

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059232.D
 Acq On : 20 Jun 2018 18:13
 Operator : VA/AP
 Sample : VF0620SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:45:50 AM

Quant Time: Jun 21 07:06:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	244539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	379119	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	384907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	241612	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	178154	60.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.14%	
35) Dibromofluoromethane	4.28	113	153105	57.55	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	115.10%	
50) Toluene-d8	7.70	98	393993	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.51	95	218596	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	57455	20.76	ug/l	86
3) Chloromethane	1.09	50	33992	15.86	ug/l	93
4) Vinyl Chloride	1.15	62	34925	18.06	ug/l	97
5) Bromomethane	1.33	94	20618	18.29	ug/l	86
6) Chloroethane	1.42	64	16817	20.95	ug/l	89
7) Trichlorofluoromethane	1.48	101	68160m	22.67	ug/l	
8) Diethyl Ether	1.70	74	16018	21.18	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	36336	18.96	ug/l	89
10) Methyl Iodide	1.97	142	68124	20.32	ug/l	93
11) Tert butyl alcohol	2.69	59	20641	108.62	ug/l #	87
12) 1,1-Dichloroethene	1.86	96	33071	20.52	ug/l	95
13) Acrolein	2.09	56	10401	63.24	ug/l	96
14) Allyl chloride	2.18	41	64127	20.28	ug/l	94
15) Acrylonitrile	3.09	53	42390	112.32	ug/l	98
16) Acetone	2.34	43	81691m	115.37	ug/l	
17) Carbon Disulfide	1.87	76	75601m	16.71	ug/l	
18) Methyl Acetate	2.45	43	23769m	19.53	ug/l	
19) Methyl tert-butyl Ether	2.54	73	115987	23.19	ug/l	98
20) Methylene Chloride	2.27	84	39371m	23.22	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	35993	20.37	ug/l	90
22) Diisopropyl ether	2.92	45	135542	21.80	ug/l	99
23) Vinyl Acetate	3.34	43	445445	108.67	ug/l	99
24) 1,1-Dichloroethane	2.99	63	85974	22.81	ug/l	98
25) 2-Butanone	4.51	43	108018	98.39	ug/l	100
26) 2,2-Dichloropropane	3.76	77	62164	22.73	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	54885	20.18	ug/l	92
28) Bromochloromethane	3.89	49	39458	23.26	ug/l #	99
29) Tetrahydrofuran	4.25	42	50720	104.85	ug/l	95
30) Chloroform	4.04	83	121341	22.51	ug/l	88
31) Cyclohexane	3.87	56	61944	18.81	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	89998	22.36	ug/l	93
36) 1,1-Dichloropropene	4.45	75	76441	20.80	ug/l	94
37) Ethyl Acetate	4.29	43	46660	20.55	ug/l	96
38) Carbon Tetrachloride	4.16	117	94144m	23.64	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	69851	18.65	ug/l	94
40) Benzene	4.80	78	172940	20.28	ug/l	98
41) Methacrylonitrile	4.91	41	21830	19.57	ug/l #	84
42) 1,2-Dichloroethane	5.11	62	94247	24.64	ug/l	97
43) Isopropyl Acetate	7.11	43	58970	19.39	ug/l #	93
44) Trichloroethene	5.67	130	61198	22.96	ug/l	100
45) 1,2-Dichloropropane	6.40	63	49636	20.18	ug/l	90
46) Dibromomethane	6.25	93	41938	22.66	ug/l	91
47) Bromodichloromethane	6.55	83	100903	23.97	ug/l	97
48) Methyl methacrylate	6.87	41	36824	19.64	ug/l	98
49) 1,4-Dioxane	6.86	88	5502	384.99	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	227752	109.27	ug/l	97
52) Toluene	7.77	92	130146	21.18	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	92736	22.75	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	96366	20.58	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	48776	21.91	ug/l	96
56) Ethyl methacrylate	8.76	69	58183	20.73	ug/l	96
57) 1,3-Dichloropropane	8.99	76	86088	22.61	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	25663	127.90	ug/l	100
59) 2-Hexanone	9.62	43	181789	110.27	ug/l	93
60) Dibromochloromethane	8.86	129	73174	22.87	ug/l	96
61) 1,2-Dibromoethane	9.13	107	57554	22.25	ug/l	99
64) Tetrachloroethene	8.30	164	59149	20.95	ug/l	94
65) Chlorobenzene	9.94	112	168224	22.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	68273	22.52	ug/l	97
67) Ethyl Benzene	10.04	91	279030	21.07	ug/l	100
68) m/p-Xylenes	10.26	106	203697	41.08	ug/l	90
69) o-Xylene	10.83	106	113159	21.12	ug/l	87
70) Styrene	10.90	104	176214	21.73	ug/l	98
71) Bromoform	10.89	173	47323	22.98	ug/l #	94
73) Isopropylbenzene	11.22	105	337832	20.20	ug/l	98
74) N-amyl acetate	11.46	43	113423	18.98	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	76449	19.28	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	58087	19.83	ug/l	92
77) Bromobenzene	11.60	156	86541	20.56	ug/l	84
78) n-propylbenzene	11.68	91	393931	19.90	ug/l	96
79) 2-Chlorotoluene	11.81	91	241199	20.62	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	292494	21.13	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	36499	19.22	ug/l	93
82) 4-Chlorotoluene	11.99	91	259792	20.86	ug/l	99
83) tert-Butylbenzene	12.22	119	289052	21.03	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	301551	21.02	ug/l	92
85) sec-Butylbenzene	12.38	105	418646	22.41	ug/l	99
86) p-Isopropyltoluene	12.54	119	335019	21.84	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	166421	21.41	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	157263	21.00	ug/l	98
89) n-Butylbenzene	12.92	91	345811	19.78	ug/l	95
90) Hexachloroethane	13.00	117	80058	21.19	ug/l	69
91) 1,2-Dichlorobenzene	13.02	146	167539	22.37	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15464	19.88	ug/l	75

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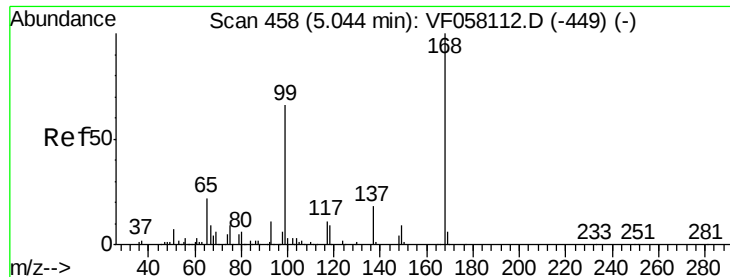
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	117217	22.38	ug/l	94
94) Hexachlorobutadiene	14.26	225	69599	22.96	ug/l	96
95) Naphthalene	14.52	128	230173	20.58	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	106243	21.95	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion:168 Resp: 244539

Ion Ratio Lower Upper

168 100

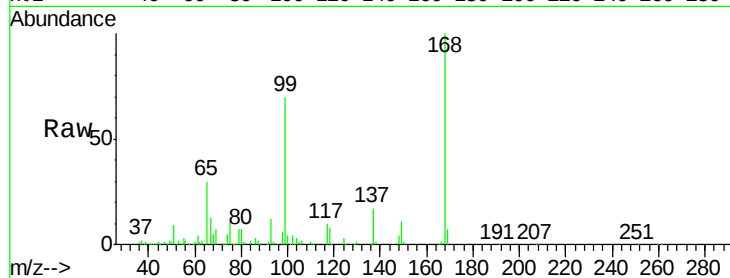
99 70.0 52.9 79.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

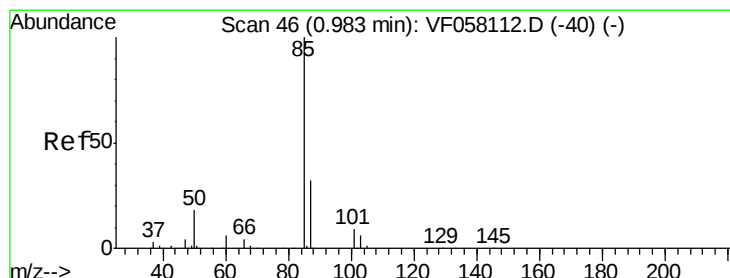
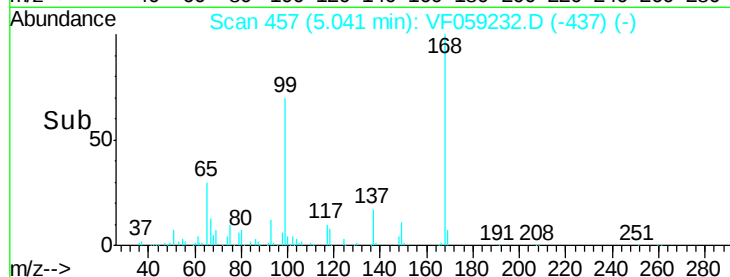
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.76 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059232.D

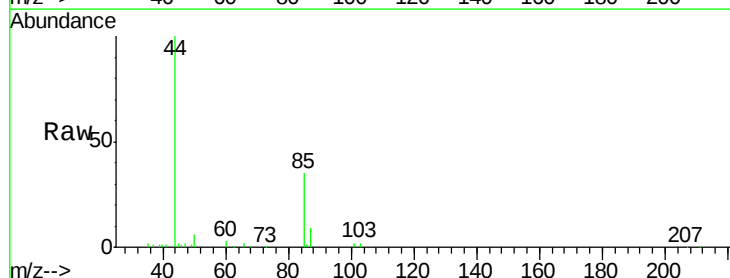
Acq: 20 Jun 2018 18:13

Tgt Ion: 85 Resp: 57455

Ion Ratio Lower Upper

85 100

87 24.6 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

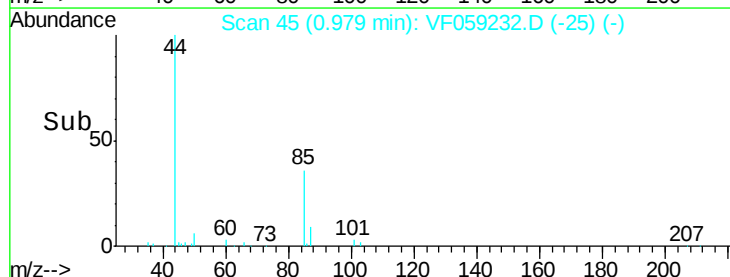
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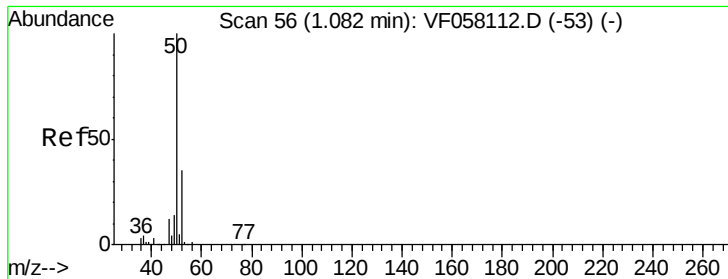
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5000

0

Time-->





#3

Chloromethane

Concen: 15.86 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 50 Resp: 33992

Ion Ratio Lower Upper

50 100

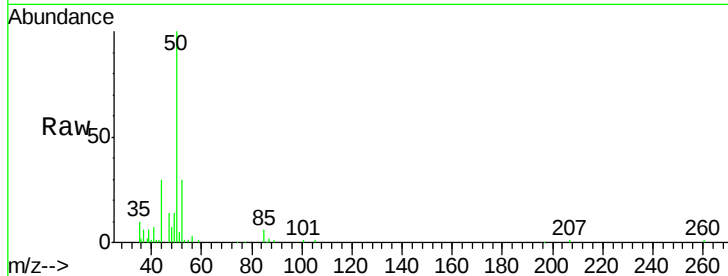
52 30.2 27.3 40.9

Manual Integrations

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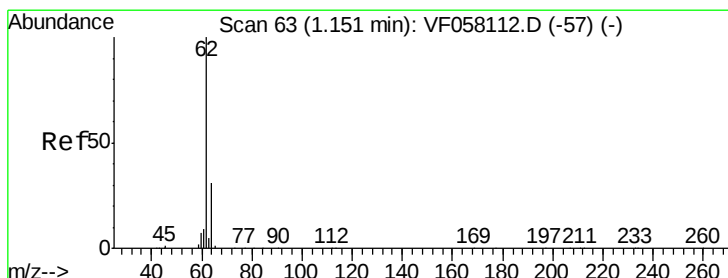
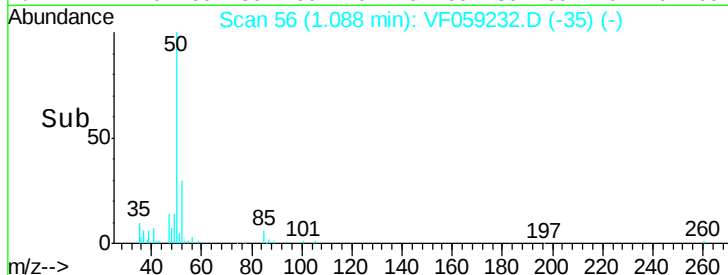
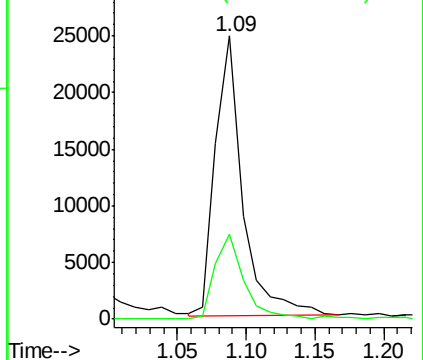
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 18.06 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059232.D

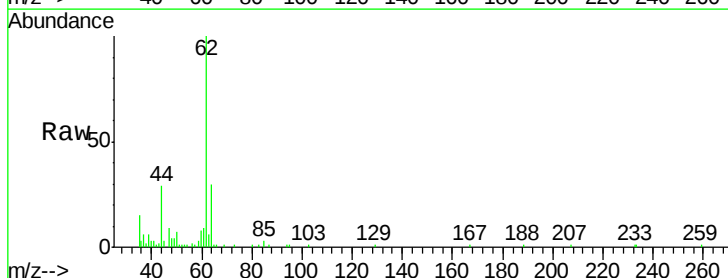
Acq: 20 Jun 2018 18:13

Tgt Ion: 62 Resp: 34925

Ion Ratio Lower Upper

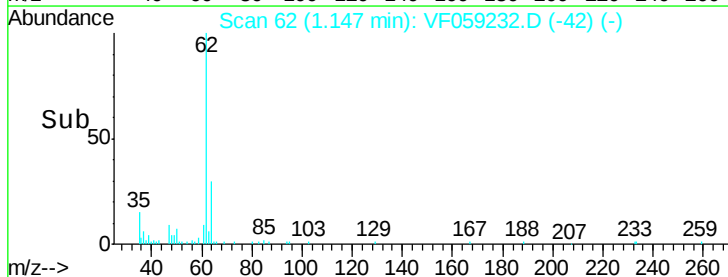
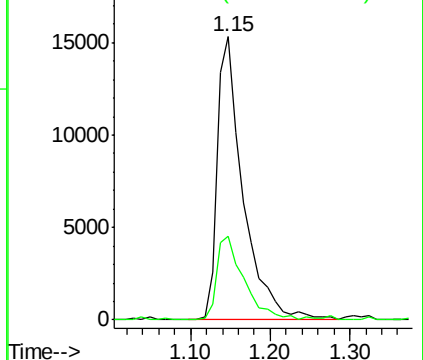
62 100

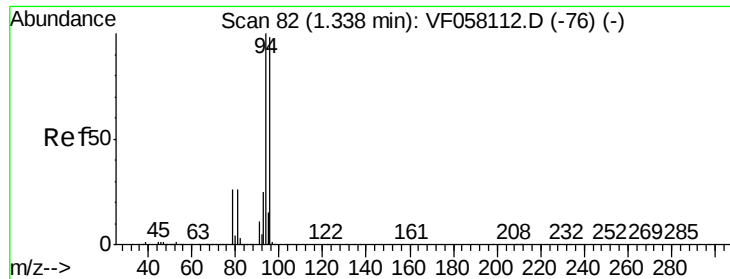
64 29.6 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 18.29 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 94 Resp: 20618

Ion Ratio Lower Upper

94 100

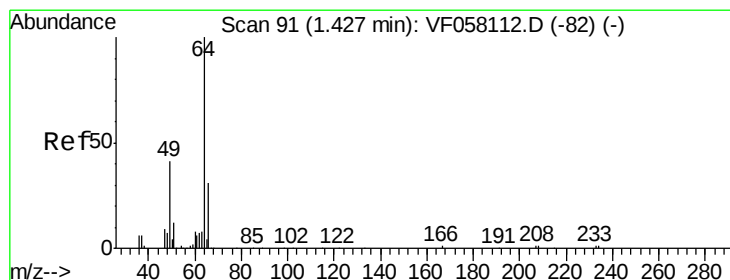
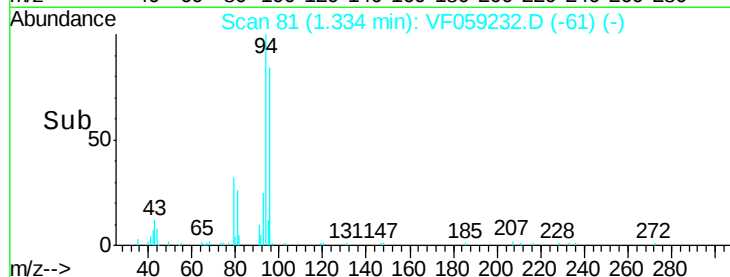
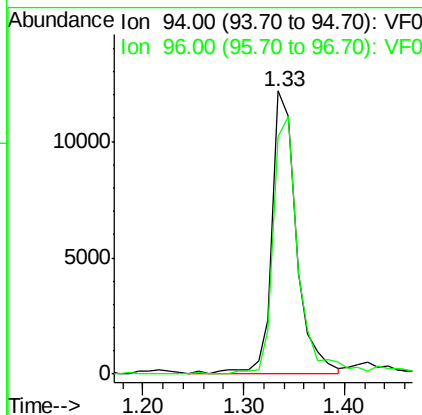
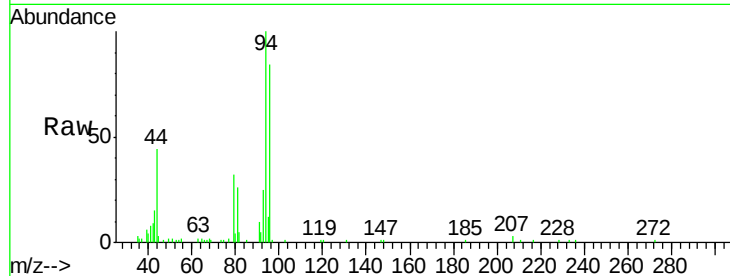
96 84.1 78.6 117.8

Manual Integrations

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#6

Chloroethane

Concen: 20.95 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059232.D

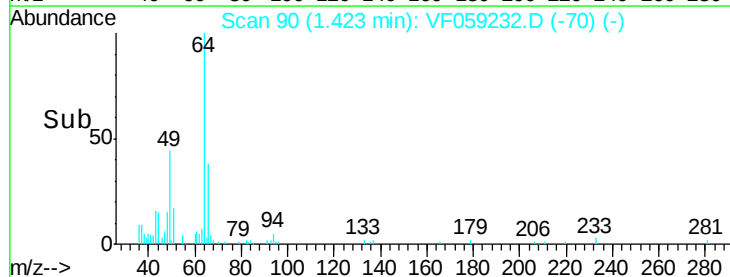
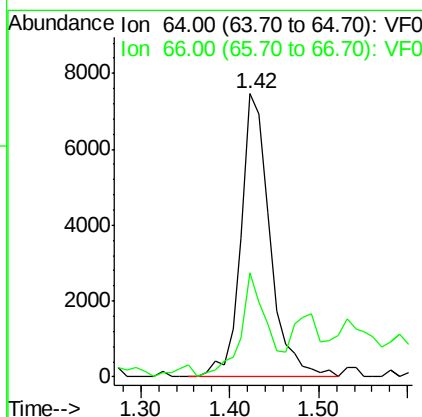
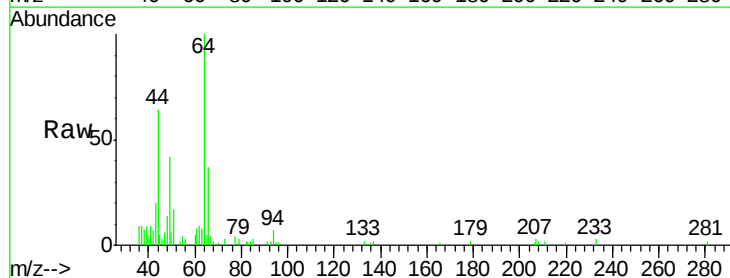
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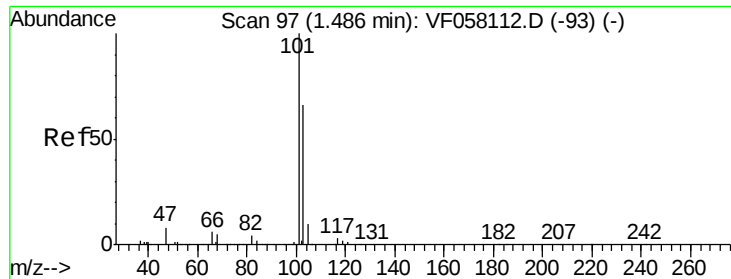
Tgt Ion: 64 Resp: 16817

Ion Ratio Lower Upper

64 100

66 37.0 24.9 37.3





#7

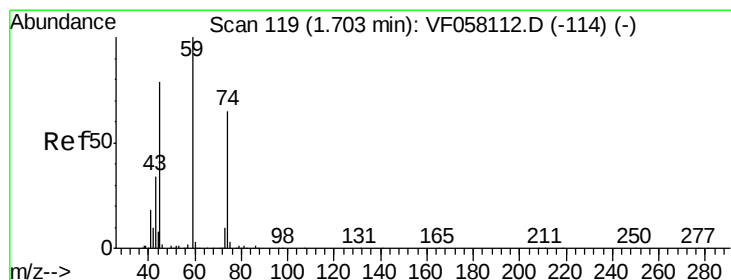
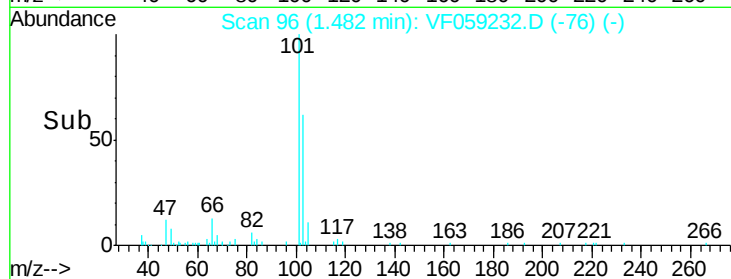
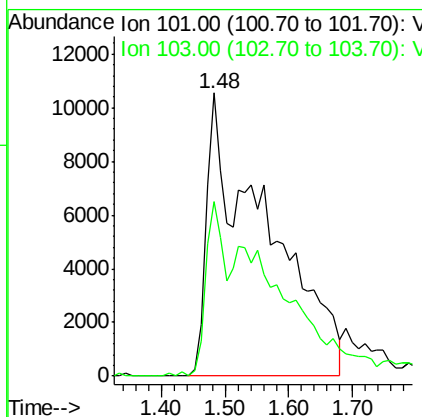
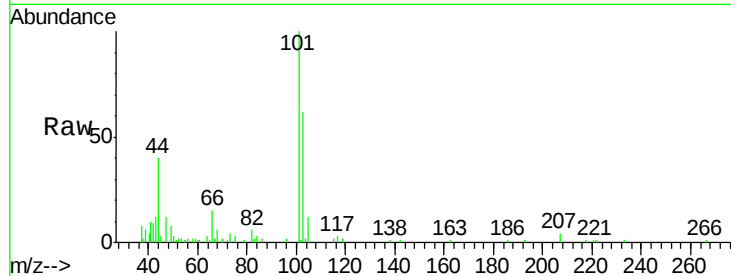
Trichlorofluoromethane
 Concen: 22.67 ug/l m
 RT: 1.48 min Scan# 96
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	61.5	53.4	80.2	

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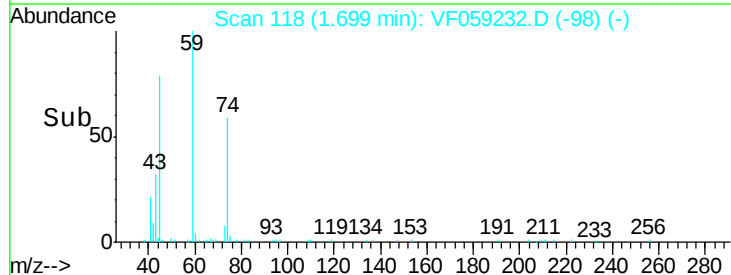
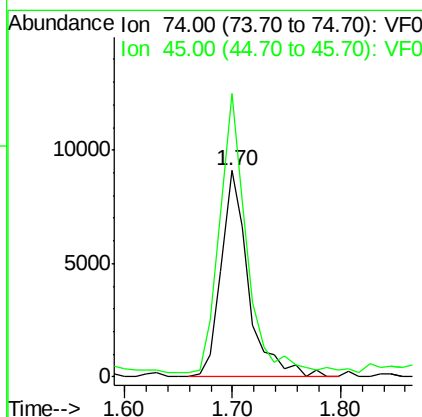
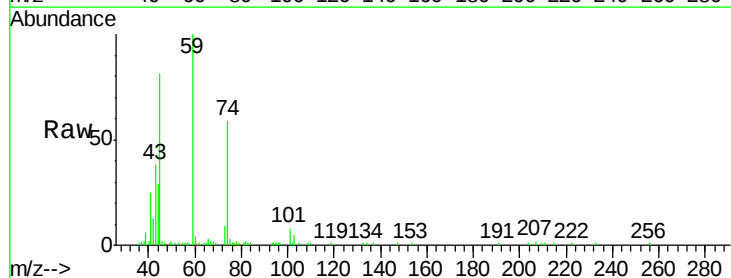
apatel
 6/21/2018 9:45:50 AM

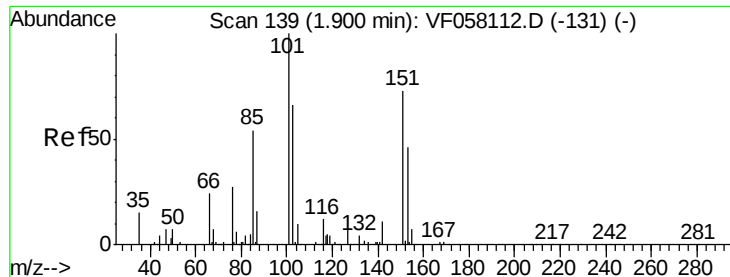


#8

Diethyl Ether
 Concen: 21.18 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	137.1	61.5	184.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.96 ug/l

RT: 1.90 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

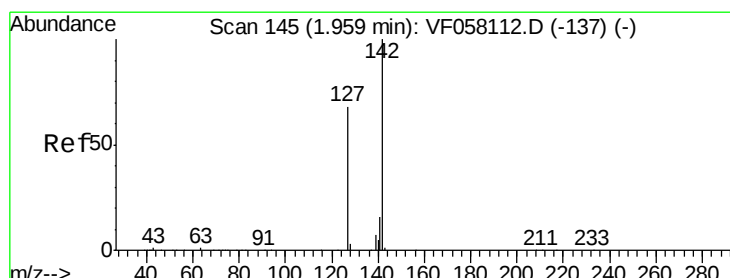
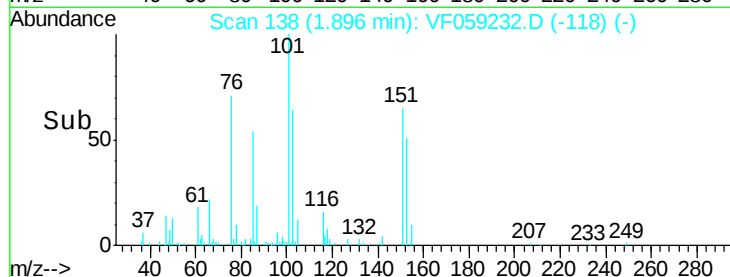
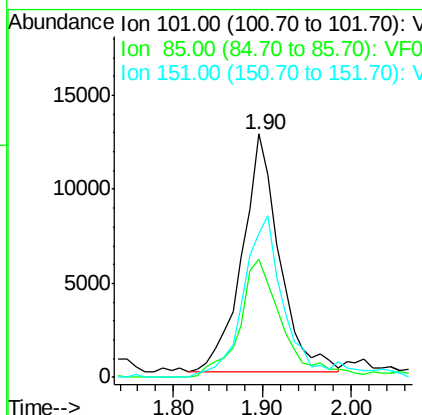
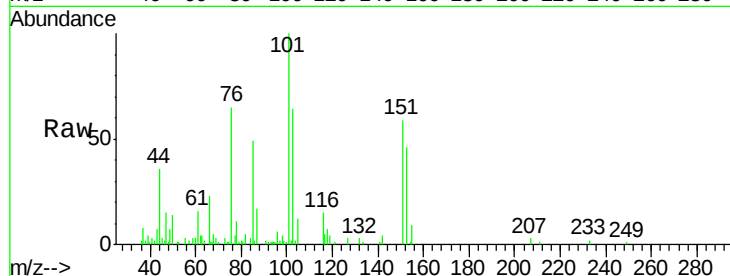
ClientSampleId :

VF0620SBS01

Tot Ion:	101	Resp:	36336
Ion Ratio	Lower	Upper	
101	100		
85	48.7	42.2	63.4
151	59.0	56.8	85.2

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#10

Methyl Iodide

Concen: 20.32 ug/l

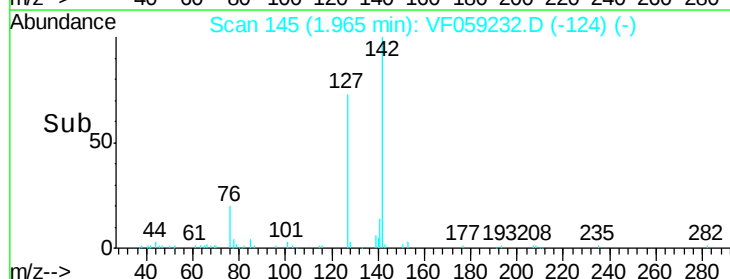
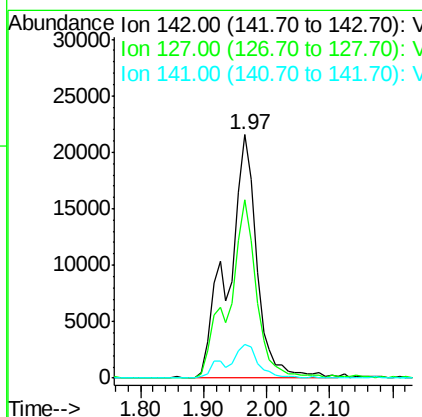
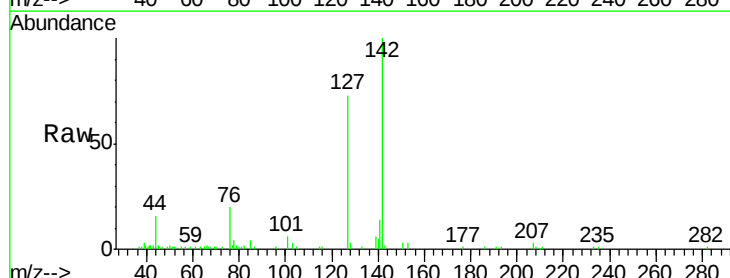
RT: 1.97 min Scan# 145

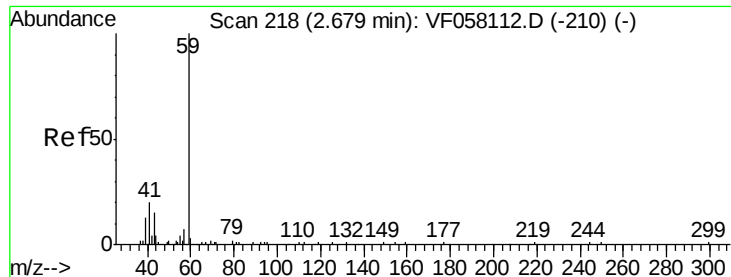
Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion:	142	Resp:	68124
Ion Ratio	Lower	Upper	
142	100		
127	73.2	54.1	81.1
141	14.0	13.0	19.4





