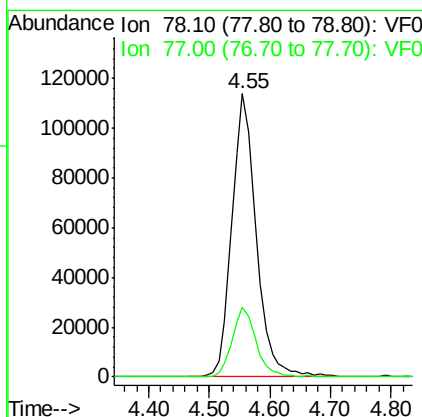
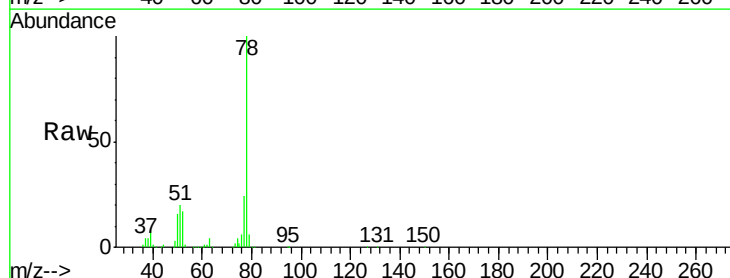
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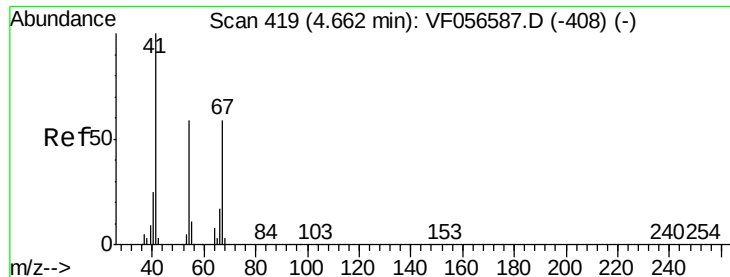
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#40
Benzene
Concen: 19.50 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





#41

Methacrylonitrile

Concen: 20.14 ug/l

RT: 4.66 min Scan# 419

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

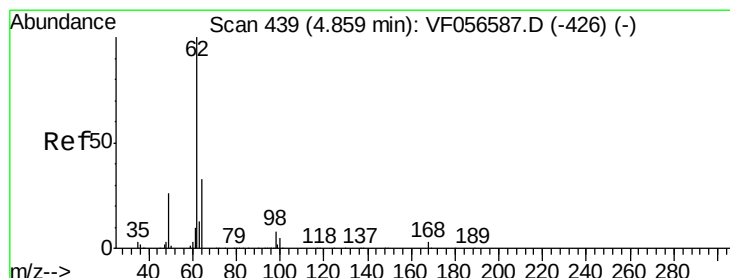
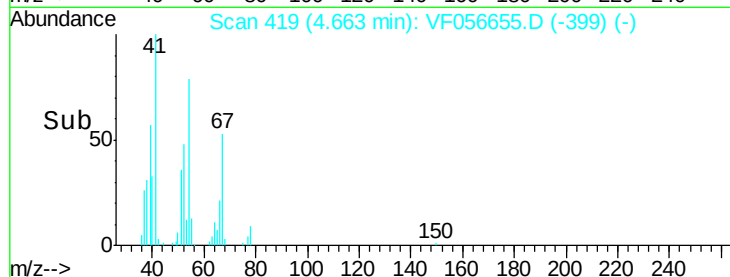
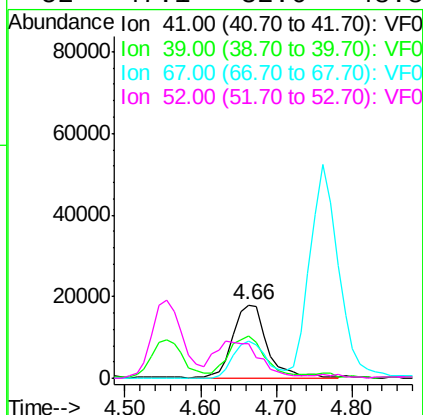
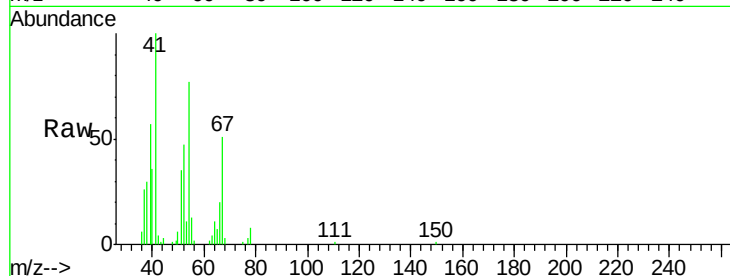
ClientSampleId :

VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.3	48.2	72.4
67	51.5	46.9	70.3
52	47.1	32.6	48.8

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#42

1,2-Dichloroethane

Concen: 21.05 ug/l

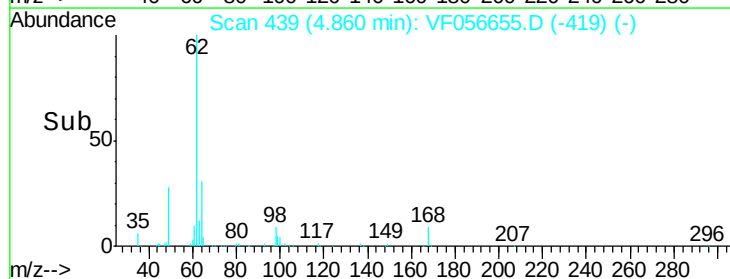
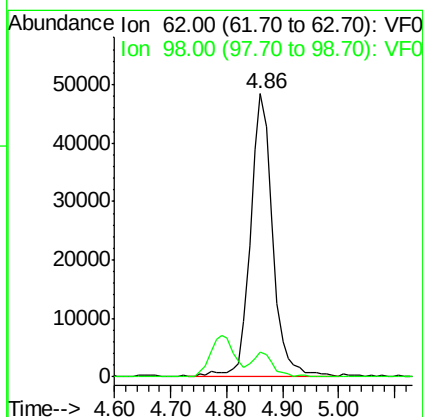
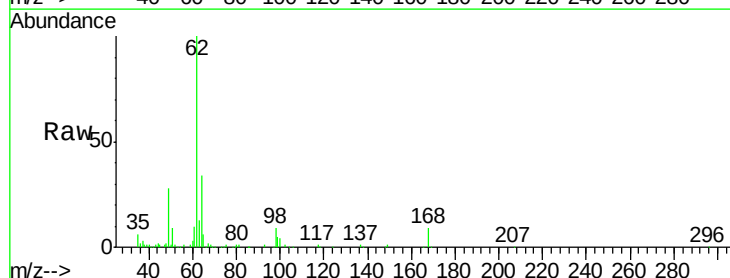
RT: 4.86 min Scan# 439

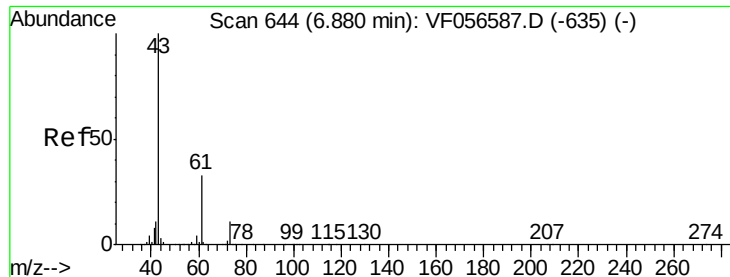
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.10 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

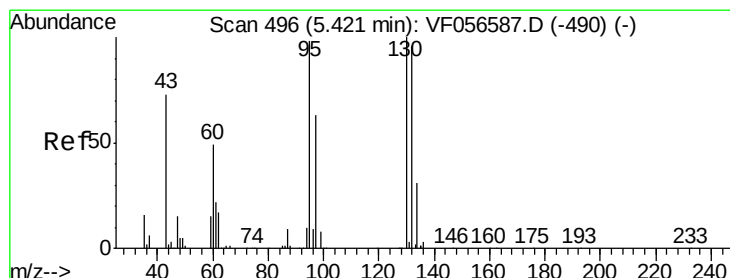
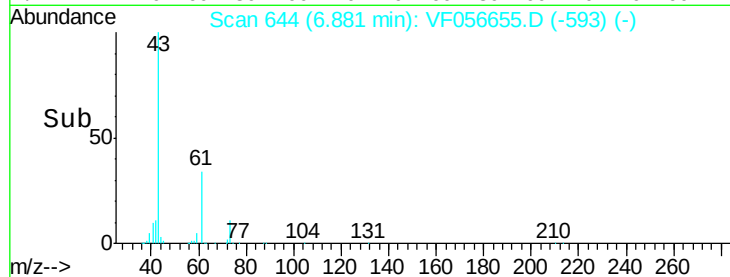
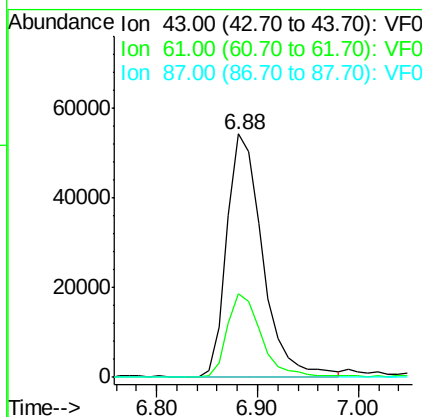
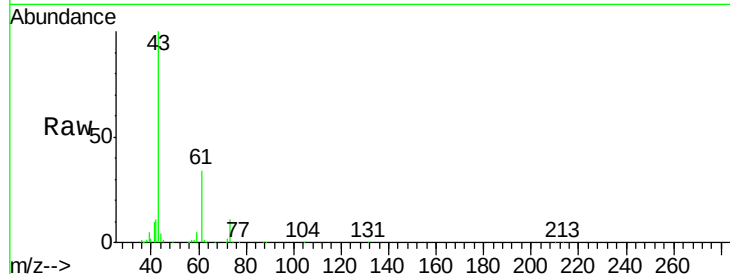
ClientSampleId :

VF0223SBSD01

Tgt Ion:	43	Resp:	134791
Ion	Ratio	Lower	Upper
43	100		
61	34.2	26.5	39.7
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 20.05 ug/l

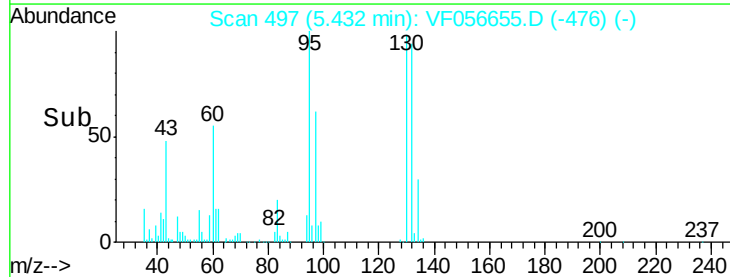
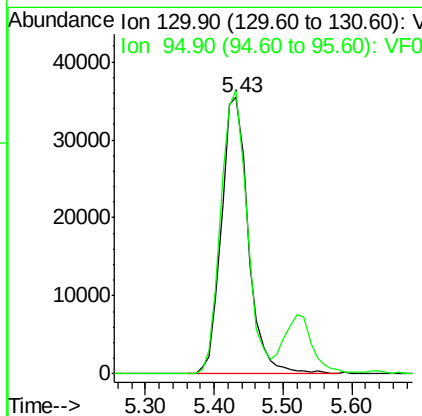
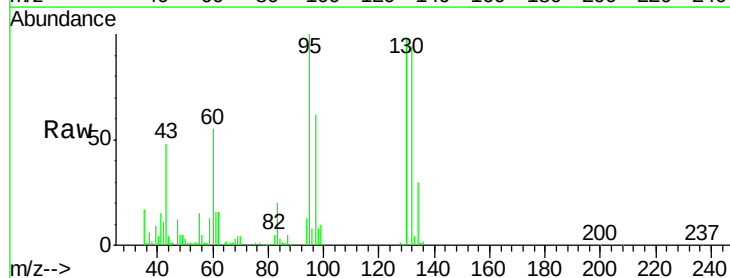
RT: 5.43 min Scan# 497

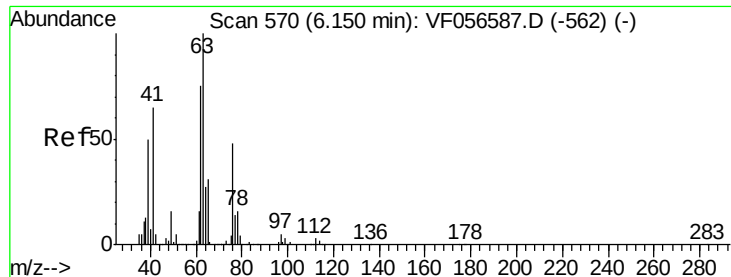
Delta R.T. 0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	130	Resp:	96055
Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	195.8





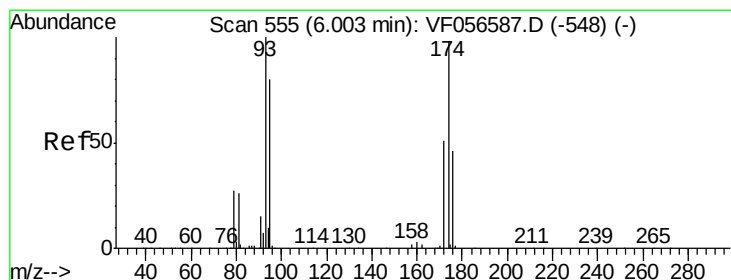
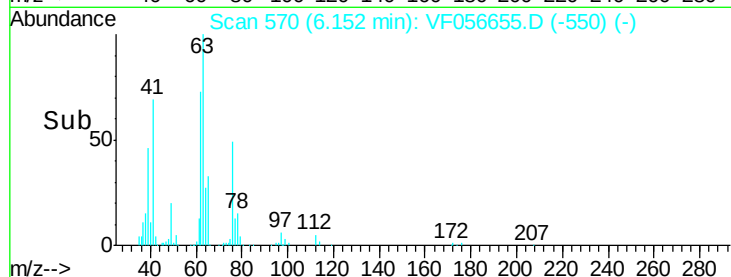
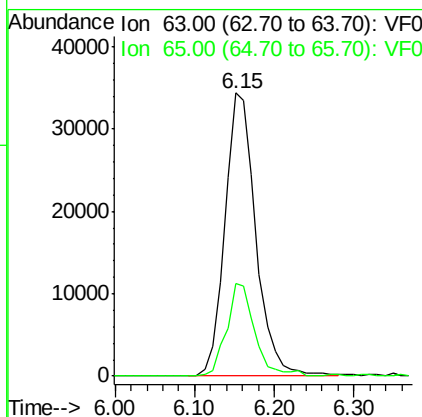
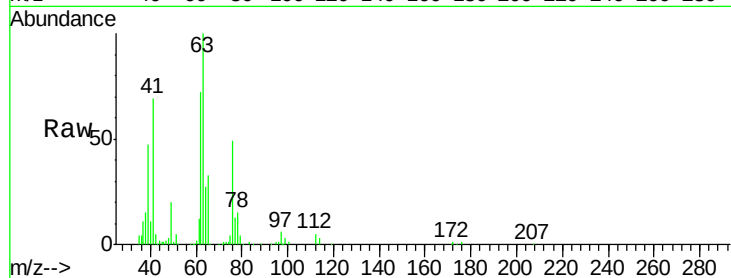
#45
 1,2-Dichloropropane
 Concen: 20.11 ug/l
 RT: 6.15 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.2	37.8

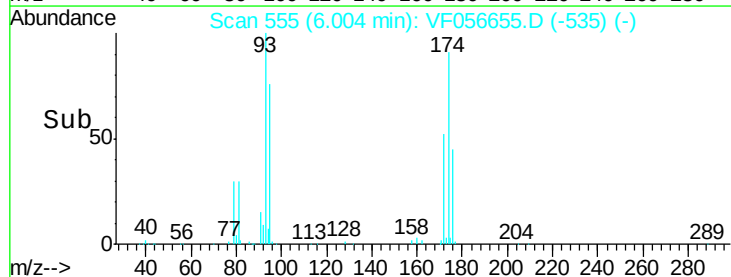
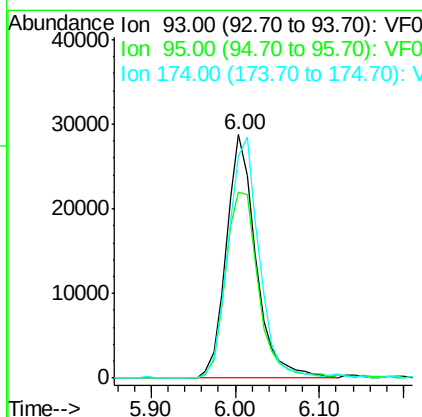
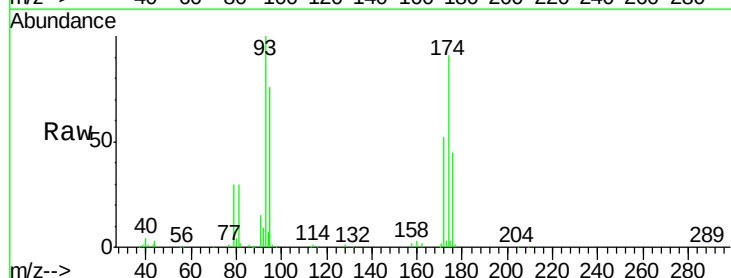
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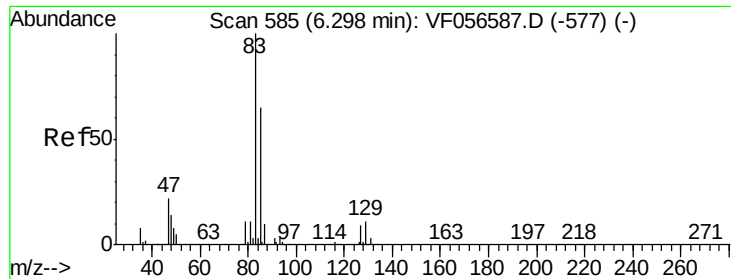
apatel
 2/26/2018 10:58:02 AM



#46
 Dibromomethane
 Concen: 19.69 ug/l
 RT: 6.00 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	76.2	63.9	95.9
174	91.1	78.6	118.0





