

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059191.D
 Acq On : 19 Jun 2018 16:01
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/20/2018 10:11:31 AM

Quant Time: Jun 20 04:17:35 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	261752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	414448	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	393143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	231654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	170195	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	4.29	113	147210	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
50) Toluene-d8	7.71	98	409957	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.51	95	204264	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	144708	48.85	ug/l	99
3) Chloromethane	1.08	50	94020	40.97	ug/l	100
4) Vinyl Chloride	1.15	62	98116	47.39	ug/l	99
5) Bromomethane	1.34	94	65485	54.28	ug/l	98
6) Chloroethane	1.43	64	47547	55.35	ug/l	94
7) Trichlorofluoromethane	1.49	101	178751m	55.54	ug/l	
8) Diethyl Ether	1.70	74	43103	53.23	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	90140	43.95	ug/l	98
10) Methyl Iodide	1.96	142	184865	51.51	ug/l	96
11) Tert butyl alcohol	2.69	59	50341	247.50	ug/l	99
12) 1,1-Dichloroethene	1.85	96	87080	50.49	ug/l	96
13) Acrolein	2.09	56	39785	225.98	ug/l	91
14) Allyl chloride	2.19	41	168489	49.77	ug/l	95
15) Acrylonitrile	3.07	53	104389	258.41	ug/l	97
16) Acetone	2.33	43	227138m	299.68	ug/l	
17) Carbon Disulfide	1.87	76	228111m	47.11	ug/l	
18) Methyl Acetate	2.44	43	70509m	54.11	ug/l	
19) Methyl tert-butyl Ether	2.54	73	312641	58.39	ug/l	96
20) Methylene Chloride	2.30	84	94926m	52.31	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	95582	50.53	ug/l	94
22) Diisopropyl ether	2.93	45	359029	53.95	ug/l	99
23) Vinyl Acetate	3.33	43	1279905	291.72	ug/l	100
24) 1,1-Dichloroethane	2.99	63	205060	50.83	ug/l	99
25) 2-Butanone	4.50	43	300644	255.85	ug/l	96
26) 2,2-Dichloropropane	3.75	77	152626	52.15	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	137924	47.38	ug/l	94
28) Bromochloromethane	3.88	49	82785	45.59	ug/l #	94
29) Tetrahydrofuran	4.25	42	129804	250.70	ug/l	98
30) Chloroform	4.03	83	302339	52.39	ug/l	94
31) Cyclohexane	3.85	56	153203	43.47	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	223294	51.83	ug/l	96
36) 1,1-Dichloropropene	4.45	75	199375	49.63	ug/l	96
37) Ethyl Acetate	4.28	43	136097	54.83	ug/l #	93
38) Carbon Tetrachloride	4.17	117	249767	57.37	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	188290	45.98	ug/l	99
40) Benzene	4.80	78	446048	47.84	ug/l	97
41) Methacrylonitrile	4.92	41	61137	50.13	ug/l	97
42) 1,2-Dichloroethane	5.11	62	246216	58.88	ug/l	99
43) Isopropyl Acetate	7.10	43	172492	51.89	ug/l #	93
44) Trichloroethene	5.67	130	147048	50.47	ug/l	99
45) 1,2-Dichloropropane	6.40	63	126621	47.10	ug/l	96
46) Dibromomethane	6.25	93	107005	52.90	ug/l	90
47) Bromodichloromethane	6.54	83	255061	55.43	ug/l	98
48) Methyl methacrylate	6.87	41	117725	57.45	ug/l	94
49) 1,4-Dioxane	6.86	88	11970	790.10	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	579991	254.56	ug/l	97
52) Toluene	7.78	92	324386	48.30	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	238674	53.55	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	253496	49.52	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	126278	51.89	ug/l	95
56) Ethyl methacrylate	8.75	69	156881	51.14	ug/l	91
57) 1,3-Dichloropropane	9.00	76	213186	51.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	56968	259.71	ug/l	100
59) 2-Hexanone	9.63	43	486158	269.75	ug/l	99
60) Dibromochloromethane	8.86	129	192431	55.02	ug/l	99
61) 1,2-Dibromoethane	9.13	107	152225	53.83	ug/l	97
64) Tetrachloroethene	8.30	164	153524	53.24	ug/l	94
65) Chlorobenzene	9.93	112	405399	52.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	172141	55.59	ug/l	98
67) Ethyl Benzene	10.03	91	696312	51.47	ug/l	98
68) m/p-Xylenes	10.26	106	503886	99.49	ug/l	94
69) o-Xylene	10.82	106	274215	50.10	ug/l	88
70) Styrene	10.90	104	423349	51.12	ug/l	99
71) Bromoform	10.88	173	124456	59.18	ug/l #	95
73) Isopropylbenzene	11.23	105	810852	50.56	ug/l	98
74) N-amyl acetate	11.46	43	278815	48.67	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	183765	48.33	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	143356	51.05	ug/l	97
77) Bromobenzene	11.59	156	208086	51.55	ug/l	91
78) n-propylbenzene	11.69	91	922135	48.58	ug/l	99
79) 2-Chlorotoluene	11.81	91	551982	49.22	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	673621	50.75	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	88631	48.68	ug/l	91
82) 4-Chlorotoluene	11.98	91	599207	50.19	ug/l	95
83) tert-Butylbenzene	12.21	119	684606	51.94	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	695181	50.54	ug/l	92
85) sec-Butylbenzene	12.39	105	884804	49.40	ug/l	99
86) p-Isopropyltoluene	12.54	119	805410	54.75	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	375772	50.42	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	378462	52.70	ug/l	98
89) n-Butylbenzene	12.92	91	754794	49.43	ug/l	97
90) Hexachloroethane	12.99	117	184986	51.06	ug/l	84
91) 1,2-Dichlorobenzene	13.02	146	362648	50.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	39609	53.11	ug/l	87

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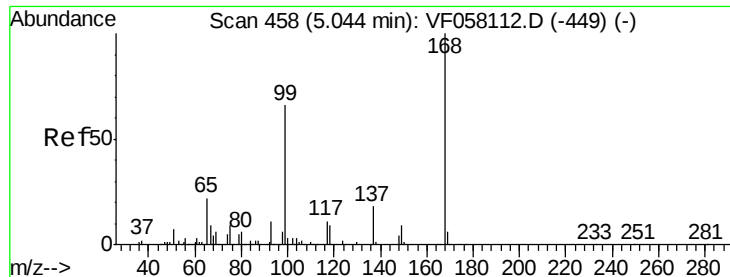
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	284703	56.70	ug/l	96
94) Hexachlorobutadiene	14.25	225	164444	56.59	ug/l	97
95) Naphthalene	14.52	128	600752	56.01	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	269500	58.08	ug/l	96

(#) = 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: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 261752

Ion Ratio Lower Upper

168 100

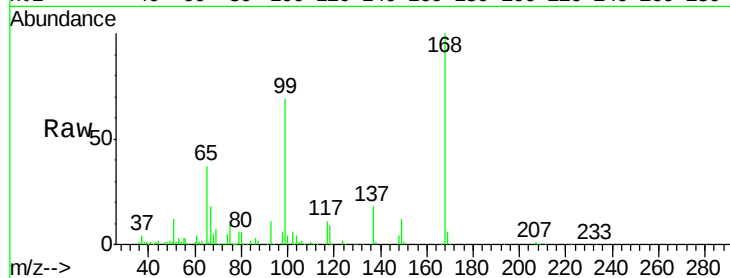
99 69.2 52.9 79.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

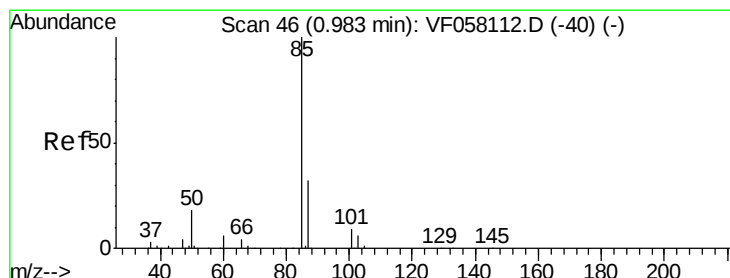
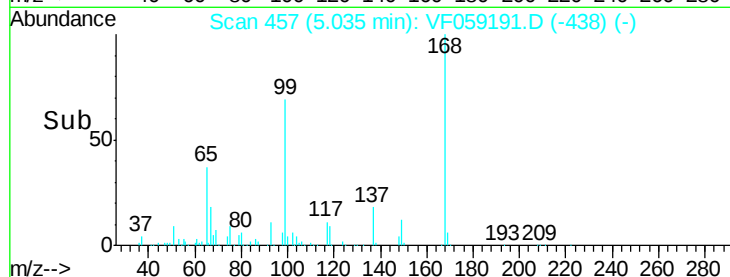
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.85 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059191.D

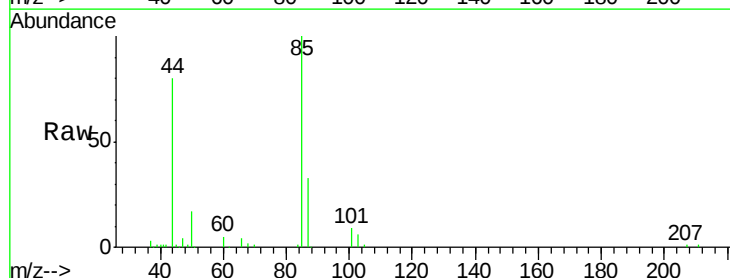
Acq: 19 Jun 2018 16:01

Tgt Ion: 85 Resp: 144708

Ion Ratio Lower Upper

85 100

87 32.9 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

50000

40000

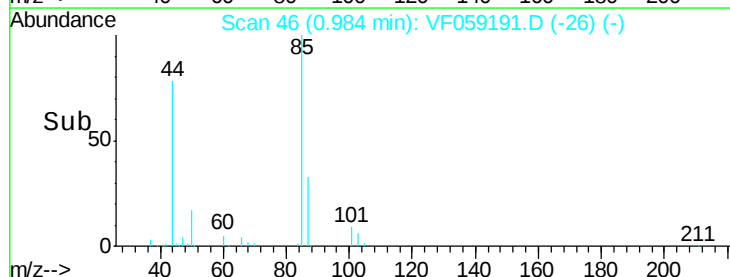
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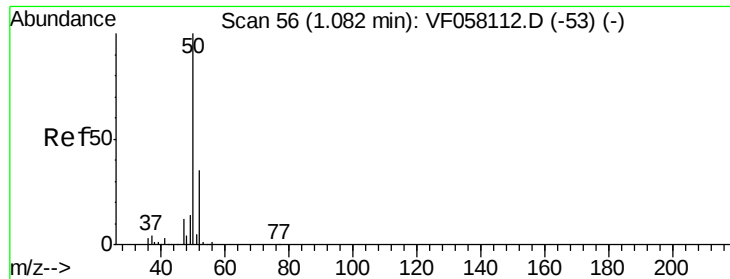
20000

10000

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Time-->





#3

Chloromethane

Concen: 40.97 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 94020

Ion Ratio Lower Upper

50 100

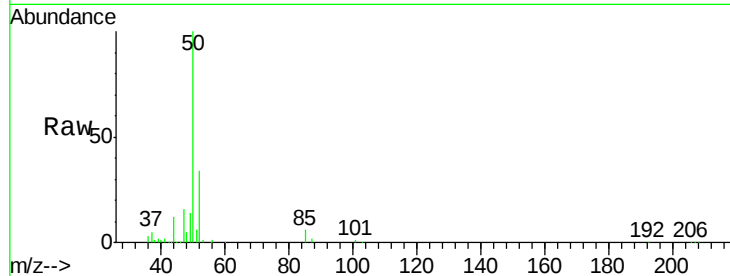
52 34.2 27.3 40.9

Manual Integrations

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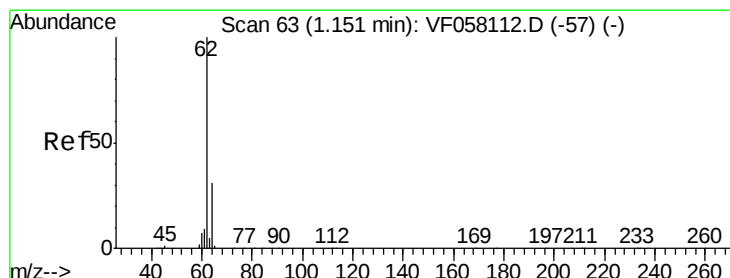
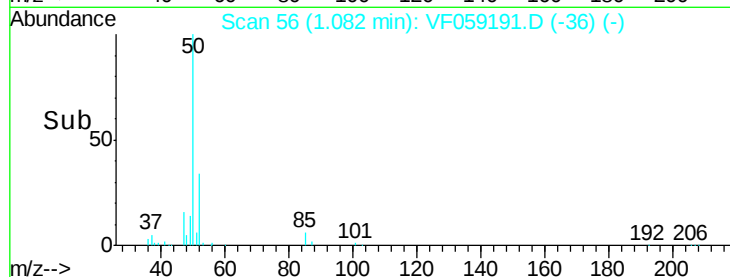
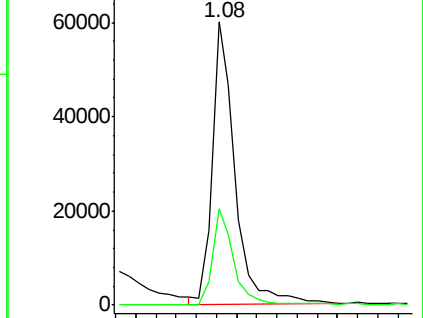
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 47.39 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059191.D

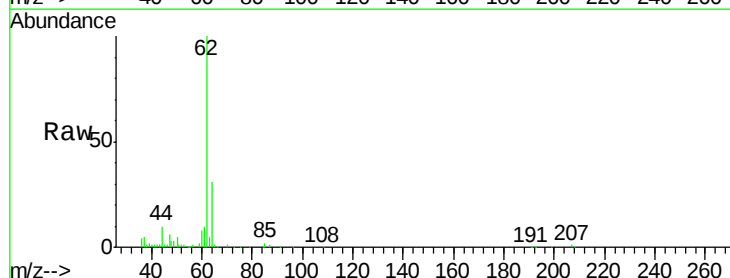
Acq: 19 Jun 2018 16:01

Tgt Ion: 62 Resp: 98116

Ion Ratio Lower Upper

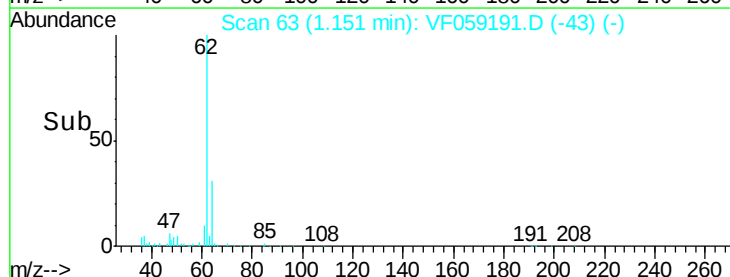
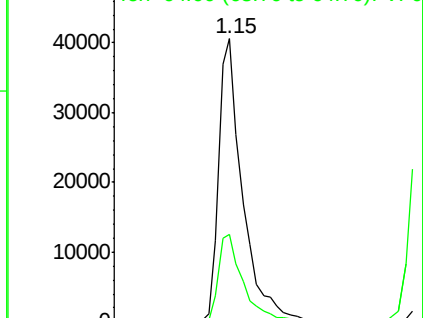
62 100

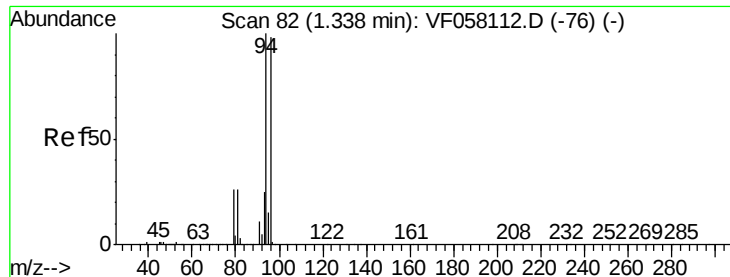
64 30.9 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 54.28 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

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MSVOA_F

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VSTDCCC050

Tot Ion: 94 Resp: 65485

Ion Ratio Lower Upper

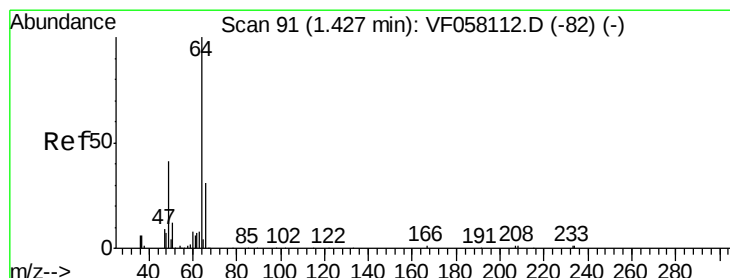
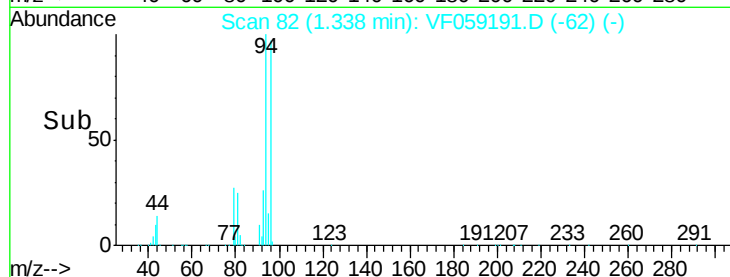
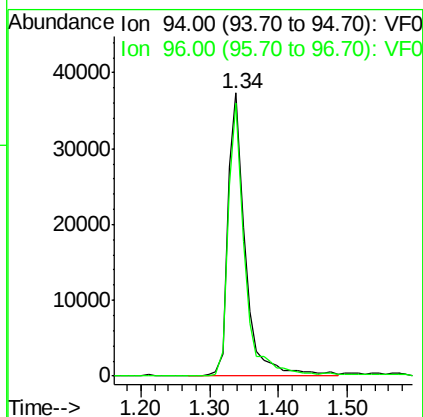
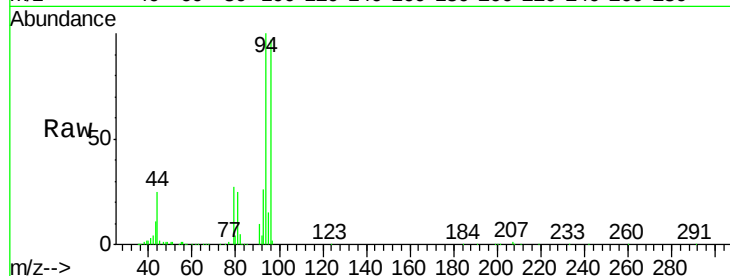
94 100

96 96.5 78.6 117.8

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#6

Chloroethane

Concen: 55.35 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059191.D

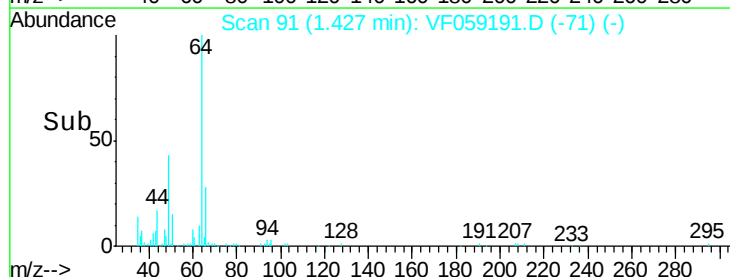
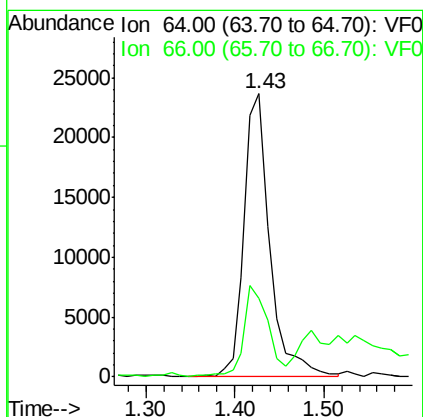
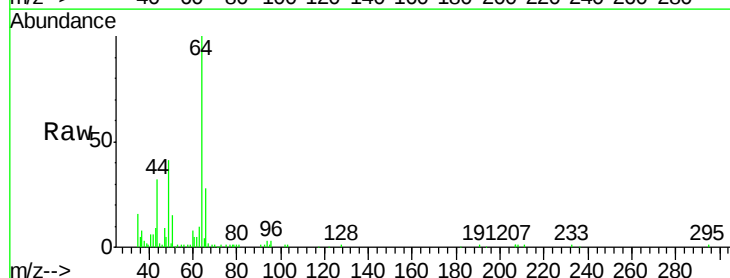
Acq: 19 Jun 2018 16:01

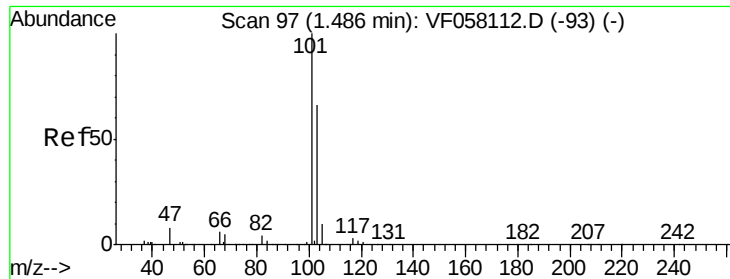
Tgt Ion: 64 Resp: 47547

Ion Ratio Lower Upper

64 100

66 28.0 24.9 37.3





#7

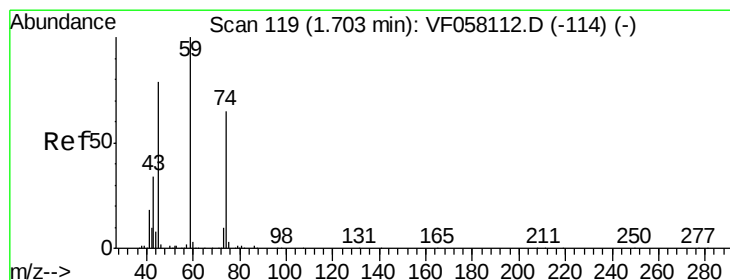
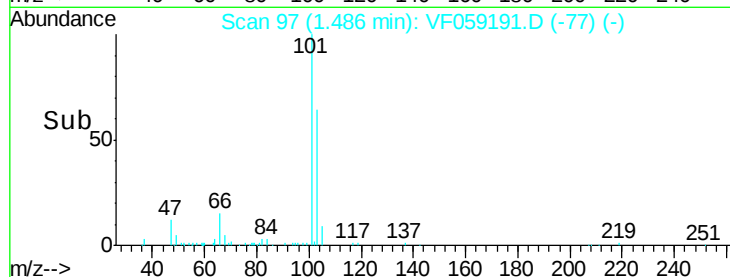
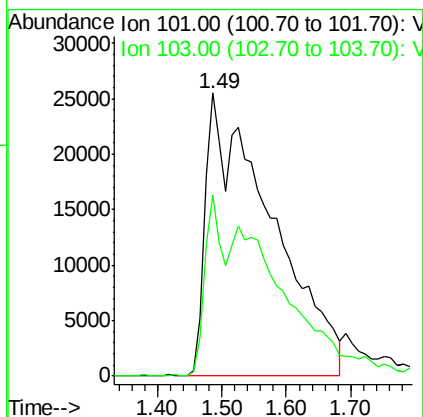
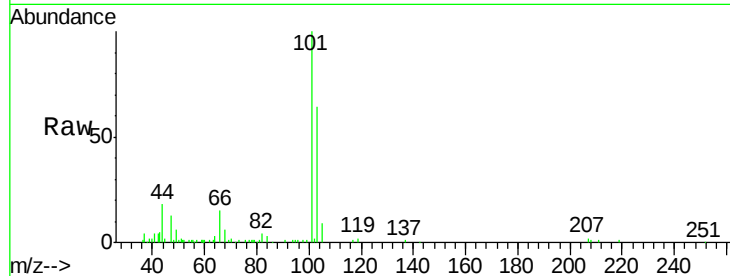
Trichlorofluoromethane
Concen: 55.54 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF059191.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.4	80.2

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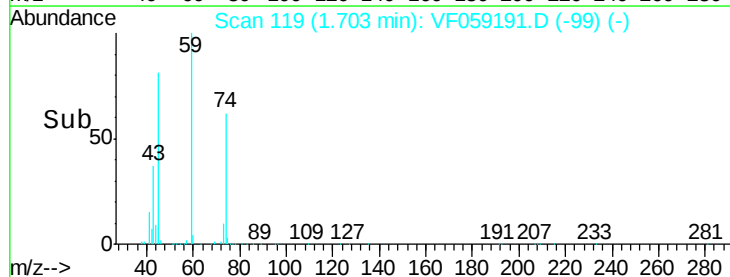
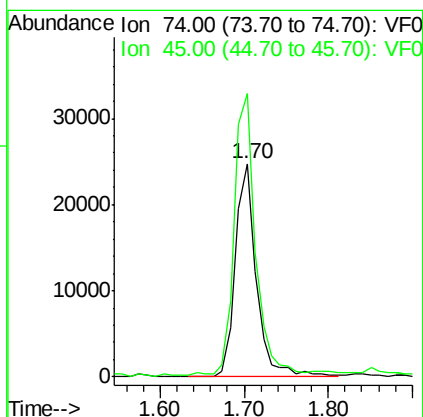
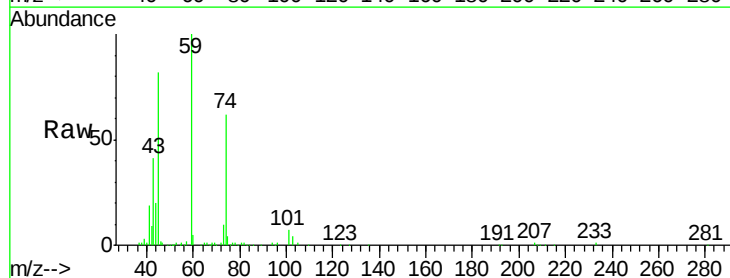
apatel
6/20/2018 10:11:31 AM

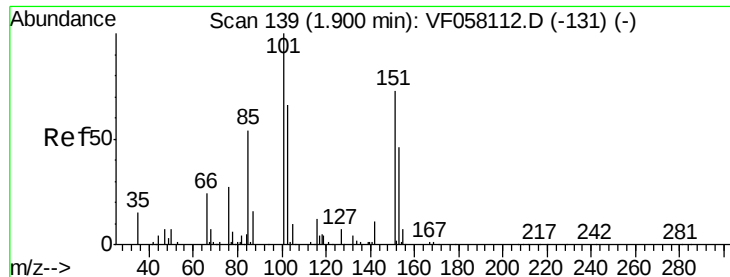


#8

Diethyl Ether
Concen: 53.23 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.7	61.5	184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.95 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

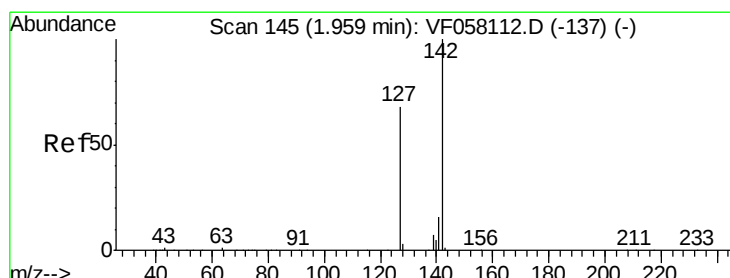
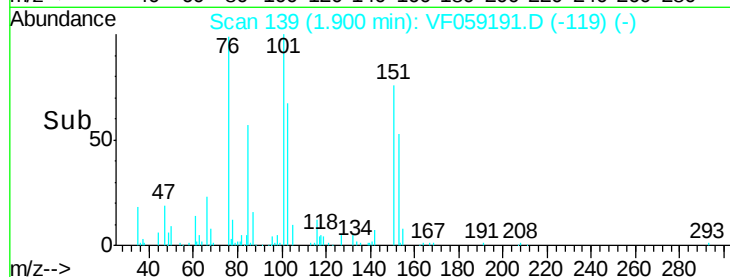
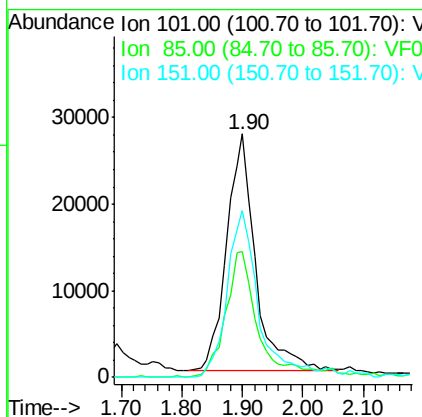
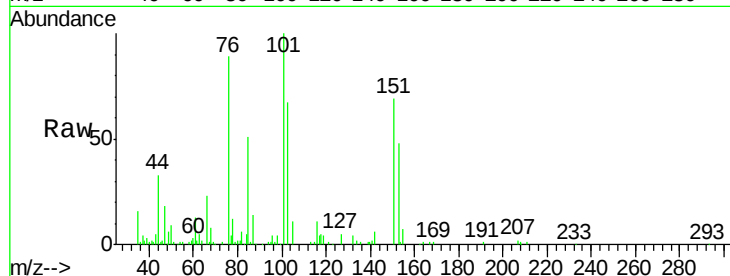
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	90140
Ion Ratio	Lower	Upper	
101	100		
85	51.5	42.2	63.4
151	68.6	56.8	85.2

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#10

Methyl Iodide

Concen: 51.51 ug/l

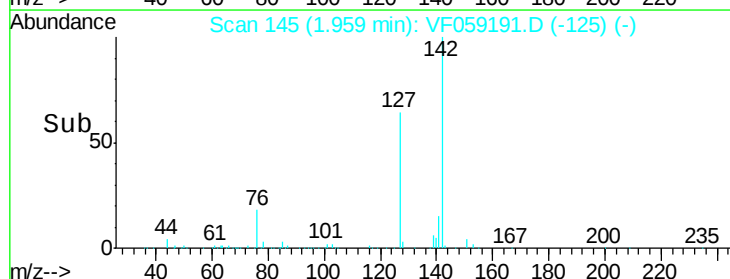
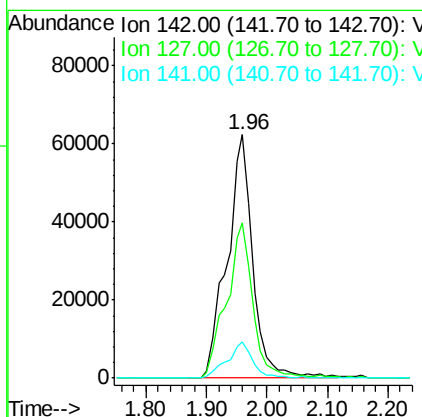
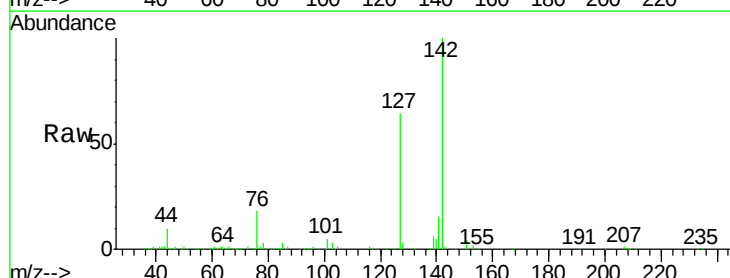
RT: 1.96 min Scan# 145