#11

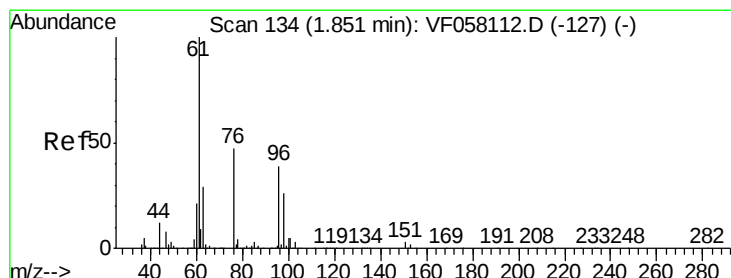
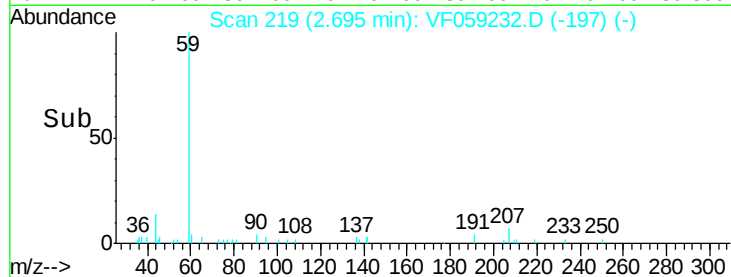
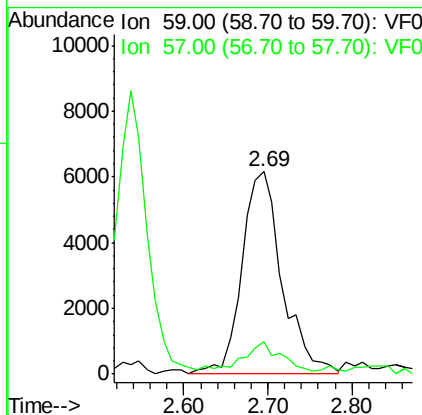
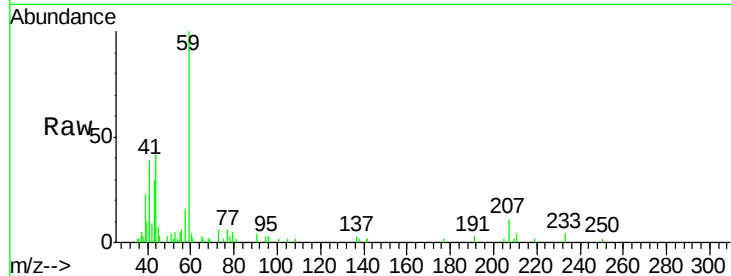
Tert butyl alcohol
Concen: 108.62 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.02 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	59	Resp	20641
Ion Ratio	100	Lower	Upper
57	16.0	8.7	13.1#

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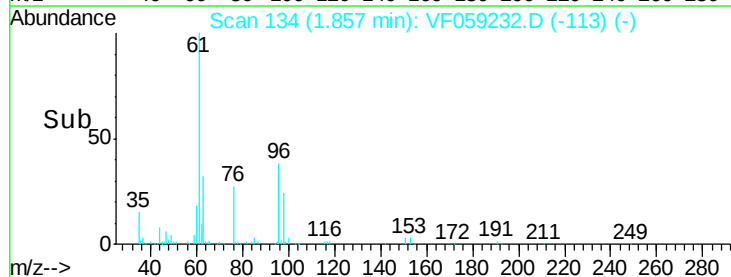
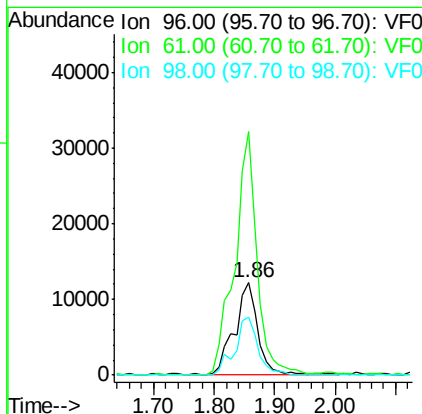
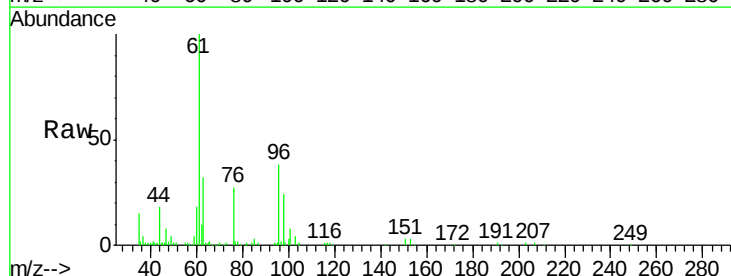
apatel
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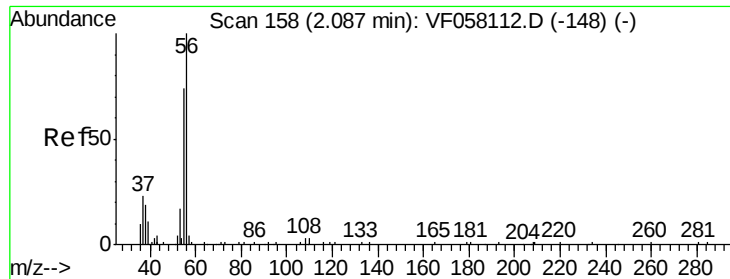


#12

1,1-Dichloroethene
Concen: 20.52 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	96	Resp	33071
Ion Ratio	100	Lower	Upper
61	264.1	203.0	304.4
98	64.3	52.7	79.1





#13

Acrolein

Concen: 63.24 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 56 Resp: 10401

Ion Ratio Lower Upper

56 100

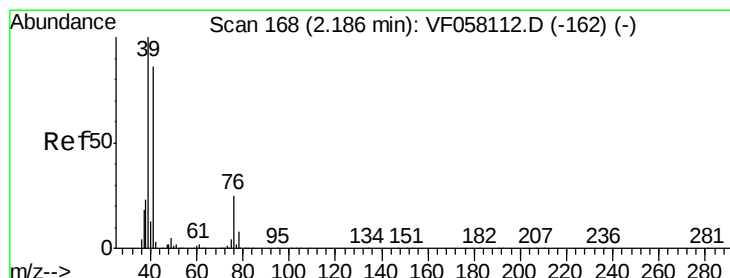
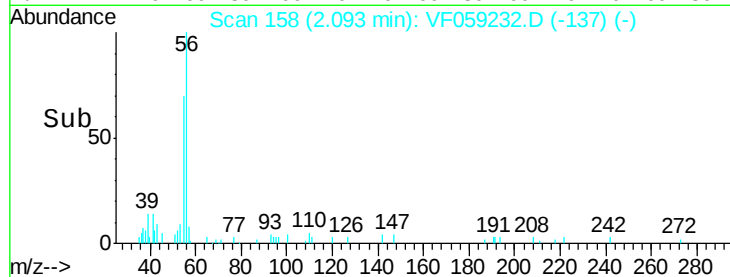
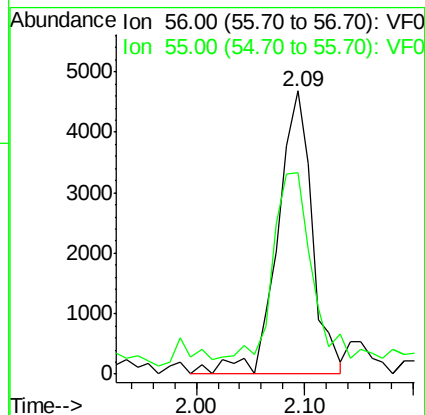
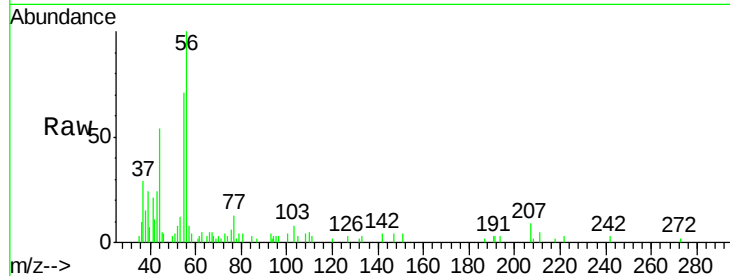
55 71.2 60.0 90.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.28 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

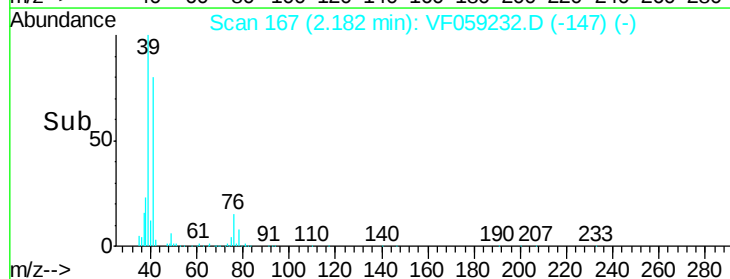
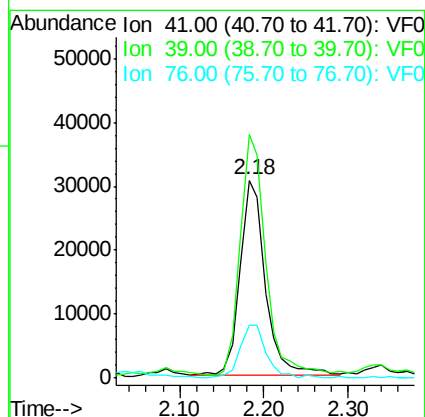
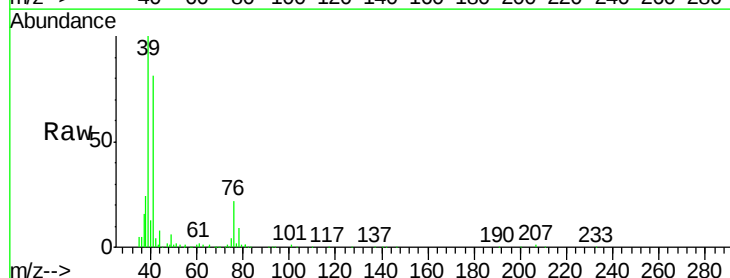
Tgt Ion: 41 Resp: 64127

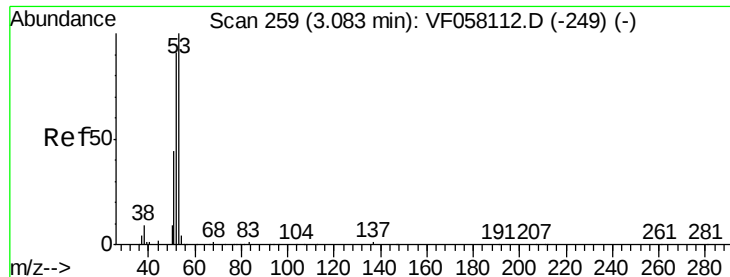
Ion Ratio Lower Upper

41 100

39 123.2 93.5 140.3

76 26.9 23.9 35.9





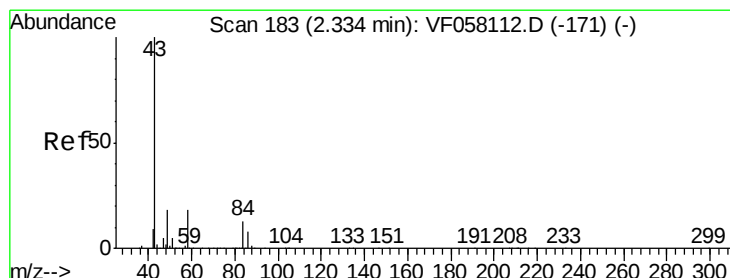
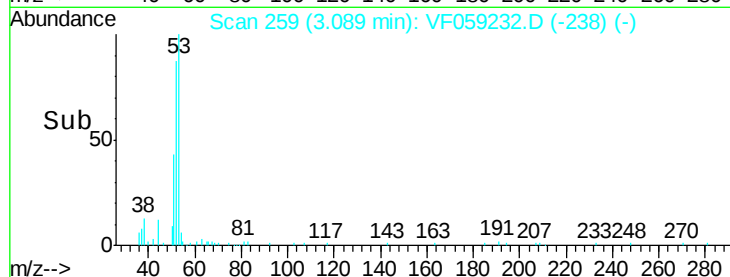
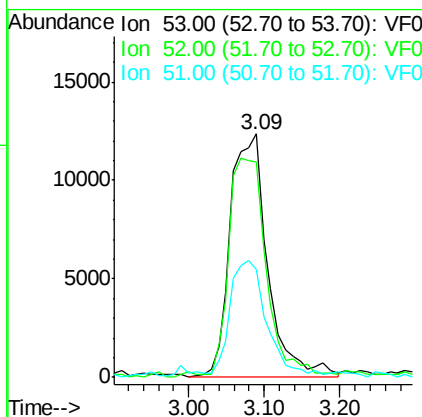
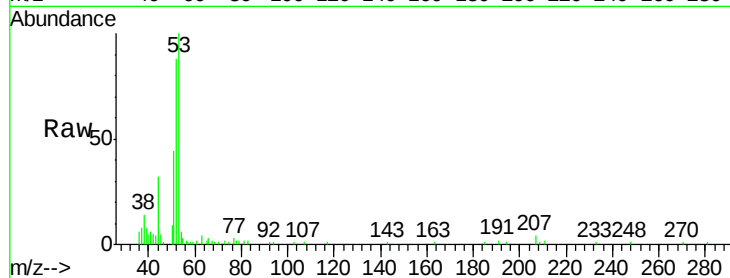
#15
 Acrylonitrile
 Concen: 112.32 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion:	53	Resp:	42390
Ion	Ratio	Lower	Upper
53	100		
52	88.2	73.2	109.8
51	44.3	35.6	53.4

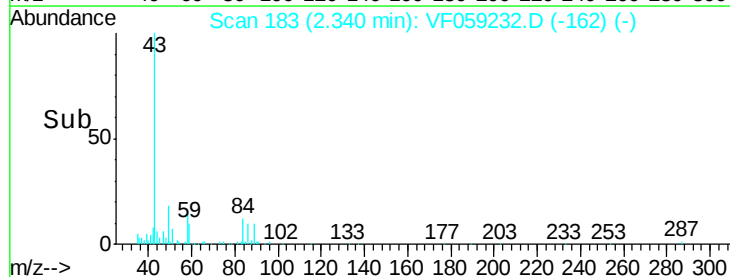
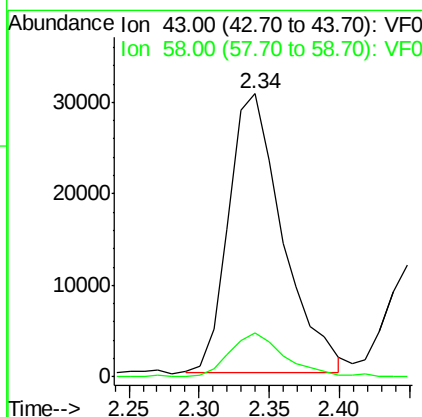
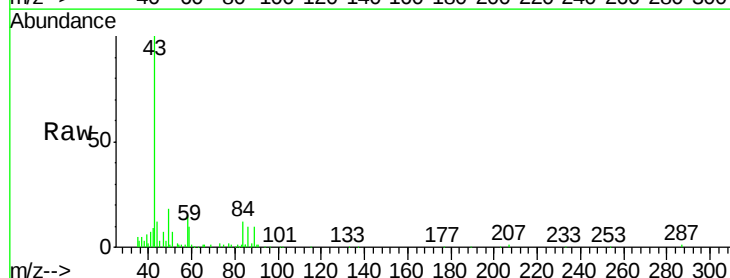
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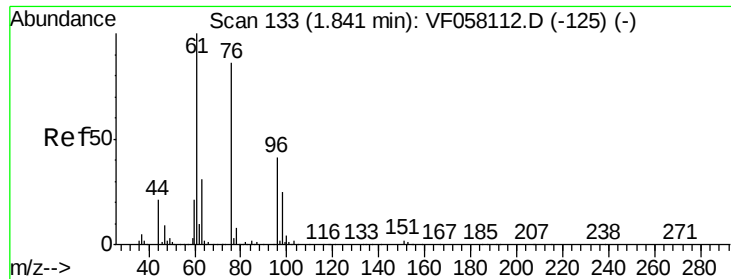
apatel
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#16
 Acetone
 Concen: 115.37 ug/l m
 RT: 2.34 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion:	43	Resp:	81691
Ion	Ratio	Lower	Upper
43	100		
58	15.5	14.4	21.6





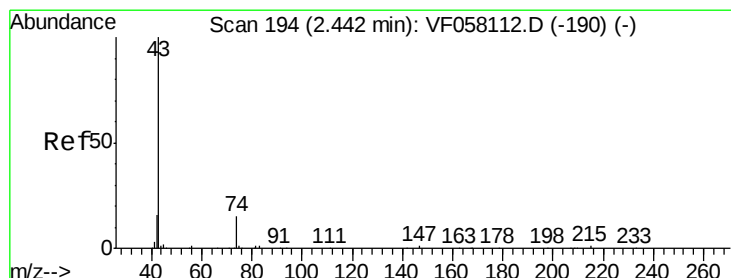
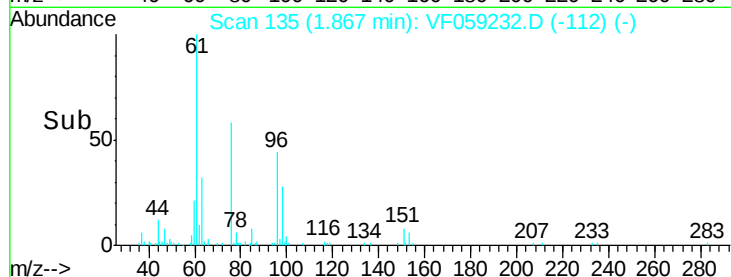
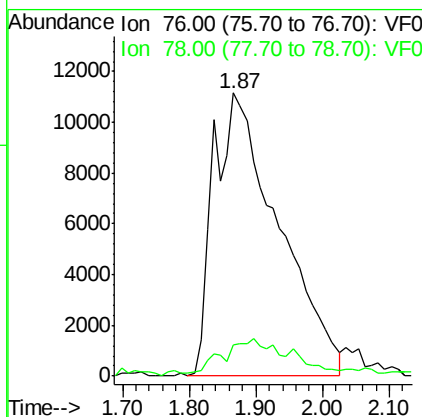
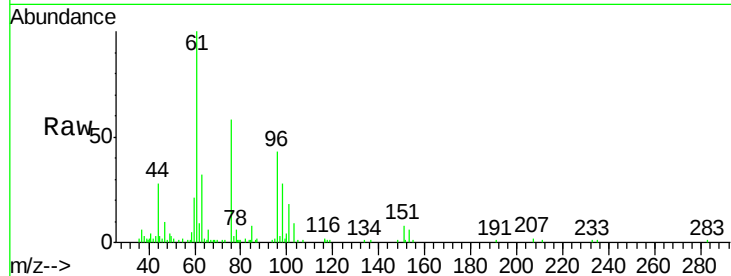
#17
Carbon Disulfide
Concen: 16.71 ug/l m
RT: 1.87 min Scan# 135
Delta R.T. 0.03 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.0	7.8	11.8

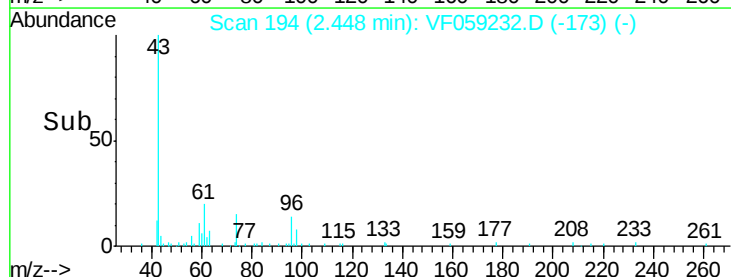
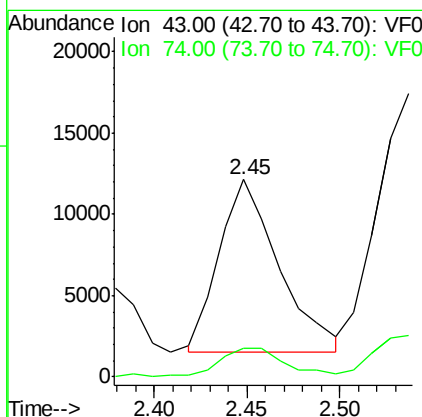
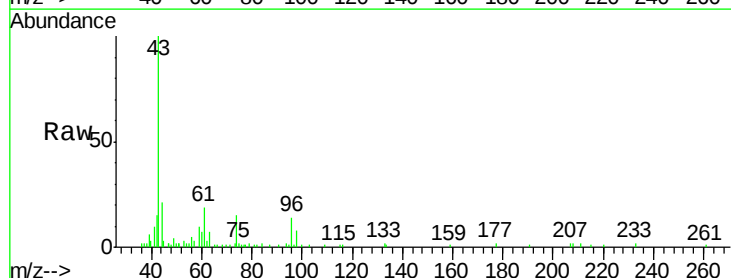
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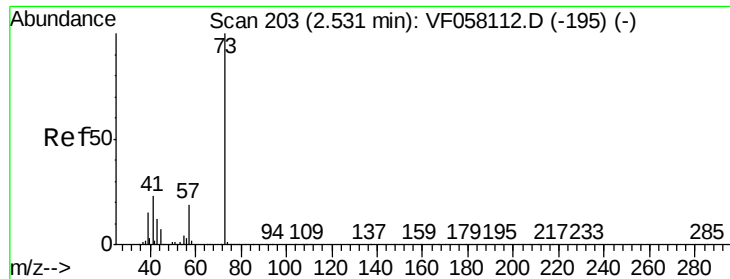
apatel
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#18
Methyl Acetate
Concen: 19.53 ug/l m
RT: 2.45 min Scan# 194
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.8	10.9	16.3





#19

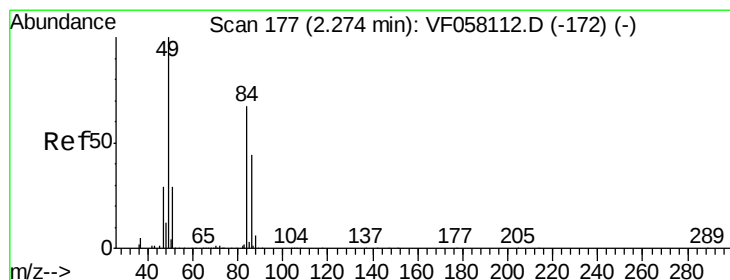
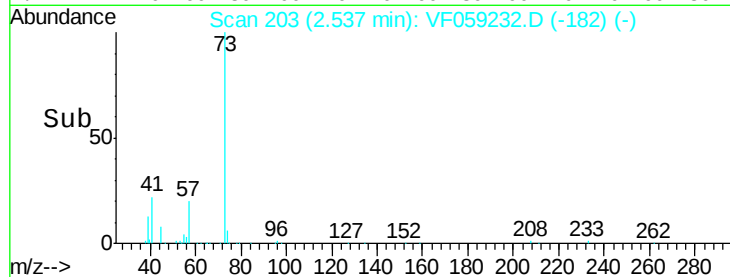
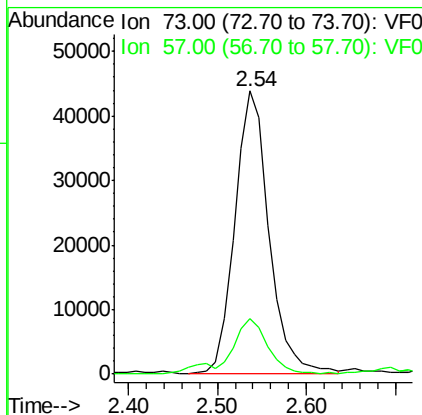
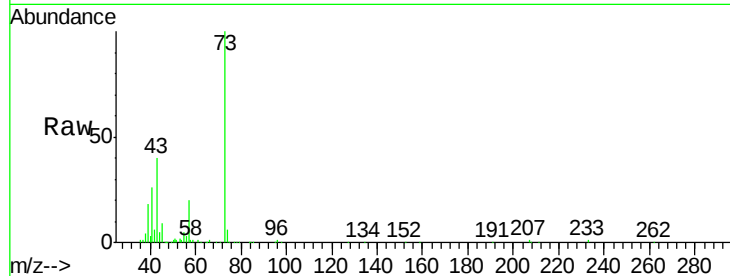
Methyl tert-butyl Ether
 Concen: 23.19 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0620SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	15.0	22.4

Manual Integrations
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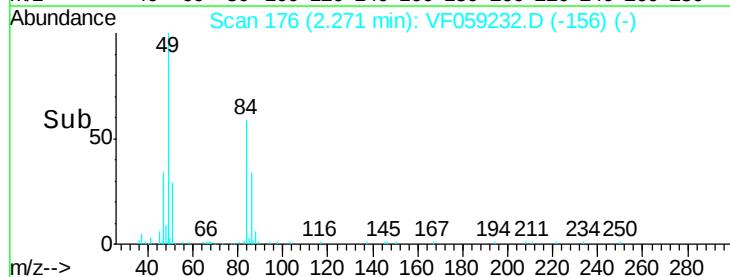
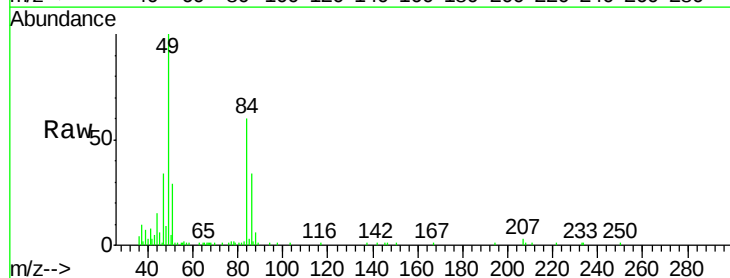
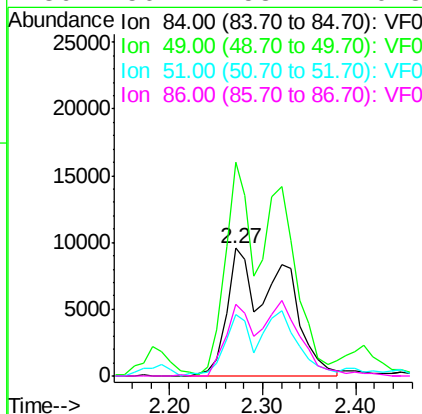
apatel
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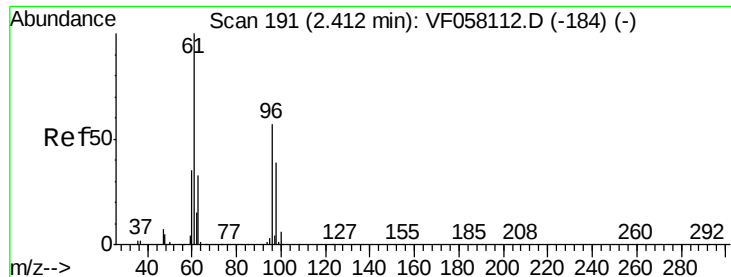


#20

Methylene Chloride
 Concen: 23.22 ug/l m
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	167.6	121.0	181.4
51	48.5	35.8	53.6
86	56.4	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 20.37 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

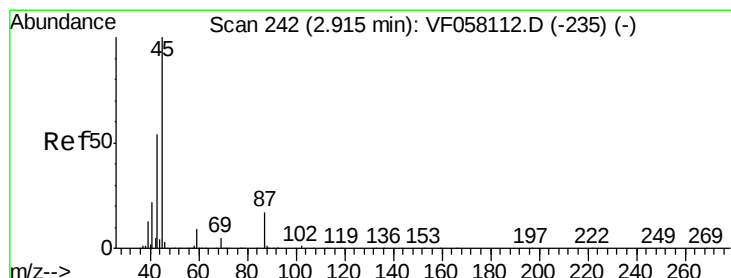
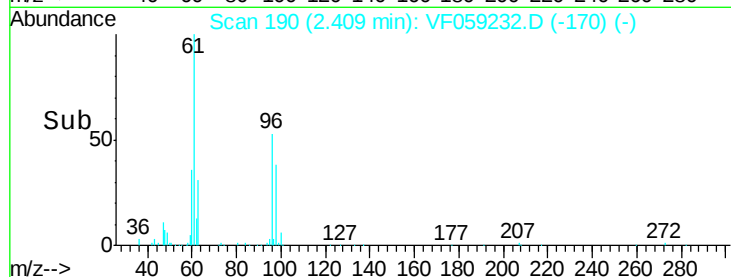
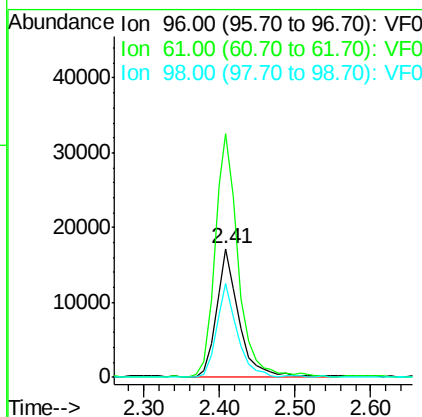
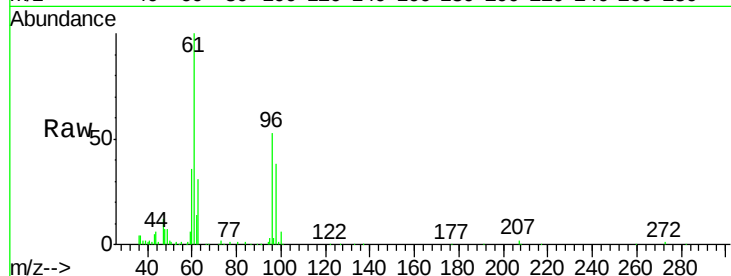
ClientSampleId :

VF0620SBS01

Tot Ion:	96	Resp:	35993
Ion	Ratio	Lower	Upper
96	100		
61	189.6	139.4	209.2
98	73.0	54.0	81.0

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#22

Diisopropyl ether

Concen: 21.80 ug/l

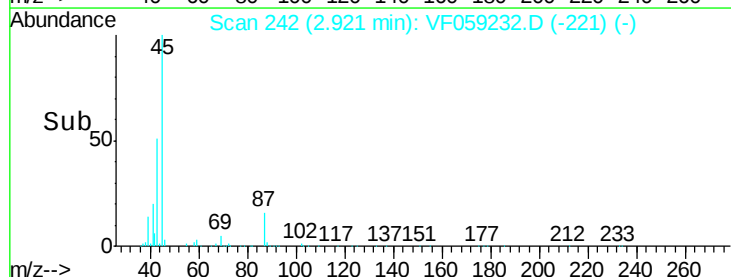
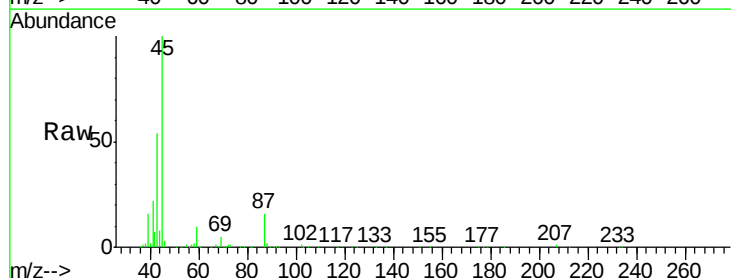
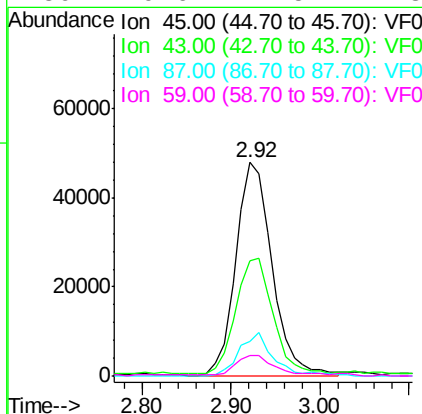
RT: 2.92 min Scan# 242

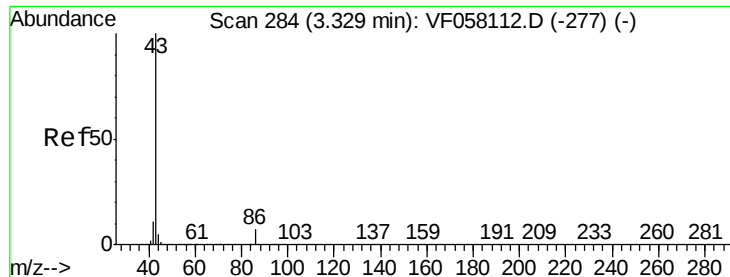
Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion:	45	Resp:	135542
Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.2	64.8
87	16.4	13.8	20.6
59	9.6	7.5	11.3