#47

Bromodichloromethane

Concen: 20.36 ug/l

RT: 6.30 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

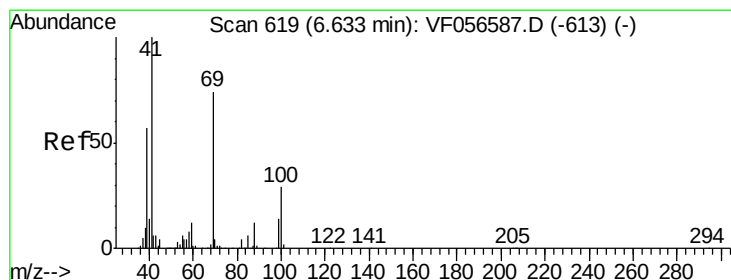
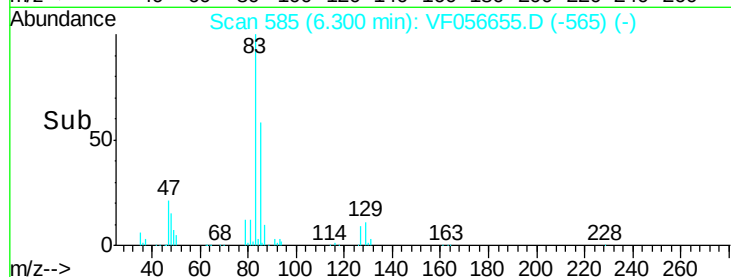
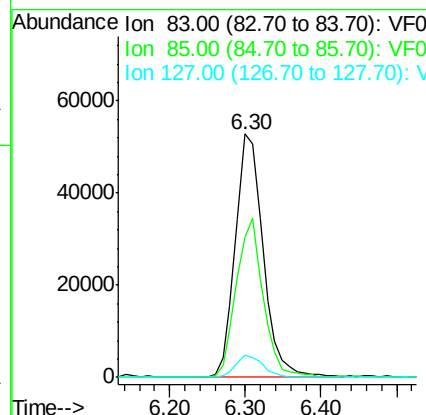
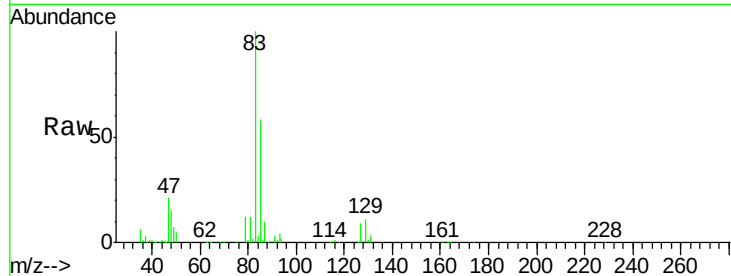
ClientSampleId :

VF0223SBS01

Tgt Ion:	83	Resp:	134606
Ion Ratio	Lower	Upper	
83	100		
85	57.7	52.1	78.1
127	8.9	7.0	10.4

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#48

Methyl methacrylate

Concen: 20.81 ug/l

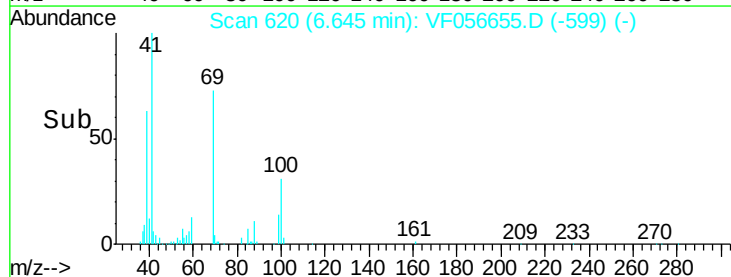
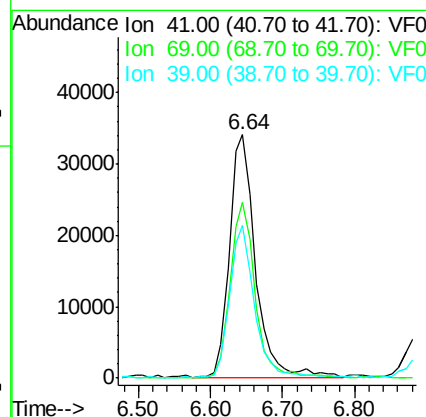
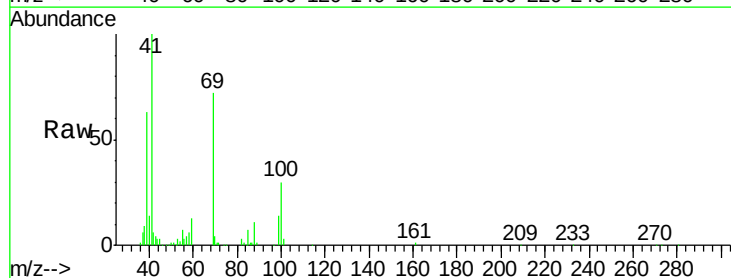
RT: 6.64 min Scan# 620

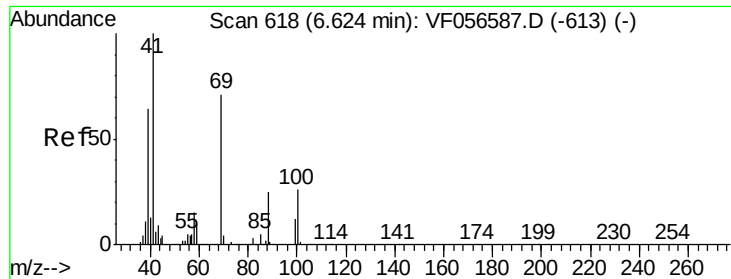
Delta R.T. 0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	41	Resp:	86028
Ion Ratio	Lower	Upper	
41	100		
69	72.5	58.8	88.2
39	62.8	46.1	69.1





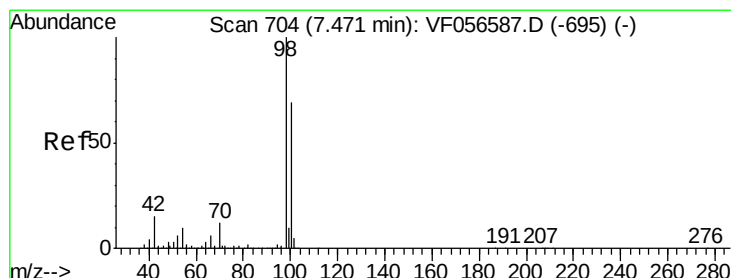
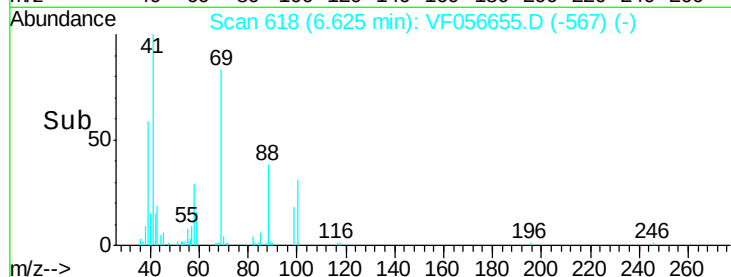
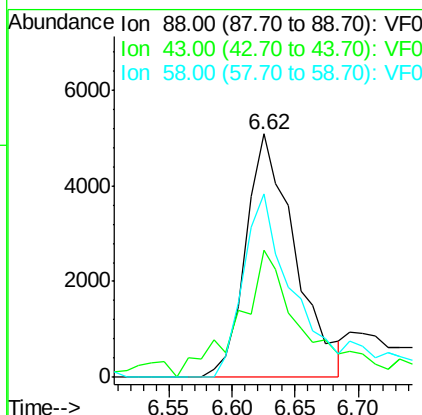
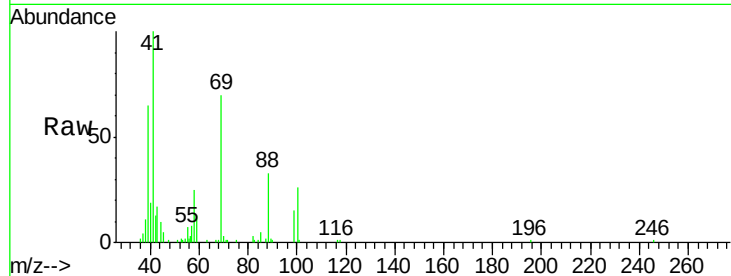
#49
1,4-Dioxane
Concen: 324.41 ug/l
RT: 6.62 min Scan# 618
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	13827		
43	52.4	30.8	46.2#	
58	75.2	49.8	74.6#	

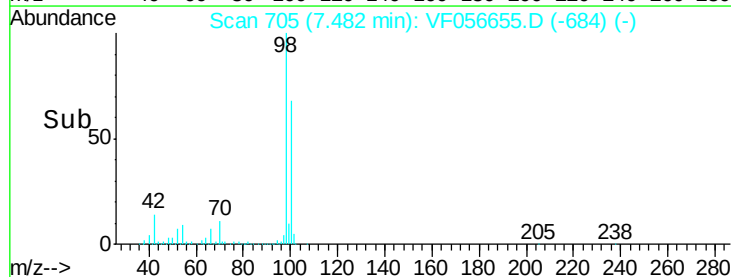
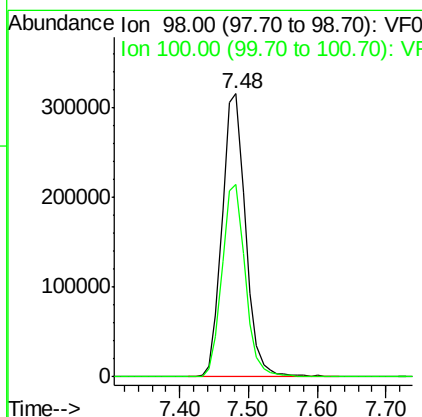
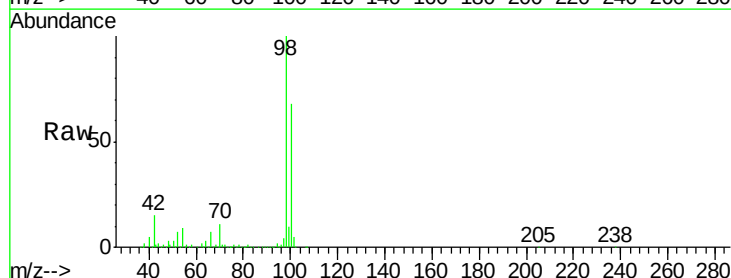
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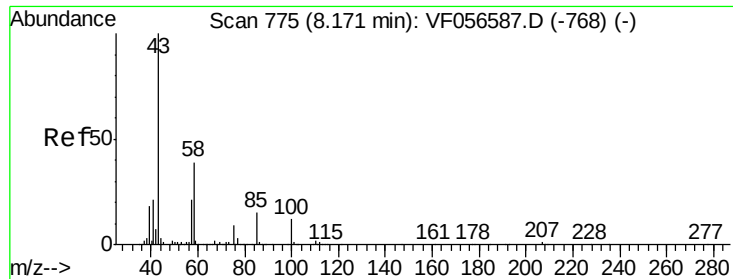
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#50
Toluene-d8
Concen: 48.40 ug/l
RT: 7.48 min Scan# 705
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	745996		
100	68.2	55.4	83.0	





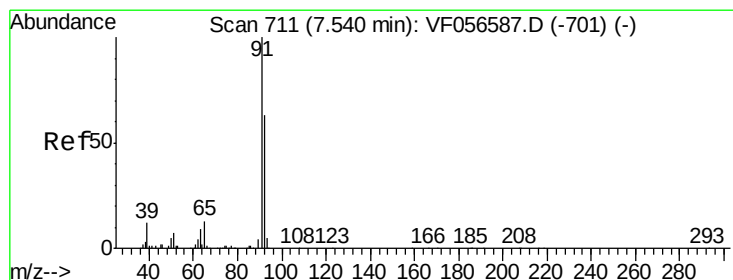
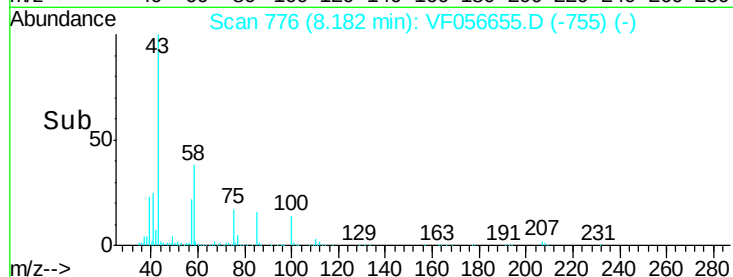
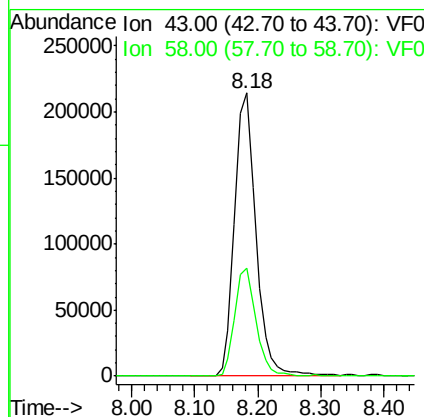
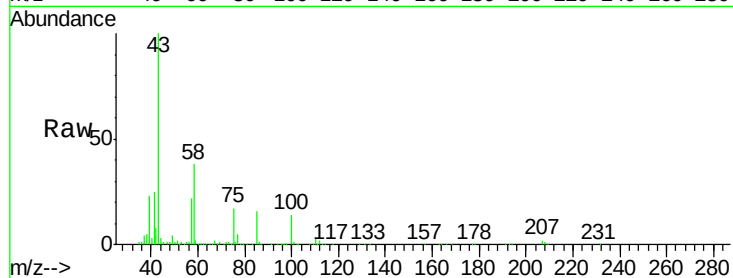
#51
4-Methyl-2-Pentanone
Concen: 103.56 ug/l
RT: 8.18 min Scan# 776
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	499829		
58	38.3	30.9	46.3	

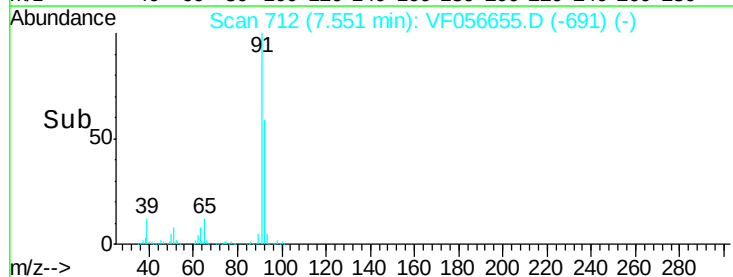
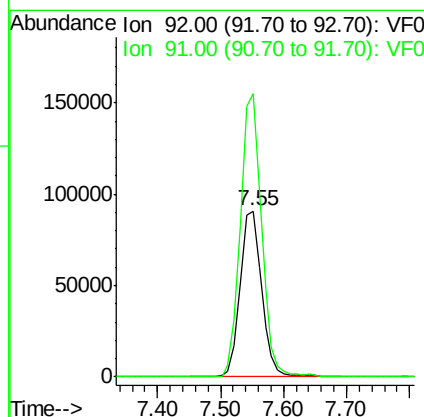
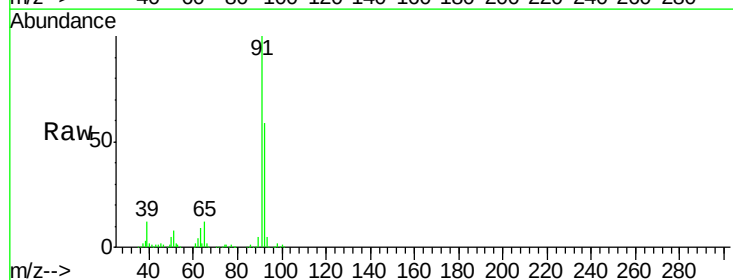
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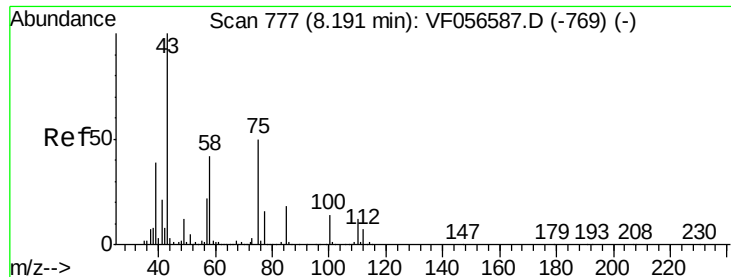
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#52
Toluene
Concen: 19.70 ug/l
RT: 7.55 min Scan# 712
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
92	100	214165		
91	170.4	127.2	190.8	





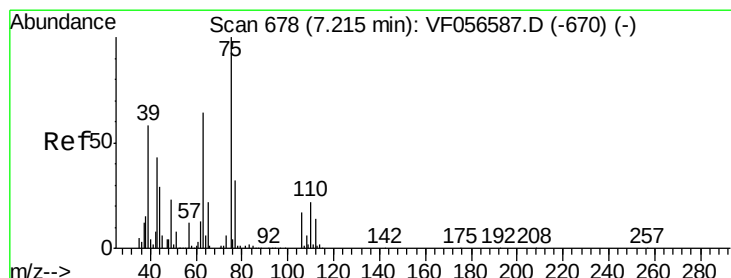
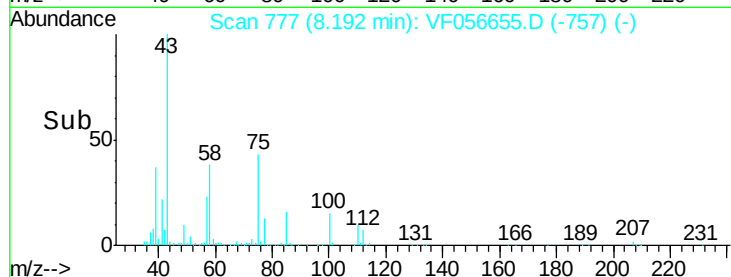
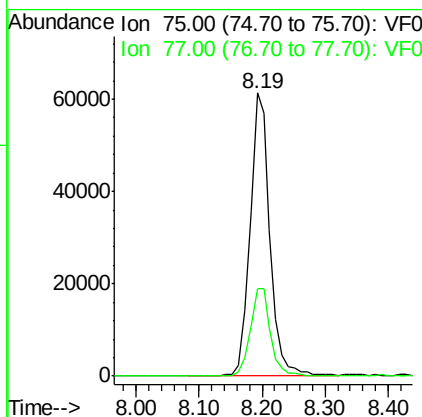
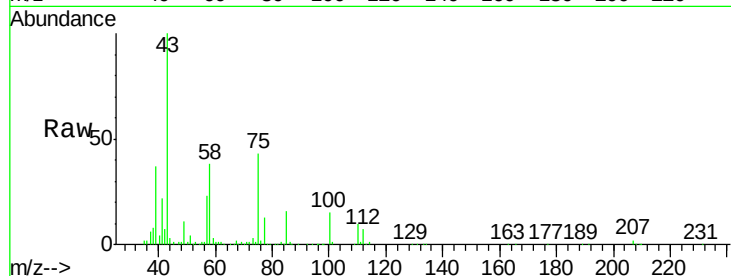
#53
 t-1,3-Dichloropropene
 Concen: 20.20 ug/l
 RT: 8.19 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion: 75 Resp: 134512
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.4

