

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059206.D
 Acq On : 20 Jun 2018 00:44
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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apatel
 6/20/2018 11:18:56 AM

Quant Time: Jun 20 05:37:36 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	5.03	168	273268	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	418542	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	412401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	239896	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	187129	56.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.92%	
35) Dibromofluoromethane	4.29	113	166613	56.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.46%	
50) Toluene-d8	7.71	98	432125	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.50	95	225443	50.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	144029	46.57	ug/l	96
3) Chloromethane	1.08	50	102424	42.75	ug/l	96
4) Vinyl Chloride	1.14	62	101094	46.77	ug/l	95
5) Bromomethane	1.34	94	62987	50.01	ug/l	89
6) Chloroethane	1.43	64	47841	53.34	ug/l	95
7) Trichlorofluoromethane	1.49	101	184841m	55.02	ug/l	
8) Diethyl Ether	1.69	74	47337	56.00	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	97993	45.76	ug/l	99
10) Methyl Iodide	1.96	142	198995	53.11	ug/l	92
11) Tert butyl alcohol	2.68	59	59651	280.91	ug/l	99
12) 1,1-Dichloroethene	1.85	96	95739	53.17	ug/l	84
13) Acrolein	2.09	56	40842	222.21	ug/l	92
14) Allyl chloride	2.19	41	183738	51.99	ug/l	99
15) Acrylonitrile	3.07	53	139021	329.63	ug/l	95
16) Acetone	2.33	43	188246	237.90	ug/l	94
17) Carbon Disulfide	1.84	76	241751m	47.82	ug/l	
18) Methyl Acetate	2.44	43	76456m	56.21	ug/l	
19) Methyl tert-butyl Ether	2.53	73	331085m	59.23	ug/l	
20) Methylene Chloride	2.27	84	106220m	56.06	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	99673	50.47	ug/l	90
22) Diisopropyl ether	2.91	45	414572	59.67	ug/l	95
23) Vinyl Acetate	3.33	43	1277829	278.97	ug/l	99
24) 1,1-Dichloroethane	2.99	63	233150	55.36	ug/l	99
25) 2-Butanone	4.50	43	308586	251.54	ug/l	92
26) 2,2-Dichloropropane	3.75	77	140240	45.90	ug/l	94
27) cis-1,2-Dichloroethene	3.62	96	157888	51.95	ug/l	98
28) Bromochloromethane	3.88	49	98579	52.00	ug/l	# 99
29) Tetrahydrofuran	4.25	42	144236	266.83	ug/l	98
30) Chloroform	4.03	83	329805	54.74	ug/l	93
31) Cyclohexane	3.85	56	170056	46.22	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	237188	52.73	ug/l	96
36) 1,1-Dichloropropene	4.45	75	222031	54.73	ug/l	100
37) Ethyl Acetate	4.28	43	148547	59.26	ug/l	98
38) Carbon Tetrachloride	4.16	117	255366m	58.08	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	208130	50.33	ug/l	99
40) Benzene	4.80	78	473229	50.26	ug/l	100
41) Methacrylonitrile	4.91	41	71459	58.03	ug/l	96
42) 1,2-Dichloroethane	5.10	62	256177m	60.66	ug/l	
43) Isopropyl Acetate	7.10	43	193982	57.78	ug/l	94
44) Trichloroethene	5.67	130	158228	53.78	ug/l	93
45) 1,2-Dichloropropane	6.39	63	139211	51.27	ug/l	98
46) Dibromomethane	6.25	93	113656	55.64	ug/l #	83
47) Bromodichloromethane	6.54	83	266284	57.30	ug/l	99
48) Methyl methacrylate	6.87	41	124000	59.92	ug/l	96
49) 1,4-Dioxane	6.87	88	13476	890.10	ug/l	91
51) 4-Methyl-2-Pentanone	8.40	43	638690	277.58	ug/l	97
52) Toluene	7.77	92	347787	51.28	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	240658	53.47	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	266040	51.46	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	140616	57.21	ug/l	99
56) Ethyl methacrylate	8.75	69	173479	56.00	ug/l	91
57) 1,3-Dichloropropane	9.00	76	227729	54.17	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	59815	270.02	ug/l	100
59) 2-Hexanone	9.63	43	499021	274.18	ug/l	95
60) Dibromochloromethane	8.86	129	205829	58.28	ug/l	100
61) 1,2-Dibromoethane	9.13	107	166151	58.18	ug/l	95
64) Tetrachloroethene	8.30	164	170348	56.32	ug/l	92
65) Chlorobenzene	9.93	112	429587	52.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	178874	55.06	ug/l	95
67) Ethyl Benzene	10.03	91	734169	51.74	ug/l	99
68) m/p-Xylenes	10.26	106	541637	101.95	ug/l	94
69) o-Xylene	10.82	106	307587	53.57	ug/l	98
70) Styrene	10.90	104	441180	50.78	ug/l	99
71) Bromoform	10.88	173	130651	59.22	ug/l #	95
73) Isopropylbenzene	11.22	105	848162	51.07	ug/l	98
74) N-amyl acetate	11.46	43	311417	52.49	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	203123	51.58	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	154417	53.10	ug/l	99
77) Bromobenzene	11.59	156	222112	53.14	ug/l	90
78) n-propylbenzene	11.68	91	973201	49.50	ug/l	95
79) 2-Chlorotoluene	11.81	91	573600	49.39	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	714421	51.97	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	91085	48.31	ug/l	90
82) 4-Chlorotoluene	11.98	91	637751	51.58	ug/l	95
83) tert-Butylbenzene	12.21	119	697978	51.14	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	724338	50.85	ug/l	91
85) sec-Butylbenzene	12.39	105	923997	49.82	ug/l	98
86) p-Isopropyltoluene	12.54	119	817453	53.66	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	394706	51.14	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	390070	52.45	ug/l	99
89) n-Butylbenzene	12.91	91	801075	50.85	ug/l	94
90) Hexachloroethane	12.99	117	196072	52.27	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	390705	52.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	45544	58.96	ug/l	91

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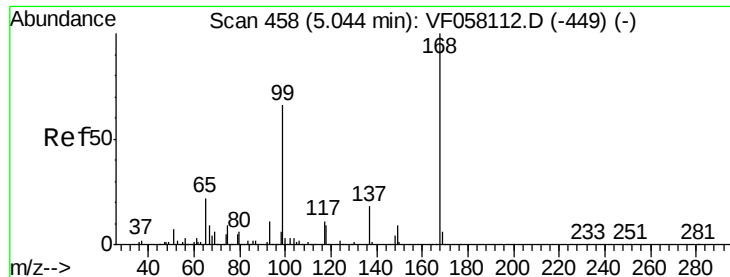
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	285979	55.00	ug/l	94
94) Hexachlorobutadiene	14.25	225	169840	56.44	ug/l	97
95) Naphthalene	14.52	128	641468	57.75	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	279291	58.12	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 273268

Ion Ratio Lower Upper

168 100

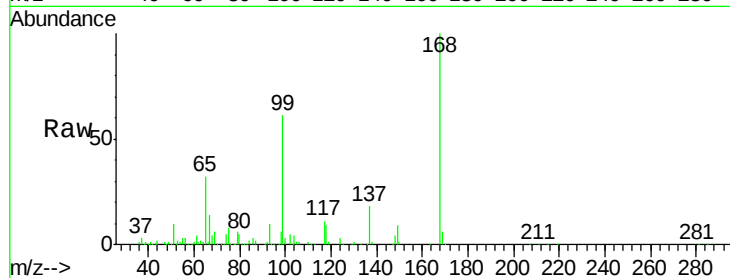
99 61.1 52.9 79.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

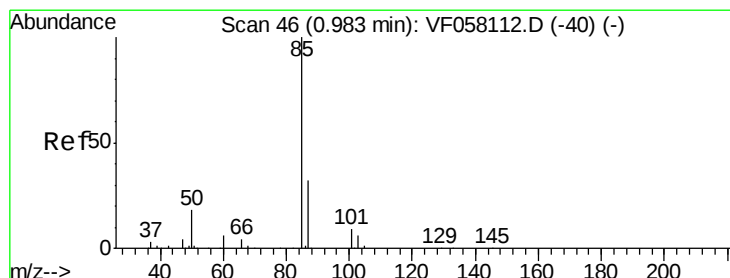
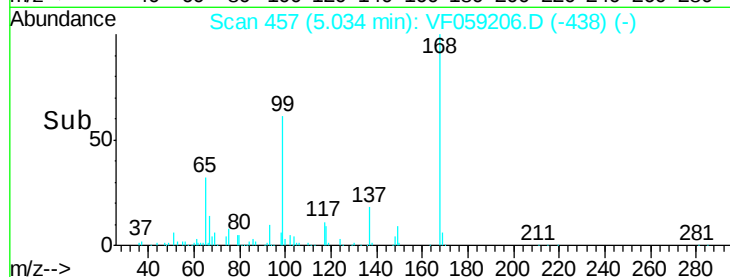
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.57 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059206.D

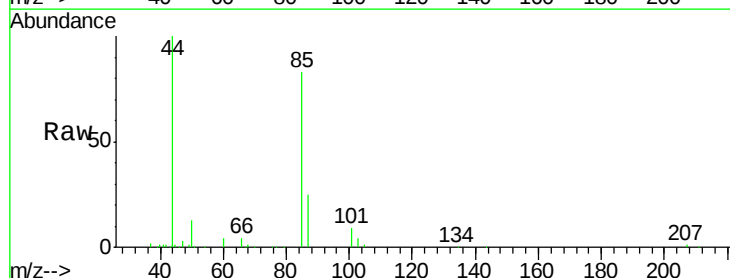
Acq: 20 Jun 2018 00:44

Tgt Ion: 85 Resp: 144029

Ion Ratio Lower Upper

85 100

87 30.0 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

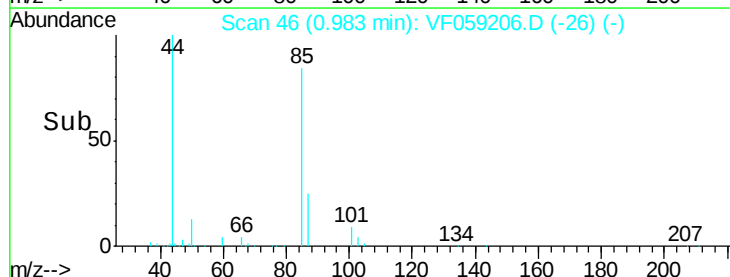
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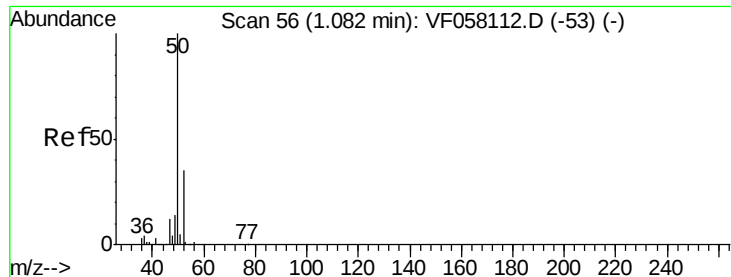
20000

10000

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Time-->





#3

Chloromethane

Concen: 42.75 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 102424

Ion Ratio Lower Upper

50 100

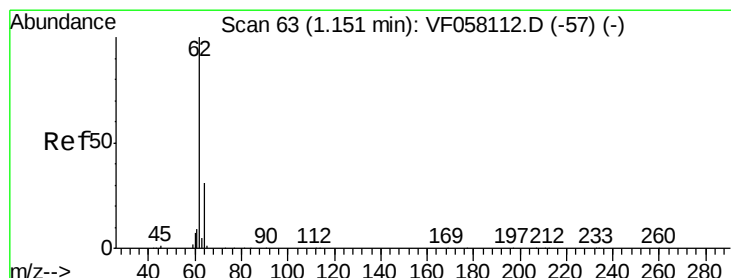
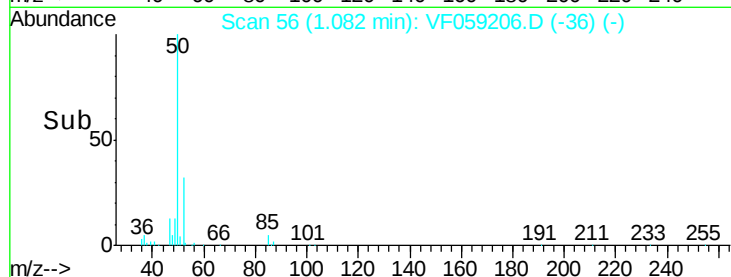
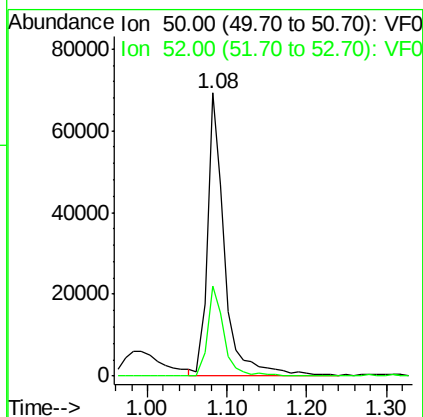
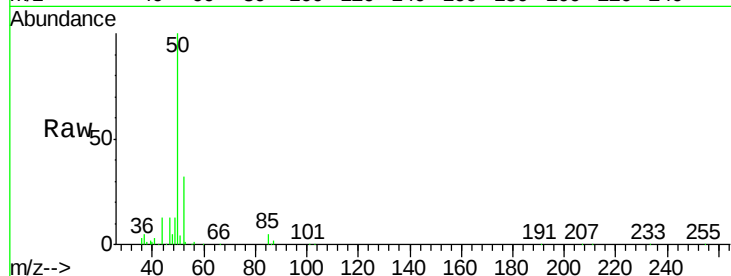
52 32.0 27.3 40.9

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#4

Vinyl Chloride

Concen: 46.77 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059206.D

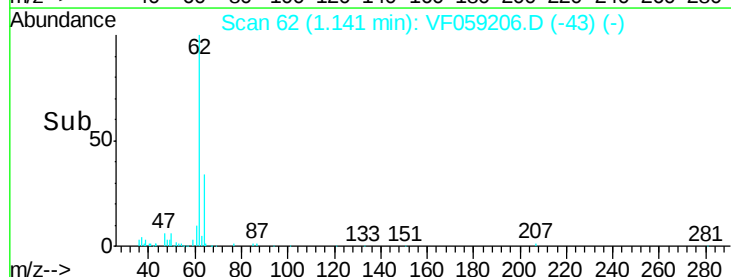
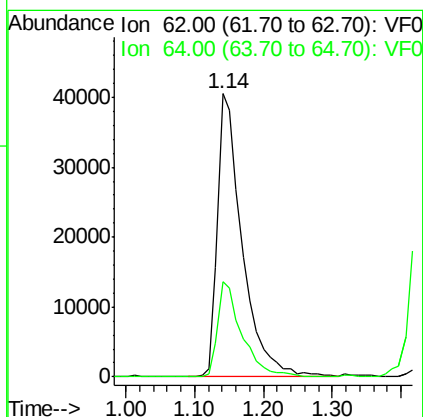
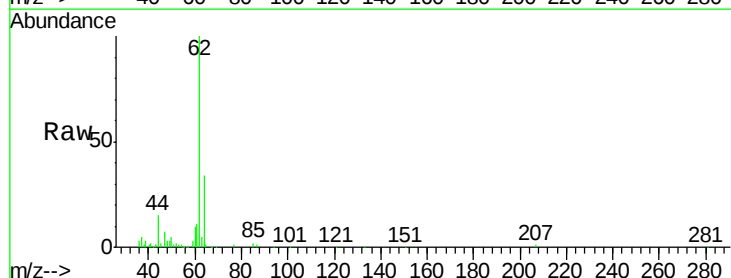
Acq: 20 Jun 2018 00:44

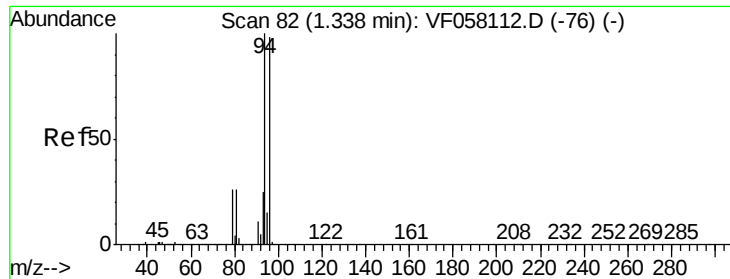
Tgt Ion: 62 Resp: 101094

Ion Ratio Lower Upper

62 100

64 33.8 25.0 37.6





#5

Bromomethane

Concen: 50.01 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 62987

Ion Ratio Lower Upper

94 100

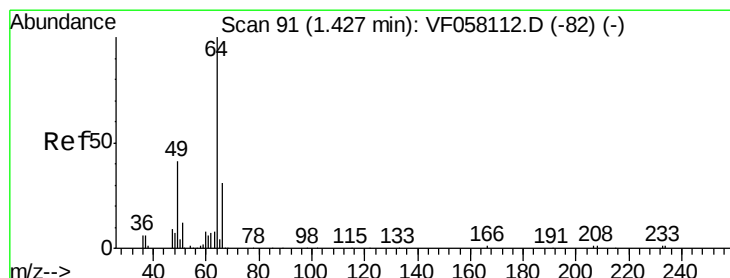
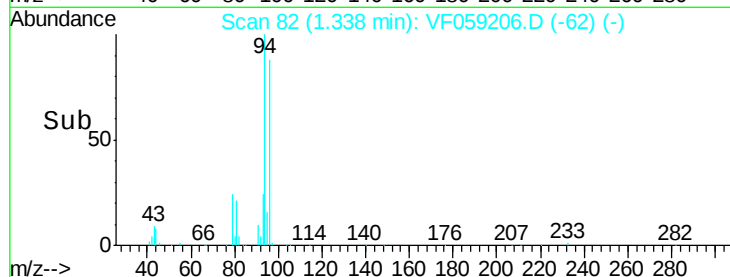
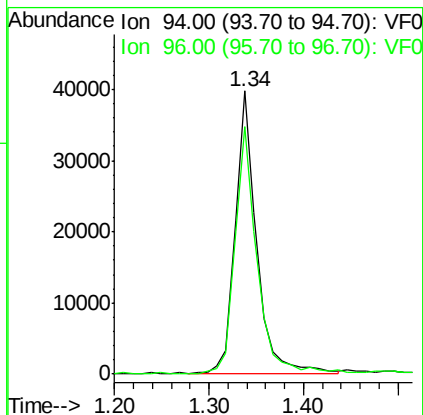
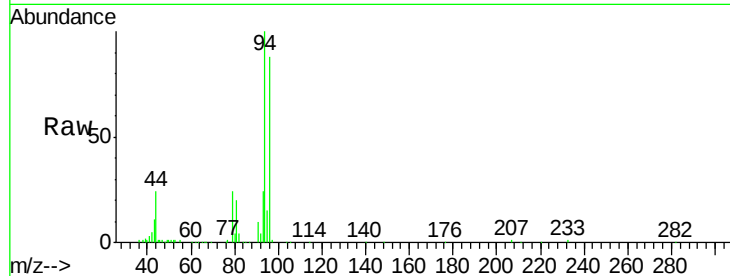
96 87.6 78.6 117.8

Manual Integrations

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#6

Chloroethane

Concen: 53.34 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059206.D

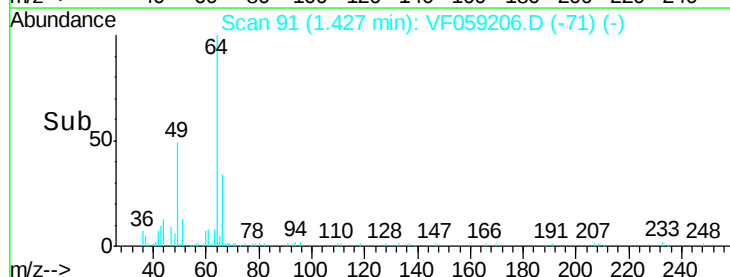
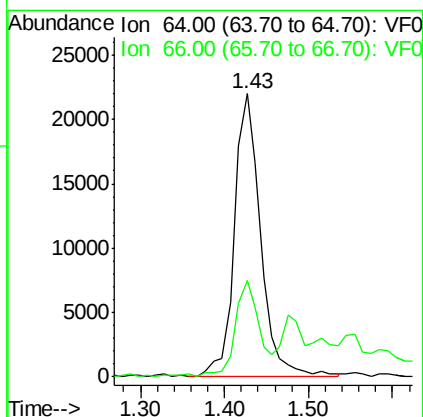
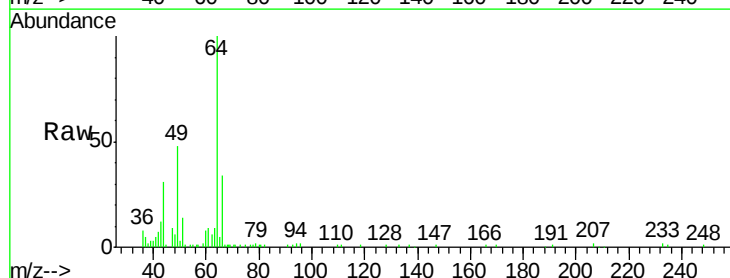
Acq: 20 Jun 2018 00:44

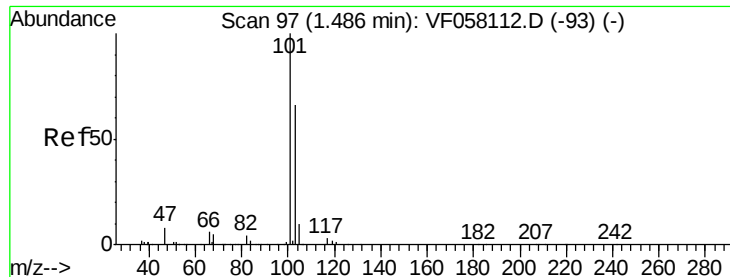
Tgt Ion: 64 Resp: 47841

Ion Ratio Lower Upper

64 100

66 34.0 24.9 37.3





#7

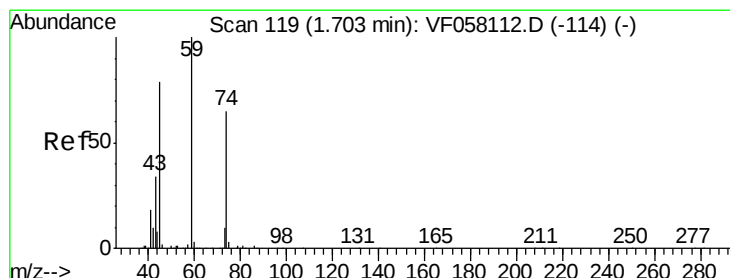
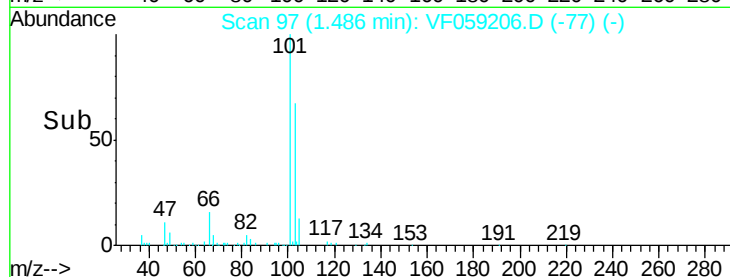
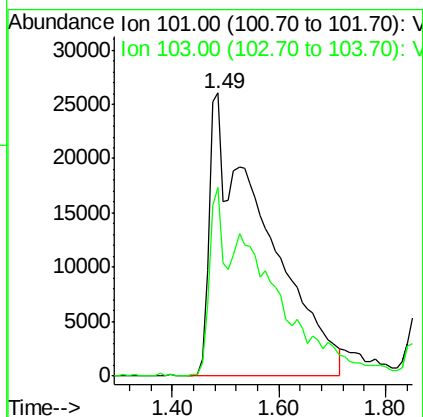
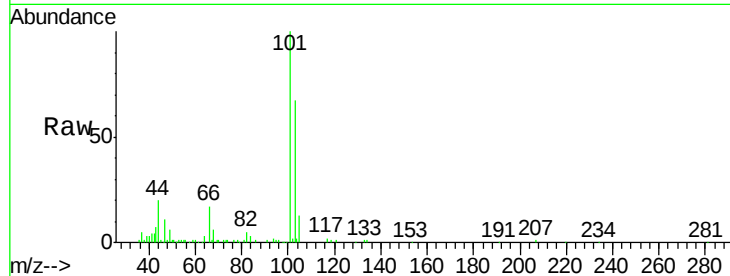
Trichlorofluoromethane
Concen: 55.02 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 184841
Ion Ratio Lower Upper
101 100
103 66.7 53.4 80.2

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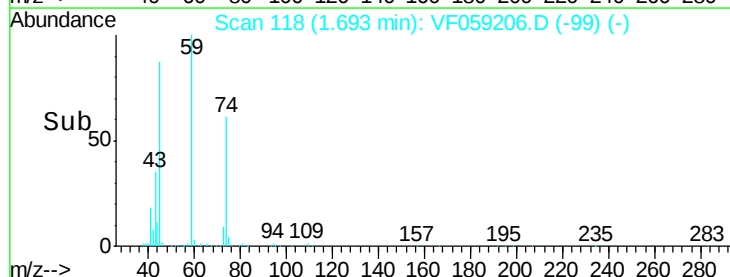
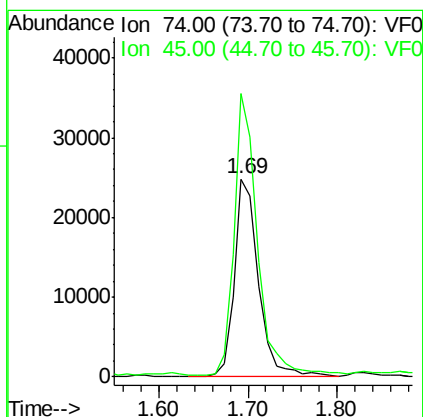
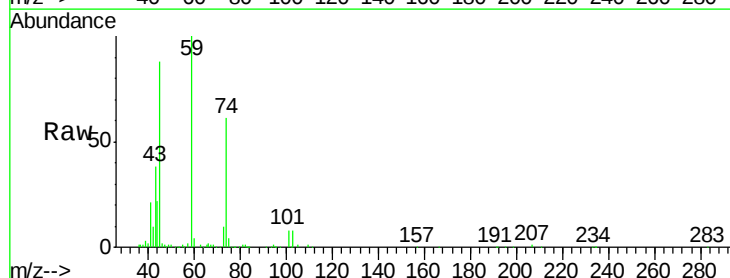
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#8

Diethyl Ether
Concen: 56.00 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion: 74 Resp: 47337
Ion Ratio Lower Upper
74 100
45 143.1 61.5 184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.76 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

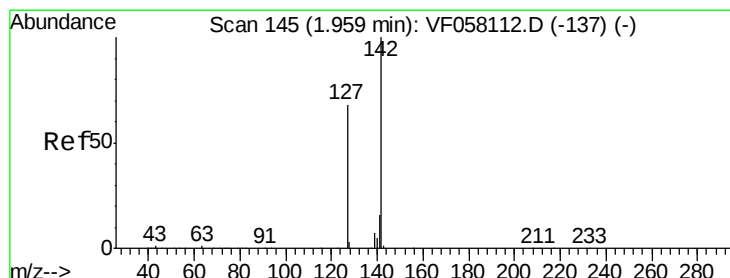
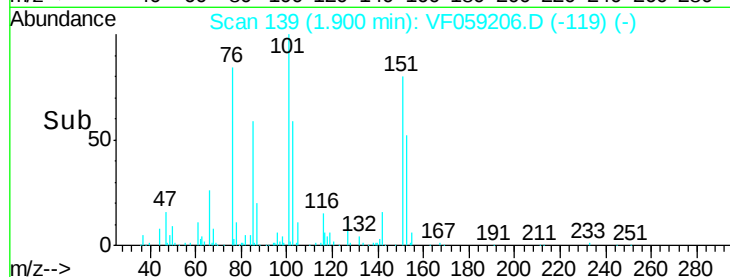
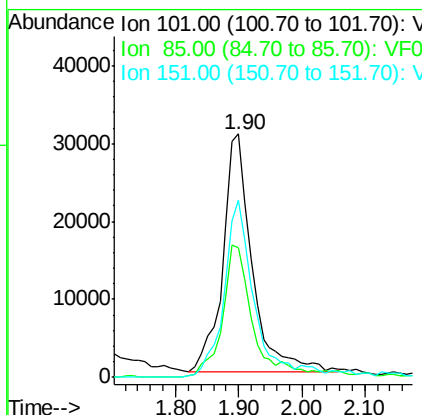
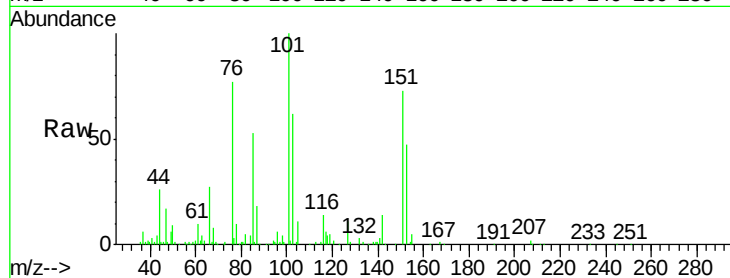
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	97993
Ion Ratio	Lower	Upper	
101	100		
85	52.2	42.2	63.4
151	71.4	56.8	85.2

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#10

Methyl Iodide

Concen: 53.11 ug/l

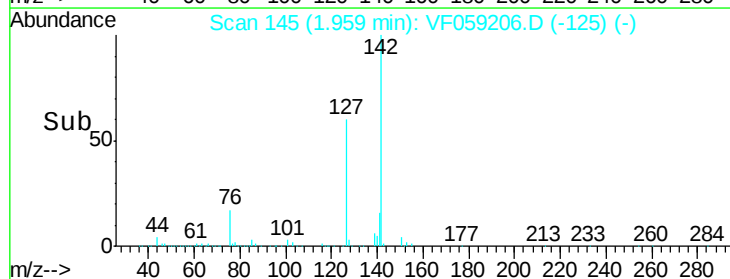
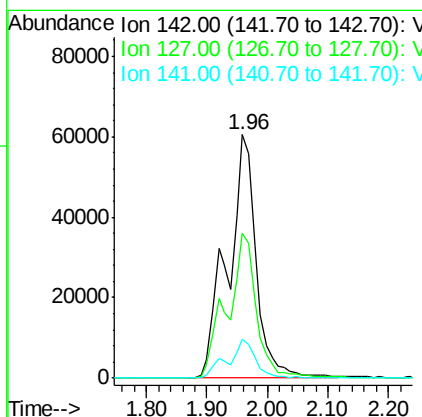
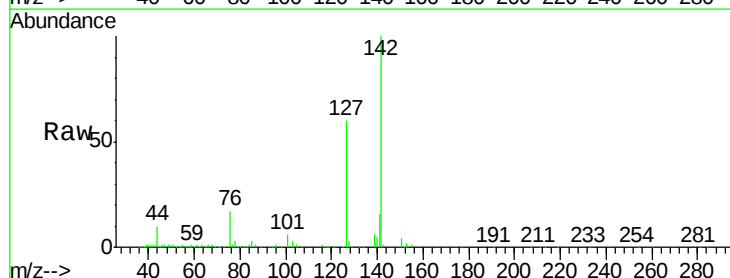
RT: 1.96 min Scan# 145

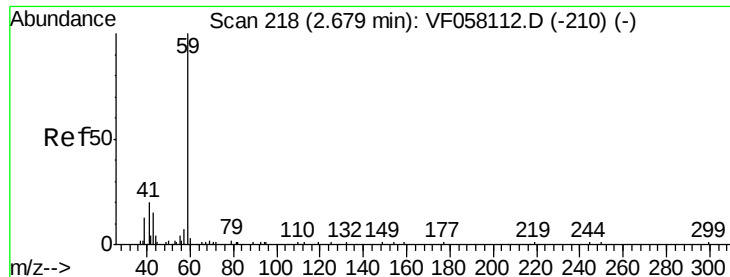
Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tgt Ion:	142	Resp:	198995
Ion Ratio	Lower	Upper	
142	100		
127	59.5	54.1	81.1
141	15.7	13.0	19.4