#23

Vinyl Acetate

Concen: 108.67 ug/l

RT: 3.34 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

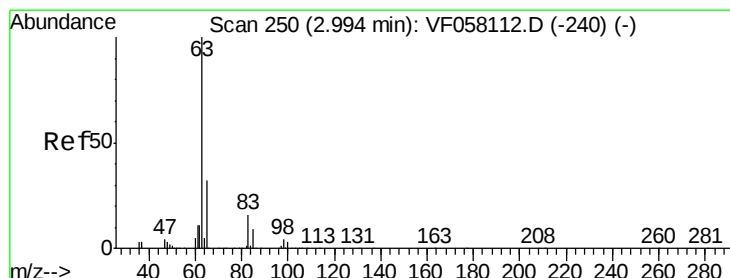
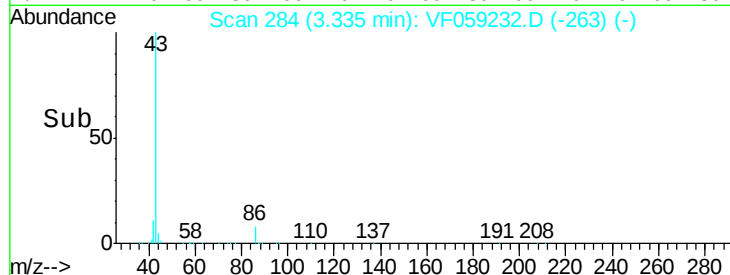
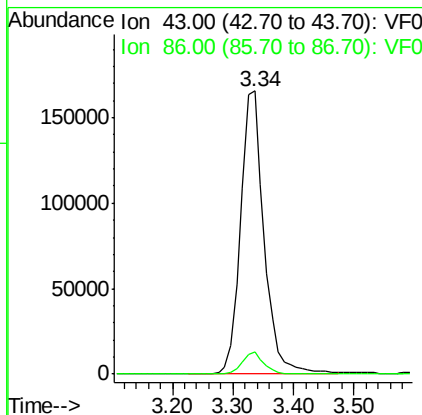
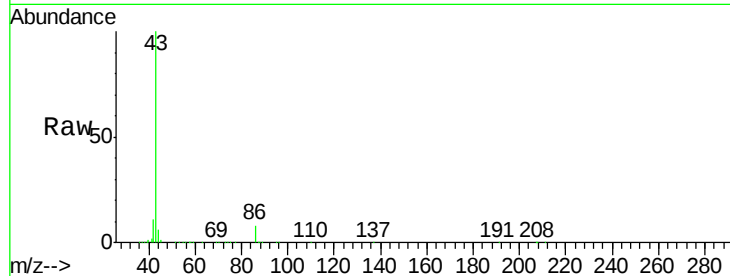
ClientSampleId :

VF0620SBS01

Tot Ion:	43	Resp:	445445
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.0	9.0

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#24

1,1-Dichloroethane

Concen: 22.81 ug/l

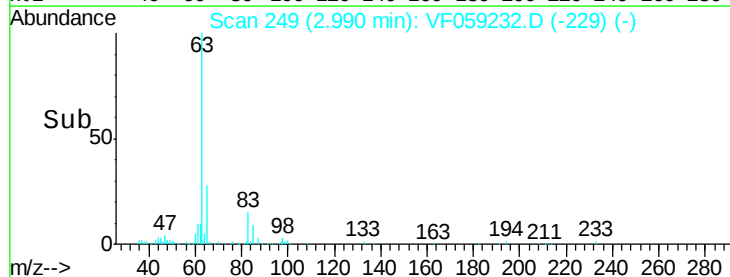
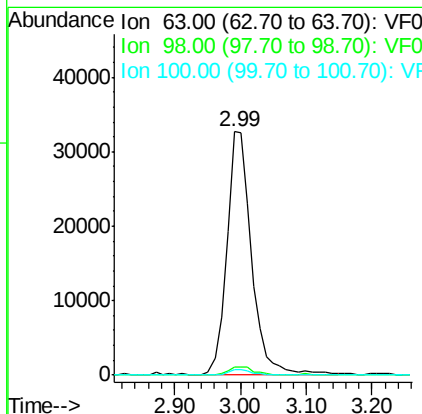
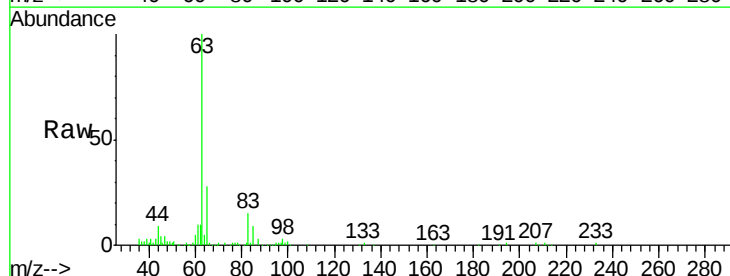
RT: 2.99 min Scan# 249

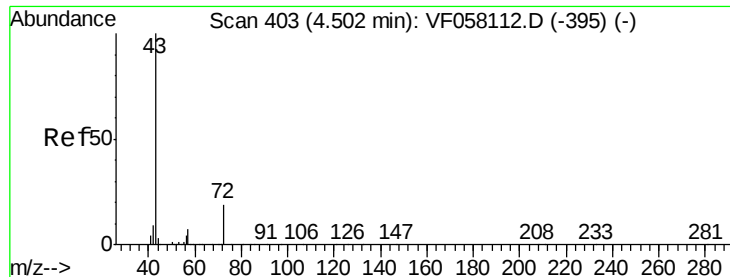
Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion:	63	Resp:	85974
Ion Ratio	Lower	Upper	
63	100		
98	3.1	2.0	6.0
100	2.1	1.4	4.0





#25

2-Butanone

Concen: 98.39 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 43 Resp: 108018

Ion Ratio Lower Upper

43 100

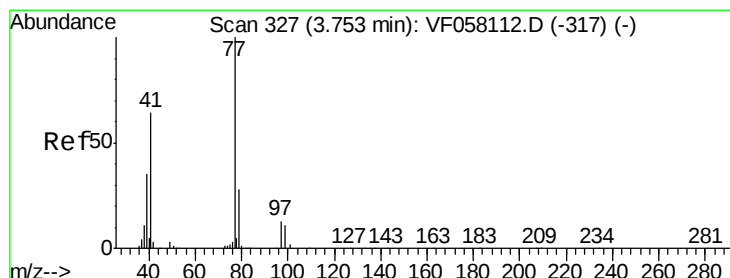
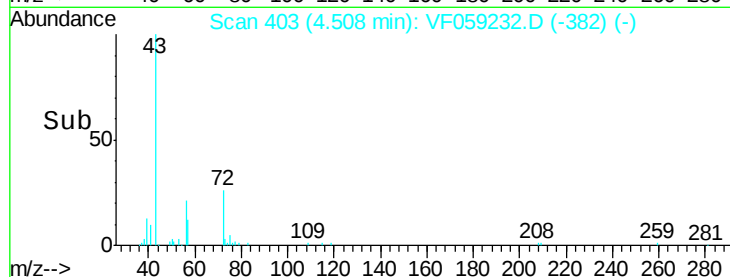
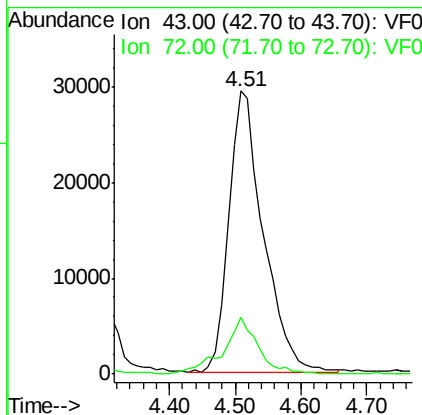
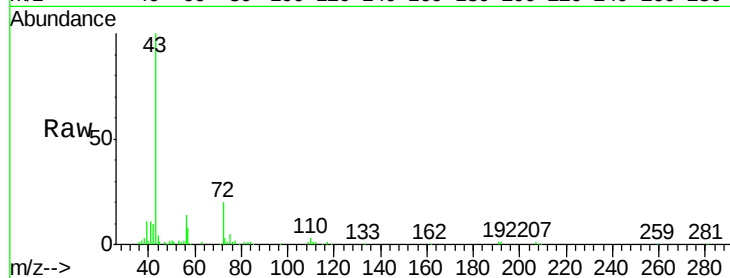
72 20.3 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 22.73 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059232.D

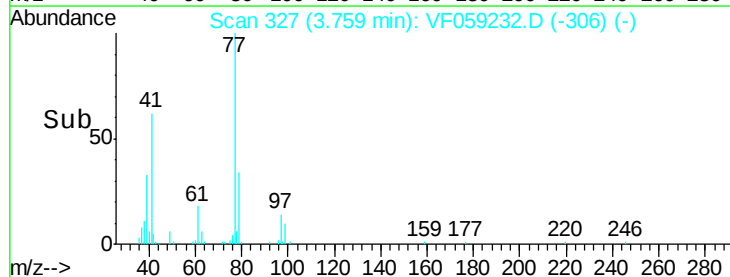
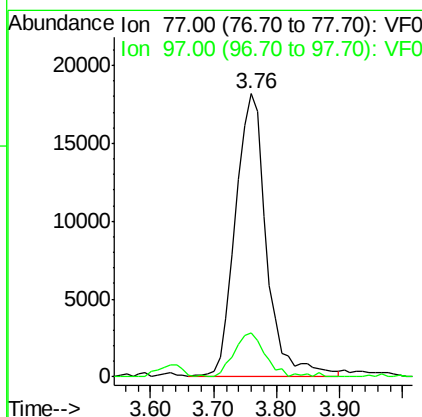
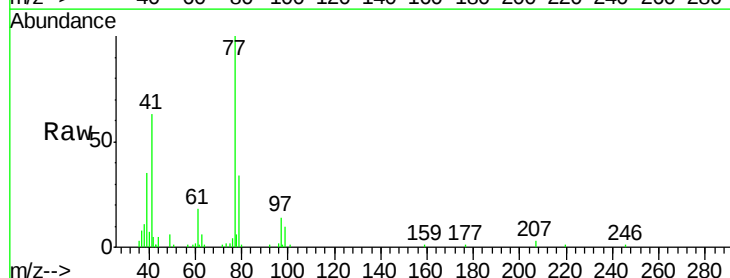
Acq: 20 Jun 2018 18:13

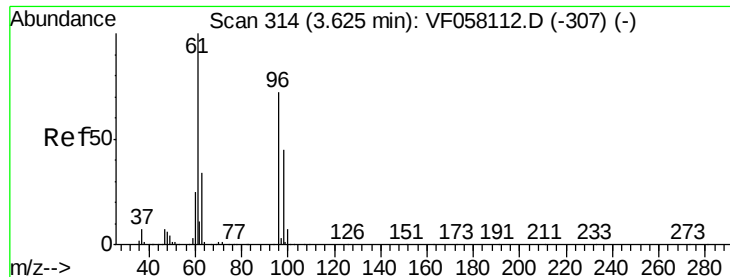
Tgt Ion: 77 Resp: 62164

Ion Ratio Lower Upper

77 100

97 15.6 7.2 21.6





#27

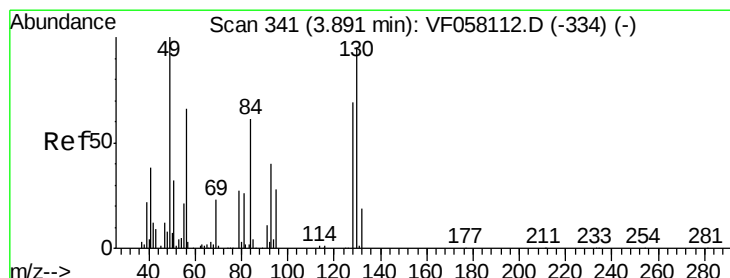
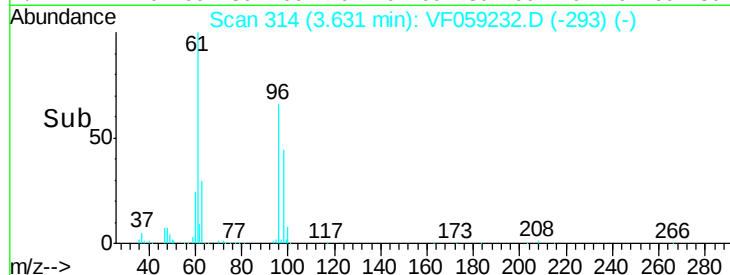
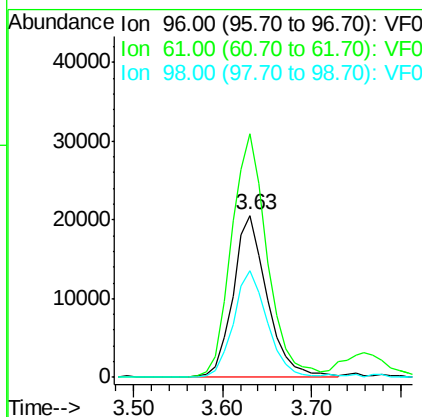
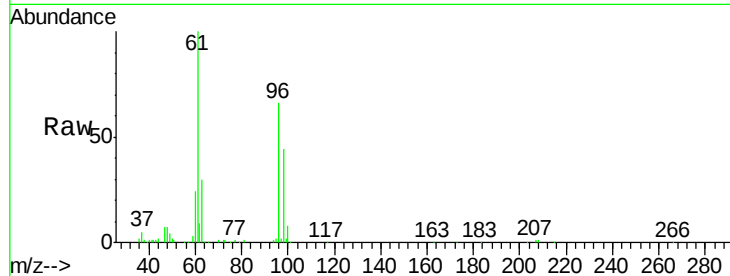
cis-1,2-Dichloroethene
Concen: 20.18 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	54885		
61	150.6		0.0	278.6
98	66.4		0.0	125.2

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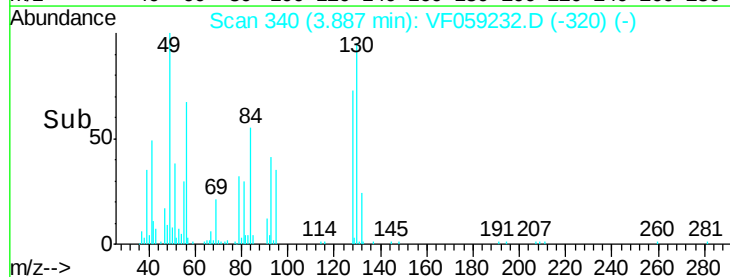
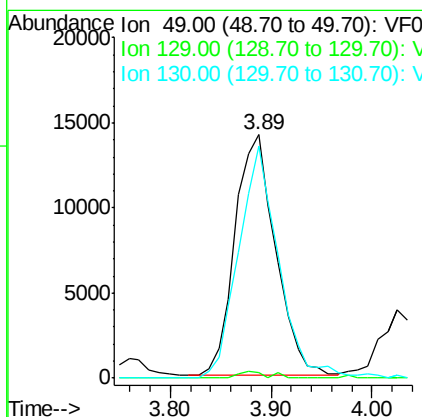
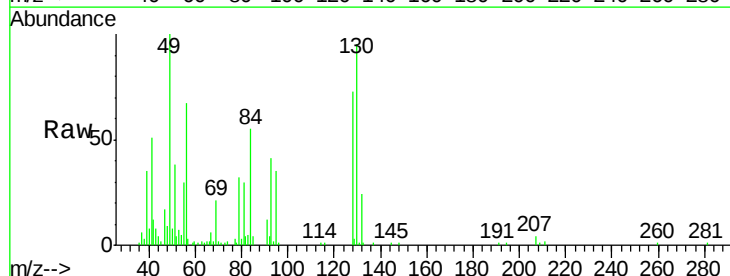
apatel
6/21/2018 9:45:50 AM

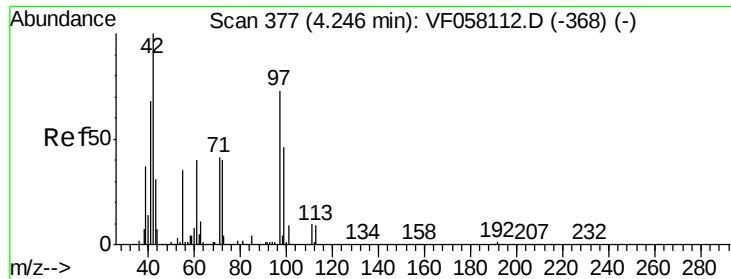


#28

Bromochloromethane
Concen: 23.26 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	39458		
129	2.5		0.0	0.0#
130	95.5		75.8	113.8





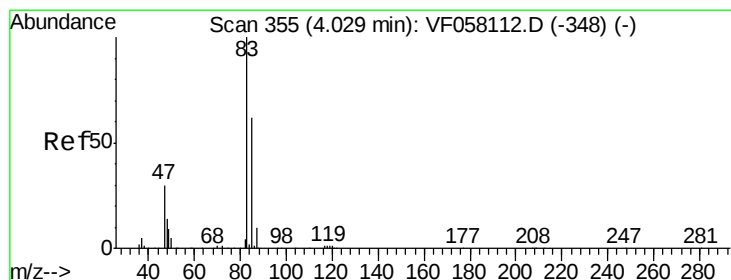
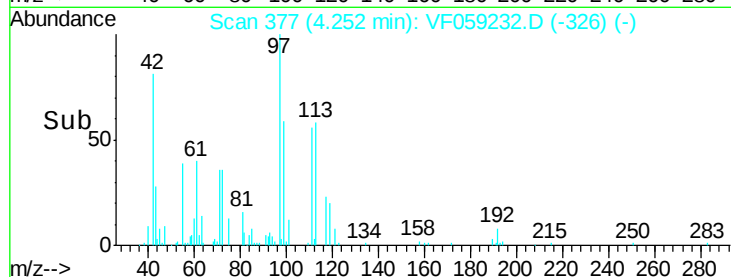
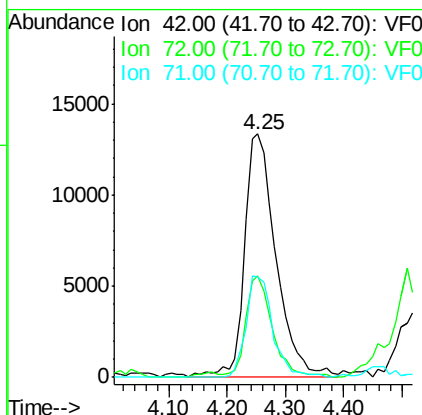
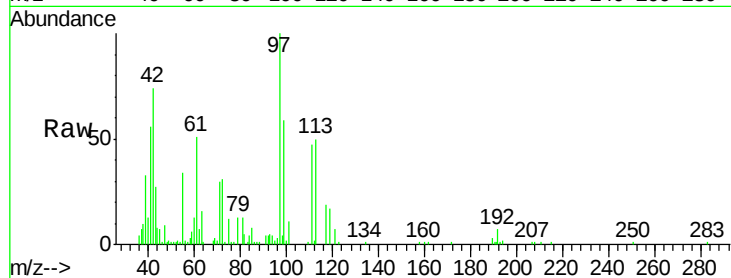
#29
Tetrahydrofuran
Concen: 104.85 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	30.5	45.7
71	35.7	31.5	47.3

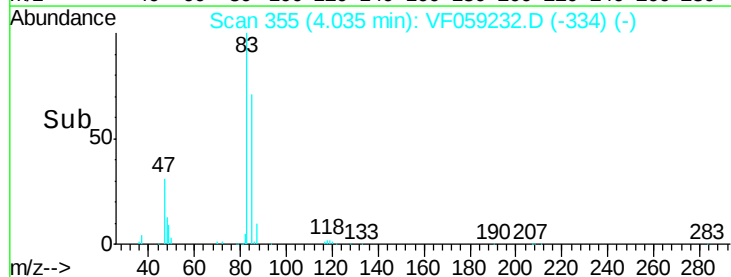
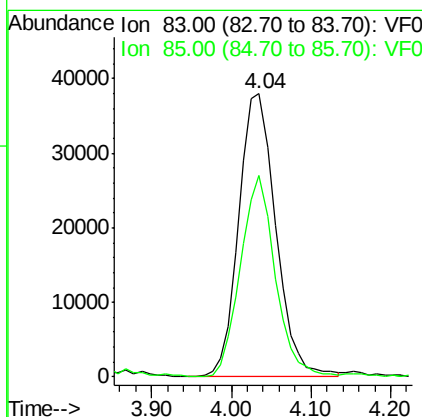
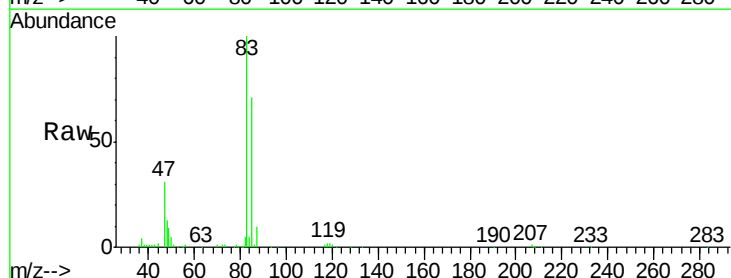
Manual Integrations
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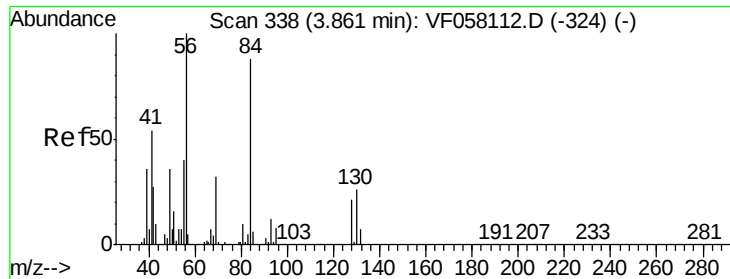
apatel
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#30
Chloroform
Concen: 22.51 ug/l
RT: 4.04 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.1	49.5	74.3





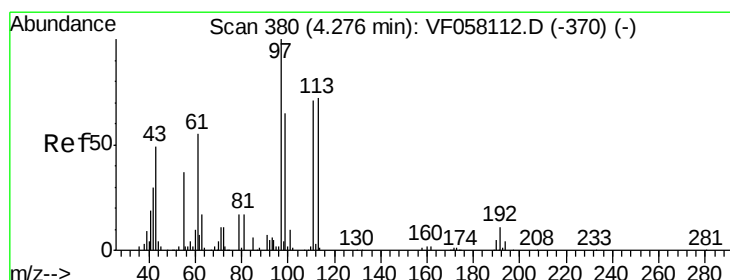
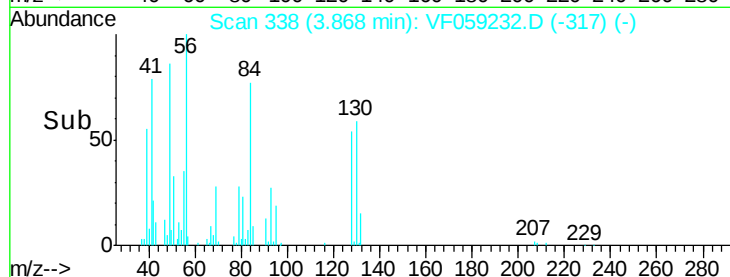
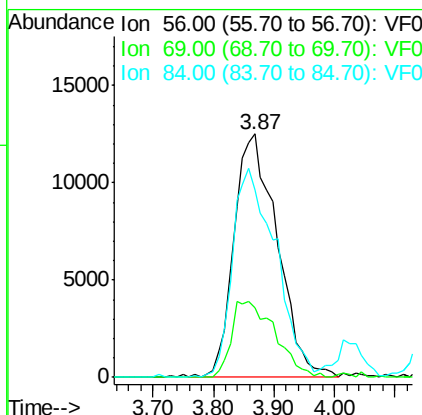
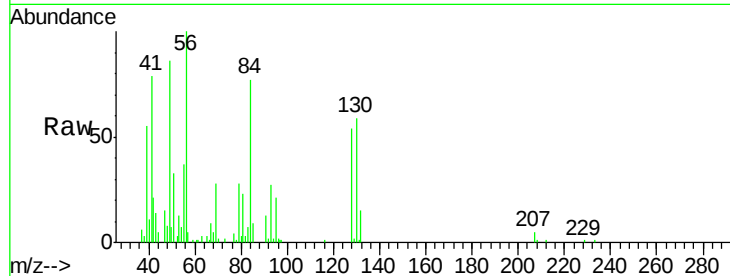
#31
Cyclohexane
Concen: 18.81 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	25.9	38.9
84	77.1	70.3	105.5

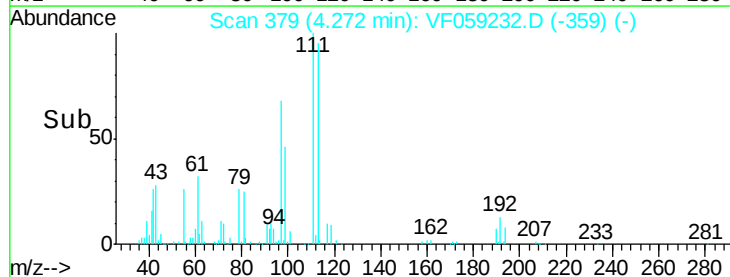
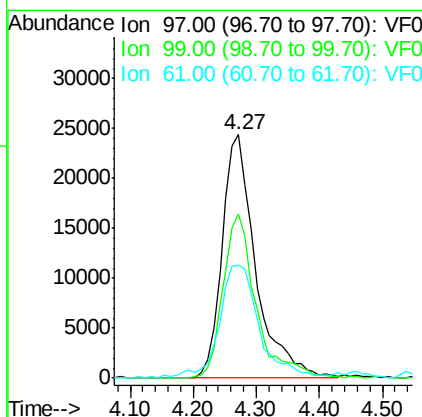
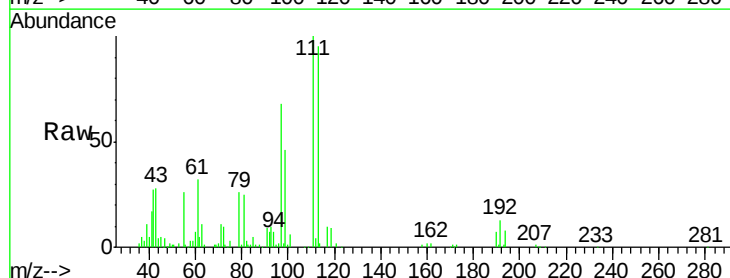
Manual Integrations
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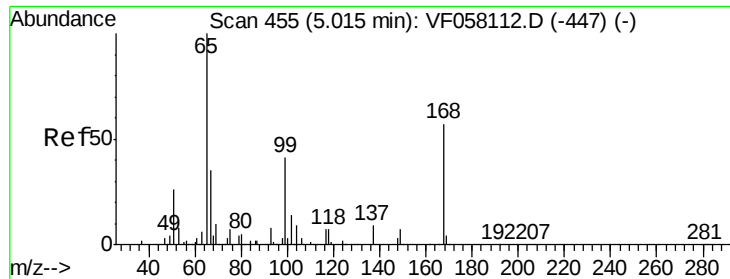
apatel
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#32
1,1,1-Trichloroethane
Concen: 22.36 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.7	52.0	78.0
61	46.6	44.3	66.5





#33

1,2-Dichloroethane-d4

Concen: 60.07 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 65 Resp: 178154

Ion Ratio Lower Upper

65 100

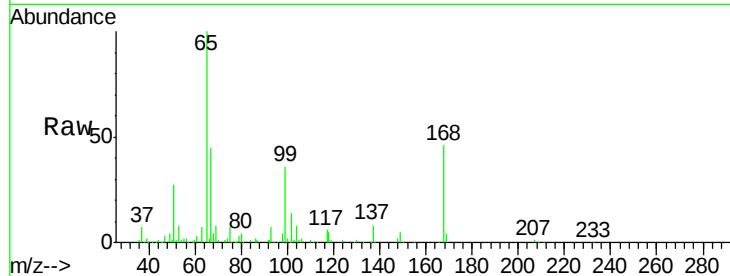
67 45.0 0.0 97.0

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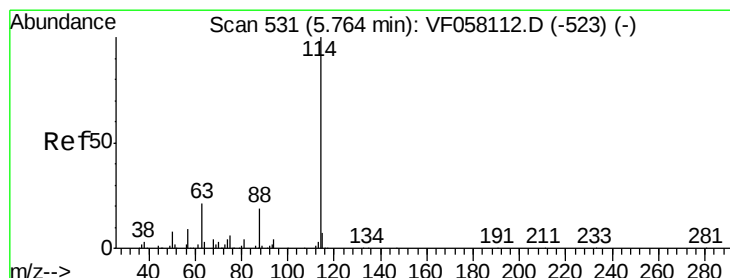
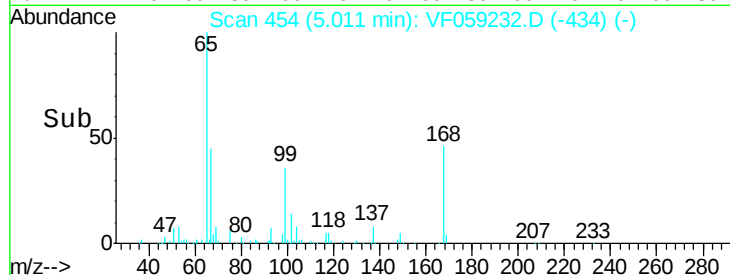
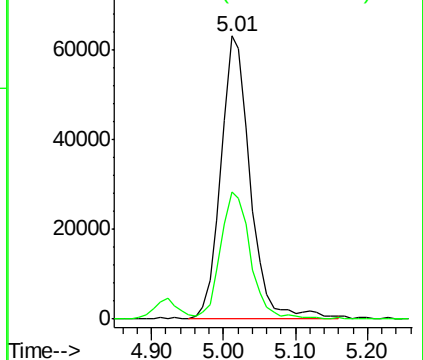
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

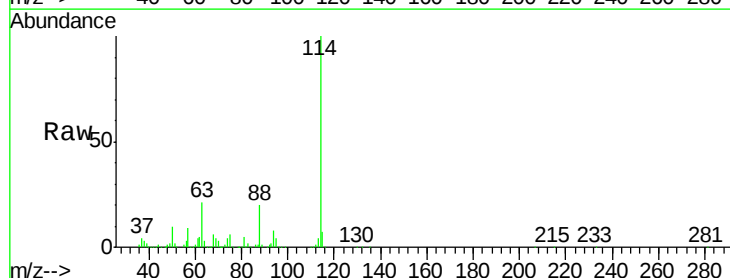
Tgt Ion: 114 Resp: 379119

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.6

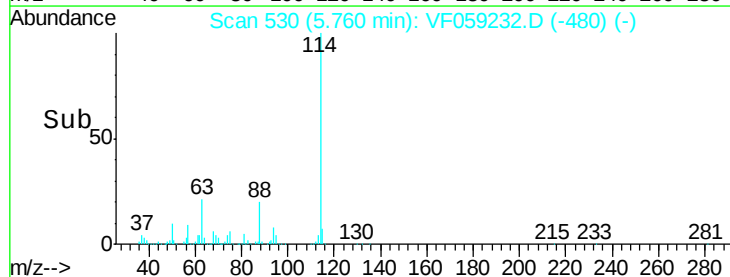
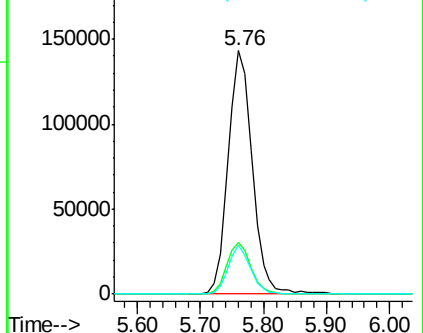
88 20.4 0.0 38.8

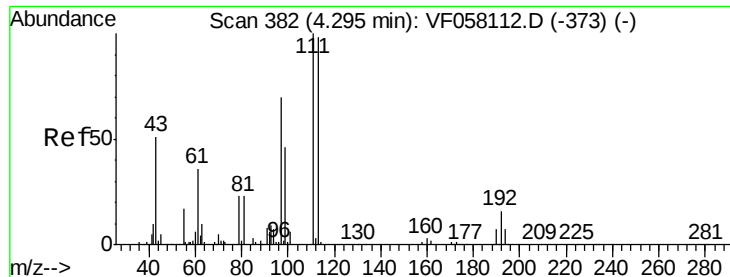


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 57.55 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