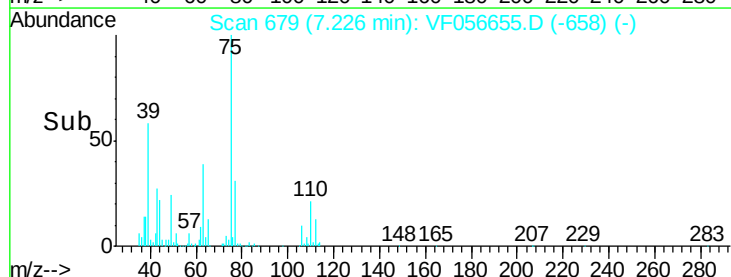
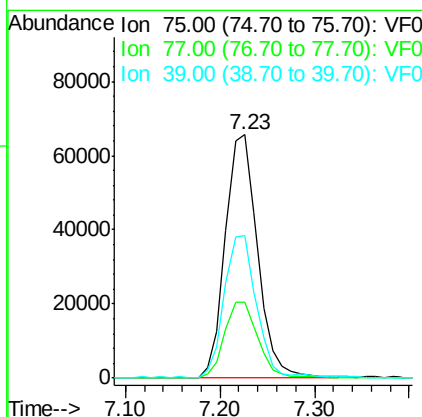
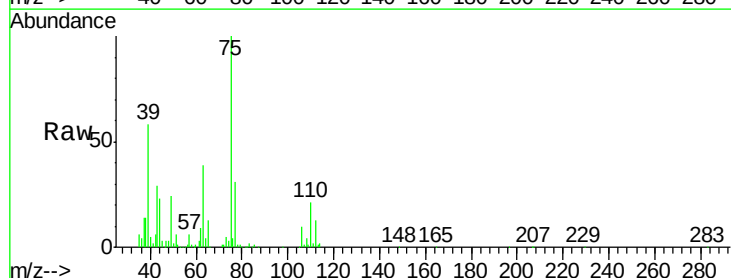
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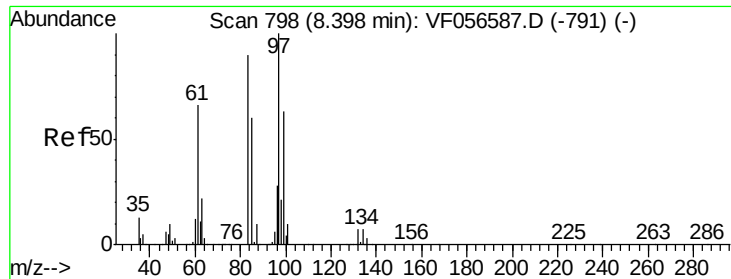
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#54
 cis-1,3-Dichloropropene
 Concen: 20.14 ug/l
 RT: 7.23 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion: 75 Resp: 156108
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5
 39 58.4 47.0 70.6





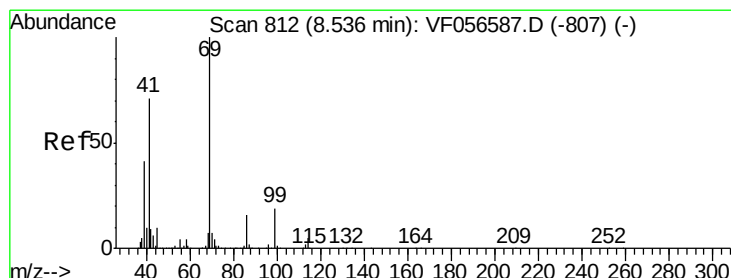
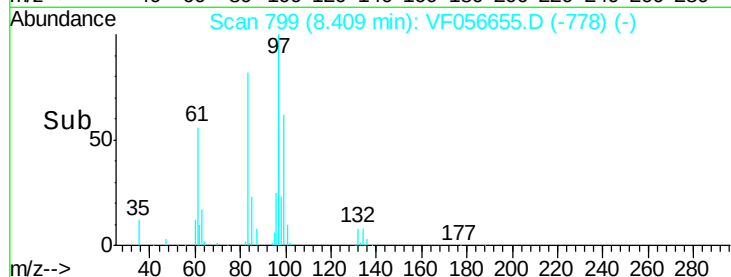
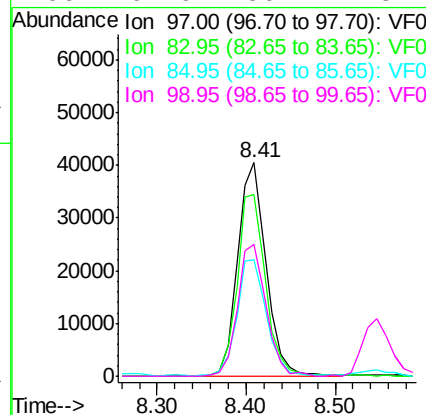
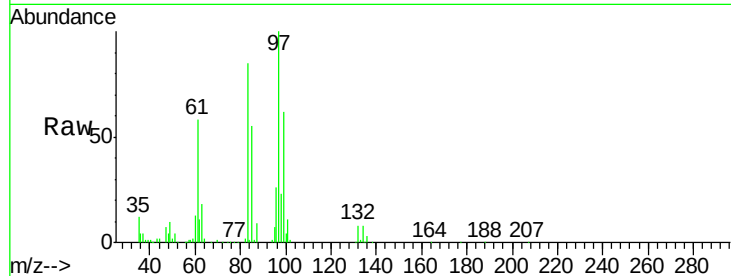
#55
 1,1,2-Trichloroethane
 Concen: 20.96 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		90254		
83	85.1	71.8	107.8		
85	54.6	48.0	72.0		
99	61.9	50.2	75.2		

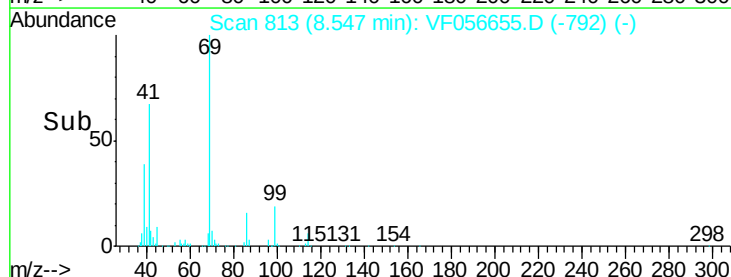
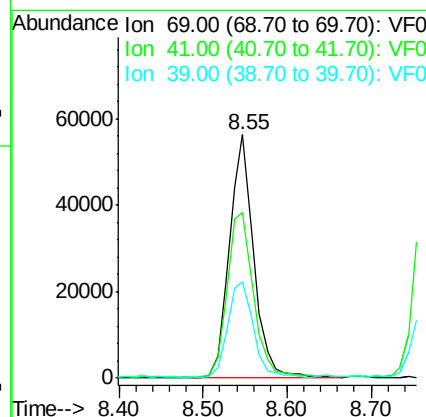
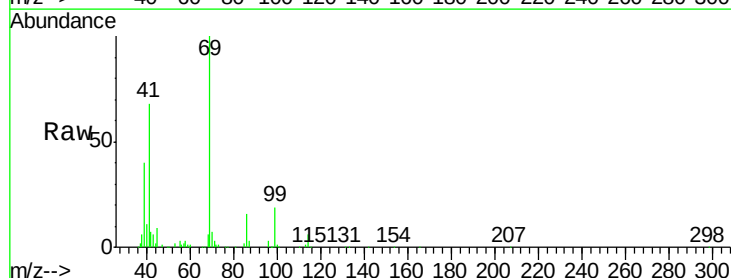
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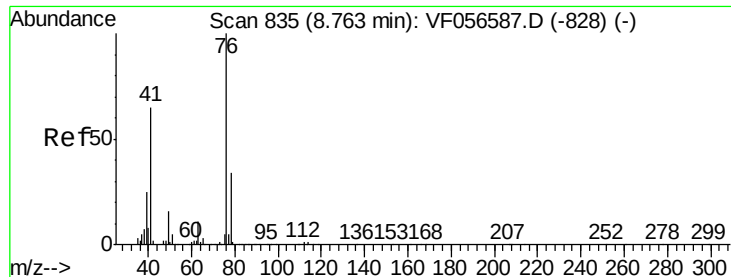
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#56
 Ethyl methacrylate
 Concen: 20.11 ug/l
 RT: 8.55 min Scan# 813
 Delta R.T. 0.01 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		113090		
41	68.1	57.2	85.8		
39	39.6	33.0	49.6		





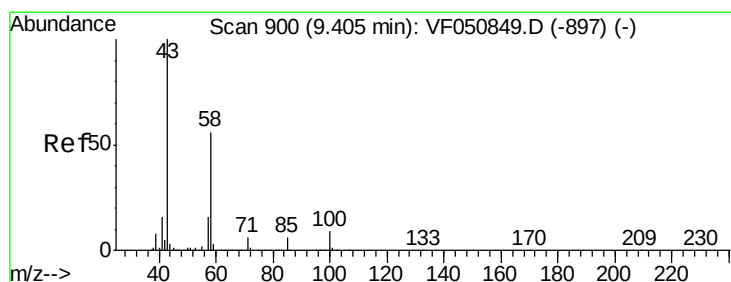
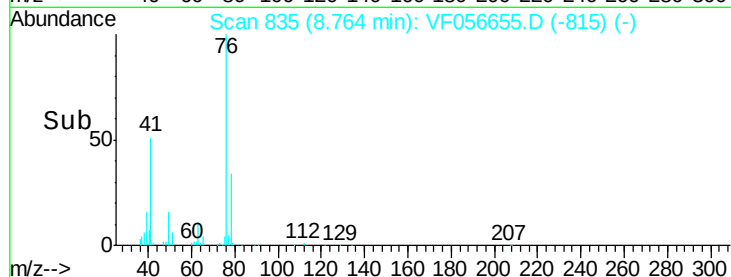
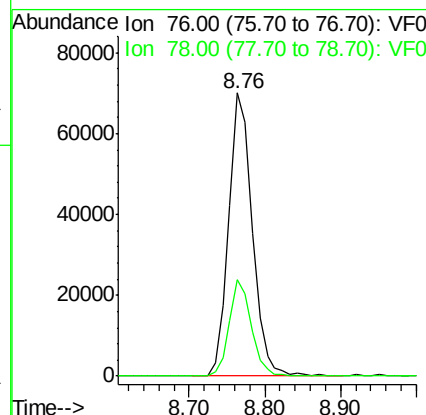
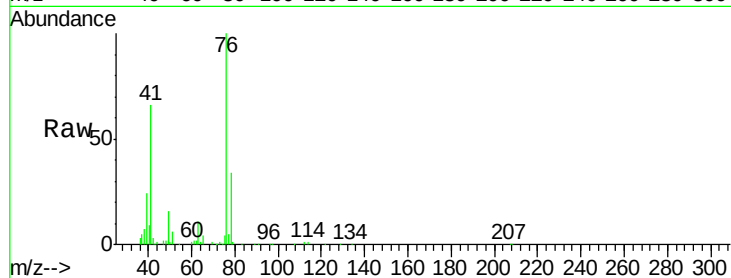
#57
 1,3-Dichloropropane
 Concen: 20.28 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	34.1	27.0	40.6

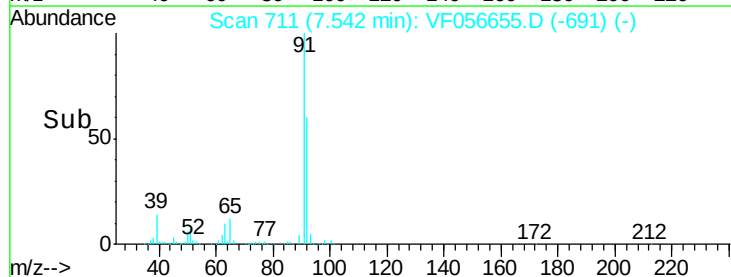
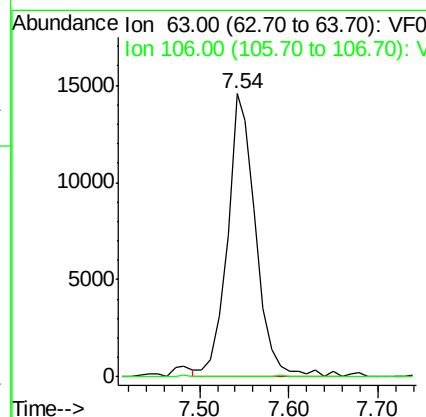
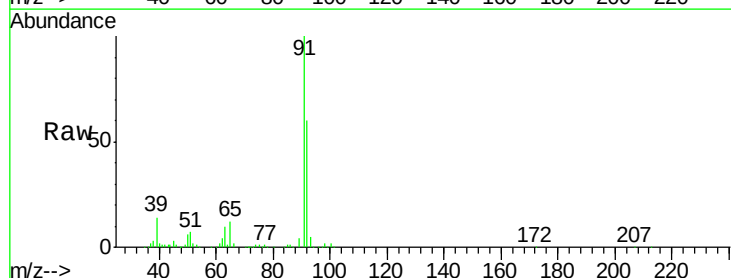
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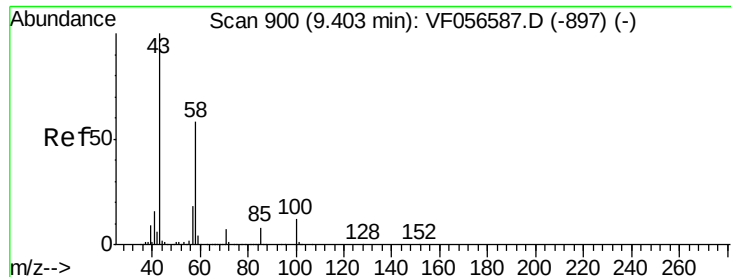
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#58
 2-Chloroethyl Vinyl ether
 Concen: 42.46 ug/l
 RT: 7.54 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





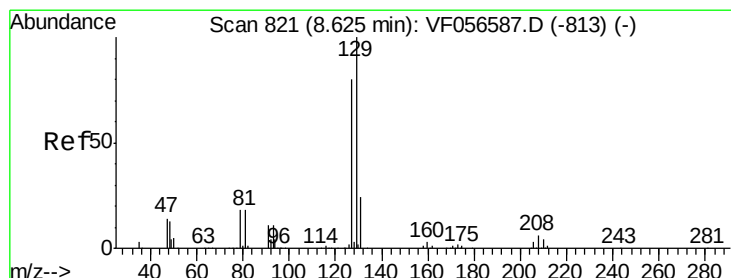
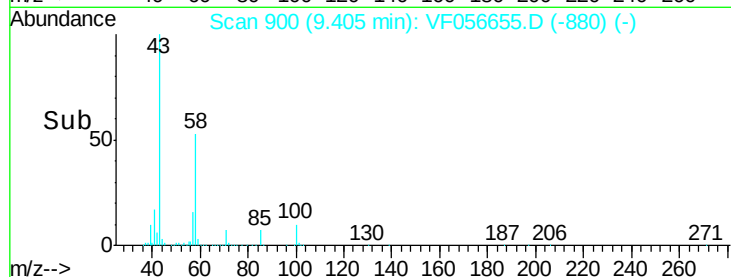
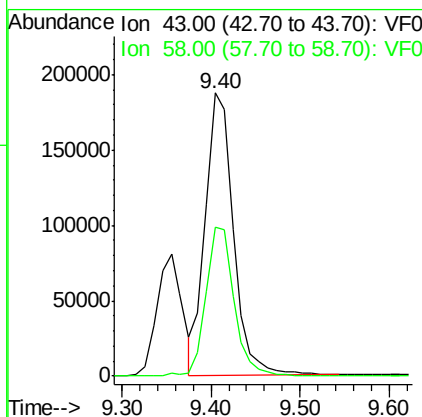
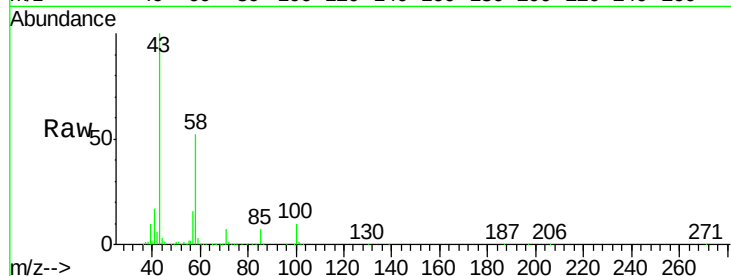
#59
2-Hexanone
Concen: 104.55 ug/l
RT: 9.40 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion: 43 Resp: 409577
Ion Ratio Lower Upper
43 100
58 52.5 26.6 79.7

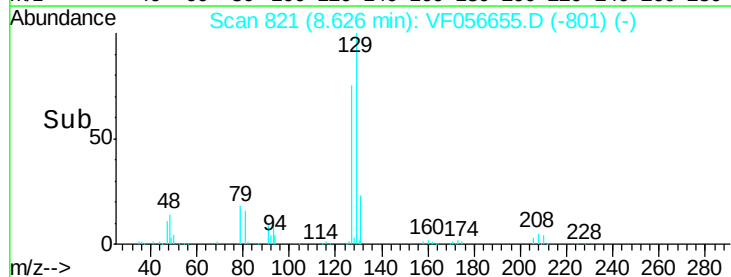
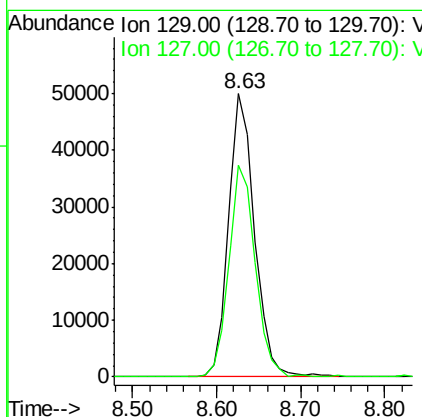
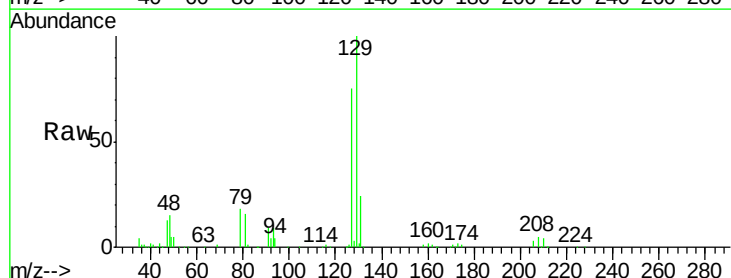
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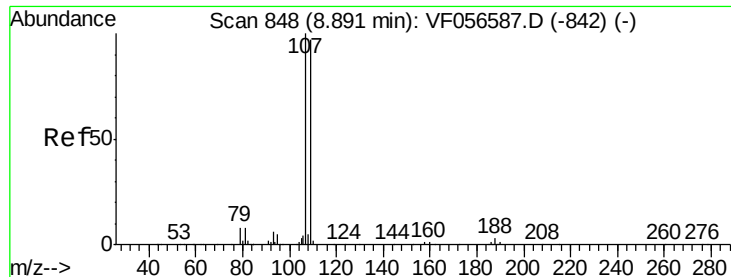
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#60
Dibromochloromethane
Concen: 20.56 ug/l
RT: 8.63 min Scan# 821
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion: 129 Resp: 107376
Ion Ratio Lower Upper
129 100
127 74.9 40.2 120.5