#11

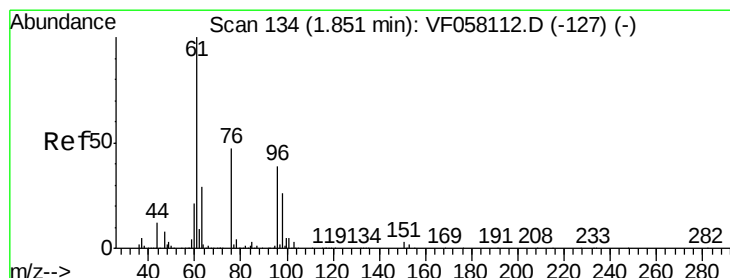
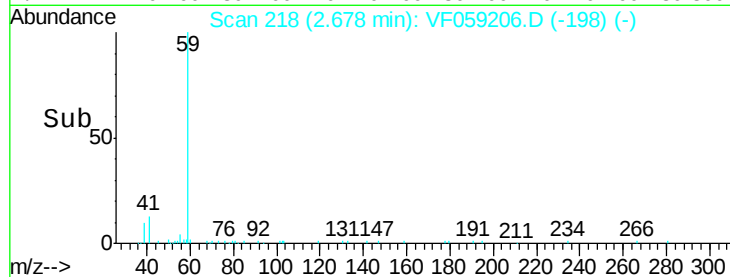
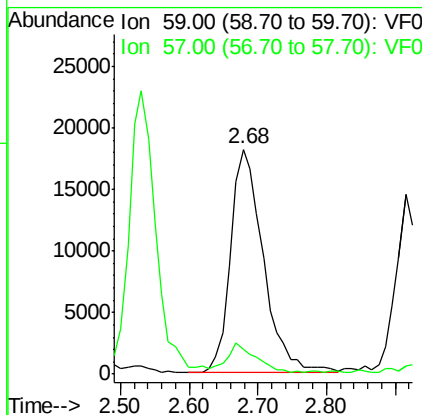
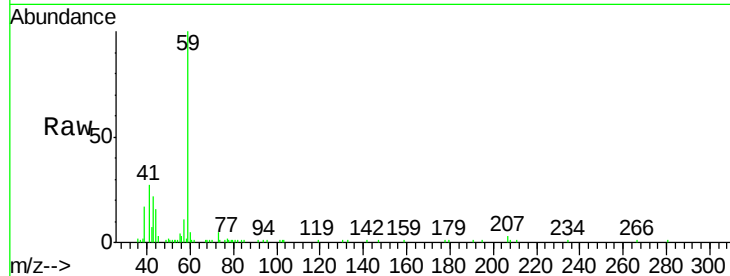
Tert butyl alcohol
Concen: 280.91 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VF0	Resp	59651
Ion Ratio	Lower	Upper	
59	100		
57	11.2	8.7	13.1

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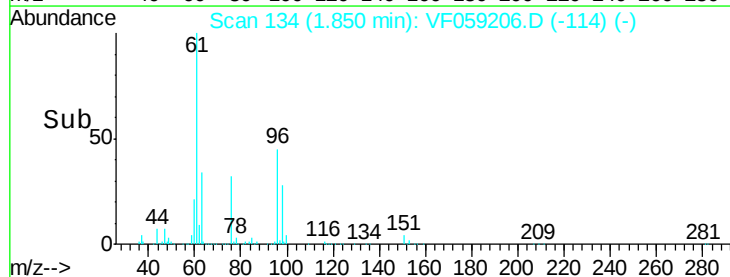
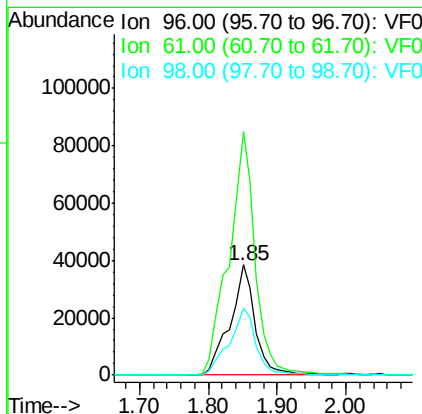
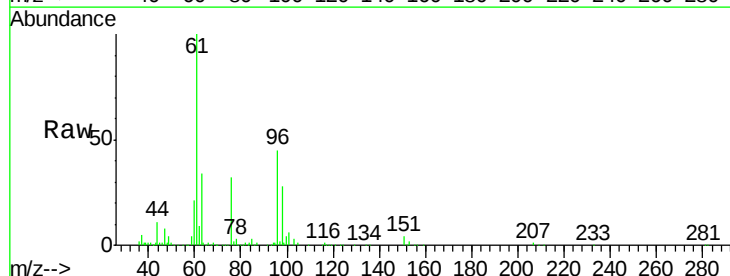
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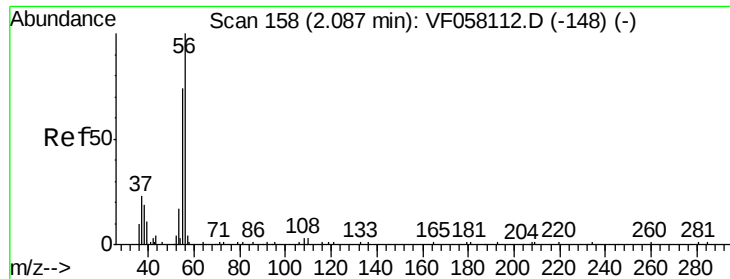


#12

1,1-Dichloroethene
Concen: 53.17 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	96.00 (95.70 to 96.70): VF0	Resp	95739
Ion Ratio	Lower	Upper	
96	100		
61	221.2	203.0	304.4
98	61.3	52.7	79.1





#13

Acrolein

Concen: 222.21 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40842

Ion Ratio Lower Upper

56 100

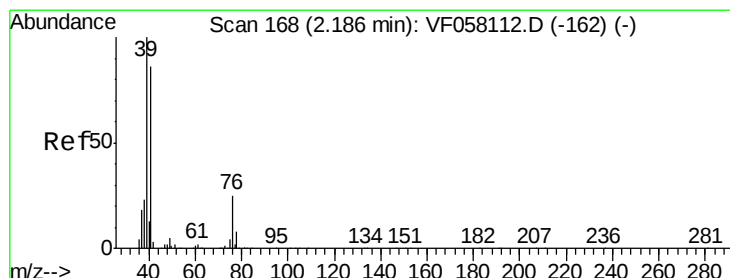
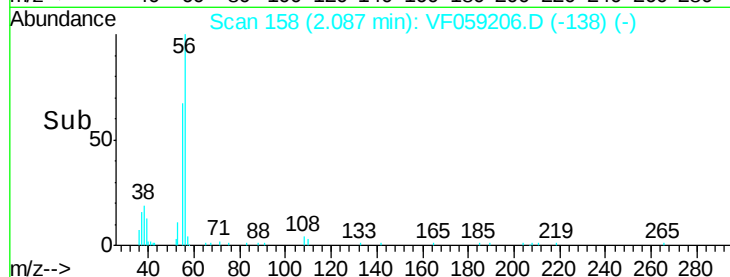
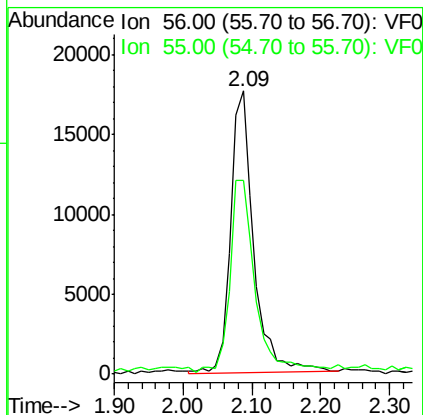
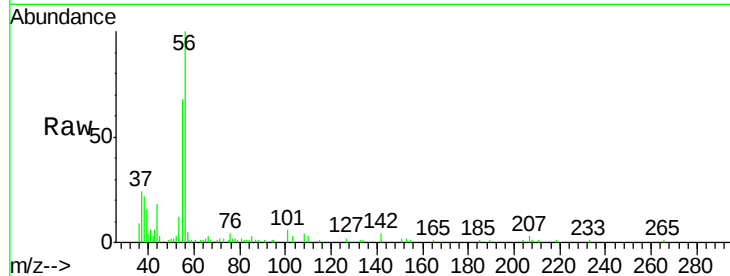
55 68.4 60.0 90.0

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#14

Allyl chloride

Concen: 51.99 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

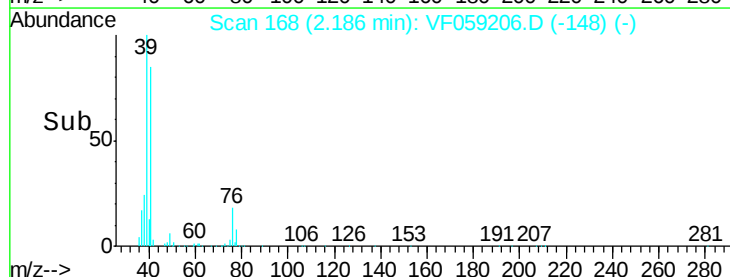
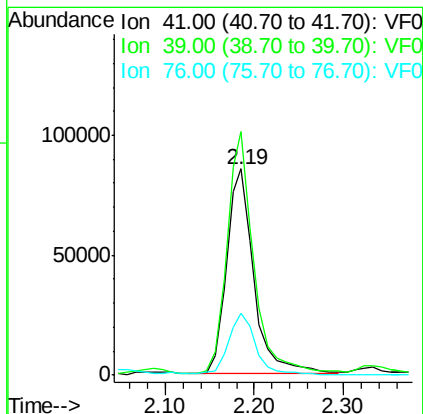
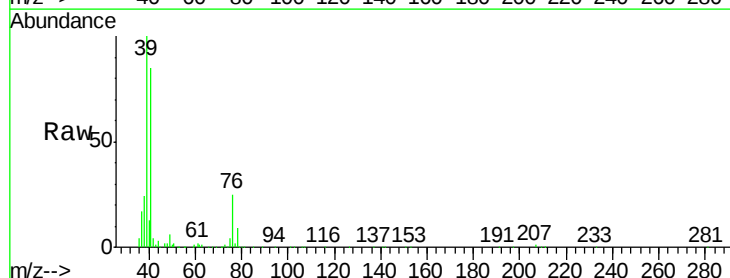
Tgt Ion: 41 Resp: 183738

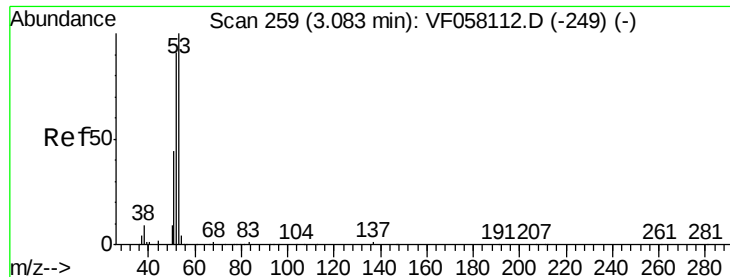
Ion Ratio Lower Upper

41 100

39 118.0 93.5 140.3

76 29.9 23.9 35.9





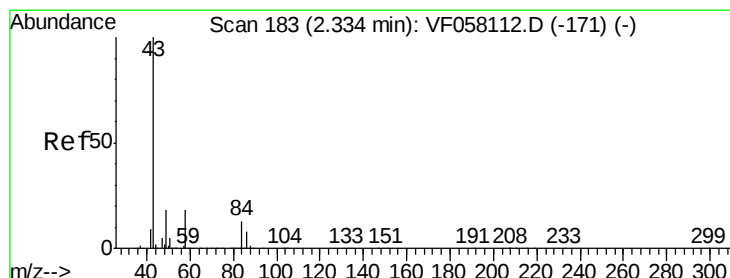
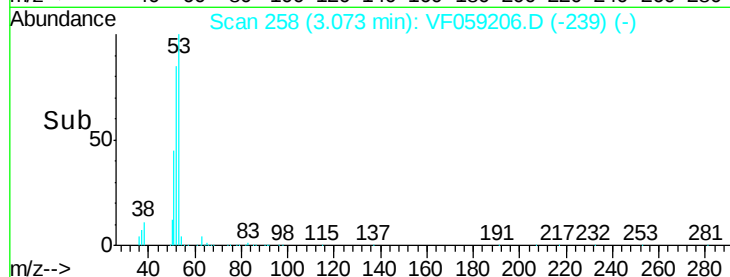
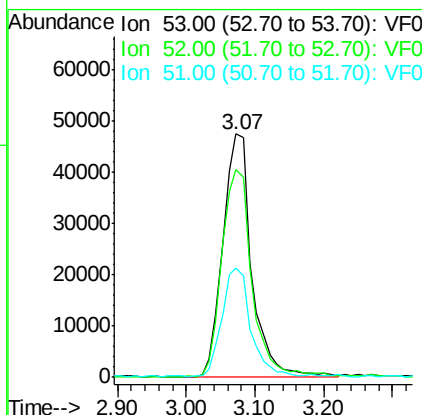
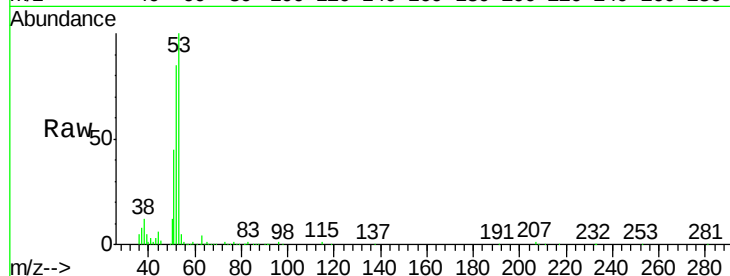
#15
 Acrylonitrile
 Concen: 329.63 ug/l
 RT: 3.07 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	139021
Ion	Ratio	Lower	Upper
53	100		
52	85.2	73.2	109.8
51	44.7	35.6	53.4

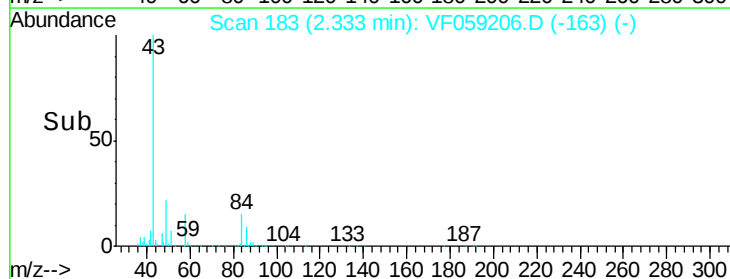
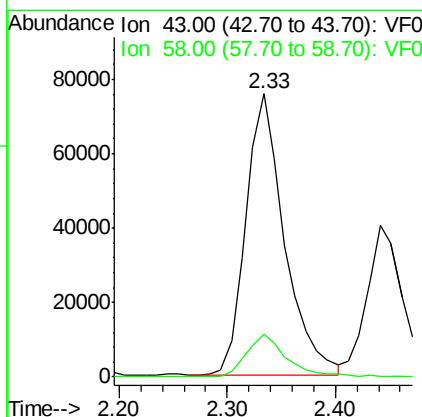
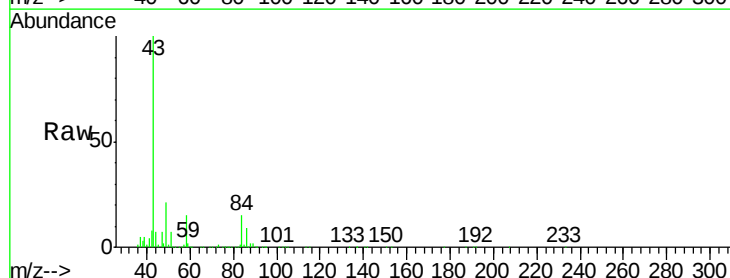
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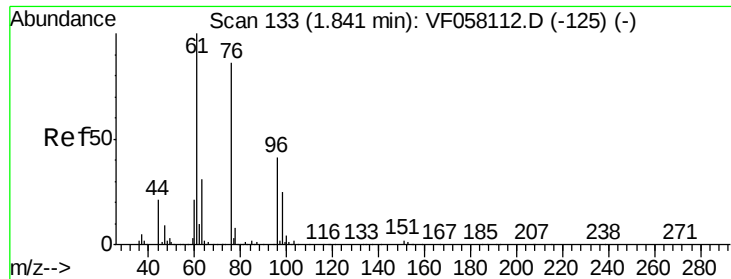
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#16
 Acetone
 Concen: 237.90 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Tgt Ion:	43	Resp:	188246
Ion	Ratio	Lower	Upper
43	100		
58	15.2	14.4	21.6





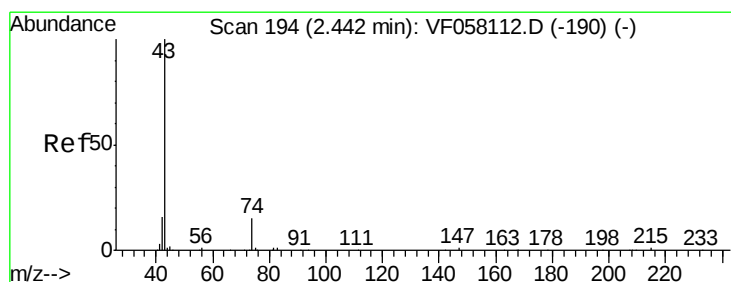
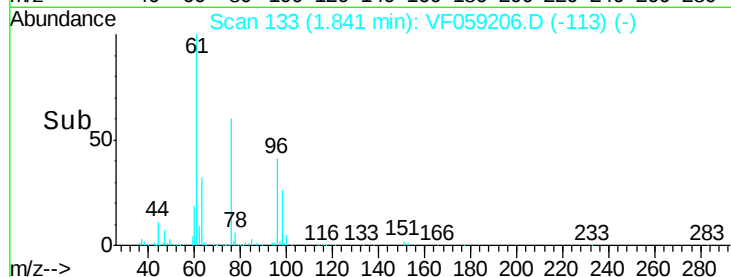
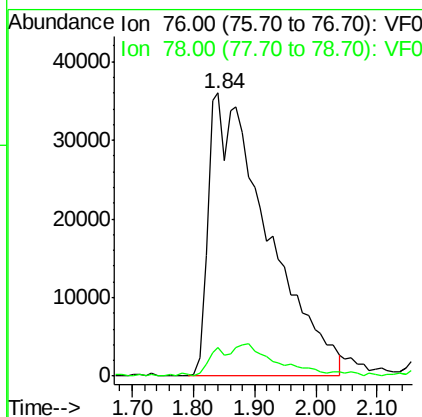
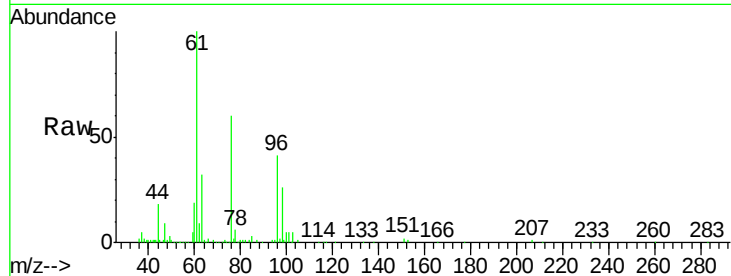
#17
Carbon Disulfide
Concen: 47.82 ug/l m
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.8	11.8

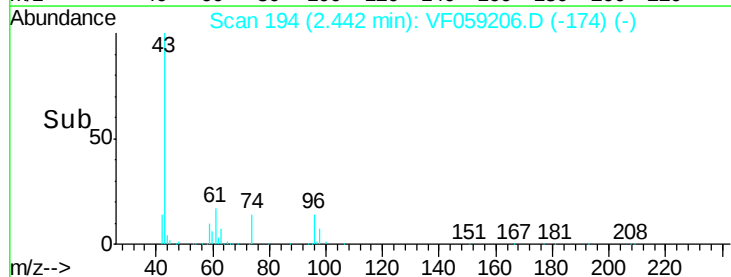
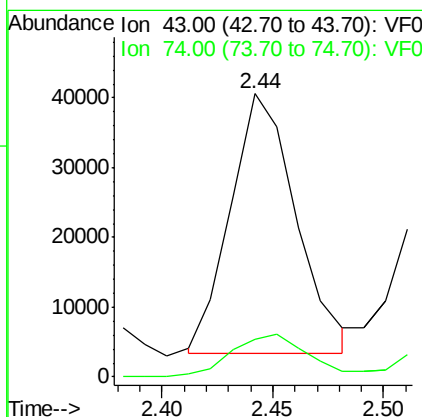
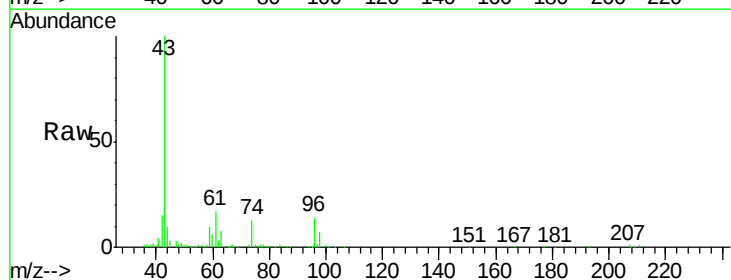
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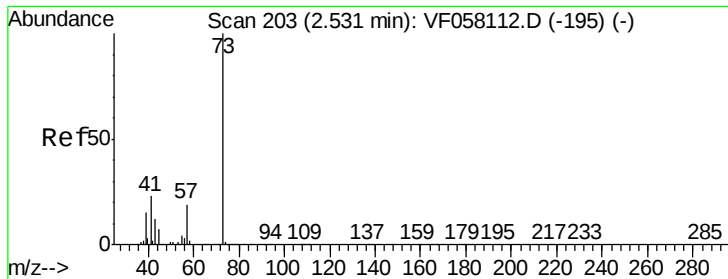
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#18
Methyl Acetate
Concen: 56.21 ug/l m
RT: 2.44 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.5	10.9	16.3





#19

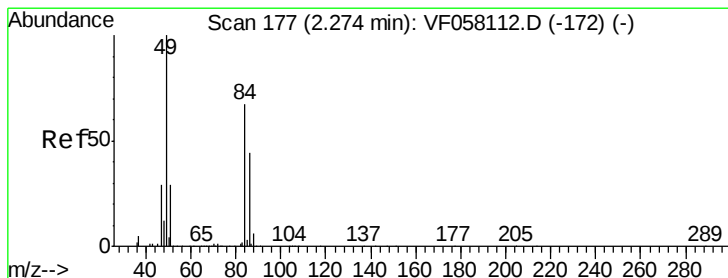
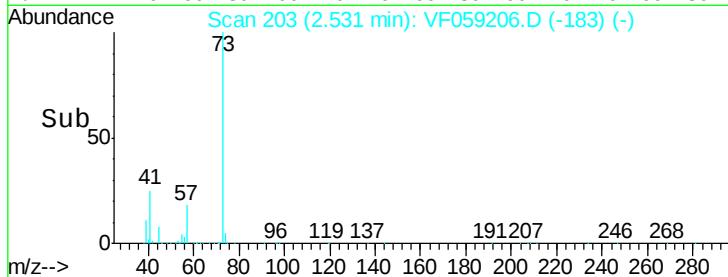
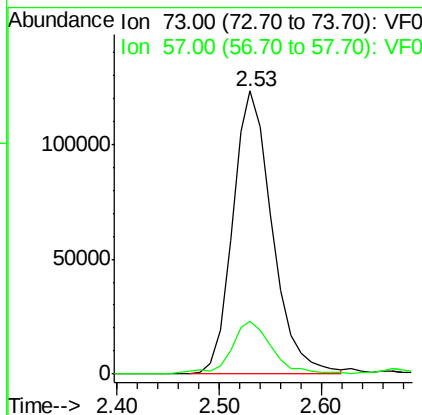
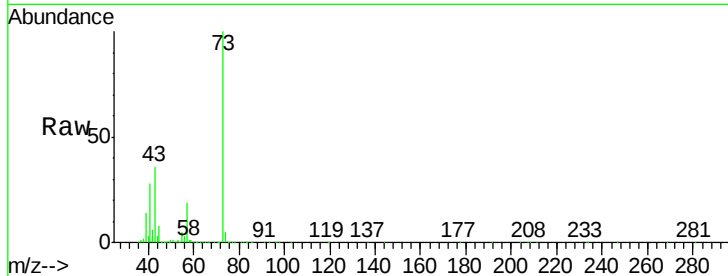
Methyl tert-butyl Ether
 Concen: 59.23 ug/l m
 RT: 2.53 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	73	Resp	331085
Ion Ratio	Lower	Upper	
73	100		
57	18.7	15.0	22.4

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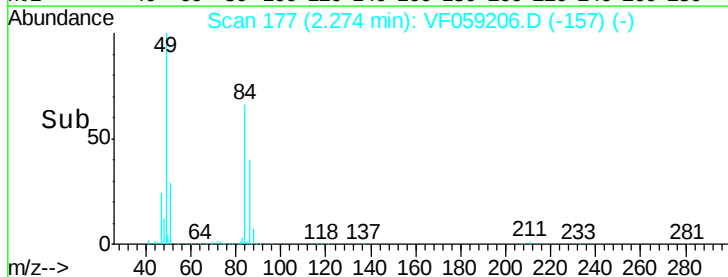
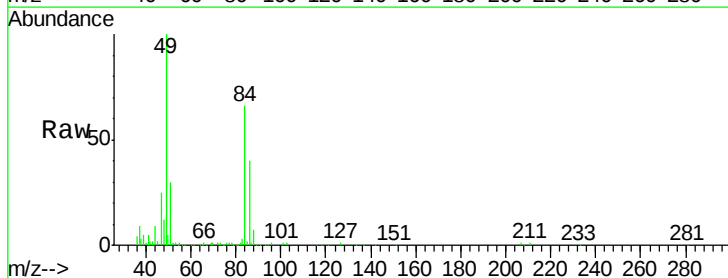
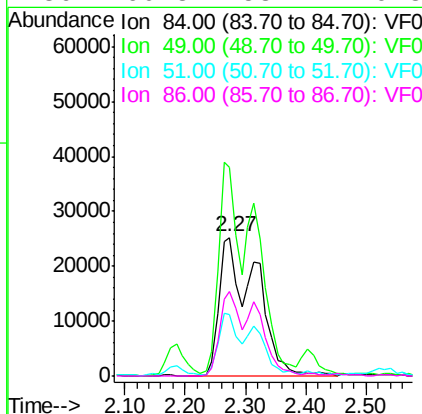
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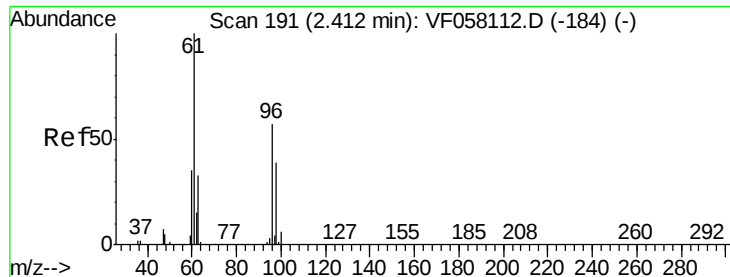


#20

Methylene Chloride
 Concen: 56.06 ug/l m
 RT: 2.27 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Tgt Ion	84	Resp	106220
Ion Ratio	Lower	Upper	
84	100		
49	151.0	121.0	181.4
51	44.7	35.8	53.6
86	60.8	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 50.47 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

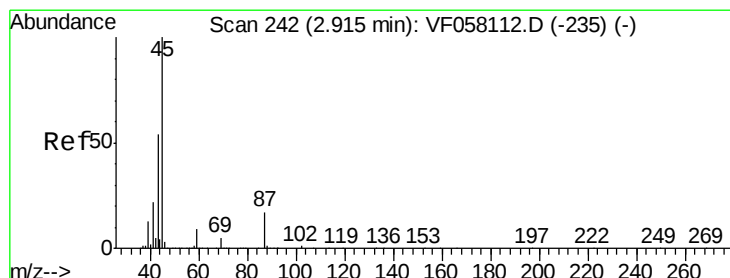
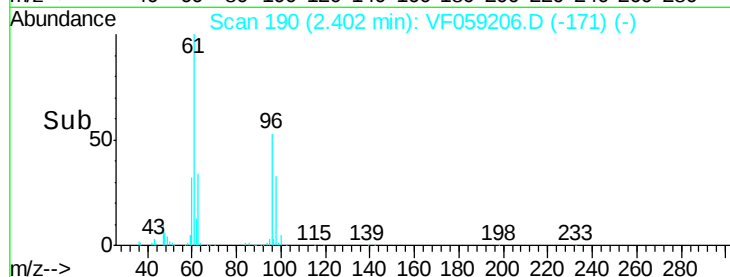
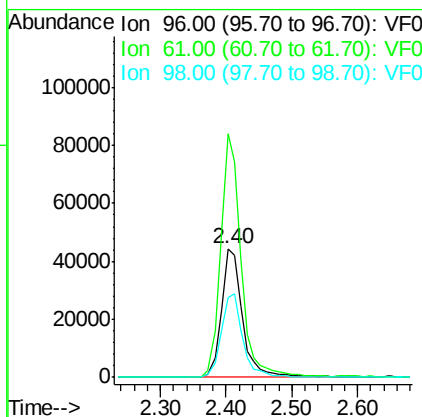
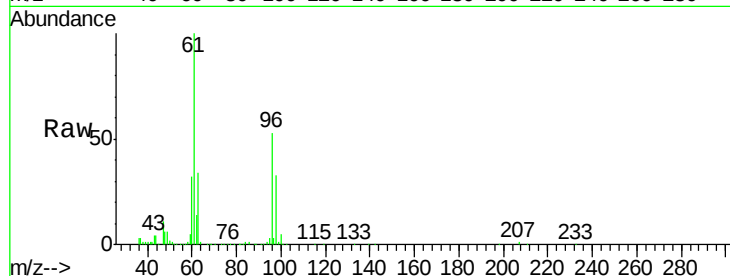
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	99673
Ion	Ratio	Lower	Upper
96	100		
61	188.7	139.4	209.2
98	61.6	54.0	81.0

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#22

Diisopropyl ether

Concen: 59.67 ug/l

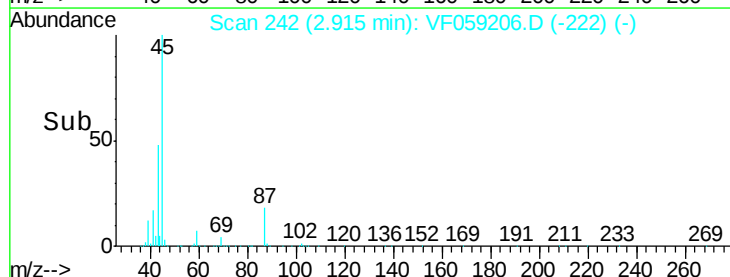
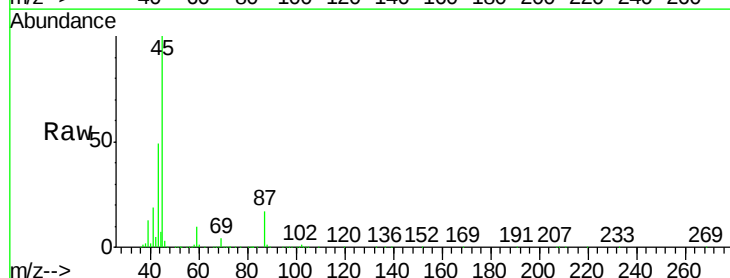
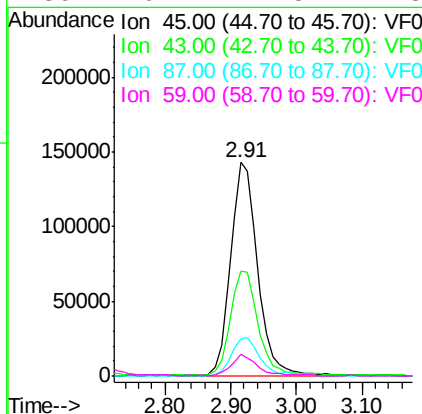
RT: 2.91 min Scan# 242