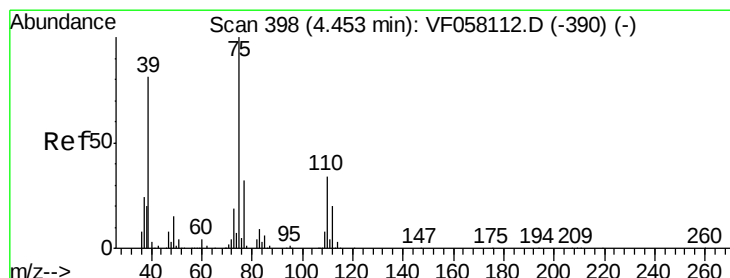
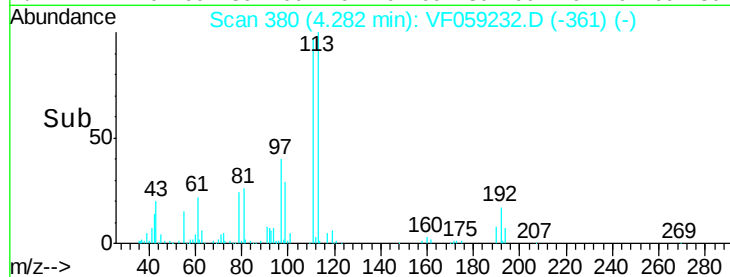
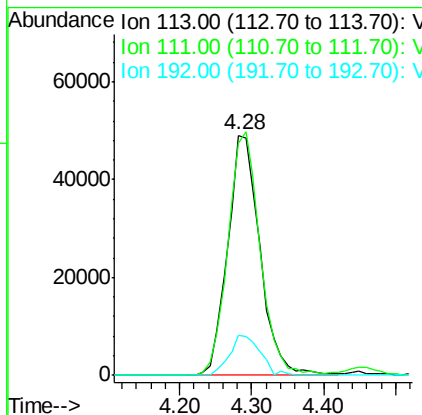
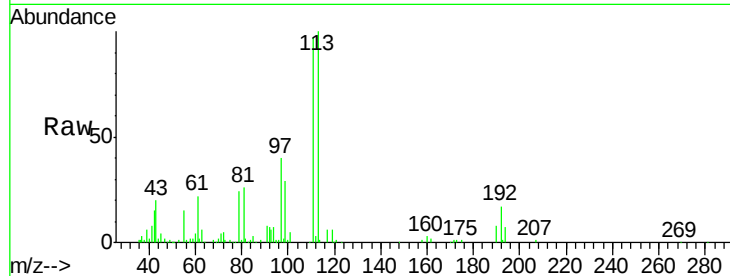
ClientSampleId :

VF0620SBS01

Tot Ion:	113	Resp:	153105
Ion Ratio	Lower	Upper	
113	100		
111	96.6	81.3	121.9
192	16.5	12.7	19.1

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#36

1,1-Dichloropropene

Concen: 20.80 ug/l

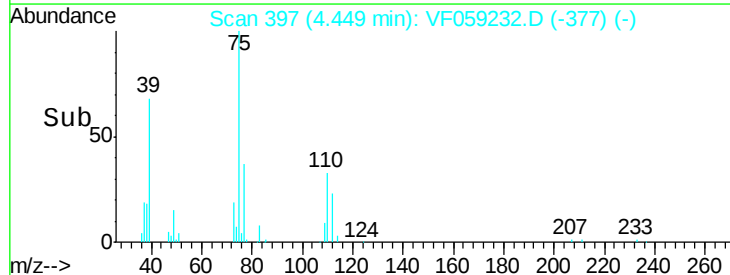
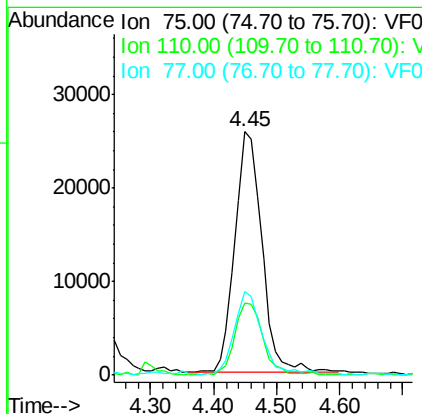
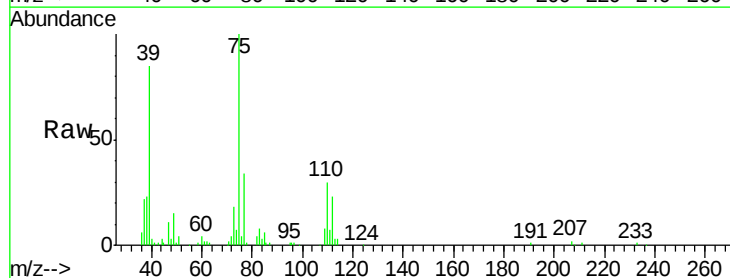
RT: 4.45 min Scan# 397

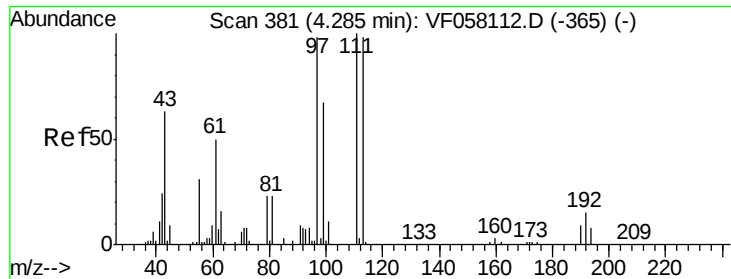
Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion:	75	Resp:	76441
Ion Ratio	Lower	Upper	
75	100		
110	29.8	17.0	50.9
77	34.3	25.3	37.9





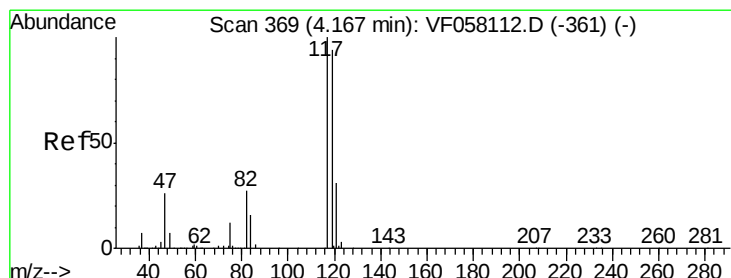
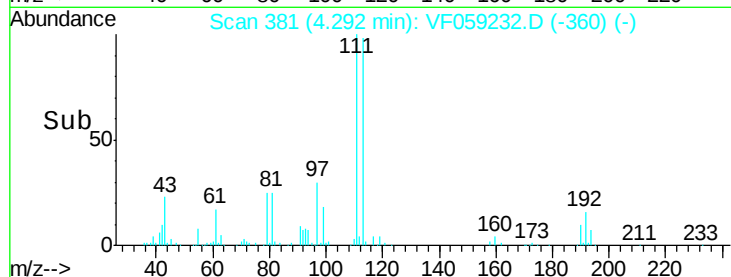
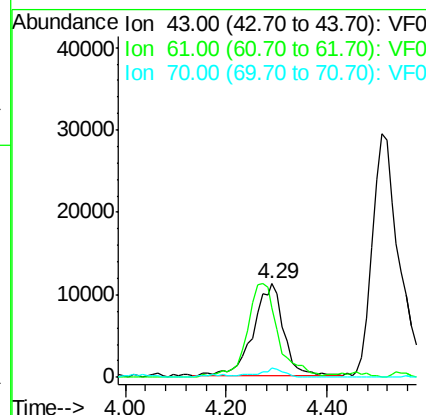
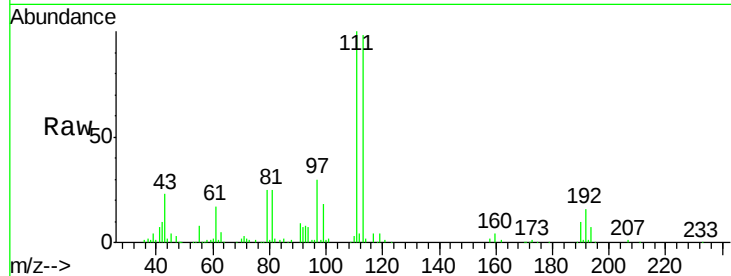
#37
Ethyl Acetate
Concen: 20.55 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	43	61	70	Resp	Lower	Upper
43	100					
61	74.9	63.0				94.4
70	10.6	7.5				11.3

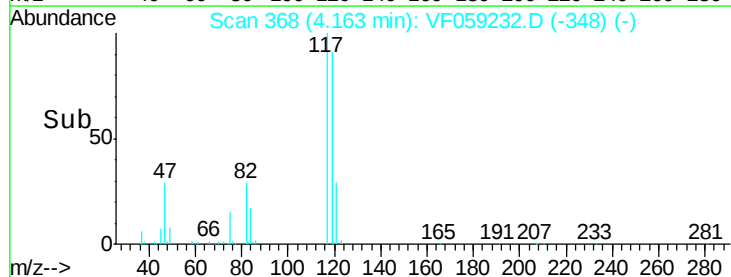
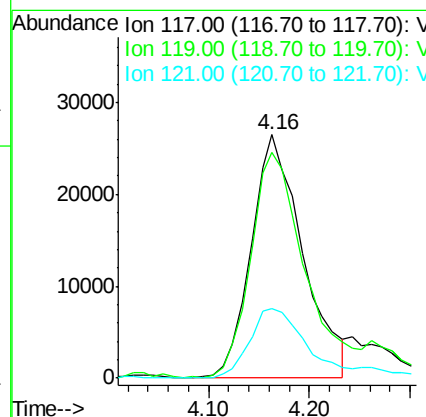
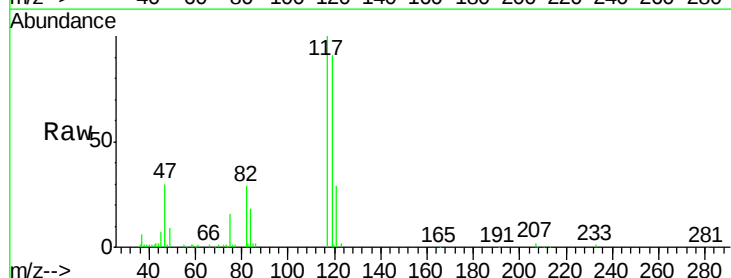
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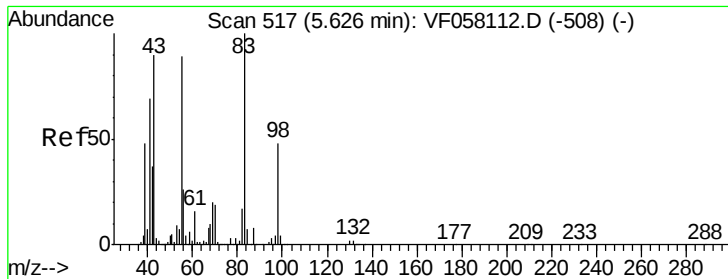
apatel
6/21/2018 9:45:50 AM



#38
Carbon Tetrachloride
Concen: 23.64 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	117	119	121	Resp	Lower	Upper
117	100					
119	91.4	75.7				113.5
121	28.6	24.8				37.2





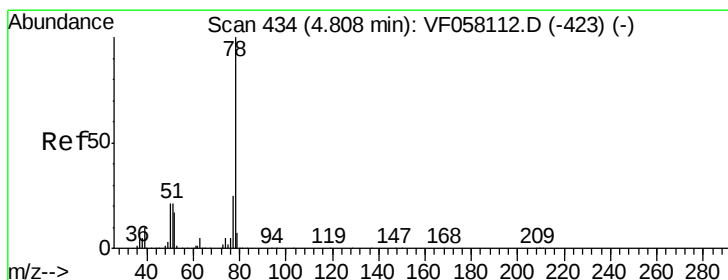
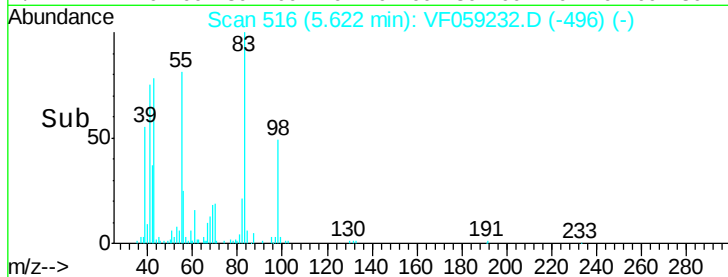
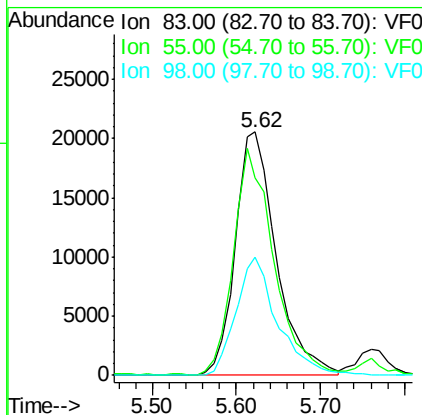
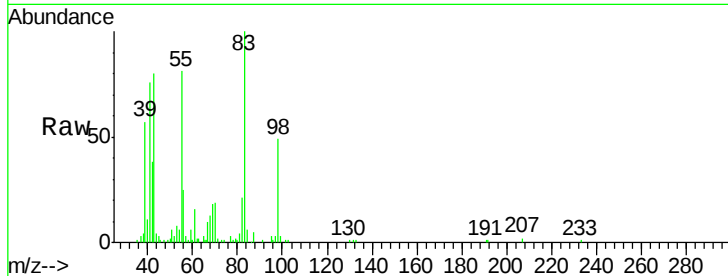
#39
Methvlcvclohexane
Concen: 18.65 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	71.0	106.4
98	48.8	38.1	57.1

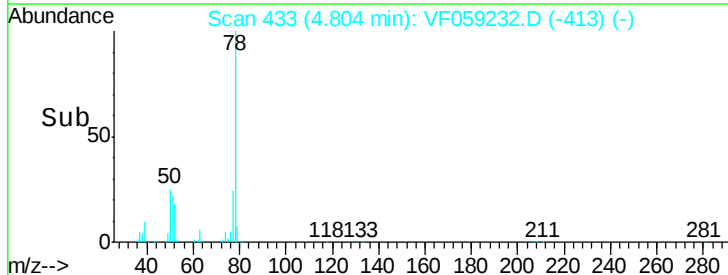
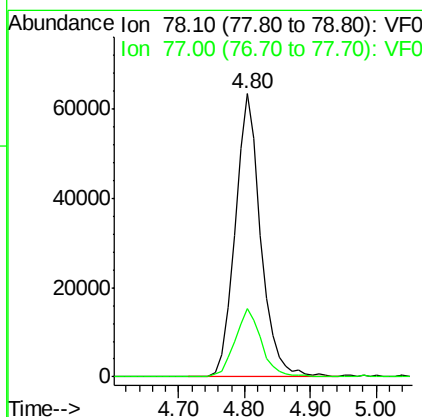
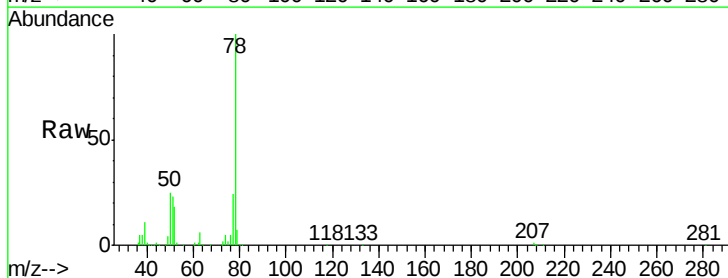
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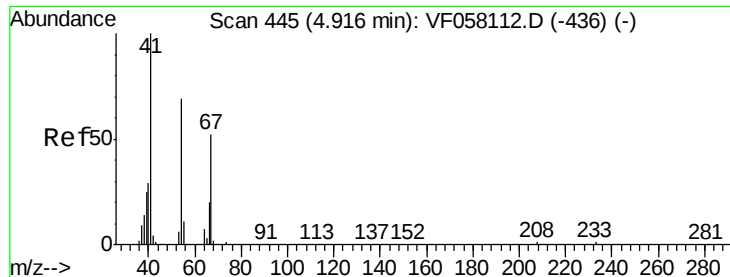
apatel
6/21/2018 9:45:50 AM



#40
Benzene
Concen: 20.28 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.2	30.2





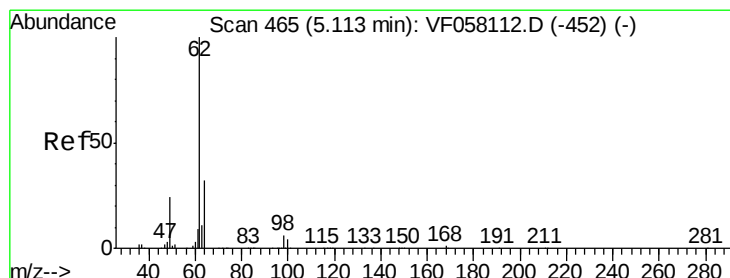
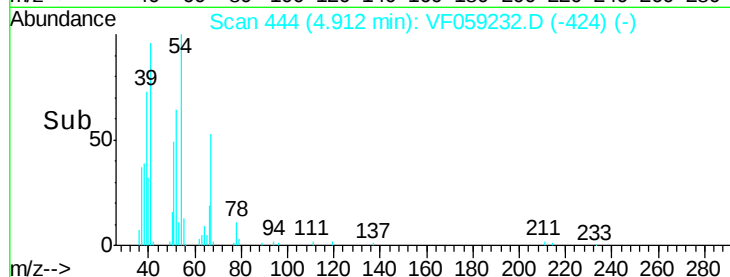
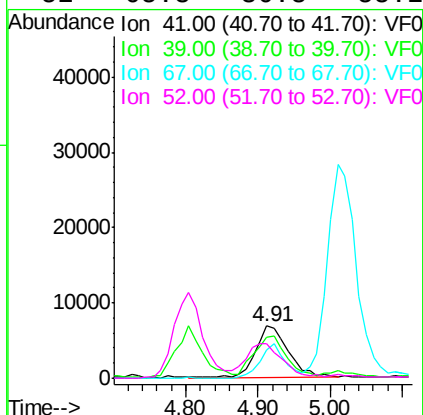
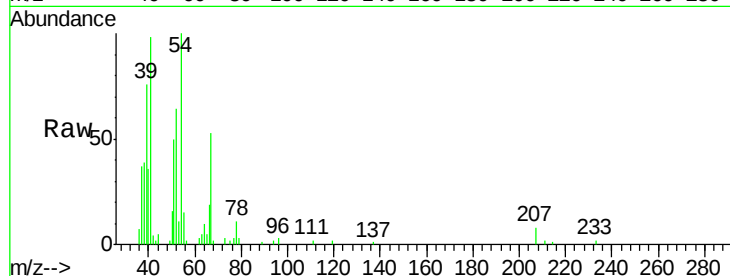
#41
Methacrylonitrile
Concen: 19.57 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.3	53.0	79.4
67	54.6	41.0	61.6
52	65.8	36.8	55.2#

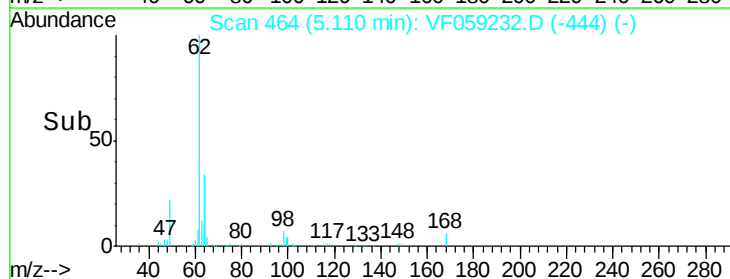
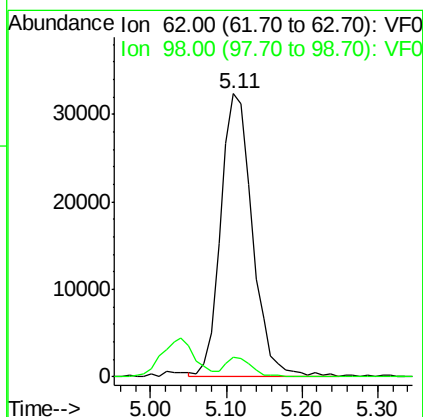
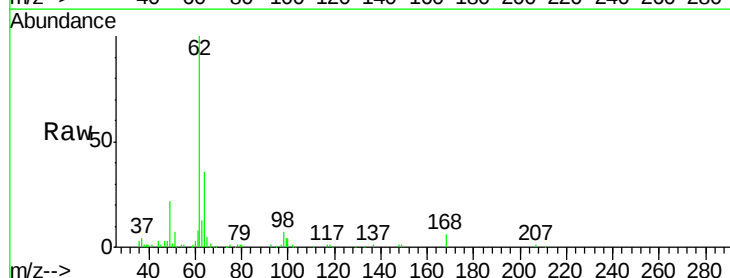
Manual Integrations
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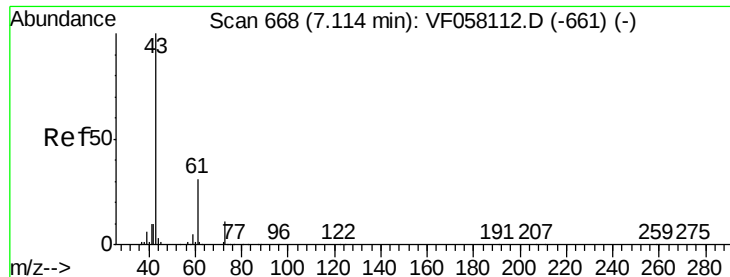
apatel
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#42
1,2-Dichloroethane
Concen: 24.64 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	11.8





#43

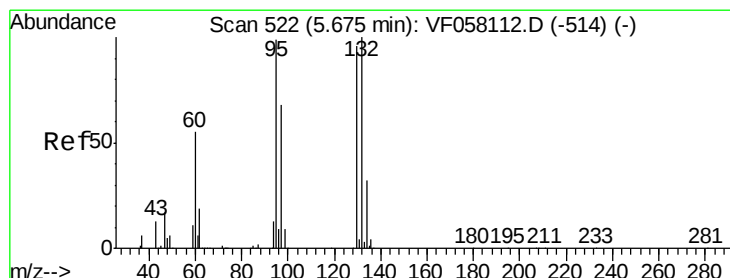
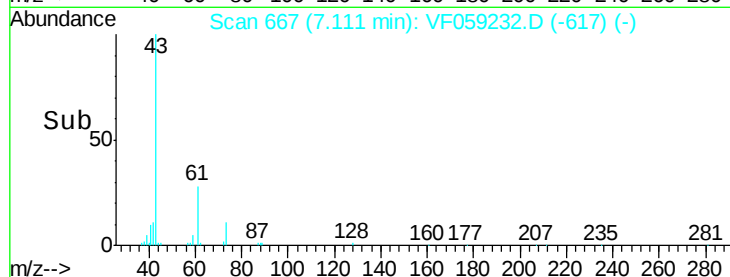
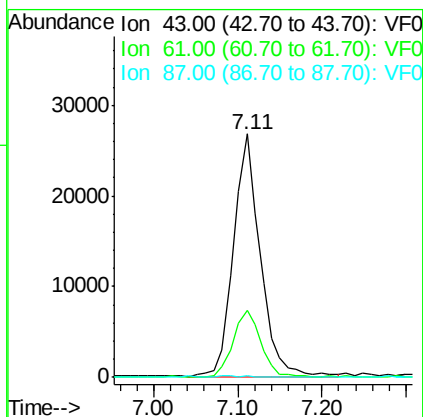
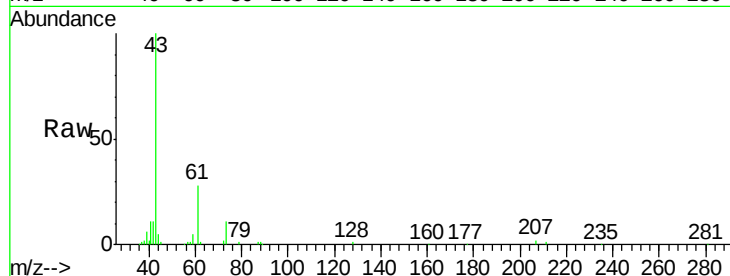
Isopropyl Acetate
 Concen: 19.39 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	25.1	37.7
87	0.8	0.2	0.4

Manual Integrations
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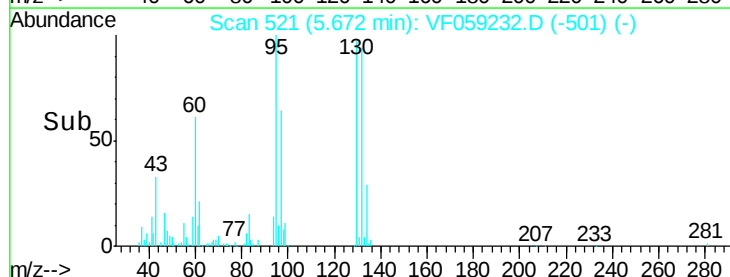
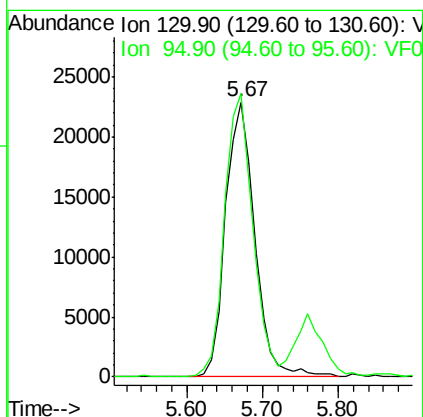
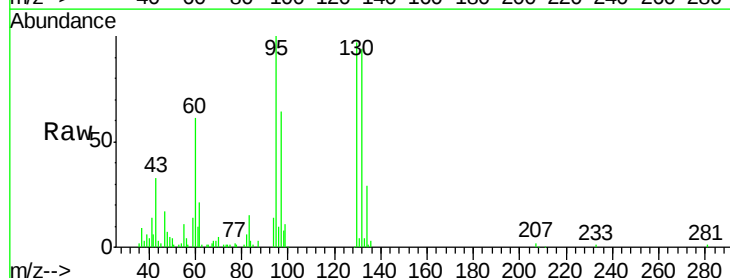
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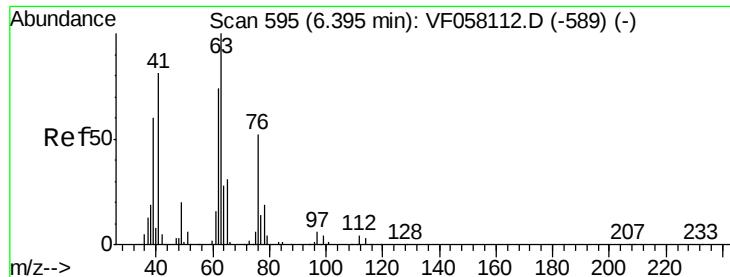


#44

Trichloroethene
 Concen: 22.96 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	206.8





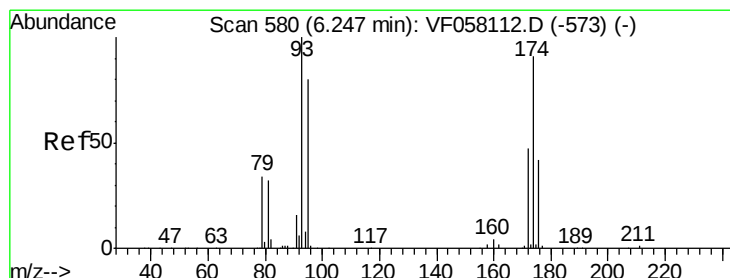
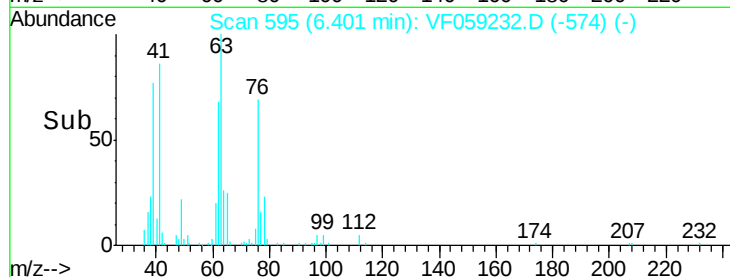
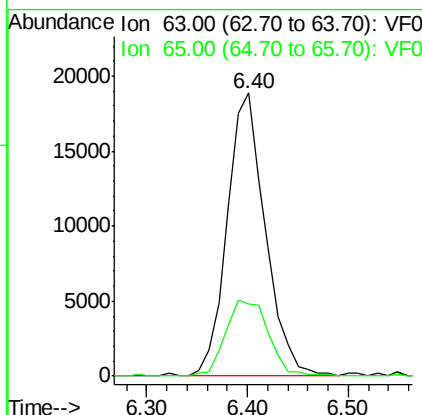
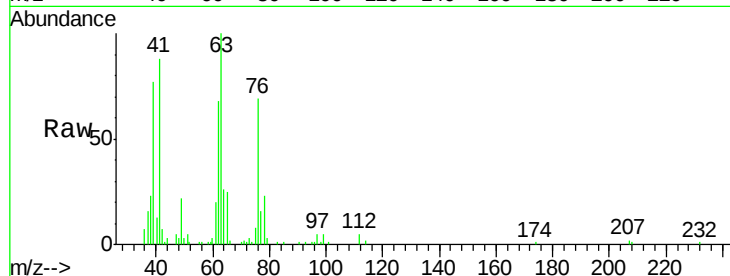
#45
 1,2-Dichloropropane
 Concen: 20.18 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion: 63 Resp: 49636
 Ion Ratio Lower Upper
 63 100
 65 25.5 24.6 37.0

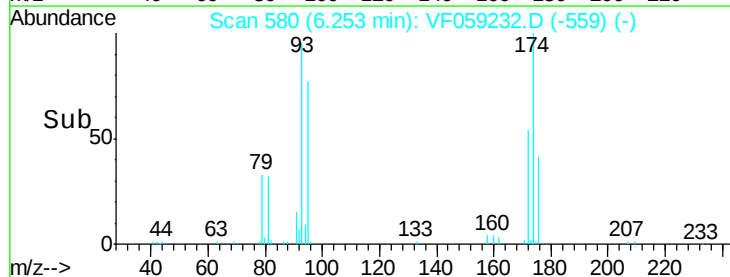
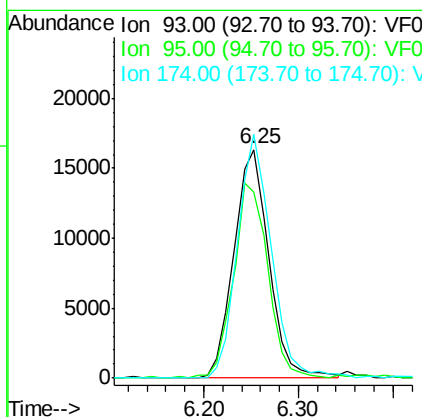
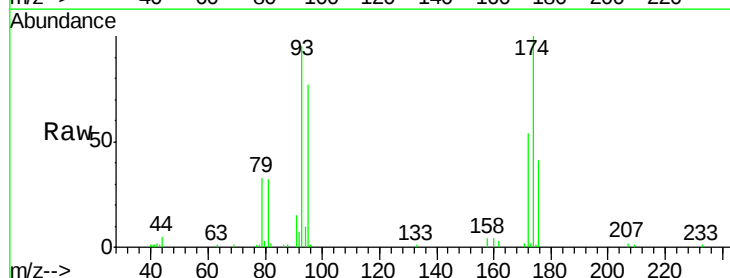
Manual Integrations
 APPROVED

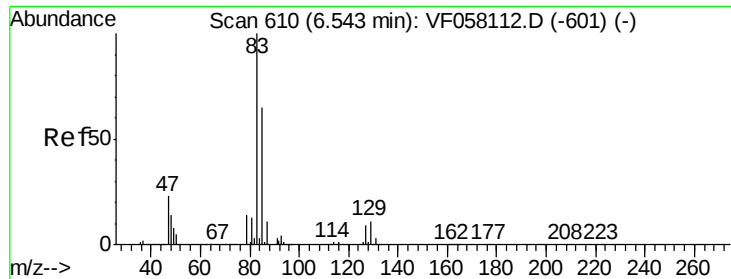
apatel
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#46
 Dibromomethane
 Concen: 22.66 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion: 93 Resp: 41938
 Ion Ratio Lower Upper
 93 100
 95 81.1 64.2 96.4
 174 106.5 72.7 109.1