#61

1,2-Dibromoethane

Concen: 20.63 ug/l

RT: 8.90 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 107 Resp: 102881

Ion Ratio Lower Upper

107 100

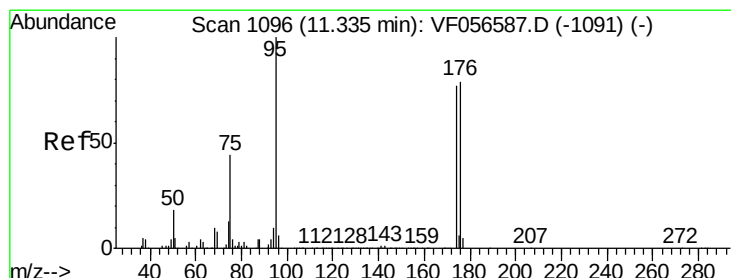
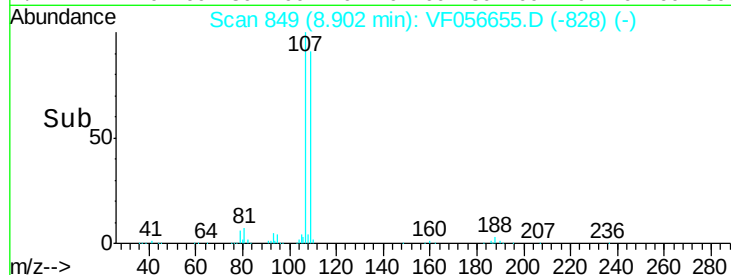
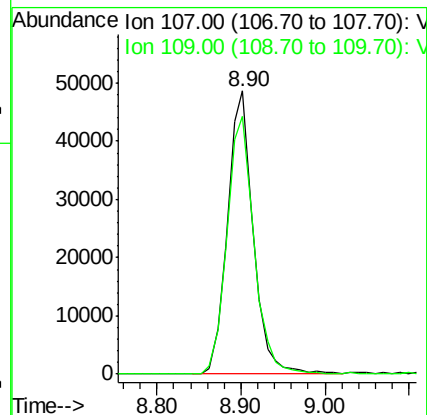
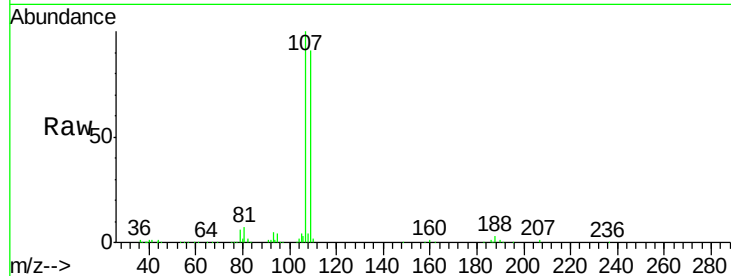
109 91.1 77.4 116.0

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#62

4-Bromofluorobenzene

Concen: 51.47 ug/l

RT: 11.34 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

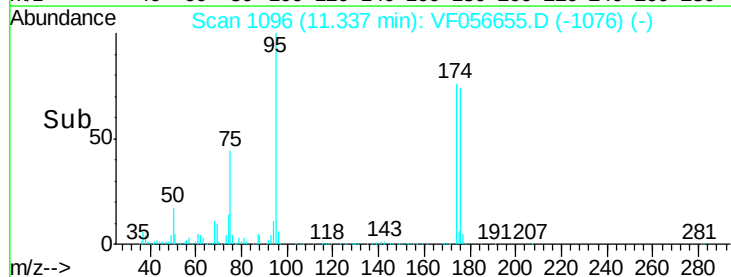
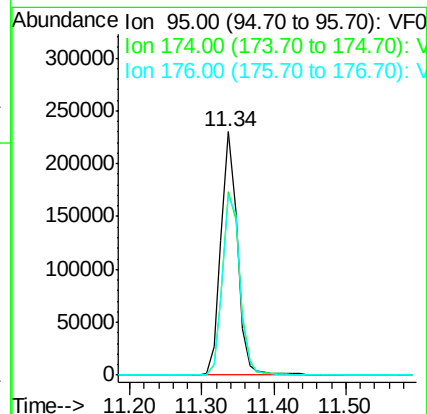
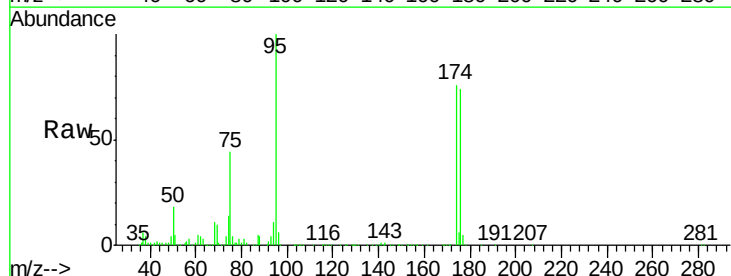
Tgt Ion: 95 Resp: 360855

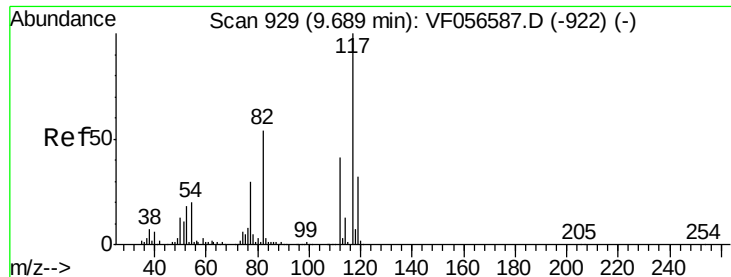
Ion Ratio Lower Upper

95 100

174 75.5 0.0 154.2

176 73.8 0.0 157.2





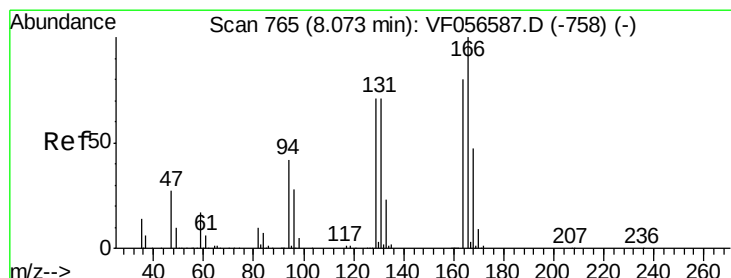
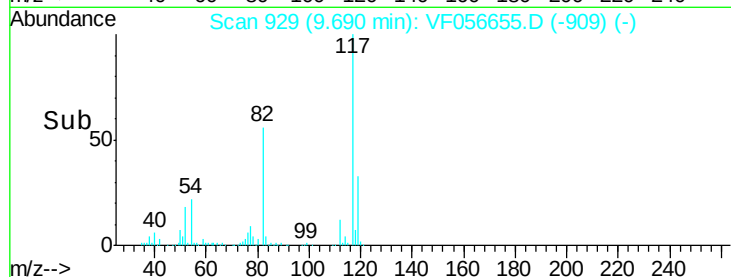
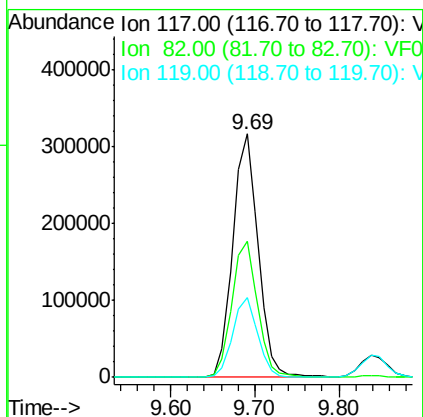
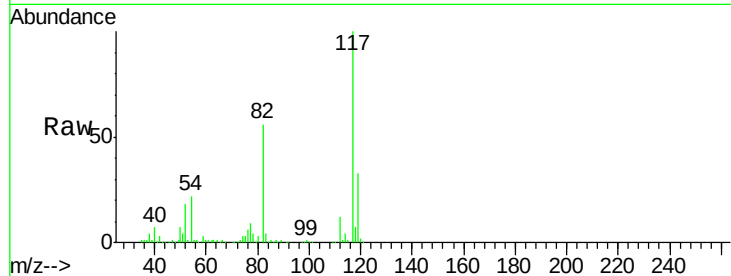
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.69 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	664026		
82	55.8	43.0	64.6	
119	33.0	25.5	38.3	

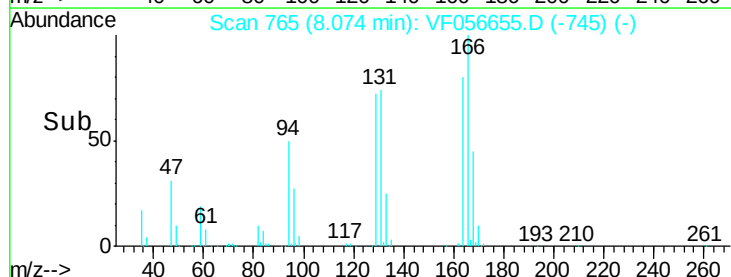
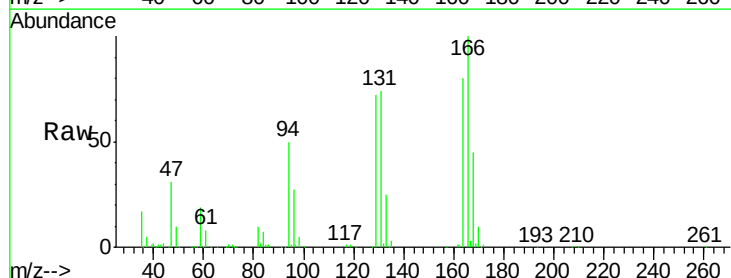
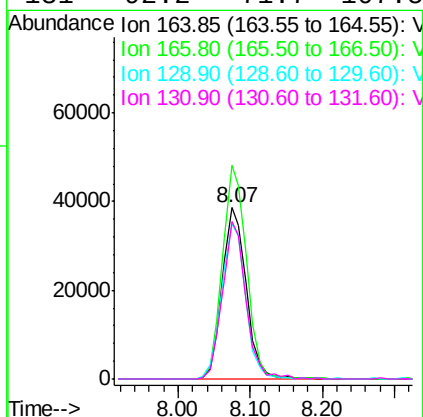
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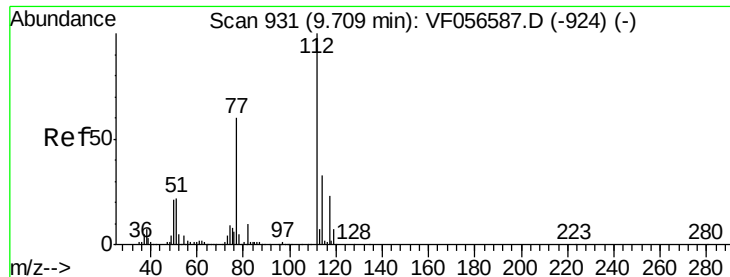
apatel
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#64
Tetrachloroethene
Concen: 18.62 ug/l
RT: 8.07 min Scan# 765
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89008		
166	124.7	100.3	150.5	
129	90.3	71.4	107.0	
131	92.2	71.7	107.5	





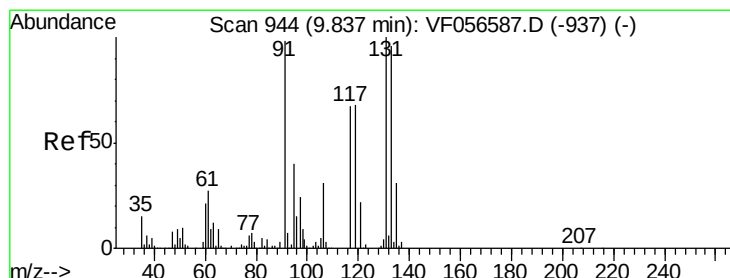
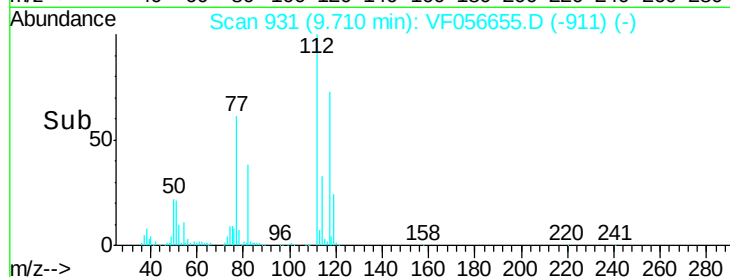
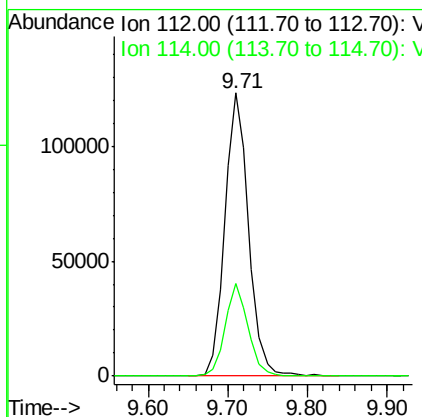
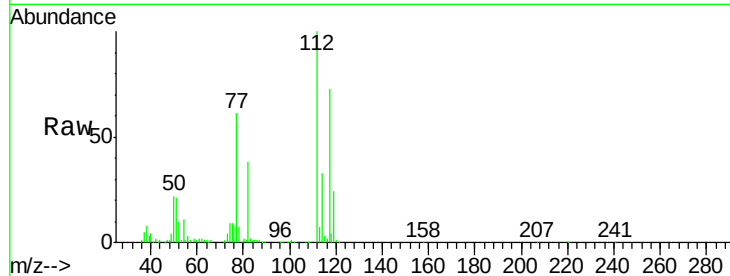
#65
Chlorobenzene
Concen: 19.81 ug/l
RT: 9.71 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion:112 Resp: 257729
Ion Ratio Lower Upper
112 100
114 32.7 26.6 40.0

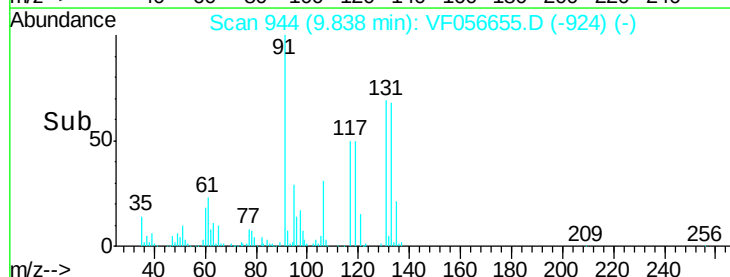
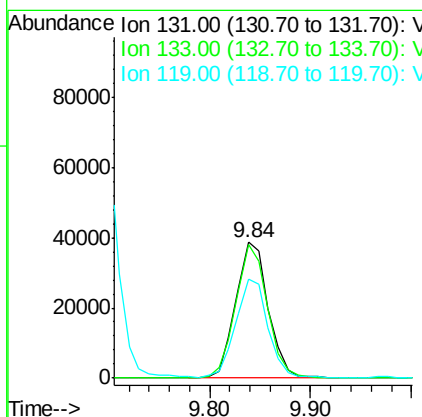
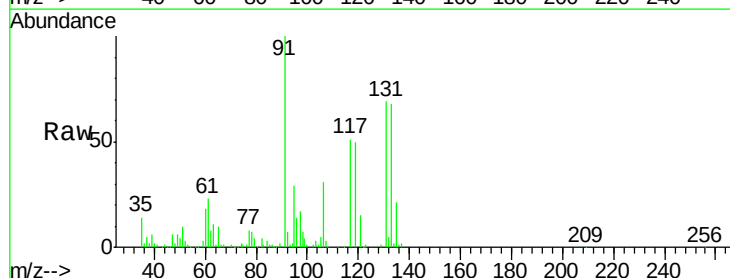
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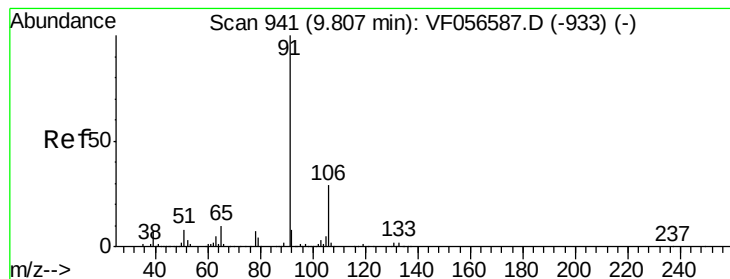
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.25 ug/l
RT: 9.84 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion:131 Resp: 86339
Ion Ratio Lower Upper
131 100
133 98.7 48.2 144.6
119 72.9 34.0 101.8





#67

Ethyl Benzene

Concen: 19.90 ug/l

RT: 9.82 min Scan# 942

Delta R.T. 0.01 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 91 Resp: 441533

Ion Ratio Lower Upper

91 100

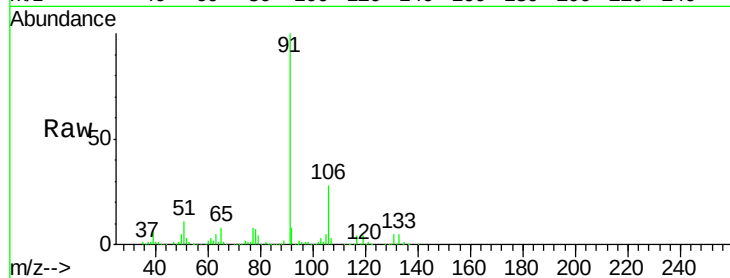
106 28.4 23.2 34.8

Manual Integrations

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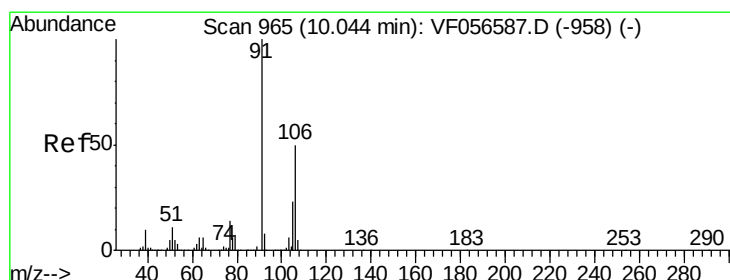
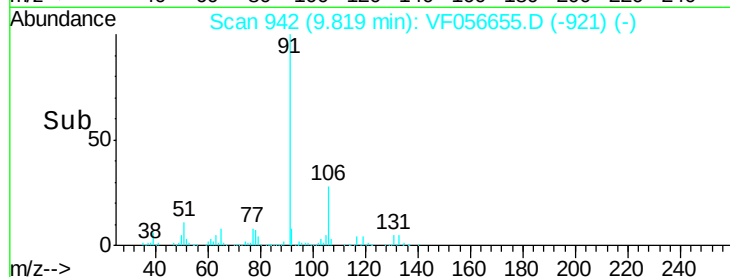
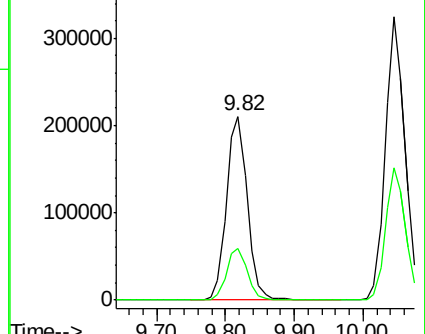
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.07 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF056655.D