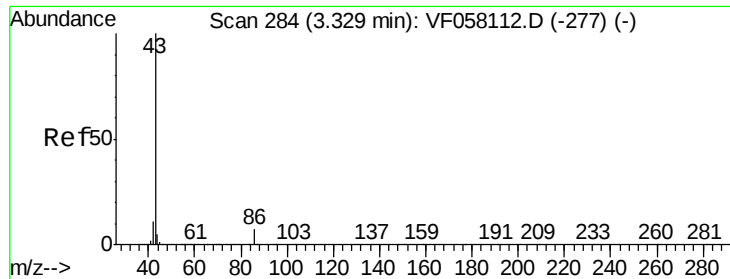
Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tgt Ion:	45	Resp:	414572
Ion	Ratio	Lower	Upper
45	100		
43	49.4	43.2	64.8
87	17.5	13.8	20.6
59	10.2	7.5	11.3





#23

Vinyl Acetate

Concen: 278.97 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1277829

Ion Ratio Lower Upper

43 100

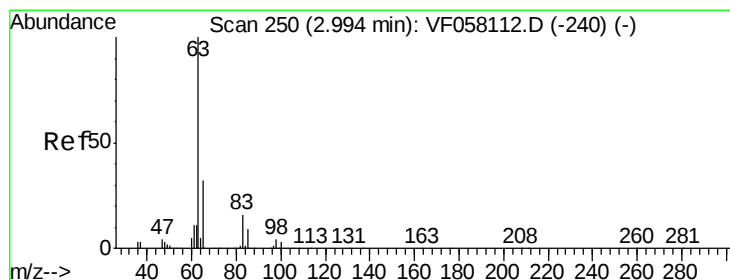
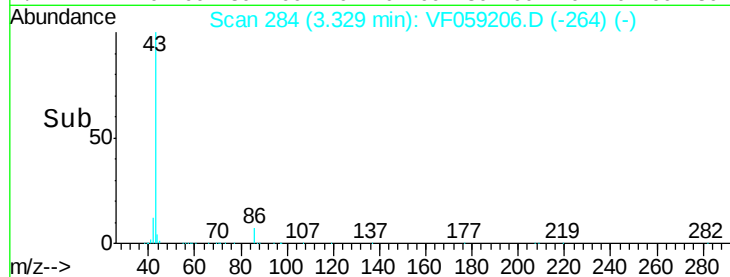
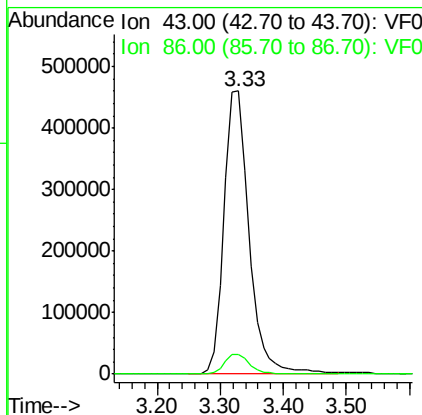
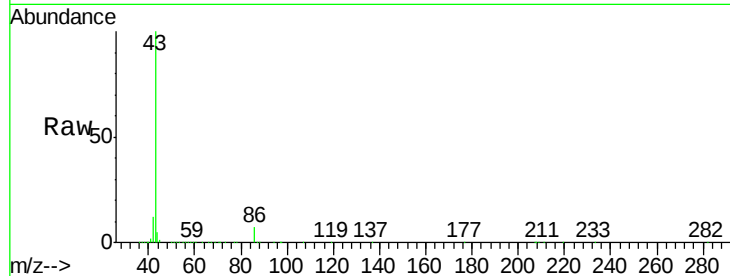
86 7.0 6.0 9.0

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#24

1,1-Dichloroethane

Concen: 55.36 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

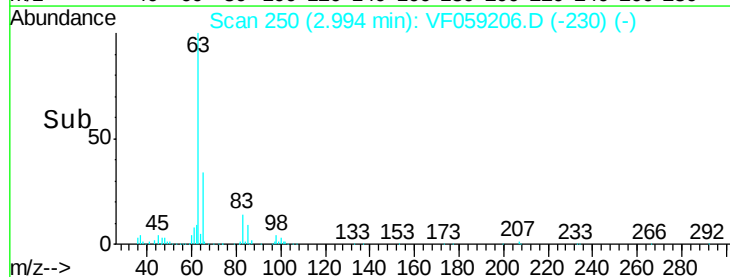
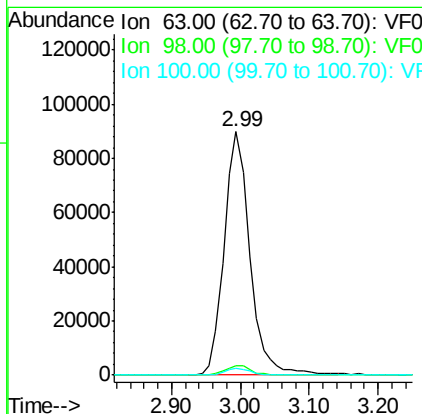
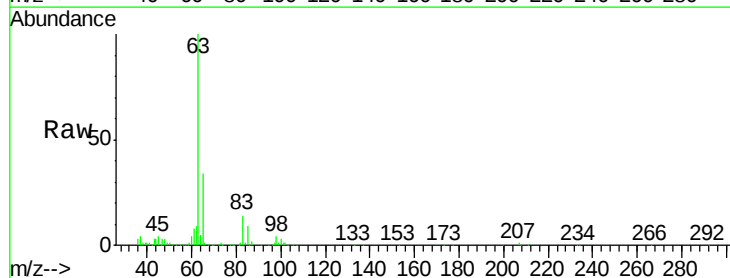
Tgt Ion: 63 Resp: 233150

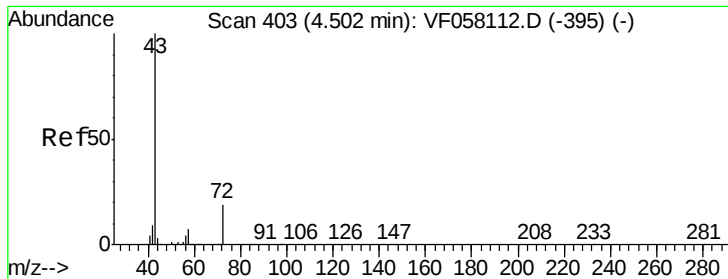
Ion Ratio Lower Upper

63 100

98 3.8 2.0 6.0

100 2.6 1.4 4.0





#25

2-Butanone

Concen: 251.54 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tot Ion: 43 Resp: 308586

Ion Ratio Lower Upper

43 100

72 16.6 16.1 24.1

Instrument :

MSVOA_F

ClientSampleId :

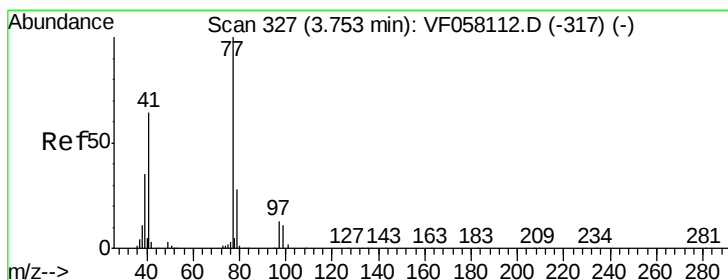
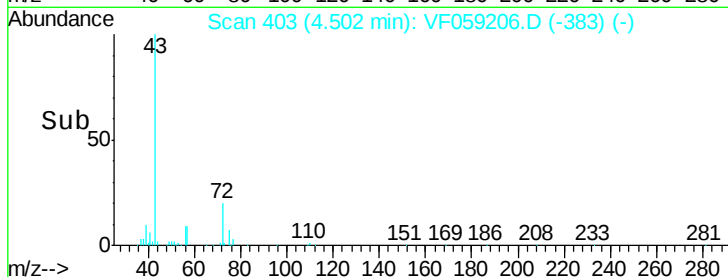
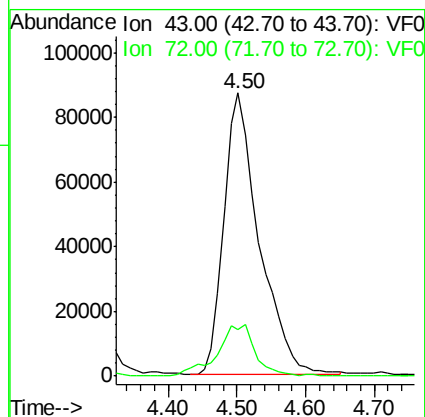
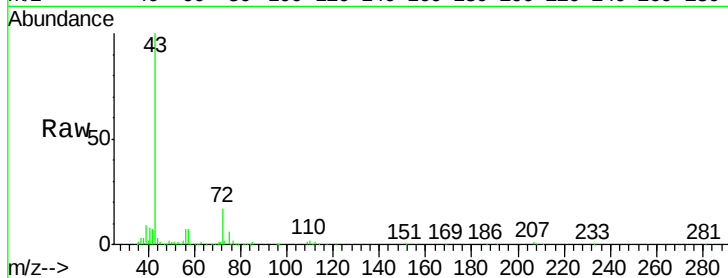
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 45.90 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059206.D

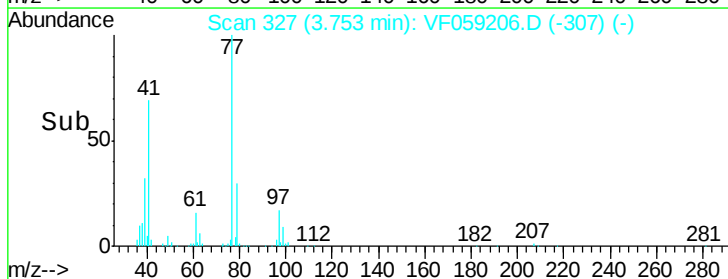
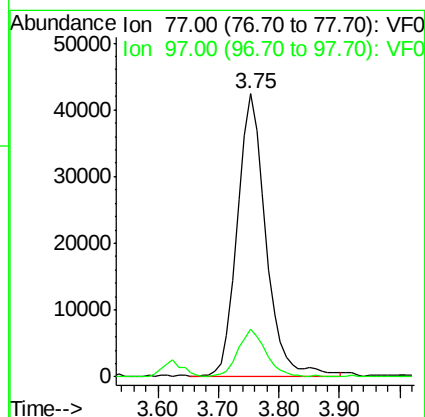
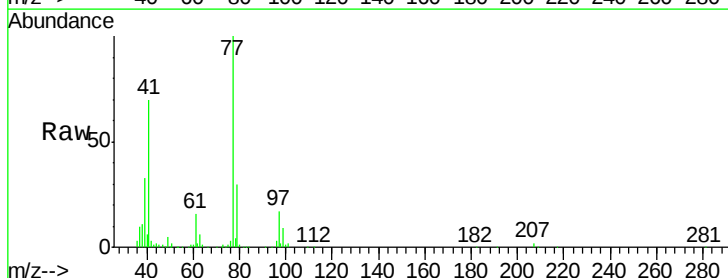
Acq: 20 Jun 2018 00:44

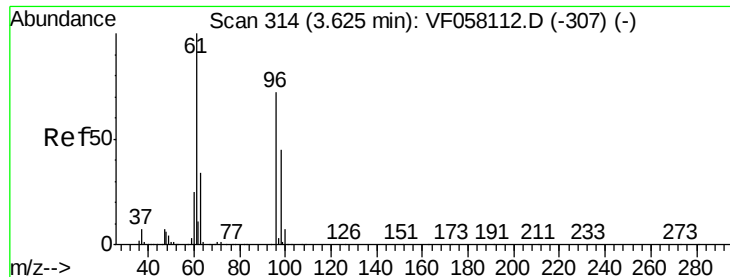
Tgt Ion: 77 Resp: 140240

Ion Ratio Lower Upper

77 100

97 17.1 7.2 21.6





#27

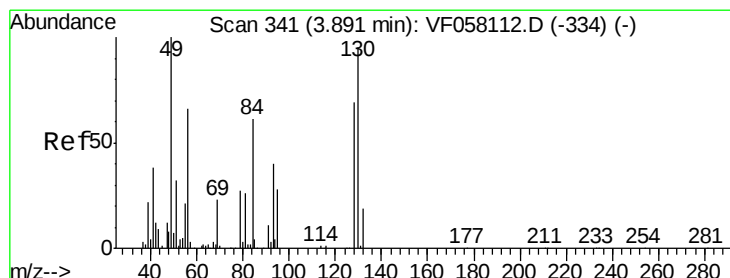
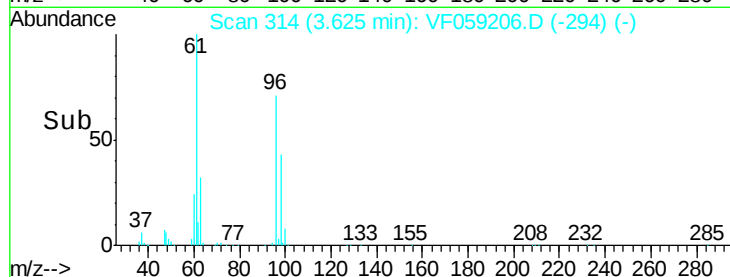
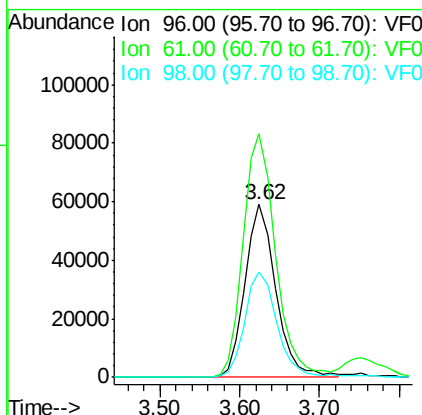
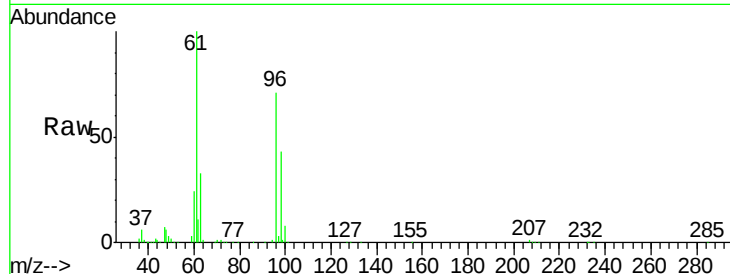
cis-1,2-Dichloroethene
Concen: 51.95 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	157888		
61	140.7	0.0	278.6	
98	60.6	0.0	125.2	

Manual Integrations
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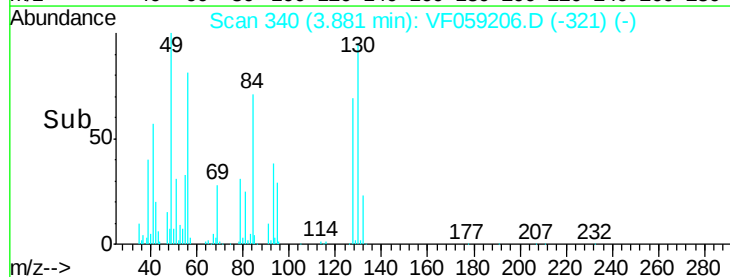
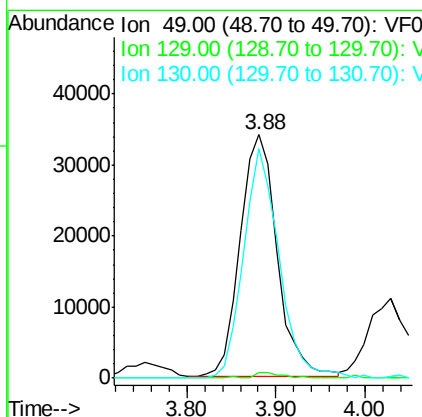
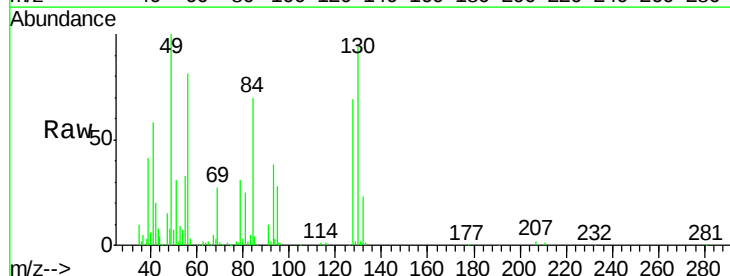
apatel
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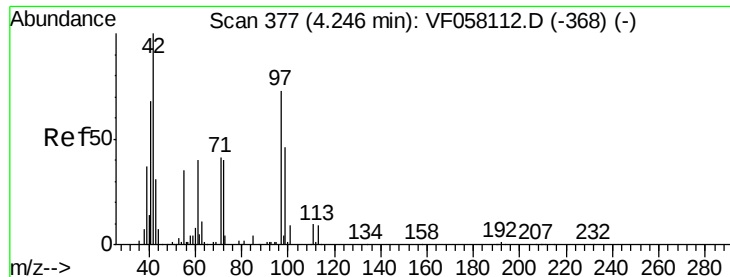


#28

Bromochloromethane
Concen: 52.00 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	98579		
129	2.1	0.0	0.0#	
130	94.2	75.8	113.8	





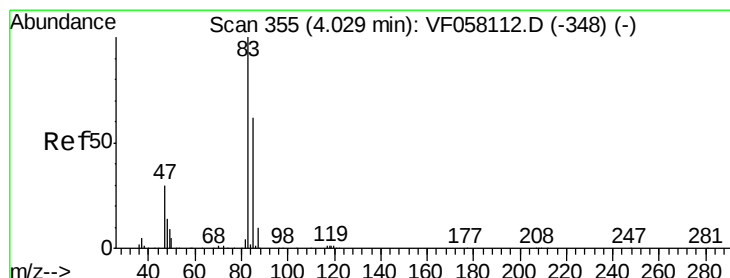
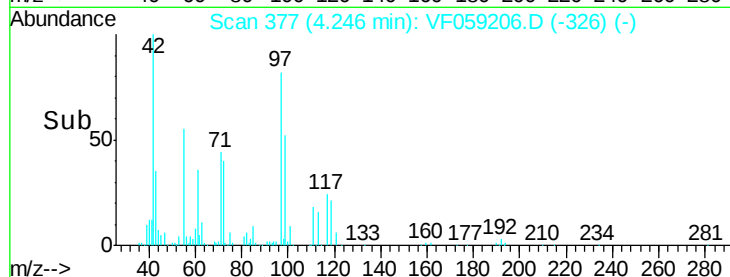
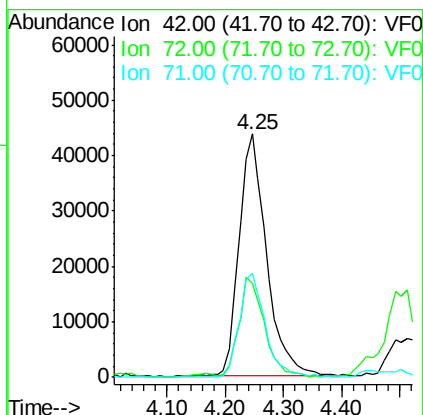
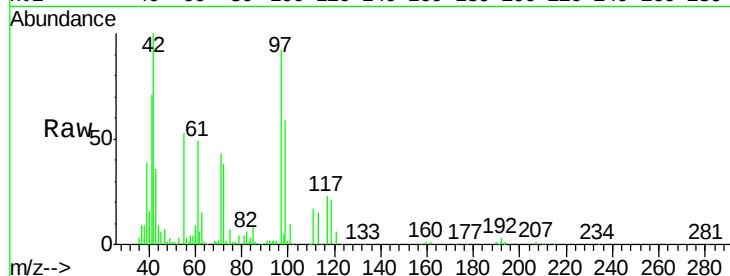
#29
Tetrahydrofuran
Concen: 266.83 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.5	45.7
71	40.8	31.5	47.3

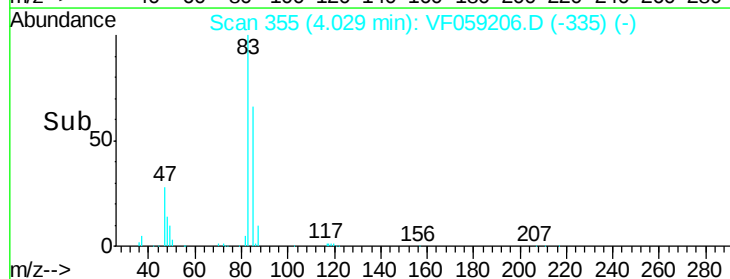
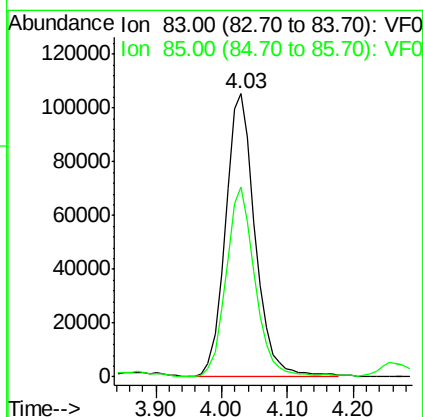
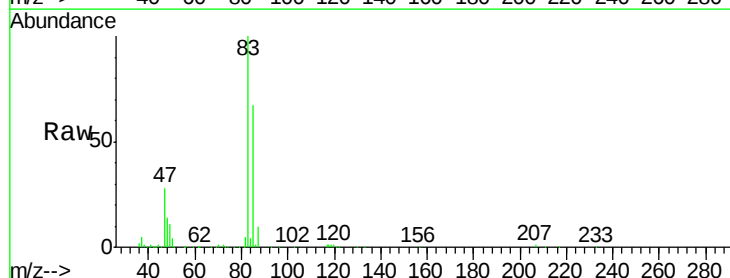
Manual Integrations
APPROVED

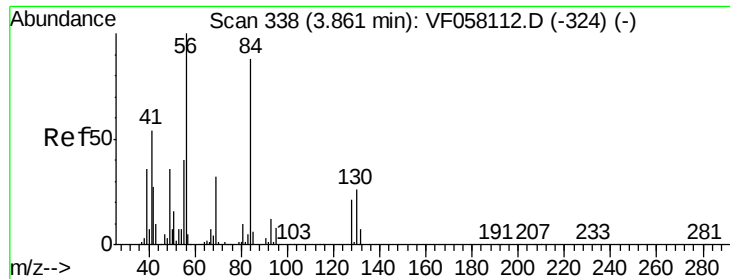
apatel
6/20/2018 11:18:56 AM



#30
Chloroform
Concen: 54.74 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	49.5	74.3





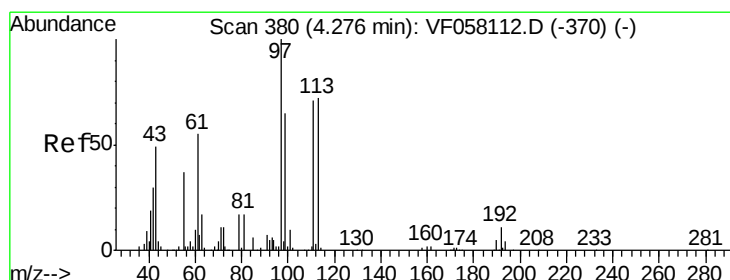
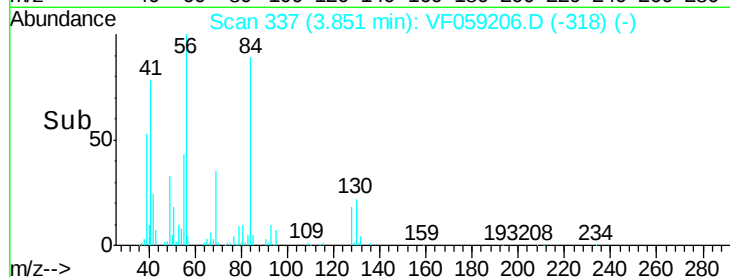
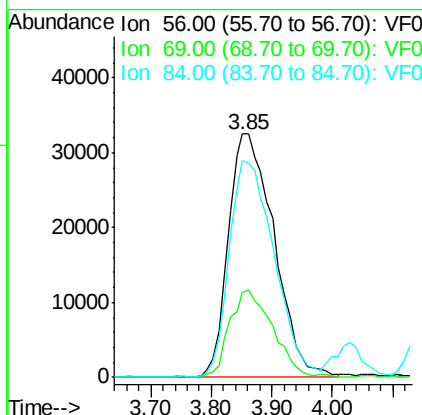
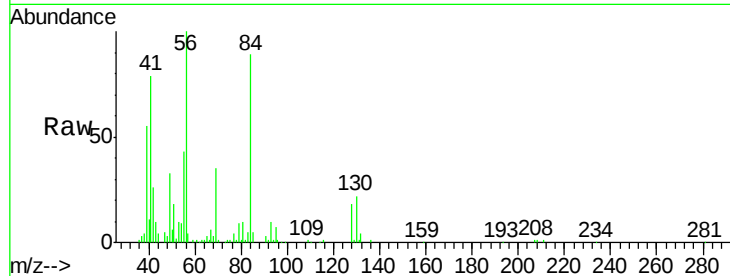
#31
Cyclohexane
Concen: 46.22 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	25.9	38.9
84	88.8	70.3	105.5

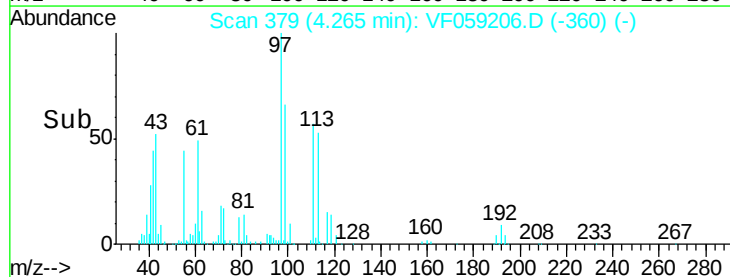
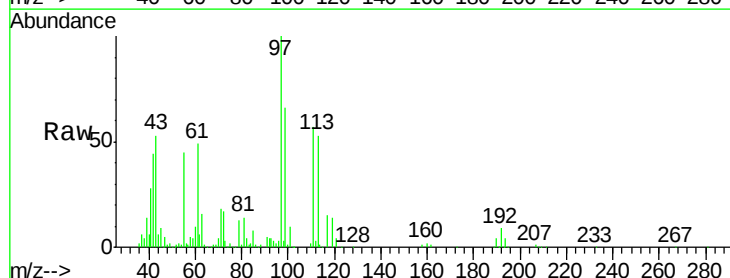
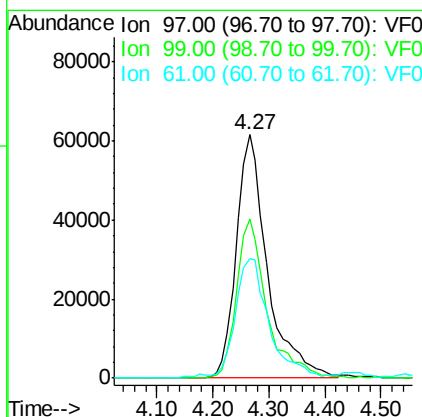
Manual Integrations
APPROVED

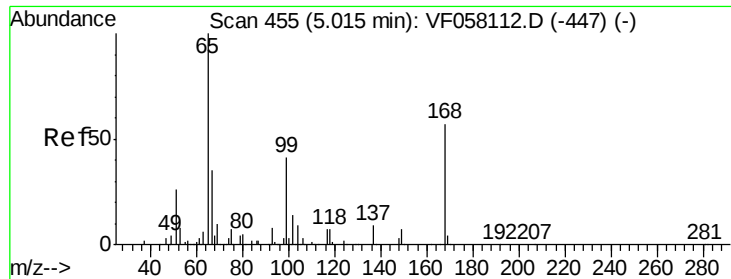
apatel
6/20/2018 11:18:56 AM



#32
1,1,1-Trichloroethane
Concen: 52.73 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.0	78.0
61	49.3	44.3	66.5





#33

1,2-Dichloroethane-d4

Concen: 56.46 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tot Ion: 65 Resp: 187129

Ion Ratio Lower Upper

65 100

67 44.6 0.0 97.0

Instrument :

MSVOA_F

ClientSampleId :

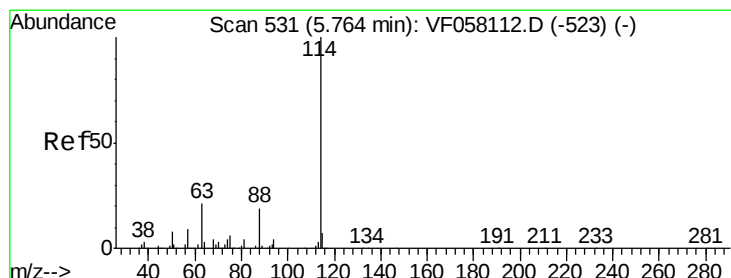
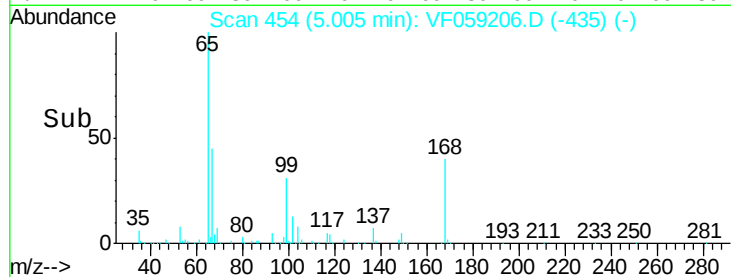
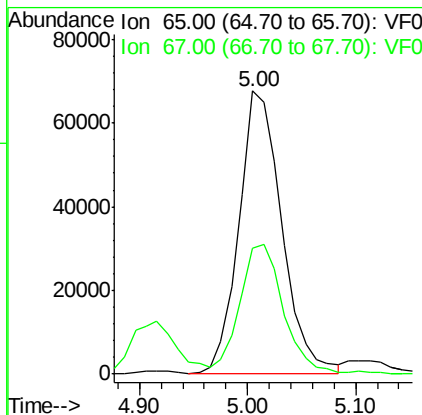
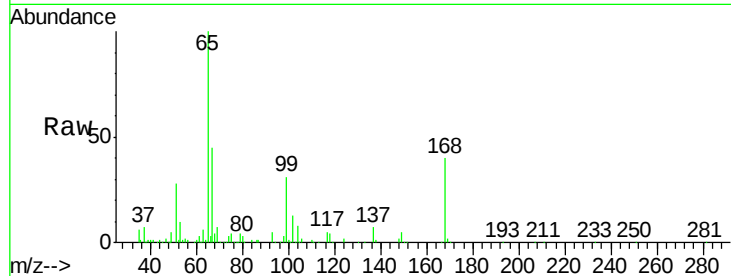
VSTDCCC050

Manual Integrations

APPROVED

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

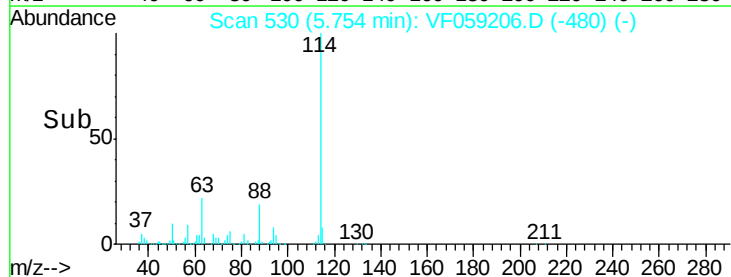
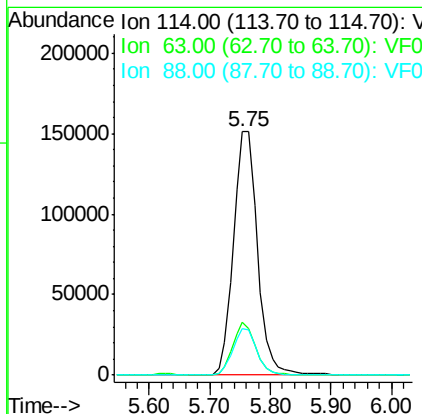
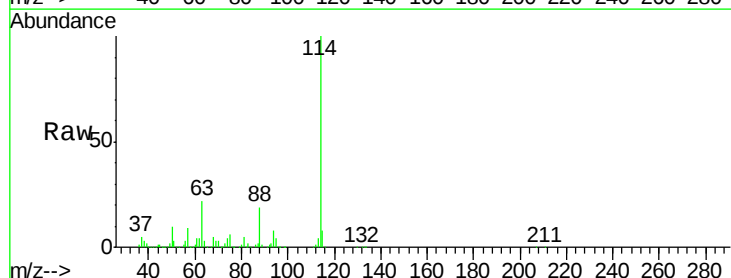
Tgt Ion: 114 Resp: 418542