#47

Bromodichloromethane

Concen: 23.97 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

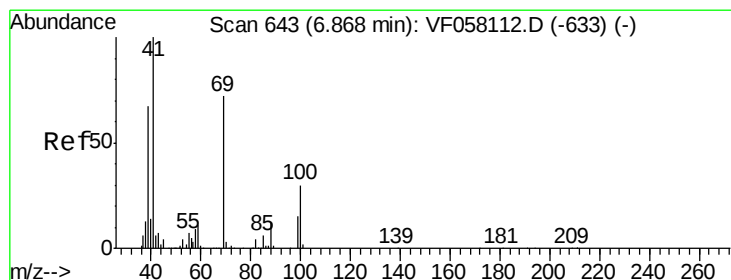
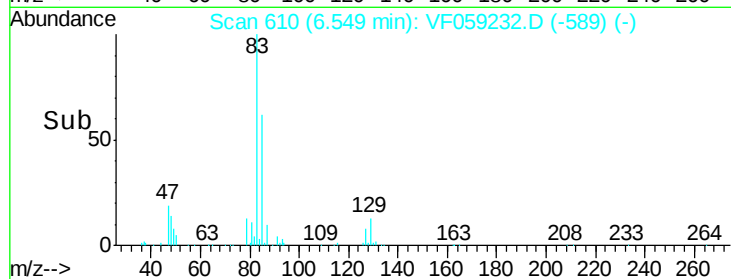
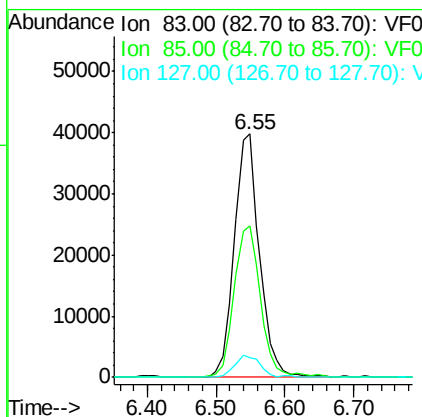
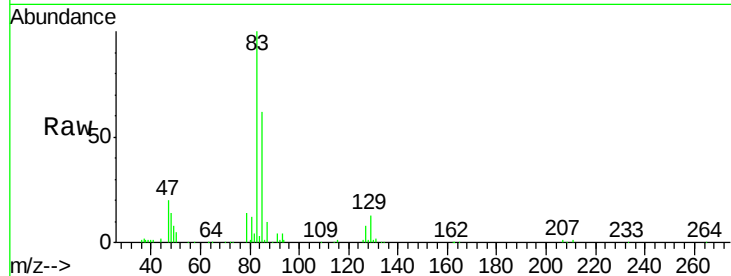
ClientSampleId :

VF0620SBS01

Tot Ion:	83	Resp:	100903
Ion Ratio	Lower	Upper	
83	100		
85	62.2	51.6	77.4
127	8.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.64 ug/l

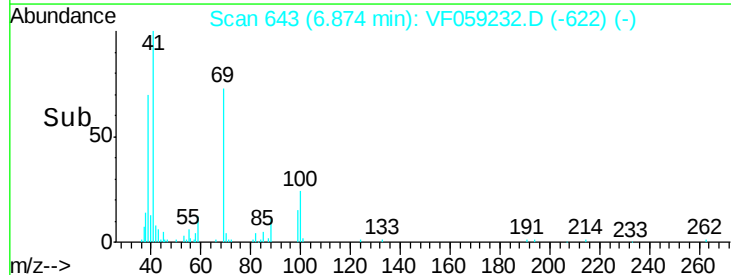
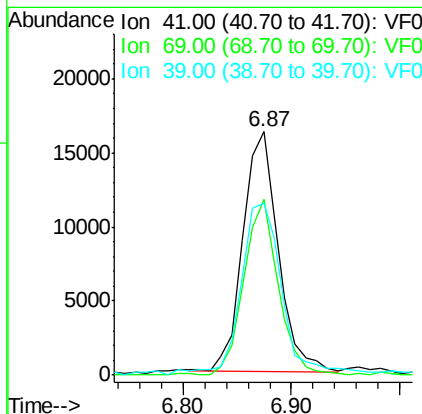
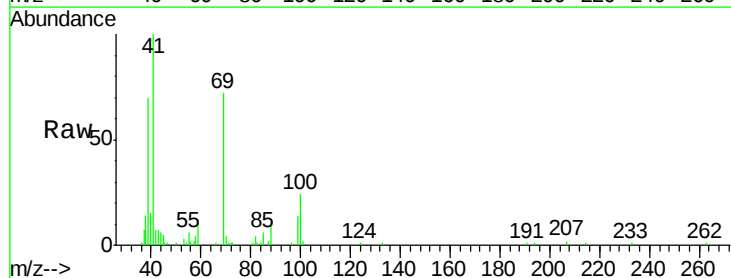
RT: 6.87 min Scan# 643

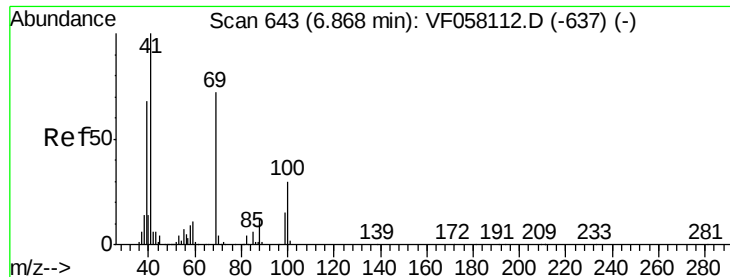
Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion:	41	Resp:	36824
Ion Ratio	Lower	Upper	
41	100		
69	72.1	57.2	85.8
39	70.5	54.3	81.5





#49

1,4-Dioxane

Concen: 384.99 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

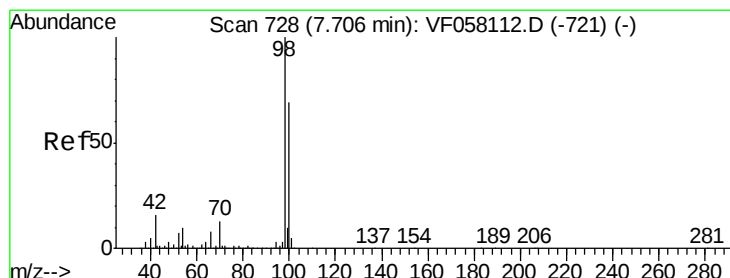
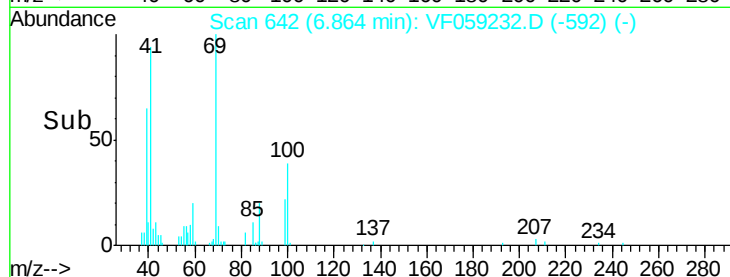
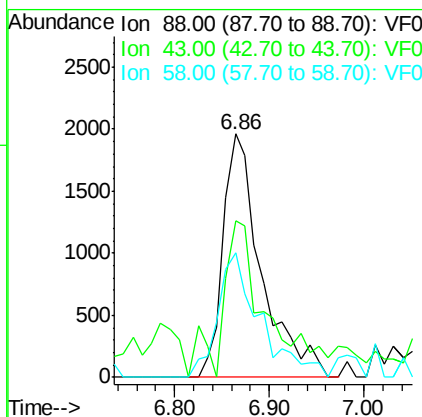
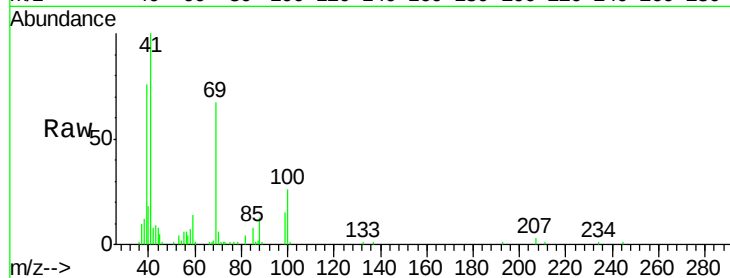
ClientSampleId :

VF0620SBS01

Tot Ion	88	Resp	5502
Ion	Ratio	Lower	Upper
88	100		
43	64.3	47.8	71.8
58	50.9	59.4	89.0

Manual Integrations
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#50

Toluene-d8

Concen: 50.41 ug/l

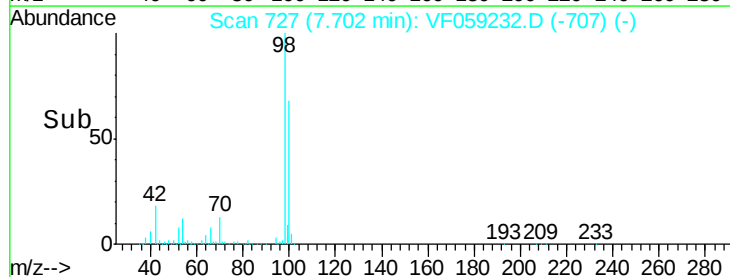
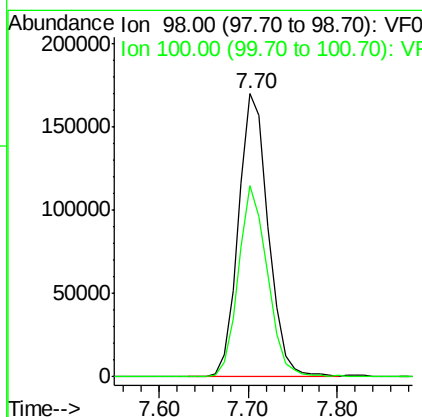
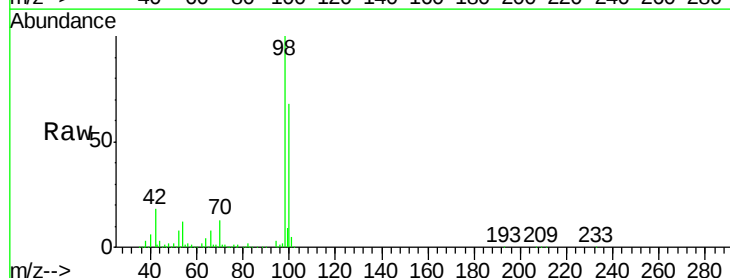
RT: 7.70 min Scan# 727

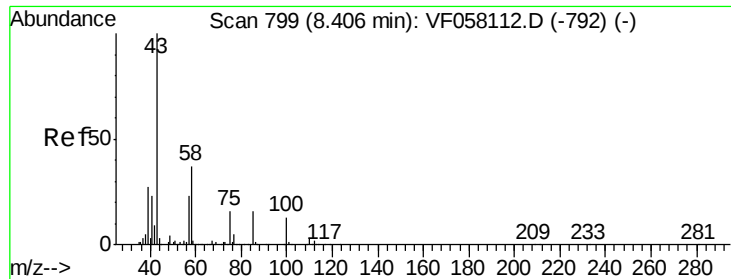
Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion	98	Resp	393993
Ion	Ratio	Lower	Upper
98	100		
100	67.7	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 109.27 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 43 Resp: 227752

Ion Ratio Lower Upper

43 100

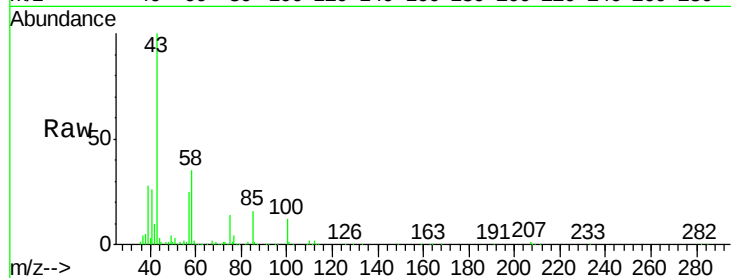
58 35.1 29.4 44.0

Manual Integrations

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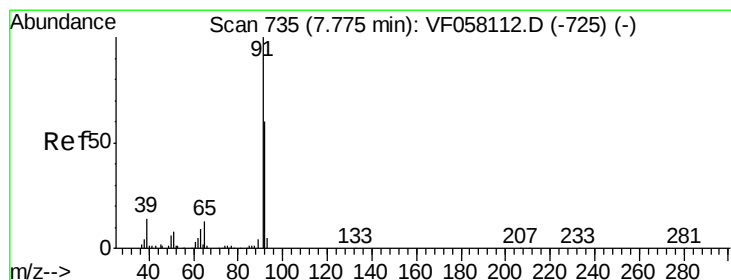
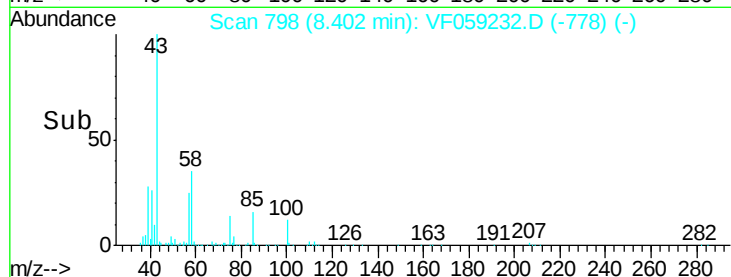
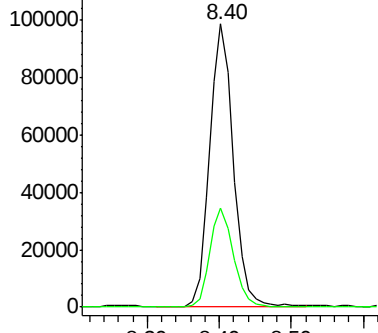
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.18 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059232.D

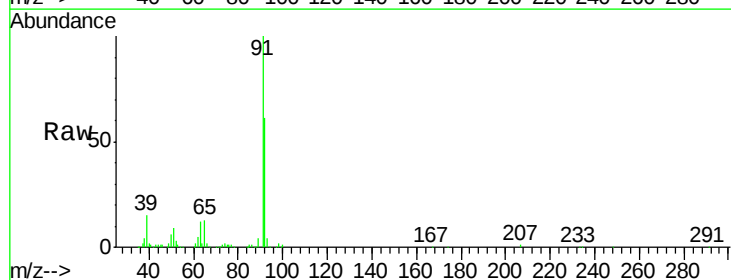
Acq: 20 Jun 2018 18:13

Tgt Ion: 92 Resp: 130146

Ion Ratio Lower Upper

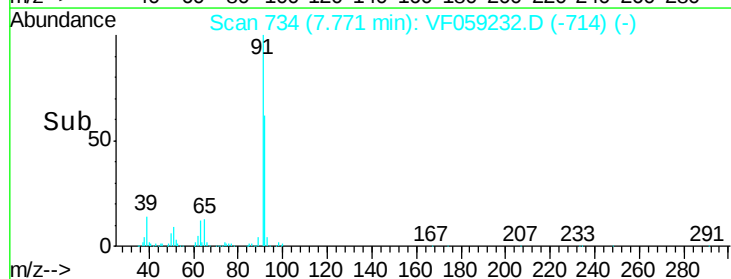
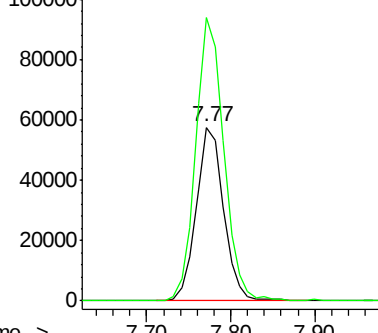
92 100

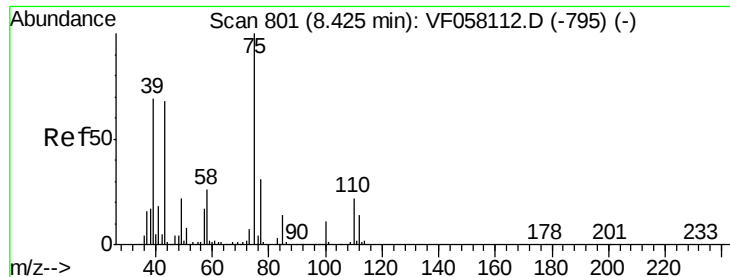
91 162.8 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





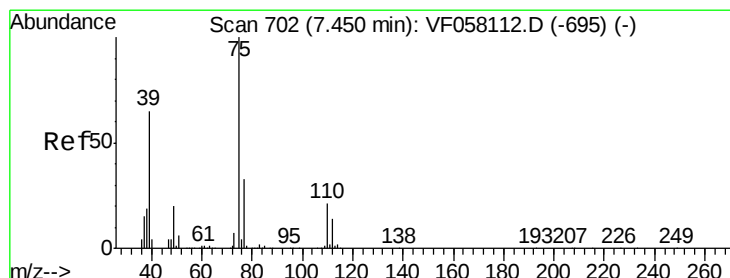
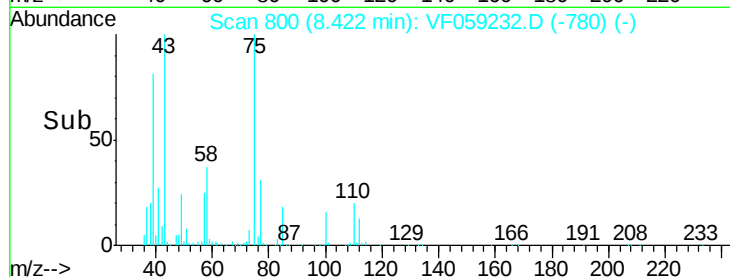
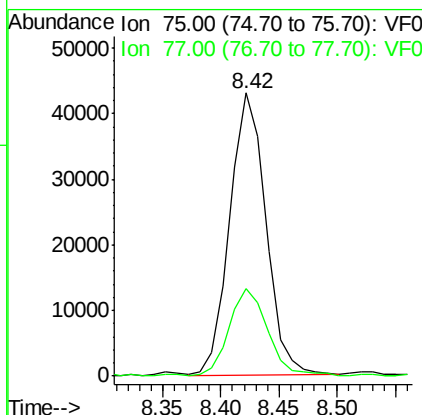
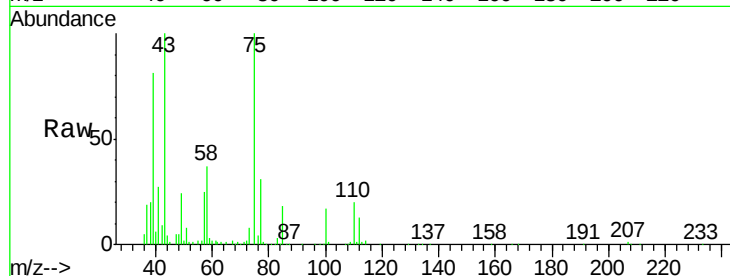
#53
t-1,3-Dichloropropene
Concen: 22.75 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7

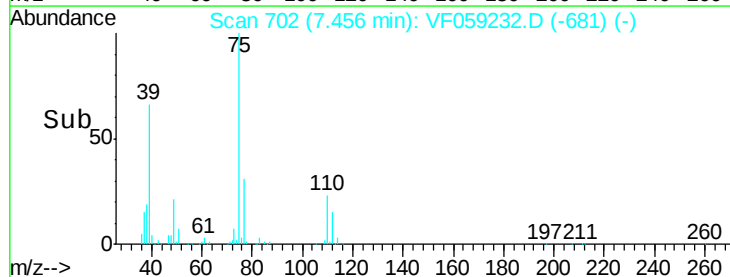
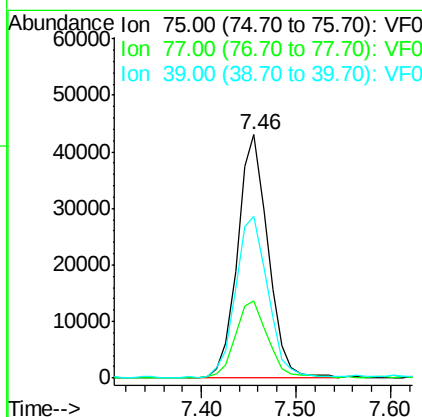
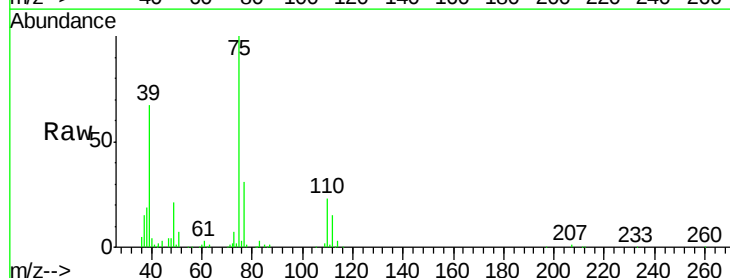
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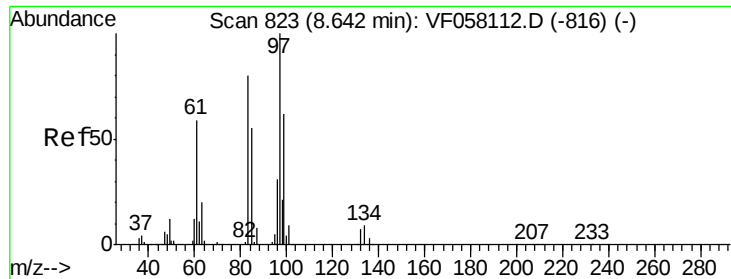
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.58 ug/l
RT: 7.46 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.3	39.5
39	66.7	52.1	78.1





#55

1,1,2-Trichloroethane

Concen: 21.91 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

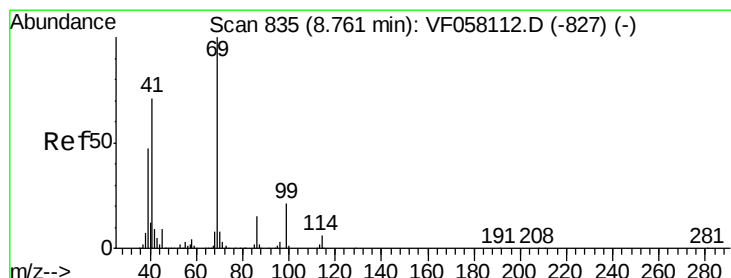
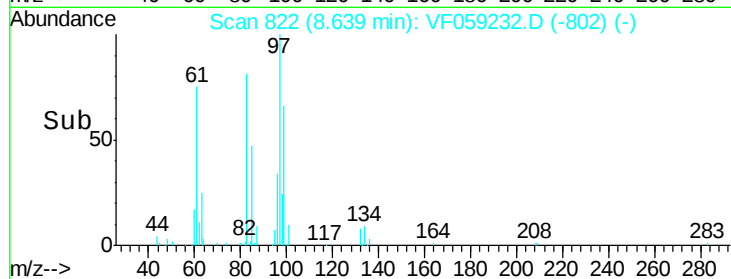
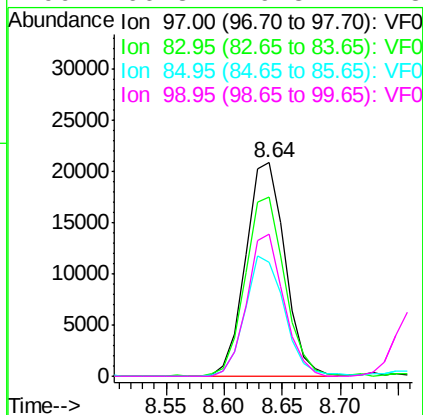
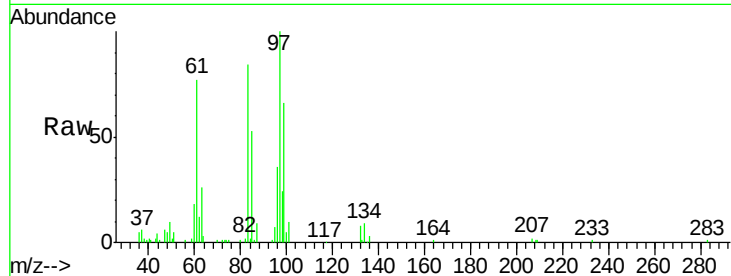
ClientSampleId :

VF0620SBS01

Tot Ion:	97	Resp:	48776
Ion	Ratio	Lower	Upper
97	100		
83	83.9	64.3	96.5
85	53.2	43.8	65.8
99	66.3	49.8	74.8

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#56

Ethyl methacrylate

Concen: 20.73 ug/l

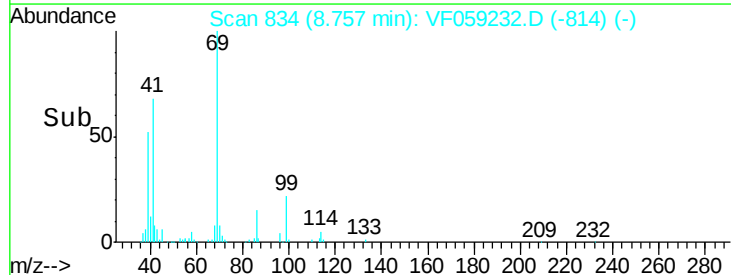
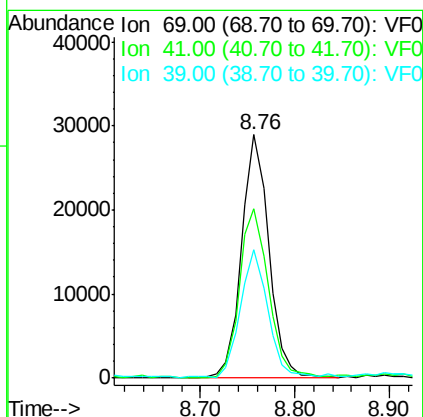
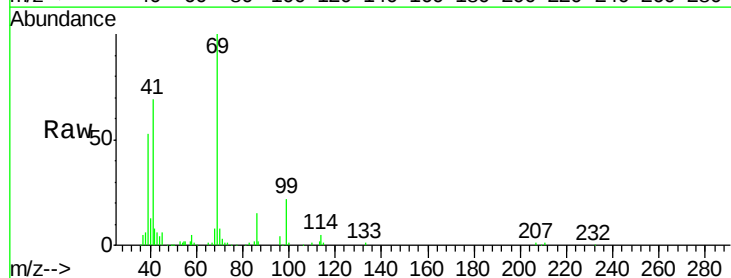
RT: 8.76 min Scan# 834

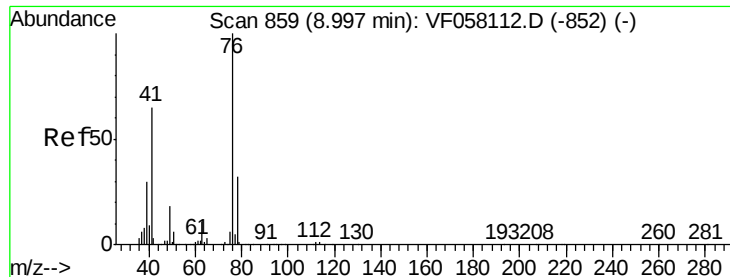
Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion:	69	Resp:	58183
Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.9	85.3
39	52.6	38.0	57.0





#57

1,3-Dichloropropane

Concen: 22.61 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBSD01

Tot Ion: 76 Resp: 86088

Ion Ratio Lower Upper

76 100

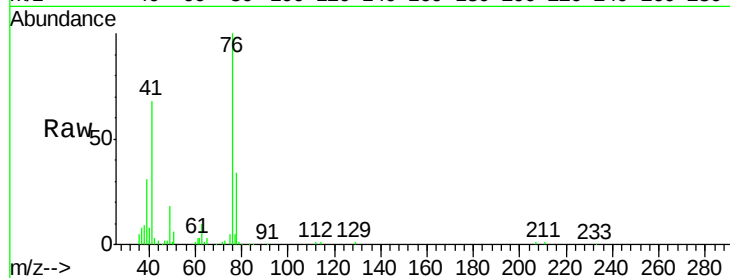
78 34.4 25.8 38.6

Manual Integrations

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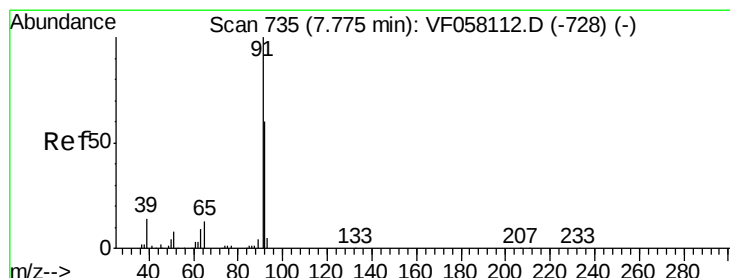
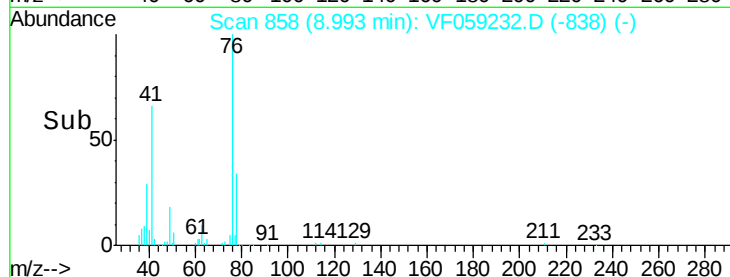
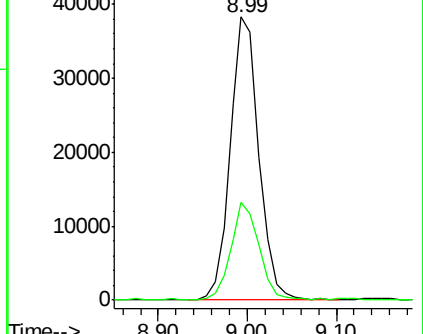
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 127.90 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059232.D

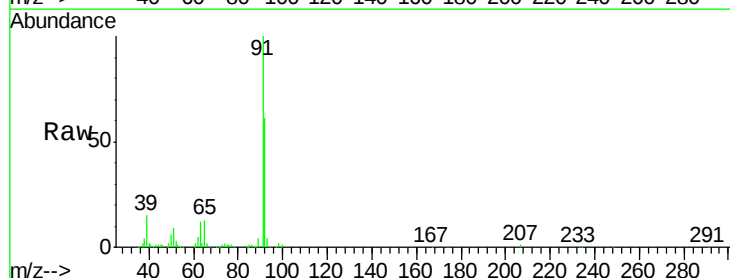
Acq: 20 Jun 2018 18:13

Tgt Ion: 63 Resp: 25663

Ion Ratio Lower Upper

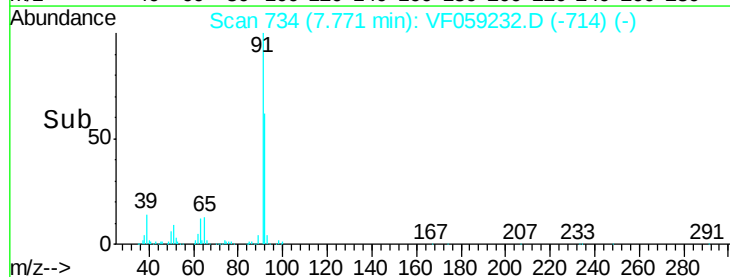
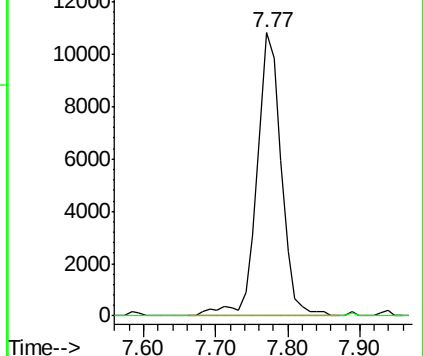
63 100

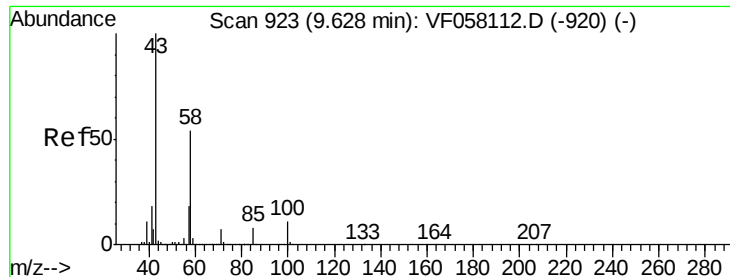
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 110.27 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 43 Resp: 181789