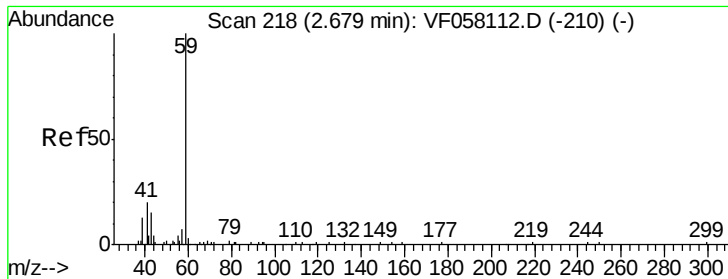
Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion:	142	Resp:	184865
Ion Ratio	Lower	Upper	
142	100		
127	63.8	54.1	81.1
141	15.0	13.0	19.4





#11

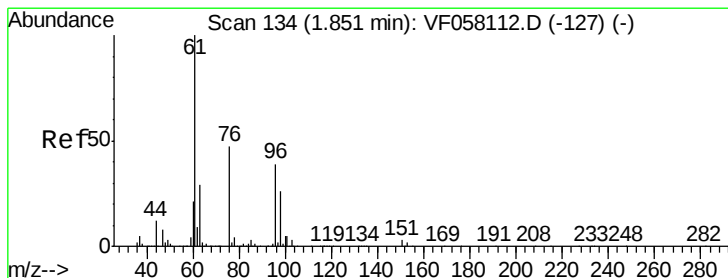
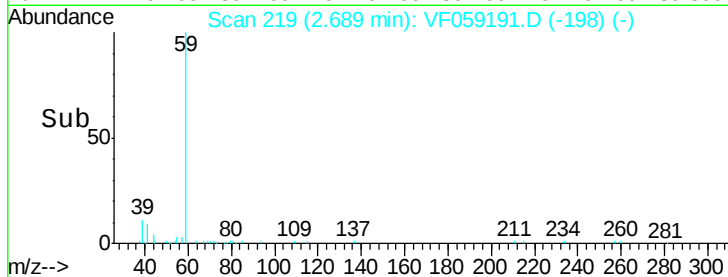
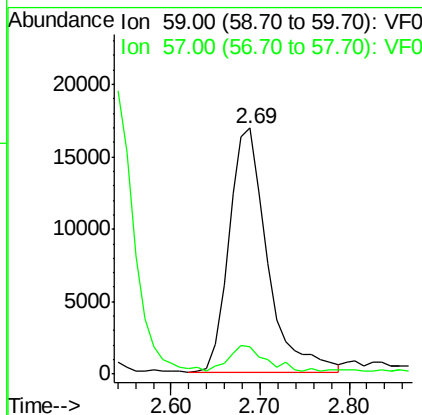
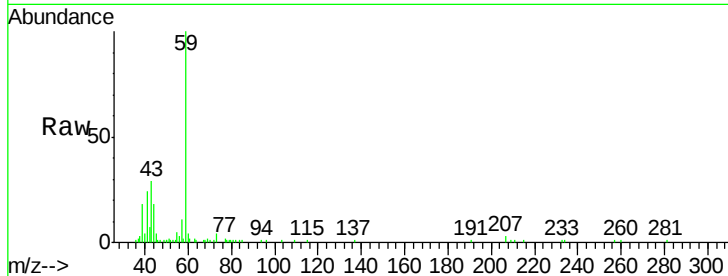
Tert butyl alcohol
 Concen: 247.50 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	50341
Ion Ratio	100	Lower	Upper
57	11.3	8.7	13.1

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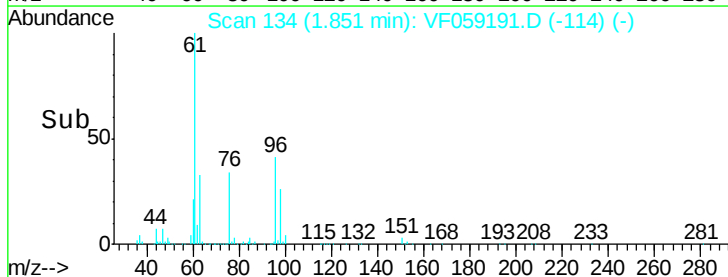
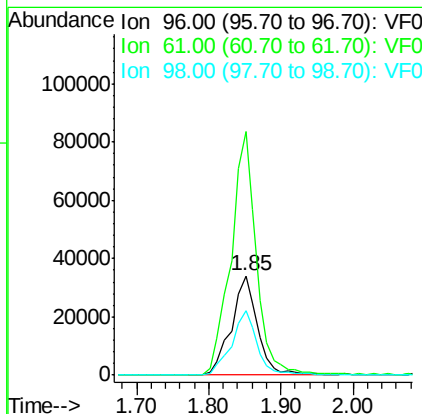
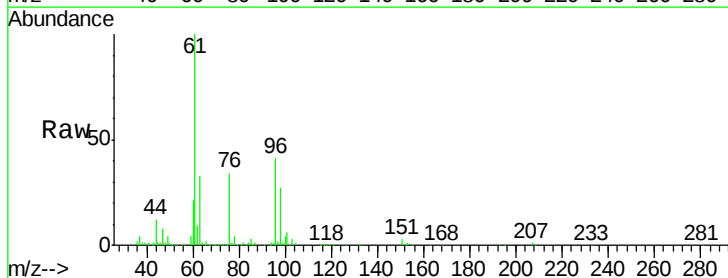
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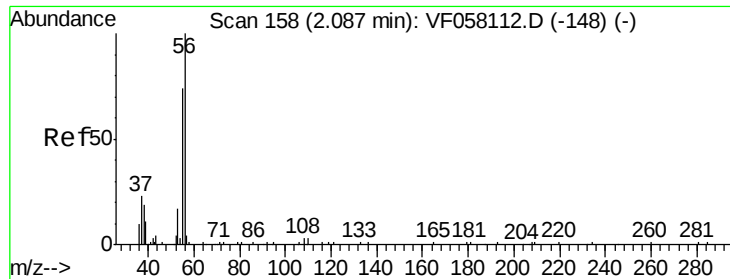


#12

1,1-Dichloroethene
 Concen: 50.49 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Tgt Ion	96	Resp	87080
Ion Ratio	100	Lower	Upper
61	244.6	203.0	304.4
98	64.8	52.7	79.1





#13

Acrolein

Concen: 225.98 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39785

Ion Ratio Lower Upper

56 100

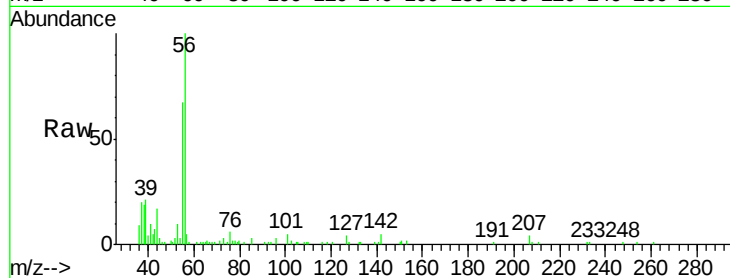
55 67.1 60.0 90.0

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

20000

15000

10000

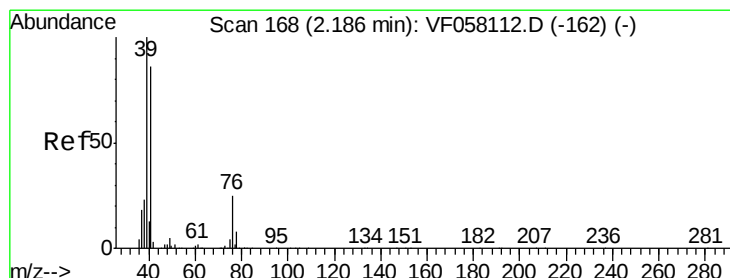
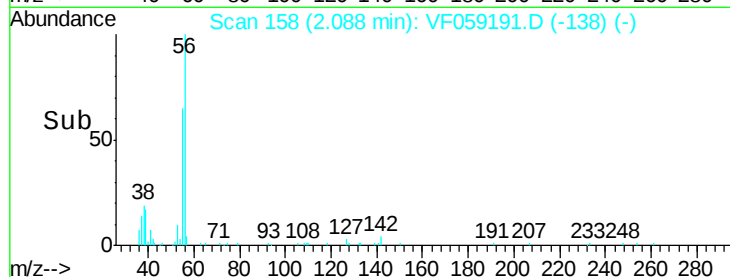
5000

0

2.09

2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 49.77 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

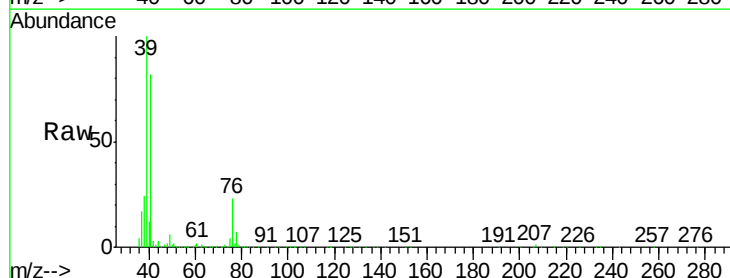
Tgt Ion: 41 Resp: 168489

Ion Ratio Lower Upper

41 100

39 122.6 93.5 140.3

76 27.6 23.9 35.9



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

100000

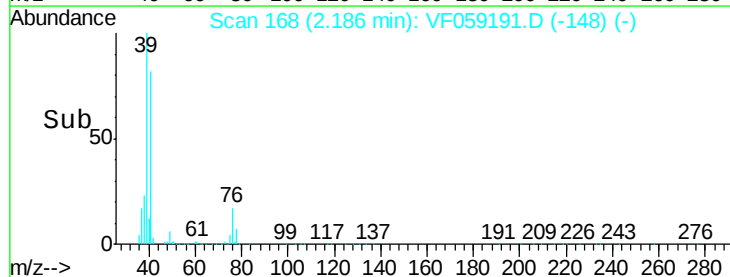
50000

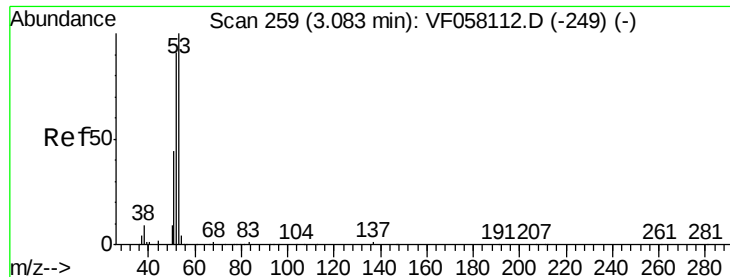
0

2.19

2.10 2.20 2.30

Time-->





#15

Acrylonitrile

Concen: 258.41 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

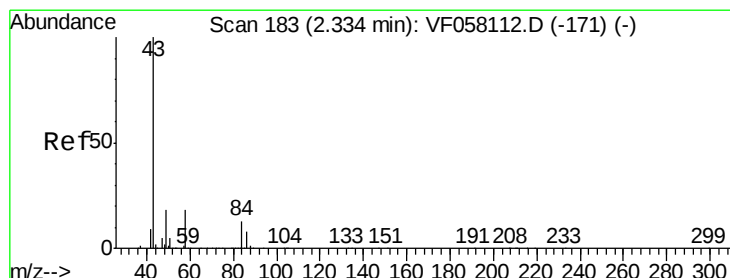
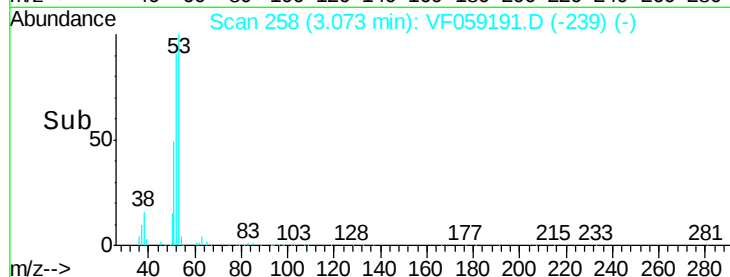
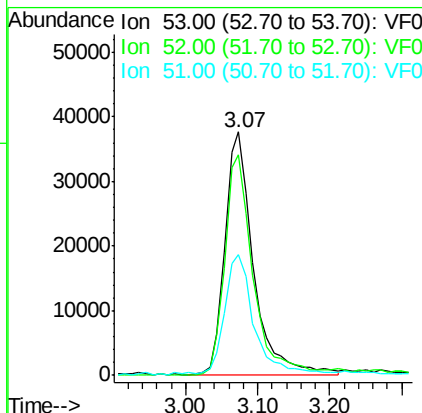
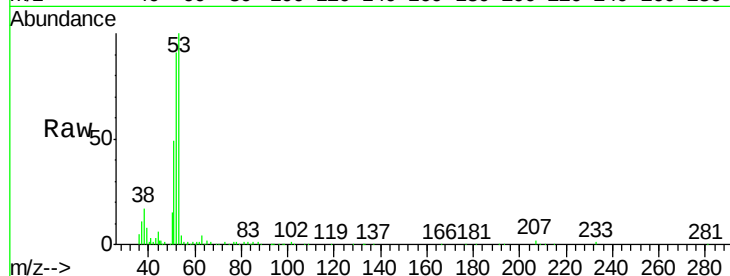
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	104389
Ion	Ratio	Lower	Upper
53	100		
52	90.7	73.2	109.8
51	49.4	35.6	53.4

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#16

Acetone

Concen: 299.68 ug/l m

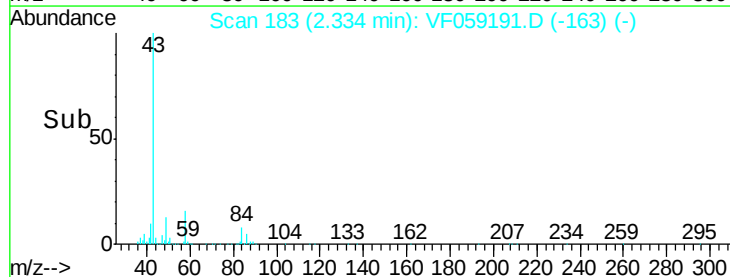
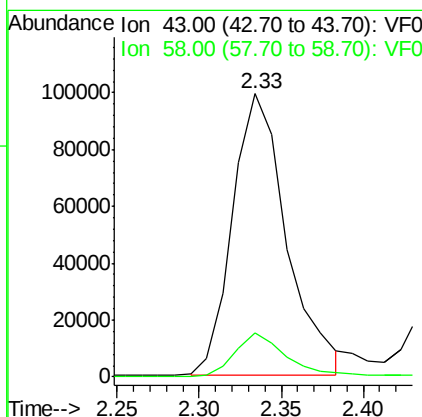
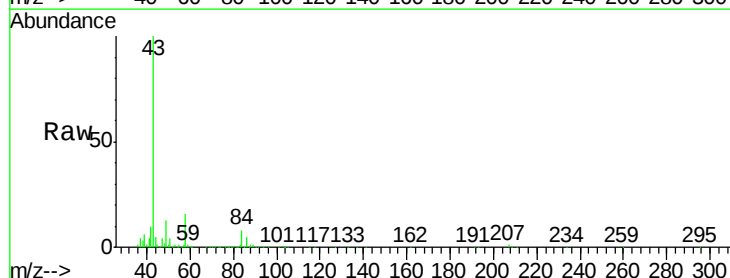
RT: 2.33 min Scan# 183

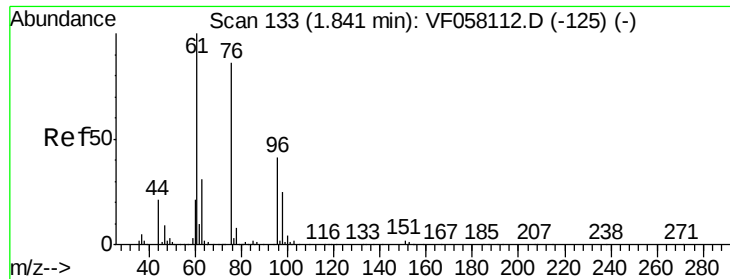
Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion:	43	Resp:	227138
Ion	Ratio	Lower	Upper
43	100		
58	15.6	14.4	21.6





#17

Carbon Disulfide

Concen: 47.11 ug/l m

RT: 1.87 min Scan# 136

Delta R.T. 0.03 min

Lab File: VF059191.D

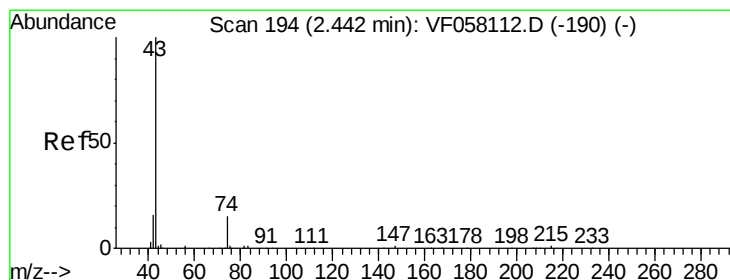
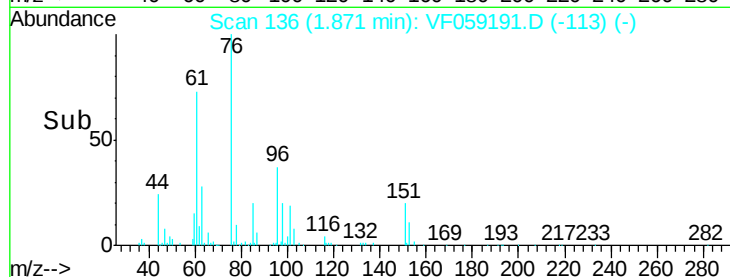
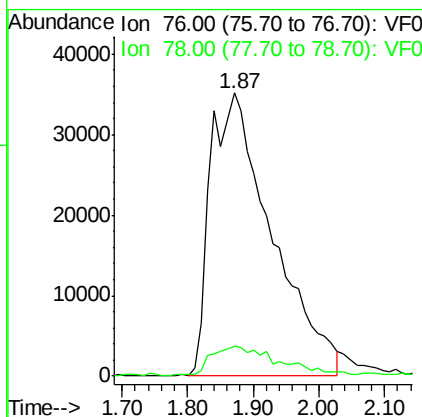
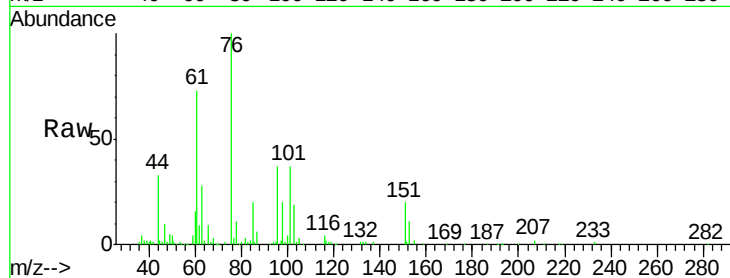
Acq: 19 Jun 2018 16:01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.8	11.8

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#18

Methyl Acetate

Concen: 54.11 ug/l m

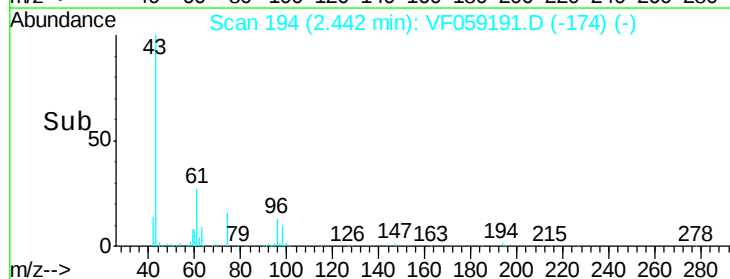
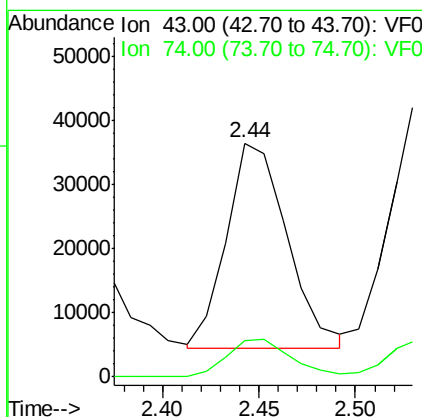
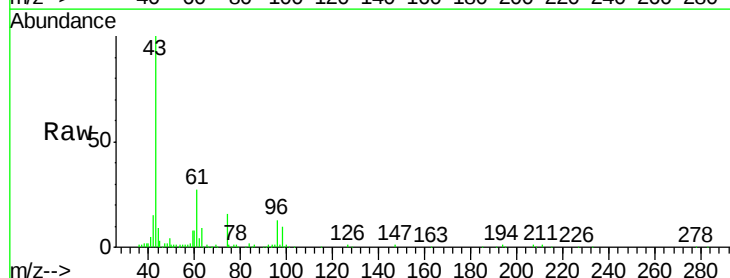
RT: 2.44 min Scan# 194

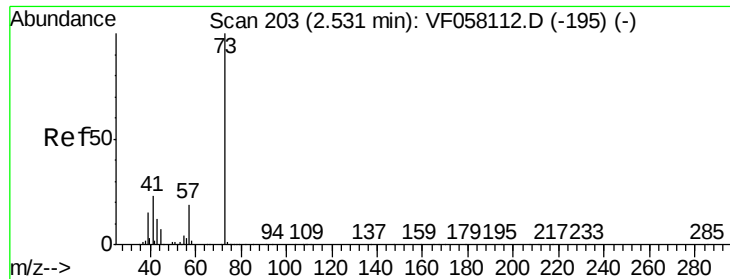
Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.6	10.9	16.3





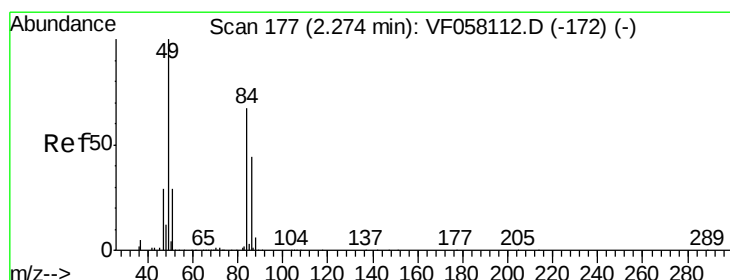
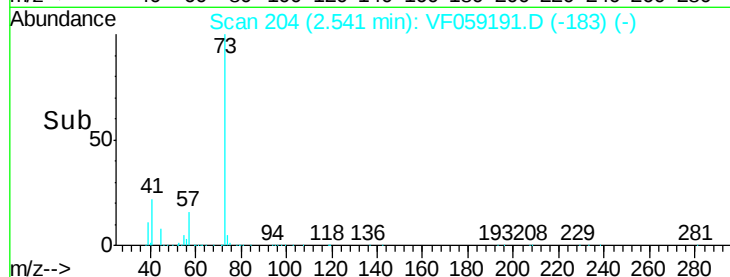
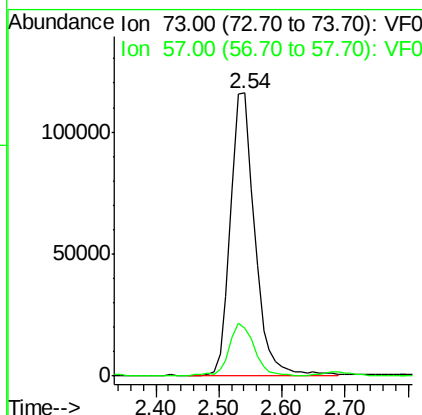
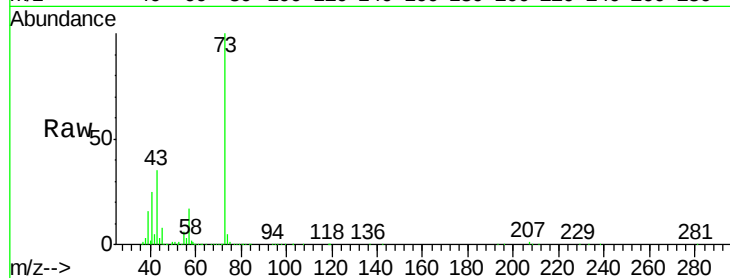
#19
Methvl tert-butvl Ether
Concen: 58.39 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.9	15.0	22.4

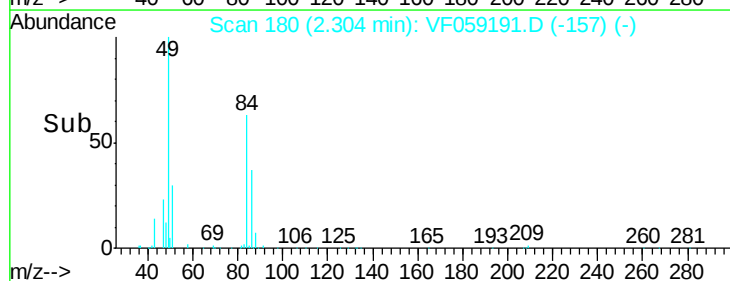
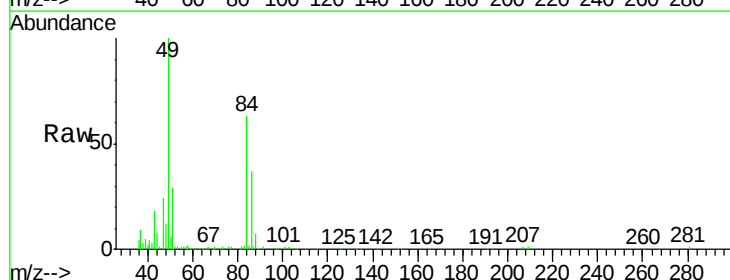
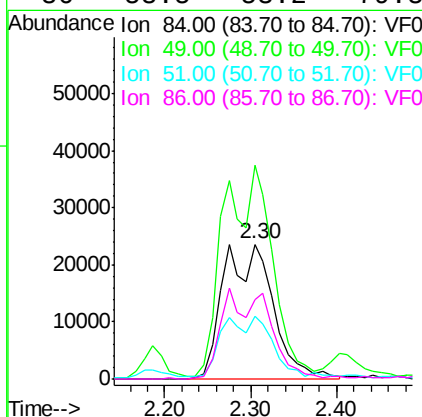
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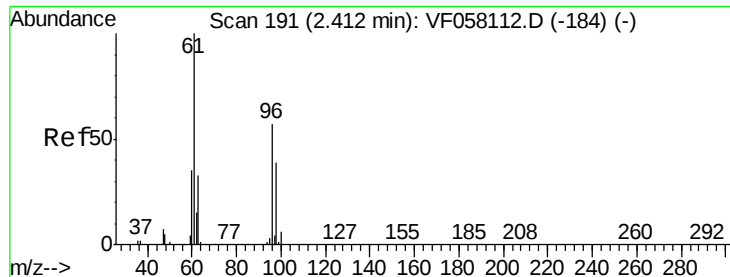
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#20
Methylene Chloride
Concen: 52.31 ug/l m
RT: 2.30 min Scan# 180
Delta R.T. 0.03 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	158.2	121.0	181.4
51	46.6	35.8	53.6
86	58.5	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 50.53 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

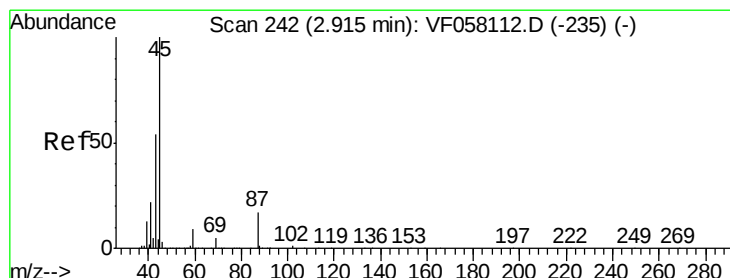
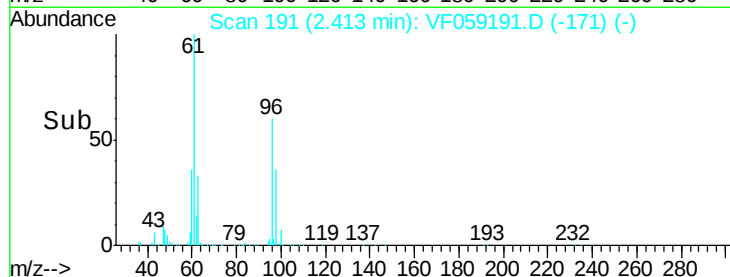
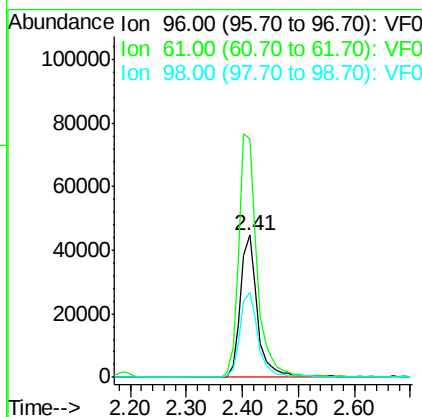
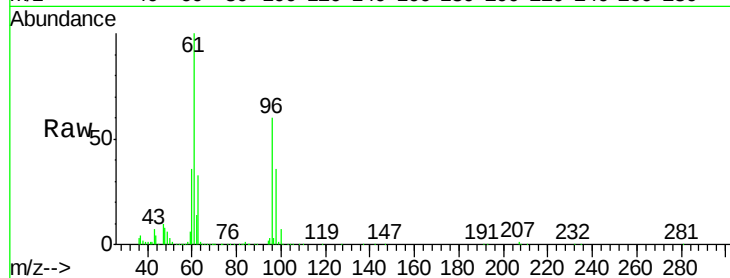
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	95582
Ion Ratio	Lower	Upper	
96	100		
61	167.6	139.4	209.2
98	59.8	54.0	81.0

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#22

Diisopropyl ether

Concen: 53.95 ug/l

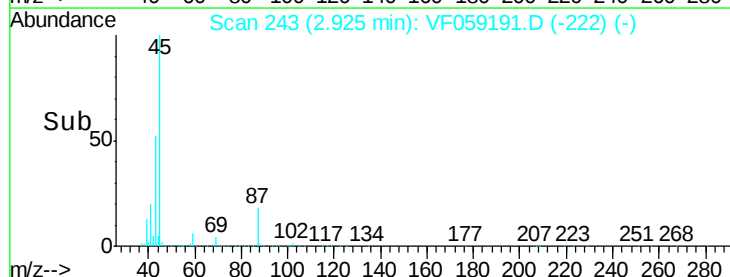
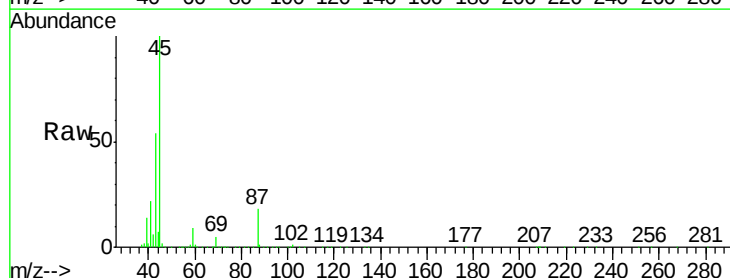
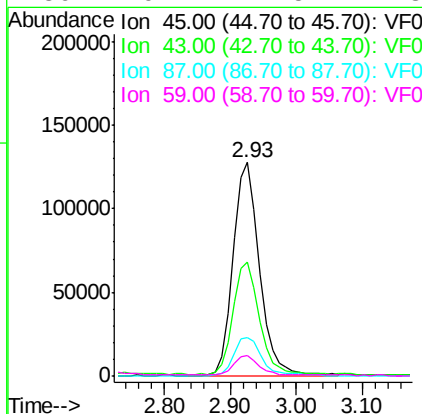
RT: 2.93 min Scan# 243