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.6

88 19.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 56.73 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

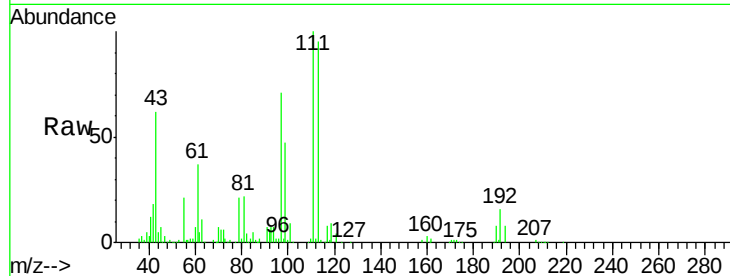
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	166613
Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.3	121.9
192	17.2	12.7	19.1

Manual Integrations
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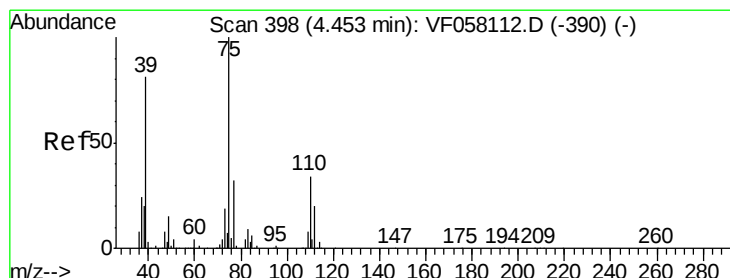
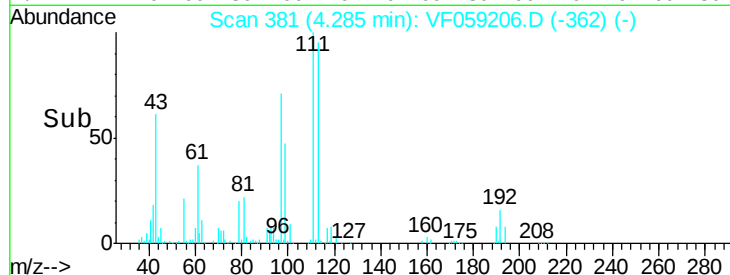
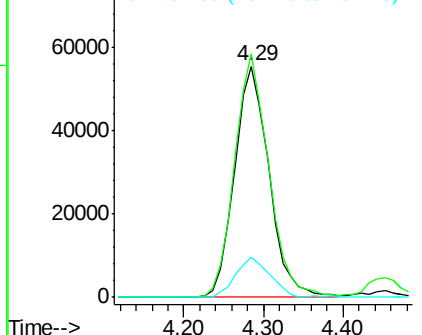
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 54.73 ug/l

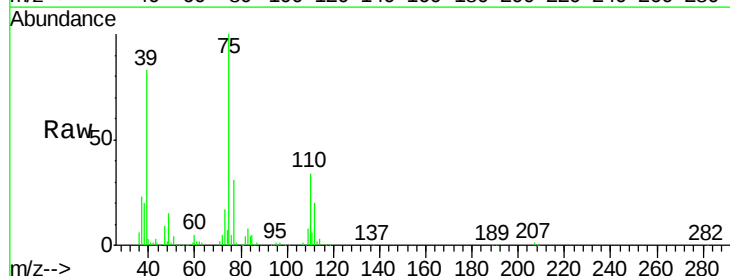
RT: 4.45 min Scan# 398

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

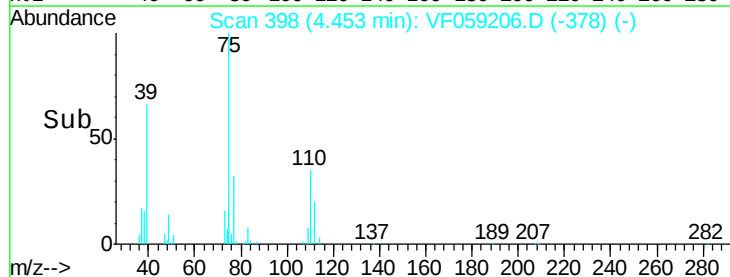
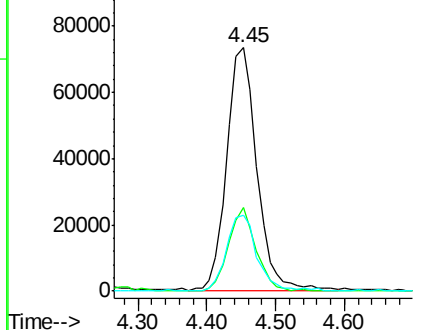
Tgt Ion:	75	Resp:	222031
Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.0	50.9
77	31.4	25.3	37.9

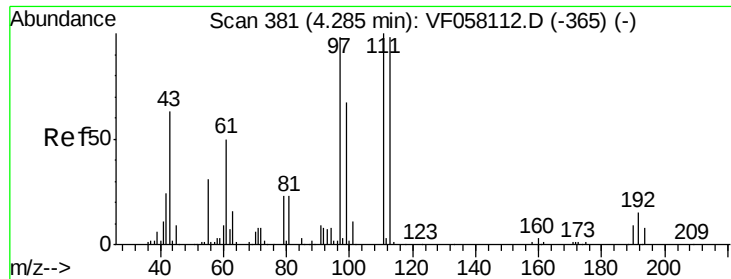


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





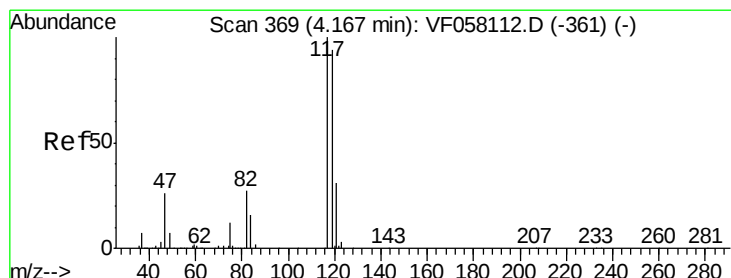
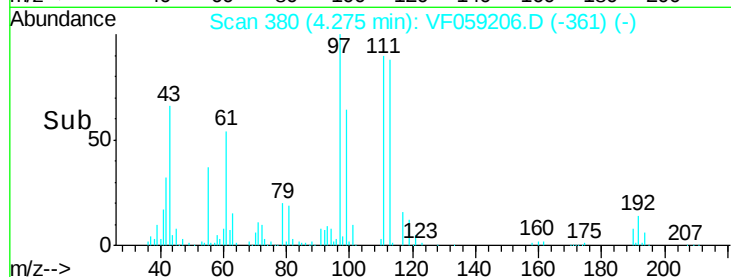
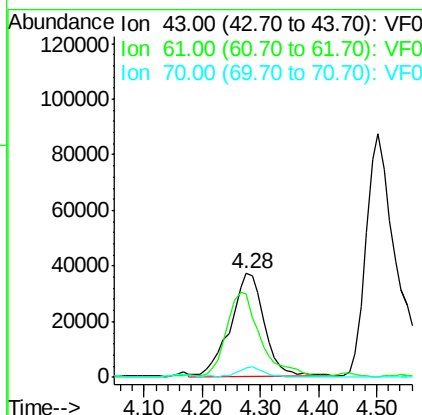
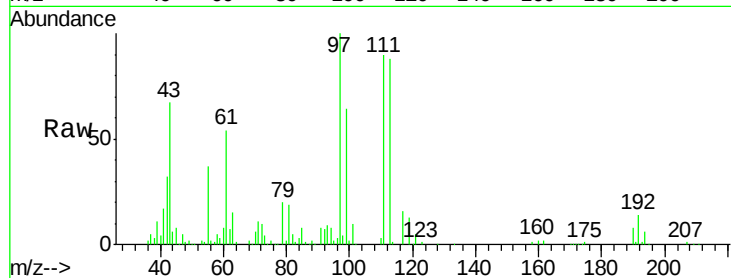
#37
Ethyl Acetate
Concen: 59.26 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	80.5	63.0	94.4
70	8.5	7.5	11.3

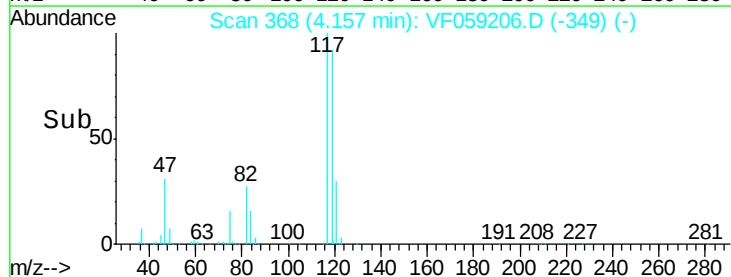
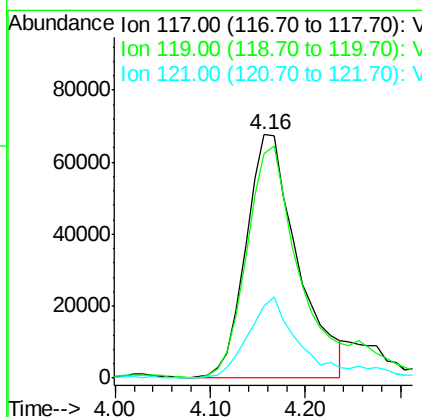
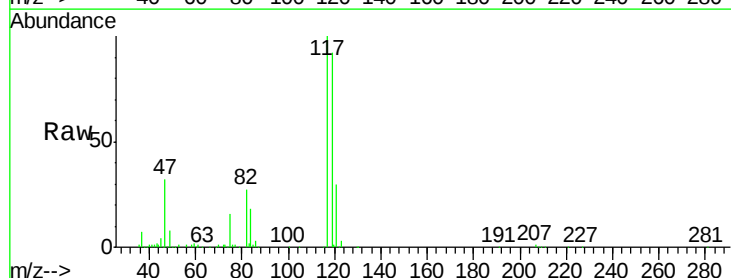
Manual Integrations
APPROVED

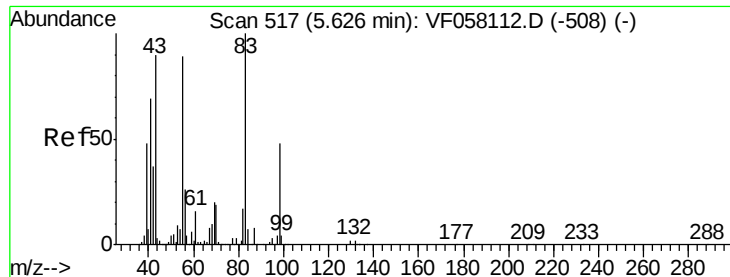
apatel
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#38
Carbon Tetrachloride
Concen: 58.08 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	75.7	113.5
121	29.6	24.8	37.2





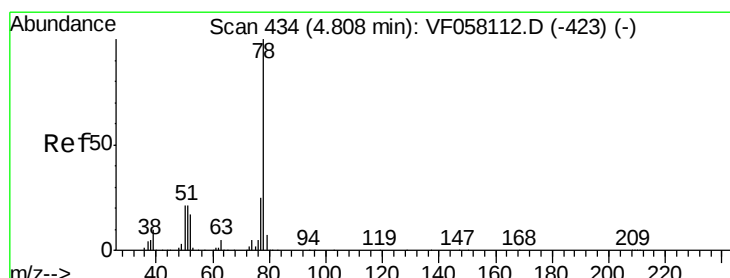
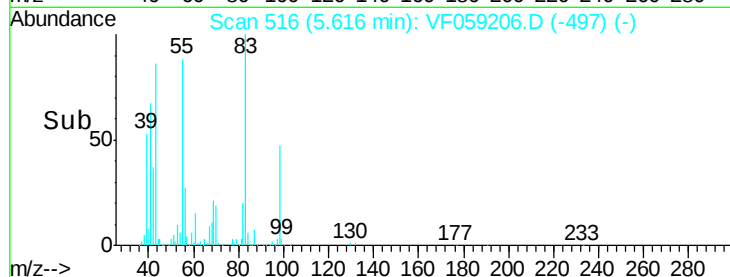
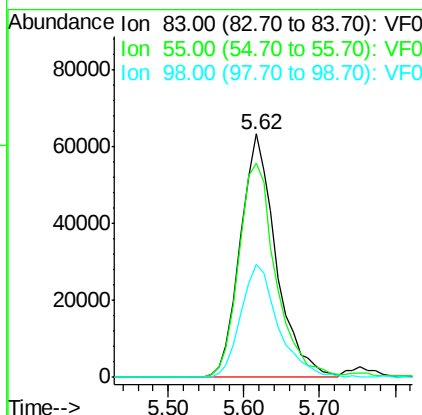
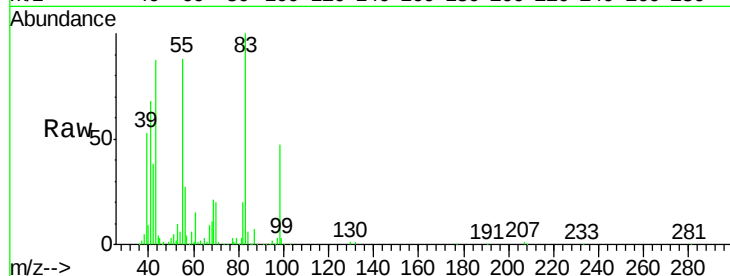
#39
Methvlcvclohexane
Concen: 50.33 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.1	71.0	106.4
98	46.7	38.1	57.1

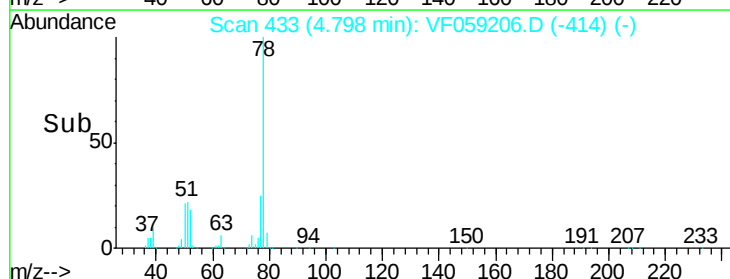
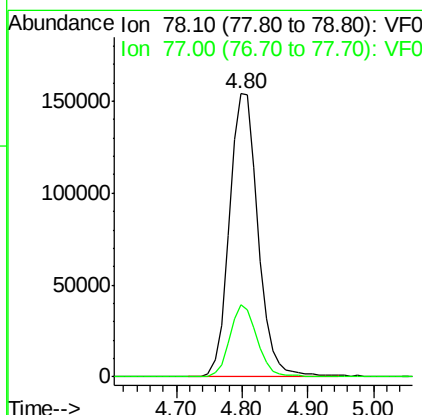
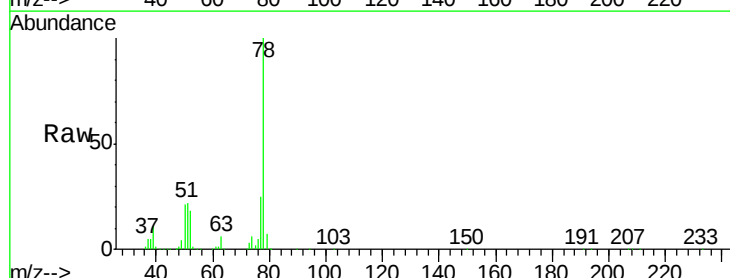
Manual Integrations
APPROVED

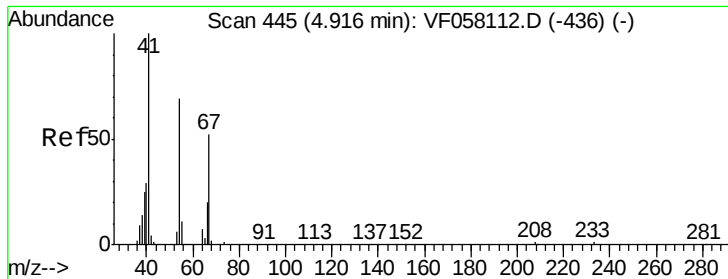
apatel
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#40
Benzene
Concen: 50.26 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	20.2	30.2





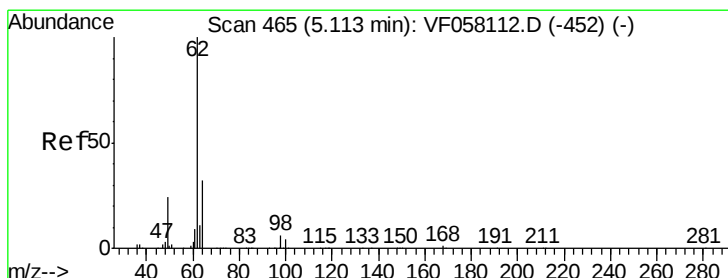
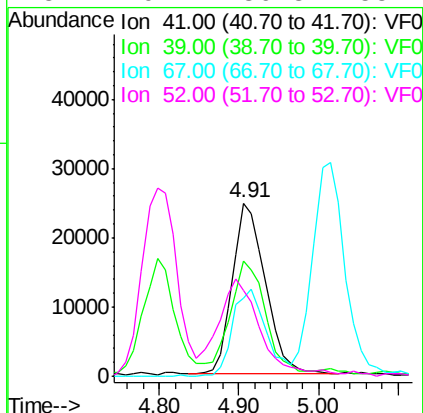
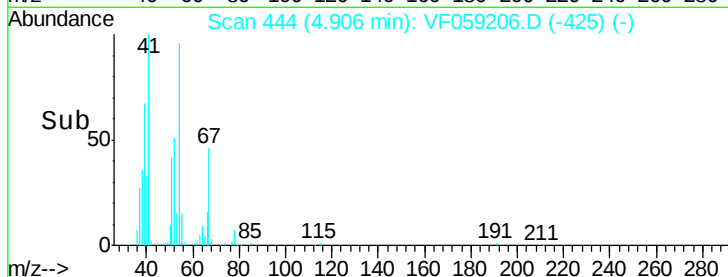
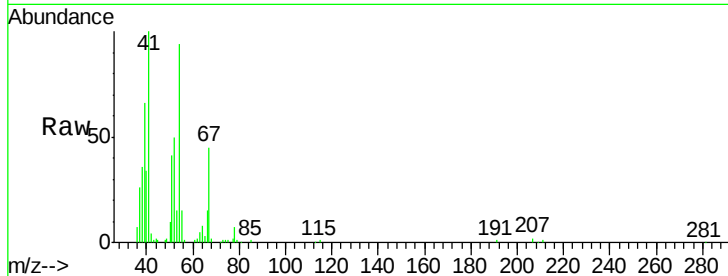
#41
Methacrylonitrile
Concen: 58.03 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	71459
Ion	Ratio	Lower	Upper
41	100		
39	66.2	53.0	79.4
67	45.2	41.0	61.6
52	49.7	36.8	55.2

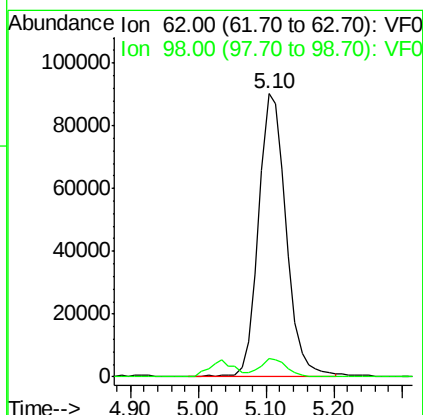
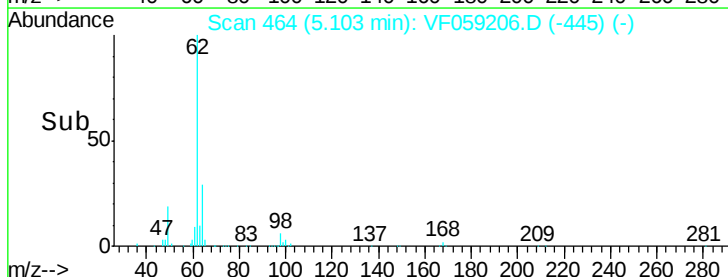
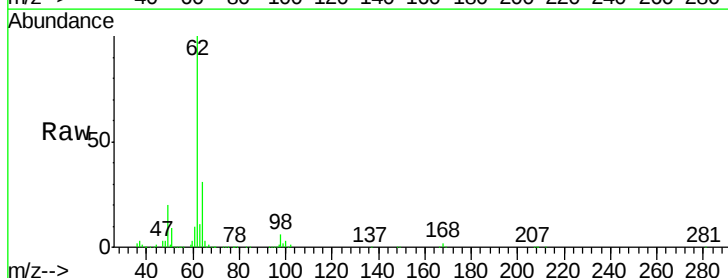
Manual Integrations
APPROVED

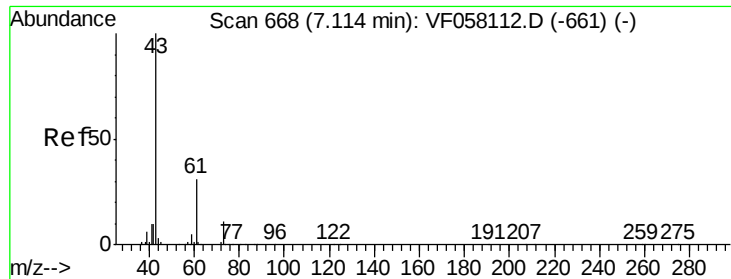
apatel
6/20/2018 11:18:56 AM



#42
1,2-Dichloroethane
Concen: 60.66 ug/l m
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion:	62	Resp:	256177
Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	11.8





#43

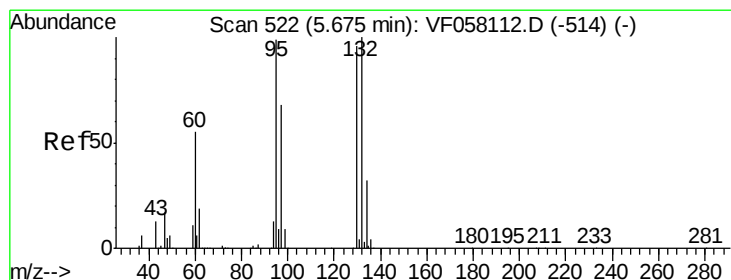
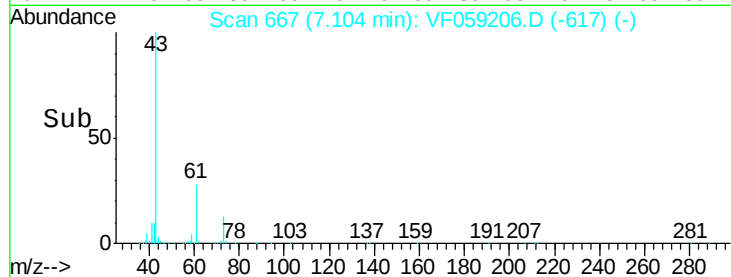
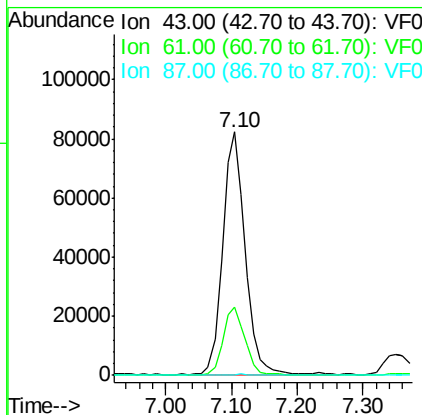
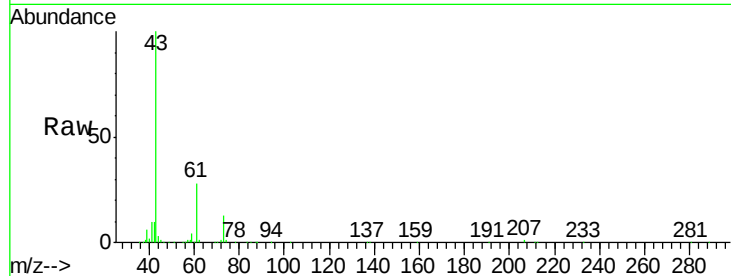
Isopropyl Acetate
 Concen: 57.78 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	25.1	37.7
87	0.3	0.2	0.4

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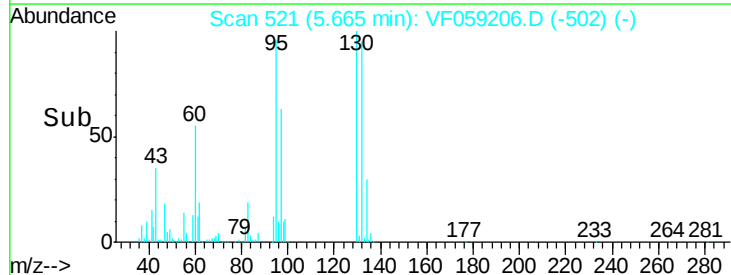
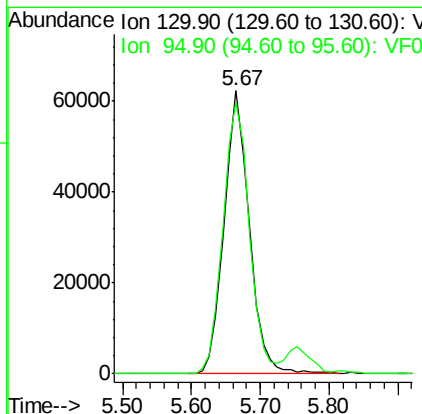
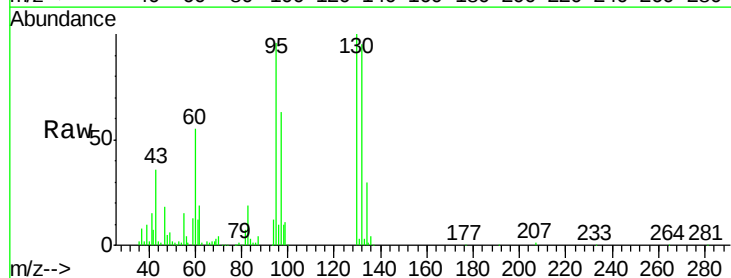
apatel
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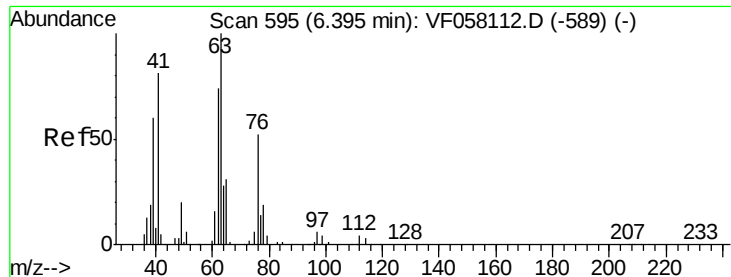


#44

Trichloroethene
 Concen: 53.78 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	206.8





#45

1,2-Dichloropropane

Concen: 51.27 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 139211

Ion Ratio Lower Upper

63 100

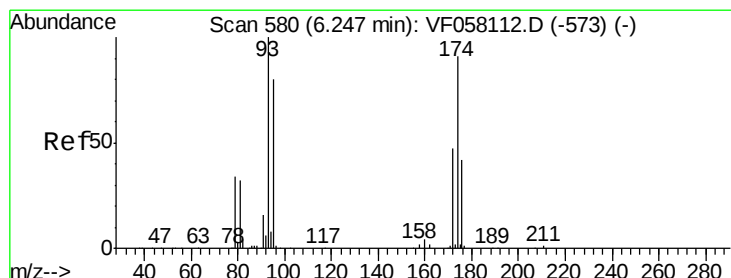
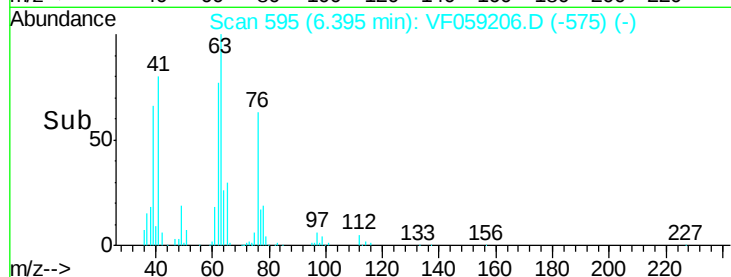
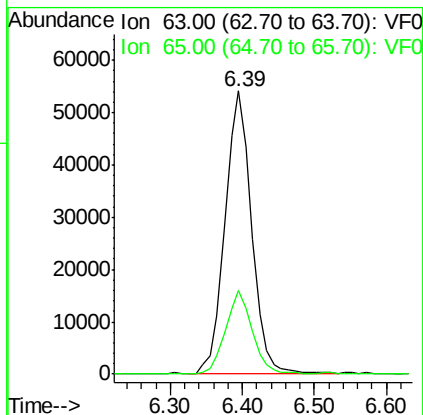
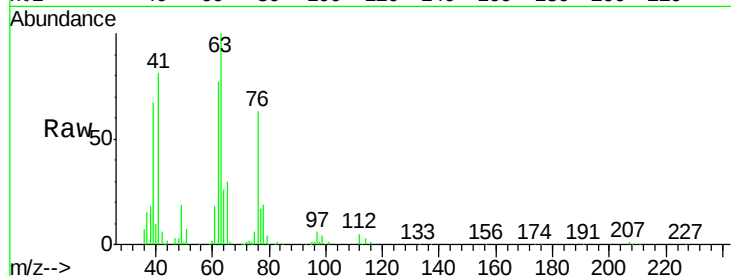
65 29.6 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 55.64 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

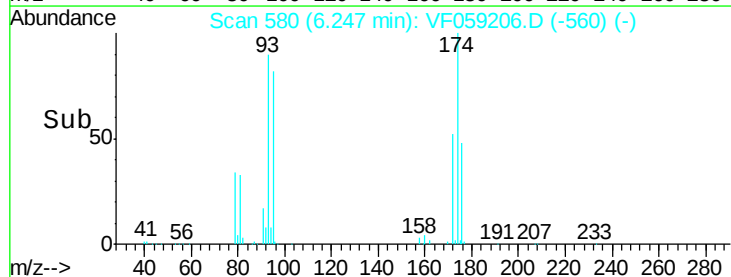
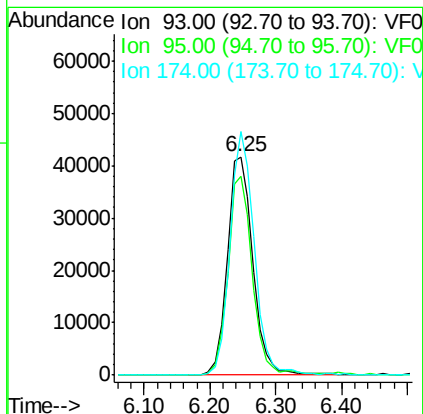
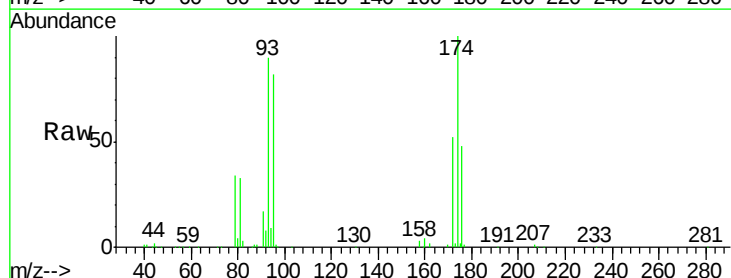
Tgt Ion: 93 Resp: 113656