Ion Ratio Lower Upper

43 100

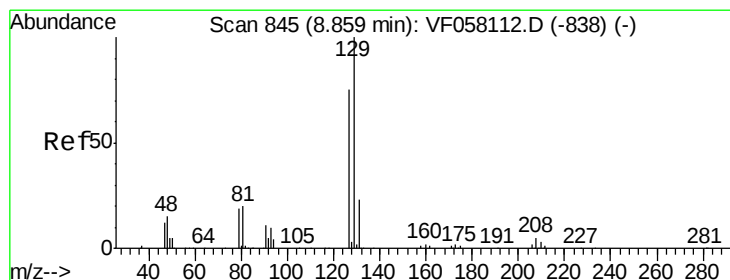
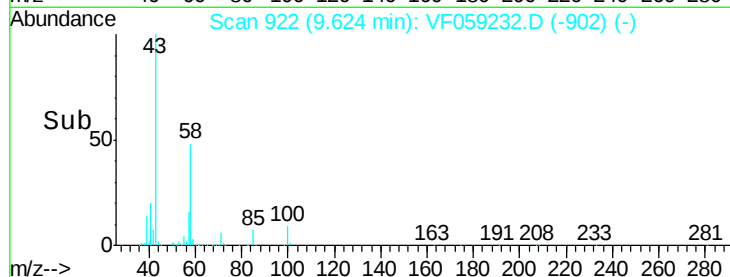
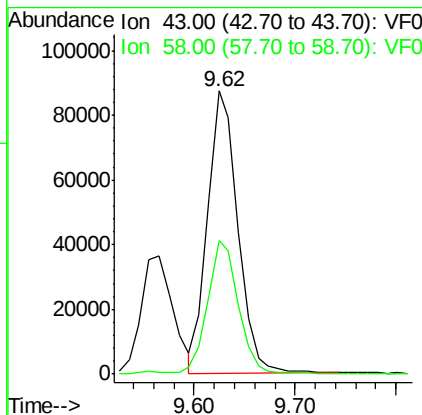
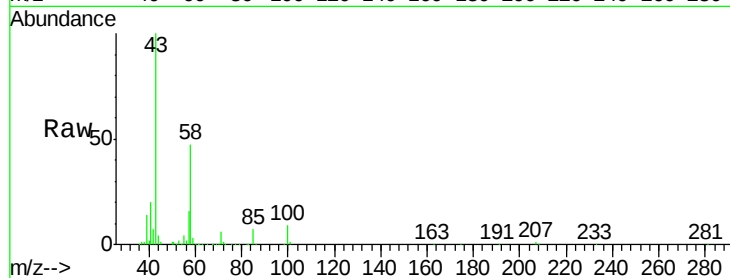
58 47.4 26.3 78.8

Manual Integrations

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#60

Dibromochloromethane

Concen: 22.87 ug/l

RT: 8.86 min Scan# 844

Delta R.T. -0.00 min

Lab File: VF059232.D

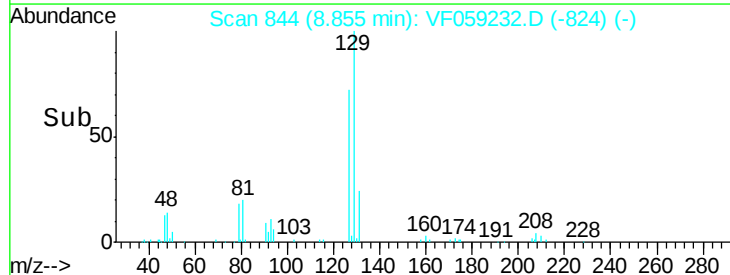
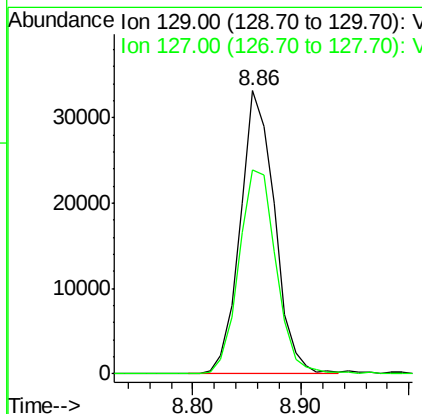
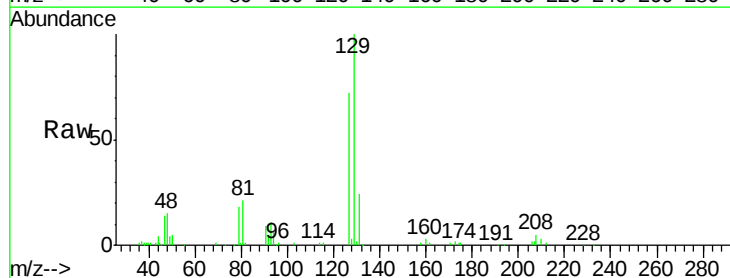
Acq: 20 Jun 2018 18:13

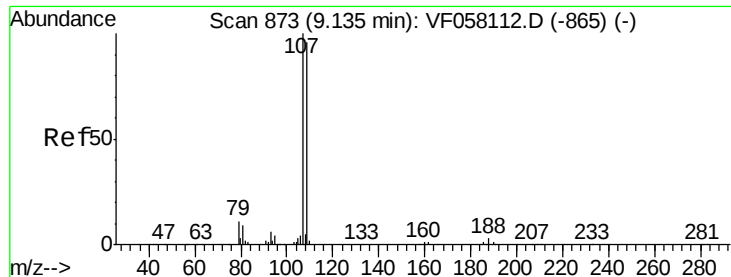
Tgt Ion: 129 Resp: 73174

Ion Ratio Lower Upper

129 100

127 72.0 37.6 112.9





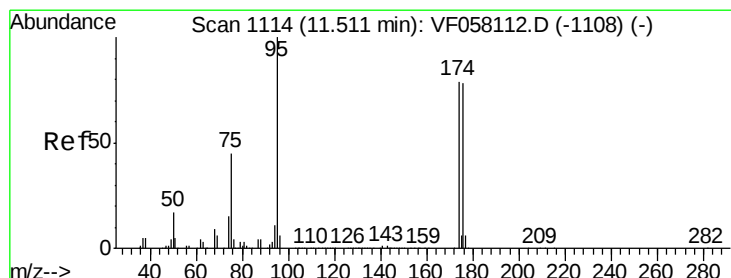
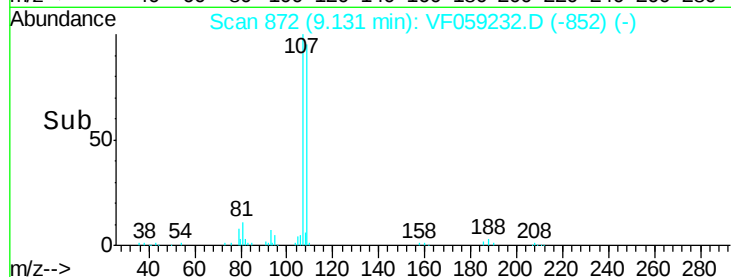
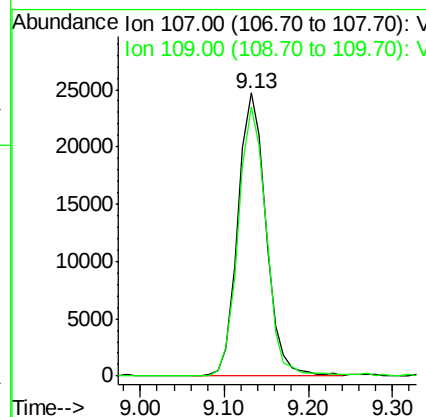
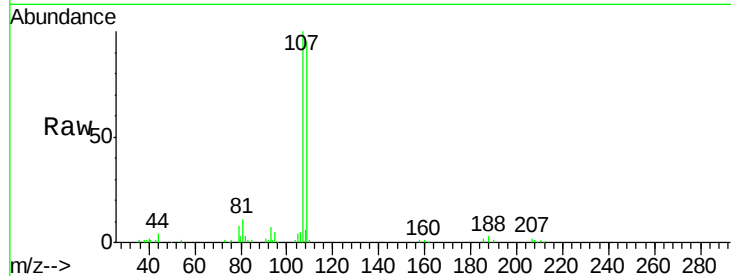
#61
 1,2-Dibromoethane
 Concen: 22.25 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.6	115.0

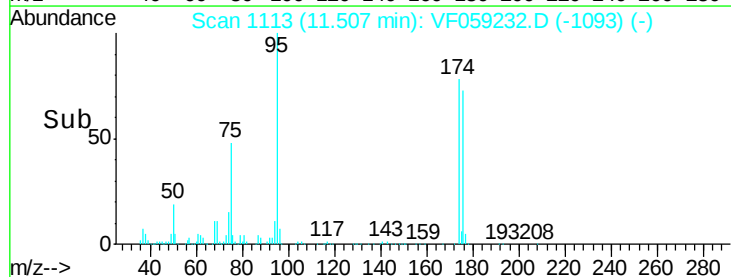
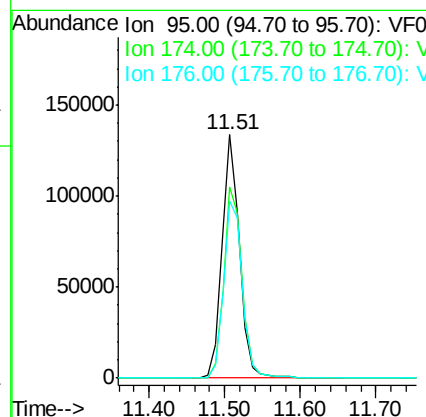
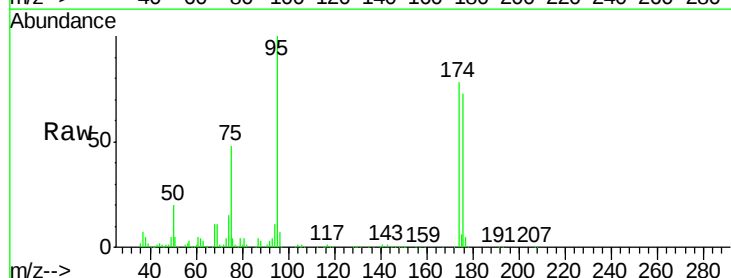
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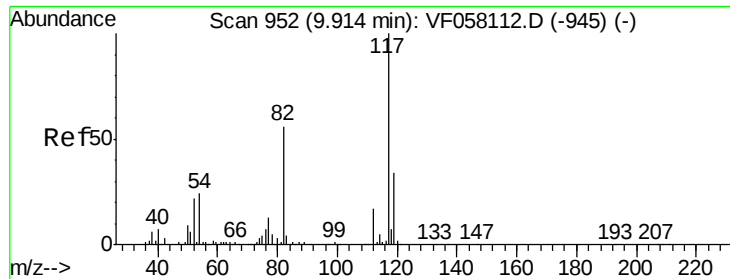
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.53 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	157.8
176	72.5	0.0	155.8





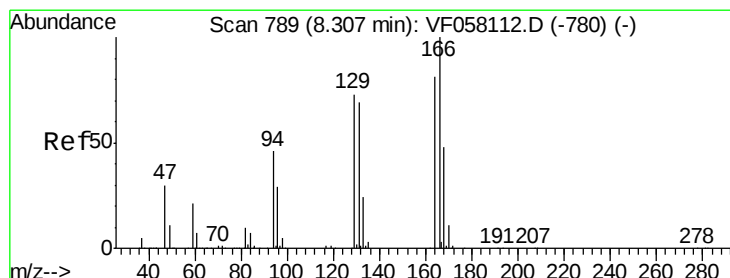
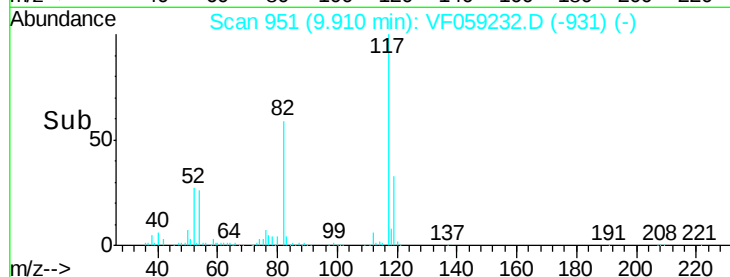
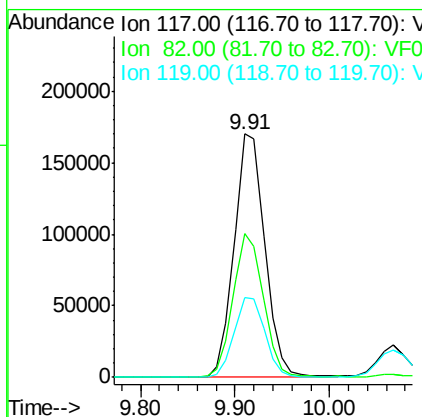
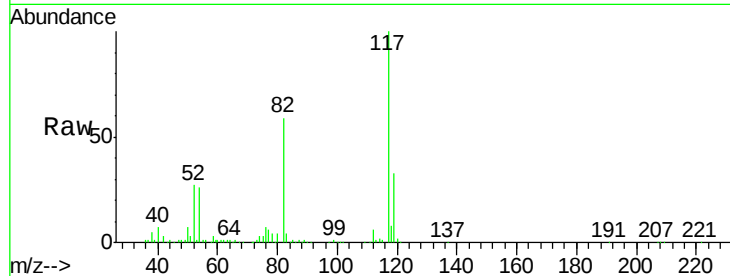
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	384907		
82	59.1	45.2	67.8	
119	32.6	27.5	41.3	

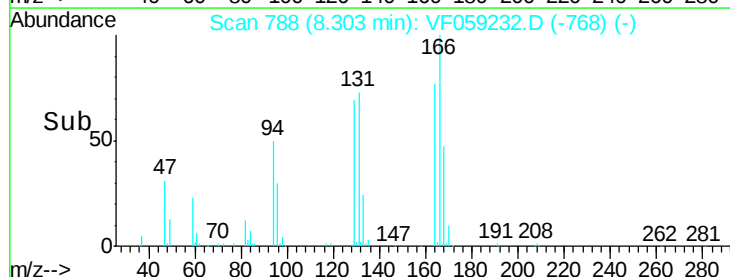
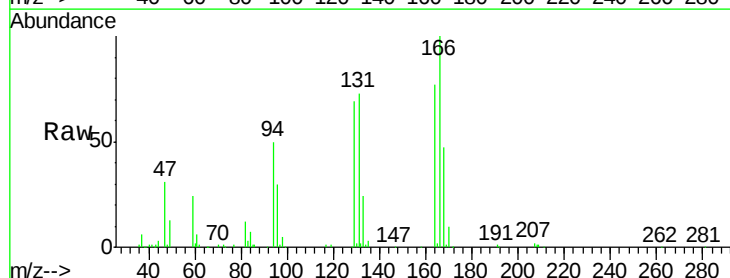
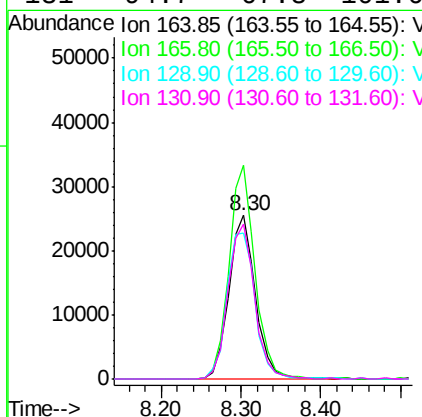
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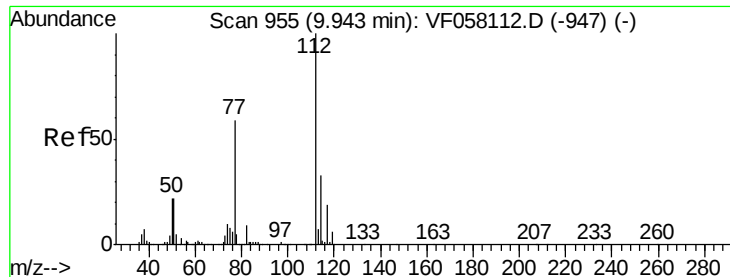
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#64
Tetrachloroethene
Concen: 20.95 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59149		
166	130.5	98.2	147.4	
129	89.4	71.6	107.4	
131	94.7	67.8	101.6	





#65

Chlorobenzene

Concen: 22.07 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion:112 Resp: 168224

Ion Ratio Lower Upper

112 100

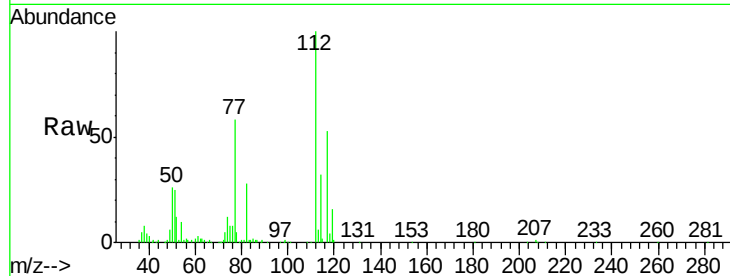
114 32.0 26.2 39.4

Manual Integrations

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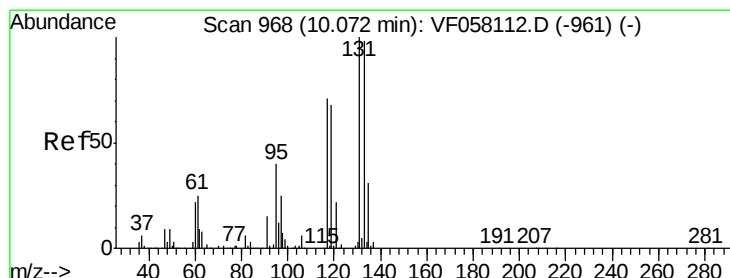
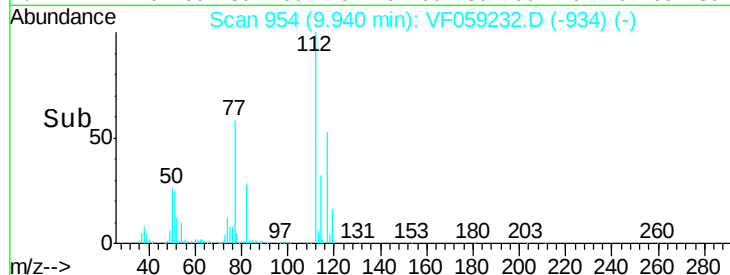
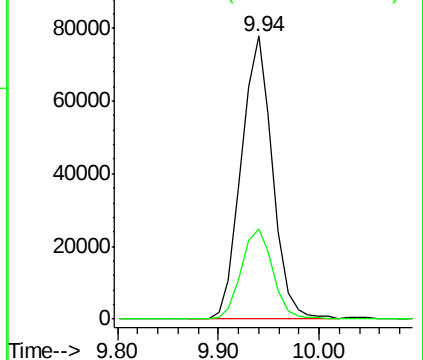
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.52 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

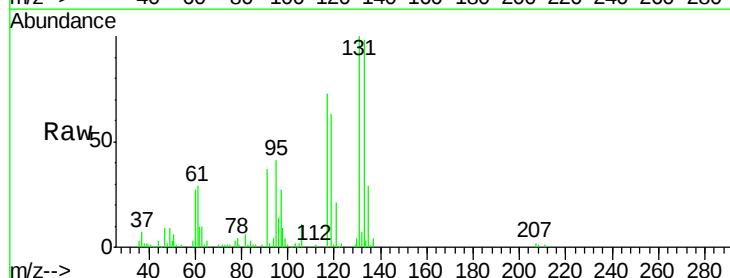
Tgt Ion:131 Resp: 68273

Ion Ratio Lower Upper

131 100

133 97.9 49.1 147.4

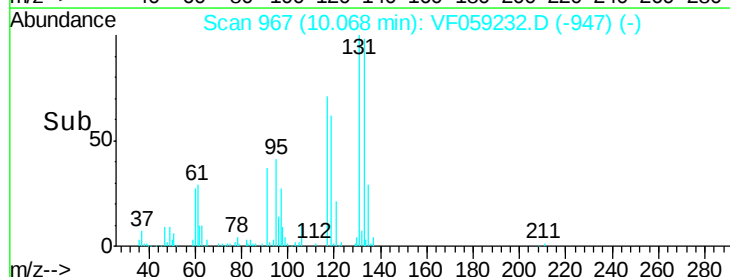
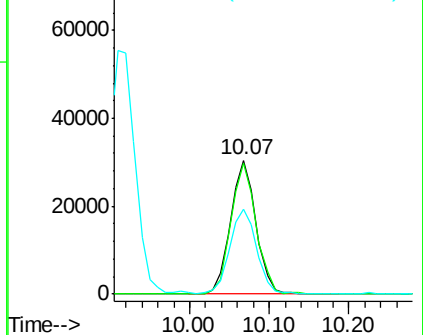
119 63.4 34.3 102.8

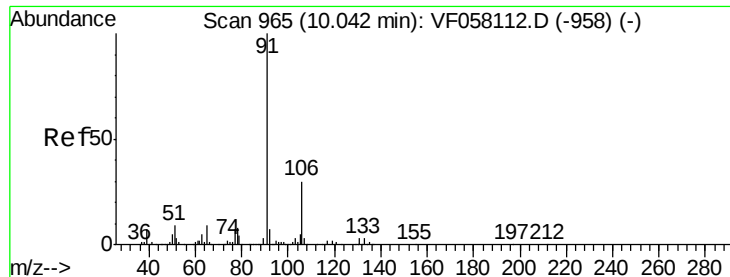


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.07 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 91 Resp: 279030

Ion Ratio Lower Upper

91 100

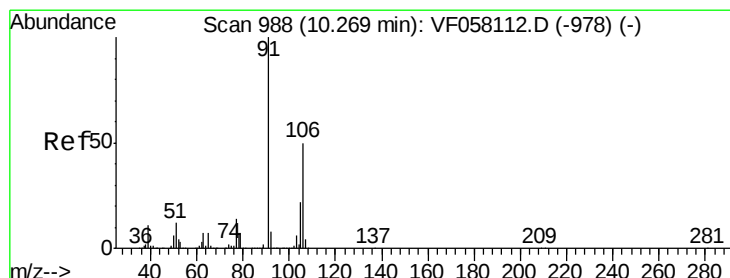
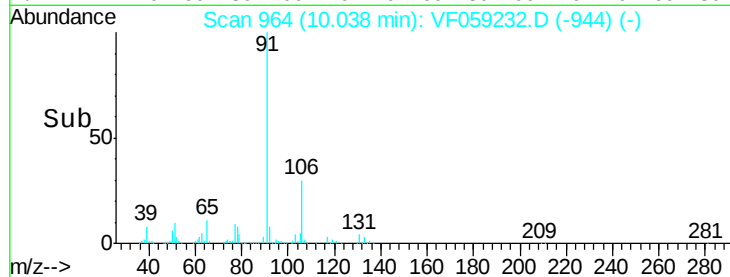
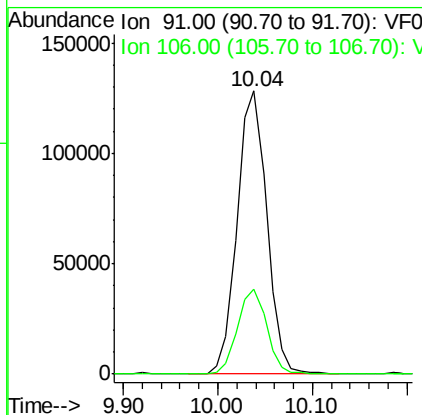
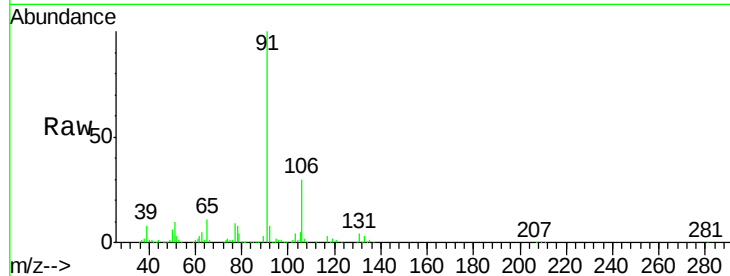
106 30.2 24.2 36.4

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#68

m/p-Xylenes

Concen: 41.08 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059232.D

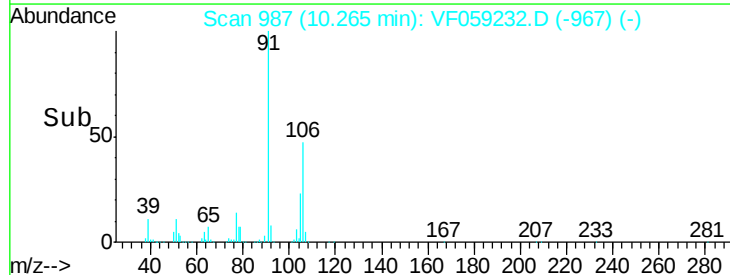
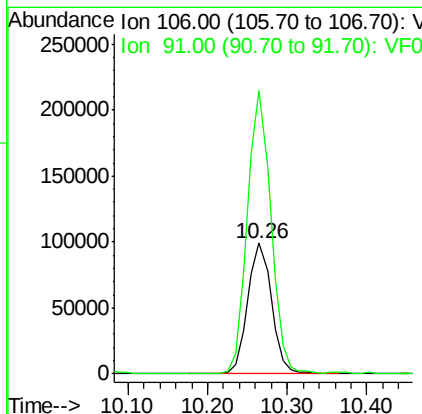
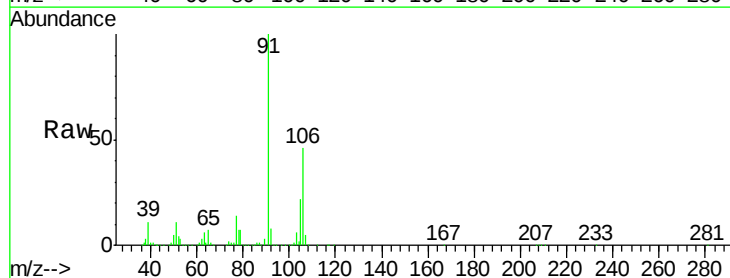
Acq: 20 Jun 2018 18:13

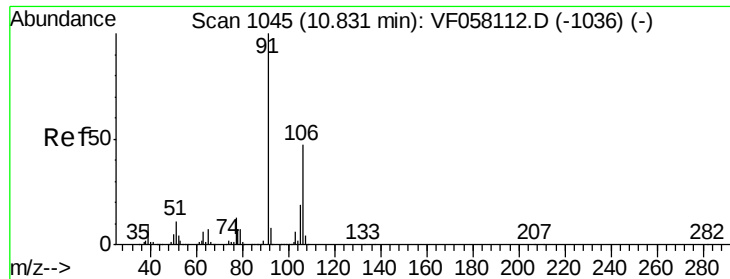
Tgt Ion: 106 Resp: 203697

Ion Ratio Lower Upper

106 100

91 216.8 160.7 241.1





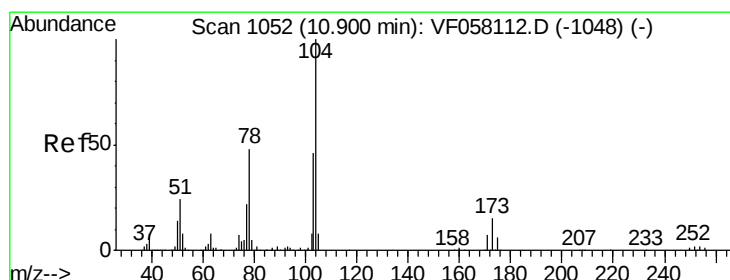
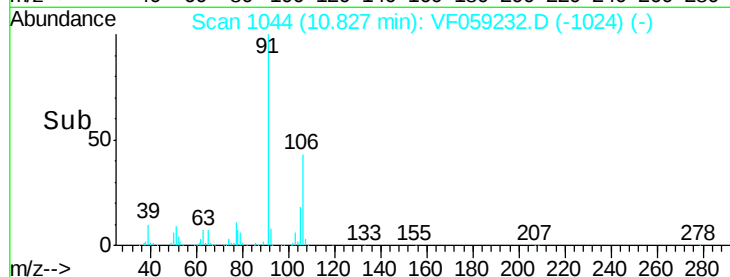
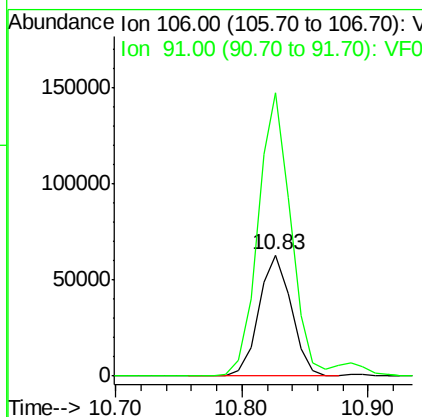
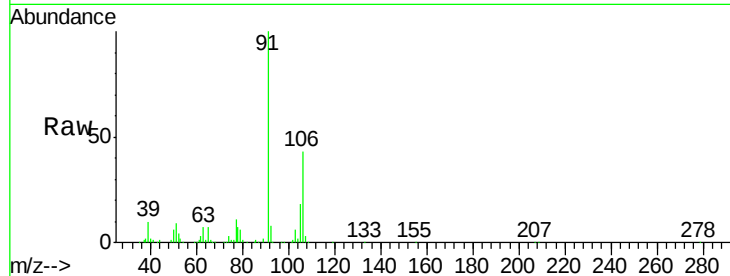
#69
o-Xylene
Concen: 21.12 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	233.8	107.0	321.0

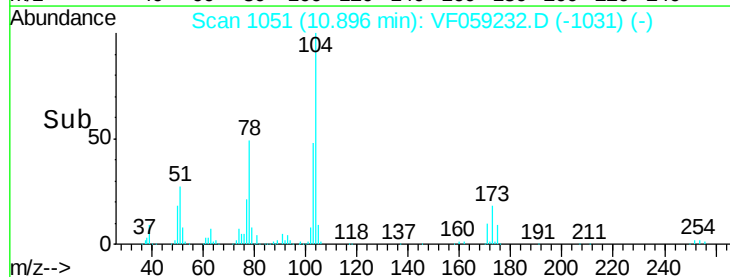
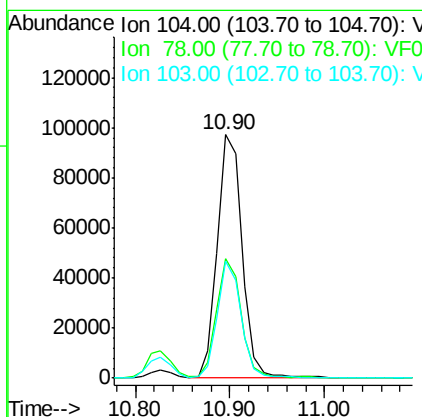
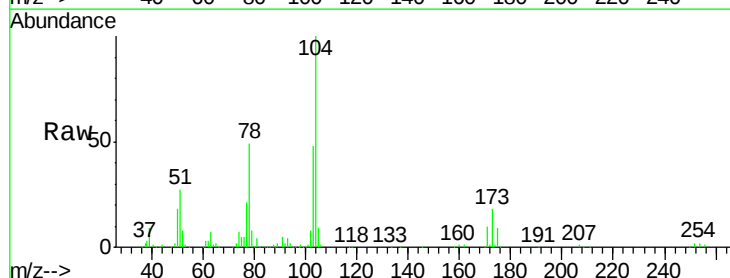
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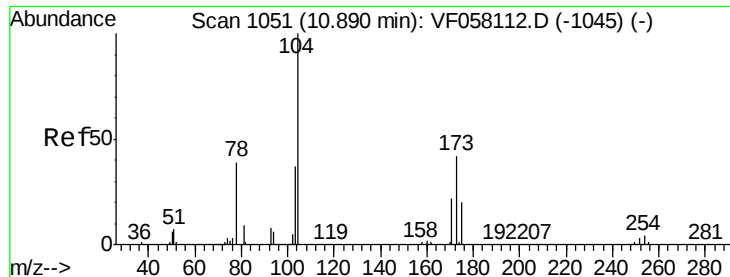
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#70
Styrene
Concen: 21.73 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.4	57.6
103	48.0	37.0	55.6





#71

Bromoform

Concen: 22.98 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

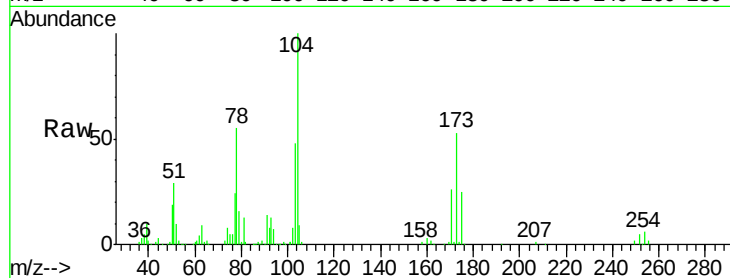
ClientSampleId :