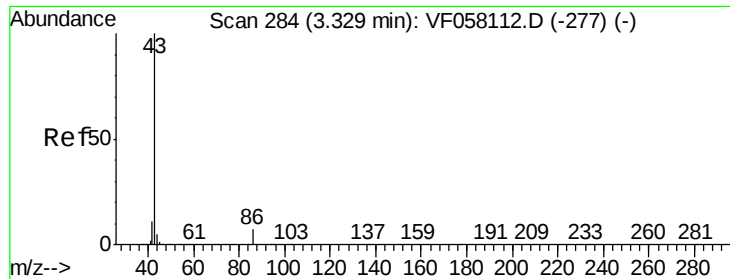
Delta R.T. 0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion:	45	Resp:	359029
Ion Ratio	Lower	Upper	
45	100		
43	53.6	43.2	64.8
87	18.1	13.8	20.6
59	9.4	7.5	11.3





#23

Vinyl Acetate

Concen: 291.72 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1279905

Ion Ratio Lower Upper

43 100

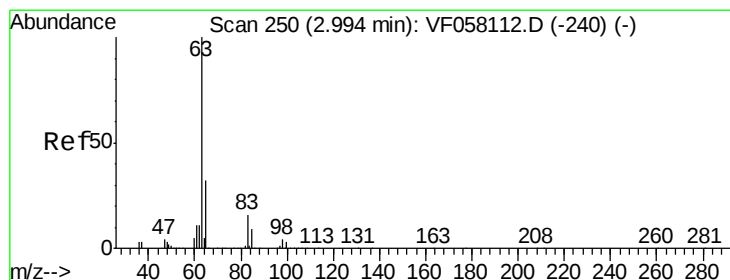
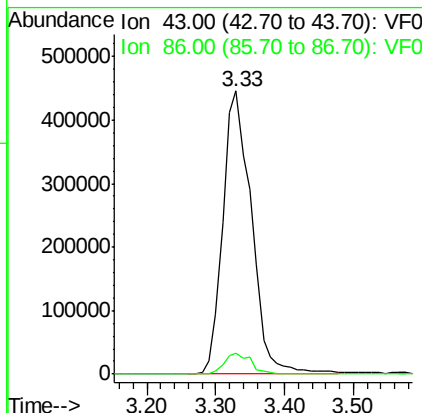
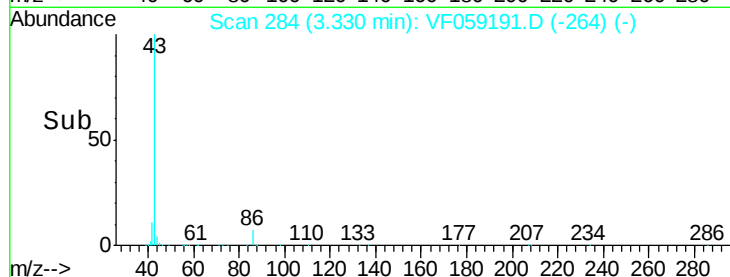
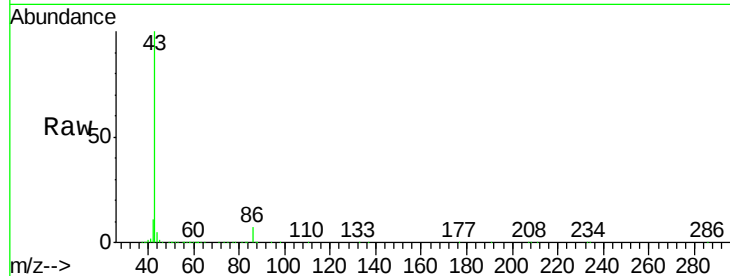
86 7.4 6.0 9.0

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#24

1,1-Dichloroethane

Concen: 50.83 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

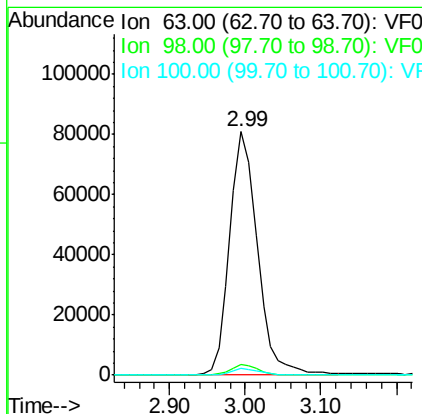
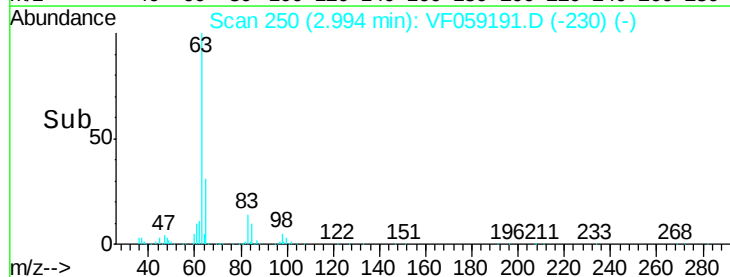
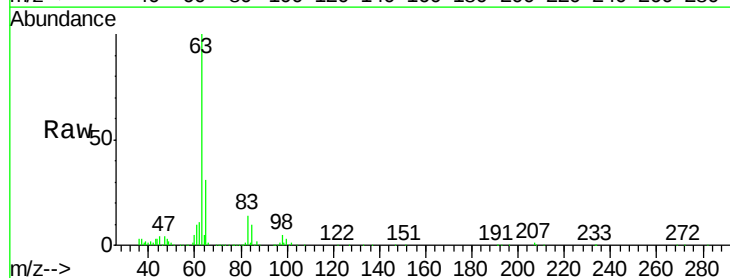
Tgt Ion: 63 Resp: 205060

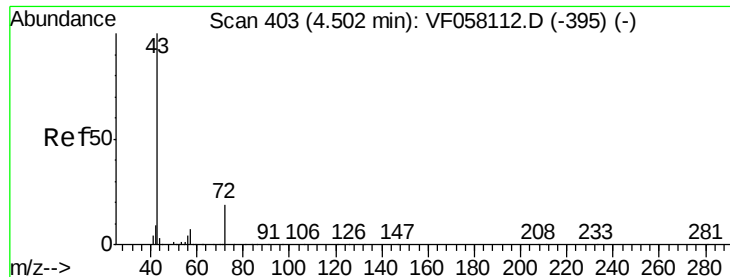
Ion Ratio Lower Upper

63 100

98 4.5 2.0 6.0

100 2.5 1.4 4.0





#25

2-Butanone

Concen: 255.85 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 300644

Ion Ratio Lower Upper

43 100

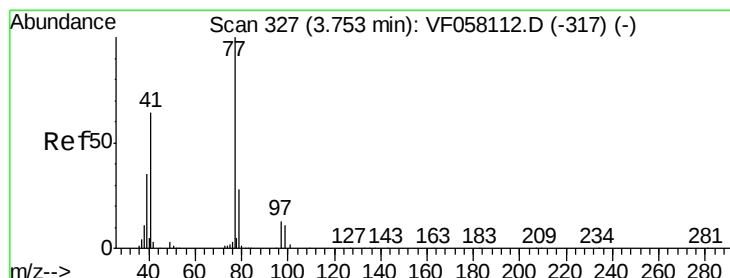
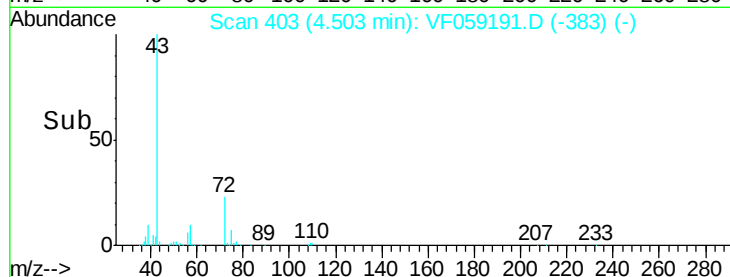
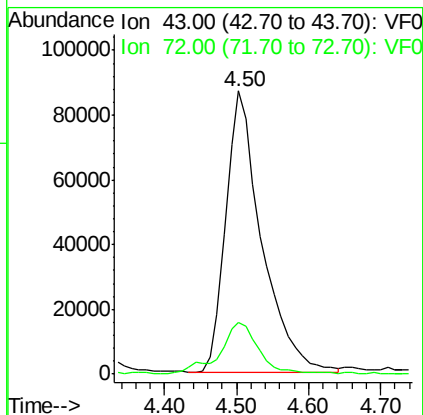
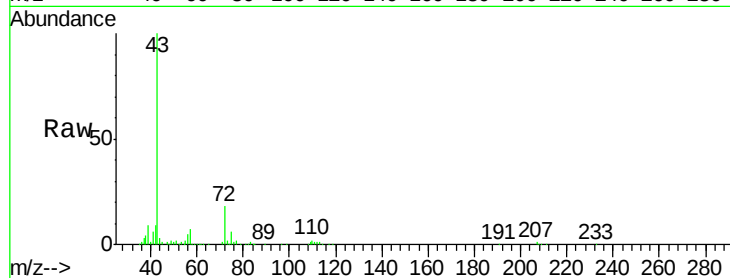
72 18.5 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 52.15 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059191.D

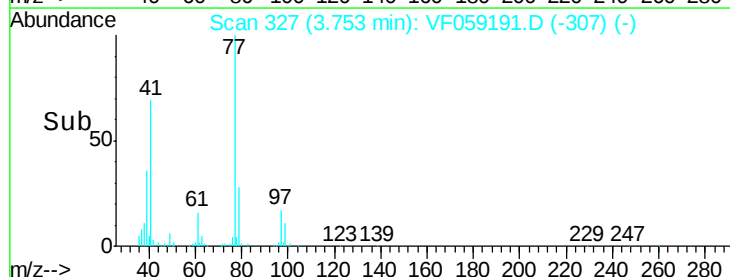
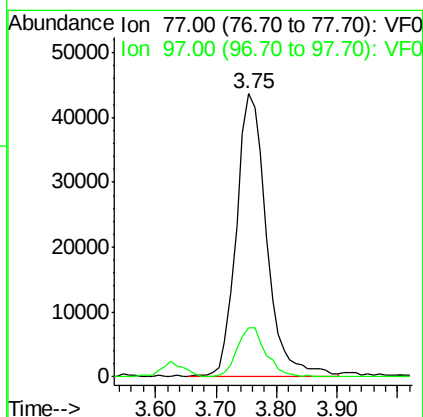
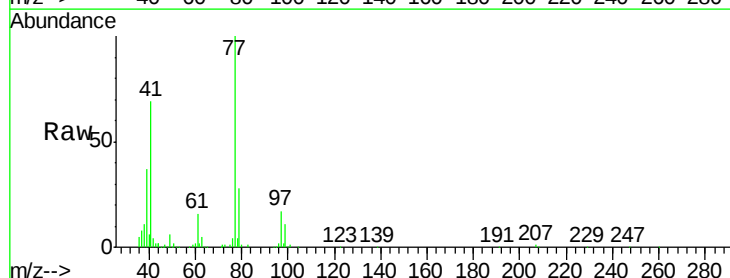
Acq: 19 Jun 2018 16:01

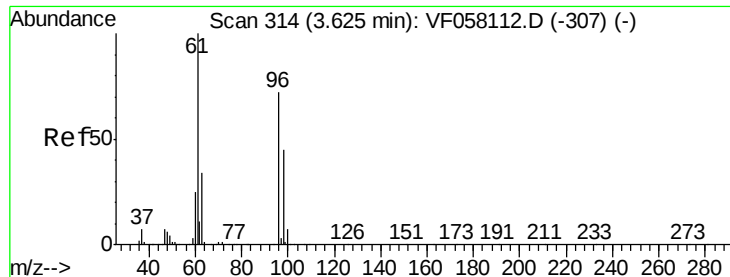
Tgt Ion: 77 Resp: 152626

Ion Ratio Lower Upper

77 100

97 17.2 7.2 21.6





#27

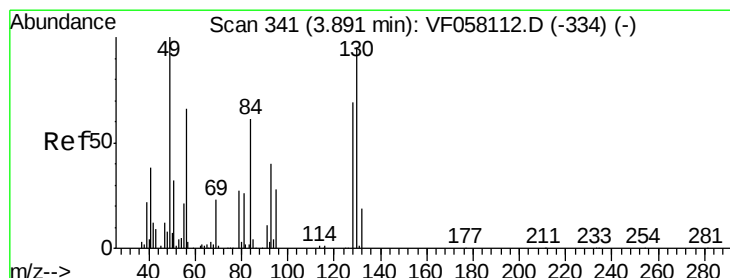
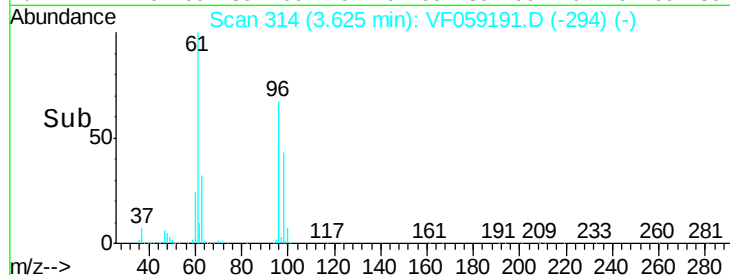
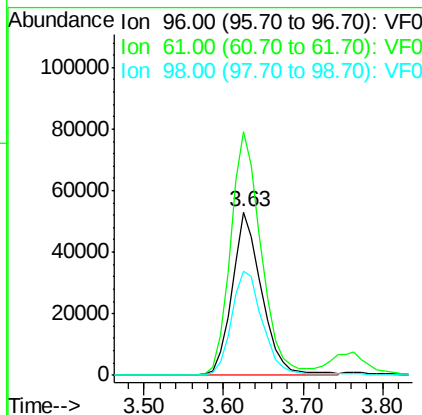
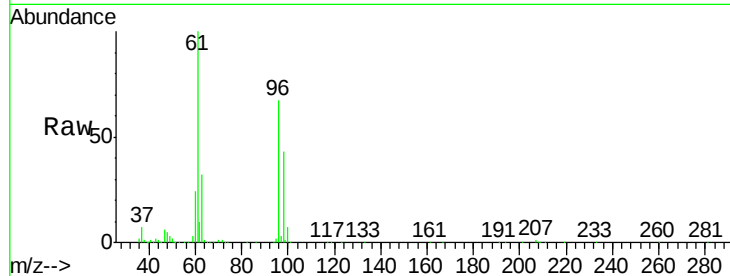
cis-1,2-Dichloroethene
Concen: 47.38 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	278.6
98	63.9	0.0	125.2

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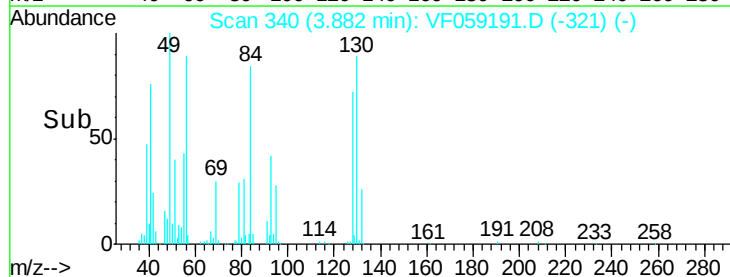
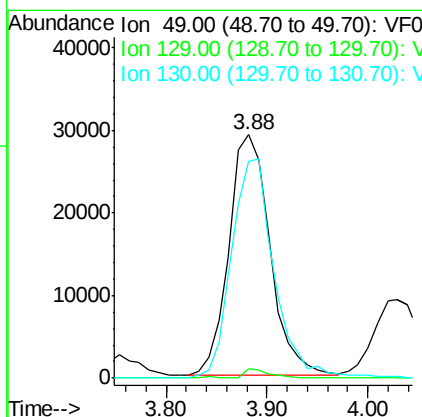
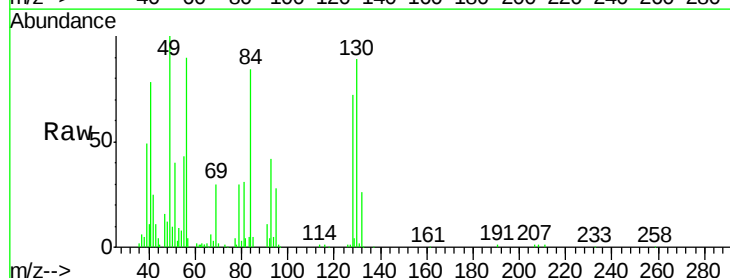
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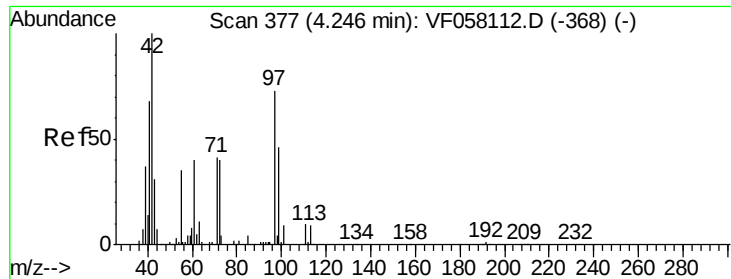


#28

Bromochloromethane
Concen: 45.59 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	0.0#
130	89.0	75.8	113.8





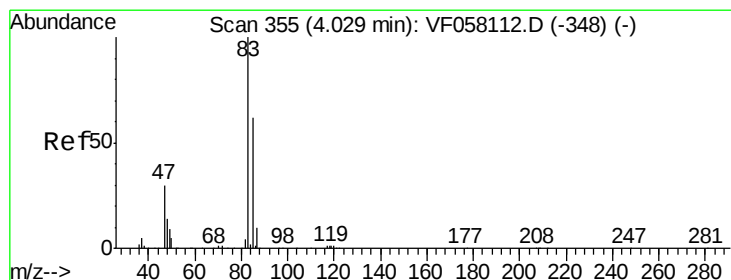
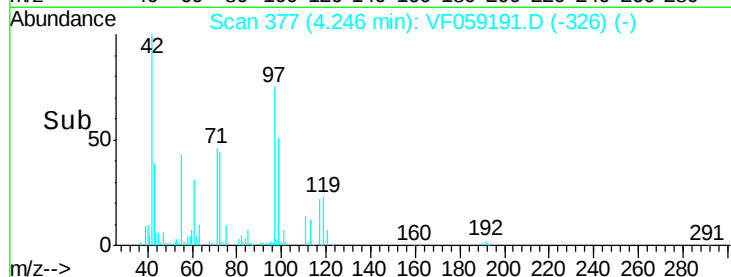
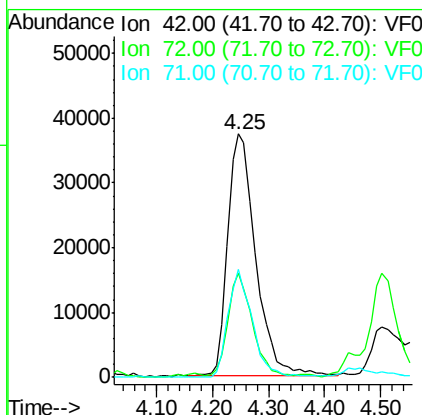
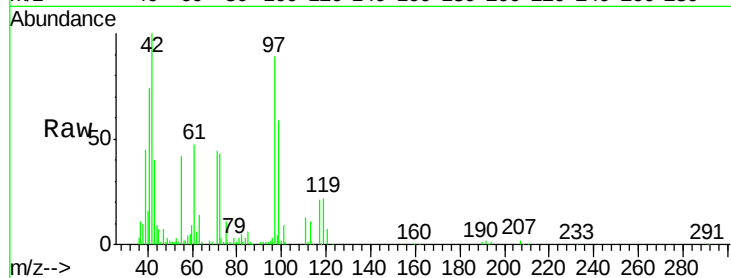
#29
Tetrahydrofuran
Concen: 250.70 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.5	45.7
71	38.7	31.5	47.3

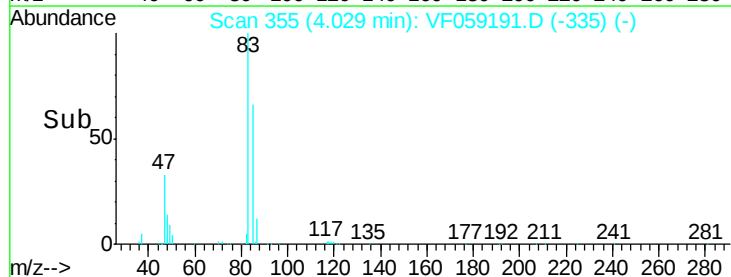
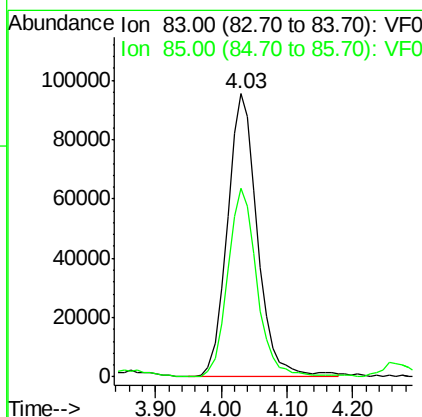
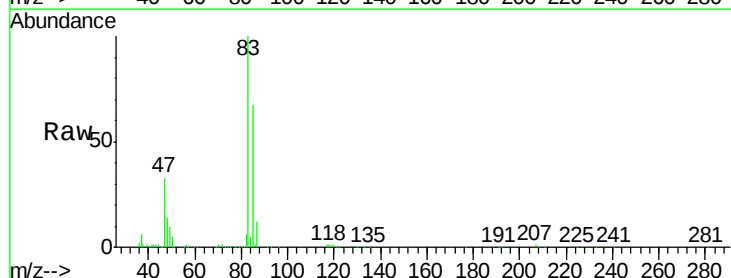
Manual Integrations
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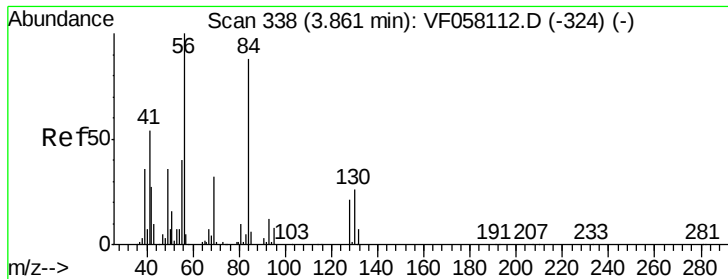
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#30
Chloroform
Concen: 52.39 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	49.5	74.3





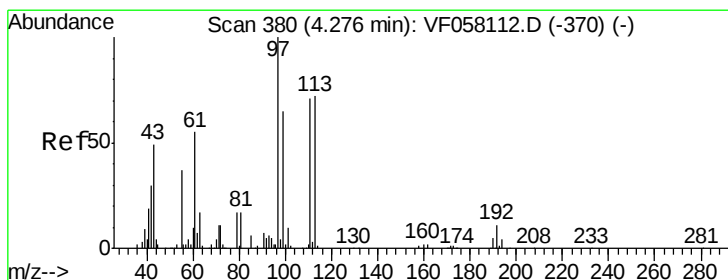
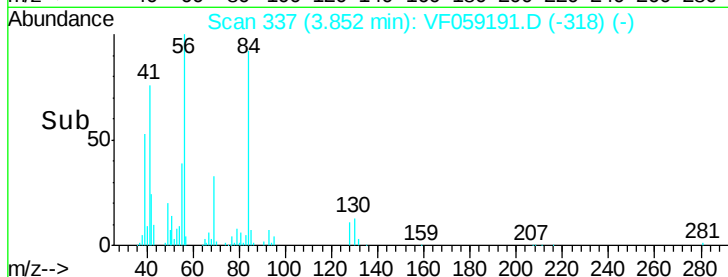
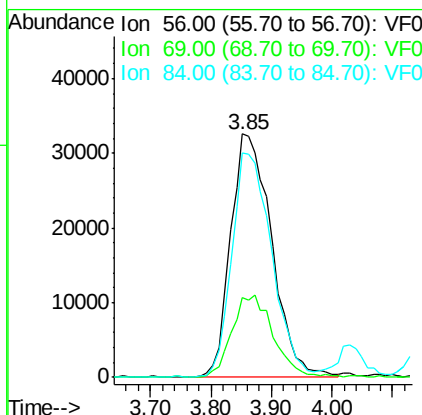
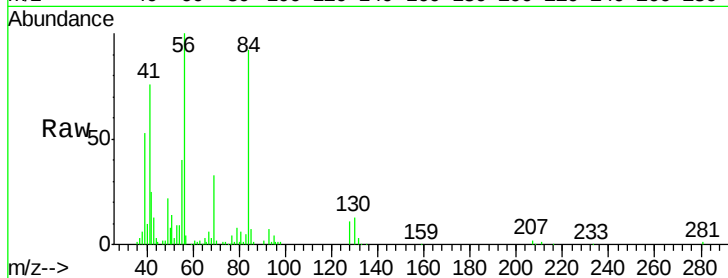
#31
Cyclohexane
Concen: 43.47 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.9	38.9
84	92.3	70.3	105.5

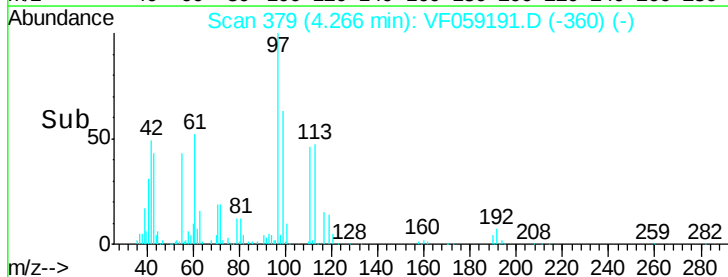
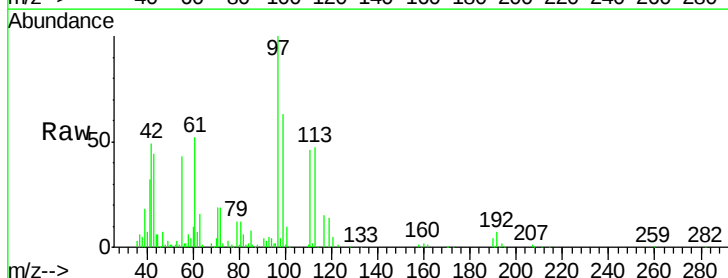
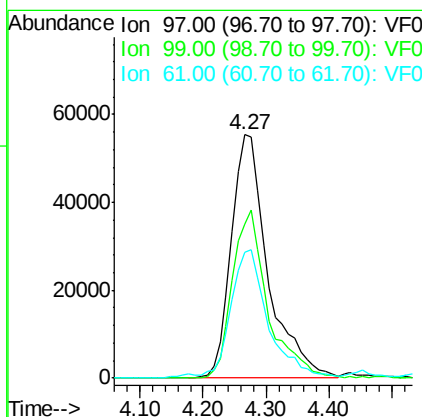
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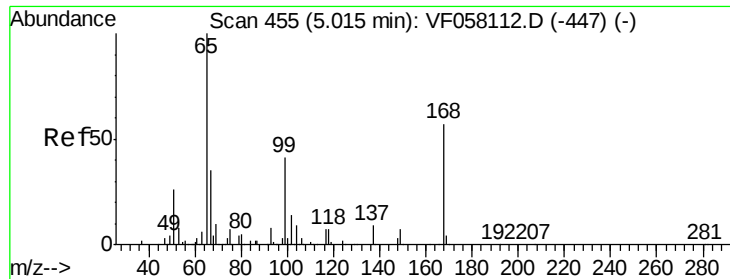
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#32
1,1,1-Trichloroethane
Concen: 51.83 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	52.0	78.0
61	51.7	44.3	66.5





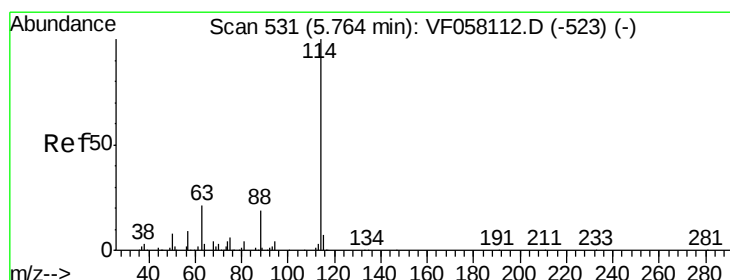
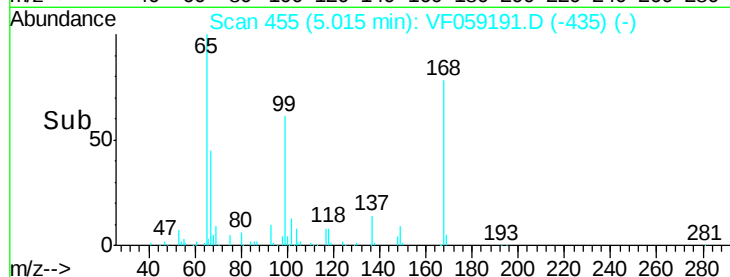
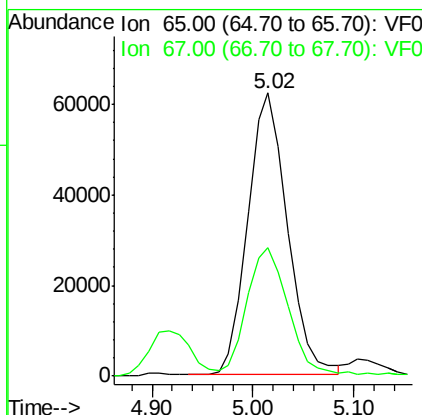
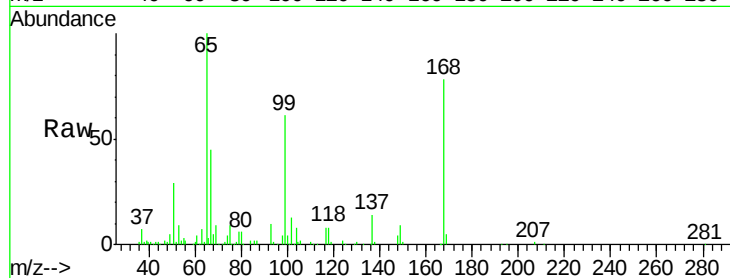
#33
 1,2-Dichloroethane-d4
 Concen: 53.61 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	170195		
67	45.2	0.0	97.0	