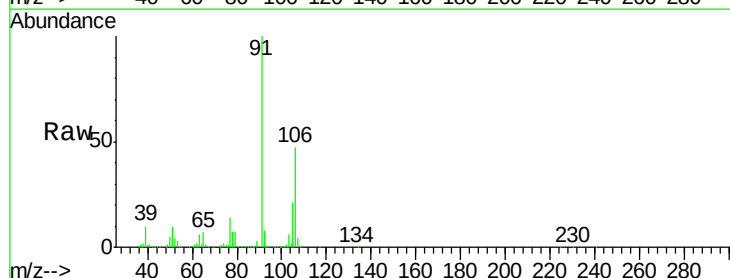
Acq: 23 Feb 2018 14:43

Tgt Ion: 106 Resp: 308968

Ion Ratio Lower Upper

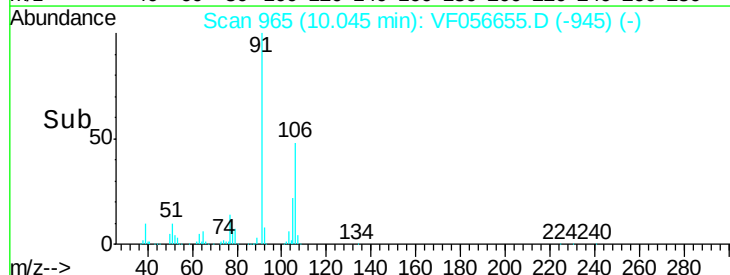
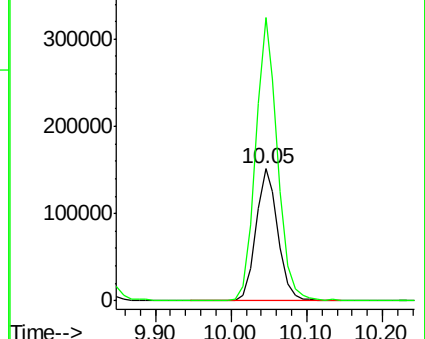
106 100

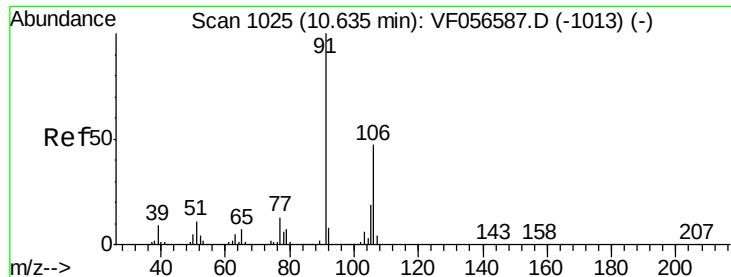
91 214.1 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





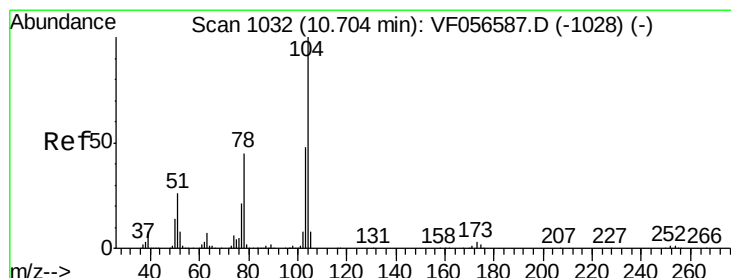
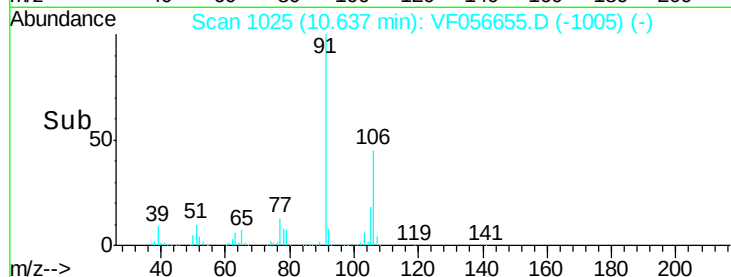
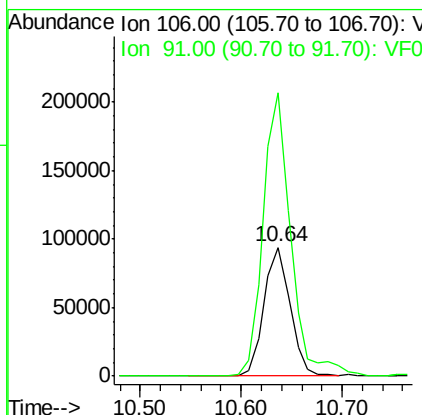
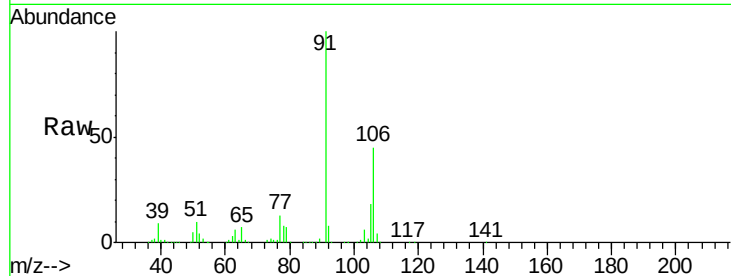
#69
o-Xylene
Concen: 20.22 ug/l
RT: 10.64 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion:106 Resp: 170352
Ion Ratio Lower Upper
106 100
91 220.2 107.6 322.8

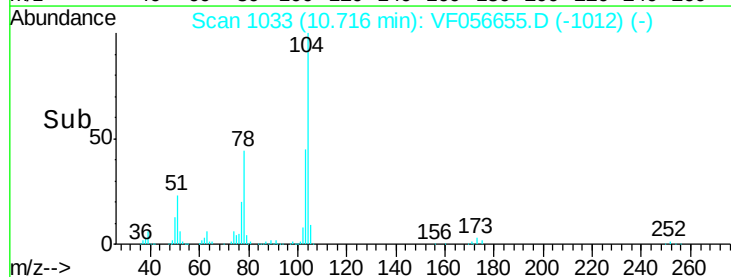
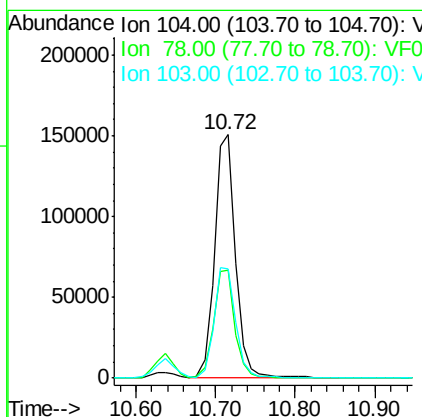
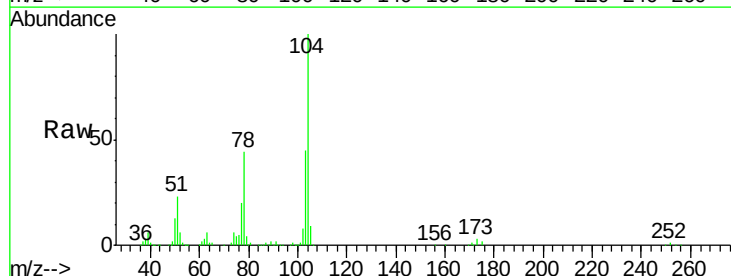
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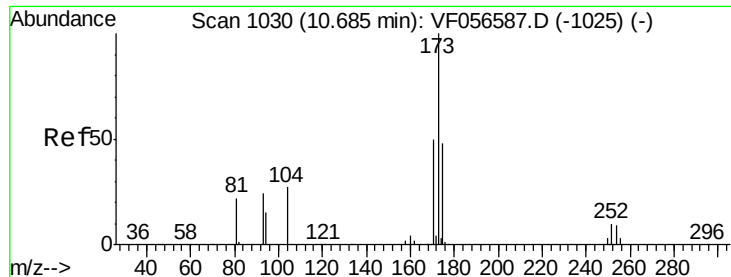
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#70
Styrene
Concen: 20.76 ug/l
RT: 10.72 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion:104 Resp: 277114
Ion Ratio Lower Upper
104 100
78 44.5 36.4 54.6
103 44.6 38.7 58.1





#71

Bromoform

Concen: 19.46 ug/l

RT: 10.69 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

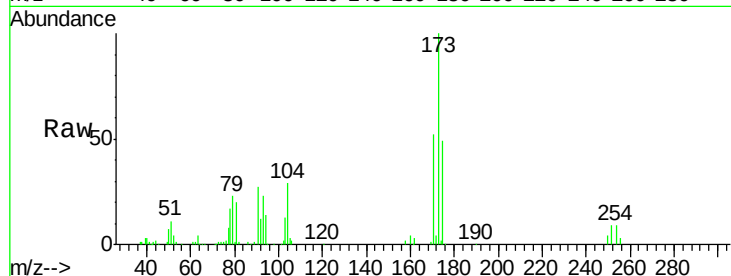
ClientSampleId :

VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.0	72.0
254	9.0	7.5	11.3

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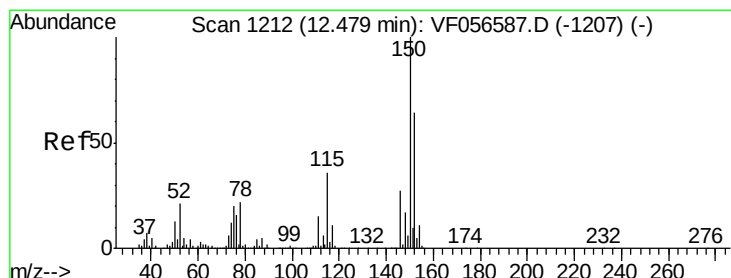
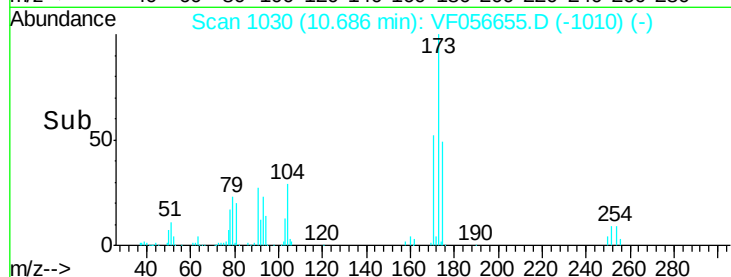
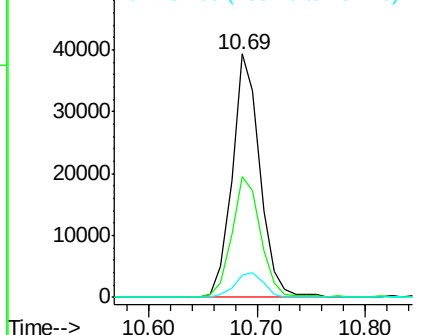


Abundance

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: VF056655.D

Acq: 23 Feb 2018 14:43

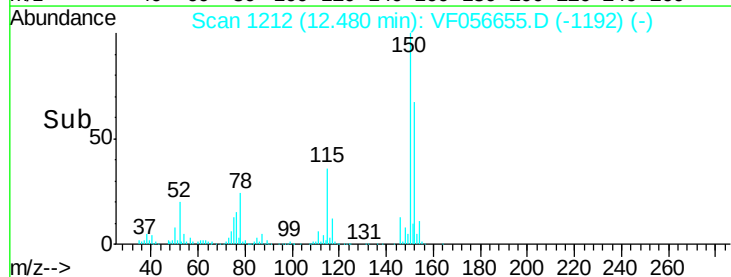
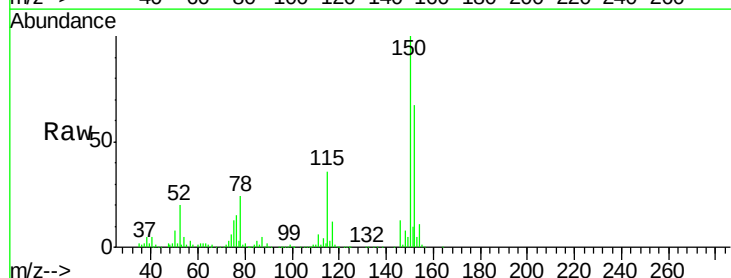
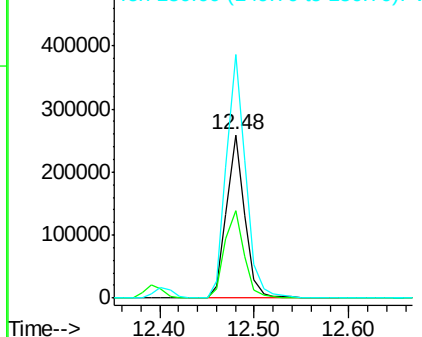
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	28.1	84.3
150	149.0	0.0	315.6

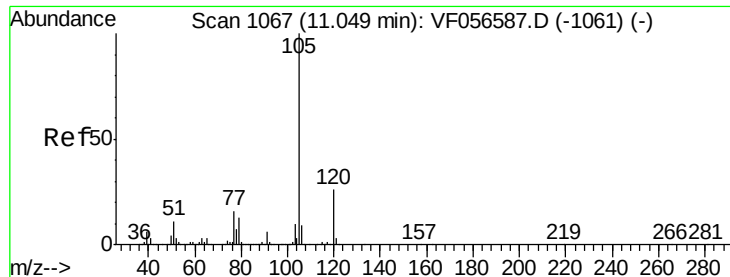
Abundance

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: 20.11 ug/l

RT: 11.05 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 105 Resp: 460973

Ion Ratio Lower Upper

105 100

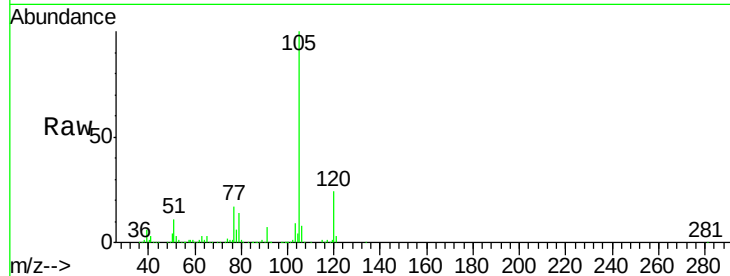
120 23.7 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.05

250000

200000

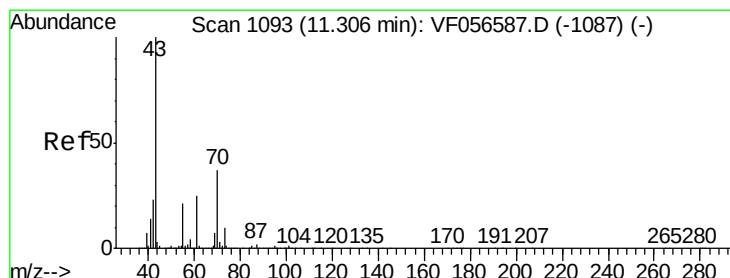
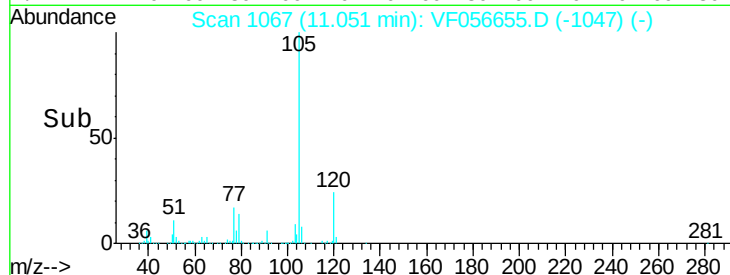
150000

100000

50000

0

Time--> 10.90 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 18.76 ug/l

RT: 11.31 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion: 43 Resp: 192402

Ion Ratio Lower Upper

43 100

70 36.4 29.5 44.3

55 21.1 17.0 25.4

61 28.8 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

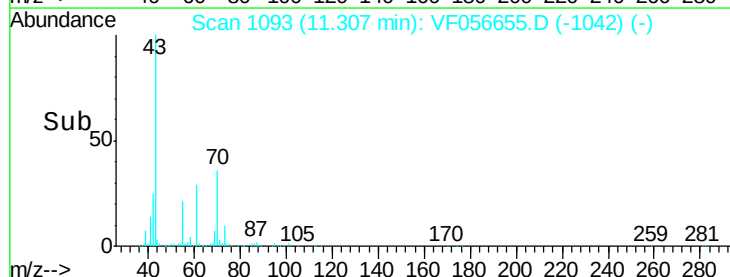
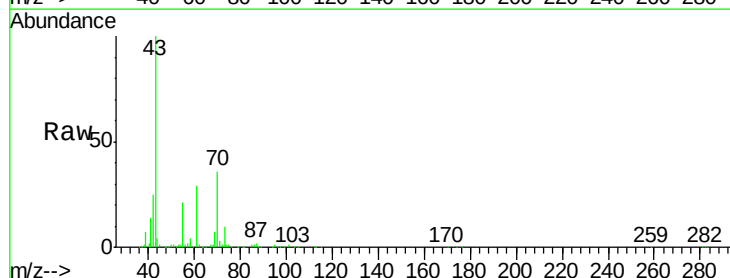
150000

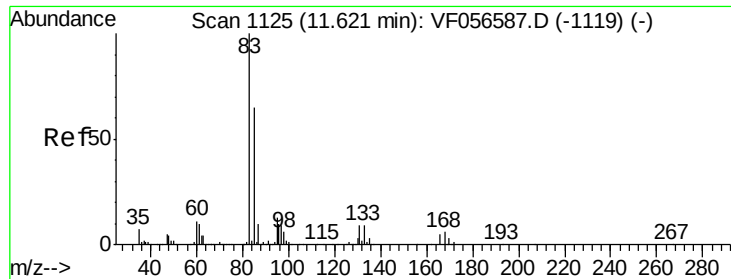
100000

50000

0

Time--> 11.20 11.30 11.40





#75

1,1,2,2-Tetrachloroethane

Concen: 19.87 ug/l

RT: 11.62 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBS01

Tgt Ion: 83 Resp: 137788

Ion Ratio Lower Upper

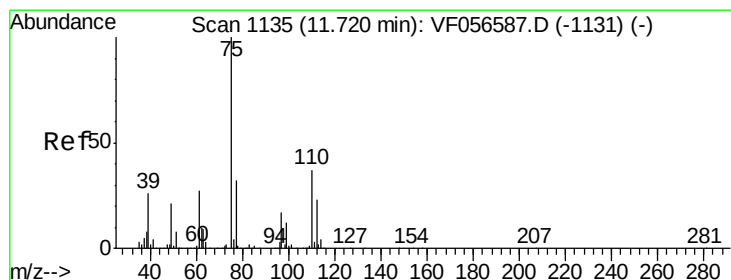
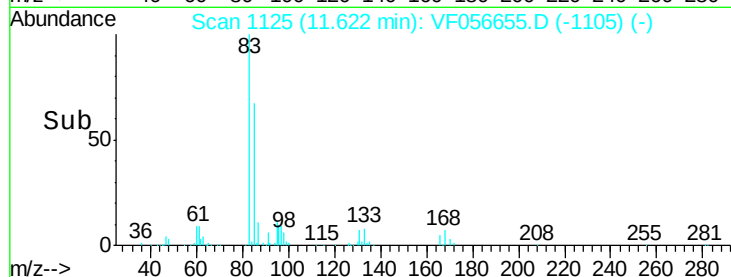
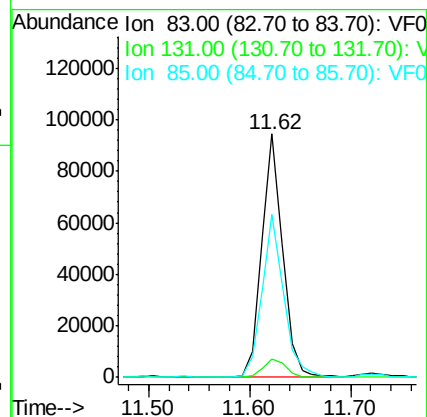
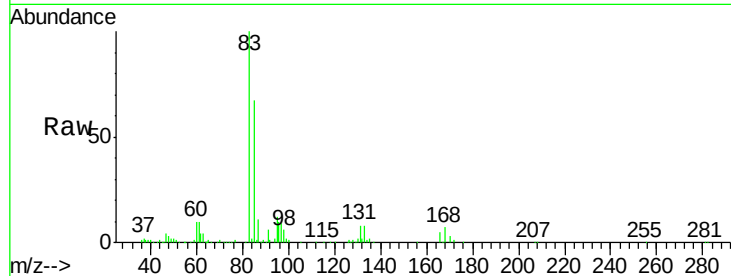
83 100