VF0620SBS01

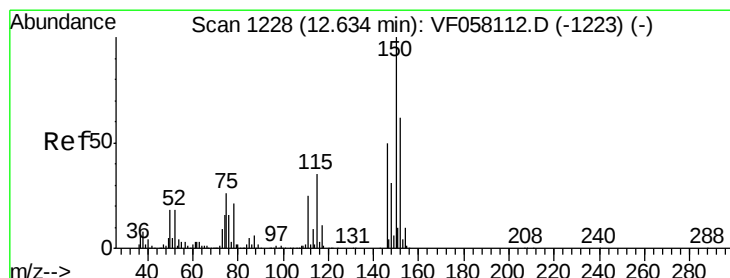
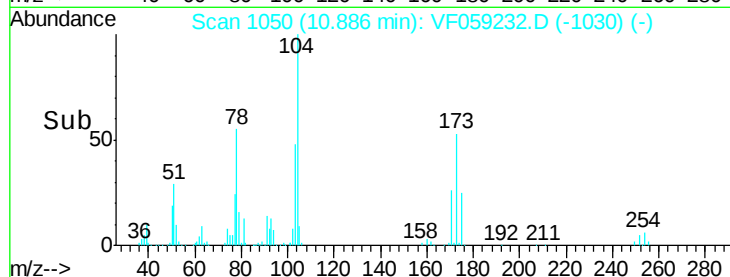
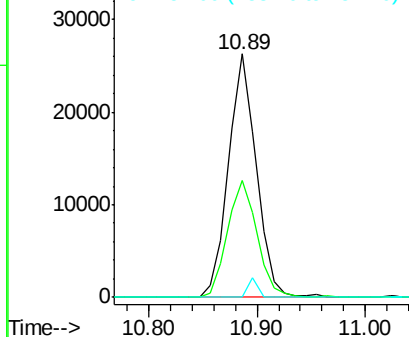
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.0	7.8	11.8

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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

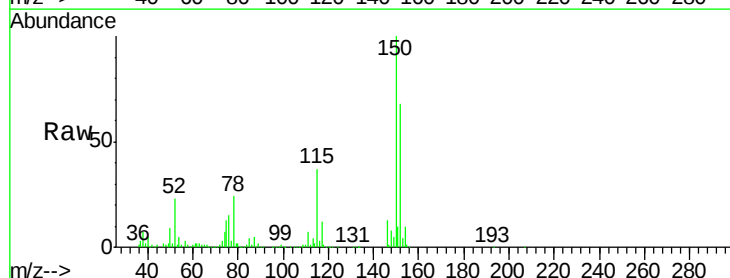
RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

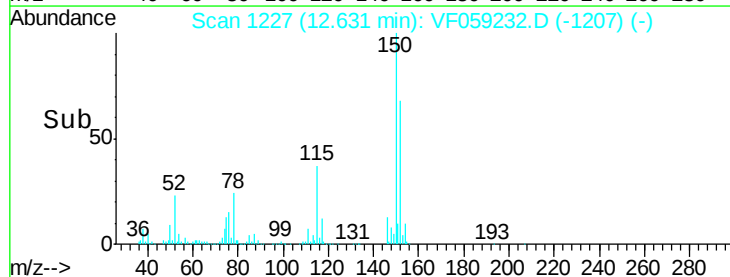
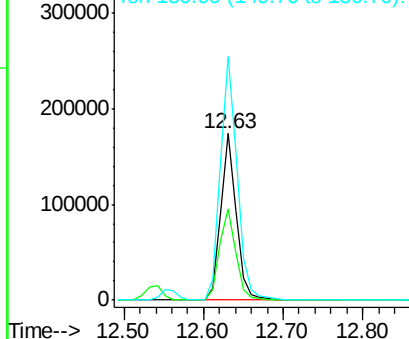
Lab File: VF059232.D

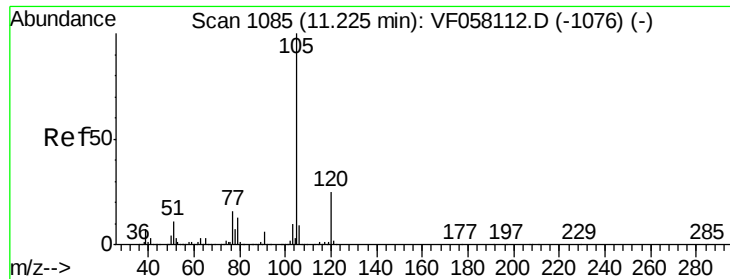
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	28.5	85.5
150	146.1	0.0	323.8



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: 20.20 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion:105 Resp: 337832

Ion Ratio Lower Upper

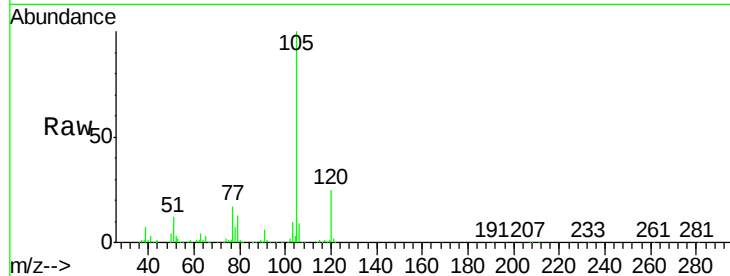
105 100

120 24.5 12.7 38.1

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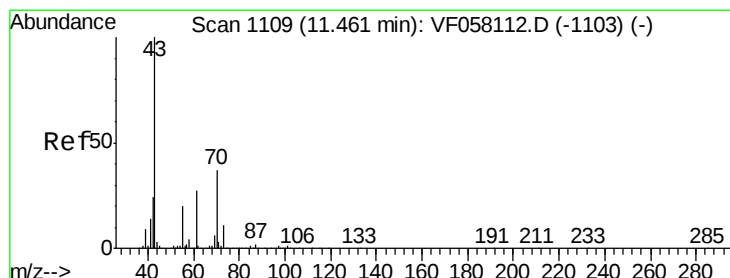
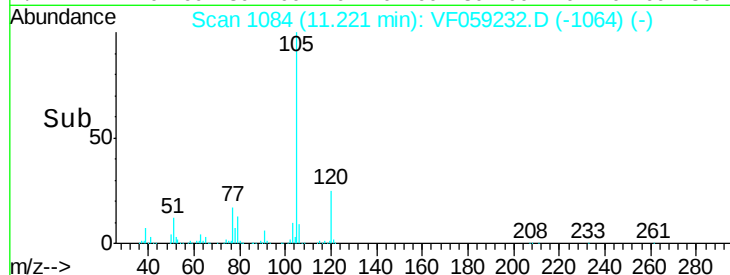
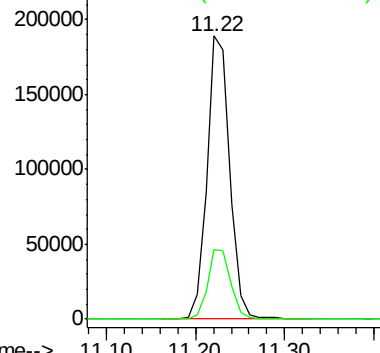
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.98 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion: 43 Resp: 113423

Ion Ratio Lower Upper

43 100

70 36.5 29.2 43.8

55 21.2 15.8 23.6

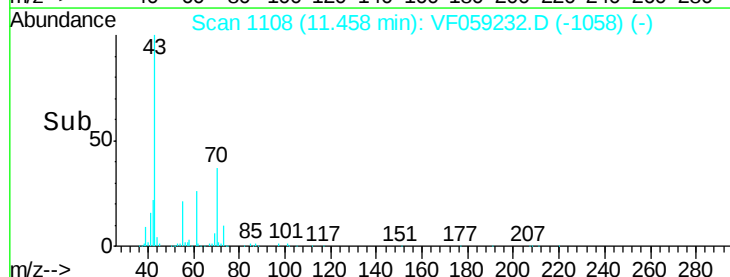
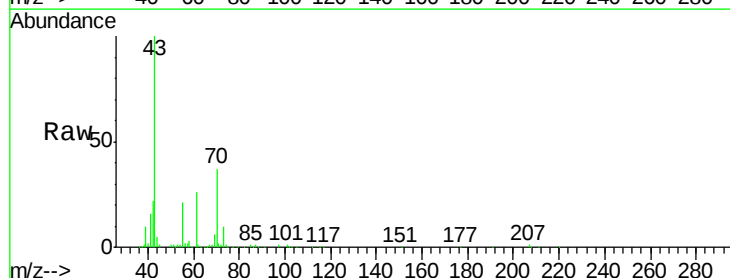
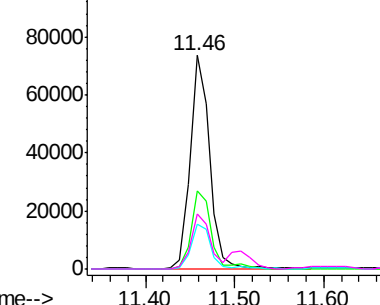
61 25.6 21.3 31.9

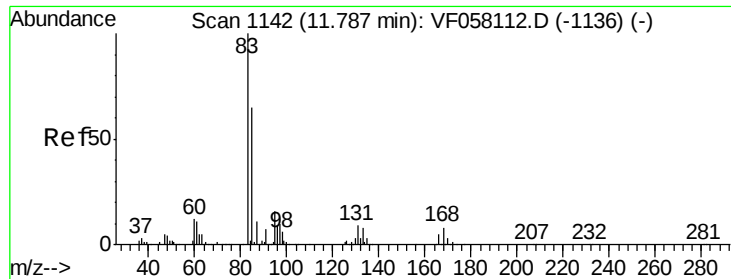
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.28 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

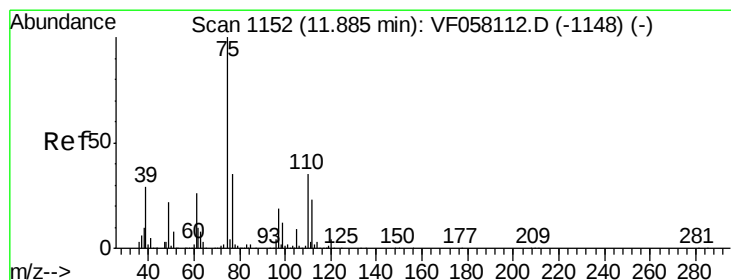
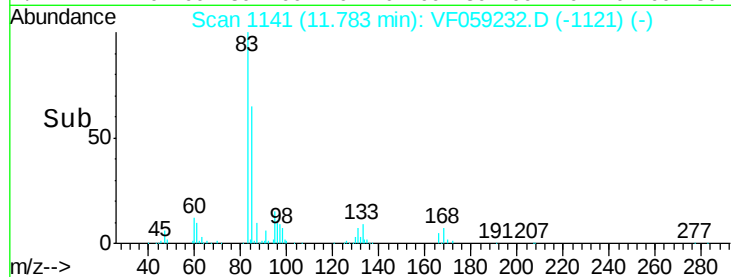
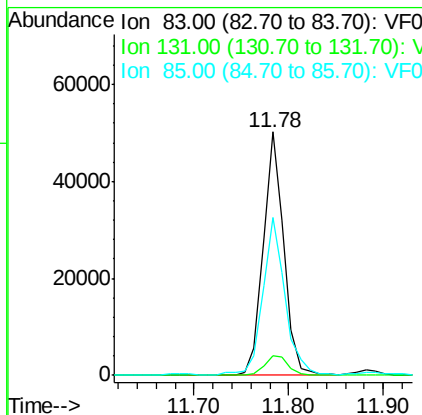
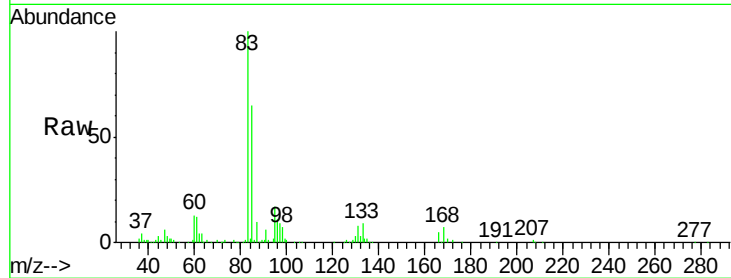
ClientSampleId :

VF0620SBSD01

Tot Ion	83	Resp	76449
Ion Ratio	100	Lower	Upper
83	100		
131	8.0	4.5	13.7
85	64.9	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 19.83 ug/l

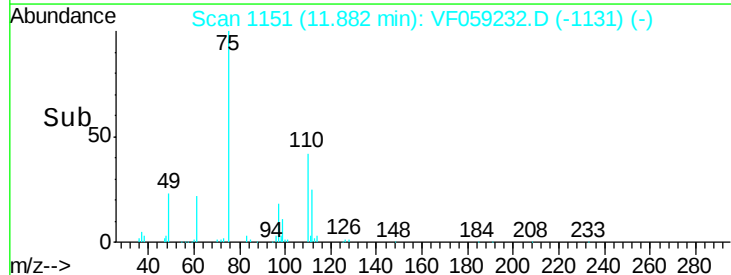
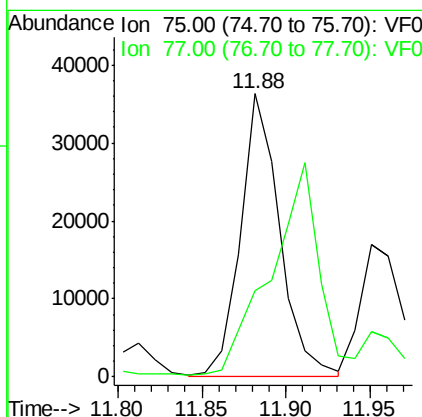
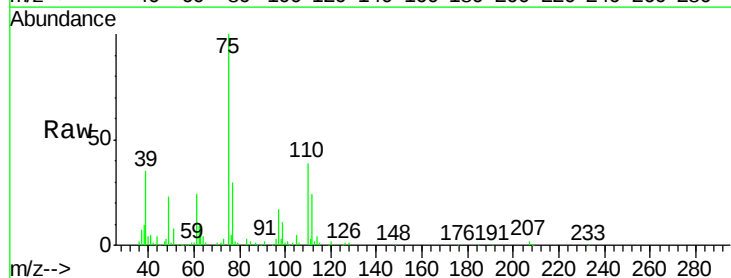
RT: 11.88 min Scan# 1151

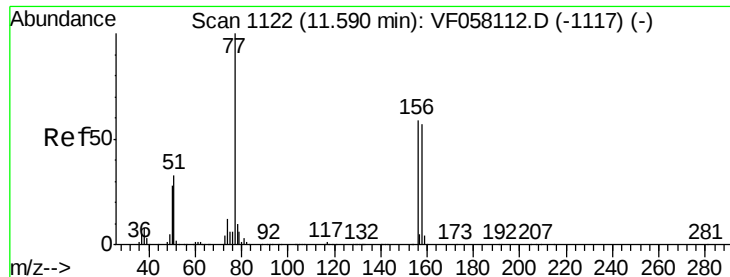
Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion	75	Resp	58087
Ion Ratio	100	Lower	Upper
75	100		
77	30.4	17.5	52.5





#77

Bromobenzene

Concen: 20.56 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

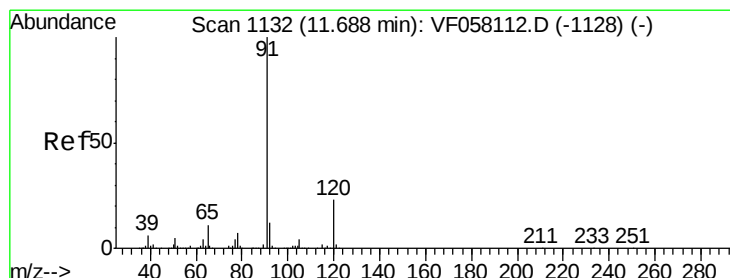
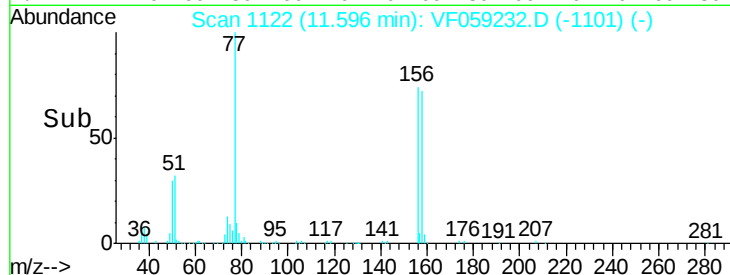
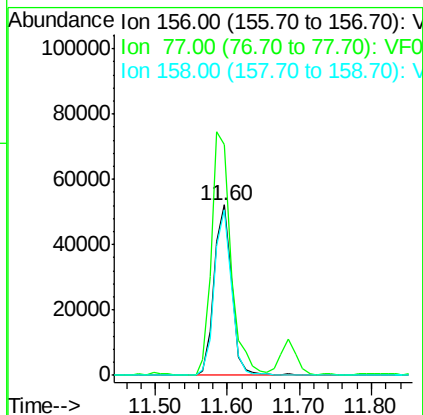
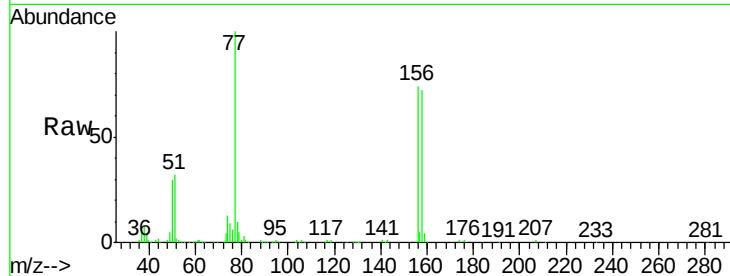
ClientSampleId :

VF0620SBS01

Tot Ion:	156	Resp:	86541
Ion Ratio	Lower	Upper	
156	100		
77	135.5	84.8	254.4
158	97.3	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 19.90 ug/l

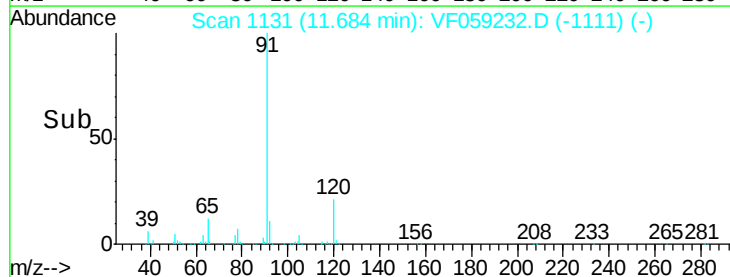
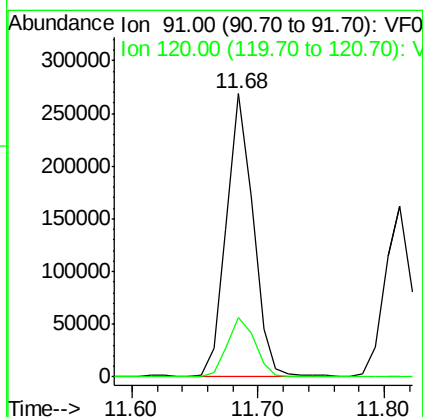
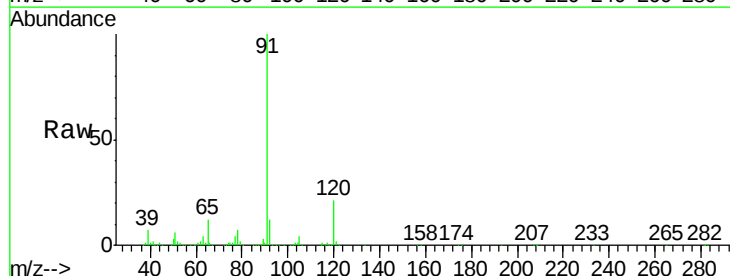
RT: 11.68 min Scan# 1131

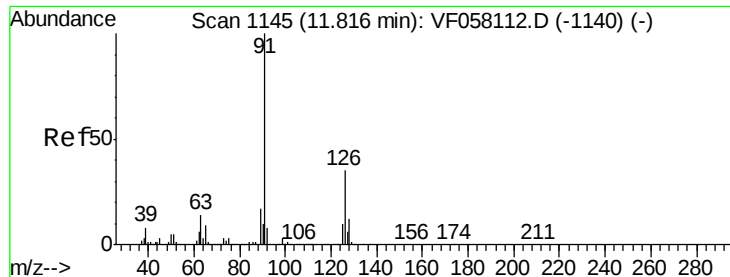
Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion:	91	Resp:	393931
Ion Ratio	Lower	Upper	
91	100		
120	20.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.62 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion: 91 Resp: 241199

Ion Ratio Lower Upper

91 100

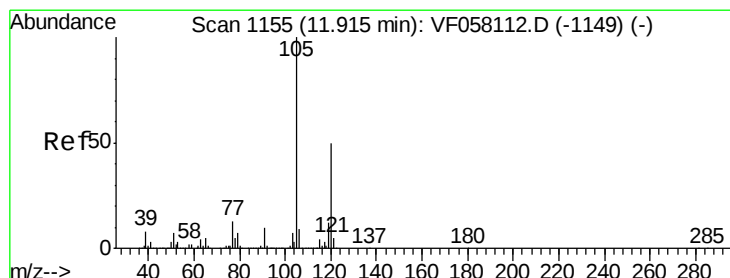
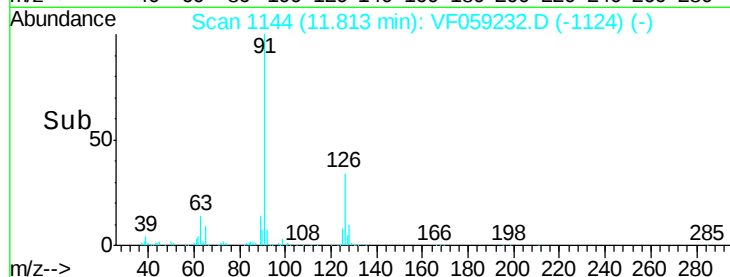
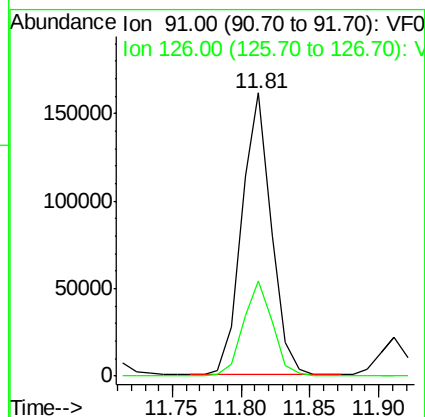
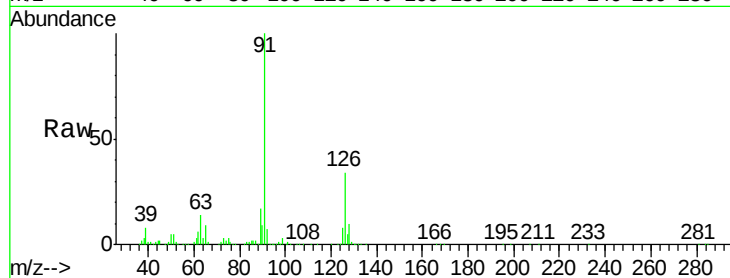
126 33.6 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.13 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059232.D

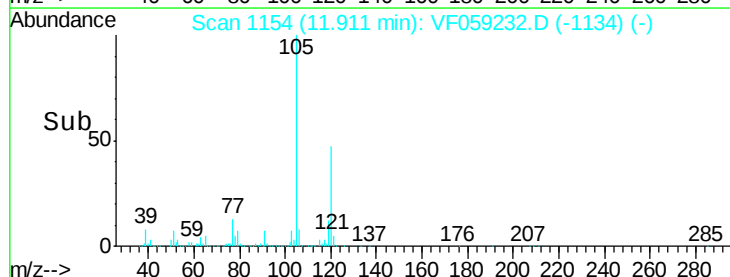
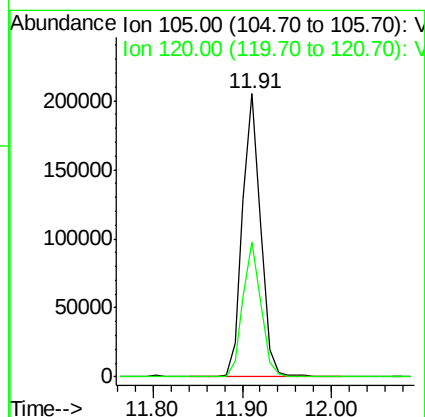
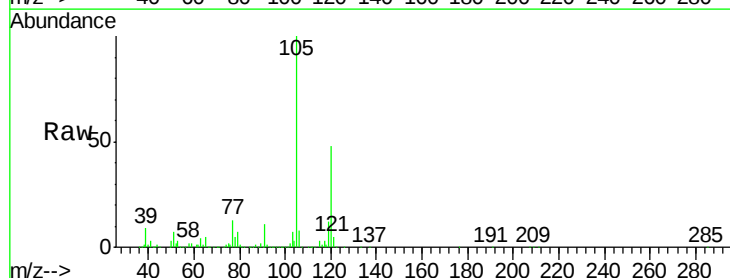
Acq: 20 Jun 2018 18:13

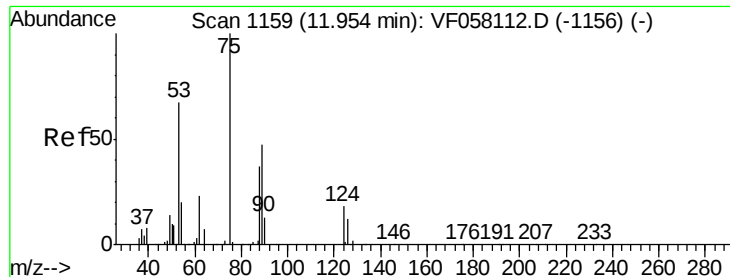
Tgt Ion: 105 Resp: 292494

Ion Ratio Lower Upper

105 100

120 47.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.22 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

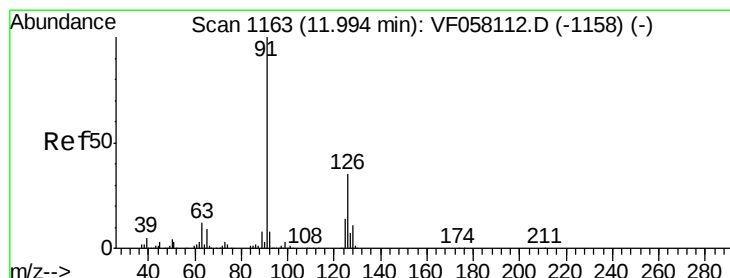
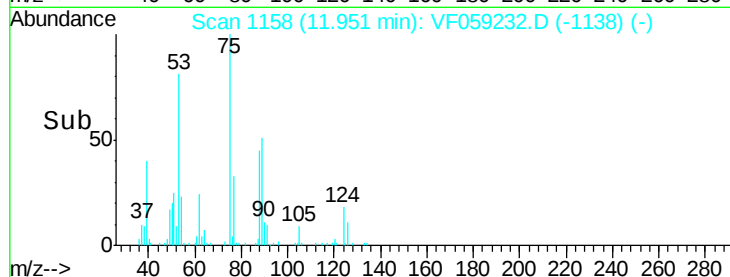
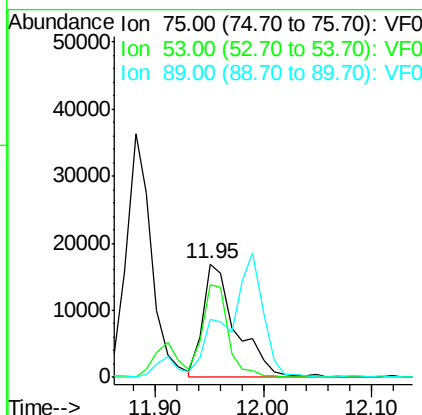
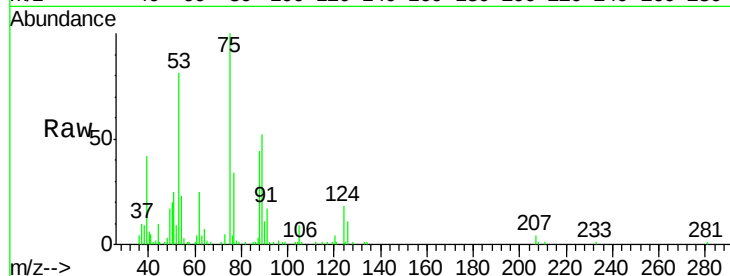
ClientSampleId :

VF0620SBS01

Tot Ion:	75	Resp:	36499
Ion Ratio	Lower	Upper	
75	100		
53	81.2	58.7	88.1
89	51.6	39.8	59.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.86 ug/l

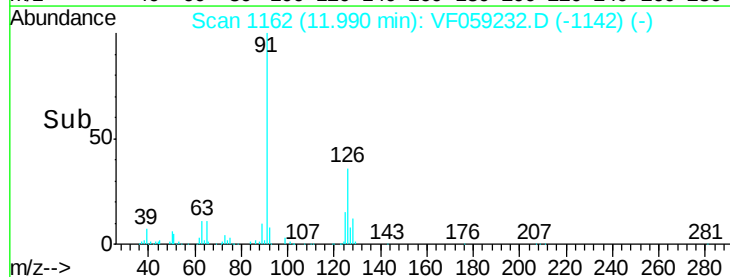
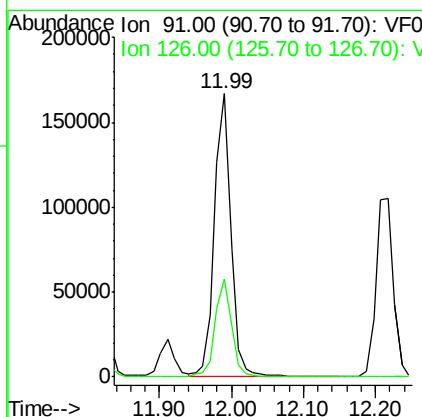
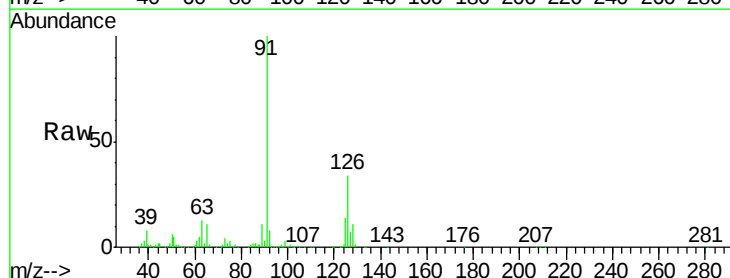
RT: 11.99 min Scan# 1162

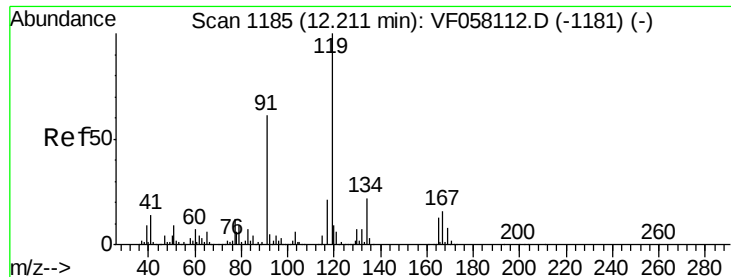
Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Tgt Ion:	91	Resp:	259792
Ion Ratio	Lower	Upper	
91	100		
126	34.4	17.4	52.2





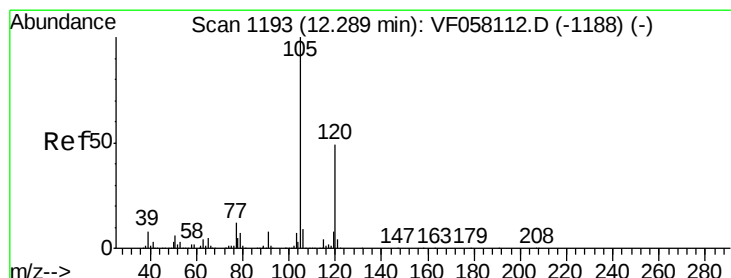
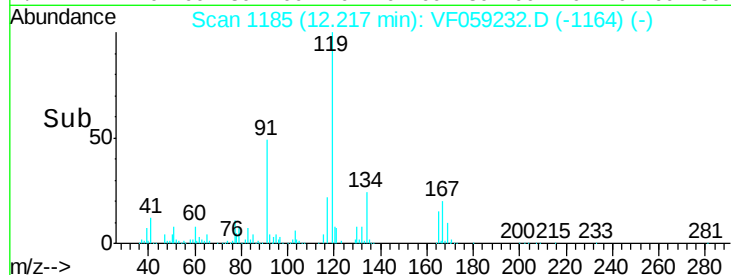
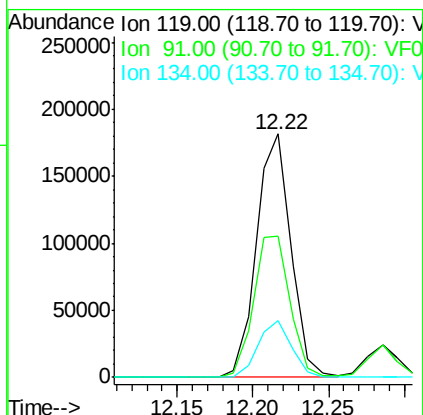
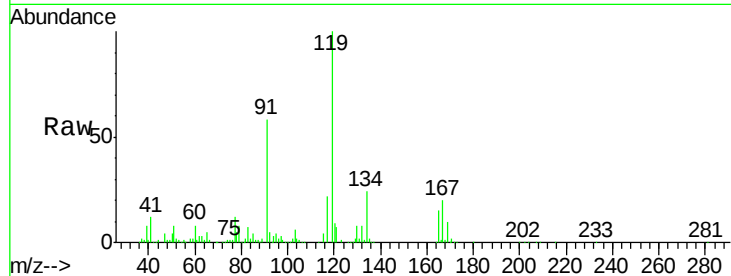
#83
 tert-Butylbenzene
 Concen: 21.03 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.1	30.4	91.3
134	23.5	11.2	33.5