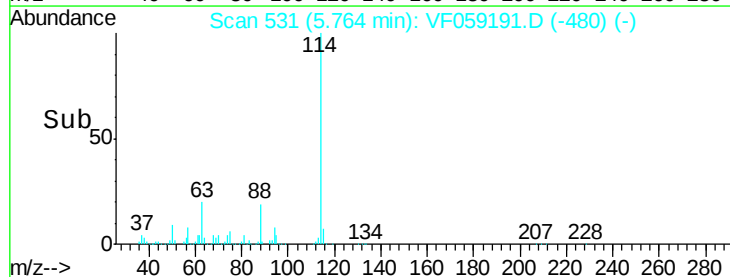
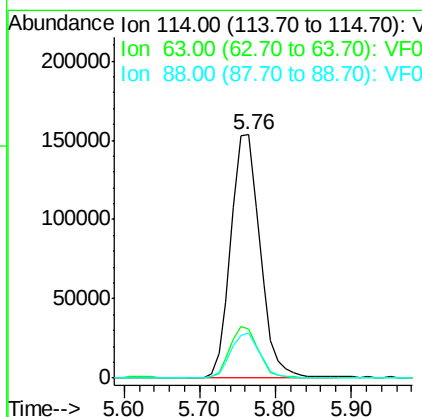
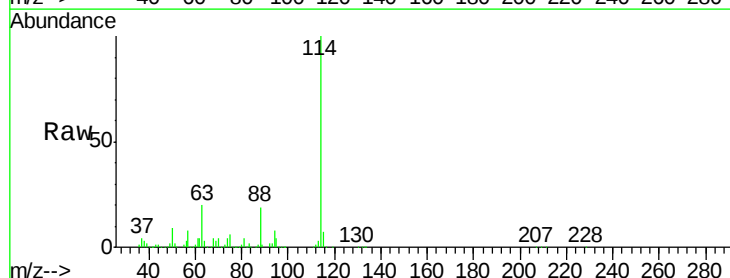
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	414448		
63	20.0	0.0	41.6	
88	18.7	0.0	38.8	





#35

Dibromofluoromethane

Concen: 50.62 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

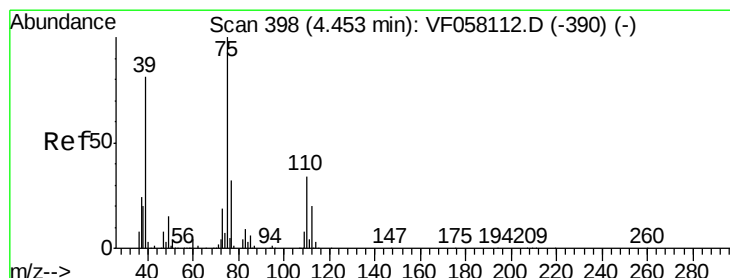
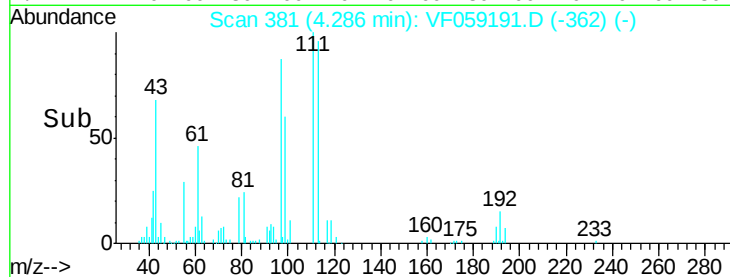
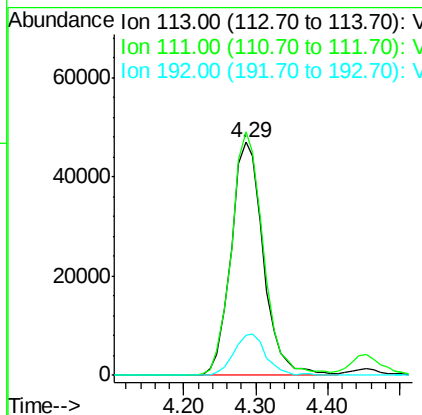
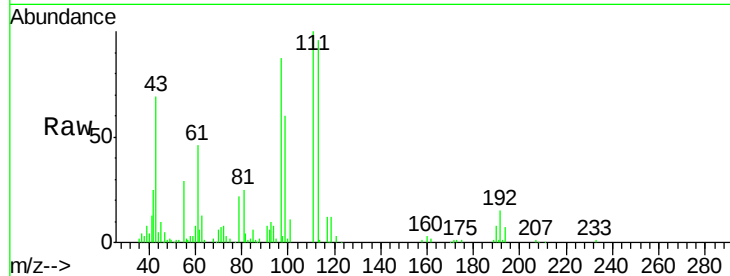
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	147210
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.3	121.9
192	17.3	12.7	19.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.63 ug/l

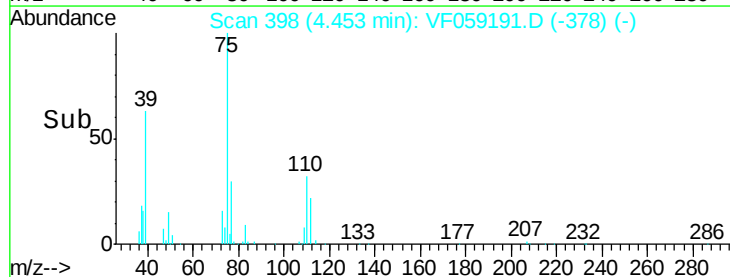
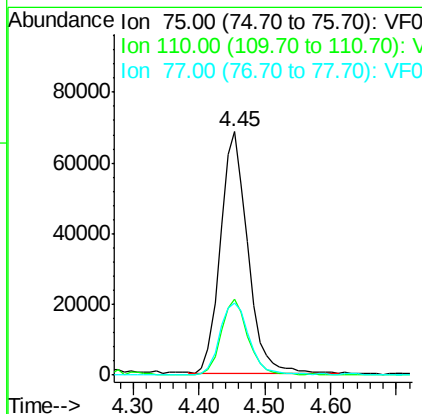
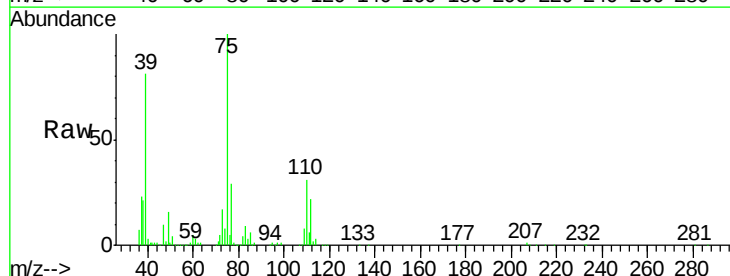
RT: 4.45 min Scan# 398

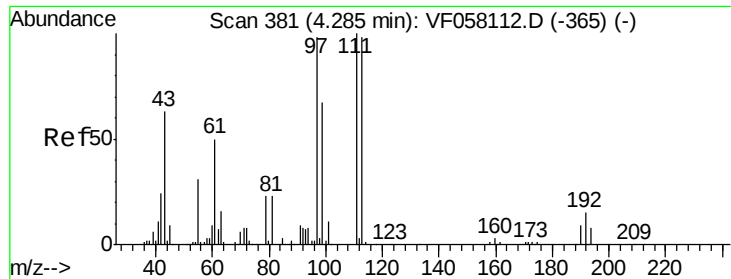
Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion:	75	Resp:	199375
Ion	Ratio	Lower	Upper
75	100		
110	31.3	17.0	50.9
77	29.4	25.3	37.9





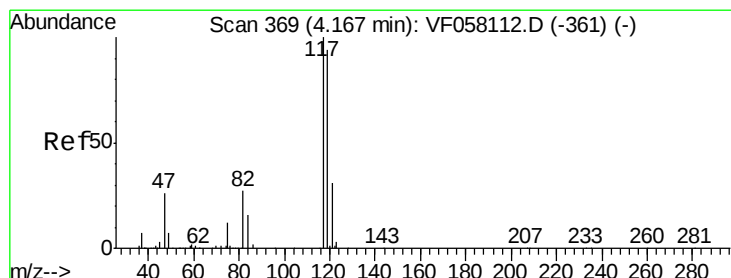
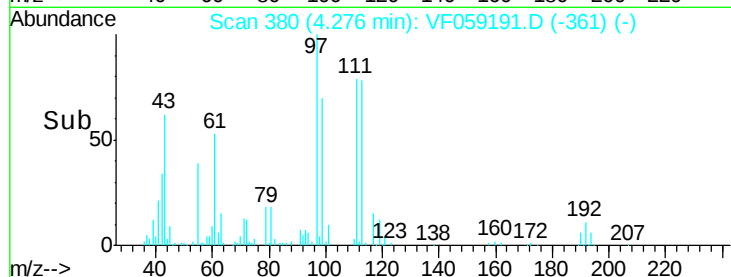
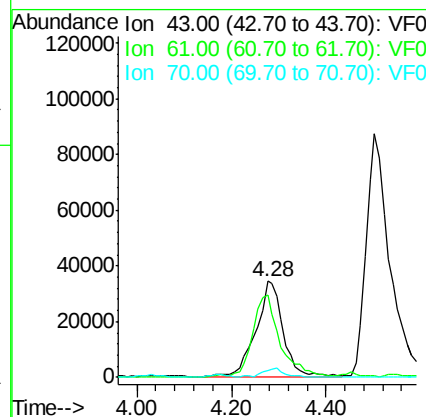
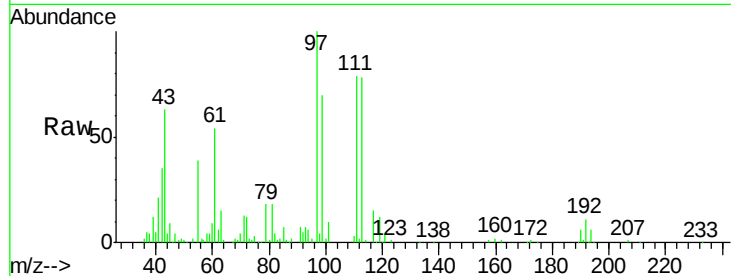
#37
Ethyl Acetate
Concen: 54.83 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	85.0	63.0	94.4
70	6.9	7.5	11.3#

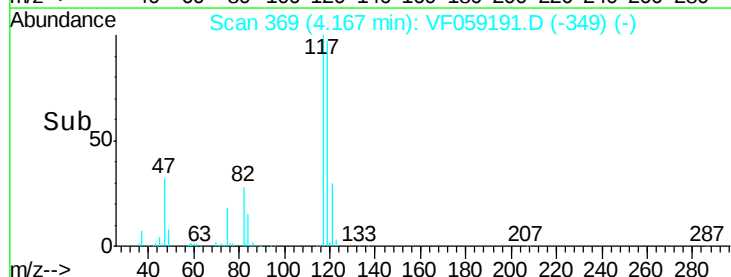
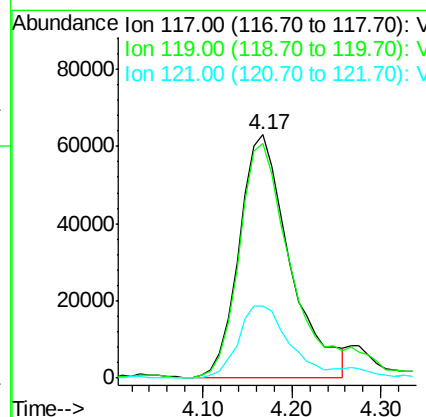
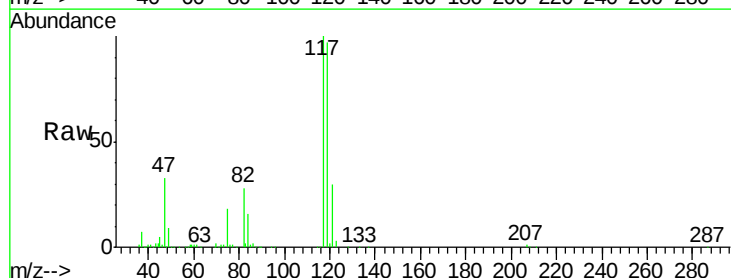
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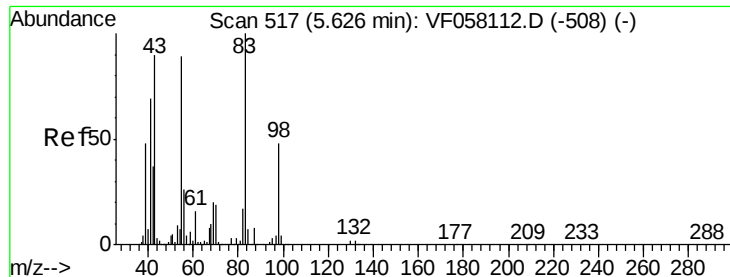
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#38
Carbon Tetrachloride
Concen: 57.37 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.7	113.5
121	29.6	24.8	37.2





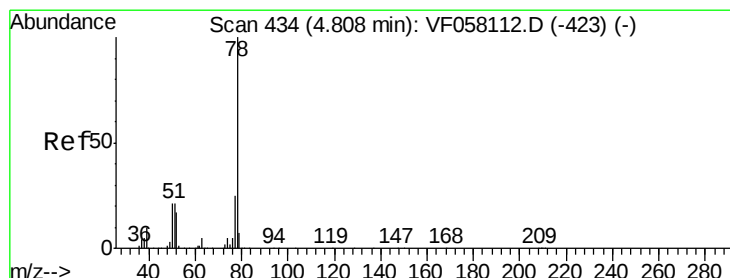
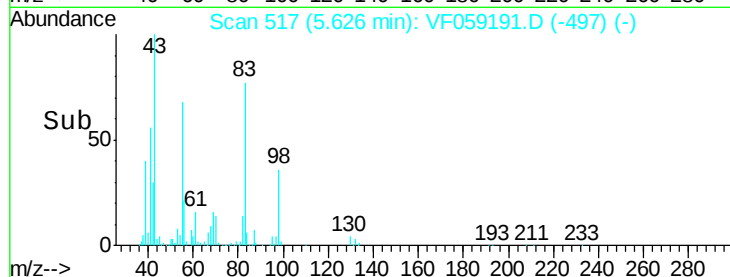
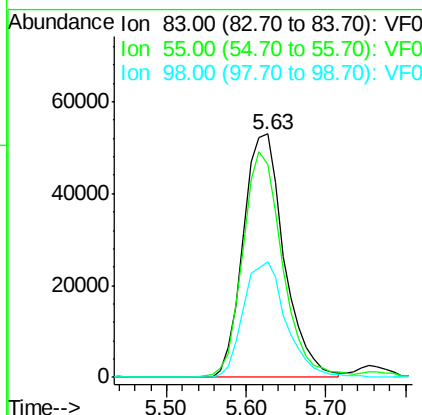
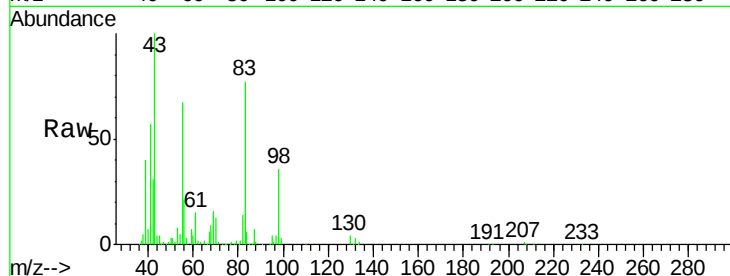
#39
Methvlcvclohexane
Concen: 45.98 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	71.0	106.4
98	47.2	38.1	57.1

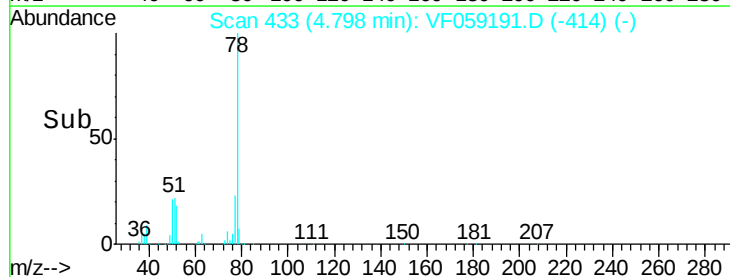
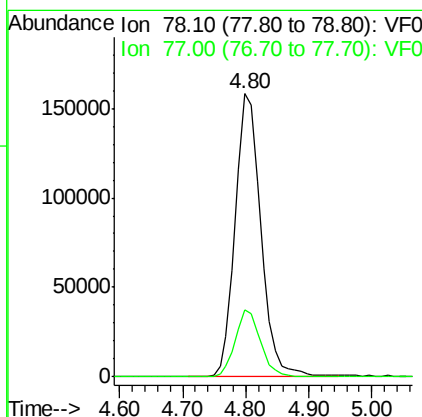
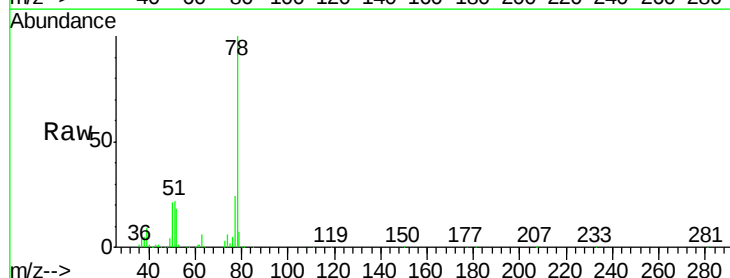
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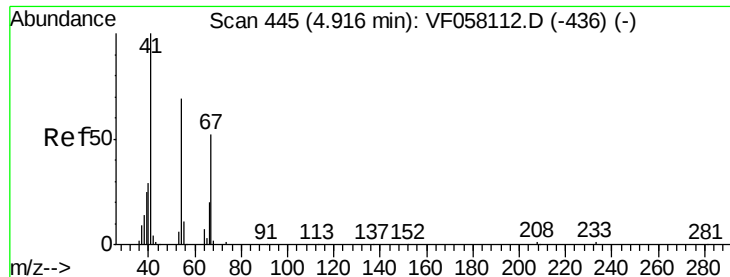
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#40
Benzene
Concen: 47.84 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	20.2	30.2





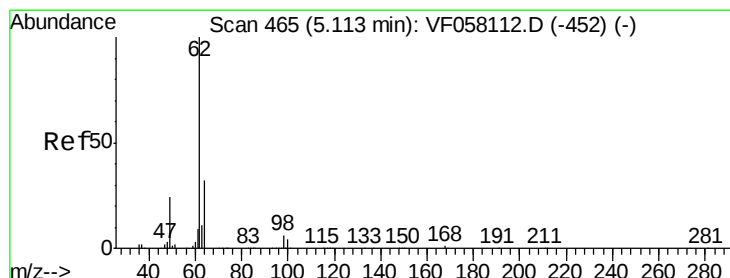
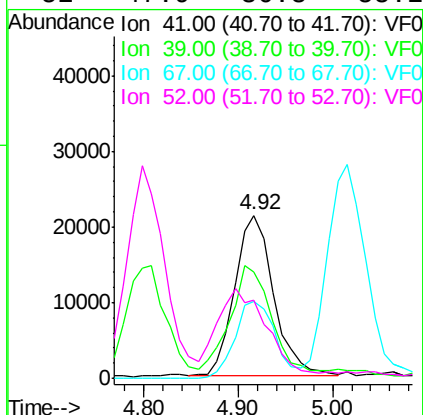
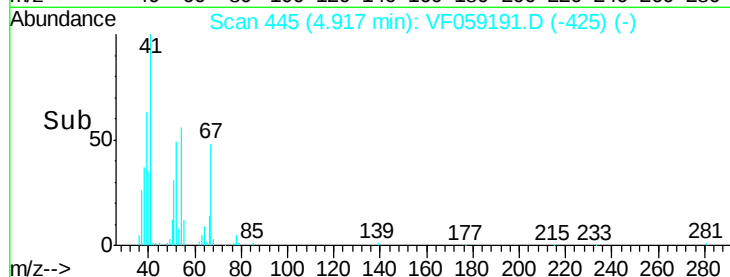
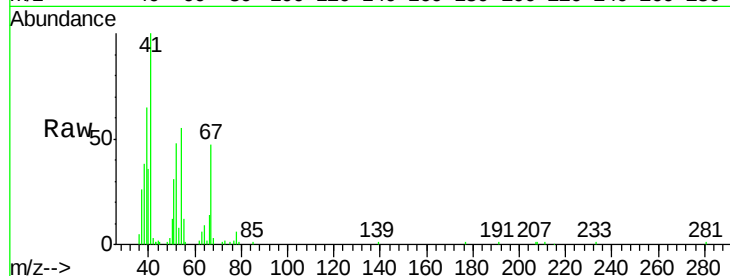
#41
Methacrylonitrile
Concen: 50.13 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		61137		
39	65.2	53.0	79.4		
67	46.9	41.0	61.6		
52	47.9	36.8	55.2		

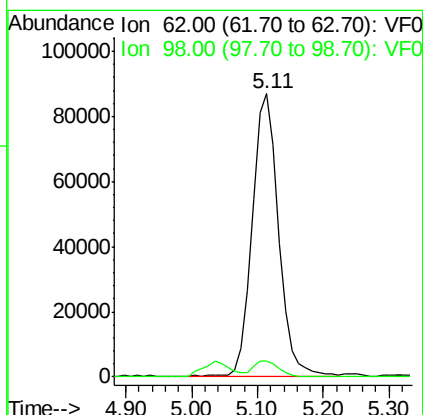
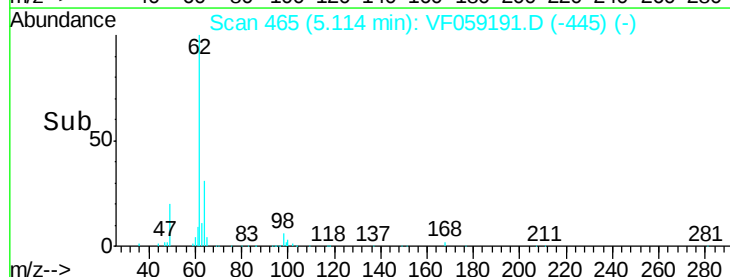
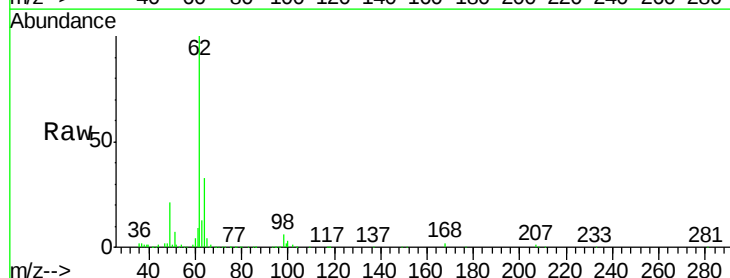
Manual Integrations
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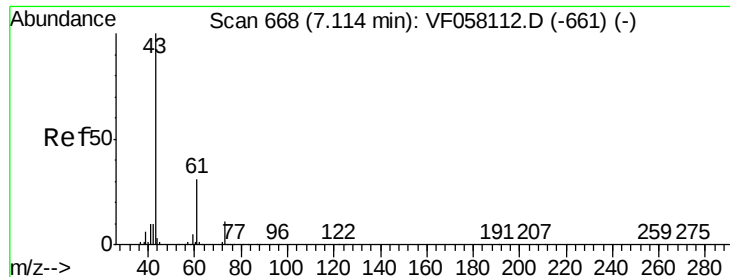
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#42
1,2-Dichloroethane
Concen: 58.88 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		246216		
98	5.7	0.0	11.8		





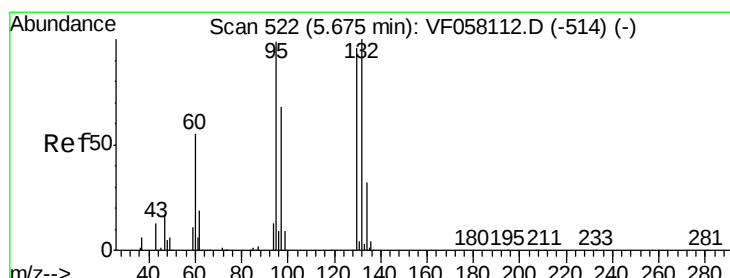
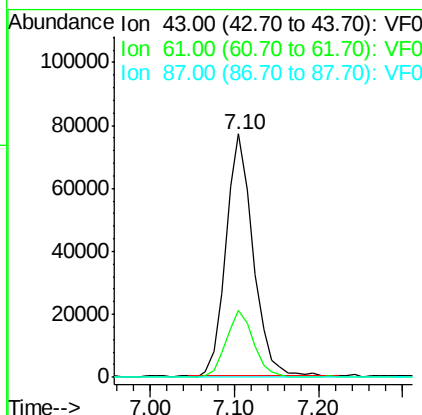
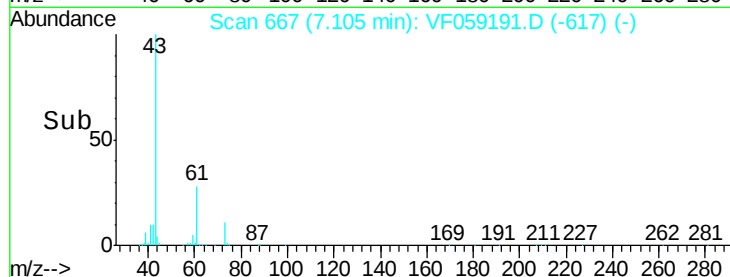
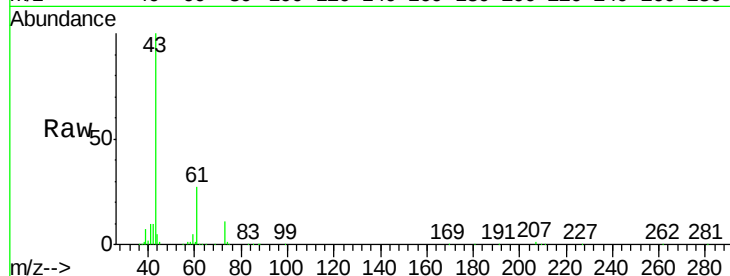
#43
Isopropyl Acetate
Concen: 51.89 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	25.1	37.7
87	0.4	0.2	0.4#

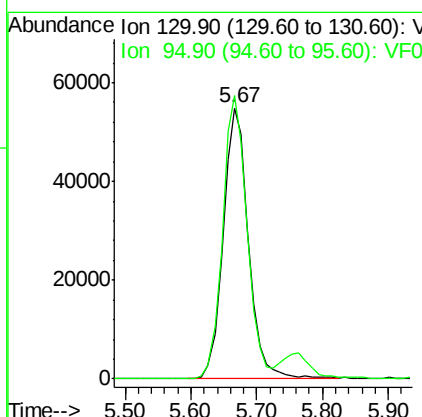
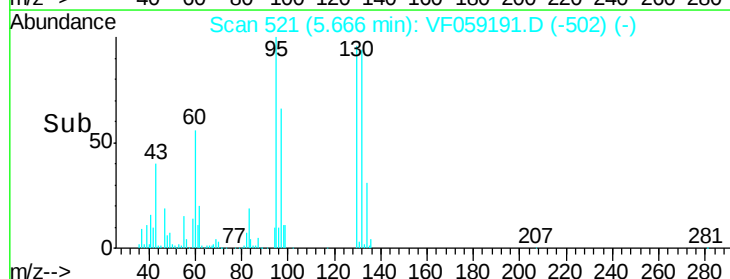
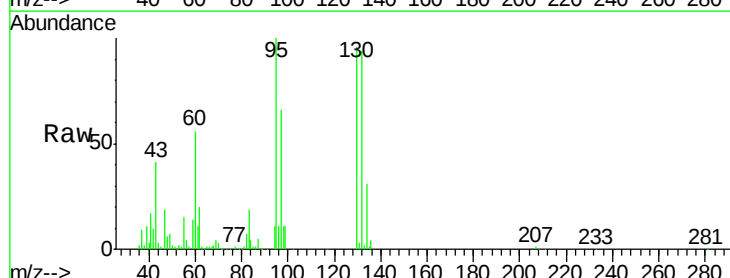
Manual Integrations
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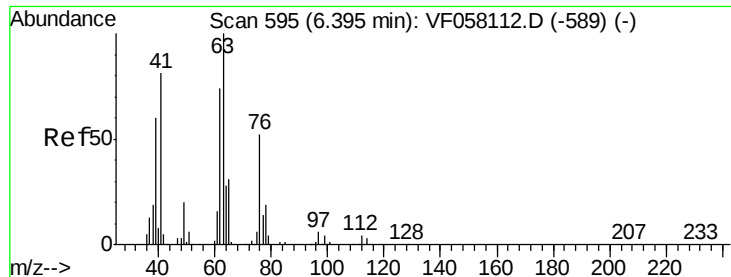
apatel
6/20/2018 10:11:31 AM



#44
Trichloroethene
Concen: 50.47 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	206.8





#45

1,2-Dichloropropane

Concen: 47.10 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 126621

Ion Ratio Lower Upper

63 100

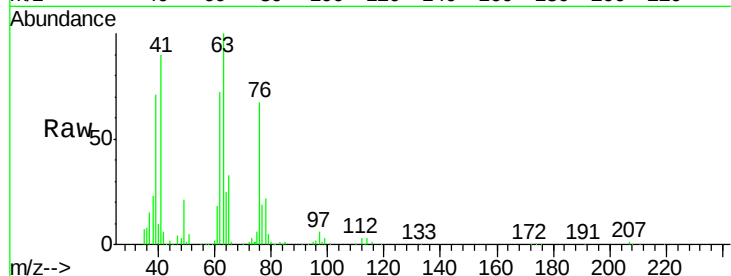
65 32.8 24.6 37.0

Manual Integrations

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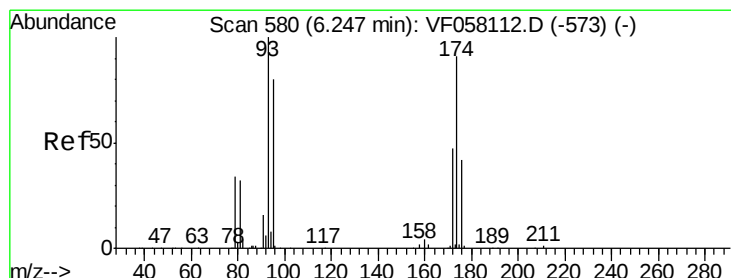
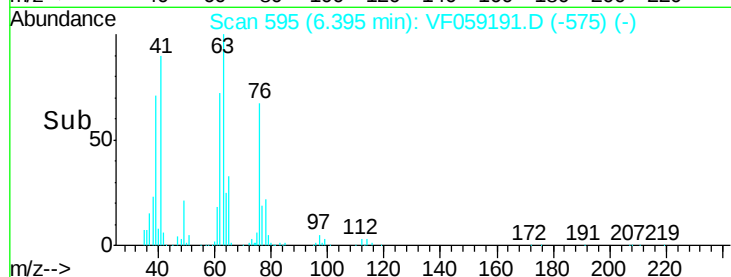
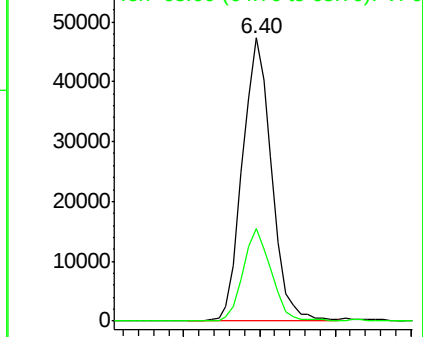
apatel