131 7.8 4.5 13.4

85 66.8 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 20.43 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF056655.D

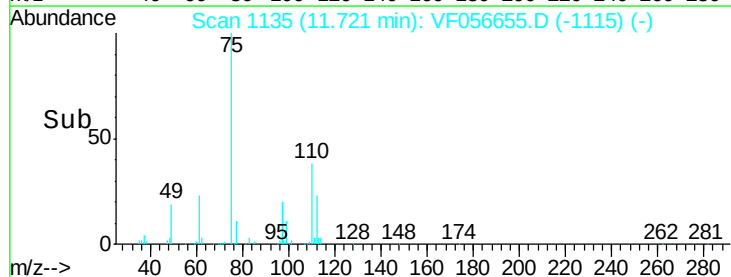
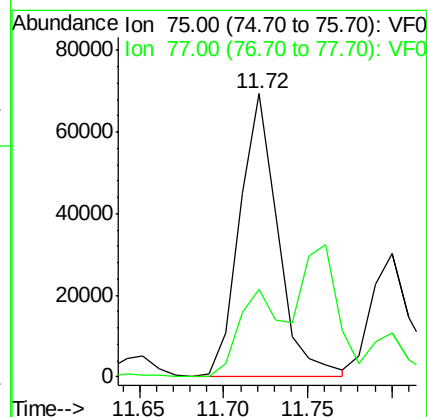
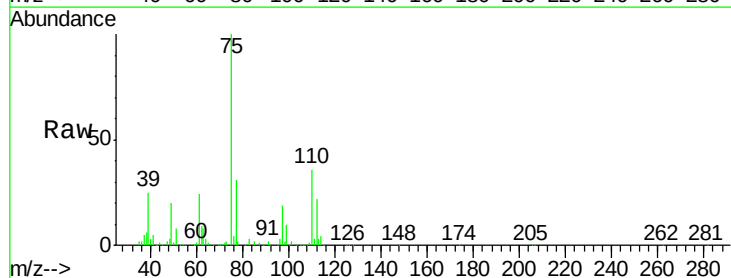
Acq: 23 Feb 2018 14:43

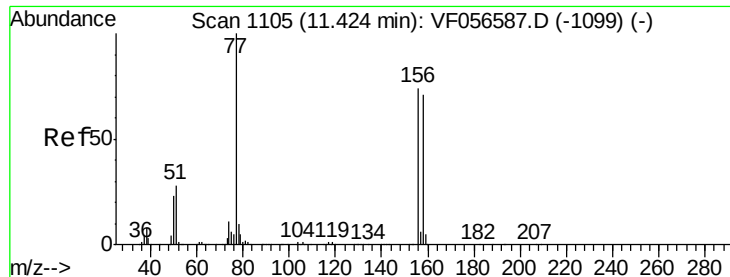
Tgt Ion: 75 Resp: 108722

Ion Ratio Lower Upper

75 100

77 30.9 16.0 48.0





#77

Bromobenzene

Concen: 19.45 ug/l

RT: 11.43 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

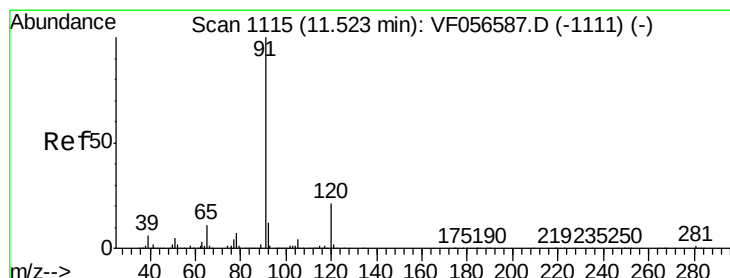
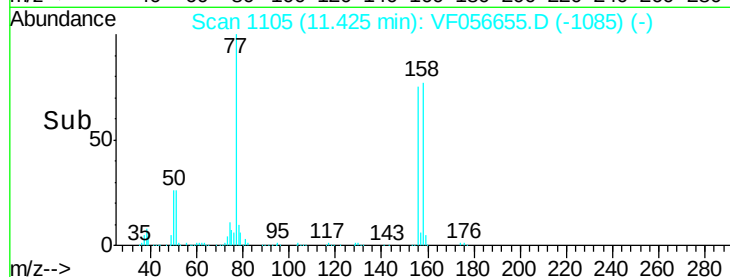
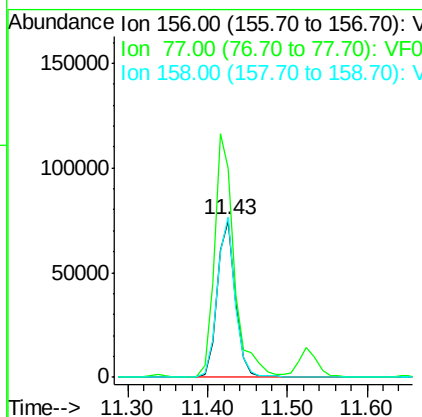
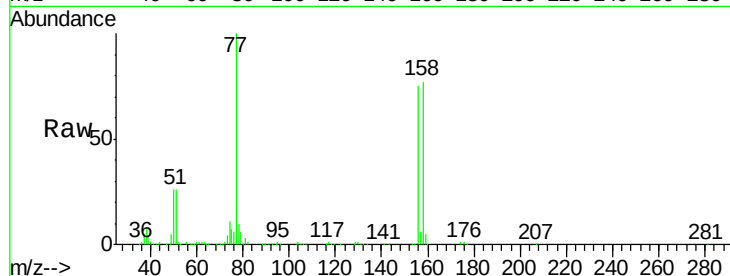
ClientSampleId :

VF0223SBS01

Tgt Ion:	156	Resp:	120950
Ion Ratio	Lower	Upper	
156	100		
77	133.4	67.3	201.8
158	102.8	48.0	144.2

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#78

n-propylbenzene

Concen: 20.19 ug/l

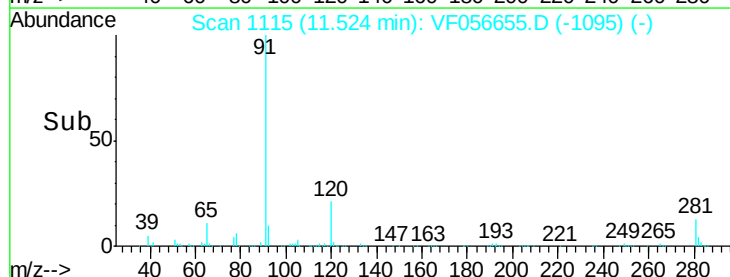
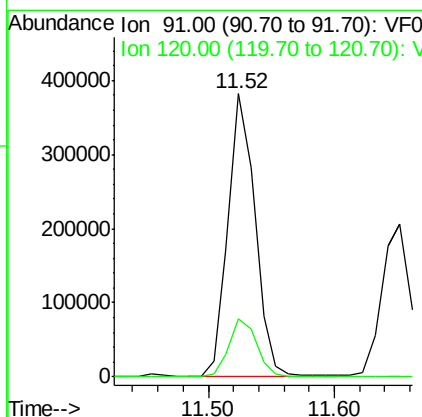
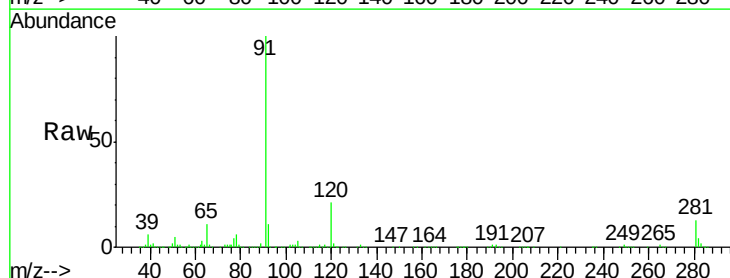
RT: 11.52 min Scan# 1115

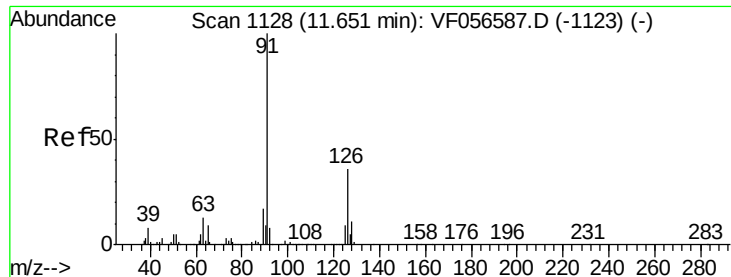
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	91	Resp:	570116
Ion Ratio	Lower	Upper	
91	100		
120	20.5	10.7	31.9





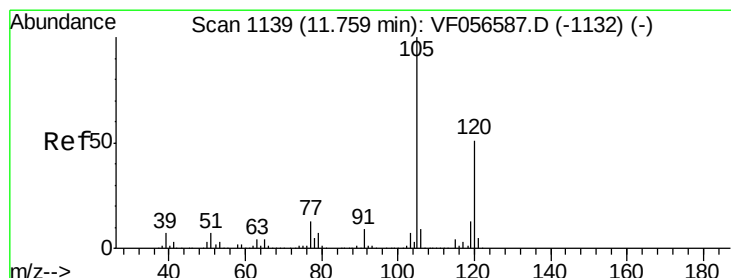
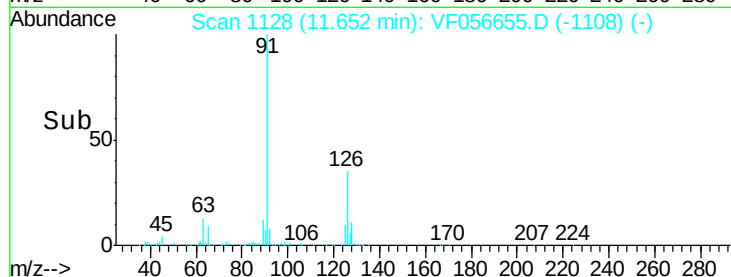
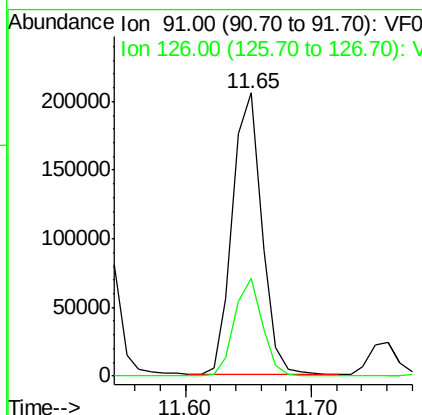
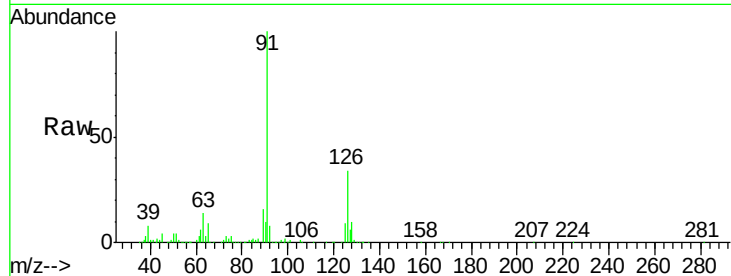
#79
 2-Chlorotoluene
 Concen: 19.84 ug/l
 RT: 11.65 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion: 91 Resp: 329960
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.8 53.3

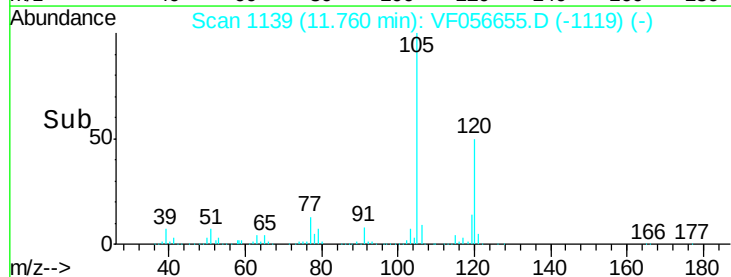
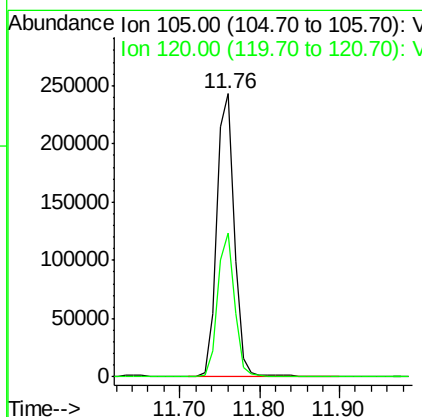
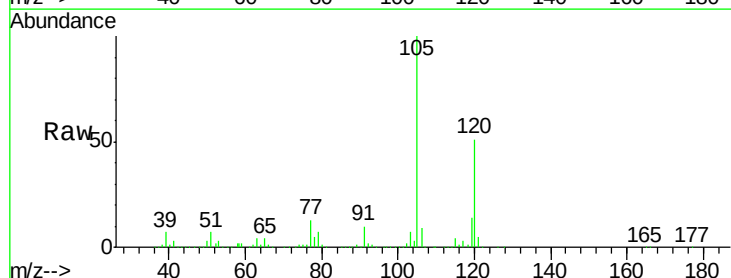
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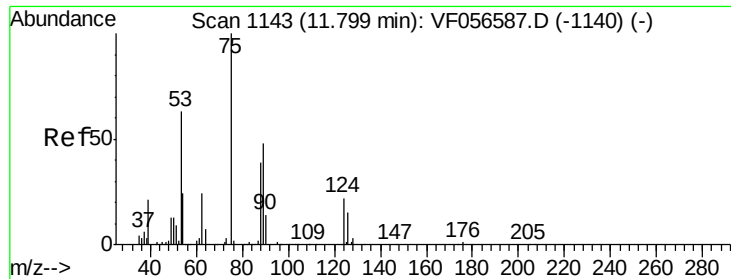
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.02 ug/l
 RT: 11.76 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion: 105 Resp: 380372
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.4 76.0





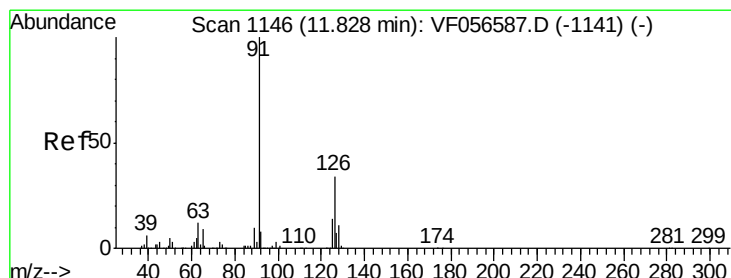
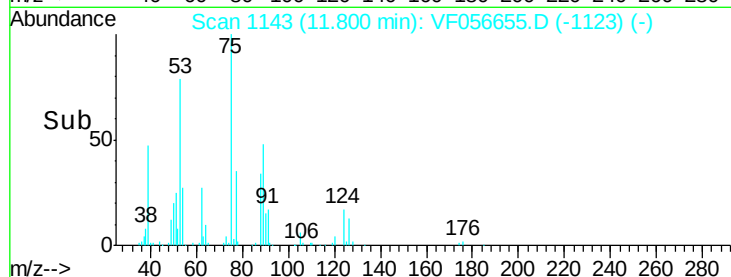
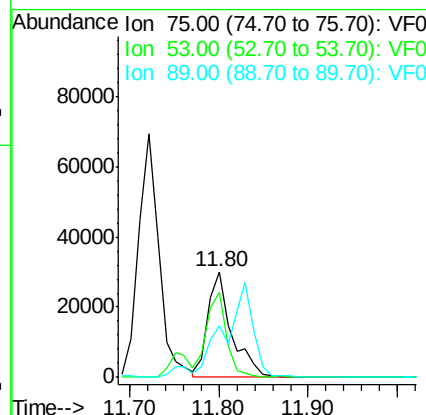
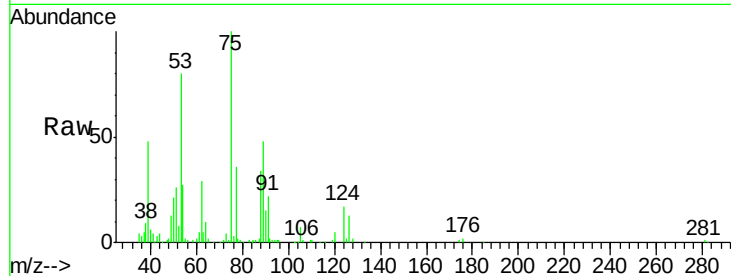
#81
trans-1,4-Dichloro-2-butene
Concen: 19.22 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	79.7	55.4	83.0
89	48.3	40.4	60.6