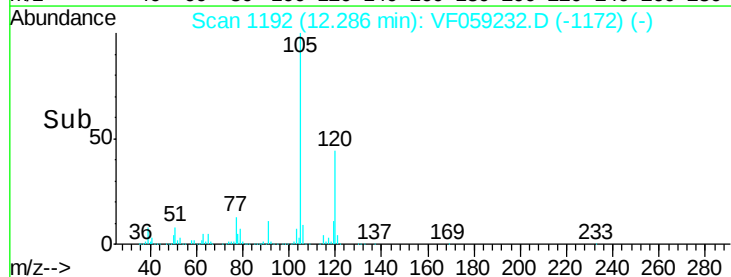
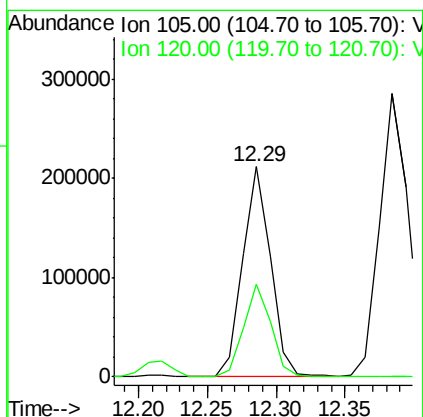
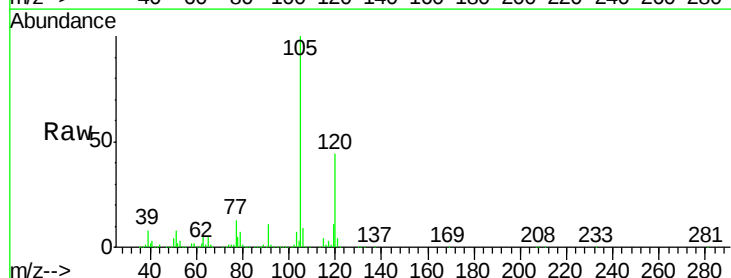
Manual Integrations
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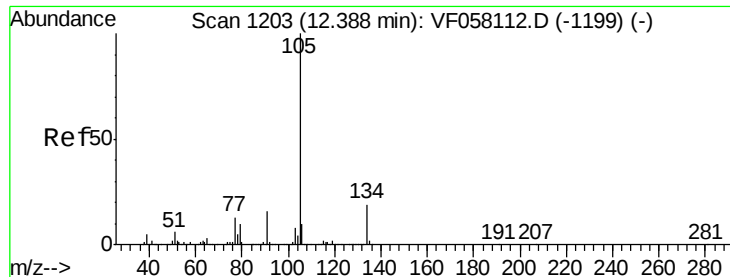
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.02 ug/l
 RT: 12.29 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	24.7	74.1





#85

sec-Butylbenzene

Concen: 22.41 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

Instrument :

MSVOA_F

ClientSampleId :

VF0620SBS01

Tot Ion:105 Resp: 418646

Ion Ratio Lower Upper

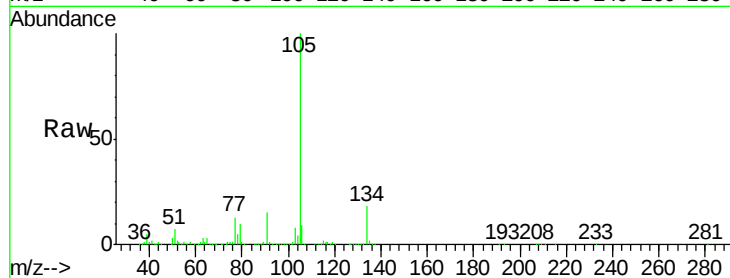
105 100

134 18.5 9.6 28.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

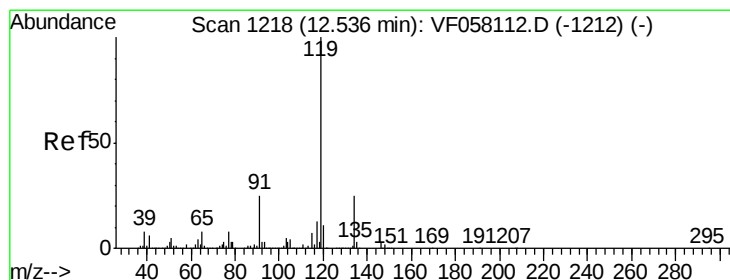
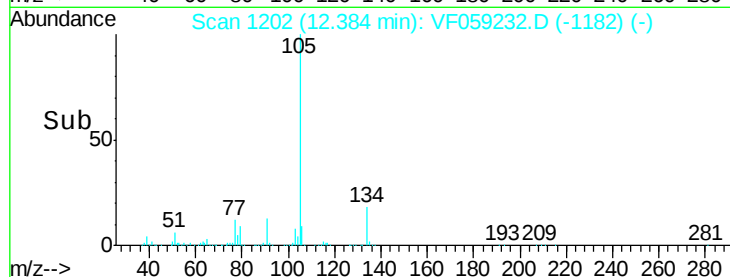
200000

100000

0

12.30 12.40 12.50

Time-->



#86

p-Isopropyltoluene

Concen: 21.84 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059232.D

Acq: 20 Jun 2018 18:13

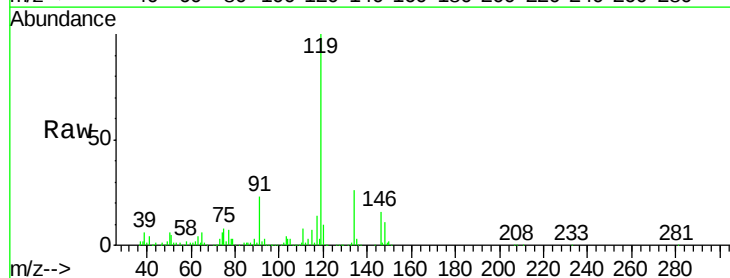
Tgt Ion:119 Resp: 335019

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 23.5 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

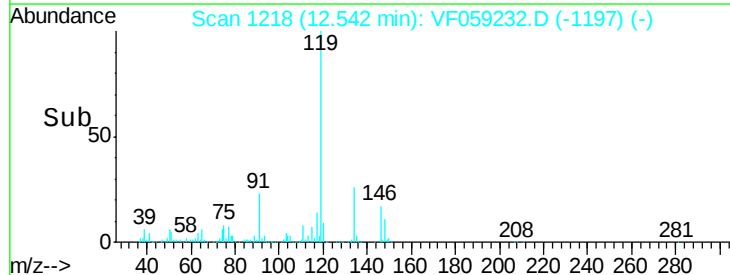
100000

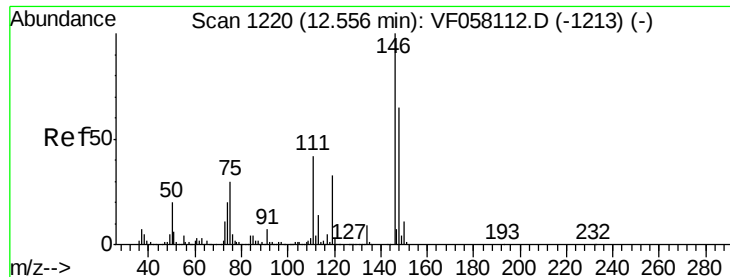
50000

0

12.50 12.60

Time-->





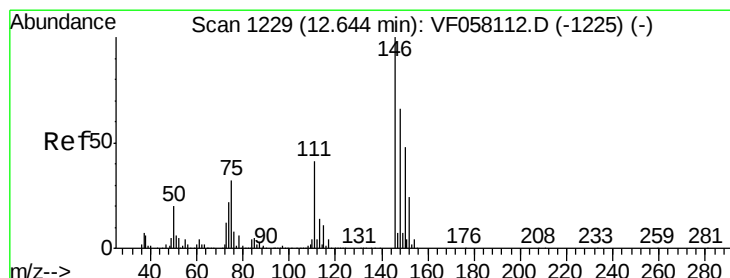
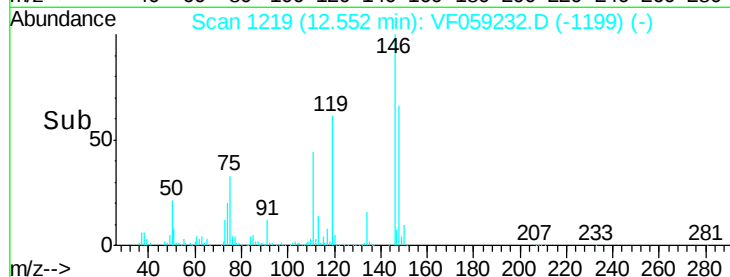
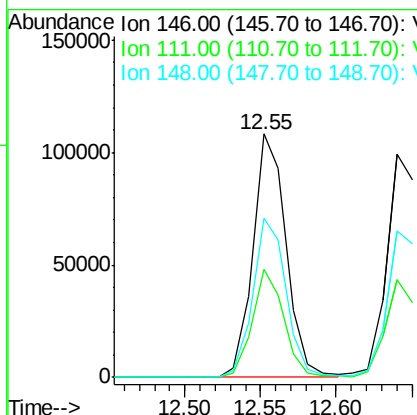
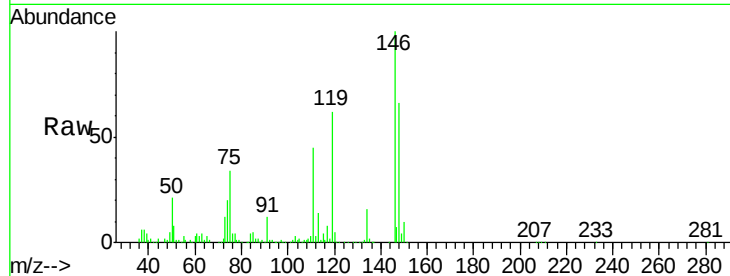
#87
 1,3-Dichlorobenzene
 Concen: 21.41 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	20.8	62.5
148	65.5	32.3	96.9

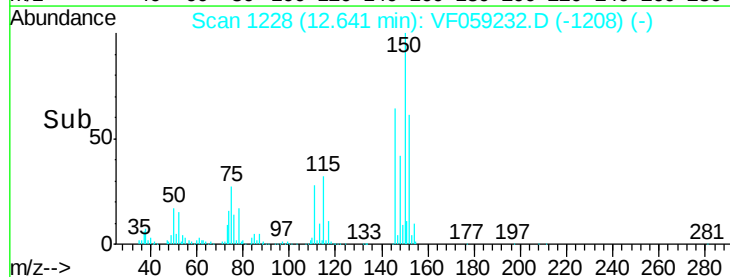
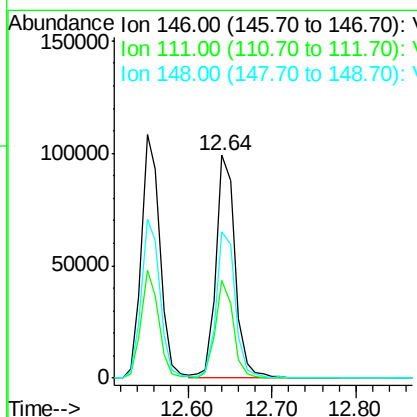
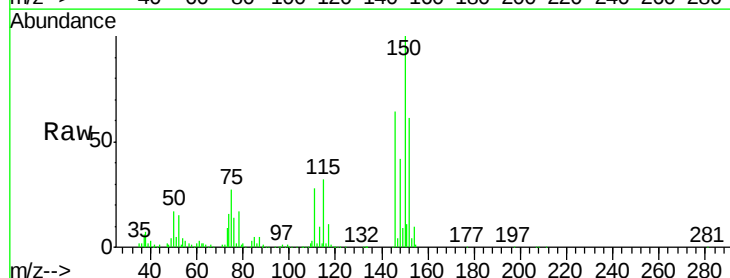
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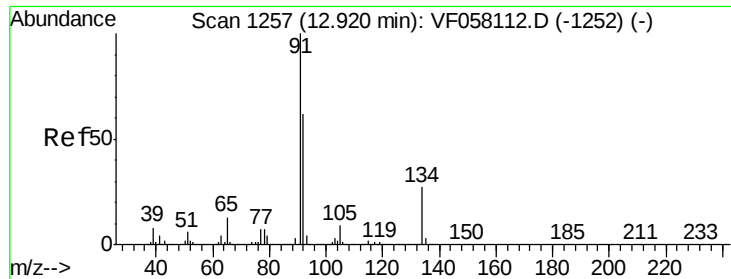
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#88
 1,4-Dichlorobenzene
 Concen: 21.00 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.4	61.2
148	65.8	33.0	99.0





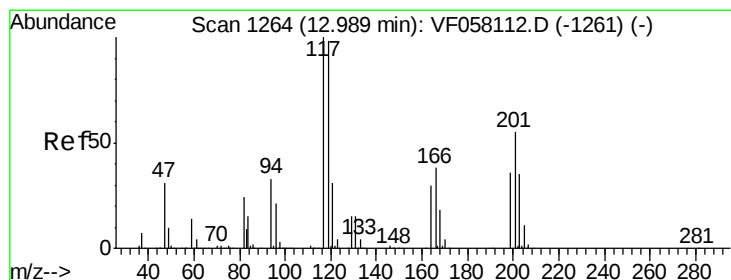
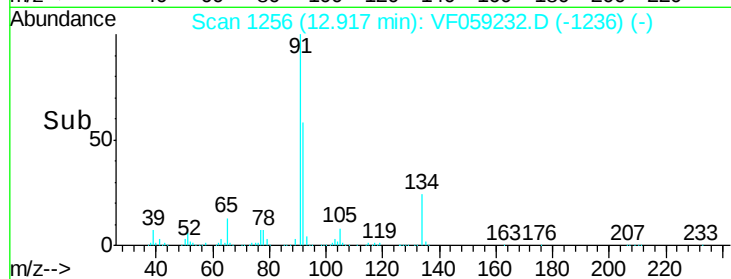
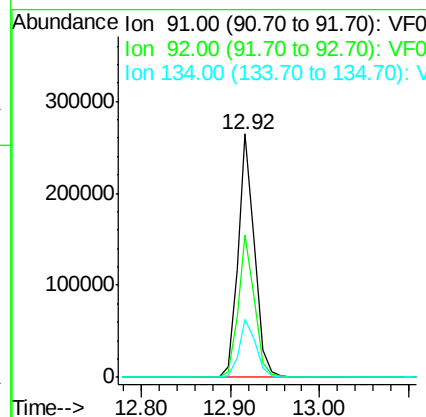
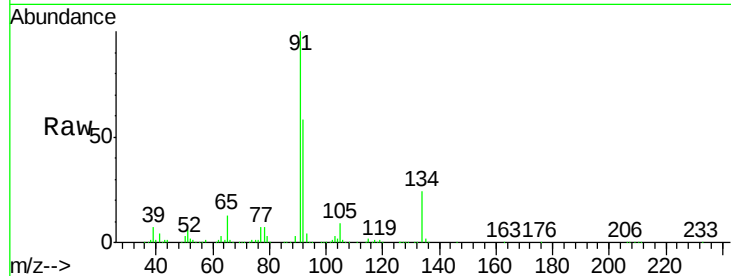
#89
n-Butylbenzene
Concen: 19.78 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	345811		
92	58.4	31.1	93.5	
134	24.0	13.6	40.8	

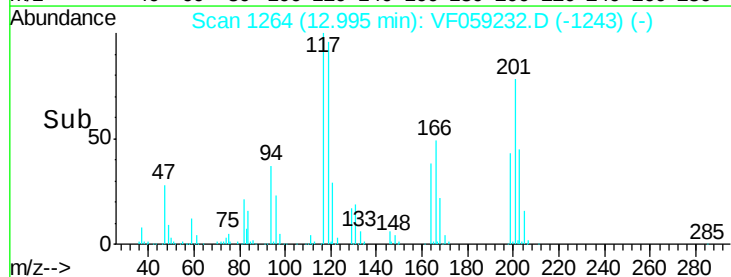
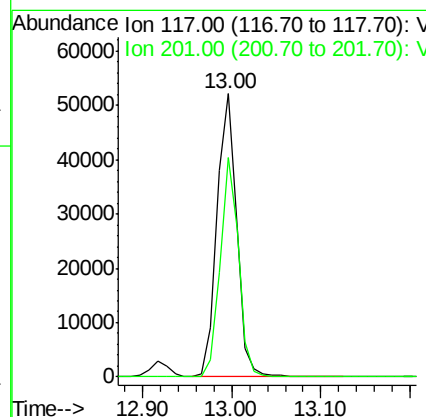
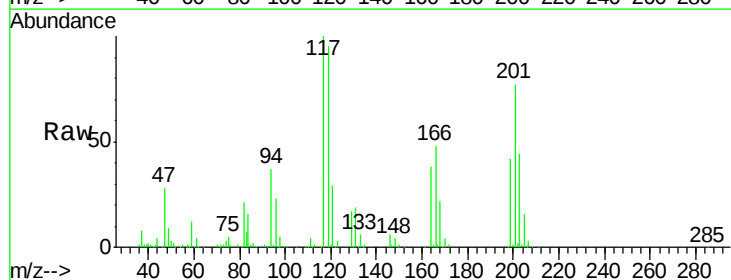
Manual Integrations
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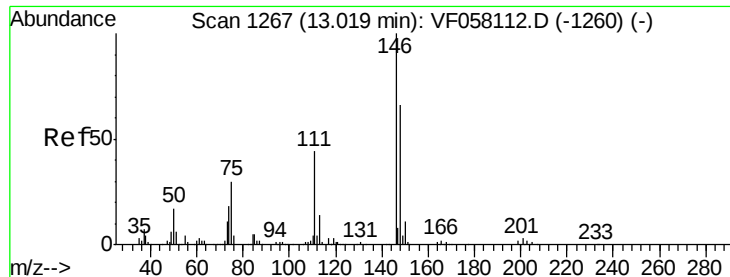
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#90
Hexachloroethane
Concen: 21.19 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	80058		
201	77.5	27.5	82.4	





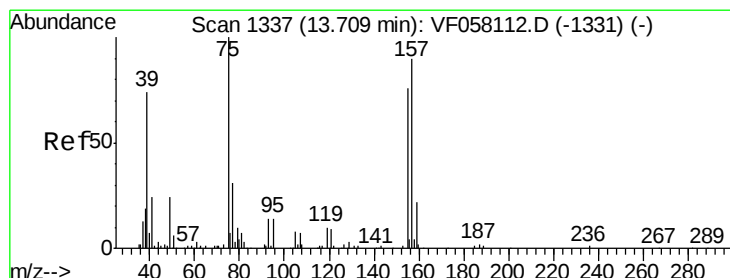
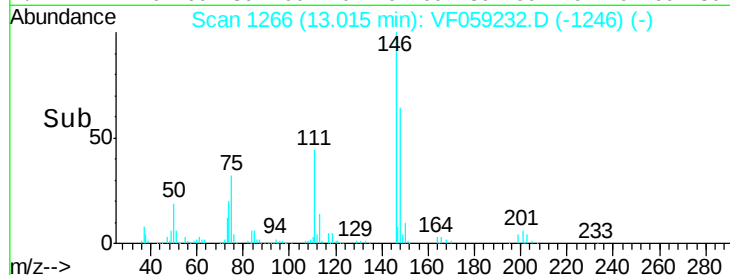
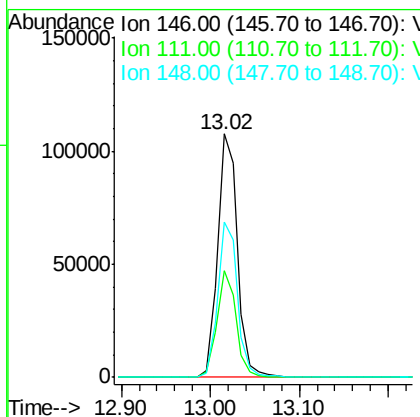
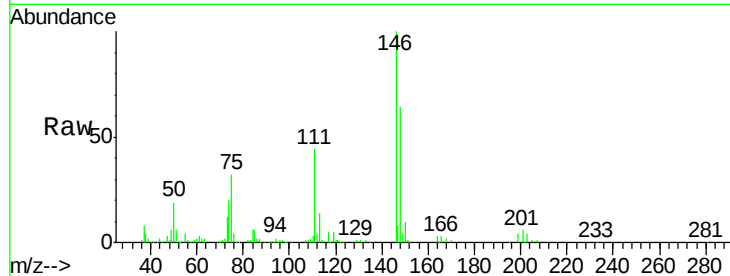
#91
 1,2-Dichlorobenzene
 Concen: 22.37 ug/l
 RT: 13.02 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	64.0	33.1	99.3

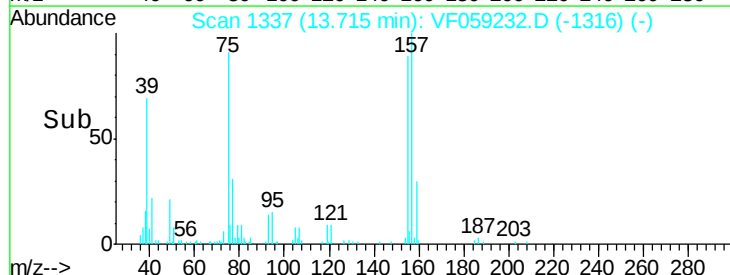
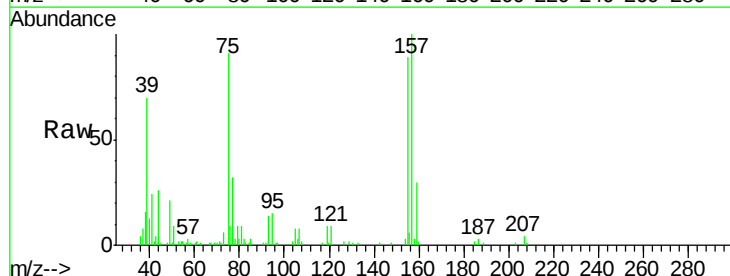
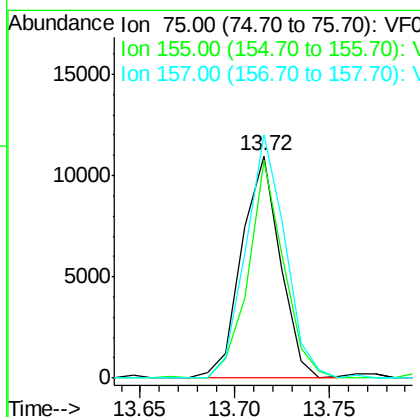
Manual Integrations
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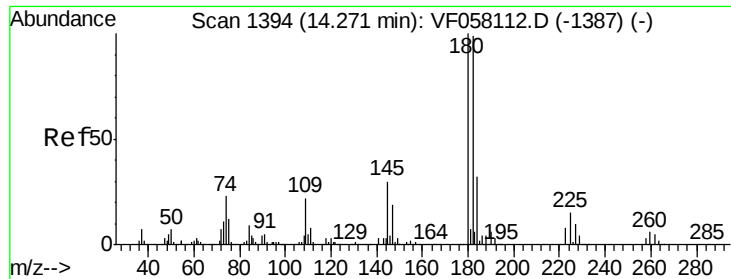
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.88 ug/l
 RT: 13.72 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	38.0	114.0
157	113.4	45.1	135.5





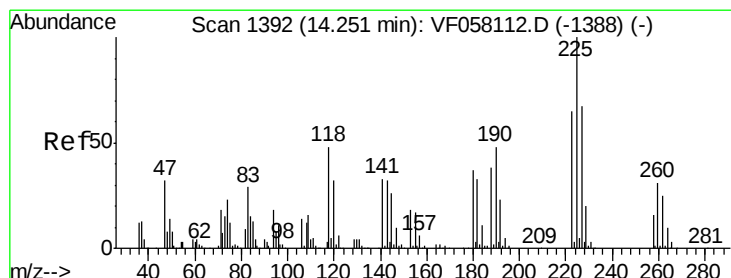
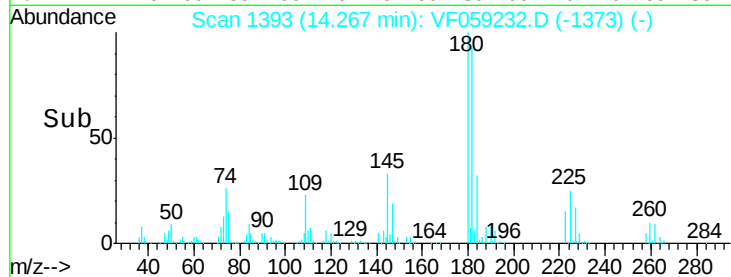
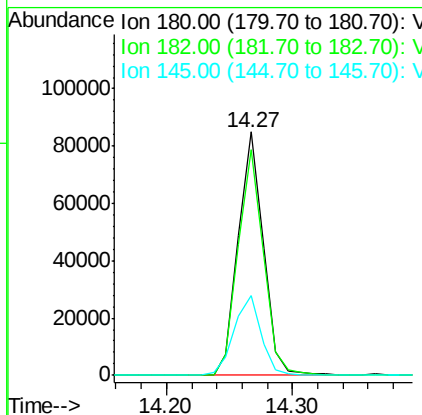
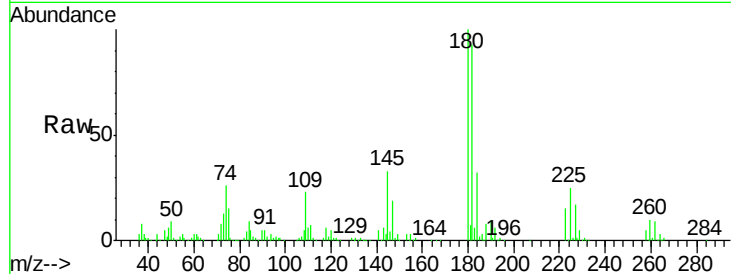
#93
 1,2,4-Trichlorobenzene
 Concen: 22.38 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117217		
182	92.9	49.3	147.9	
145	32.5	14.9	44.9	

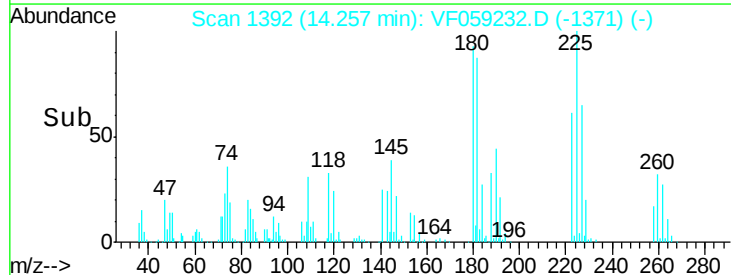
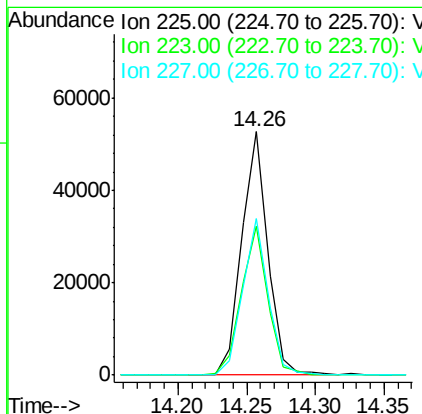
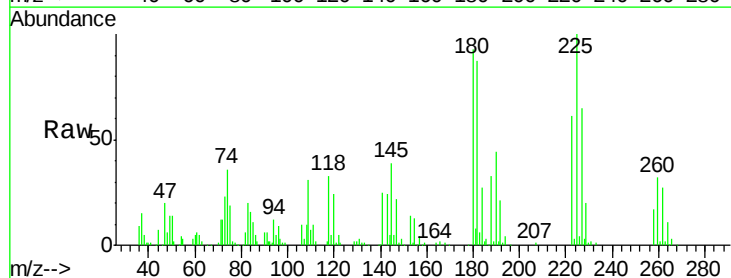
Manual Integrations
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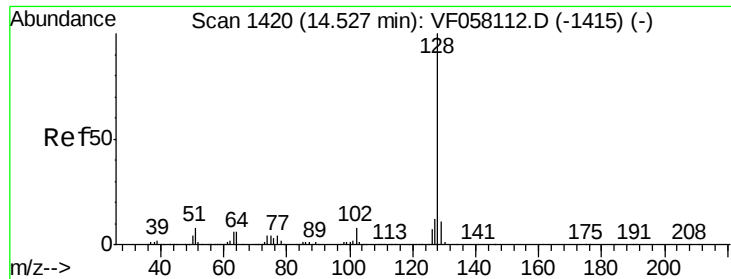
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#94
 Hexachlorobutadiene
 Concen: 22.96 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059232.D
 Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69599		
223	61.1	32.8	98.3	
227	64.5	33.3	99.9	





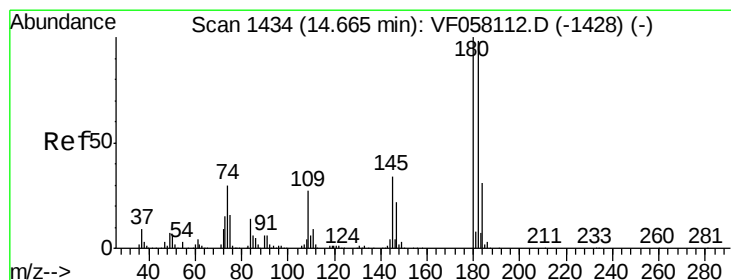
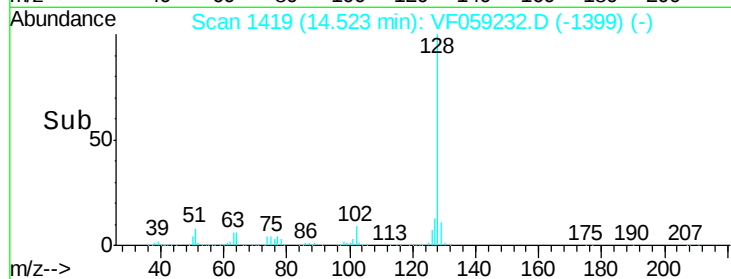
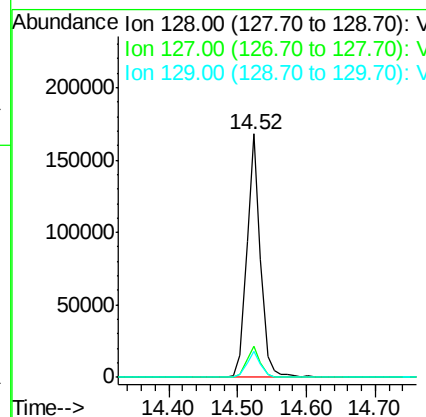
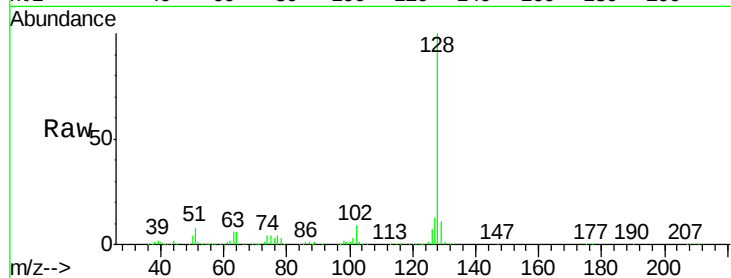
#95
Naphthalene
Concen: 20.58 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Instrument :
MSVOA_F
ClientSampleId :
VF0620SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	10.5	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.95 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059232.D
Acq: 20 Jun 2018 18:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.9	146.6
145	28.9	17.3	51.7