6/20/2018 10:11:31 AM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 52.90 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

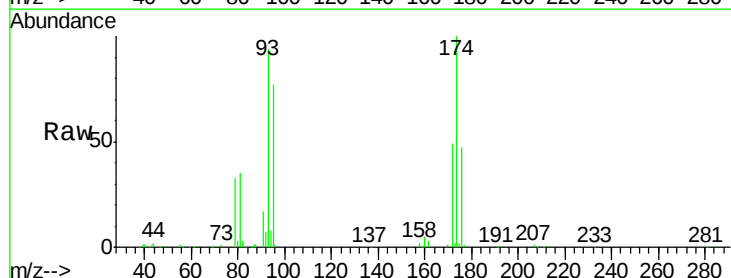
Tgt Ion: 93 Resp: 107005

Ion Ratio Lower Upper

93 100

95 81.9 64.2 96.4

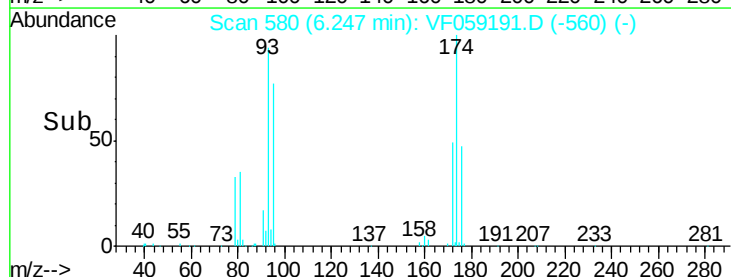
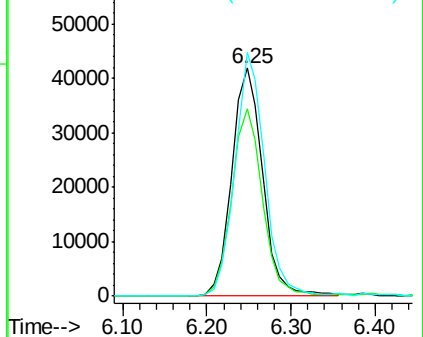
174 106.8 72.7 109.1

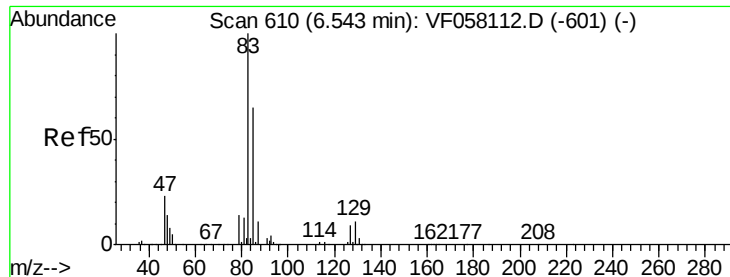


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 55.43 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

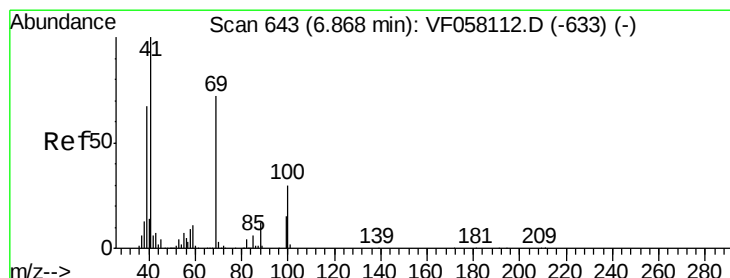
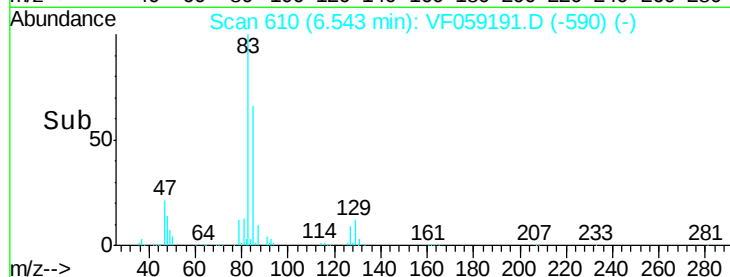
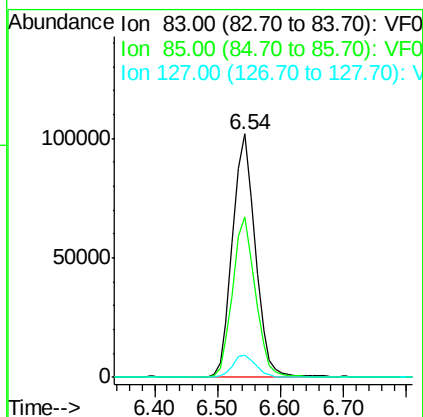
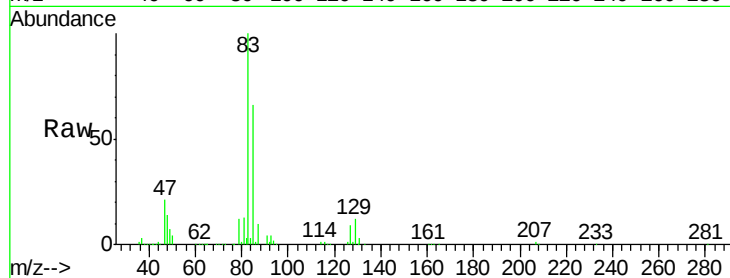
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	255061
Ion Ratio	Lower	Upper	
83	100		
85	65.9	51.6	77.4
127	8.9	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.45 ug/l

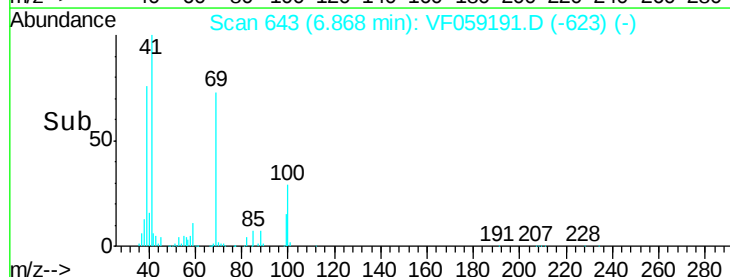
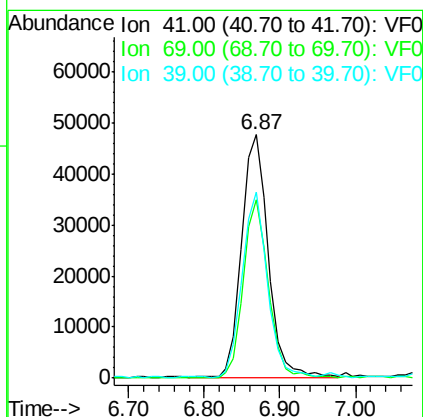
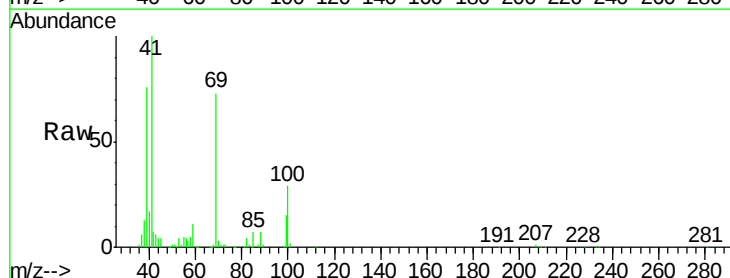
RT: 6.87 min Scan# 643

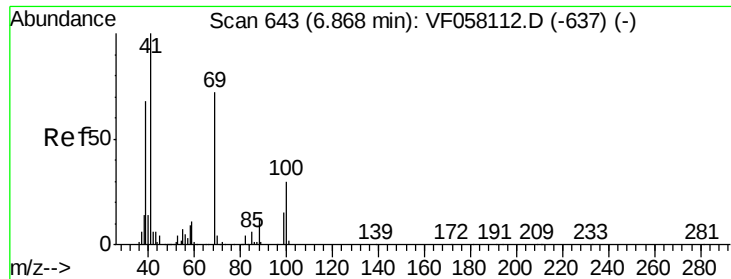
Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion:	41	Resp:	117725
Ion Ratio	Lower	Upper	
41	100		
69	73.2	57.2	85.8
39	76.3	54.3	81.5





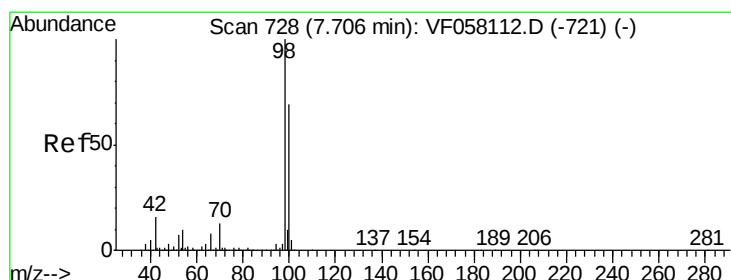
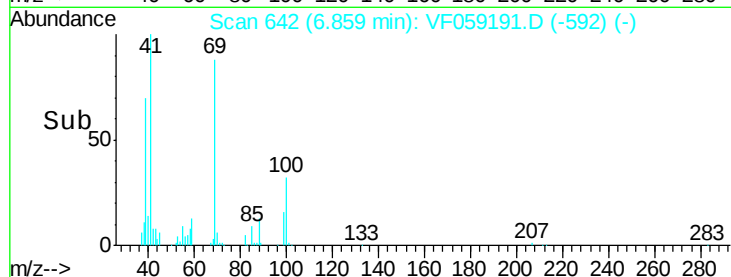
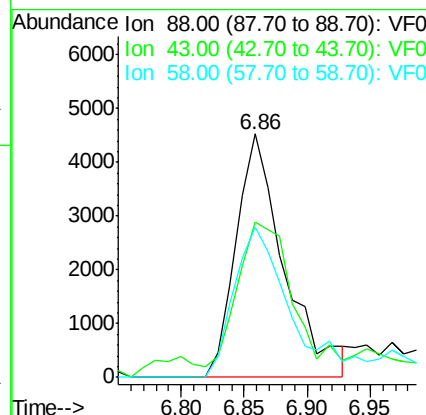
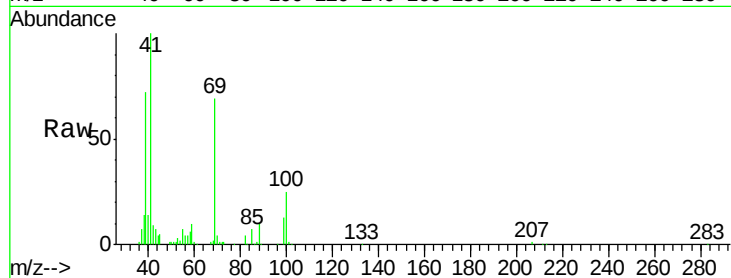
#49
1,4-Dioxane
Concen: 790.10 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	63.9	47.8	71.8
58	61.7	59.4	89.0

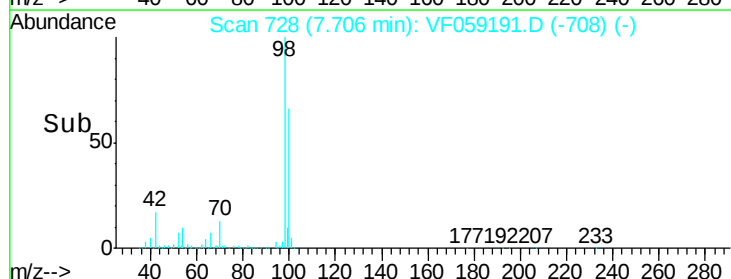
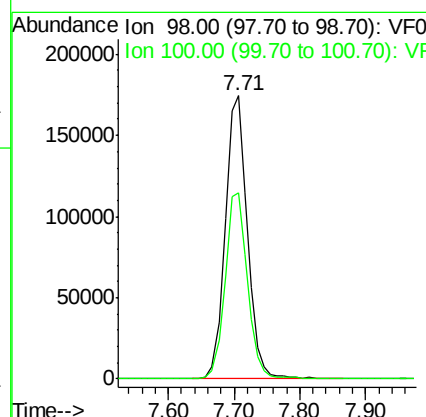
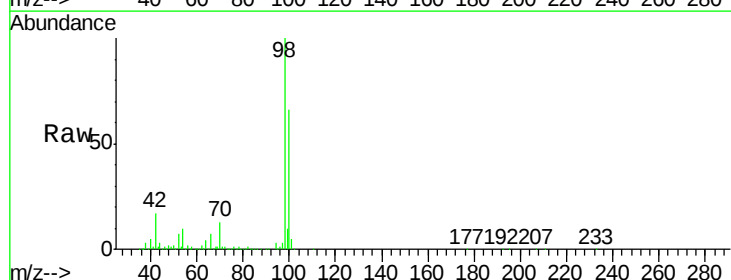
Manual Integrations
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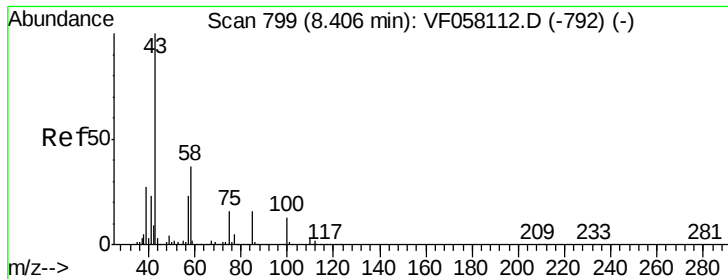
apatel
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#50
Toluene-d8
Concen: 47.99 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 254.56 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 579991

Ion Ratio Lower Upper

43 100

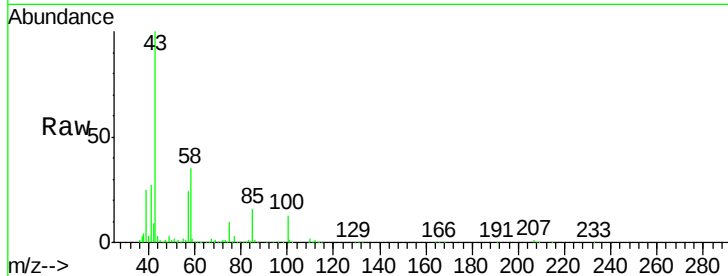
58 34.9 29.4 44.0

Manual Integrations

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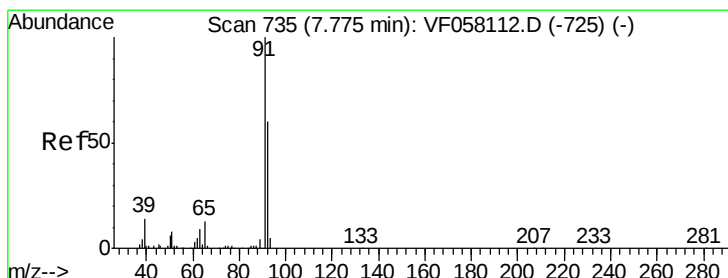
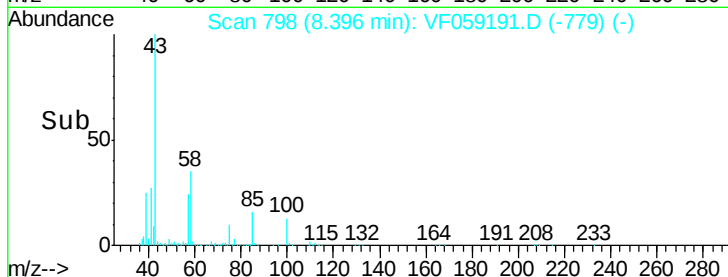
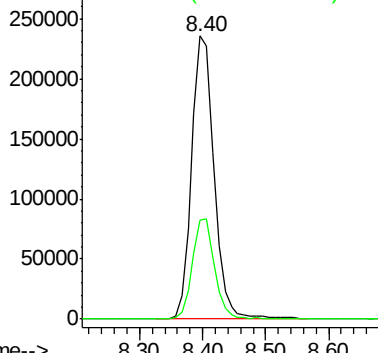
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 48.30 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059191.D

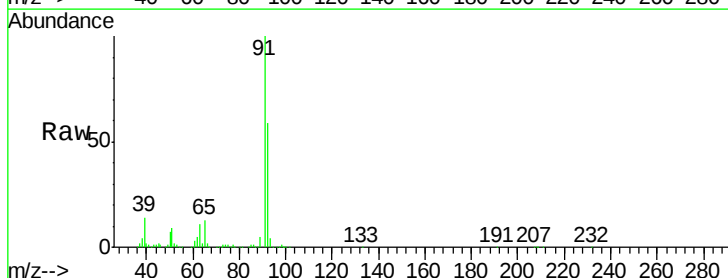
Acq: 19 Jun 2018 16:01

Tgt Ion: 92 Resp: 324386

Ion Ratio Lower Upper

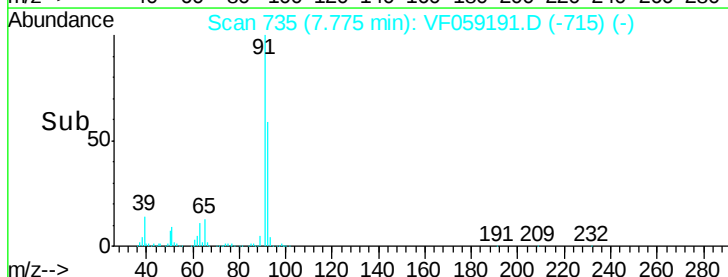
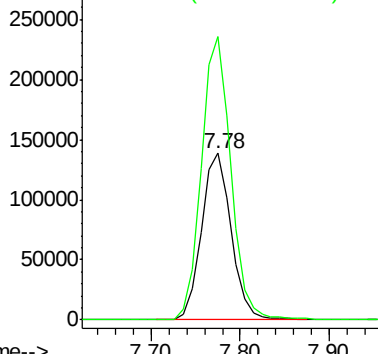
92 100

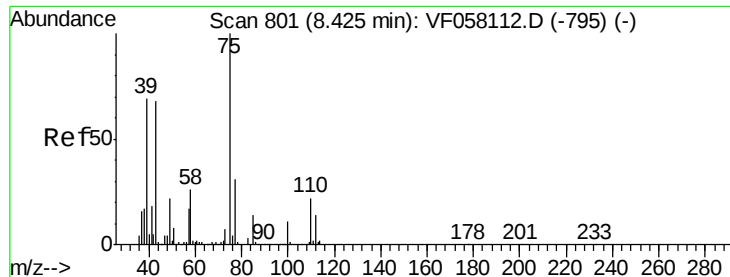
91 169.8 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 53.55 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 238674

Ion Ratio Lower Upper

75 100

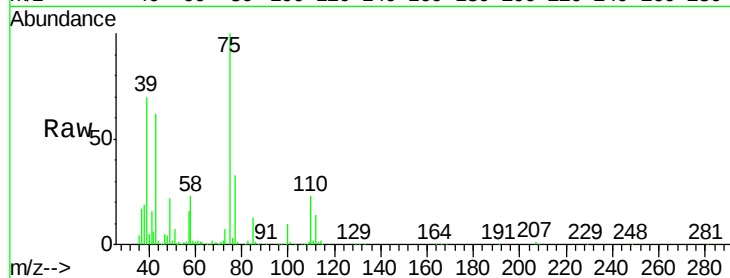
77 33.2 25.1 37.7

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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

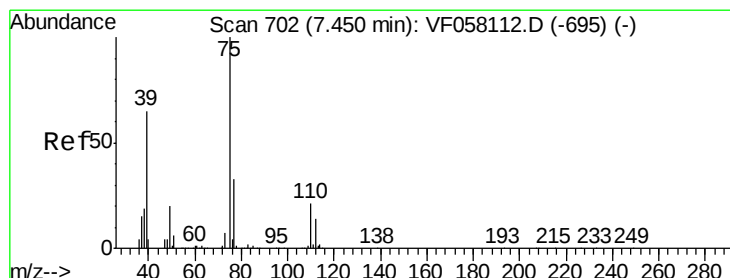
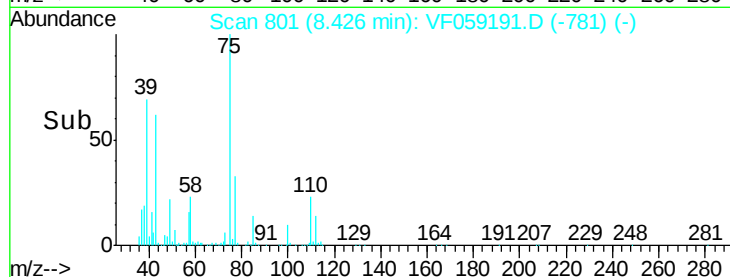
40000

20000

0

8.20 8.40 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.52 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

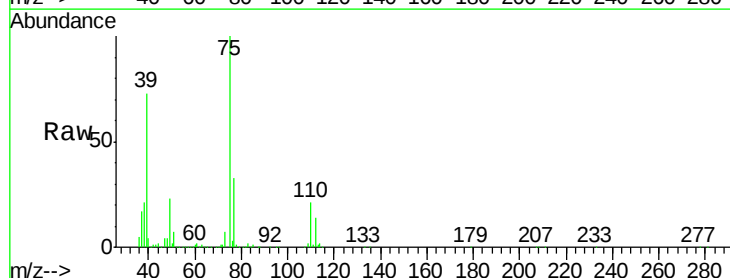
Tgt Ion: 75 Resp: 253496

Ion Ratio Lower Upper

75 100

77 33.3 26.3 39.5

39 72.9 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

7.45

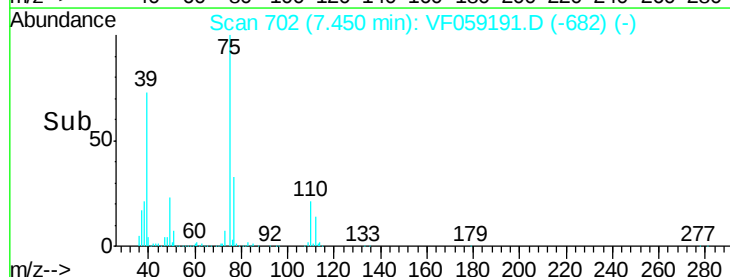
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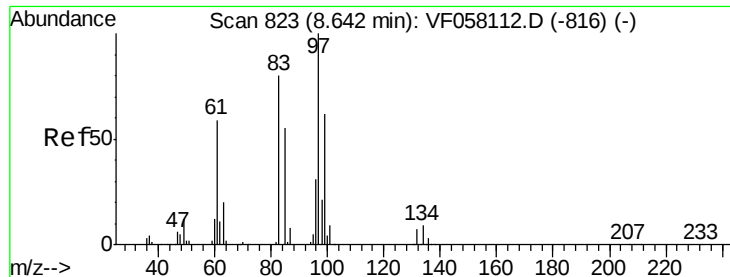
50000

0

7.30 7.40 7.50 7.60

Time-->





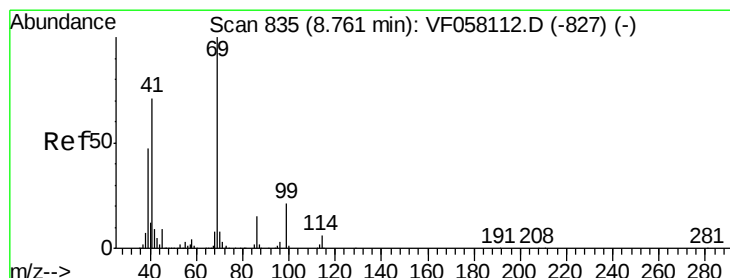
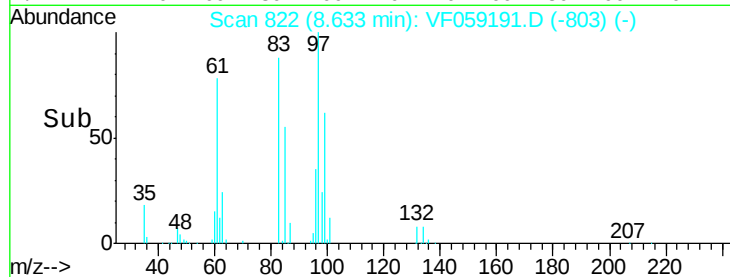
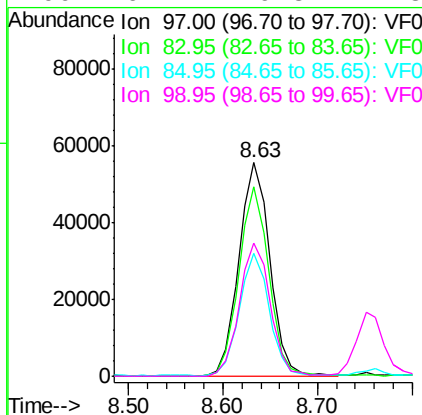
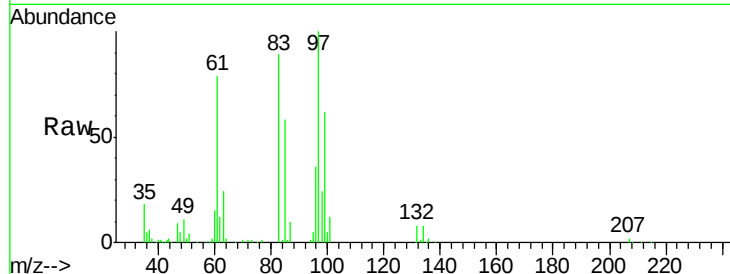
#55
 1,1,2-Trichloroethane
 Concen: 51.89 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		126278		
83	88.7	64.3	96.5		
85	57.8	43.8	65.8		
99	62.4	49.8	74.8		

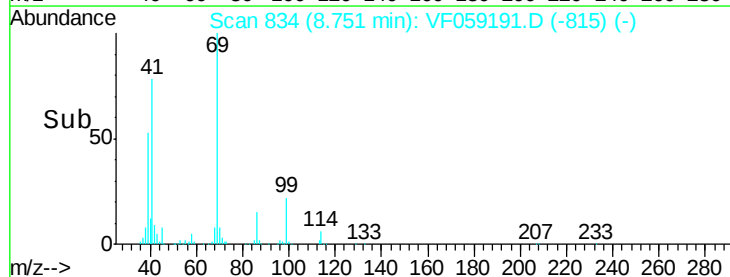
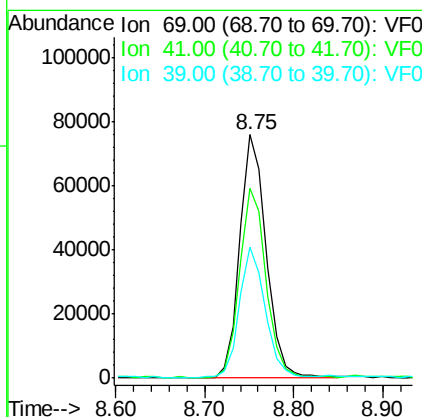
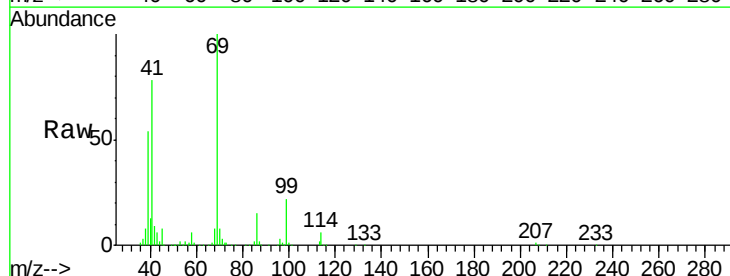
Manual Integrations
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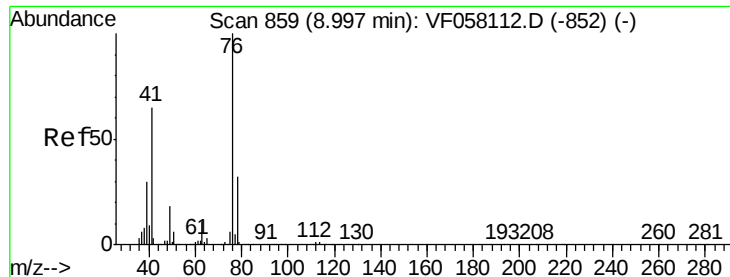
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#56
 Ethyl methacrylate
 Concen: 51.14 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		156881		
41	78.1	56.9	85.3		
39	53.7	38.0	57.0		





#57

1,3-Dichloropropane

Concen: 51.21 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 213186

Ion Ratio Lower Upper

76 100

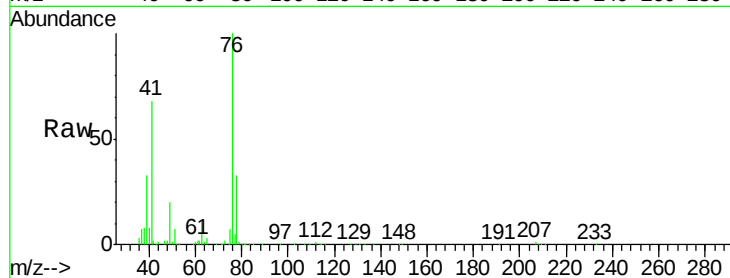
78 32.7 25.8 38.6

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

100000

80000

60000

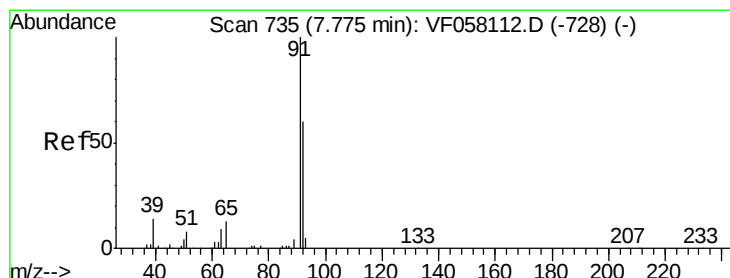
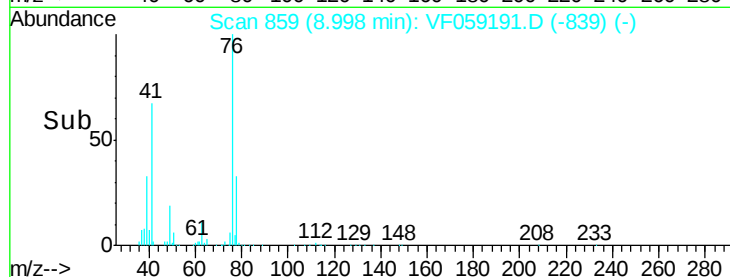
40000

20000

0

8.90 9.00 9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 259.71 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059191.D