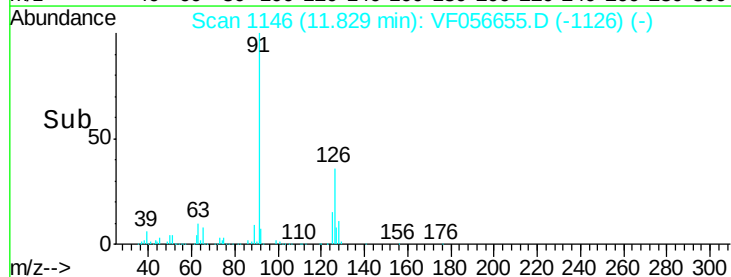
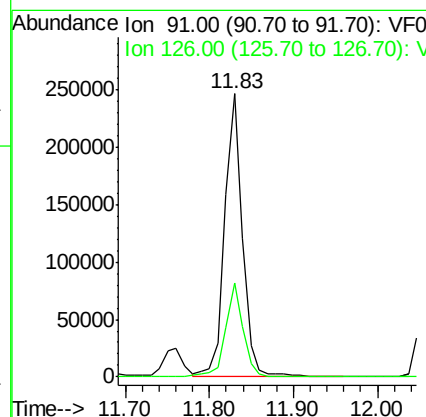
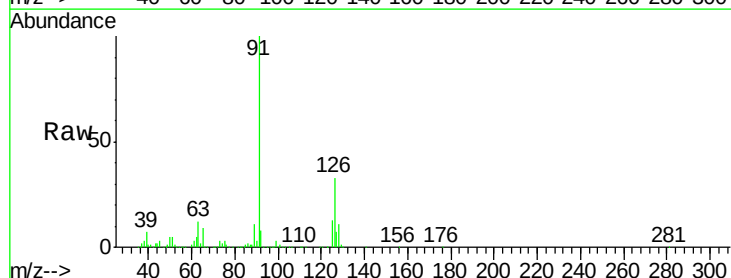
Manual Integrations
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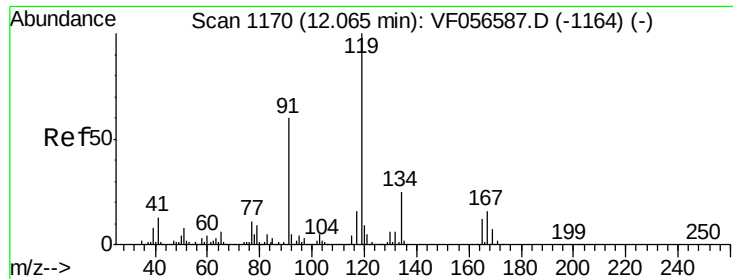
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#82
4-Chlorotoluene
Concen: 19.90 ug/l
RT: 11.83 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	17.1	51.3





#83

tert-Butylbenzene

Concen: 20.26 ug/l

RT: 12.07 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

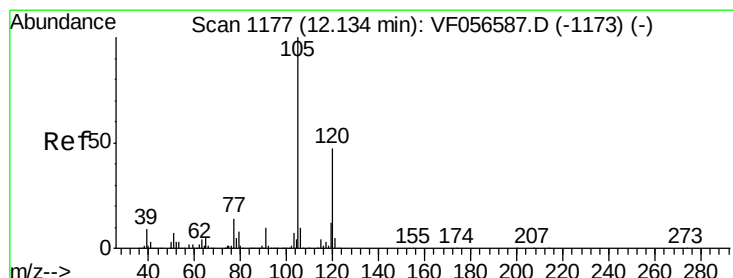
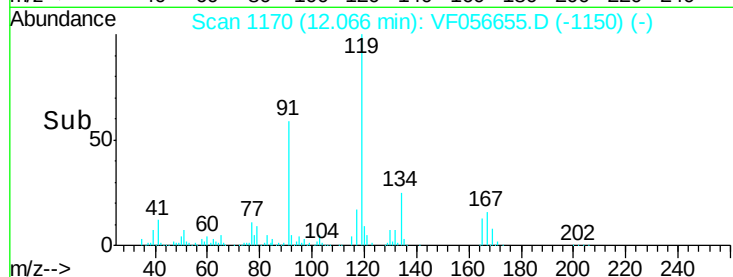
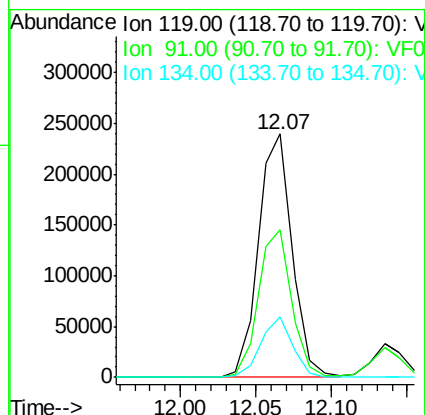
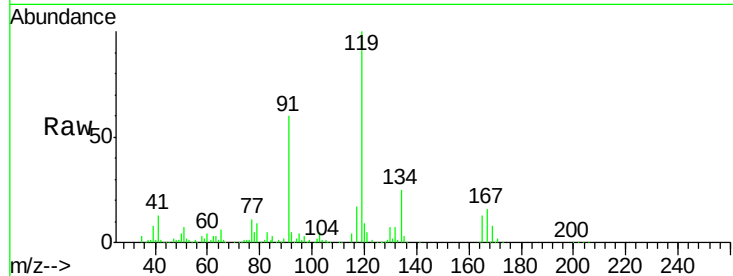
ClientSampleId :

VF0223SBS01

Tgt Ion:	119	Resp:	372606
Ion Ratio	Lower	Upper	
119	100		
91	60.5	29.8	89.4
134	24.9	12.4	37.4

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#84

1,2,4-Trimethylbenzene

Concen: 19.95 ug/l

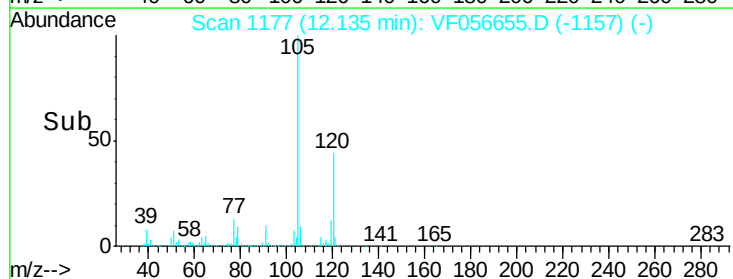
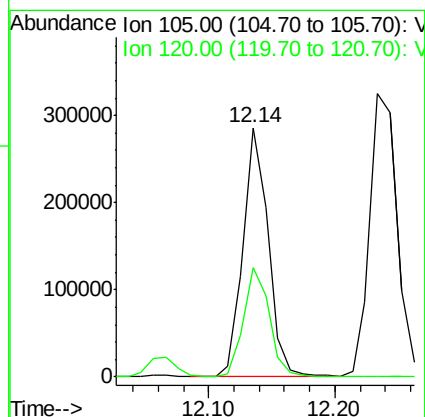
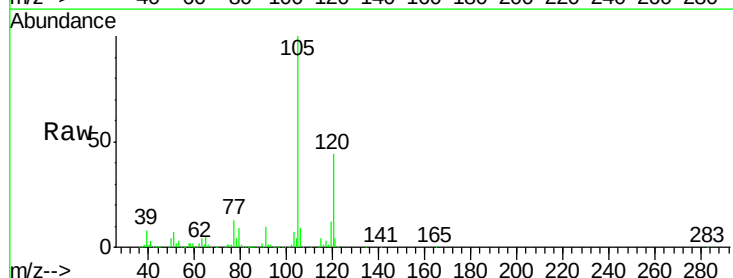
RT: 12.14 min Scan# 1177

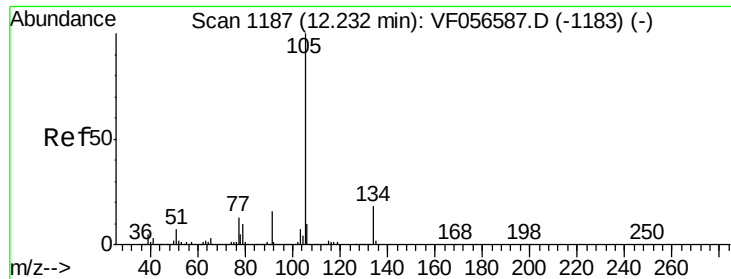
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	105	Resp:	395165
Ion Ratio	Lower	Upper	
105	100		
120	43.6	23.5	70.5





#85

sec-Butylbenzene

Concen: 19.71 ug/l

RT: 12.23 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

ClientSampleId :

VF0223SBSD01

Tgt Ion:105 Resp: 499224

Ion Ratio Lower Upper

105 100

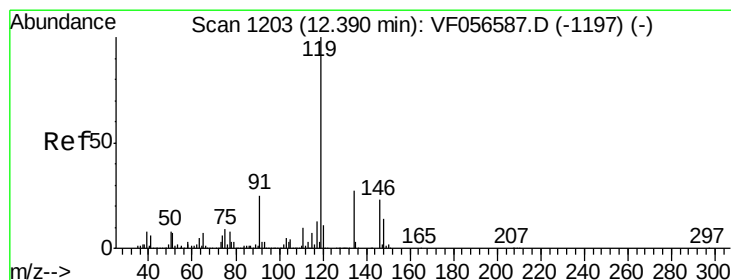
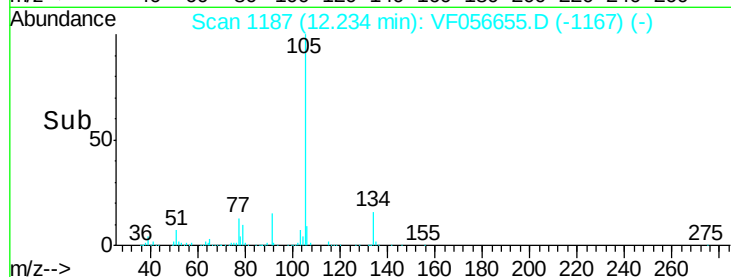
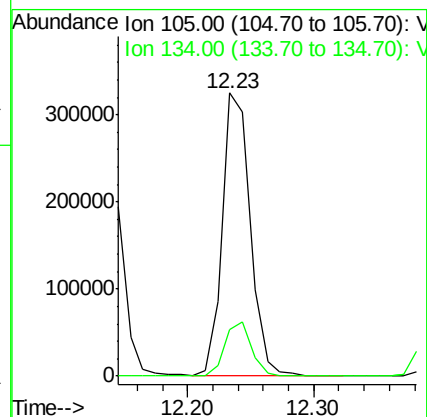
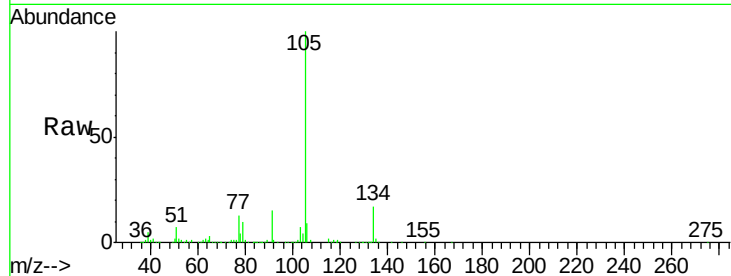
134 16.5 9.1 27.3

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#86

p-Isopropyltoluene

Concen: 20.06 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

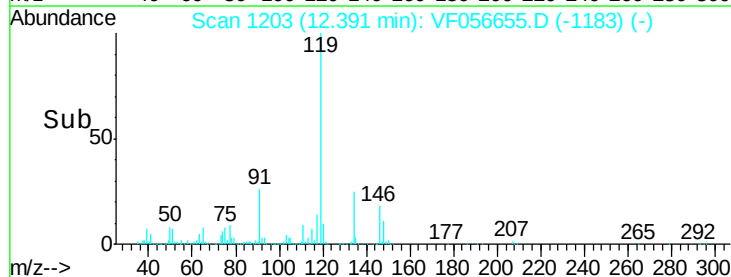
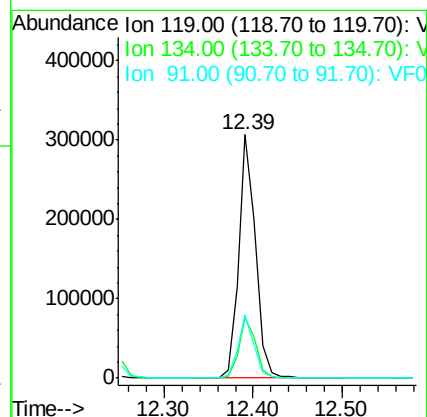
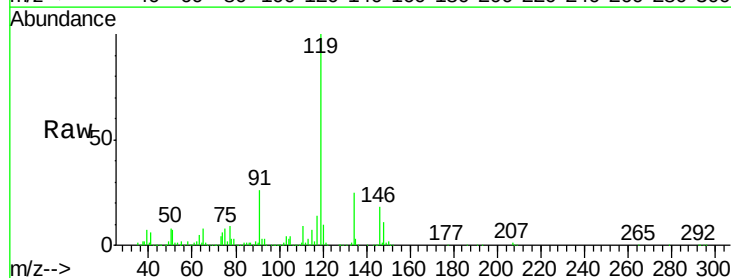
Tgt Ion:119 Resp: 407836

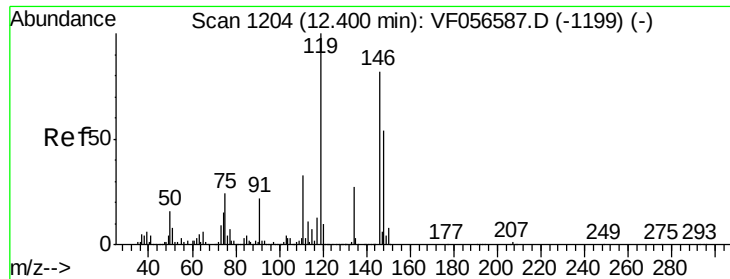
Ion Ratio Lower Upper

119 100

134 24.9 13.4 40.2

91 25.8 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 19.55 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

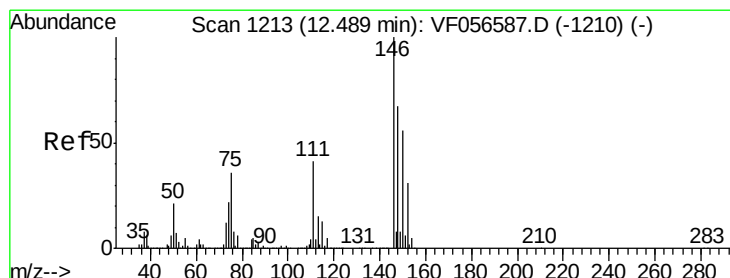
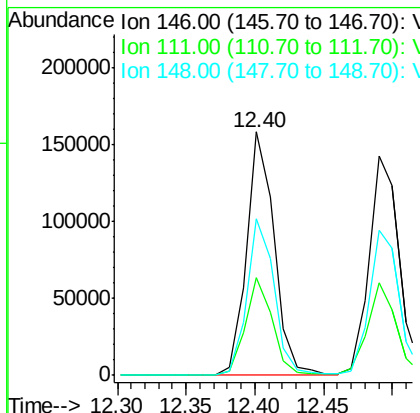
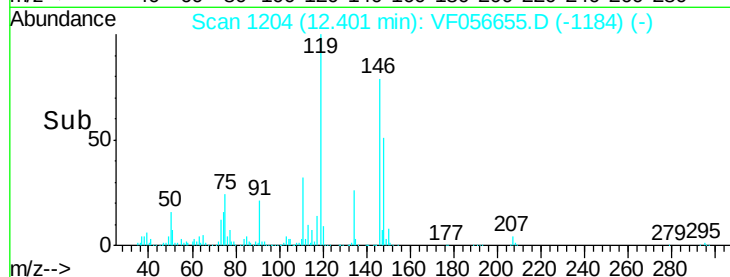
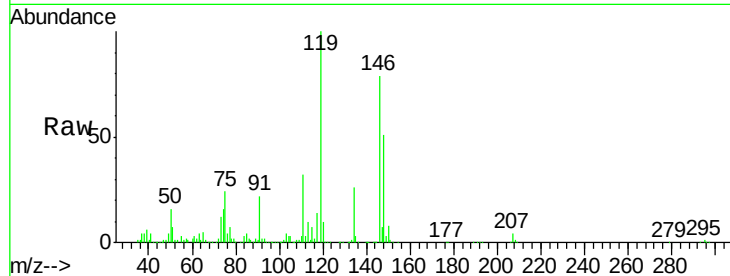
ClientSampleId :

VF0223SBS01

Tgt	Ion	146	Resp:	223634
Ion	Ratio	Lower	Upper	
146	100			
111	40.2	20.0	60.0	
148	64.4	32.6	97.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.79 ug/l

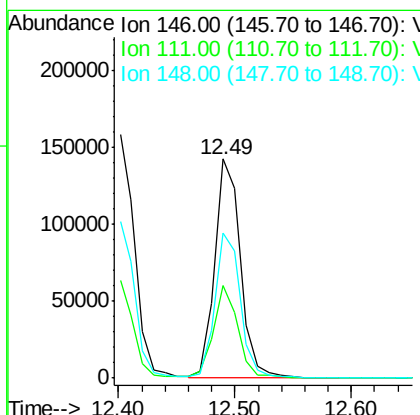
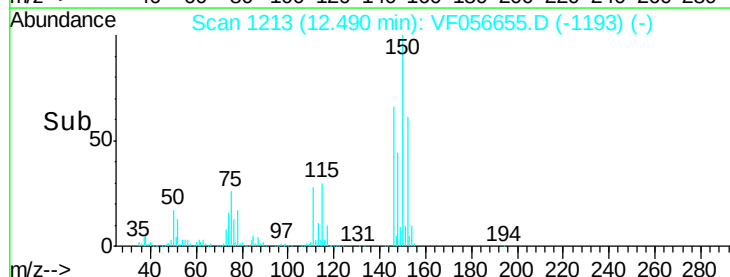
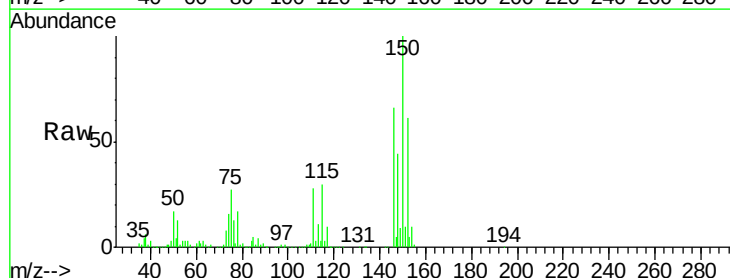
RT: 12.49 min Scan# 1213

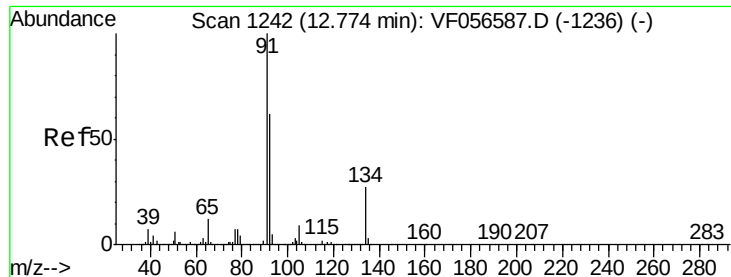
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt	Ion	146	Resp:	217288
Ion	Ratio	Lower	Upper	
146	100			
111	42.0	20.6	61.9	
148	66.4	33.4	100.2	