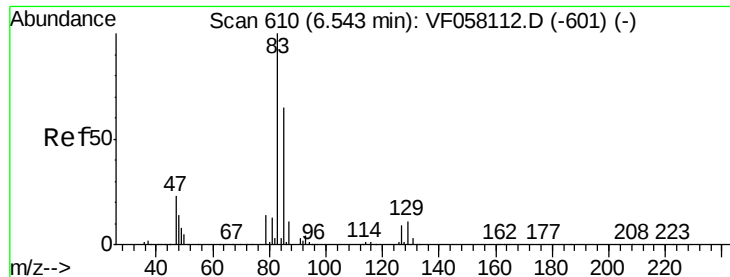
Ion Ratio Lower Upper

93 100

95 90.8 64.2 96.4

174 111.4 72.7 109.1#





#47

Bromodichloromethane

Concen: 57.30 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

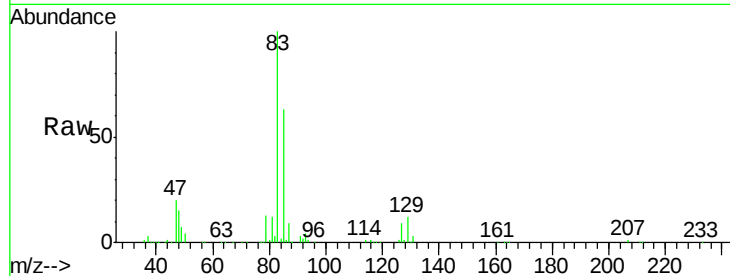
ClientSampleId :

VSTDCCC050

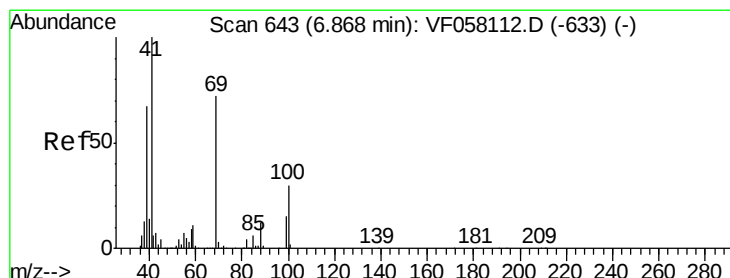
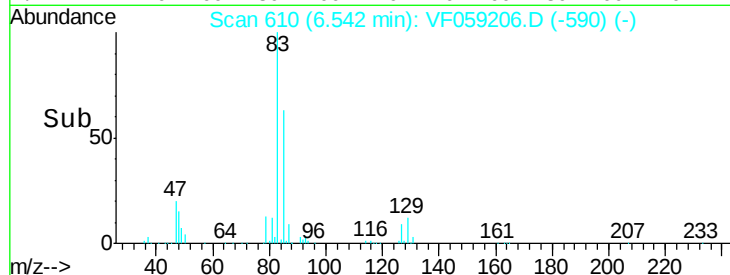
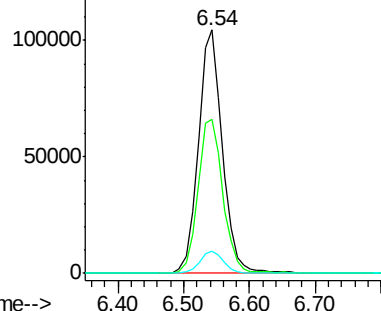
Tot Ion:	83	Resp:	266284
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.6	77.4
127	8.9	7.2	10.8

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 59.92 ug/l

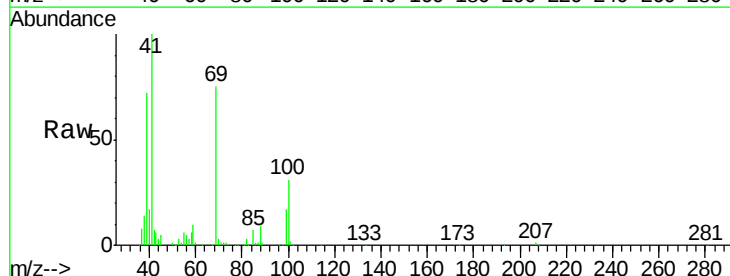
RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

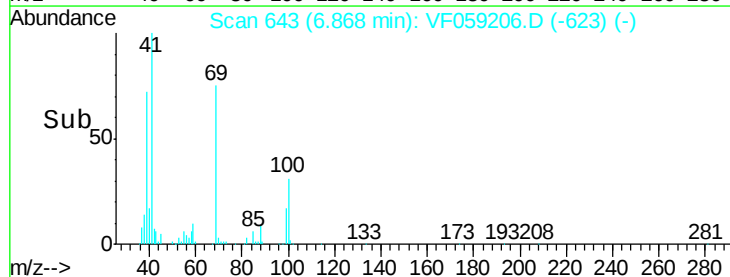
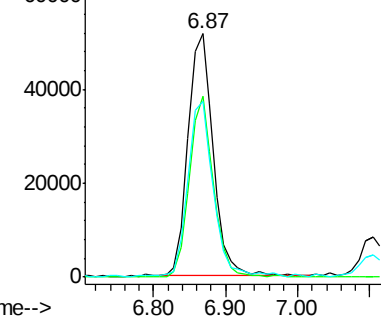
Lab File: VF059206.D

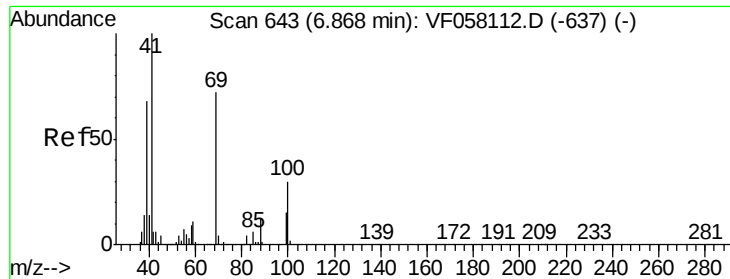
Acq: 20 Jun 2018 00:44

Tgt Ion:	41	Resp:	124000
Ion Ratio	Lower	Upper	
41	100		
69	74.5	57.2	85.8
39	72.0	54.3	81.5



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





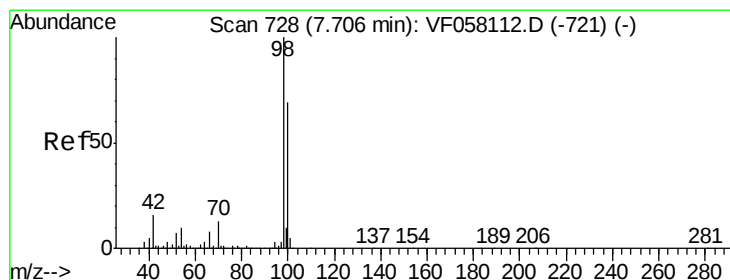
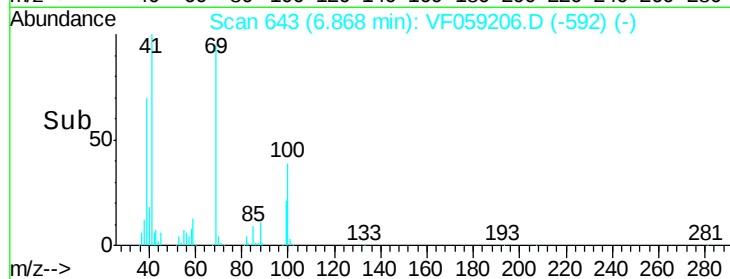
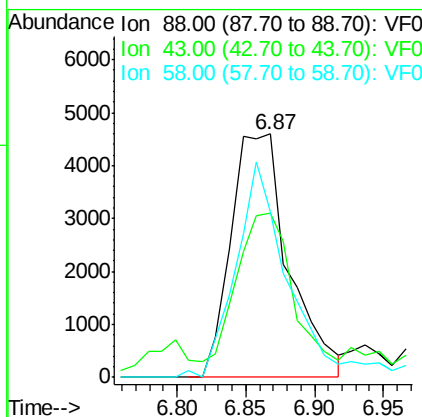
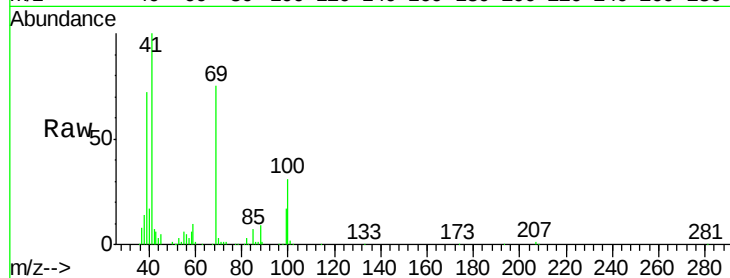
#49
1,4-Dioxane
Concen: 890.10 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	13476
Ion	Ratio	Lower	Upper
88	100		
43	67.5	47.8	71.8
58	67.8	59.4	89.0

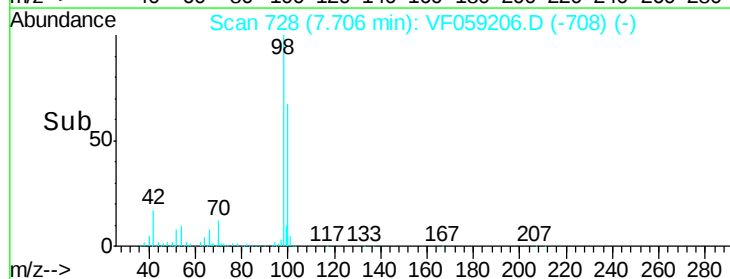
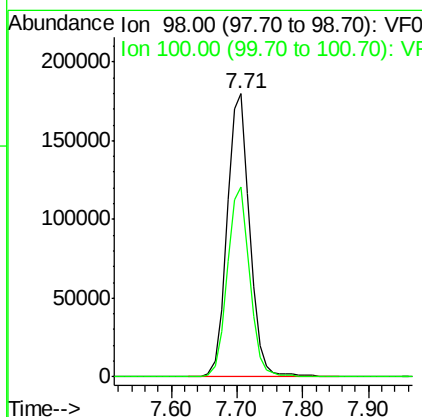
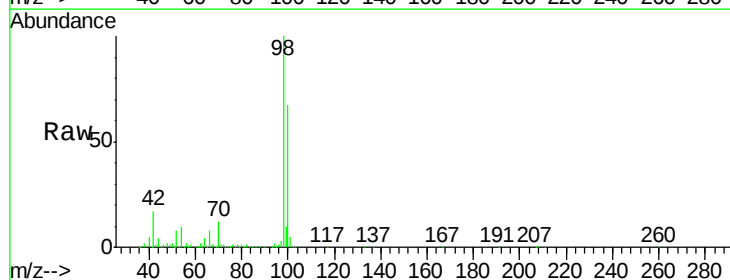
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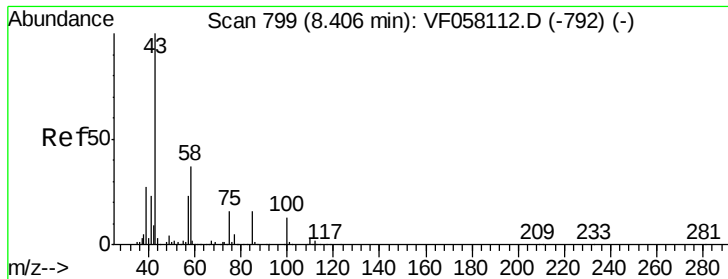
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#50
Toluene-d8
Concen: 50.09 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	98	Resp	432125
Ion	Ratio	Lower	Upper
98	100		
100	67.0	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 277.58 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 638690

Ion Ratio Lower Upper

43 100

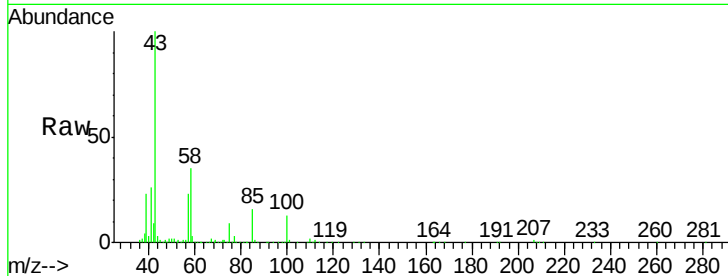
58 34.9 29.4 44.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

300000

250000

200000

150000

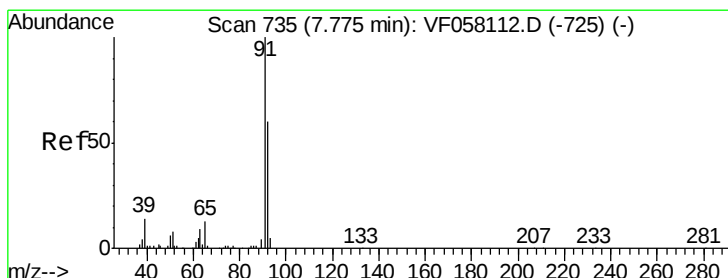
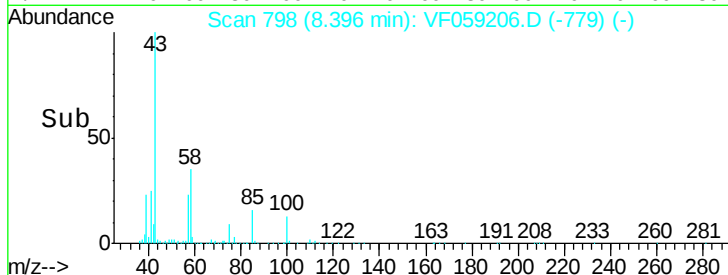
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 51.28 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059206.D

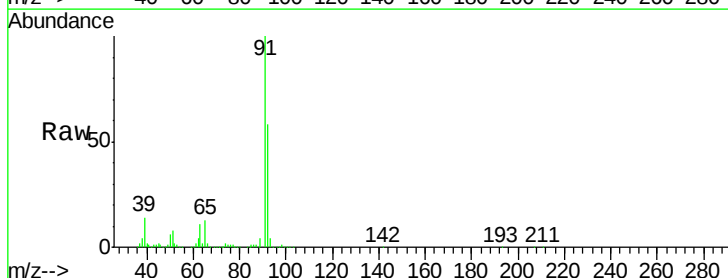
Acq: 20 Jun 2018 00:44

Tgt Ion: 92 Resp: 347787

Ion Ratio Lower Upper

92 100

91 172.0 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

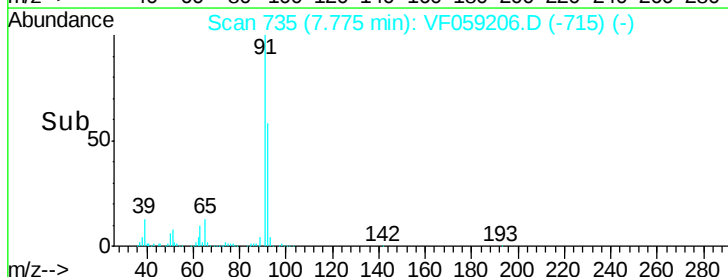
100000

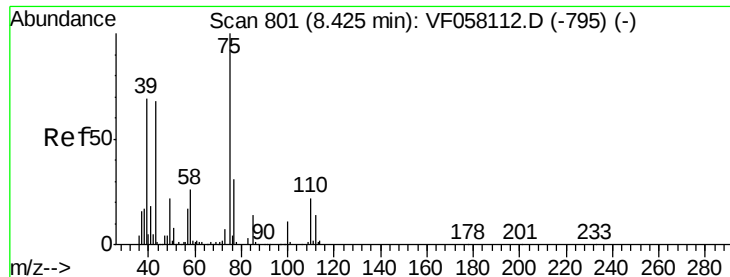
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.47 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tot Ion: 75 Resp: 240658

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

Instrument :

MSVOA_F

ClientSampleId :

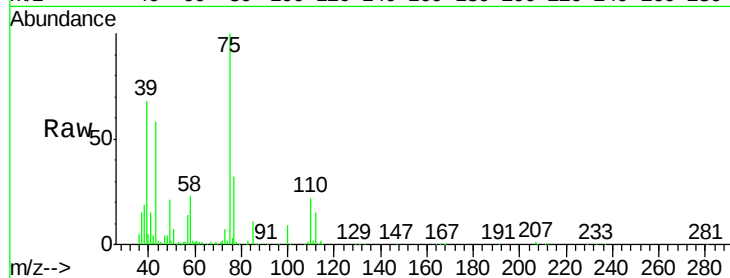
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.43

100000

80000

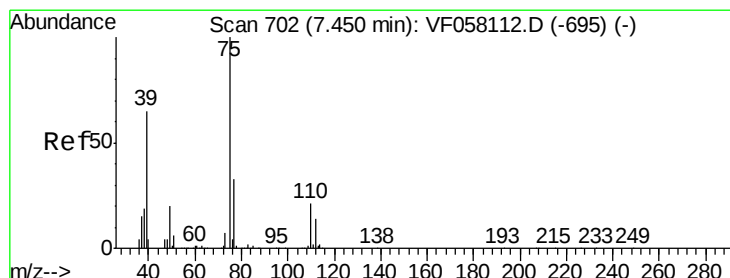
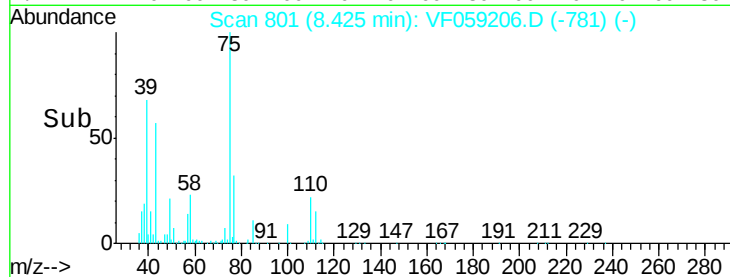
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.46 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

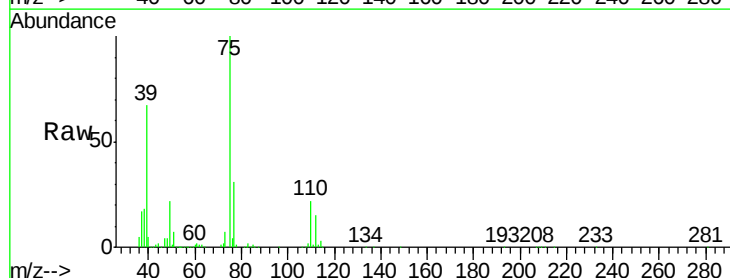
Tgt Ion: 75 Resp: 266040

Ion Ratio Lower Upper

75 100

77 30.6 26.3 39.5

39 67.4 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

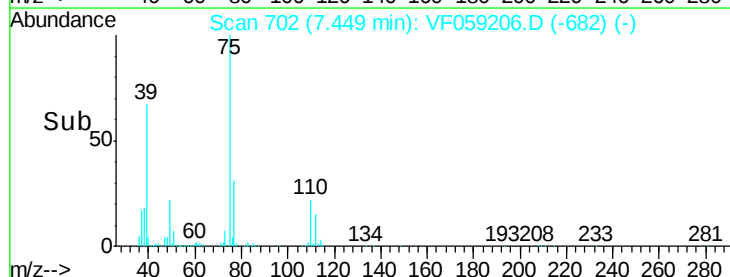
150000

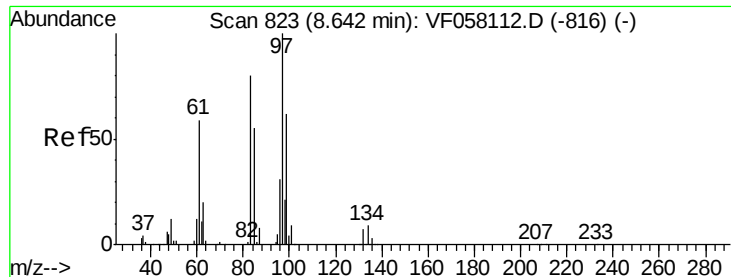
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 57.21 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

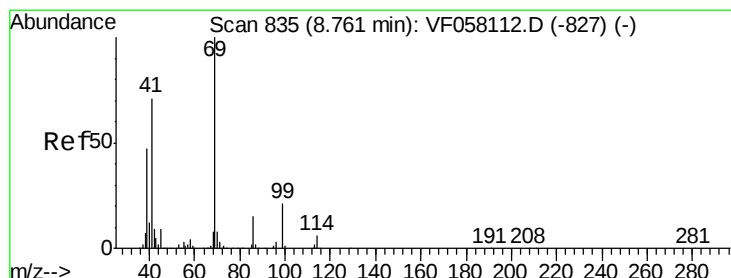
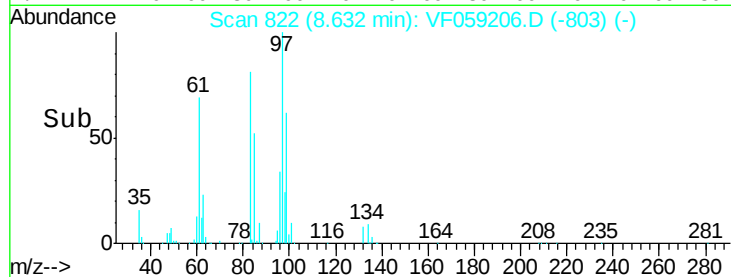
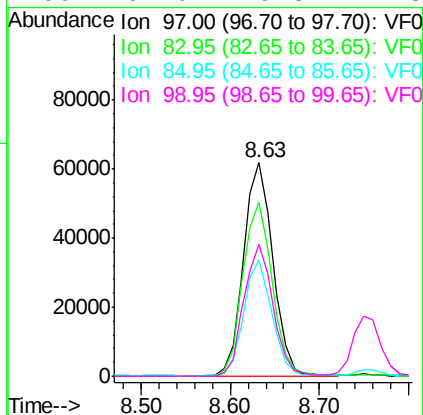
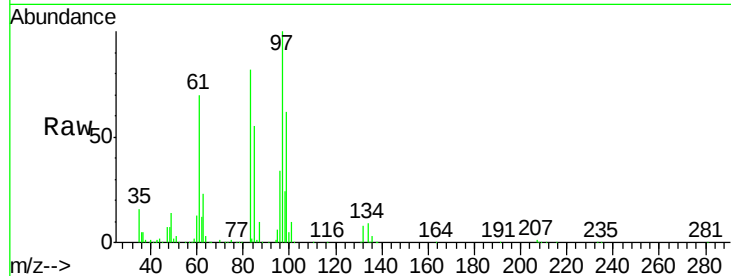
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	140616
Ion	Ratio	Lower	Upper
97	100		
83	81.6	64.3	96.5
85	54.7	43.8	65.8
99	62.0	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.00 ug/l

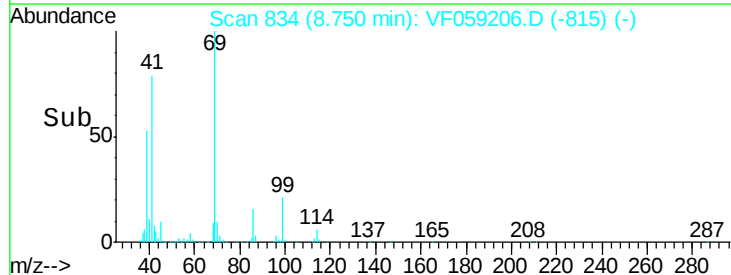
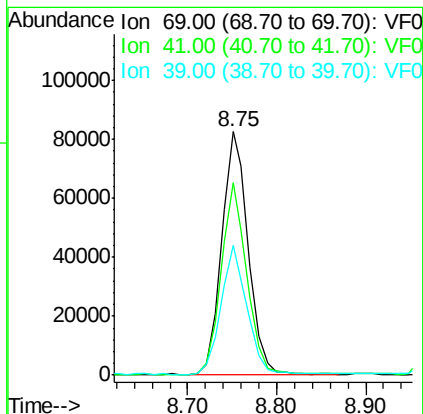
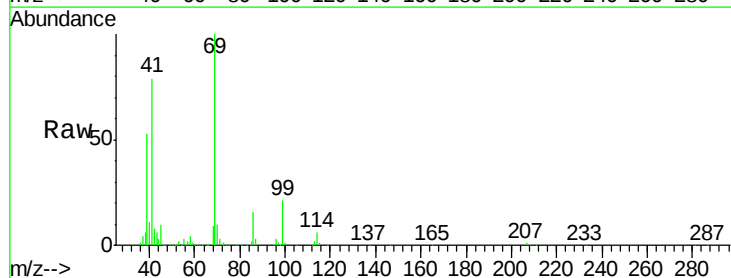
RT: 8.75 min Scan# 834

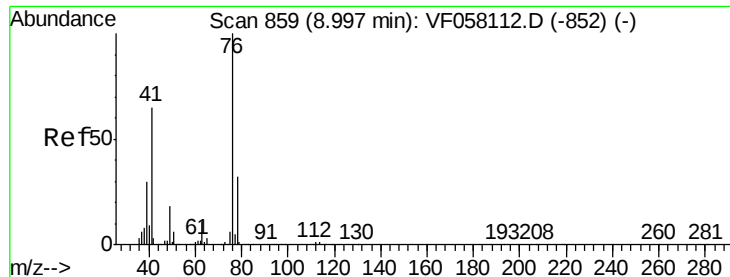
Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tgt Ion:	69	Resp:	173479
Ion	Ratio	Lower	Upper
69	100		
41	79.1	56.9	85.3
39	53.5	38.0	57.0





#57

1,3-Dichloropropane

Concen: 54.17 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 227729

Ion Ratio Lower Upper

76 100

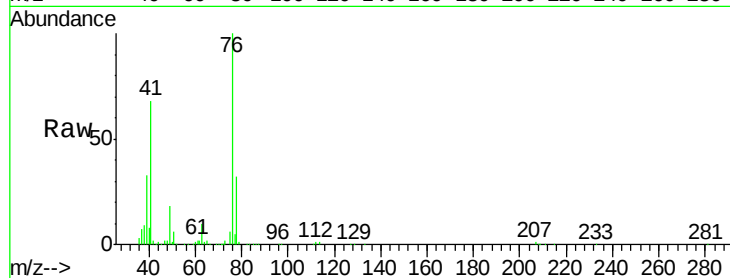
78 32.5 25.8 38.6

Manual Integrations

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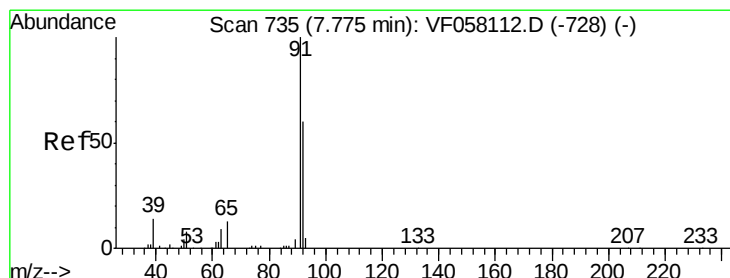
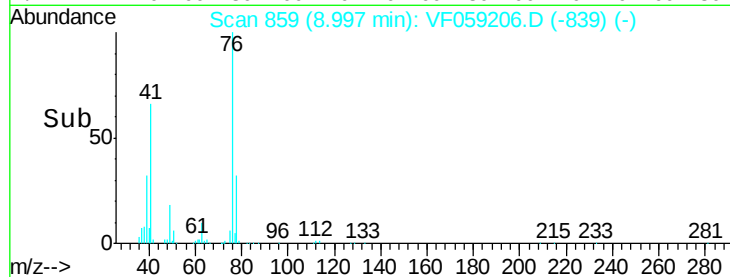
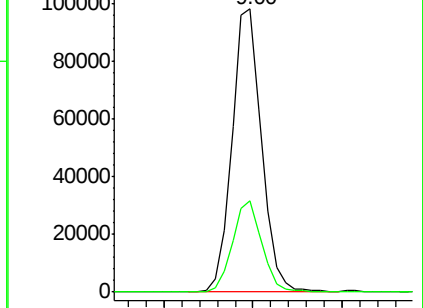
apatel

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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: 270.02 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059206.D

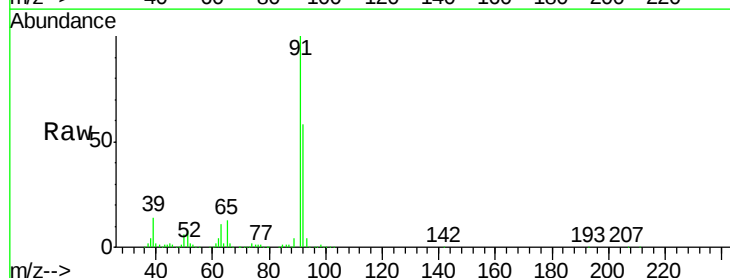
Acq: 20 Jun 2018 00:44

Tgt Ion: 63 Resp: 59815

Ion Ratio Lower Upper

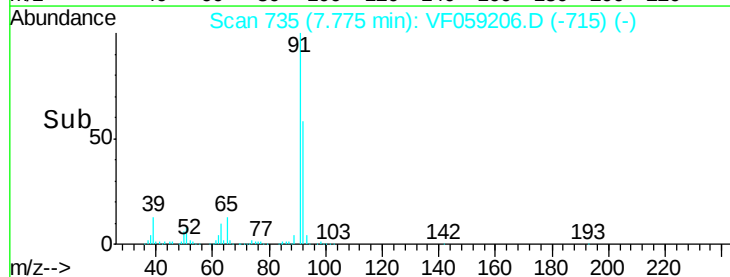
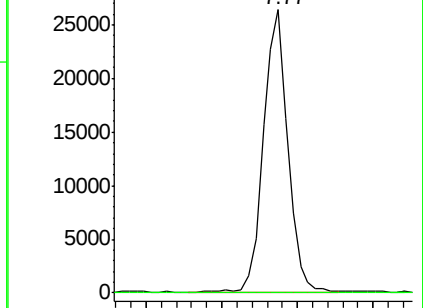
63 100

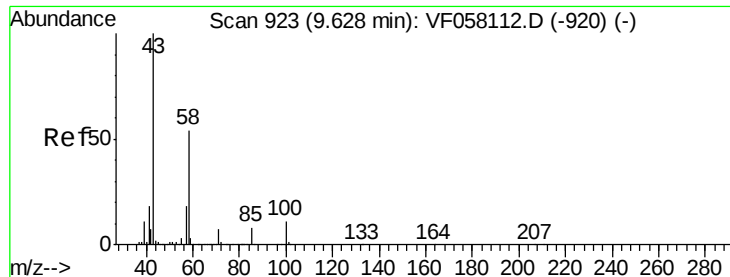
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





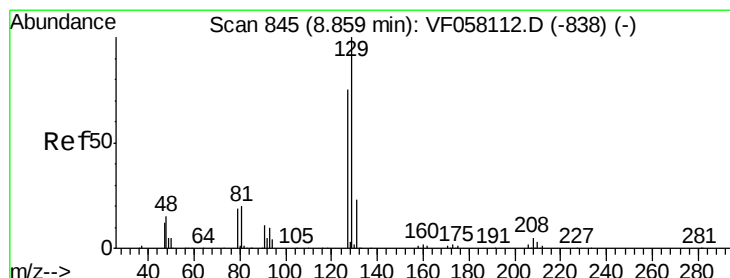
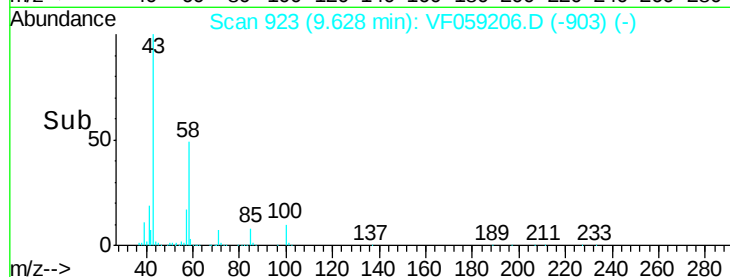
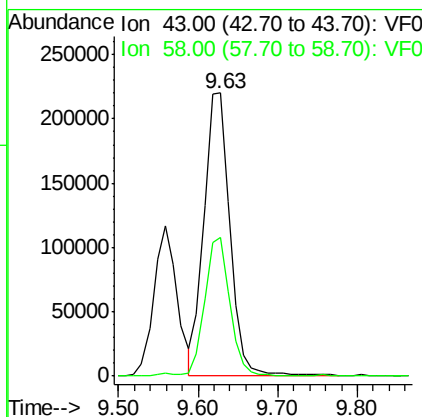
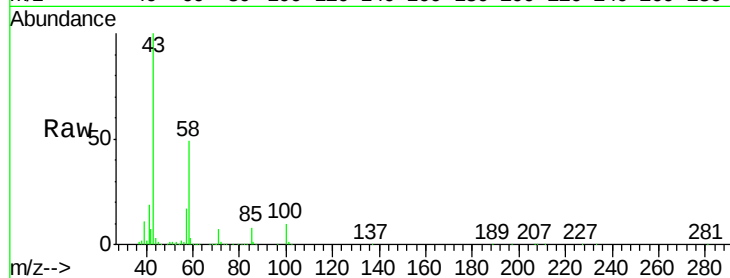
#59
2-Hexanone
Concen: 274.18 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	26.3	78.8