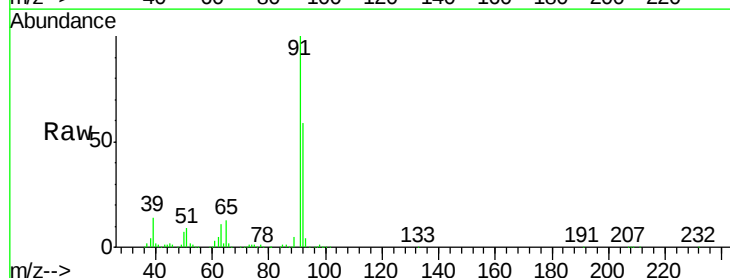
Acq: 19 Jun 2018 16:01

Tgt Ion: 63 Resp: 56968

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

30000

25000

20000

15000

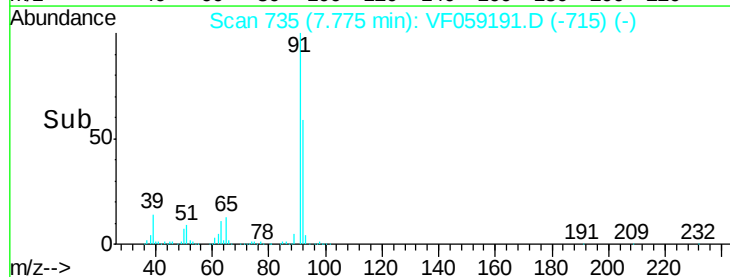
10000

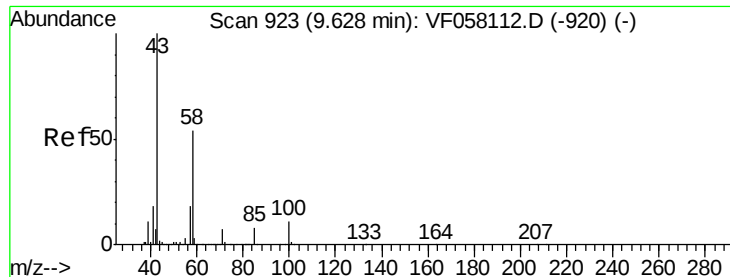
5000

0

7.60 7.70 7.80

Time-->





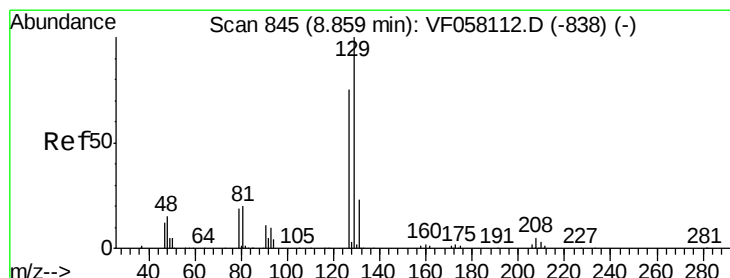
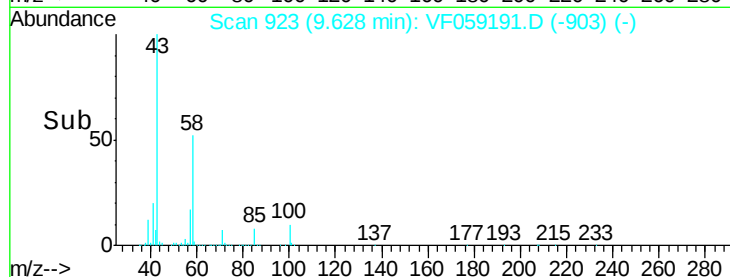
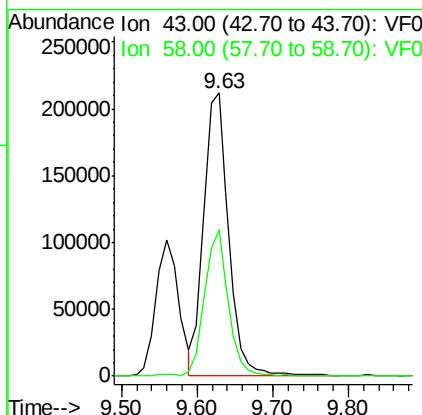
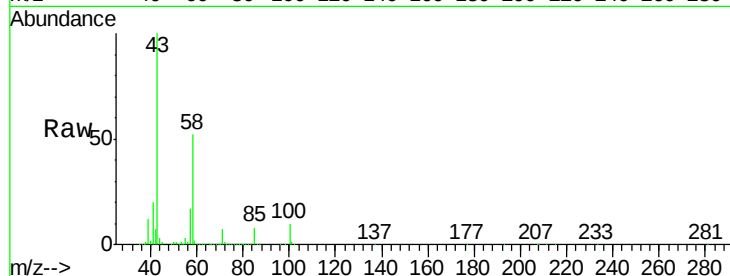
#59
2-Hexanone
Concen: 269.75 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	26.3	78.8

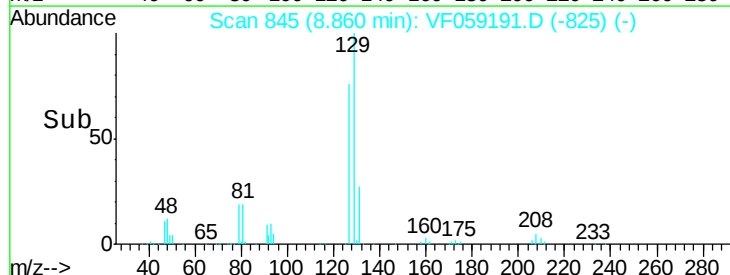
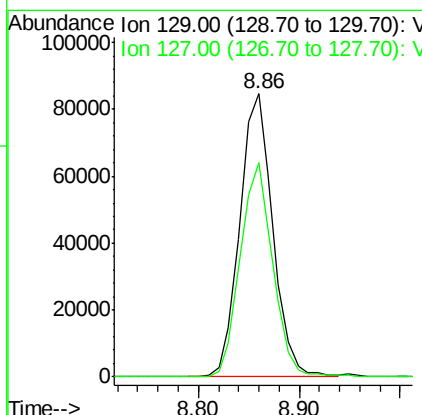
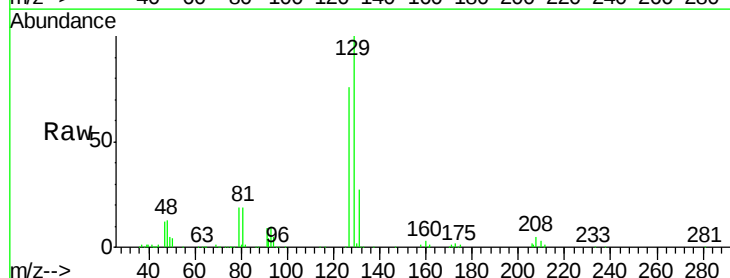
Manual Integrations
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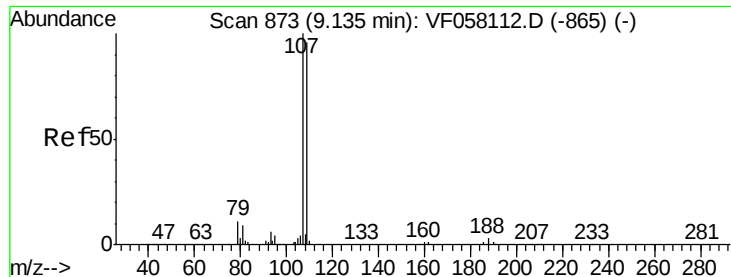
apatel
6/20/2018 10:11:31 AM



#60
Dibromochloromethane
Concen: 55.02 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	37.6	112.9





#61

1,2-Dibromoethane

Concen: 53.83 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 152225

Ion Ratio Lower Upper

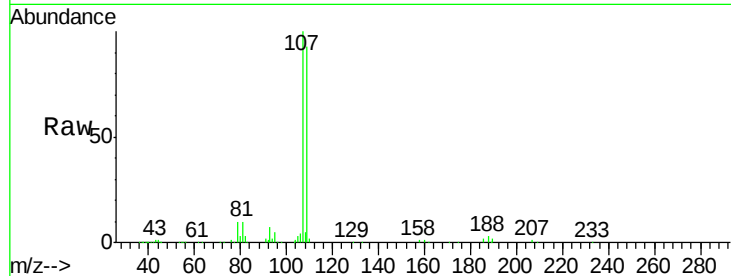
107 100

109 93.3 76.6 115.0

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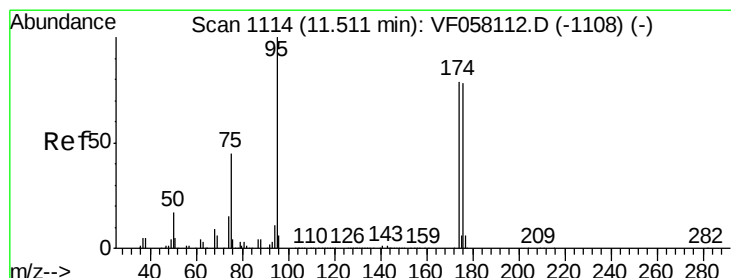
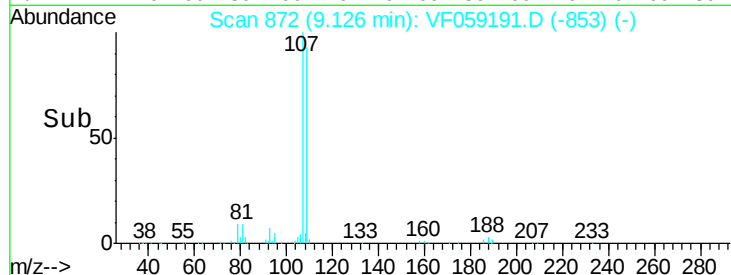
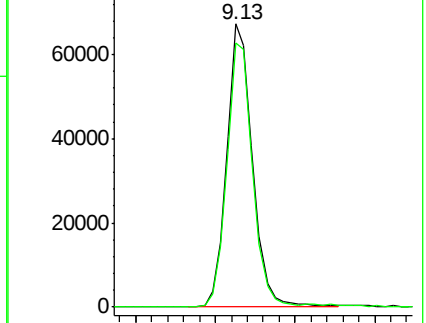
apatel

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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: 46.62 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

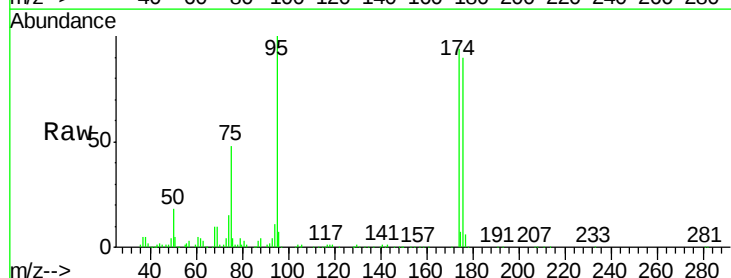
Tgt Ion: 95 Resp: 204264

Ion Ratio Lower Upper

95 100

174 93.9 0.0 157.8

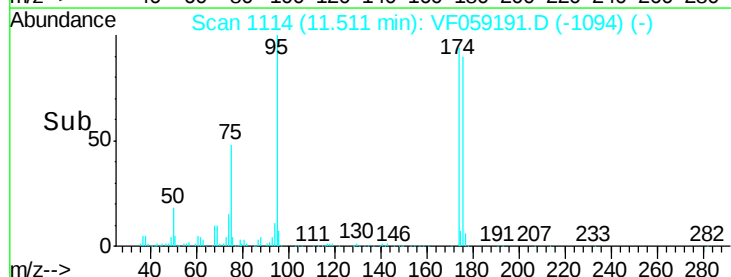
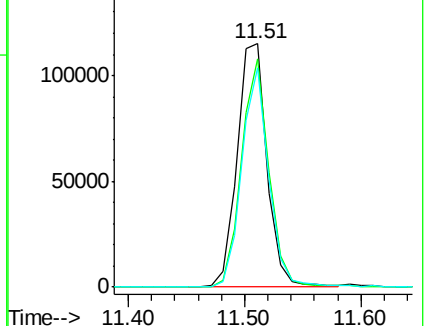
176 90.0 0.0 155.8

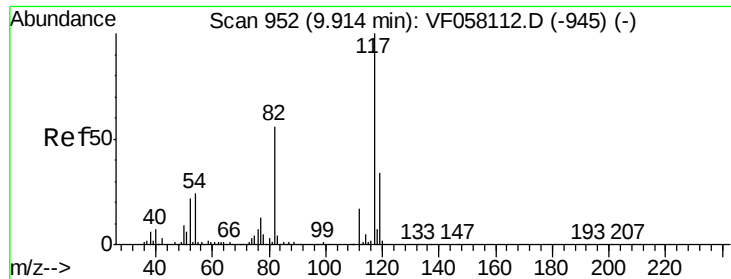


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





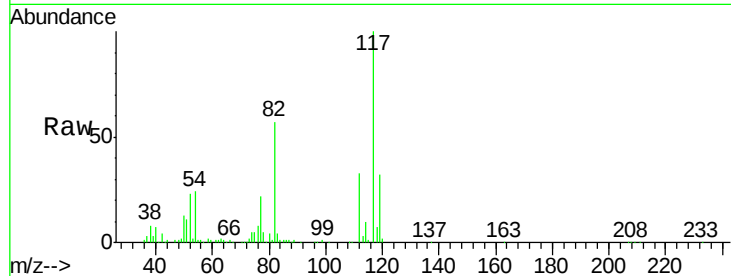
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.2	67.8
119	32.2	27.5	41.3

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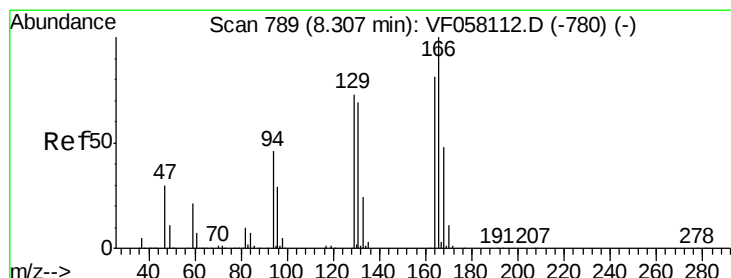
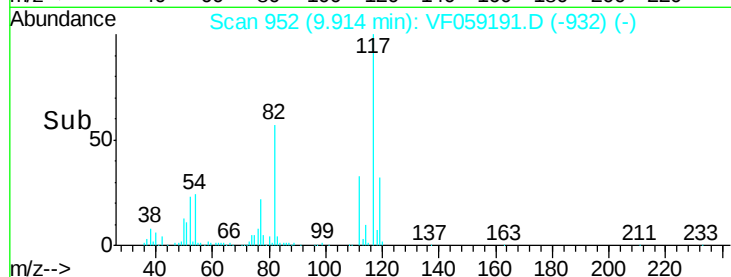
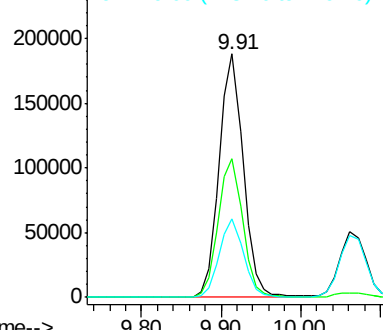


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 53.24 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	98.2	147.4
129	91.2	71.6	107.4
131	92.8	67.8	101.6

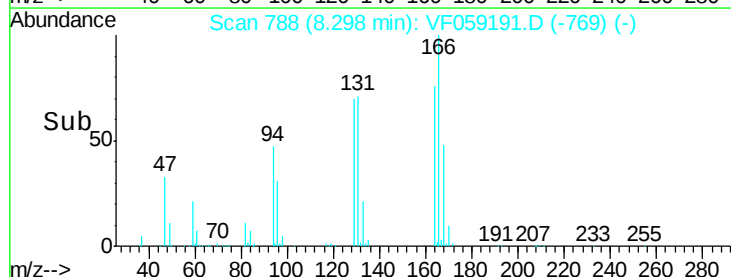
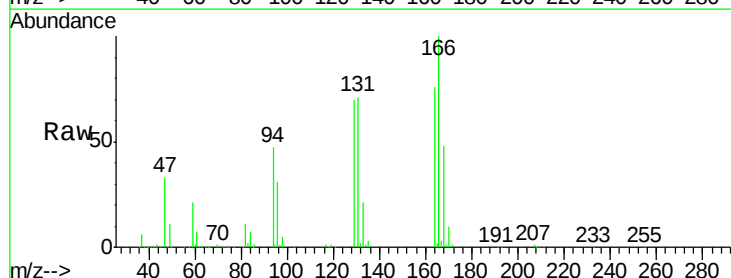
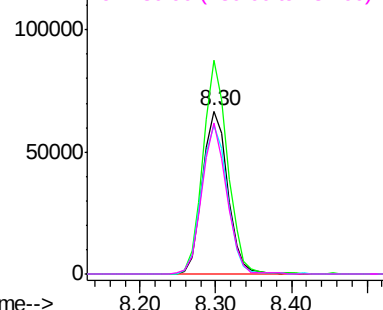
Abundance

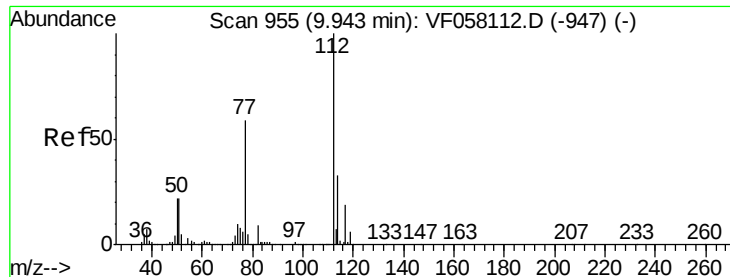
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





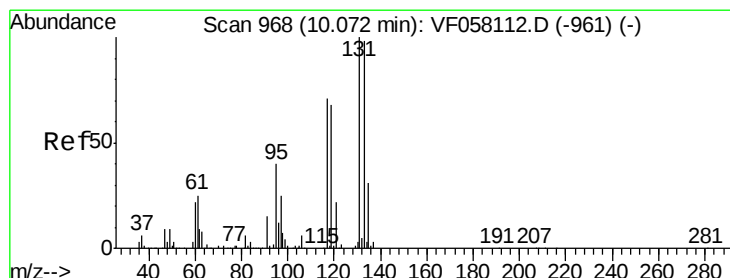
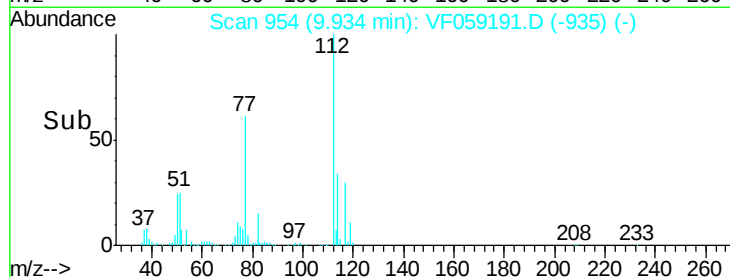
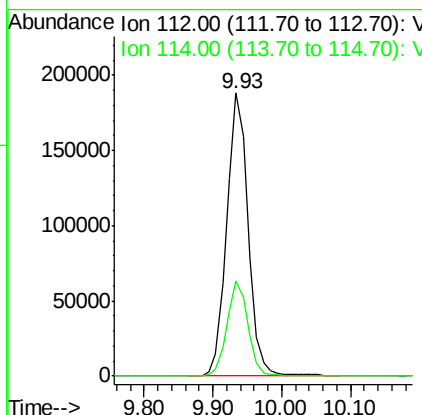
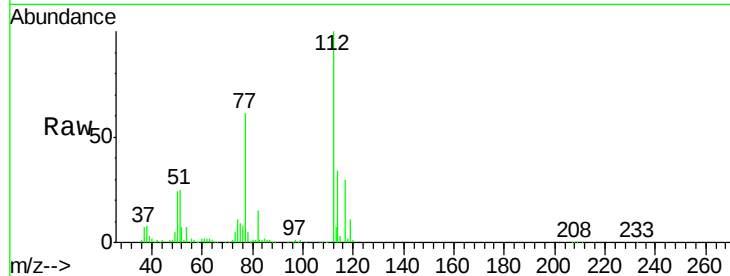
#65
Chlorobenzene
Concen: 52.07 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	405399		
114	33.5	26.2	39.4	

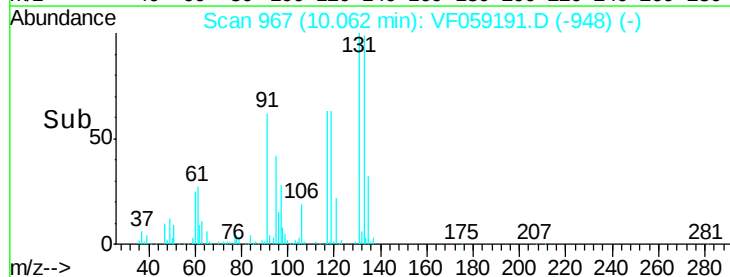
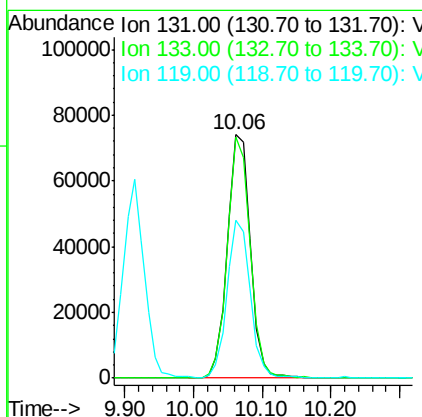
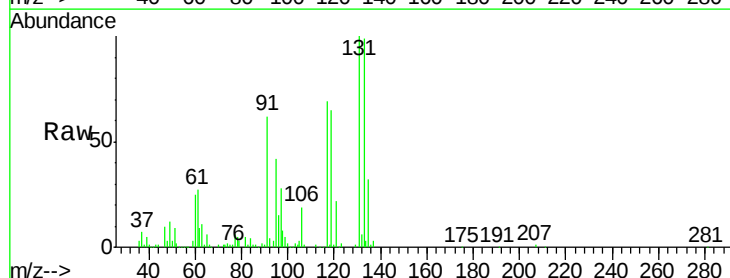
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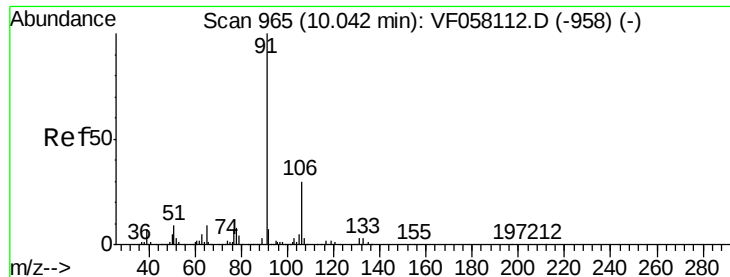
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.59 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	172141		
133	99.2	49.1	147.4	
119	64.9	34.3	102.8	





#67

Ethyl Benzene

Concen: 51.47 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 696312

Ion Ratio Lower Upper

91 100

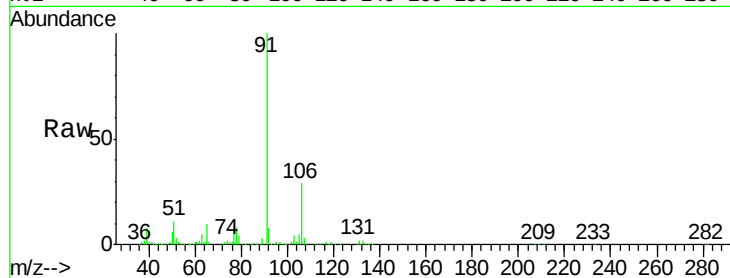
106 29.2 24.2 36.4

Manual Integrations

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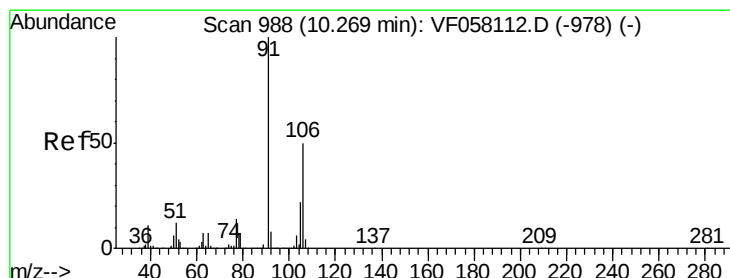
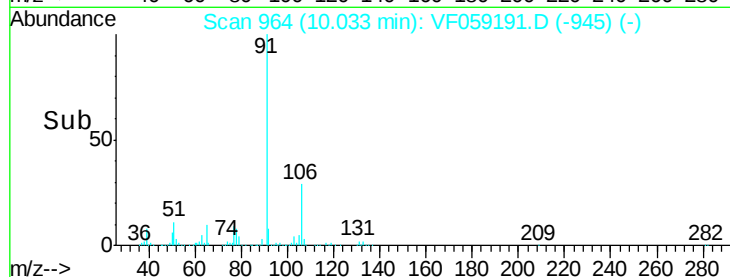
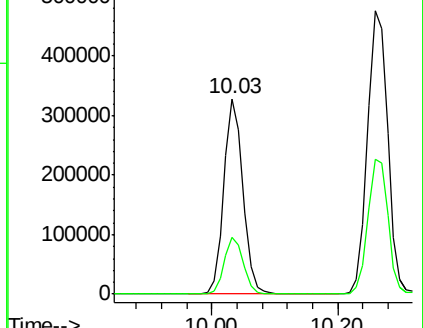
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.49 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059191.D

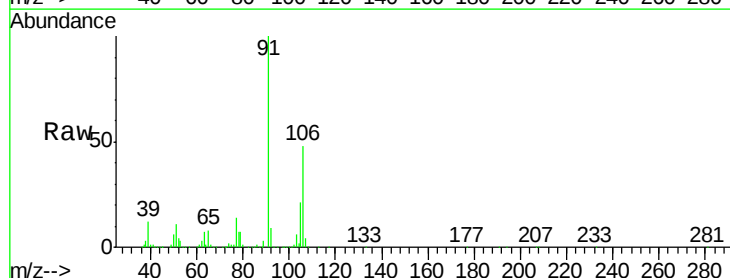
Acq: 19 Jun 2018 16:01

Tgt Ion: 106 Resp: 503886

Ion Ratio Lower Upper

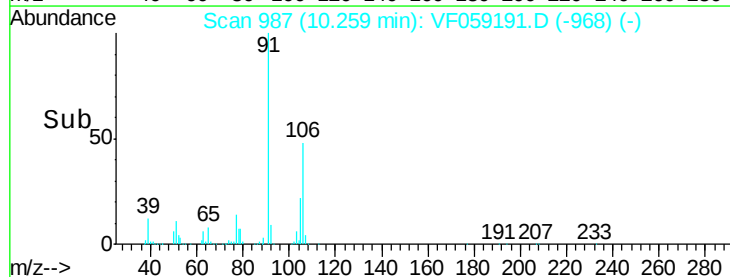
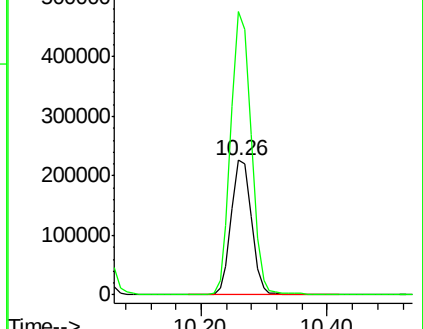
106 100

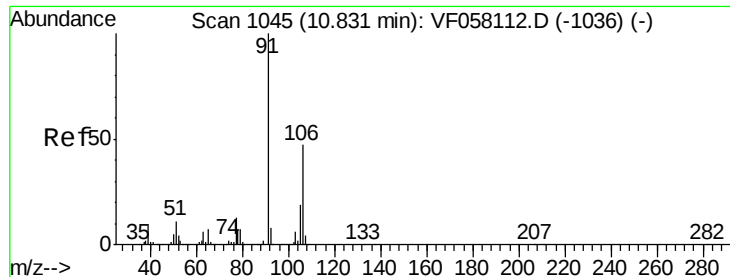
91 209.9 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





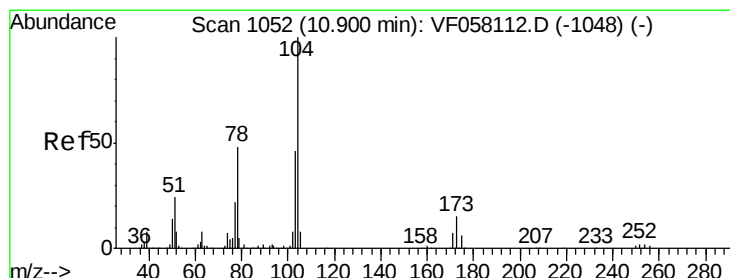
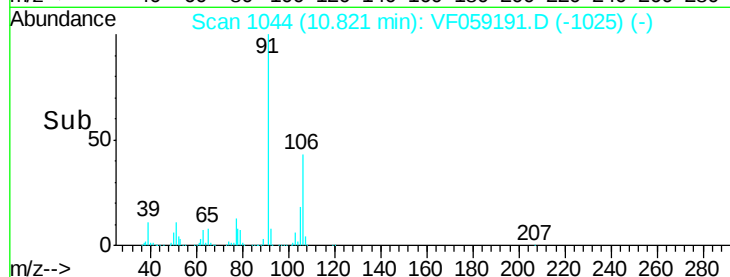
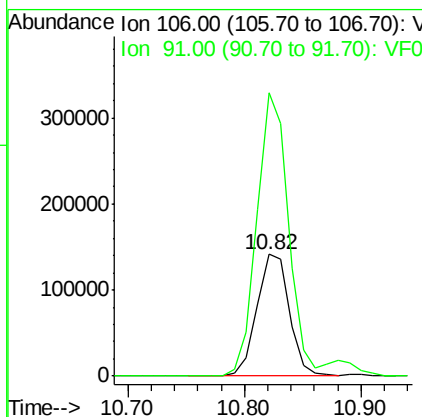
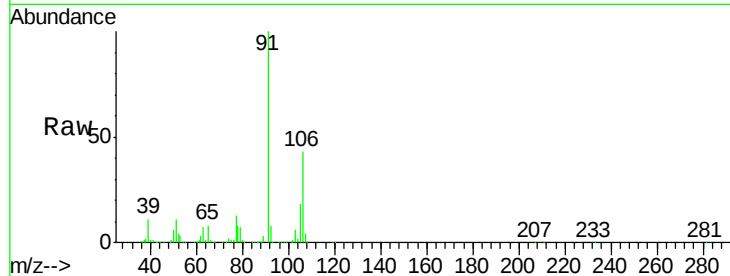
#69
o-Xylene
Concen: 50.10 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	232.5	107.0	321.0