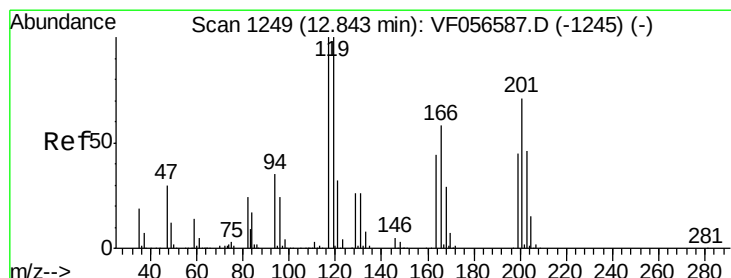
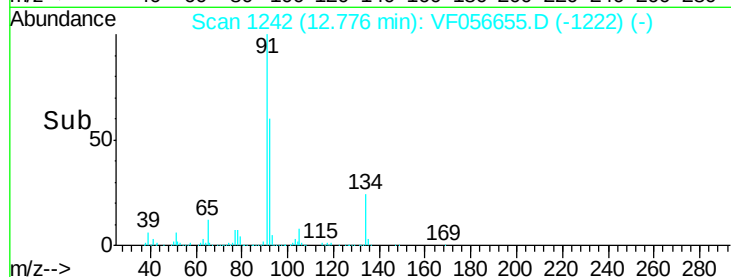
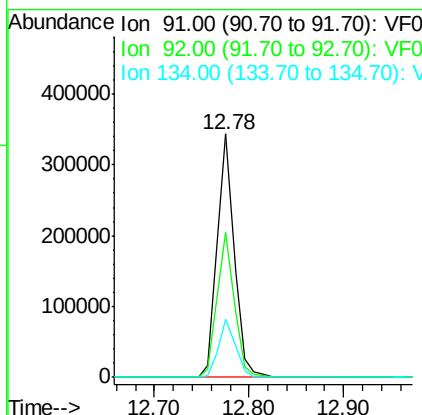
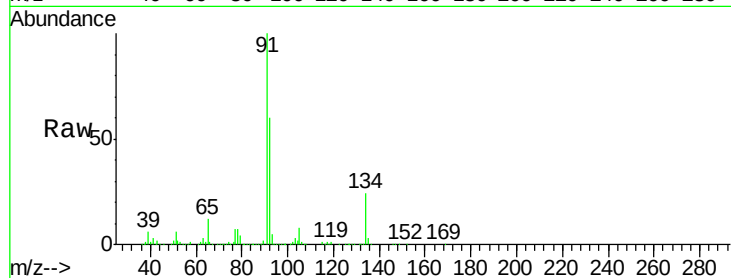
#89
n-Butylbenzene
Concen: 18.55 ug/l
RT: 12.78 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Instrument :
MSVOA_F
ClientSampleId :
VF0223SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.5	30.9	92.7
134	23.8	13.7	41.0

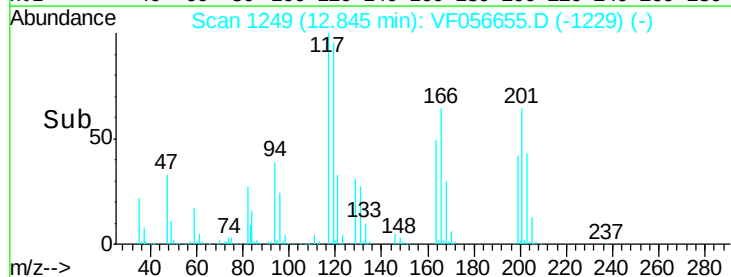
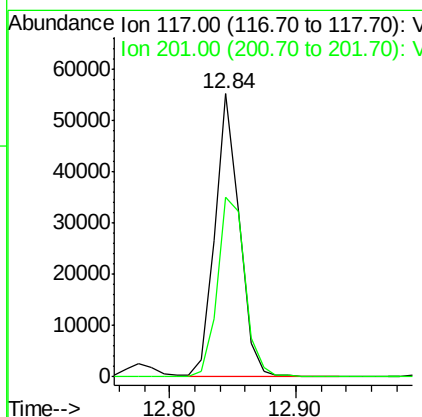
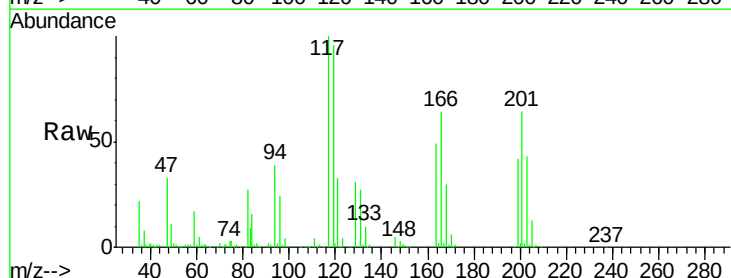
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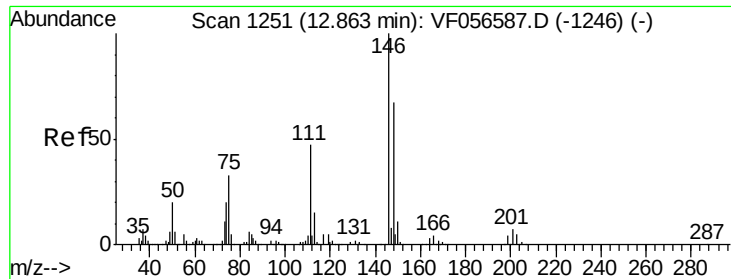
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#90
Hexachloroethane
Concen: 19.09 ug/l
RT: 12.84 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VF056655.D
Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.5	35.4	106.2





#91

1,2-Dichlorobenzene

Concen: 19.75 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

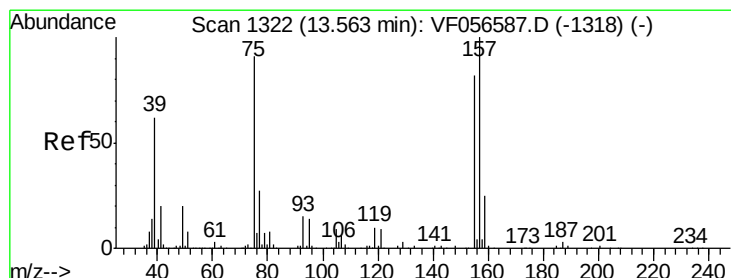
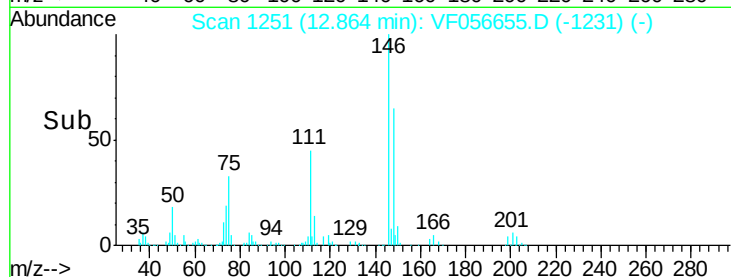
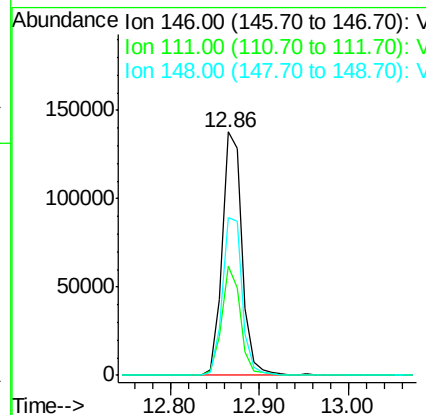
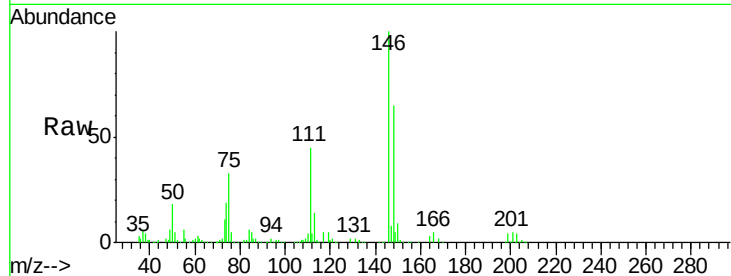
ClientSampleId :

VF0223SBS01

Tgt Ion:	146	Resp:	216711
Ion Ratio	Lower	Upper	
146	100		
111	44.7	23.4	70.3
148	64.9	33.6	100.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.29 ug/l

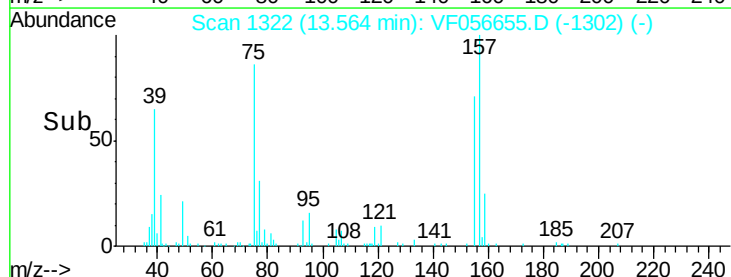
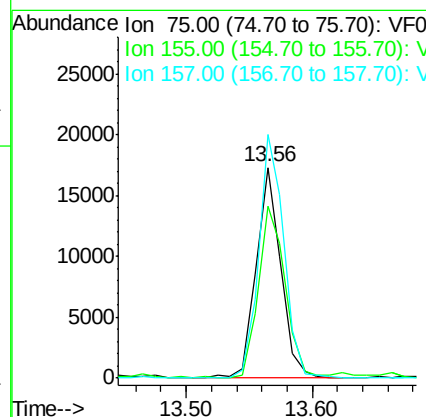
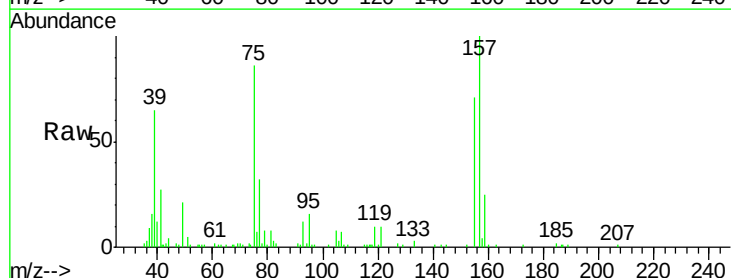
RT: 13.56 min Scan# 1322

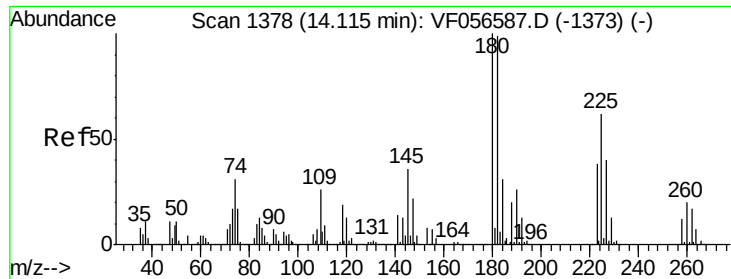
Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	75	Resp:	23631
Ion Ratio	Lower	Upper	
75	100		
155	82.0	45.1	135.3
157	115.6	54.9	164.8





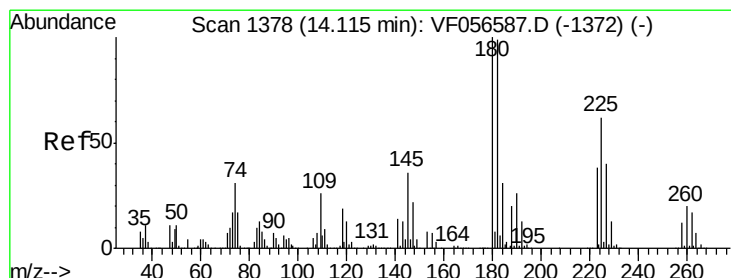
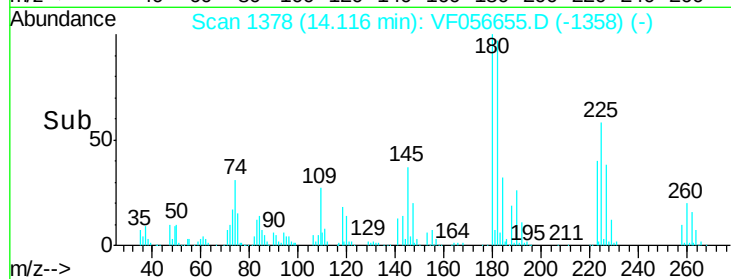
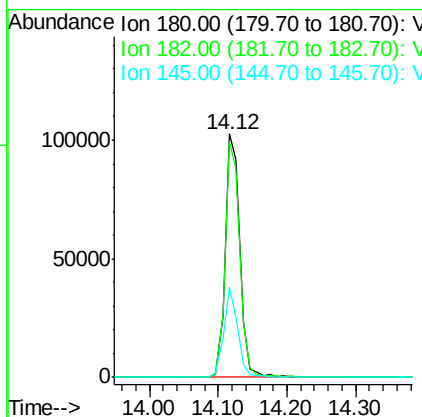
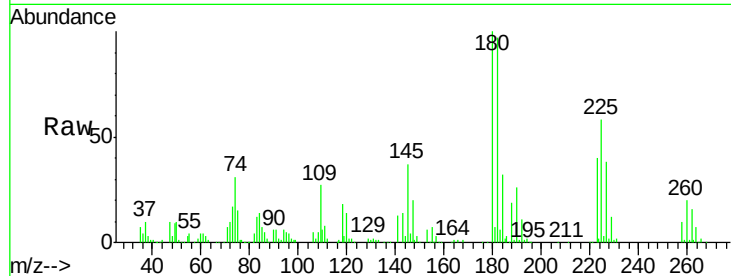
#93
 1,2,4-Trichlorobenzene
 Concen: 20.25 ug/l
 RT: 14.12 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0223SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	150806		
182	96.8	49.5	148.5	
145	36.8	17.8	53.5	

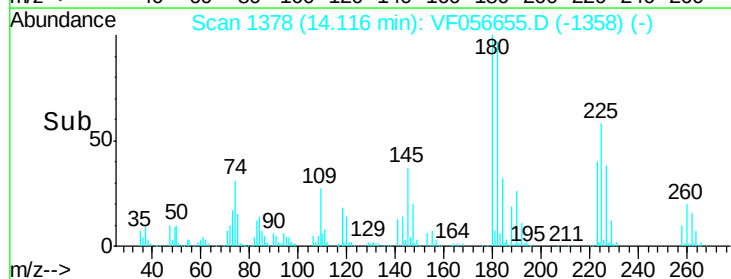
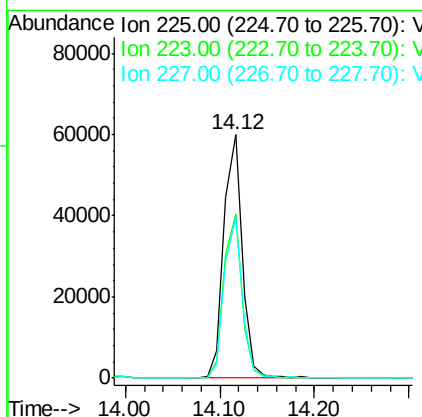
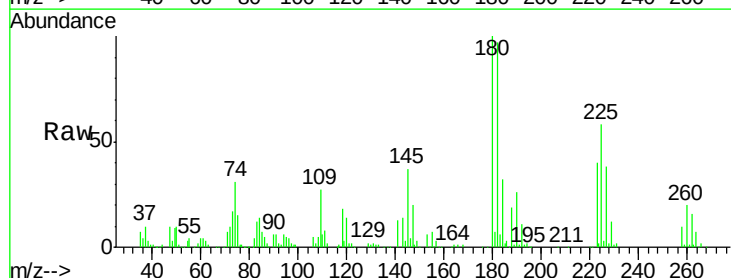
Manual Integrations
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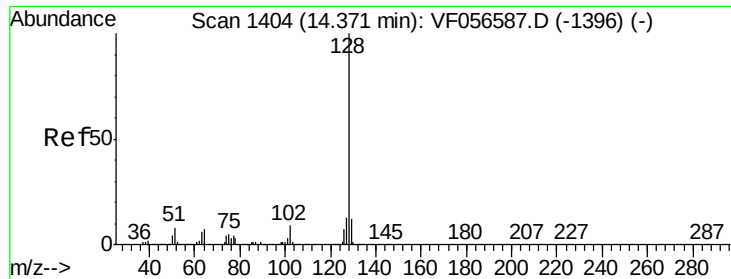
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#94
 Hexachlorobutadiene
 Concen: 19.02 ug/l
 RT: 14.12 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF056655.D
 Acq: 23 Feb 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80805		
223	67.7	31.1	93.3	
227	68.7	32.1	96.3	





#95

Naphthalene

Concen: 19.69 ug/l

RT: 14.37 min Scan# 1404

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Instrument :

MSVOA_F

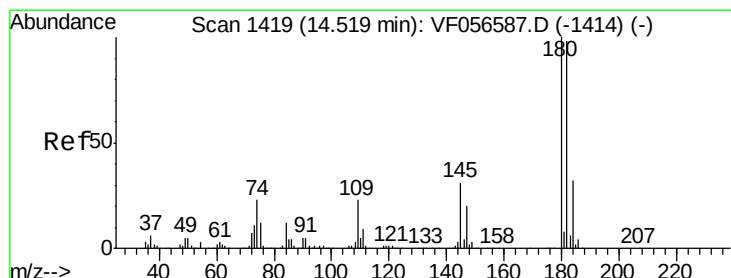
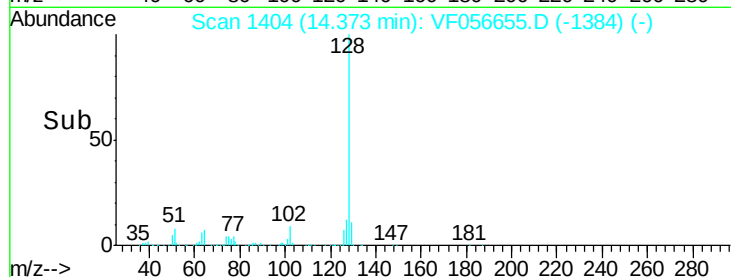
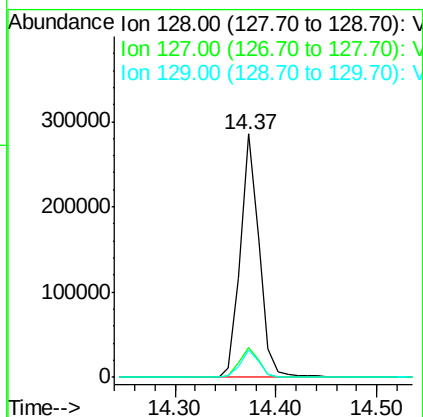
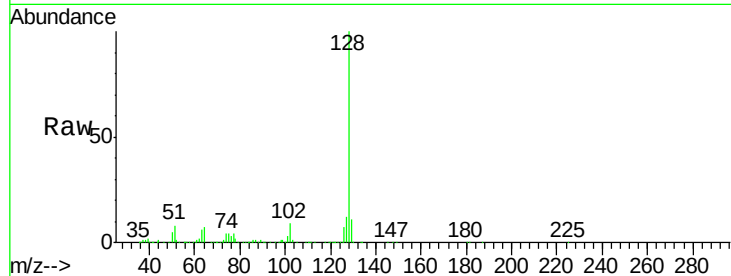
ClientSampleId :

VF0223SBS01

Tgt Ion:	128	Resp:	368982
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.3	15.5
129	11.2	9.4	14.0

Manual Integrations
APPROVED

apatel
2/26/2018 10:58:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.38 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF056655.D

Acq: 23 Feb 2018 14:43

Tgt Ion:	180	Resp:	139487
Ion Ratio	Lower	Upper	
180	100		
182	99.7	49.0	147.2
145	30.7	15.4	46.1