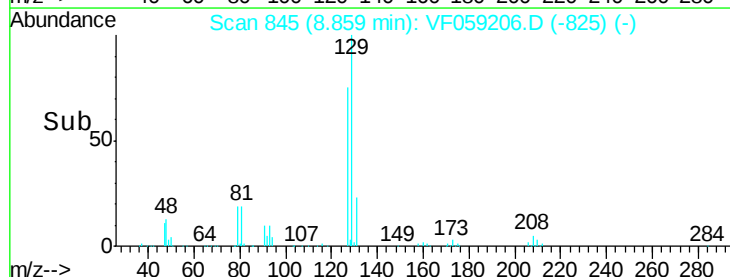
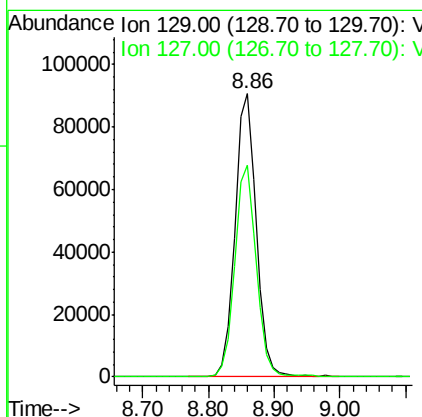
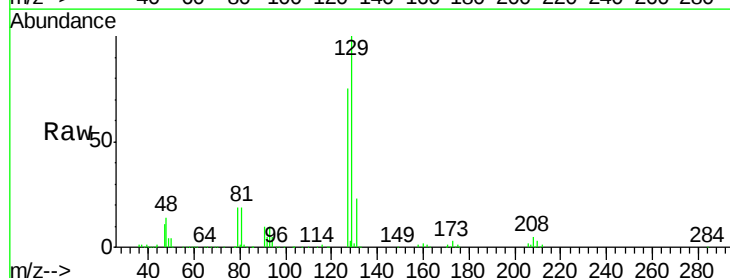
Manual Integrations
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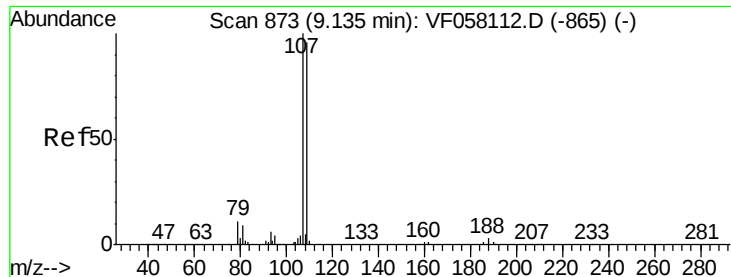
apatel
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#60
Dibromochloromethane
Concen: 58.28 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.0	37.6	112.9





#61

1,2-Dibromoethane

Concen: 58.18 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 166151

Ion Ratio Lower Upper

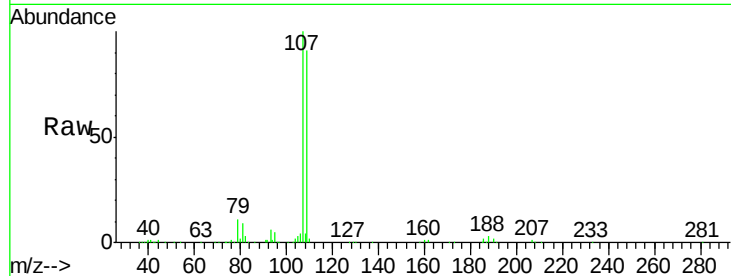
107 100

109 91.3 76.6 115.0

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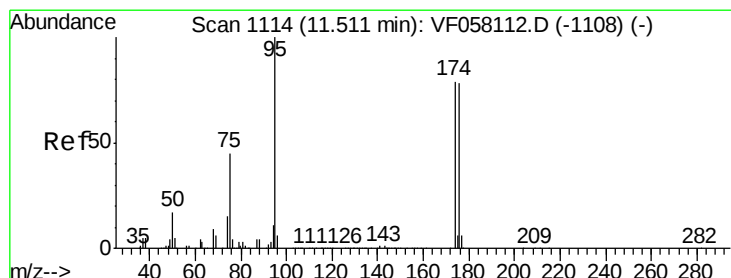
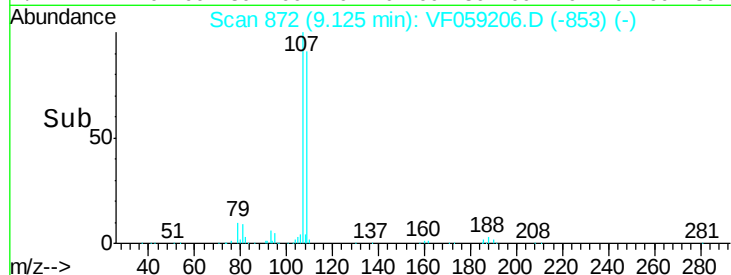
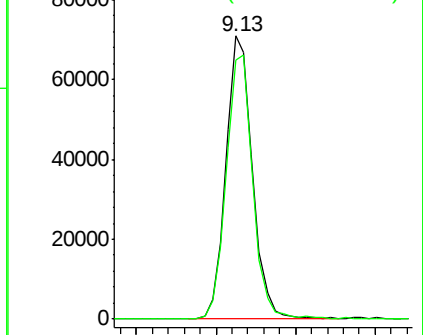
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.95 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

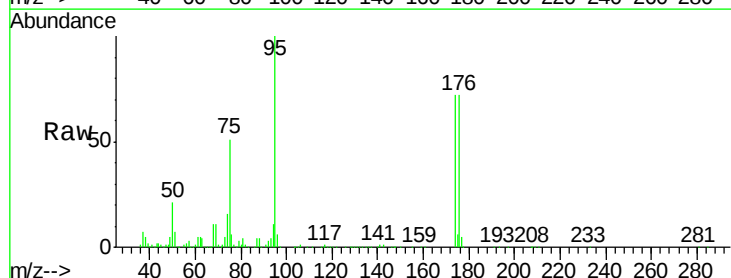
Tgt Ion: 95 Resp: 225443

Ion Ratio Lower Upper

95 100

174 71.9 0.0 157.8

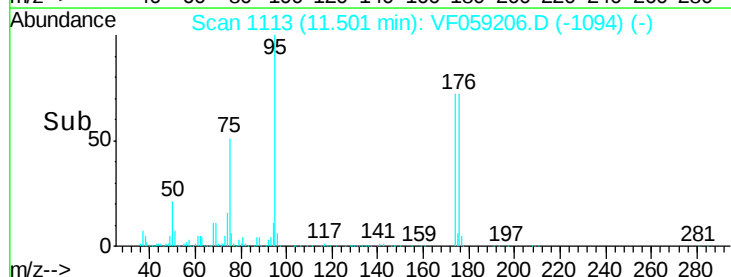
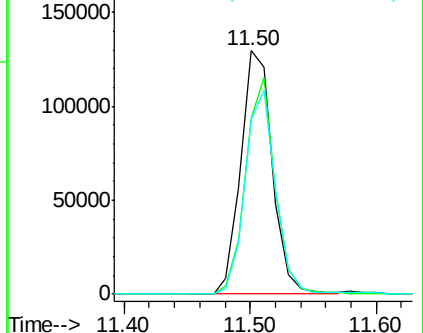
176 71.5 0.0 155.8

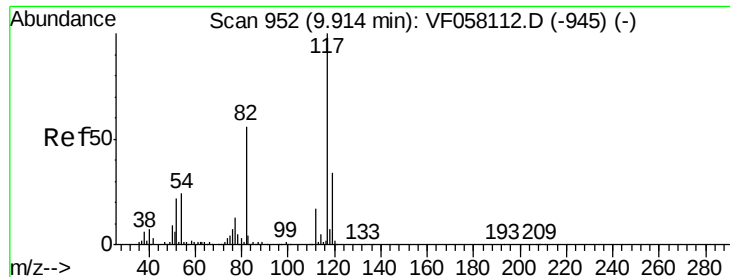


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





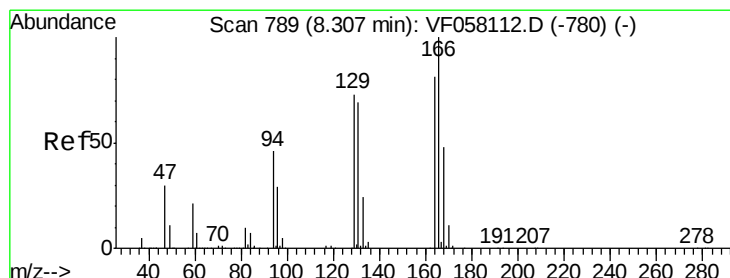
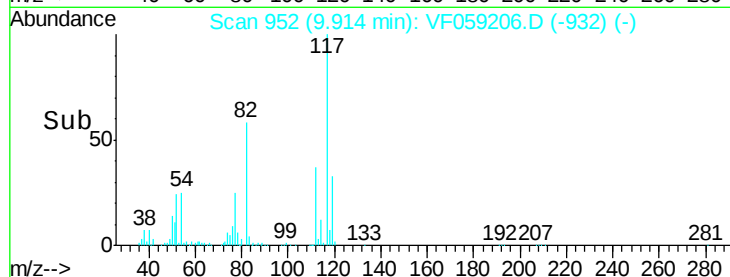
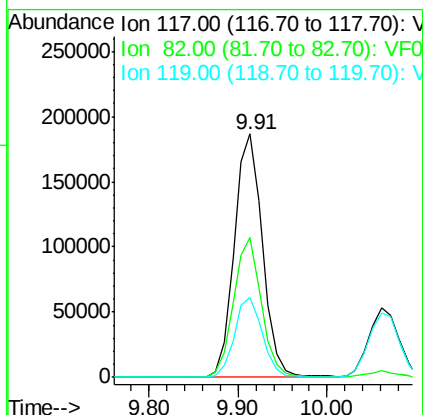
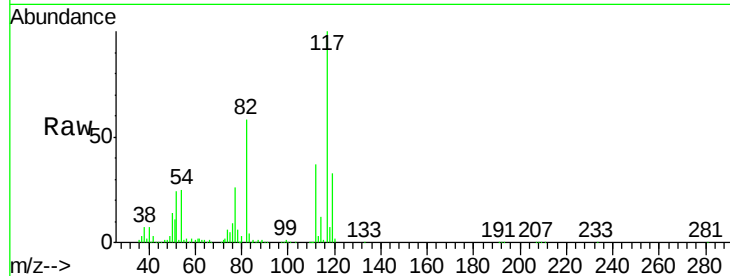
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.2	67.8
119	32.6	27.5	41.3

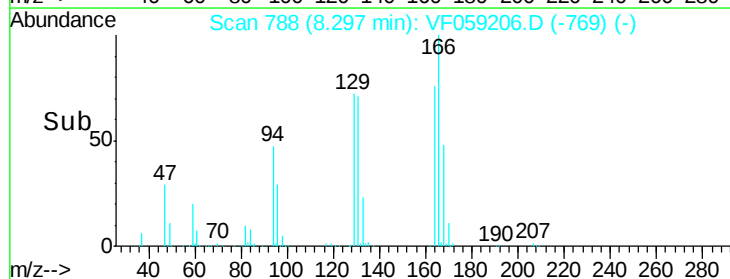
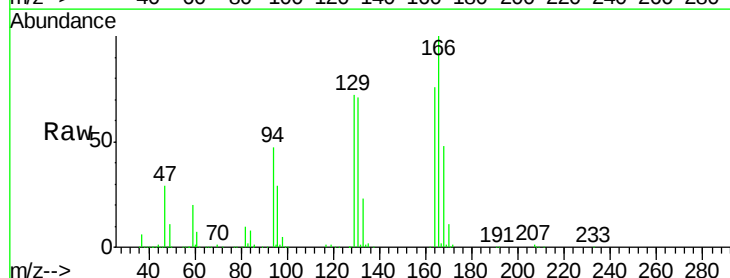
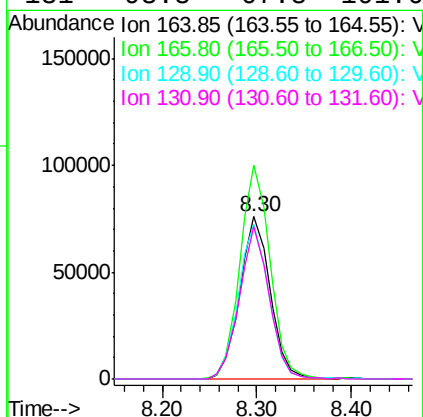
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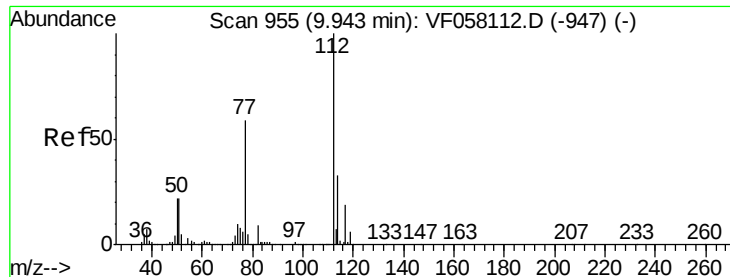
apatel
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#64
Tetrachloroethene
Concen: 56.32 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	98.2	147.4
129	95.3	71.6	107.4
131	93.8	67.8	101.6





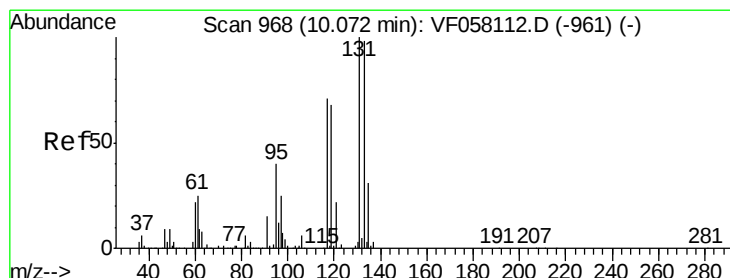
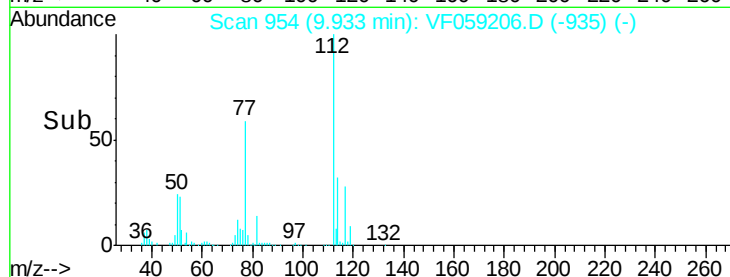
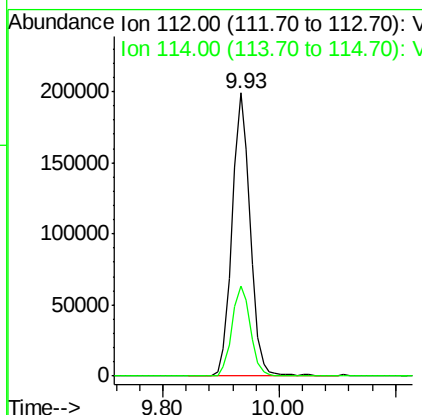
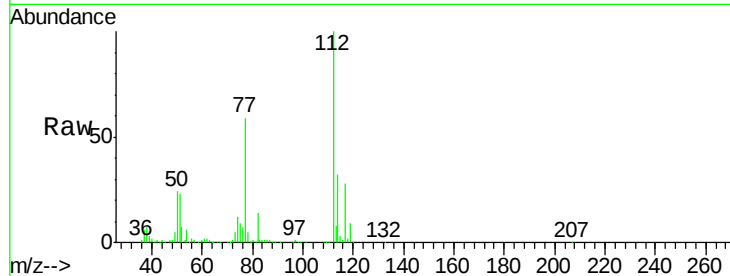
#65
Chlorobenzene
Concen: 52.60 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.4

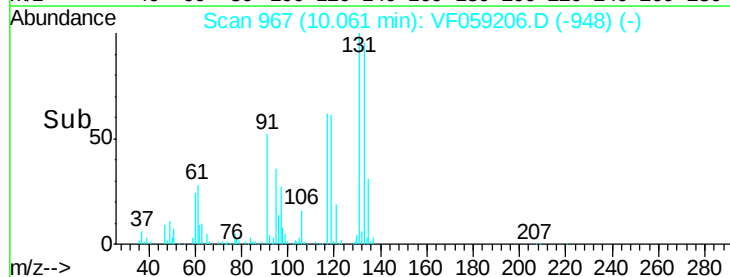
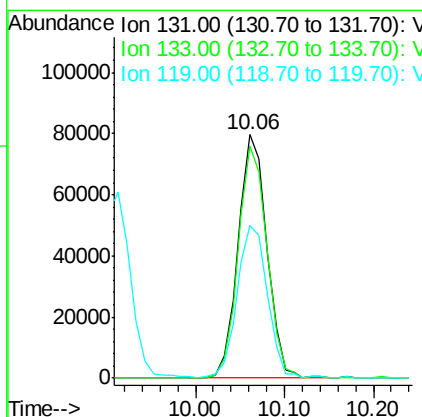
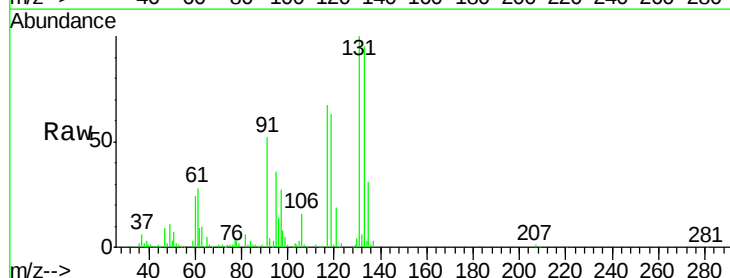
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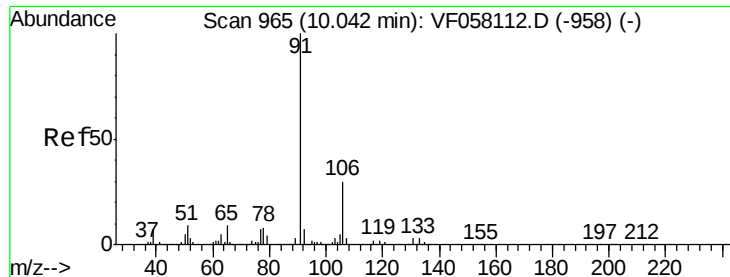
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.06 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	49.1	147.4
119	62.6	34.3	102.8





#67

Ethyl Benzene

Concen: 51.74 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 734169

Ion Ratio Lower Upper

91 100

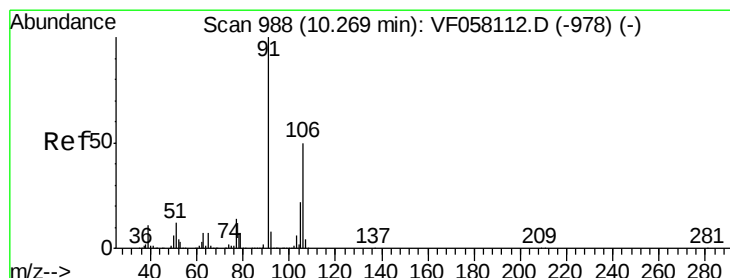
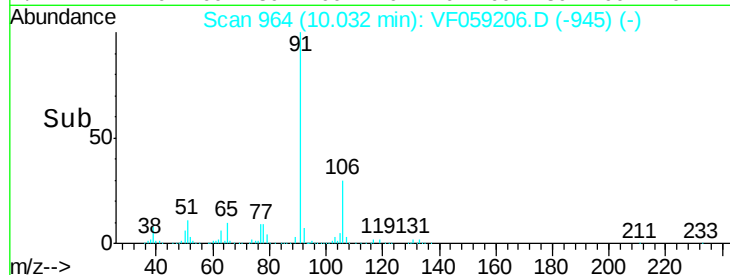
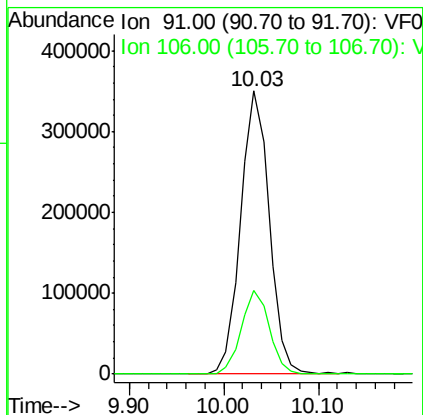
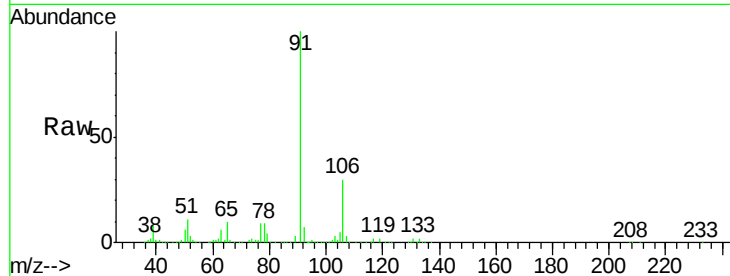
106 29.8 24.2 36.4

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#68

m/p-Xylenes

Concen: 101.95 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059206.D

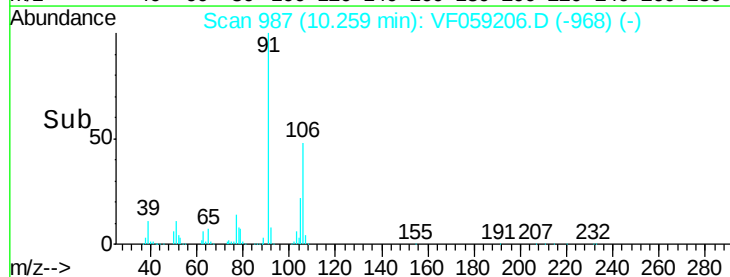
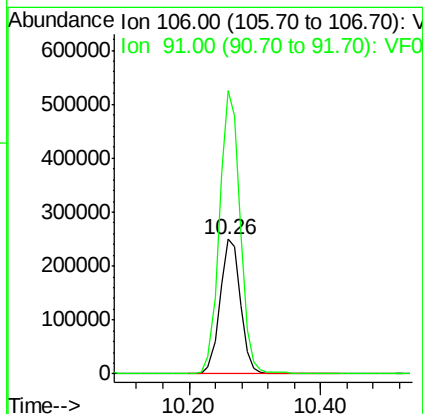
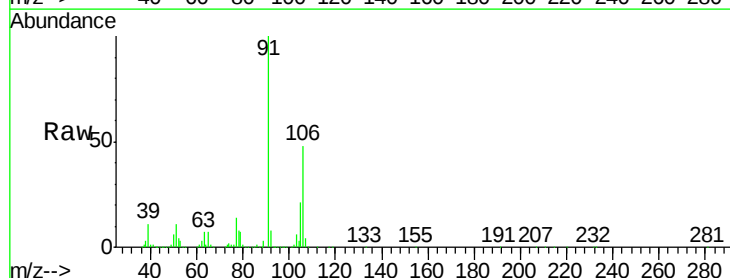
Acq: 20 Jun 2018 00:44

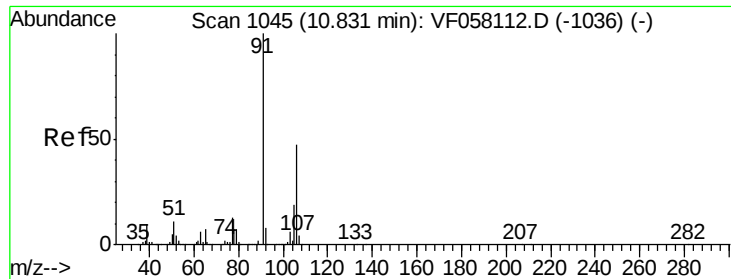
Tgt Ion: 106 Resp: 541637

Ion Ratio Lower Upper

106 100

91 210.4 160.7 241.1





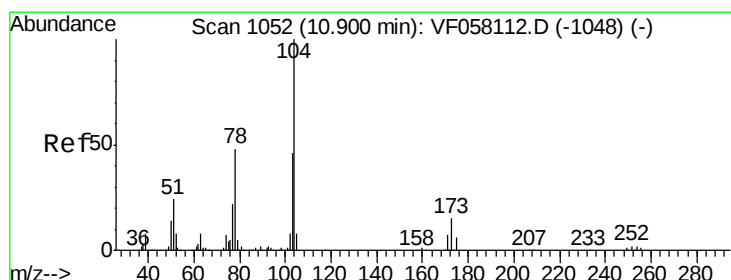
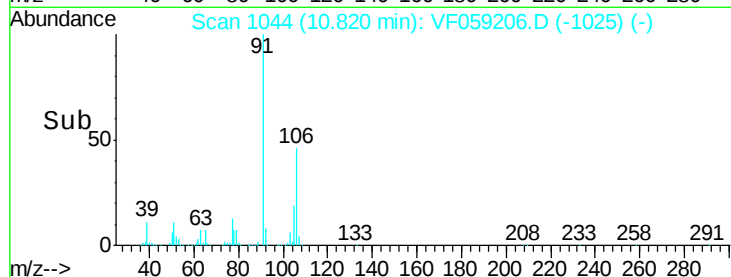
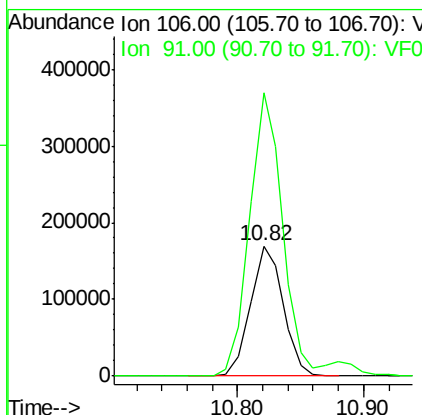
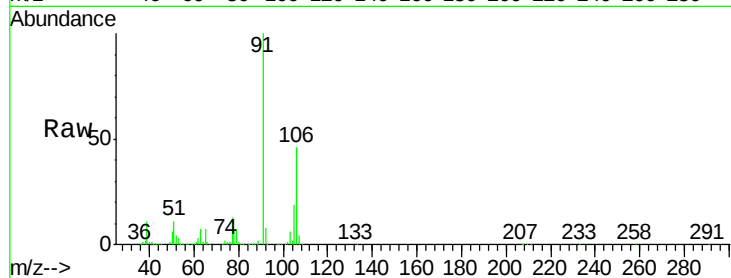
#69
o-Xylene
Concen: 53.57 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 307587
Ion Ratio Lower Upper
106 100
91 217.5 107.0 321.0

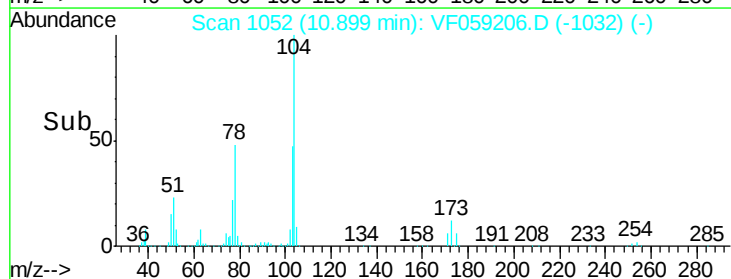
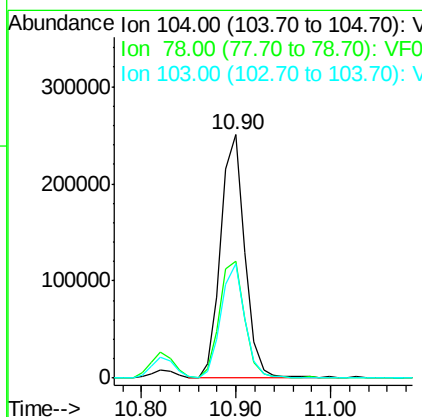
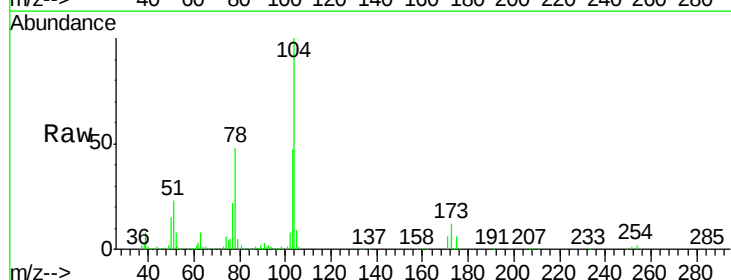
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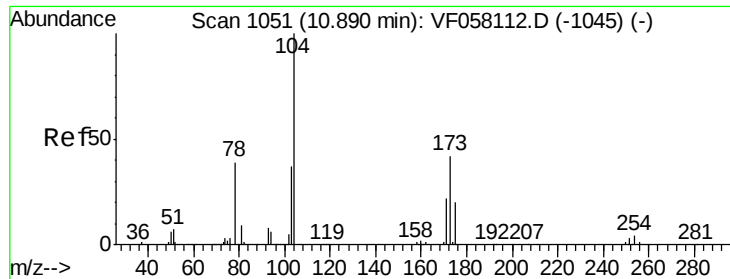
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#70
Styrene
Concen: 50.78 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion:104 Resp: 441180
Ion Ratio Lower Upper
104 100
78 48.2 38.4 57.6
103 47.0 37.0 55.6





#71

Bromoform

Concen: 59.22 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

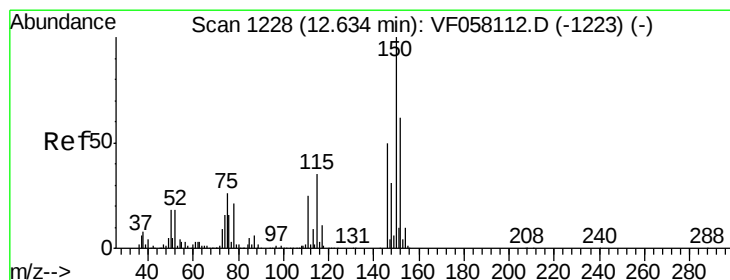
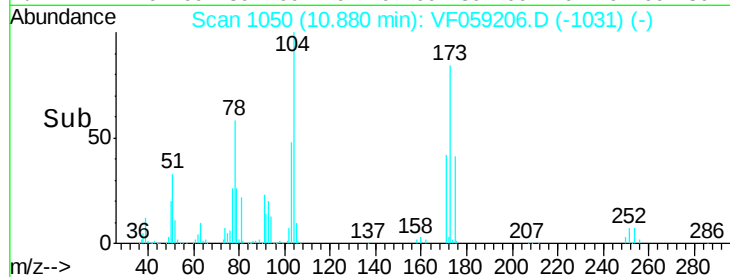
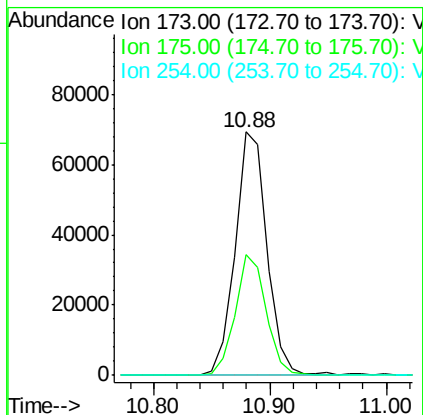
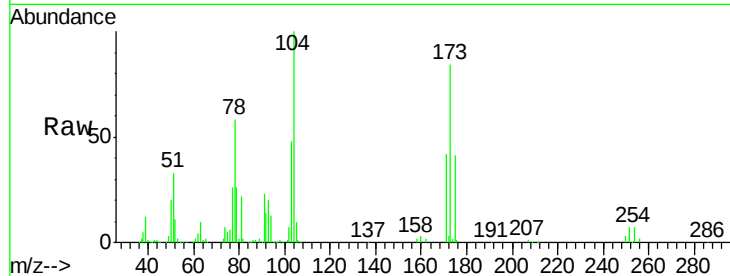
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.6	74.0
254	0.0	7.8	11.8#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