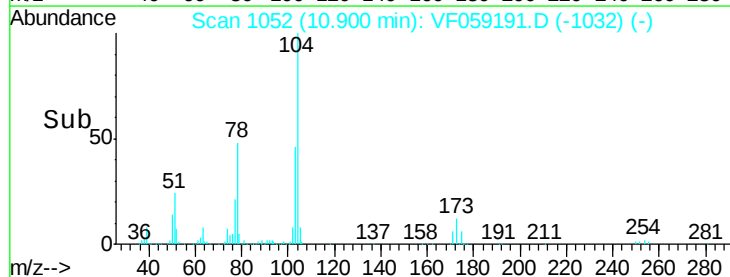
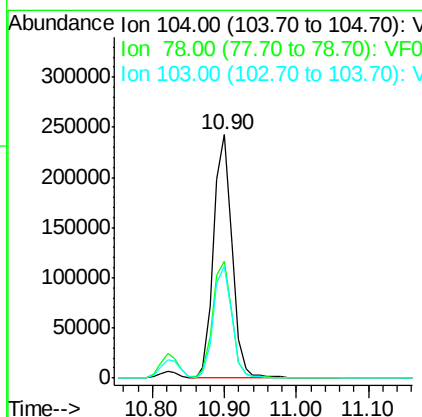
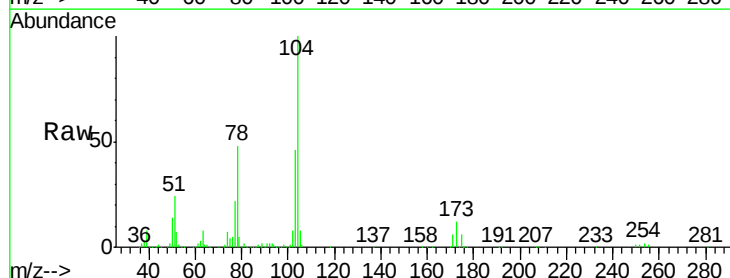
Manual Integrations
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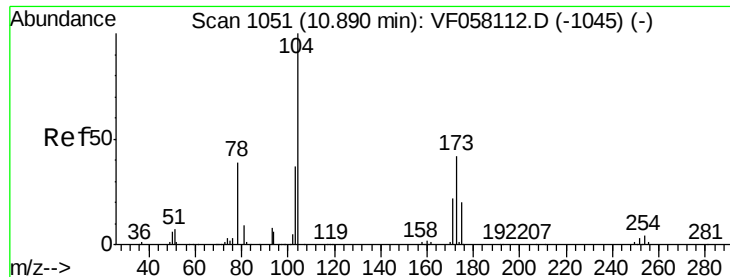
apatel
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#70
Styrene
Concen: 51.12 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.4	57.6
103	45.8	37.0	55.6





#71

Bromoform

Concen: 59.18 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 124456

Ion Ratio Lower Upper

173 100

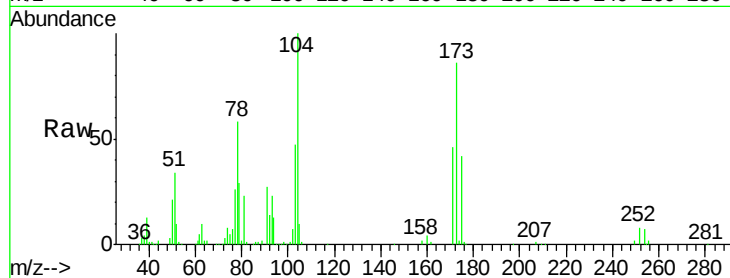
175 48.8 24.6 74.0

254 0.2 7.8 11.8#

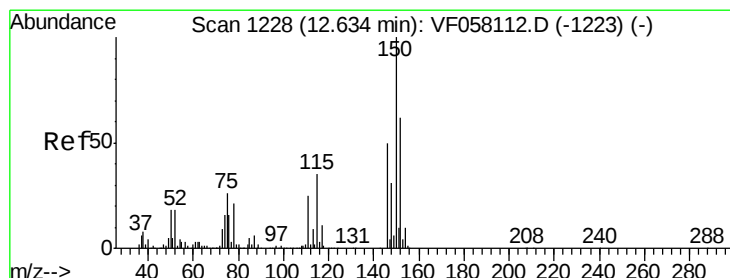
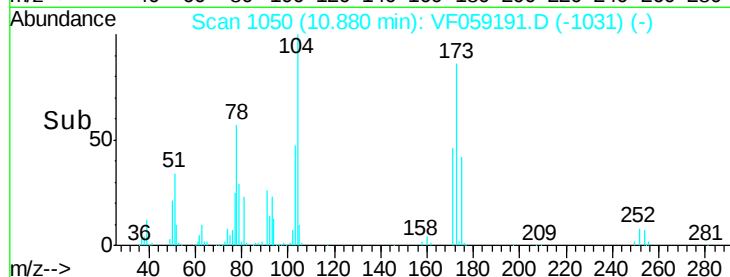
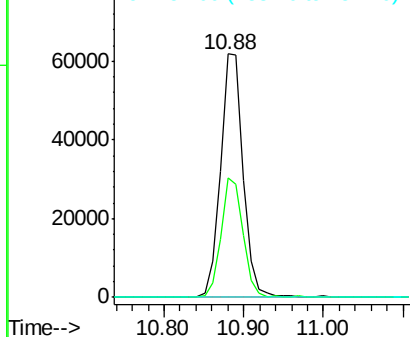
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

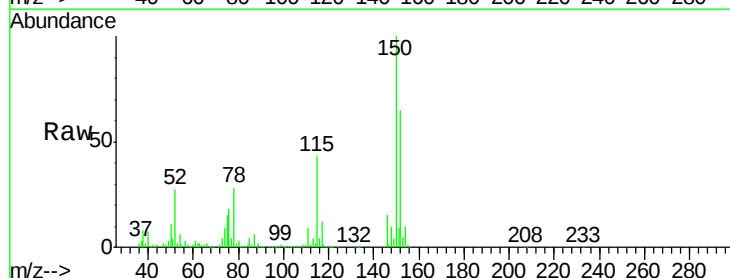
Tgt Ion:152 Resp: 231654

Ion Ratio Lower Upper

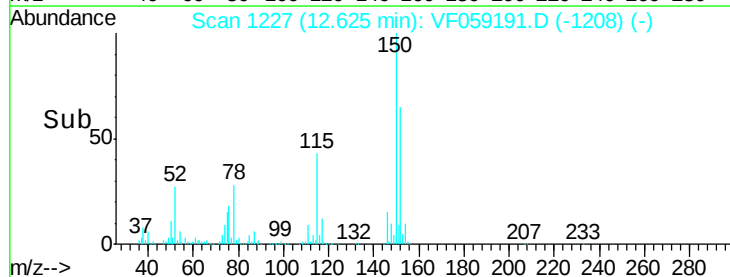
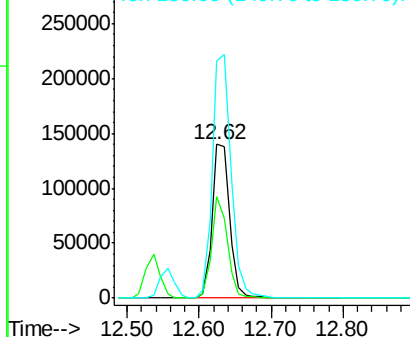
152 100

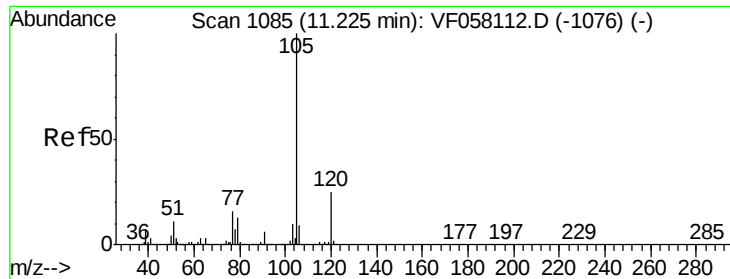
115 66.0 28.5 85.5

150 154.6 0.0 323.8



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





#73

Isopropylbenzene

Concen: 50.56 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 810852

Ion Ratio Lower Upper

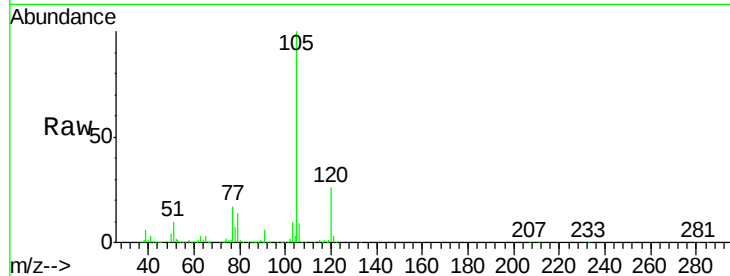
105 100

120 26.3 12.7 38.1

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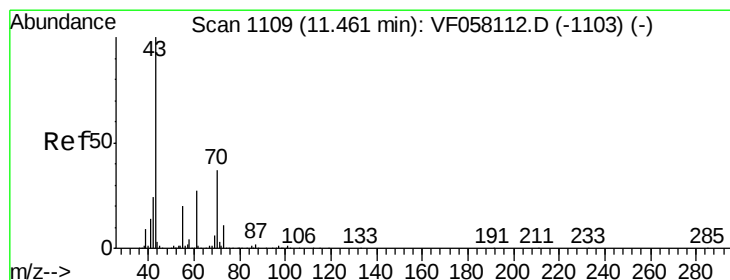
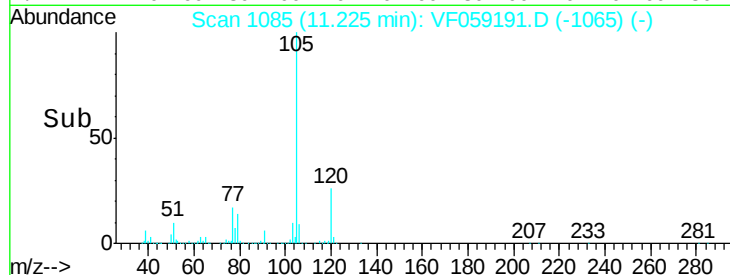
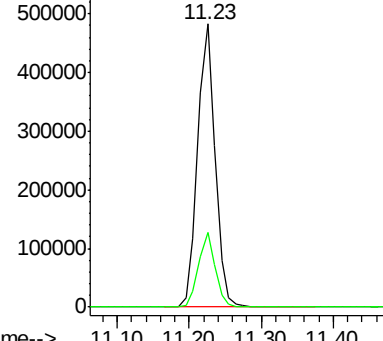
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.67 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion: 43 Resp: 278815

Ion Ratio Lower Upper

43 100

70 38.5 29.2 43.8

55 21.1 15.8 23.6

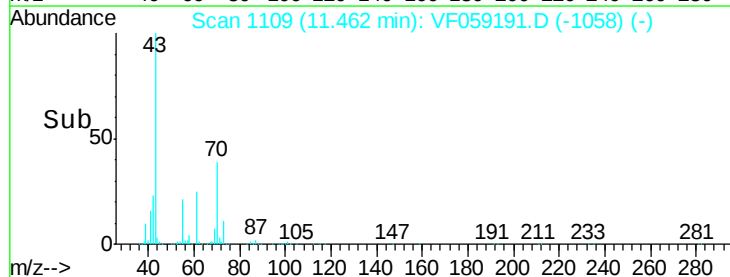
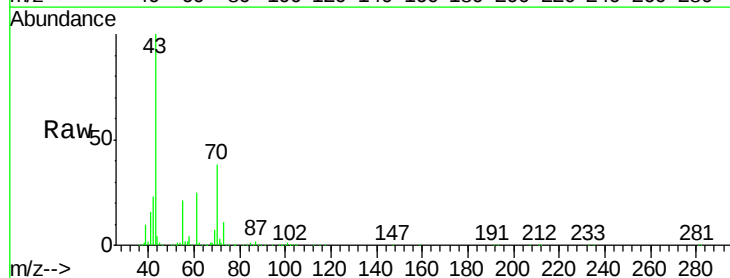
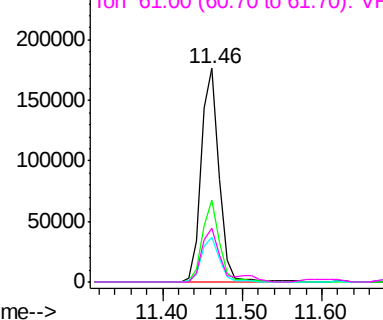
61 25.3 21.3 31.9

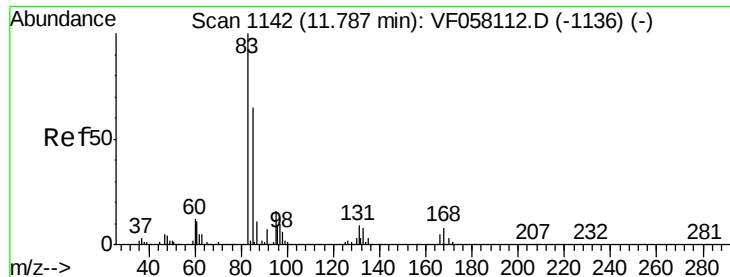
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 48.33 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

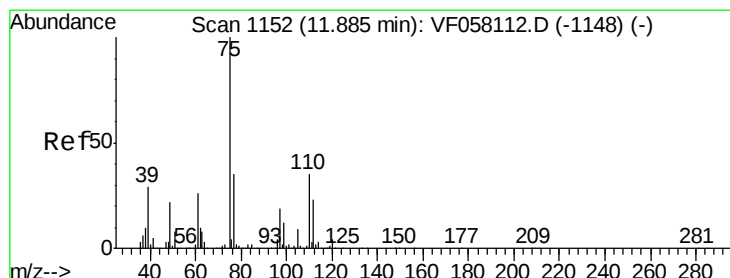
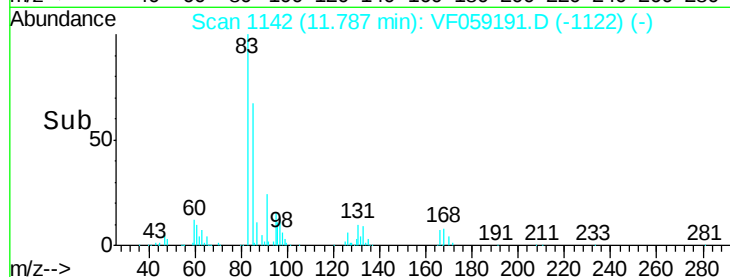
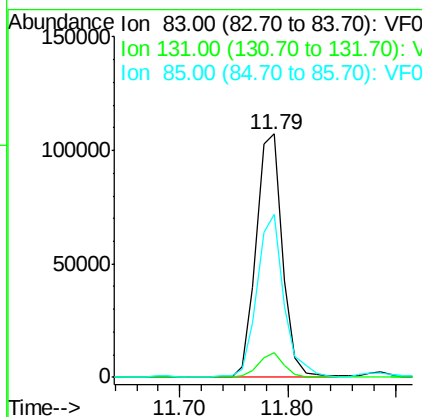
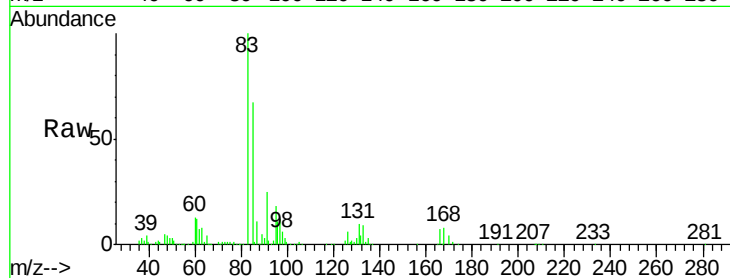
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	183765
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.5	13.7
85	67.1	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.05 ug/l

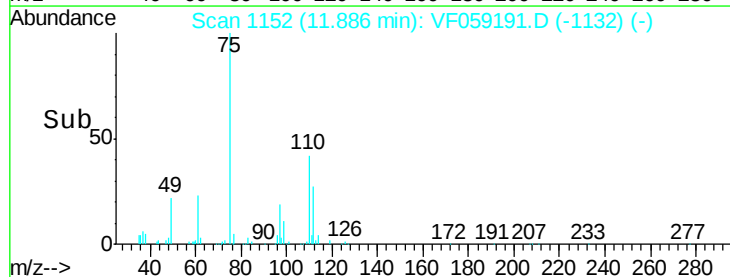
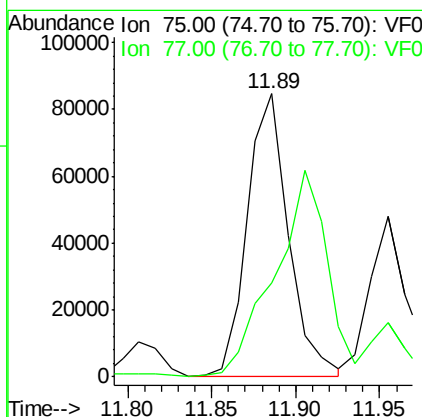
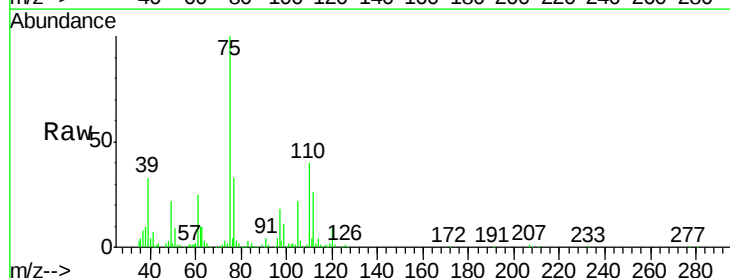
RT: 11.89 min Scan# 1152

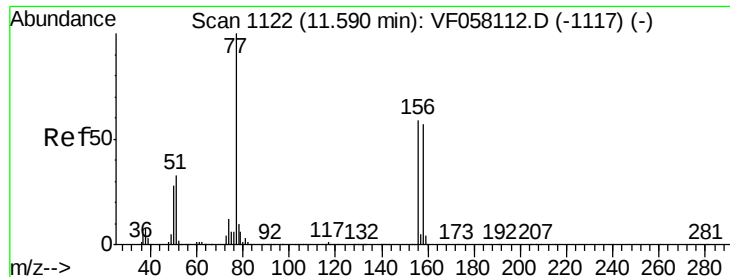
Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion:	75	Resp:	143356
Ion Ratio	Lower	Upper	
75	100		
77	33.4	17.5	52.5





#77

Bromobenzene

Concen: 51.55 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

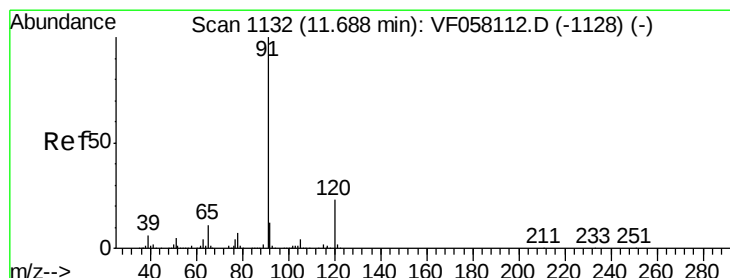
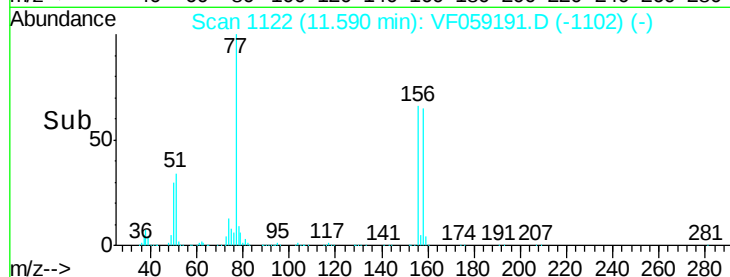
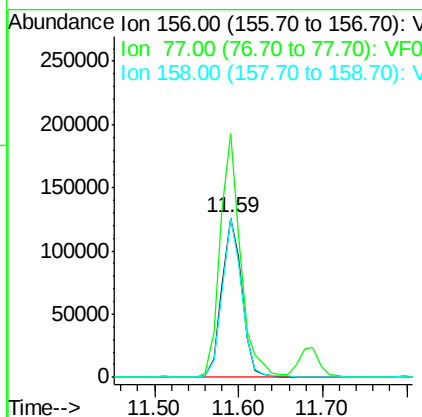
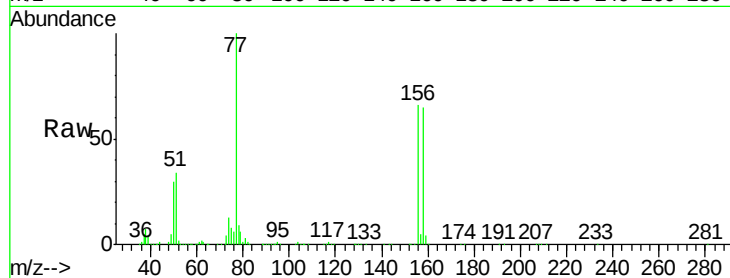
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		208086		
77	152.6	84.8	254.4		
158	99.5	47.9	143.7		

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#78

n-propylbenzene

Concen: 48.58 ug/l

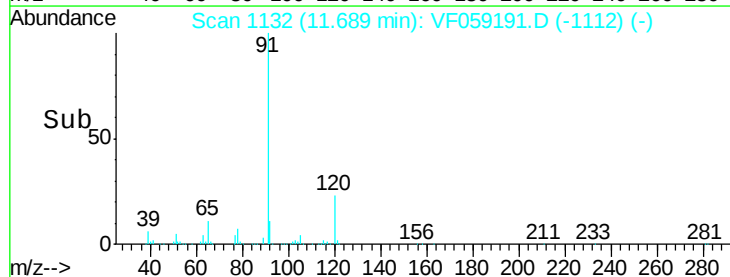
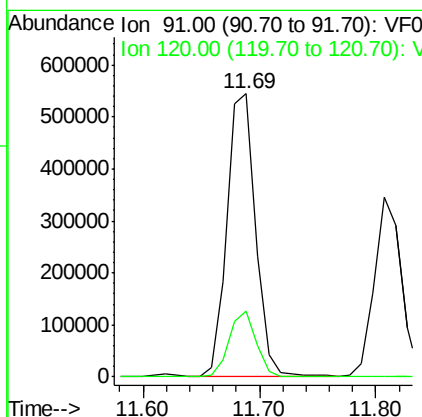
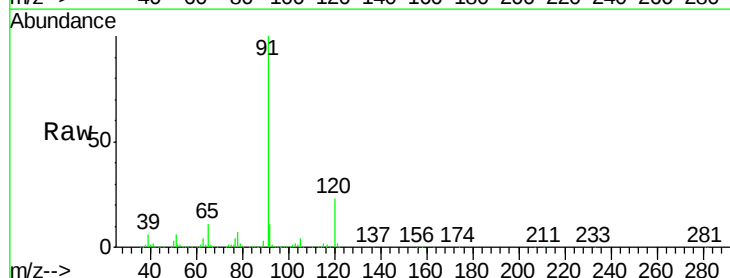
RT: 11.69 min Scan# 1132

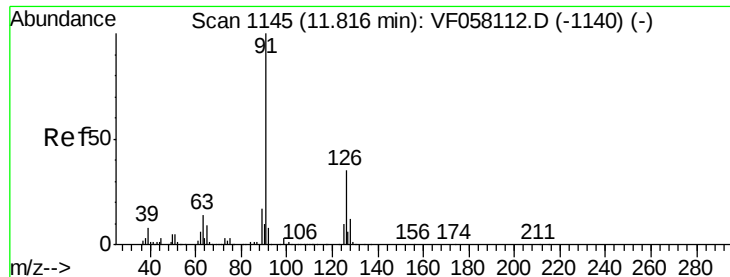
Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		922135		
120	23.3	11.5	34.5		





#79

2-Chlorotoluene

Concen: 49.22 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 551982

Ion Ratio Lower Upper

91 100

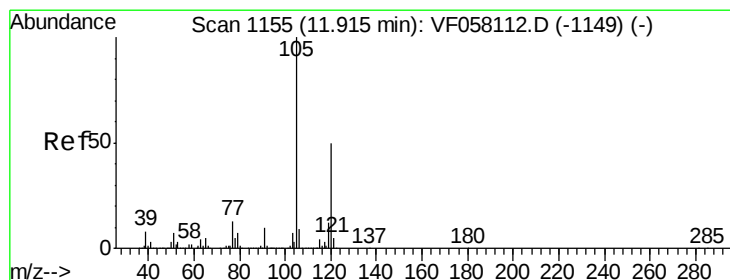
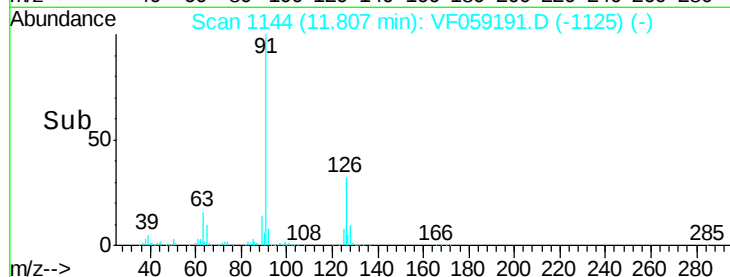
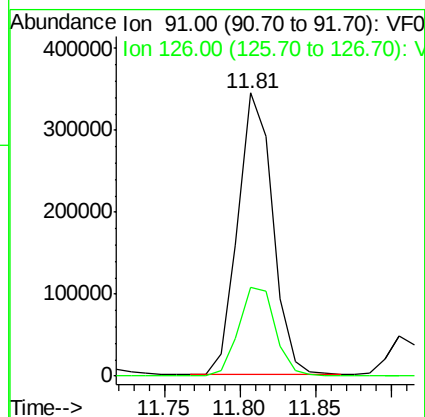
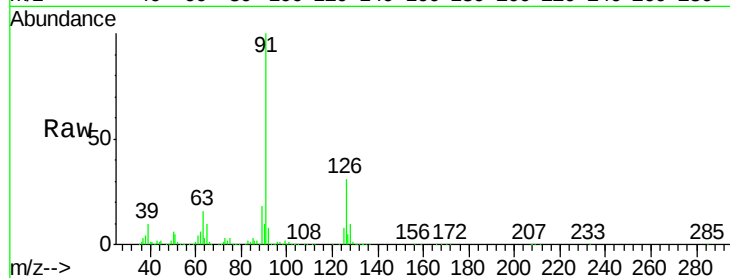
126 31.4 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 50.75 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059191.D

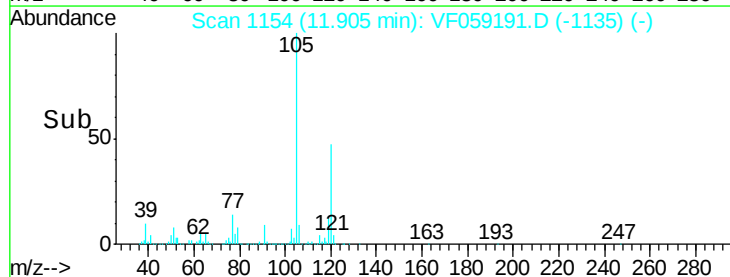
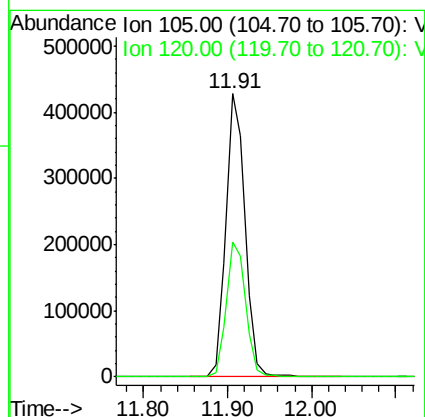
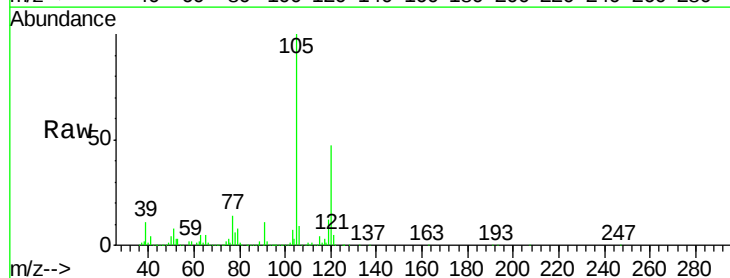
Acq: 19 Jun 2018 16:01

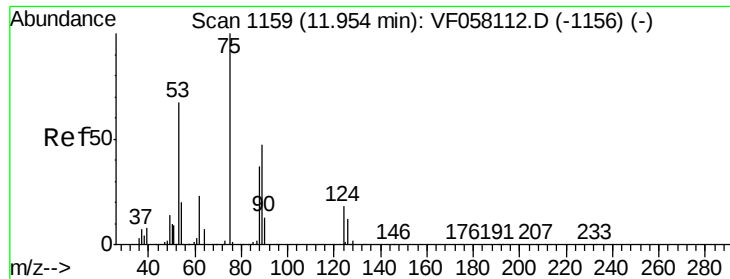
Tgt Ion:105 Resp: 673621

Ion Ratio Lower Upper

105 100

120 47.5 24.9 74.6





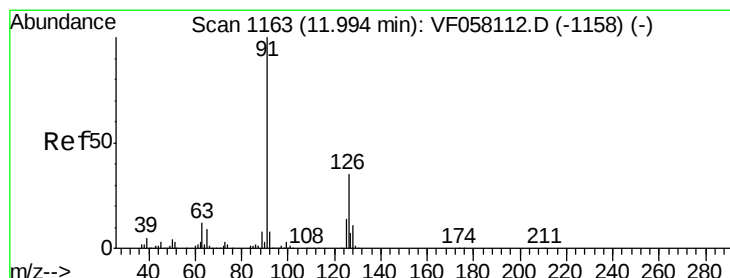
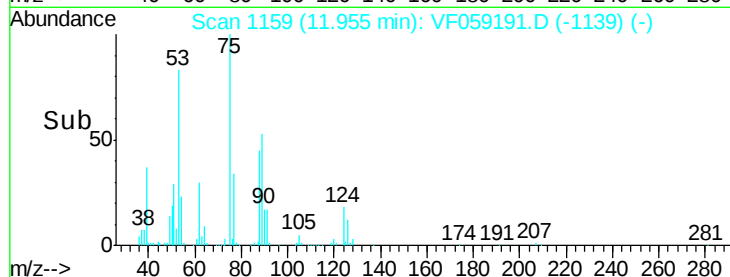
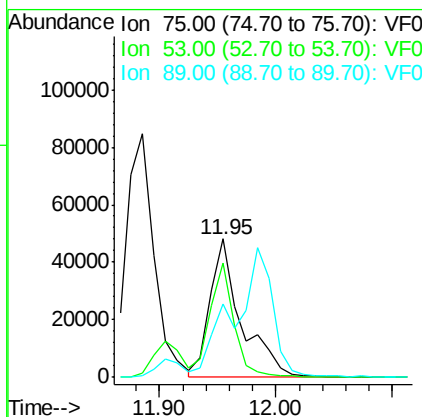
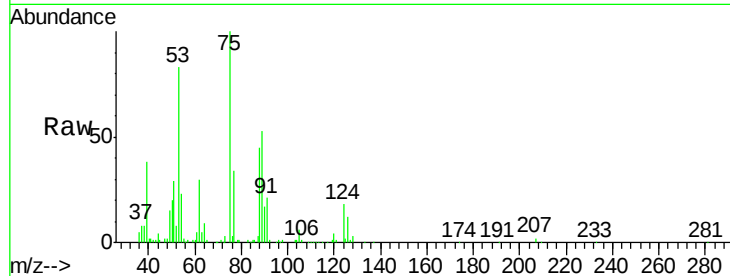
#81
trans-1,4-Dichloro-2-butene
Concen: 48.68 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.1	58.7	88.1
89	52.8	39.8	59.6