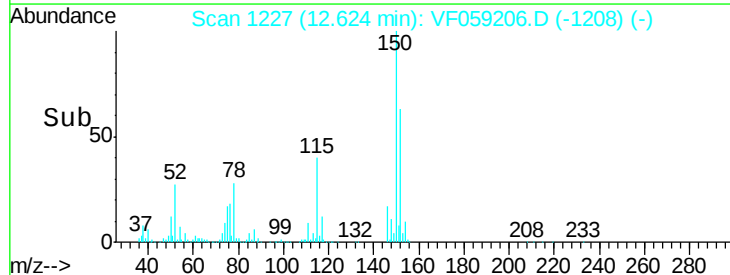
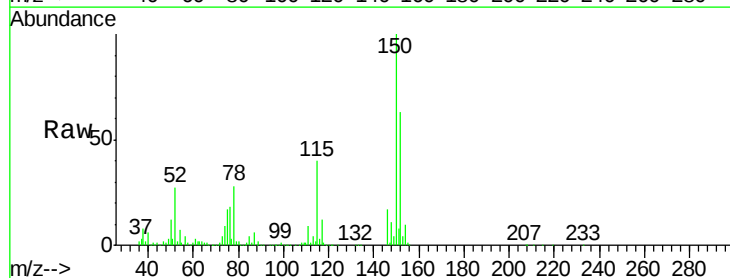
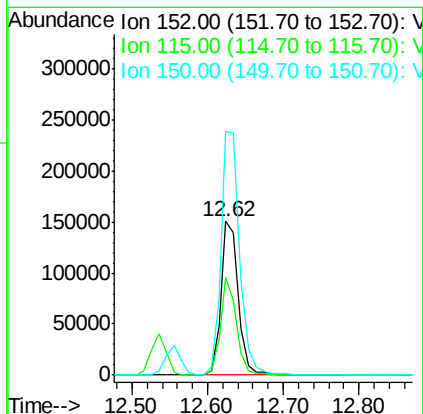
RT: 12.62 min Scan# 1227

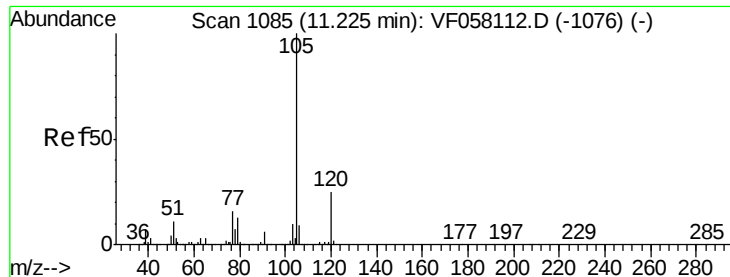
Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	28.5	85.5
150	158.7	0.0	323.8





#73

Isopropylbenzene

Concen: 51.07 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 848162

Ion Ratio Lower Upper

105 100

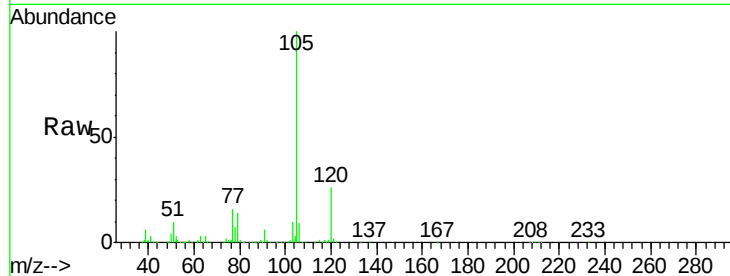
120 26.3 12.7 38.1

Manual Integrations

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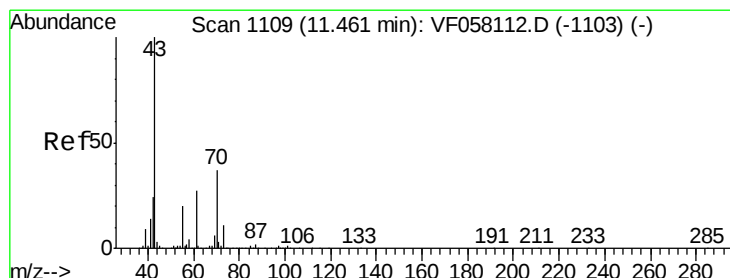
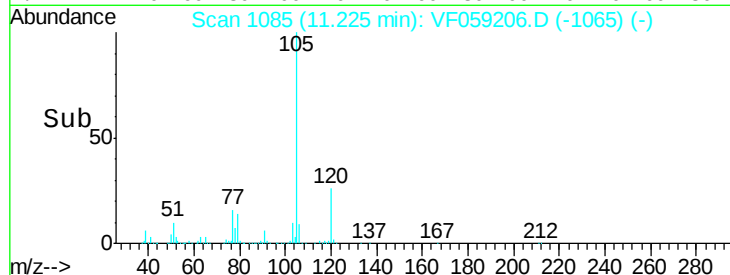
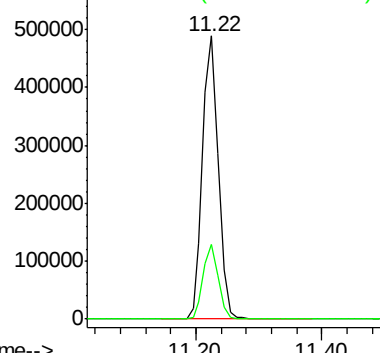
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.49 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tgt Ion: 43 Resp: 311417

Ion Ratio Lower Upper

43 100

70 36.1 29.2 43.8

55 21.1 15.8 23.6

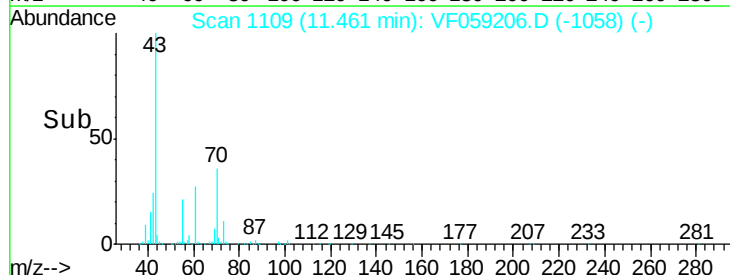
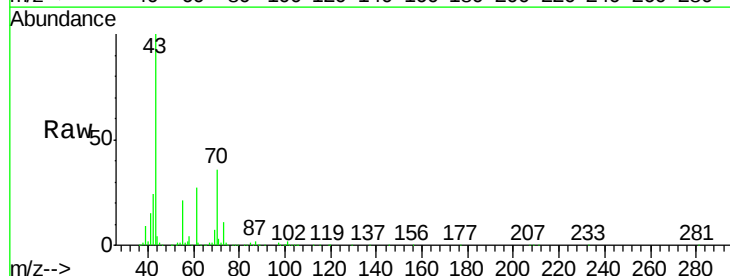
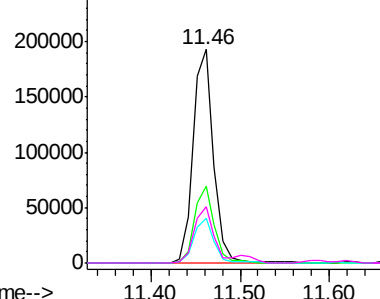
61 26.6 21.3 31.9

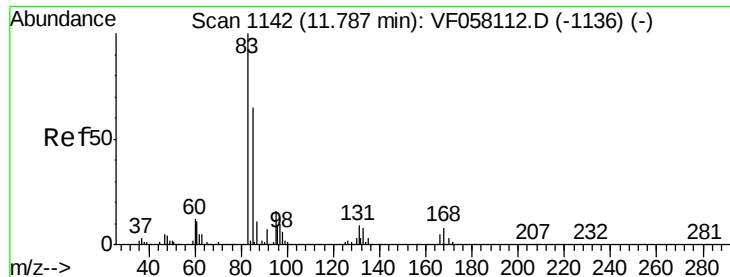
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 51.58 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

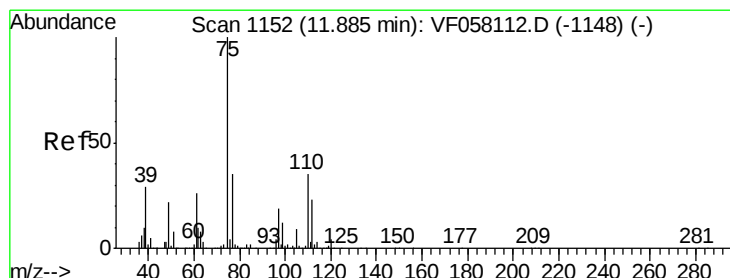
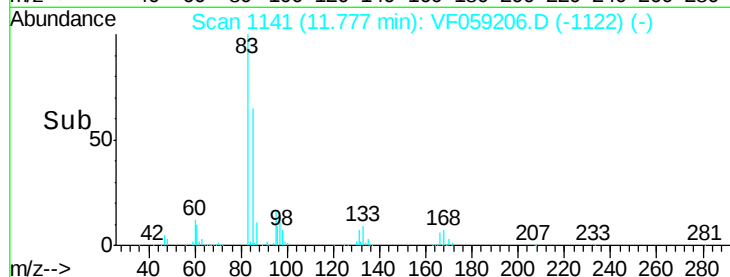
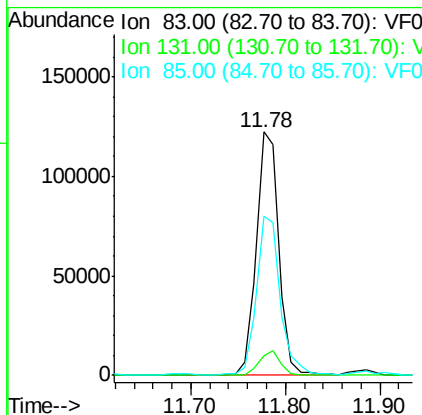
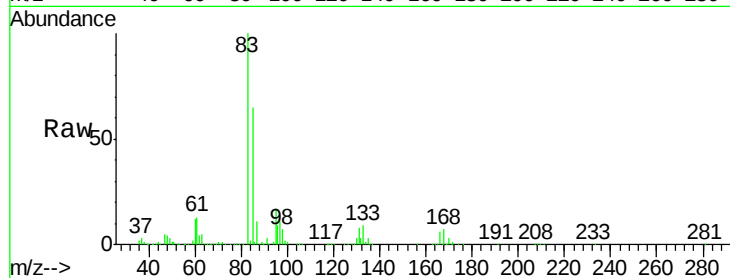
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	203123
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.5	13.7
85	65.1	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 53.10 ug/l

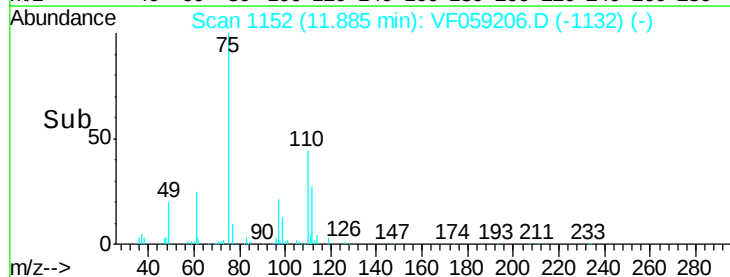
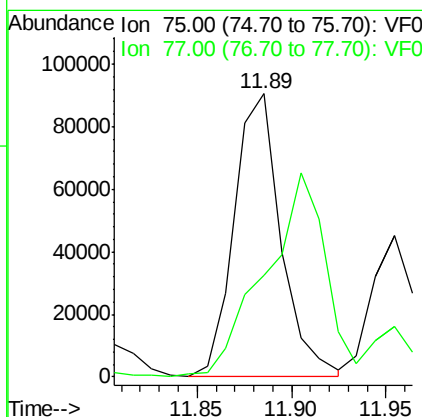
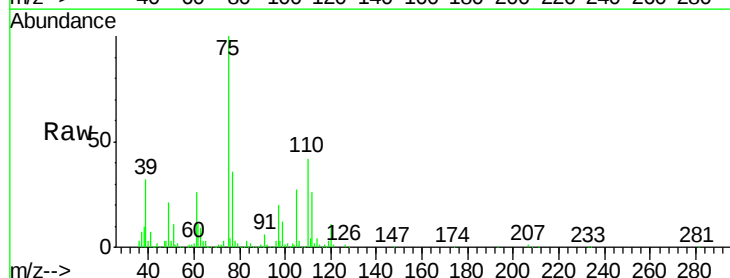
RT: 11.89 min Scan# 1152

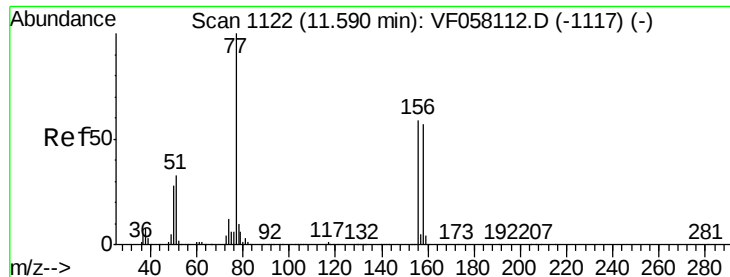
Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tgt Ion:	75	Resp:	154417
Ion Ratio	Lower	Upper	
75	100		
77	35.9	17.5	52.5





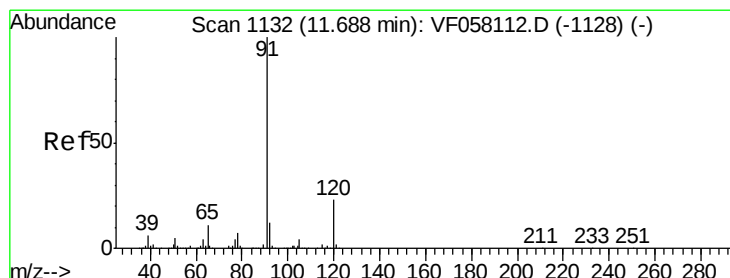
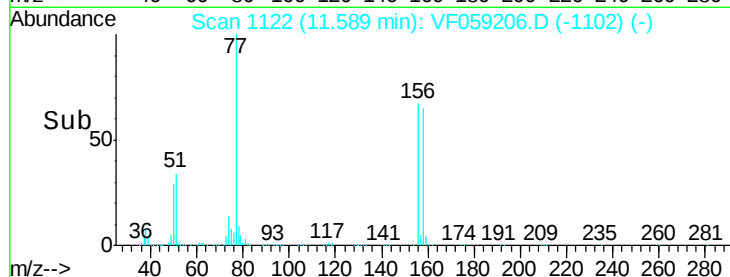
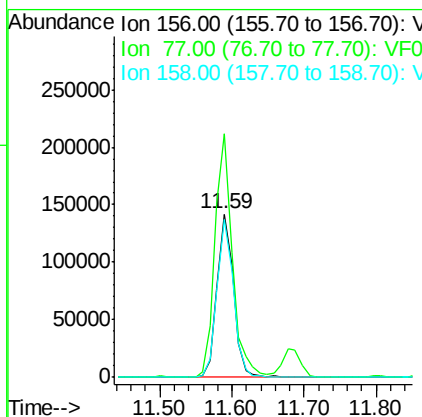
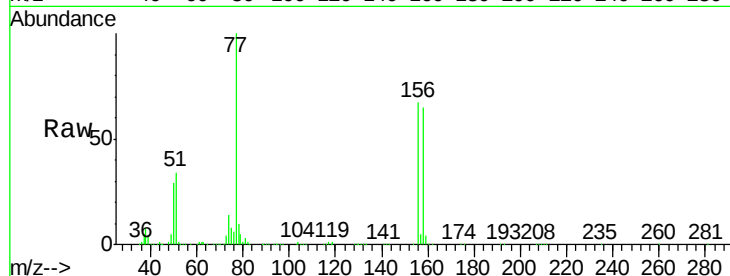
#77
Bromobenzene
Concen: 53.14 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	149.3	84.8	254.4		
158	97.0	47.9	143.7		

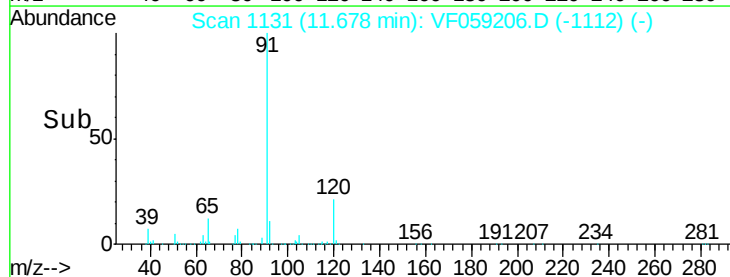
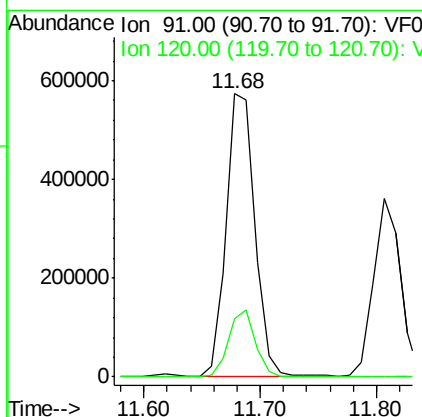
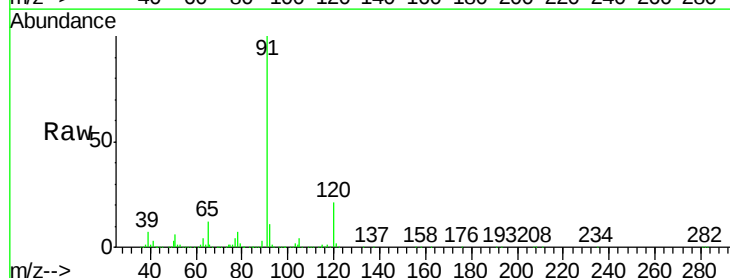
Manual Integrations
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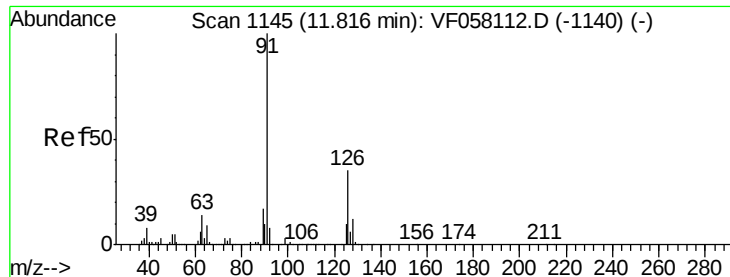
apatel
6/20/2018 11:18:56 AM



#78
n-propylbenzene
Concen: 49.50 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	20.7	11.5	34.5		





#79

2-Chlorotoluene

Concen: 49.39 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 573600

Ion Ratio Lower Upper

91 100

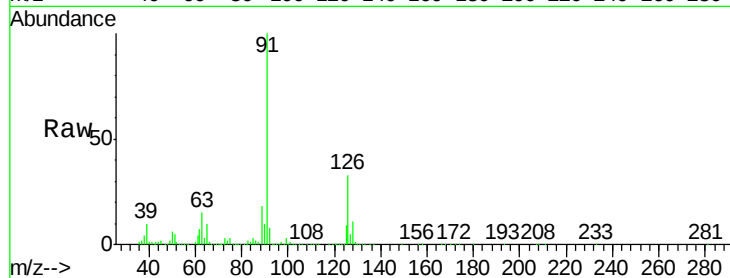
126 33.2 17.6 52.9

Manual Integrations

APPROVED

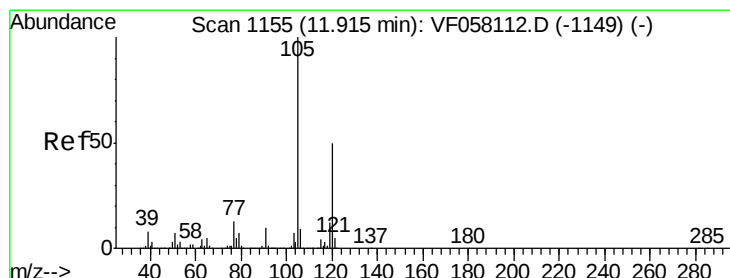
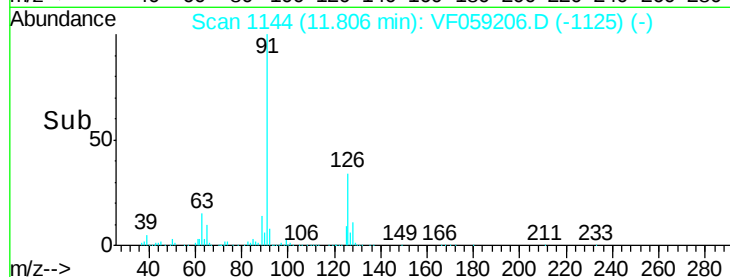
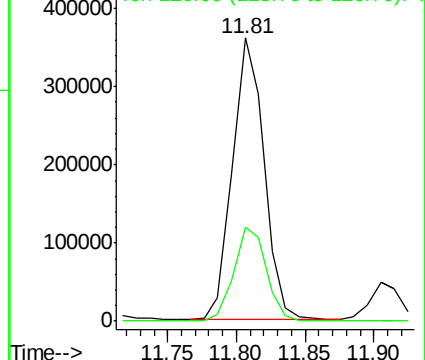
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 51.97 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059206.D

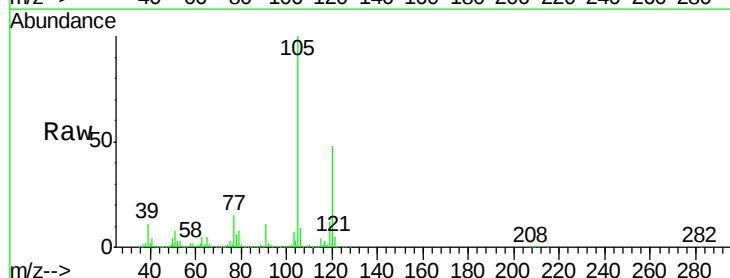
Acq: 20 Jun 2018 00:44

Tgt Ion:105 Resp: 714421

Ion Ratio Lower Upper

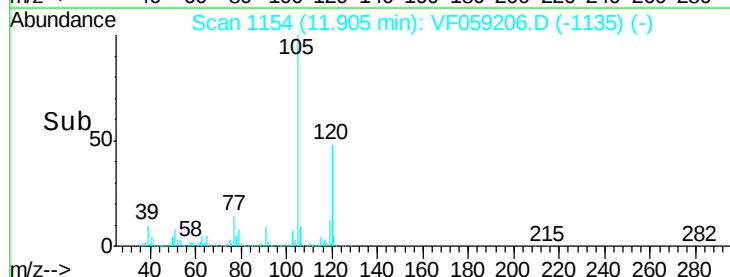
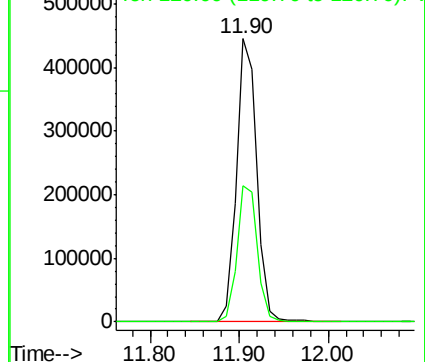
105 100

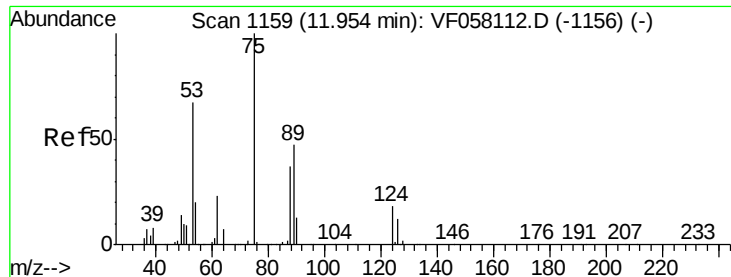
120 48.3 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





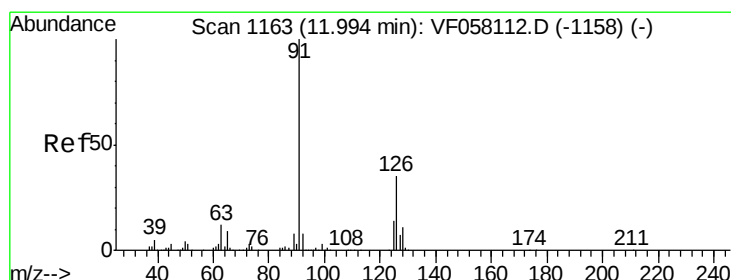
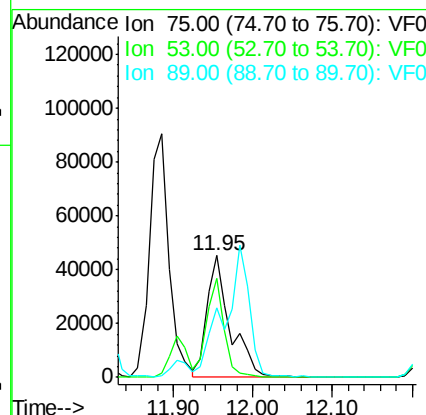
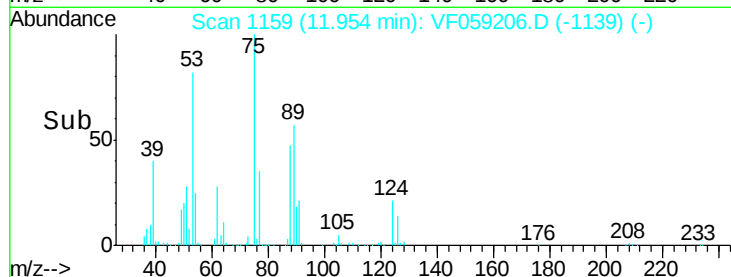
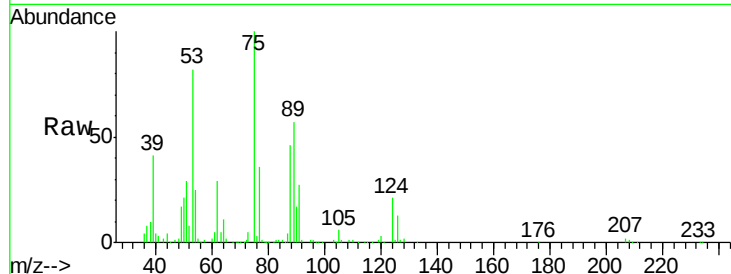
#81
trans-1,4-Dichloro-2-butene
Concen: 48.31 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.9	58.7	88.1
89	57.0	39.8	59.6

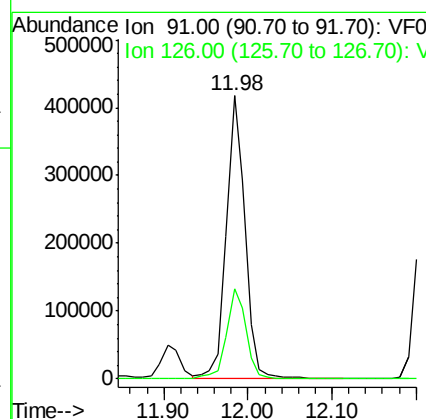
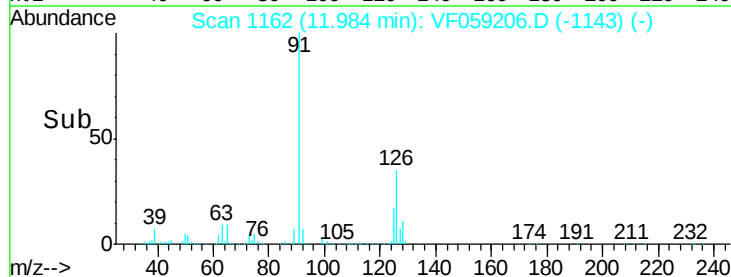
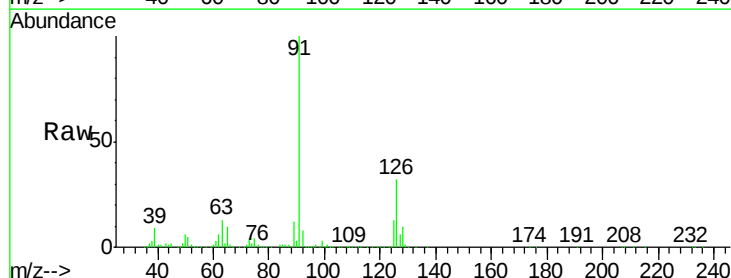
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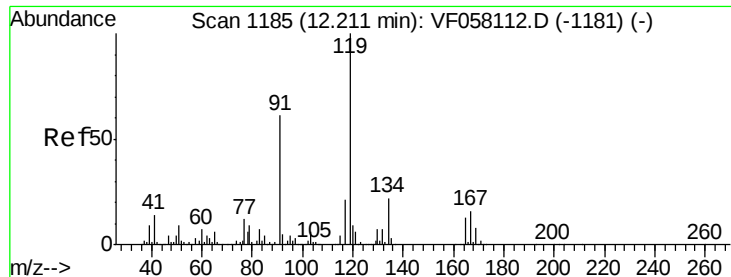
apatel
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#82
4-Chlorotoluene
Concen: 51.58 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	17.4	52.2





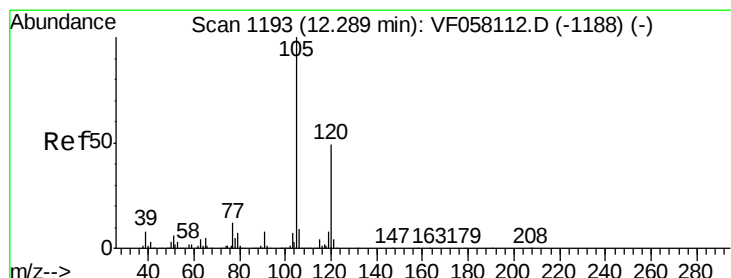
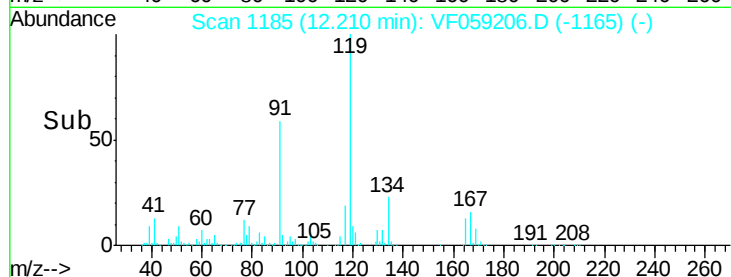
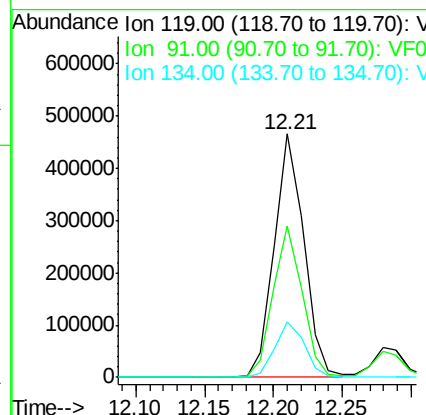
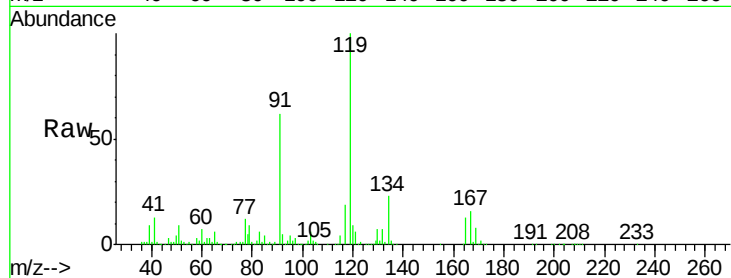
#83
 tert-Butylbenzene
 Concen: 51.14 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.4	91.3
134	22.8	11.2	33.5

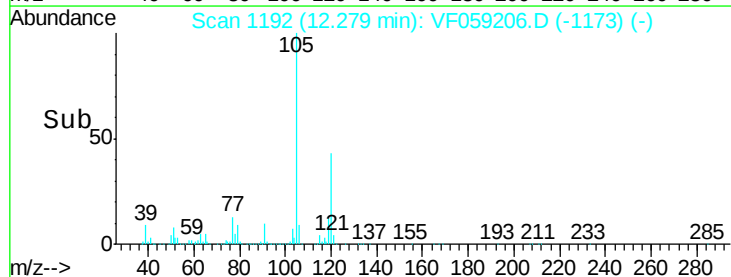
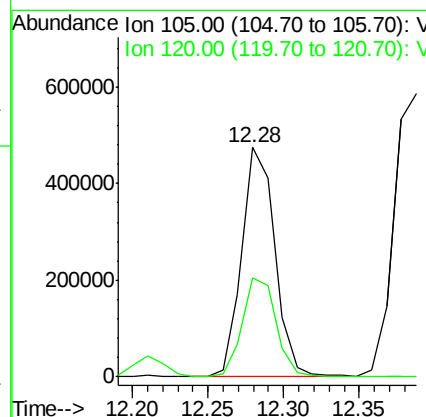
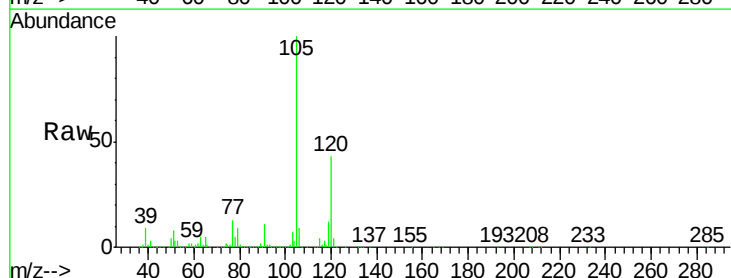
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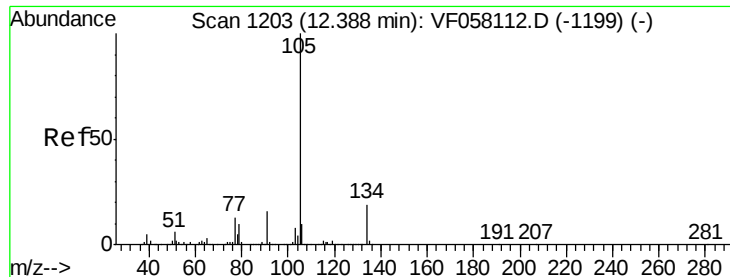
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.85 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	24.7	74.1





#85

sec-Butylbenzene

Concen: 49.82 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 923997

Ion Ratio Lower Upper

105 100

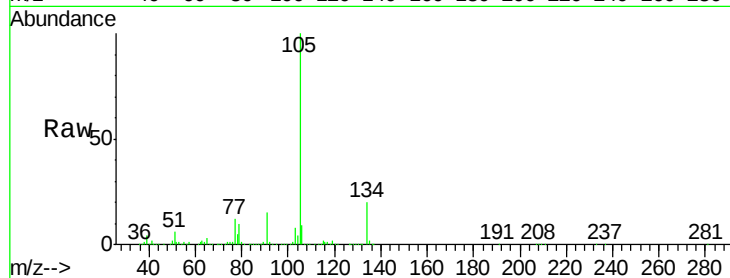
134 20.0 9.6 28.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

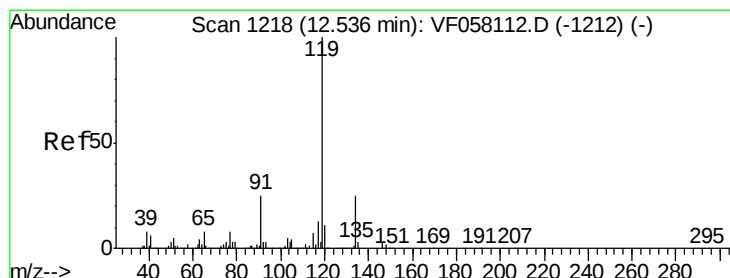
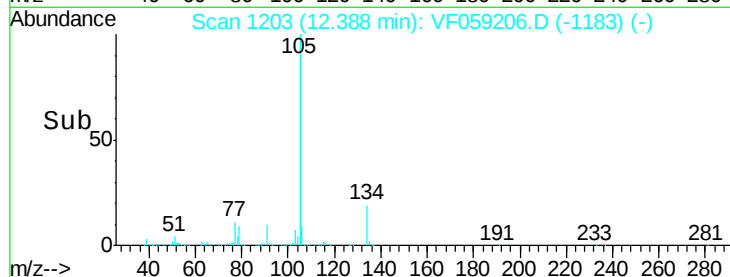
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.66 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

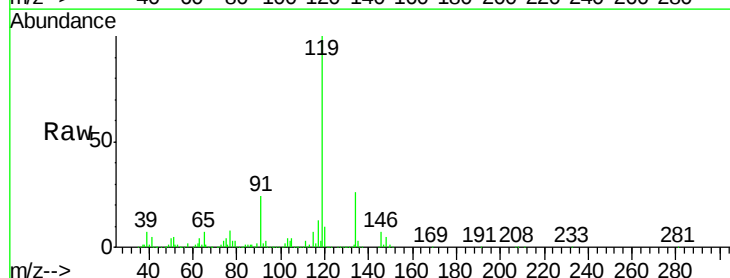
Tgt Ion:119 Resp: 817453

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.0

91 23.9 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

800000

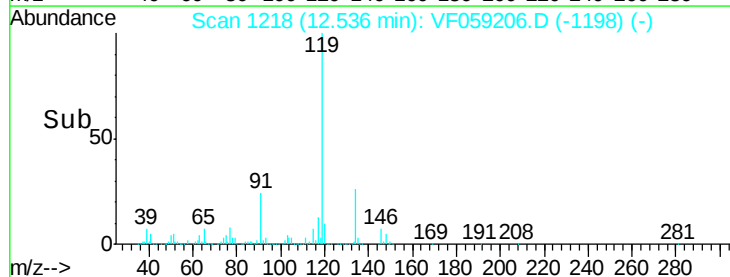
600000

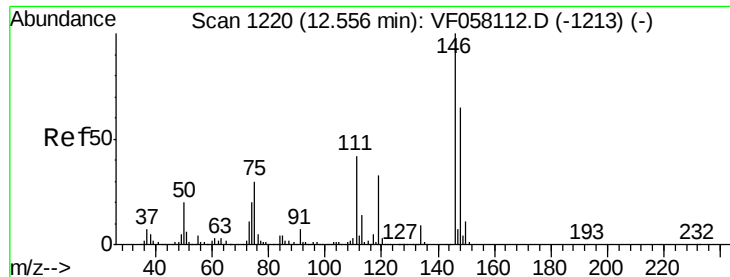
400000

200000

0

Time-->





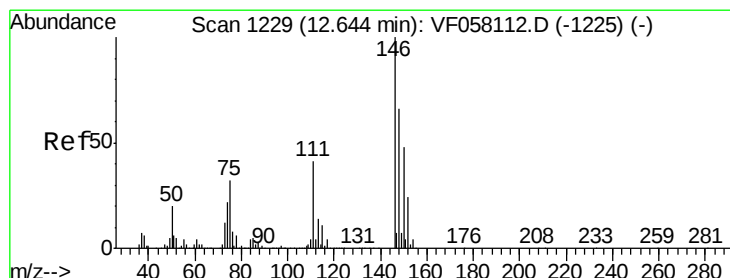
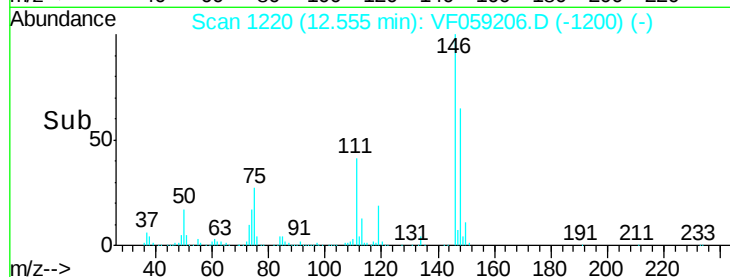
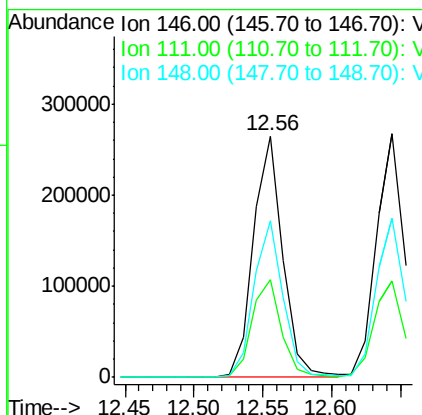
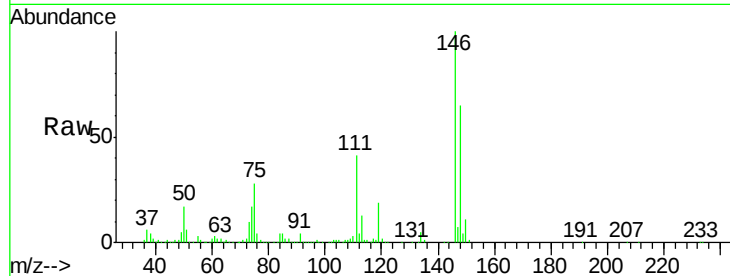
#87
 1,3-Dichlorobenzene
 Concen: 51.14 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.5
148	65.0	32.3	96.9

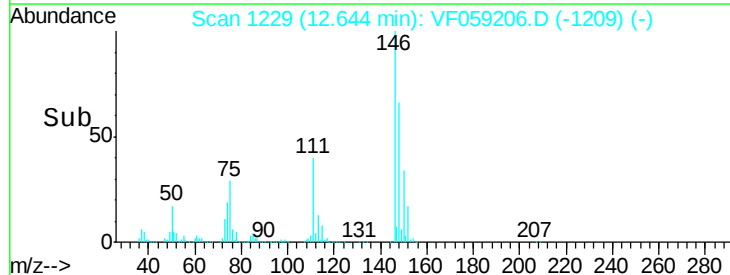
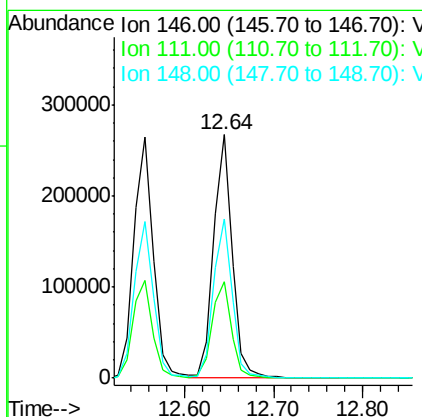
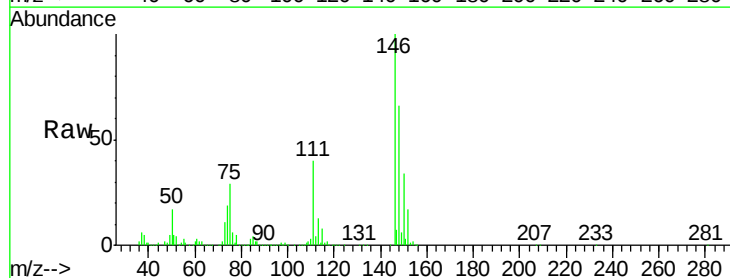
Manual Integrations
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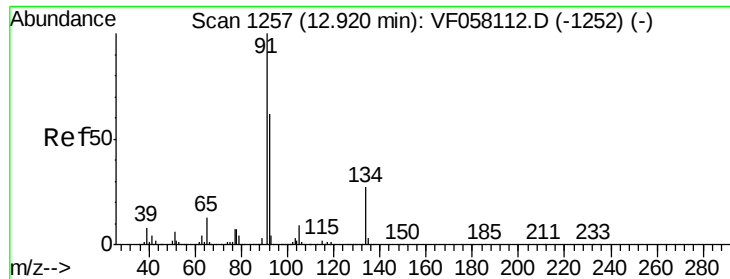
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 52.45 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.4	61.2
148	65.6	33.0	99.0





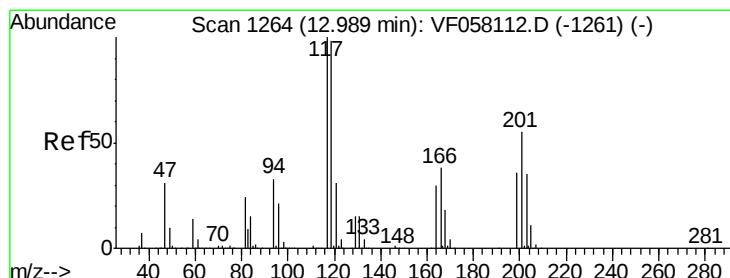
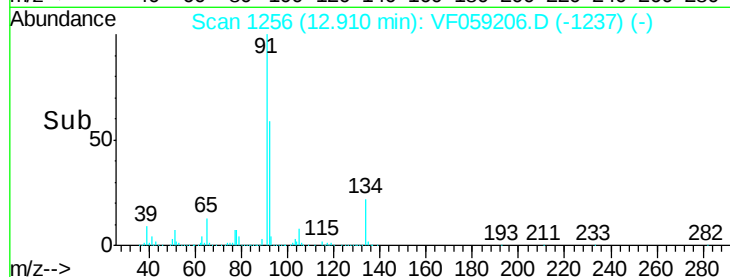
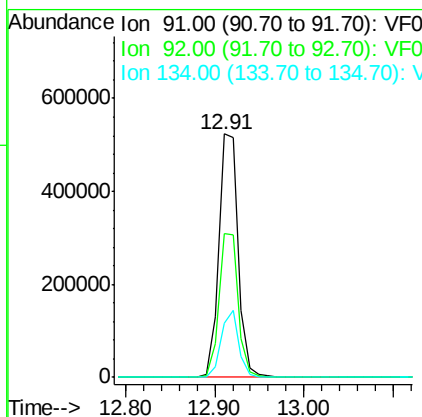
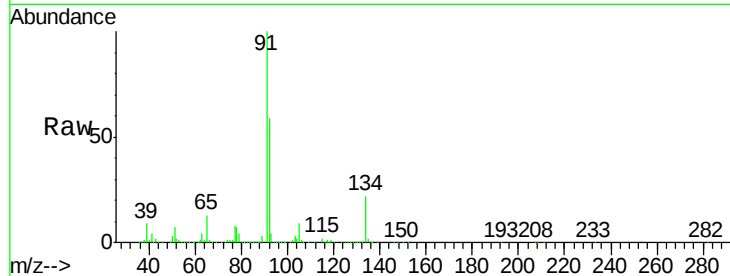
#89
n-Butylbenzene
Concen: 50.85 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.2	31.1	93.5
134	22.3	13.6	40.8

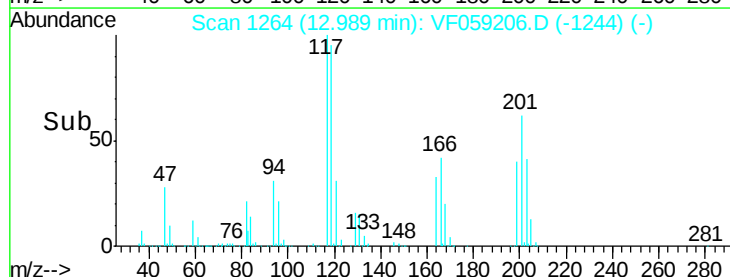
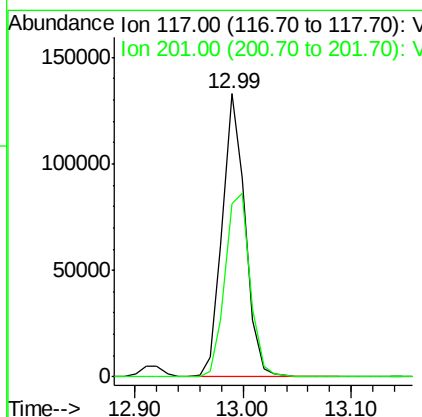
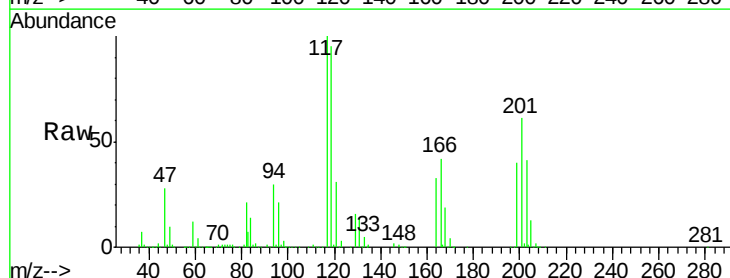
Manual Integrations
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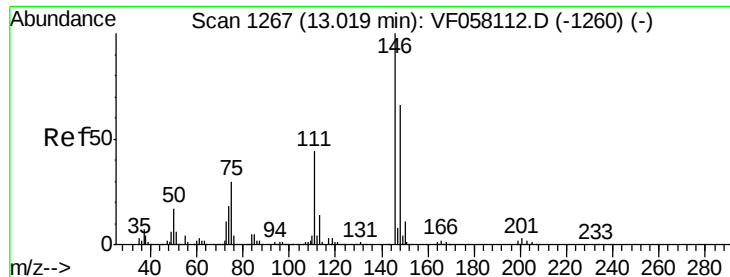
apatel
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#90
Hexachloroethane
Concen: 52.27 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.4	27.5	82.4





#91

1,2-Dichlorobenzene

Concen: 52.55 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Instrument :

MSVOA_F

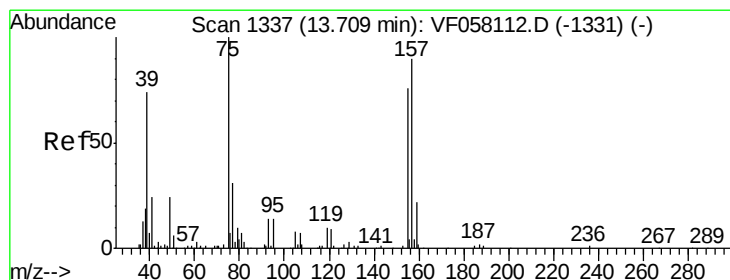
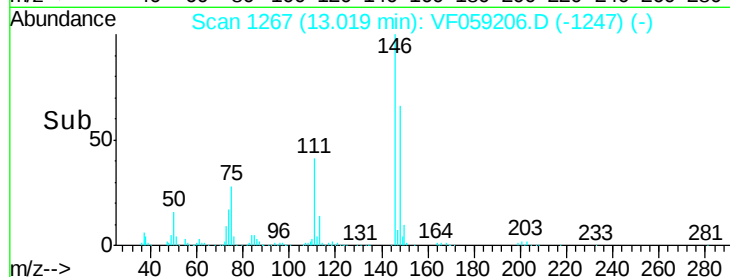
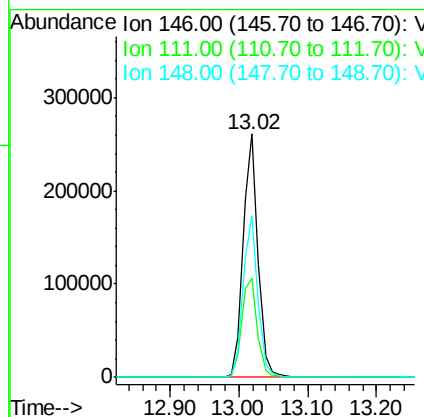
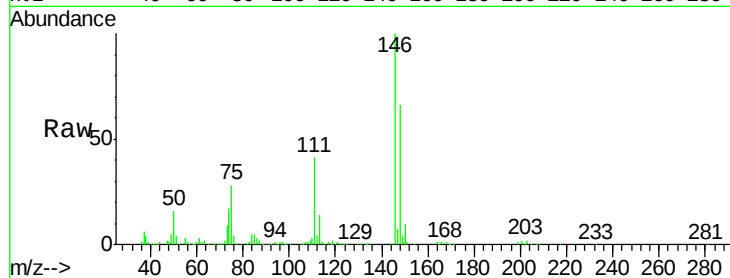
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	390705
Ion Ratio	Lower	Upper	
146	100		
111	40.6	22.0	66.0
148	66.2	33.1	99.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 58.96 ug/l

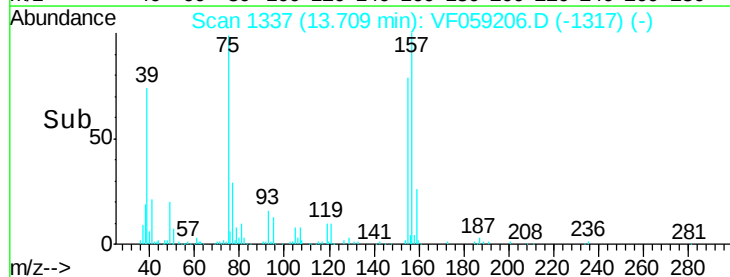
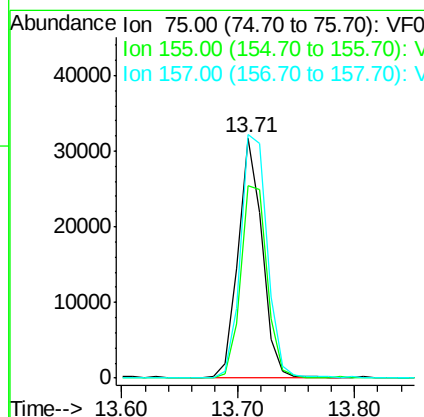
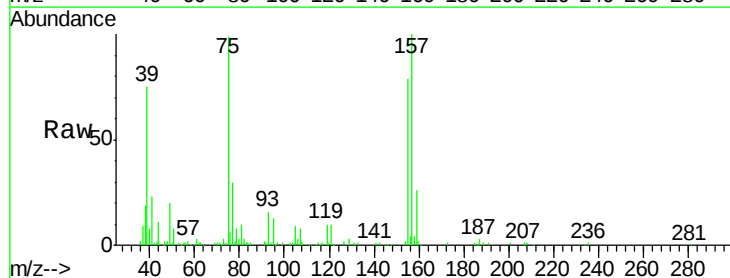
RT: 13.71 min Scan# 1337

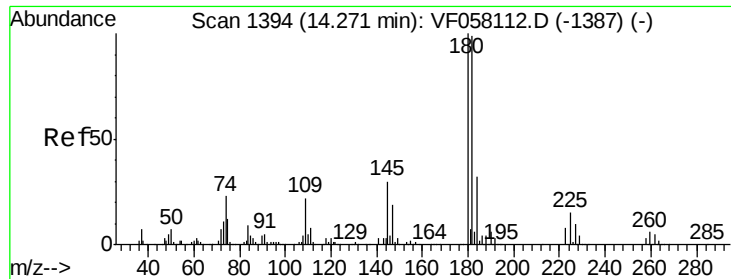
Delta R.T. -0.00 min

Lab File: VF059206.D

Acq: 20 Jun 2018 00:44

Tgt Ion:	75	Resp:	45544
Ion Ratio	Lower	Upper	
75	100		
155	80.1	38.0	114.0
157	101.3	45.1	135.5





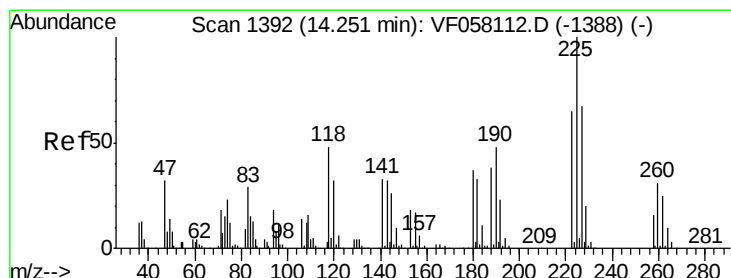
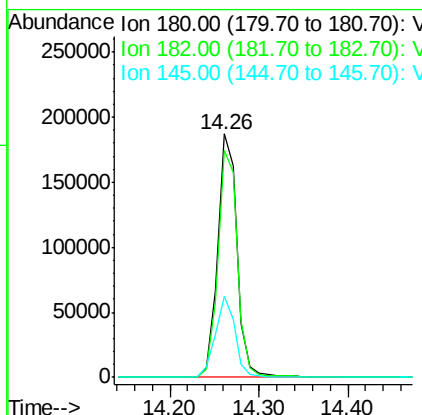
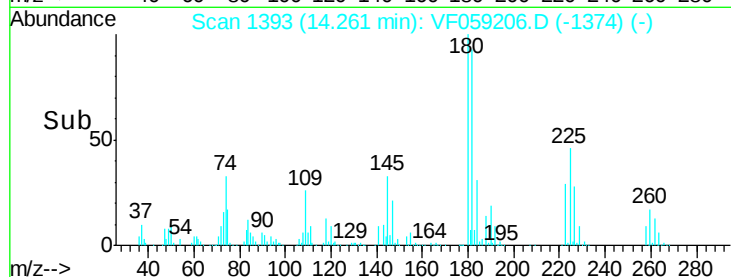
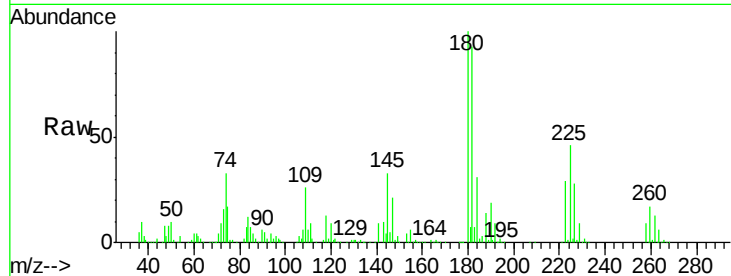
#93
 1,2,4-Trichlorobenzene
 Concen: 55.00 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	285979		
182	93.0	49.3	147.9	
145	33.5	14.9	44.9	

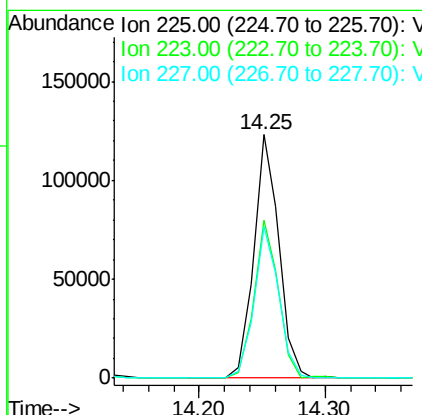
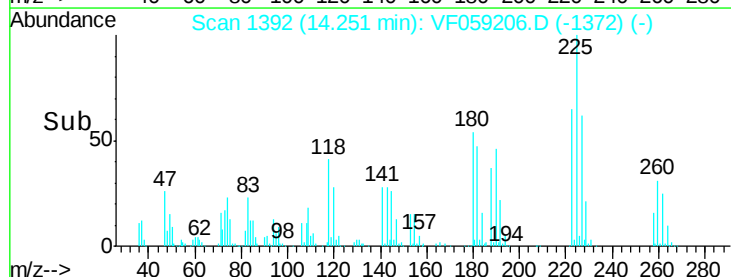
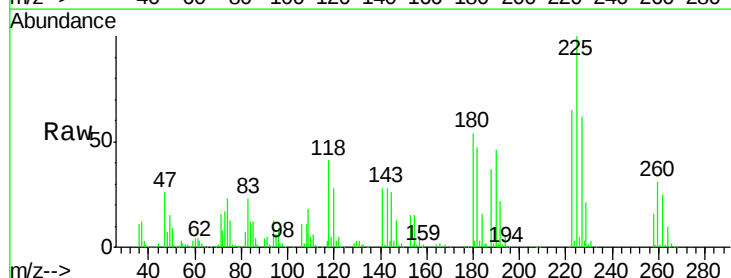
Manual Integrations
 APPROVED

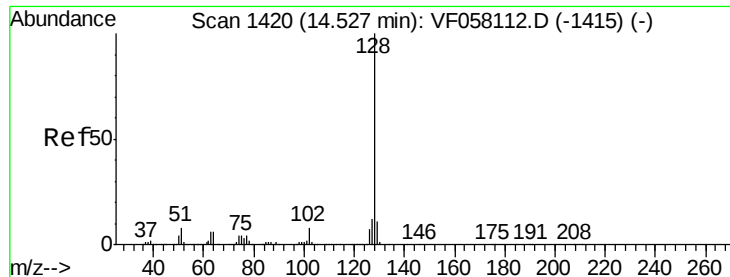
apatel
 6/20/2018 11:18:56 AM



#94
 Hexachlorobutadiene
 Concen: 56.44 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059206.D
 Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	169840		
223	65.0	32.8	98.3	
227	62.2	33.3	99.9	





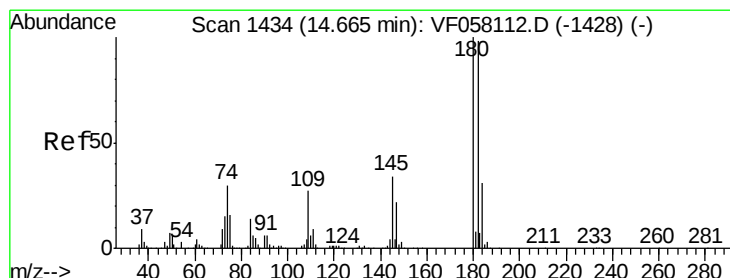
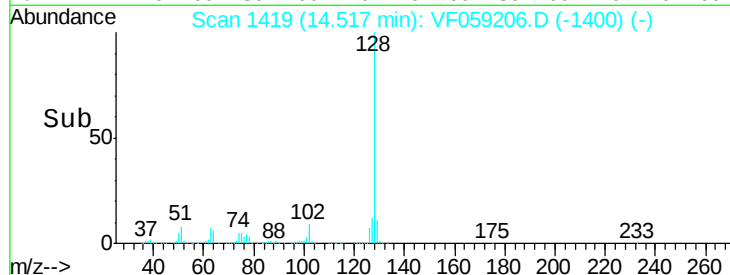
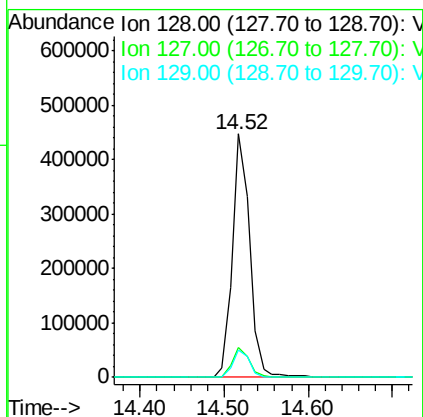
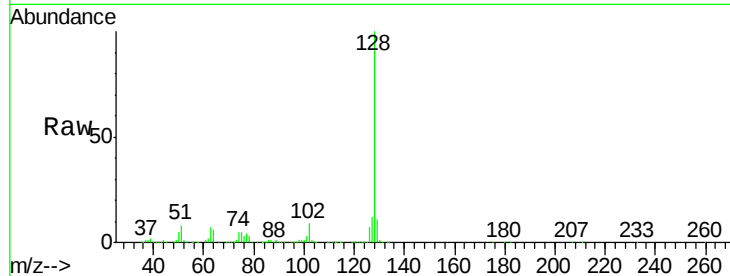
#95
Naphthalene
Concen: 57.75 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.1	8.7	13.1

Manual Integrations
APPROVED

apatel
6/20/2018 11:18:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 58.12 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059206.D
Acq: 20 Jun 2018 00:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.9	146.6
145	32.9	17.3	51.7