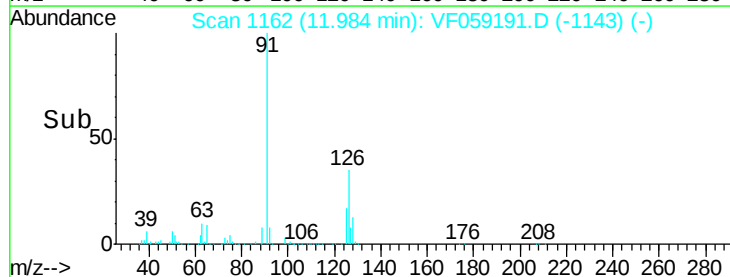
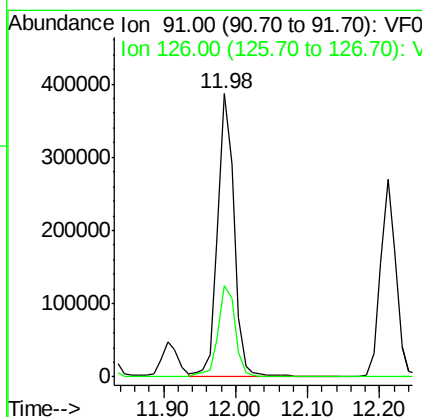
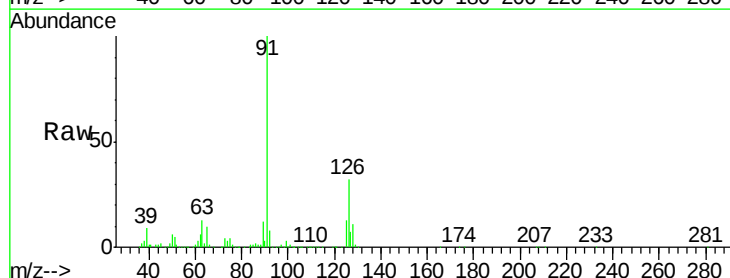
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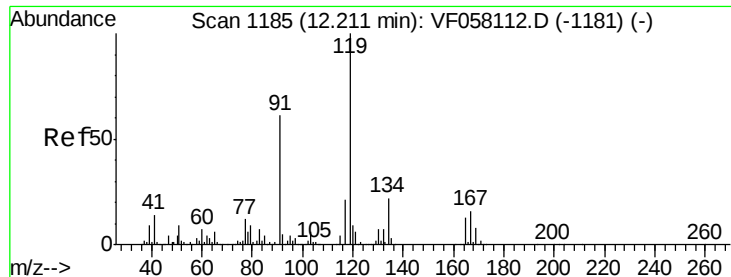
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#82
4-Chlorotoluene
Concen: 50.19 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	17.4	52.2





#83

tert-Butylbenzene

Concen: 51.94 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

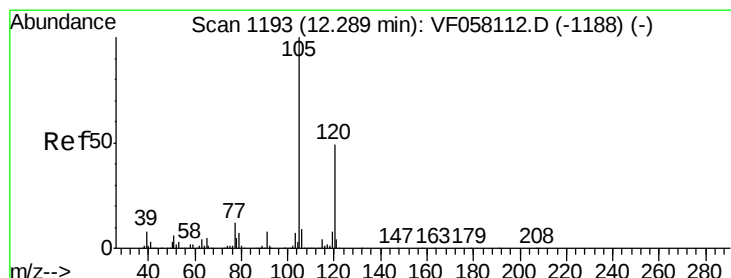
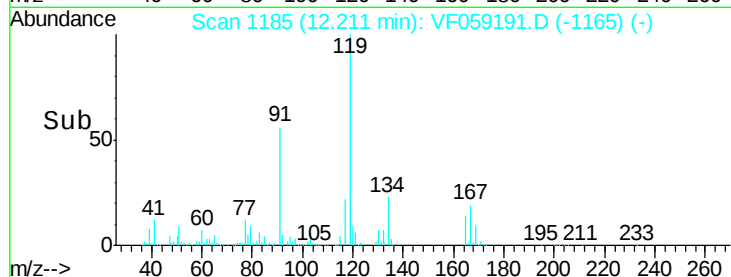
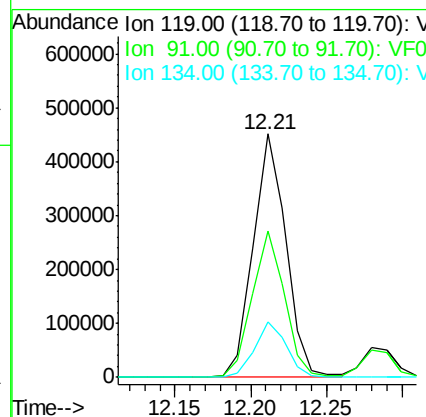
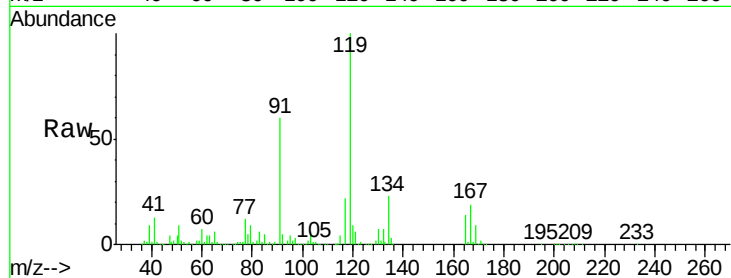
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	684606
Ion Ratio	Lower	Upper	
119	100		
91	59.8	30.4	91.3
134	22.6	11.2	33.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.54 ug/l

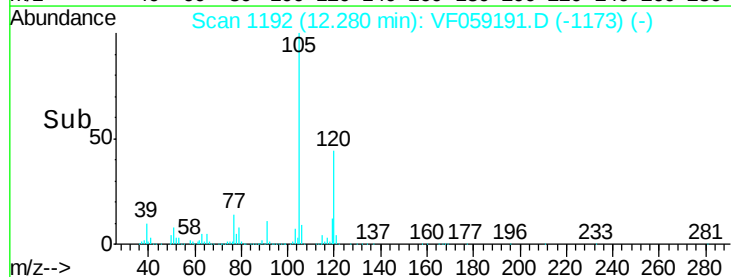
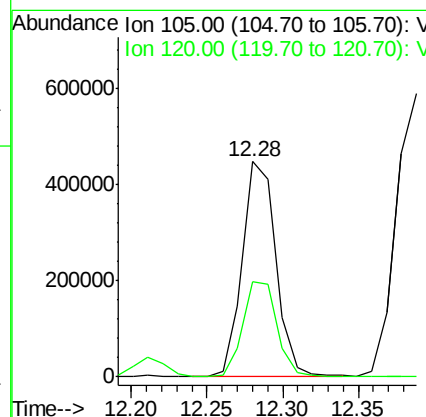
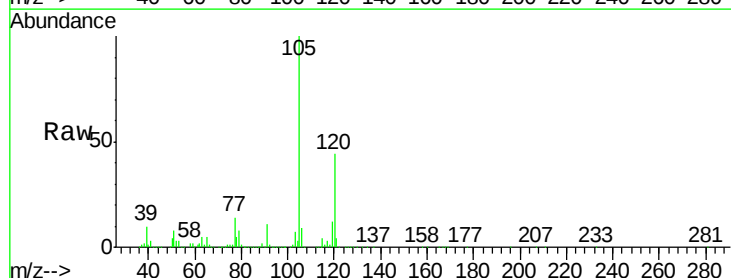
RT: 12.28 min Scan# 1192

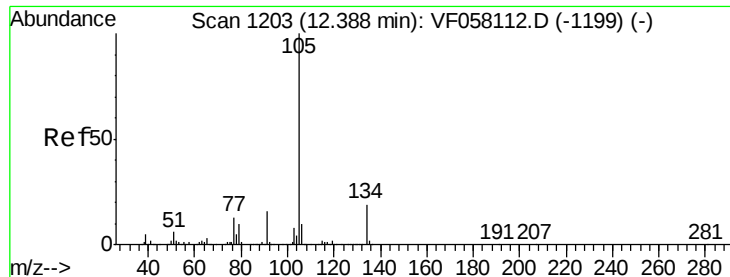
Delta R.T. -0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion:	105	Resp:	695181
Ion Ratio	Lower	Upper	
105	100		
120	44.0	24.7	74.1





#85

sec-Butylbenzene

Concen: 49.40 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 884804

Ion Ratio Lower Upper

105 100

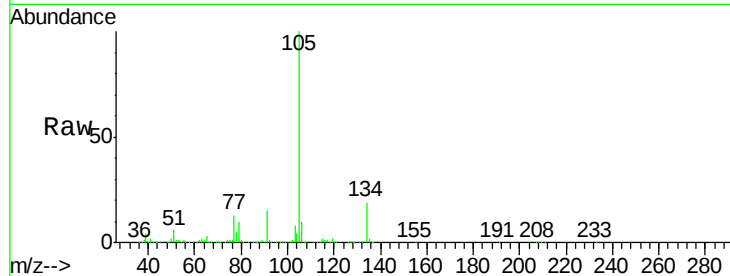
134 19.4 9.6 28.6

Manual Integrations

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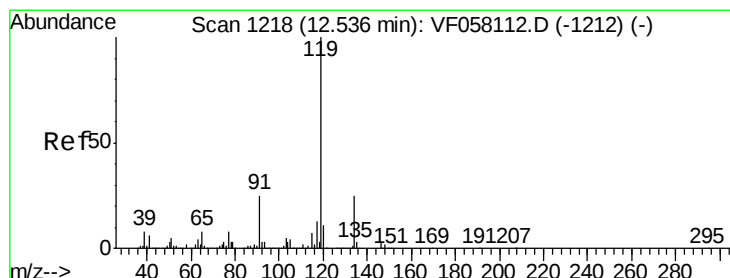
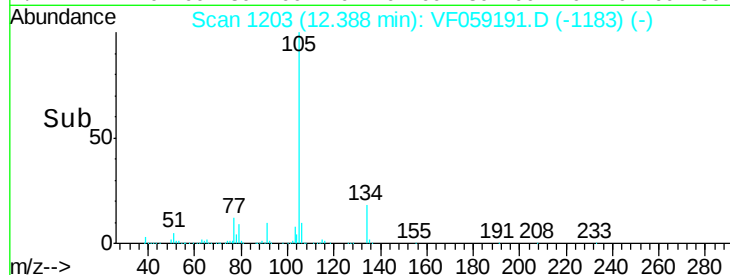
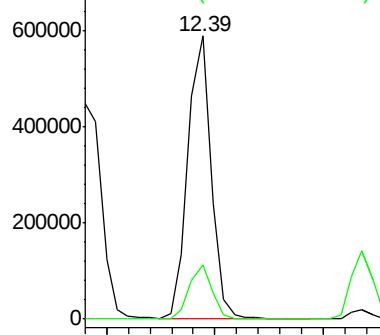
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.75 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

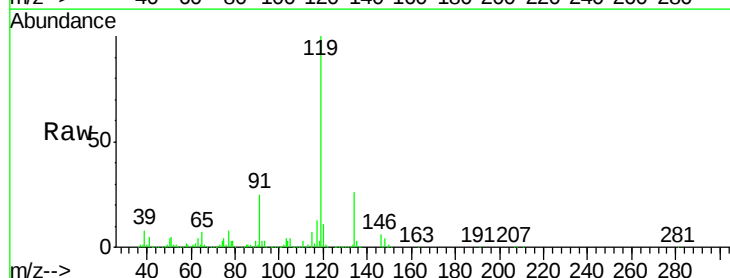
Tgt Ion:119 Resp: 805410

Ion Ratio Lower Upper

119 100

134 26.0 12.7 38.0

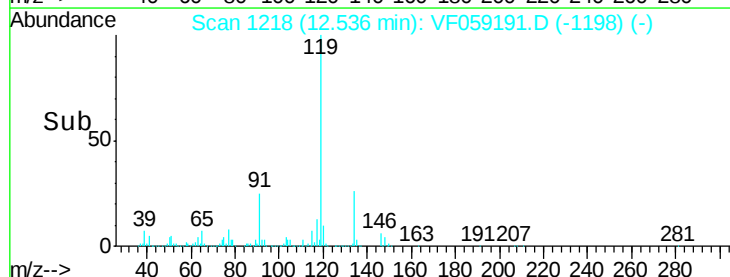
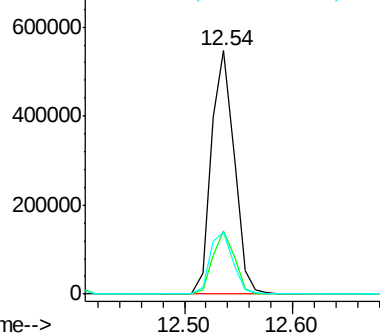
91 25.3 12.6 37.6

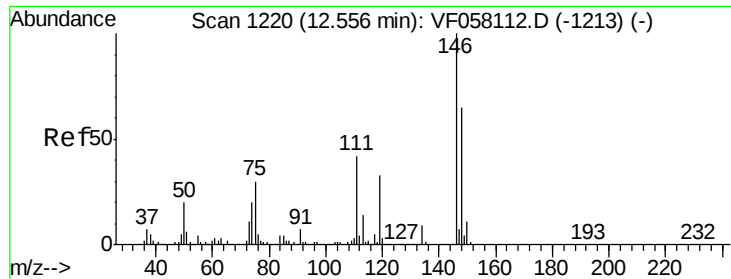


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





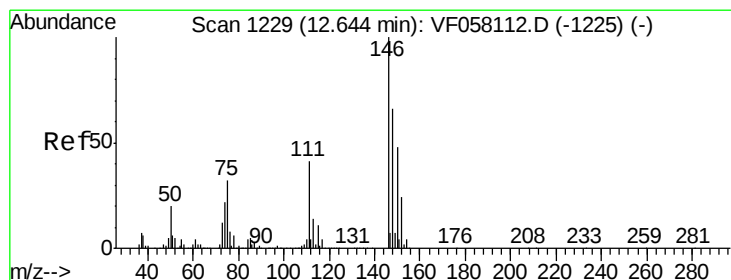
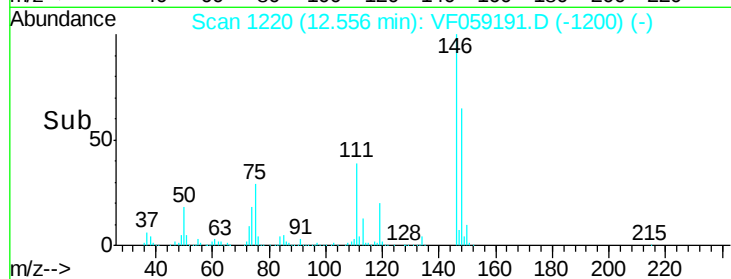
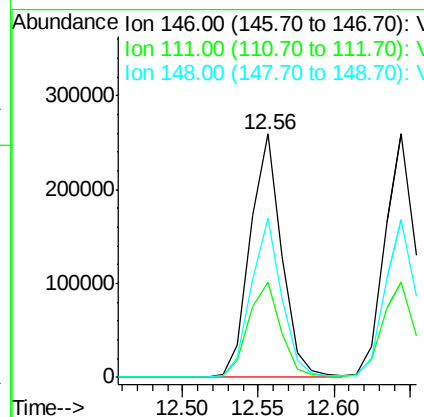
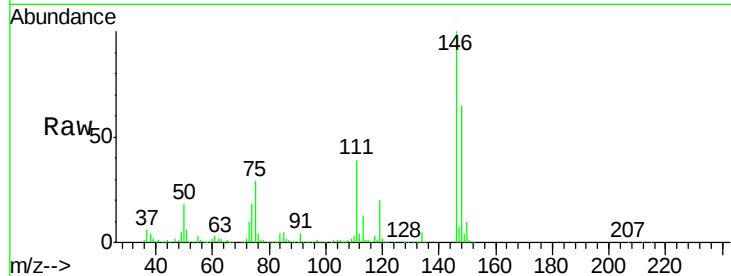
#87
 1,3-Dichlorobenzene
 Concen: 50.42 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.5
148	65.2	32.3	96.9

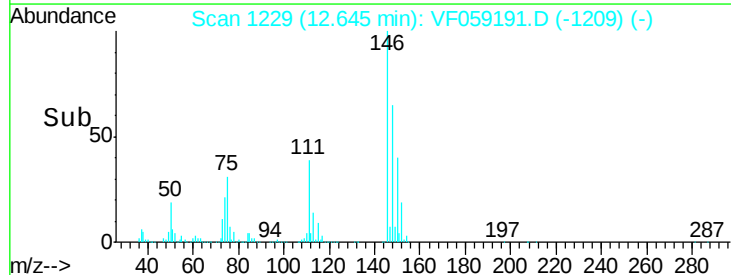
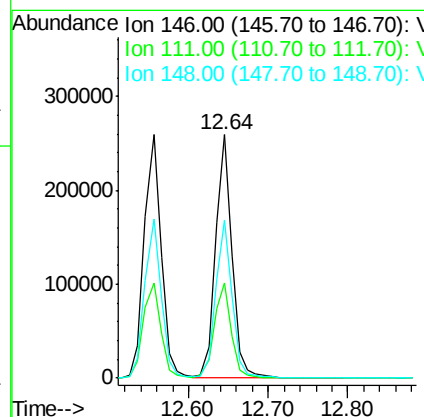
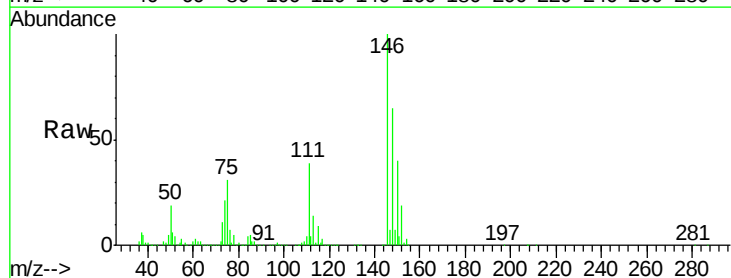
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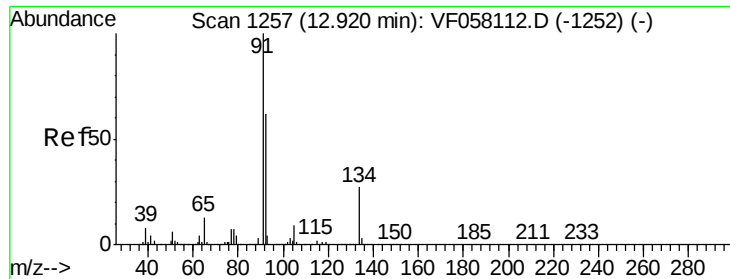
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#88
 1,4-Dichlorobenzene
 Concen: 52.70 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.4	61.2
148	64.9	33.0	99.0





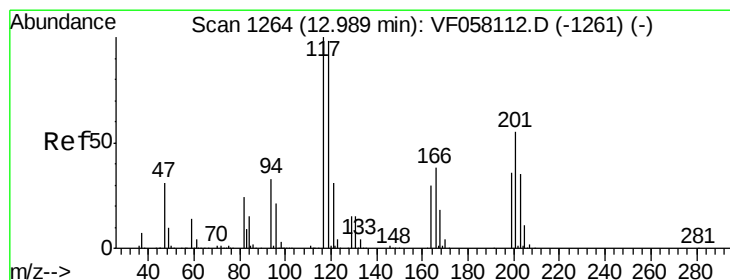
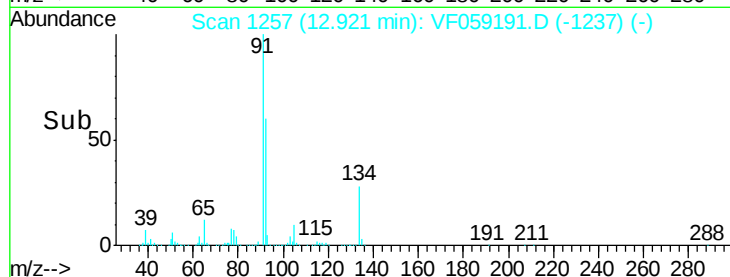
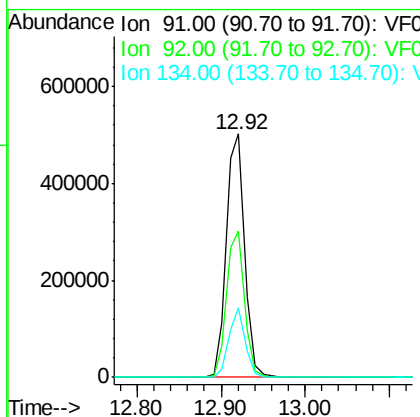
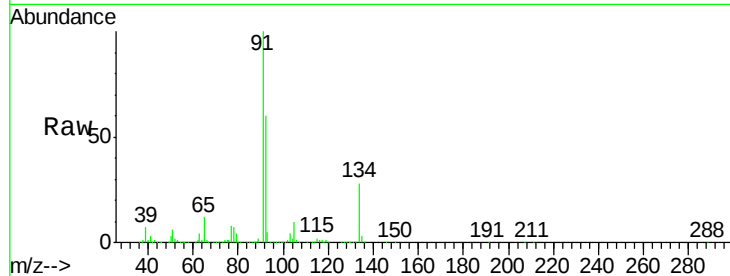
#89
n-Butylbenzene
Concen: 49.43 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.8	31.1	93.5
134	28.5	13.6	40.8

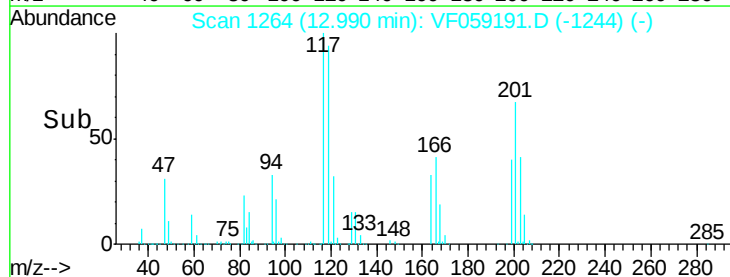
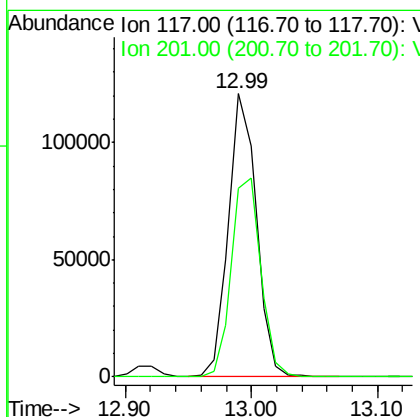
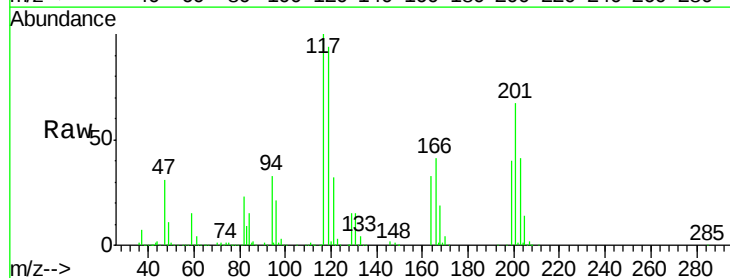
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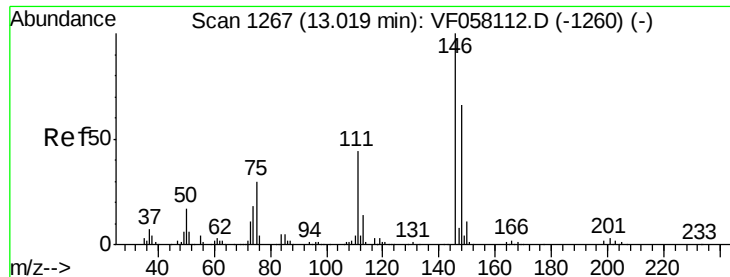
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#90
Hexachloroethane
Concen: 51.06 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059191.D
Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	27.5	82.4





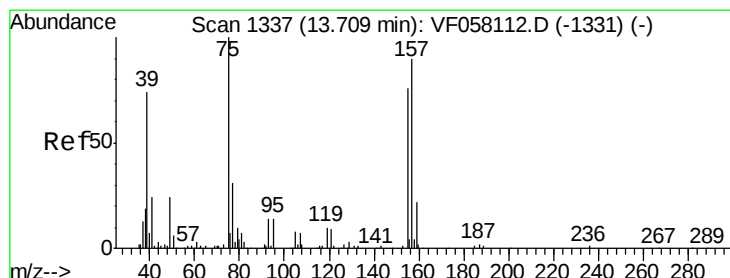
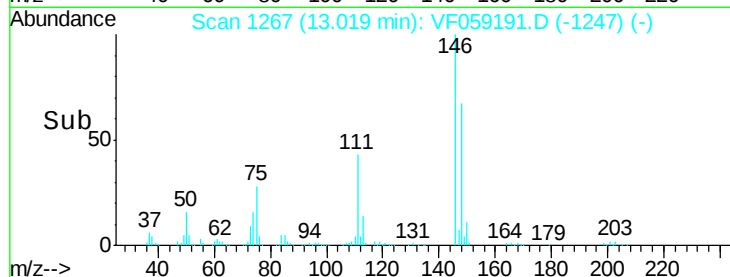
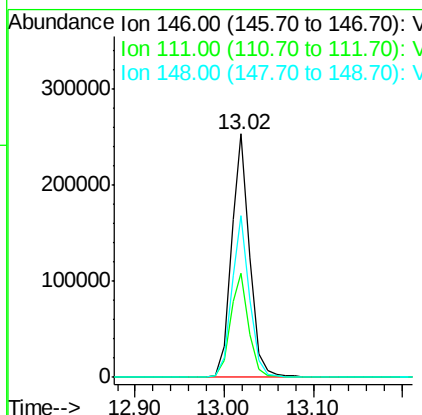
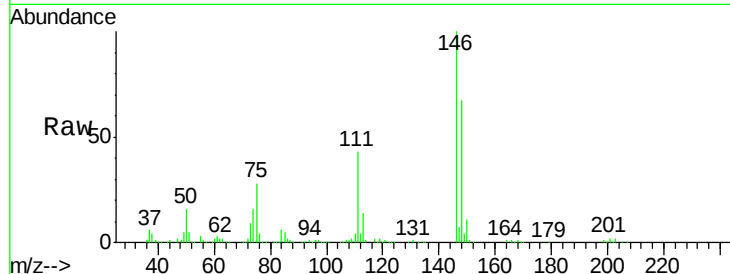
#91
 1,2-Dichlorobenzene
 Concen: 50.51 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.0	66.0
148	66.6	33.1	99.3

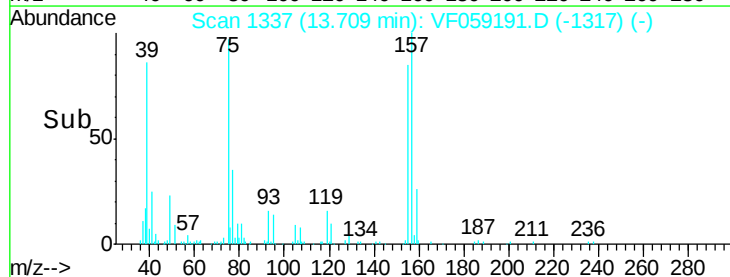
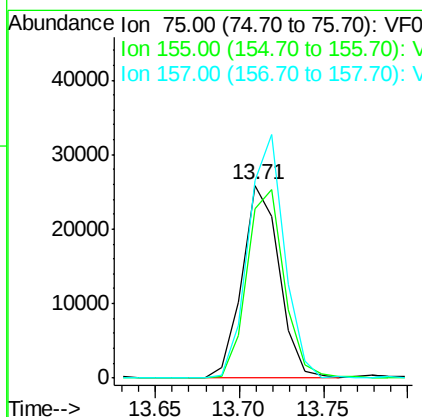
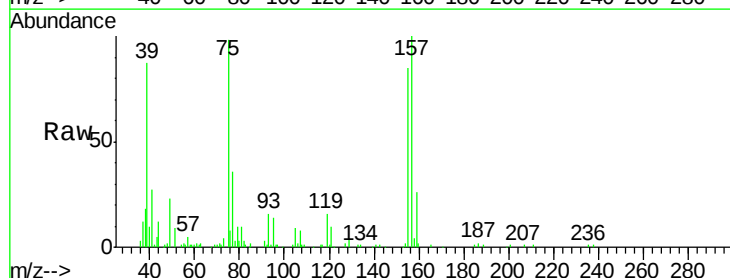
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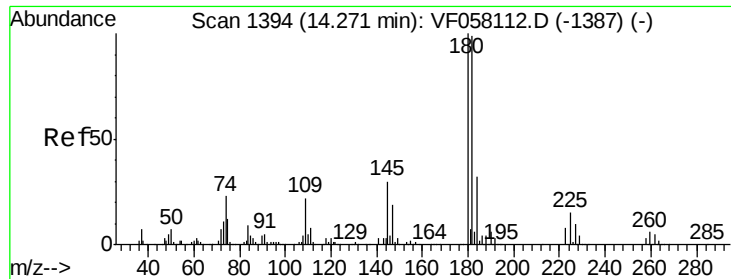
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.11 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	38.0	114.0
157	102.5	45.1	135.5





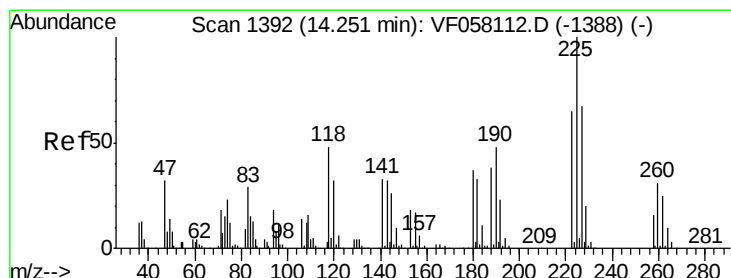
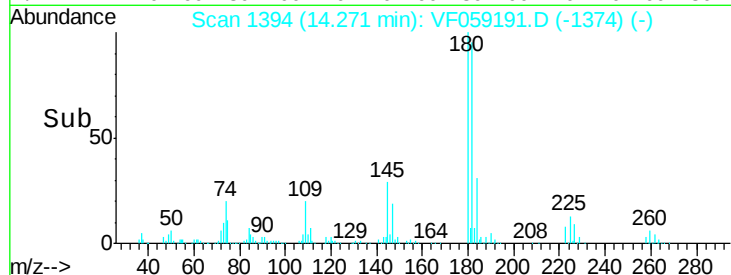
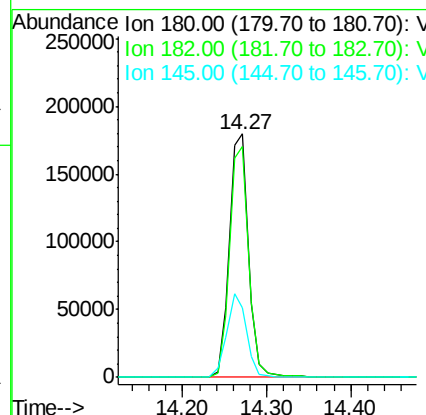
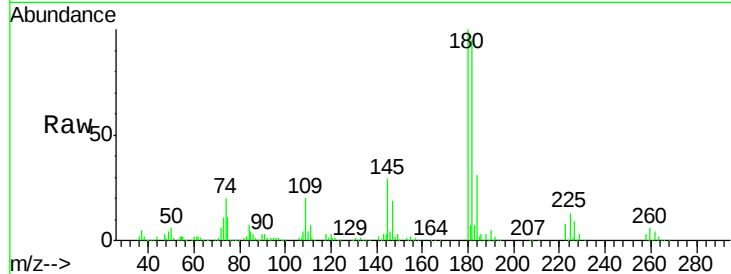
#93
 1,2,4-Trichlorobenzene
 Concen: 56.70 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	284703		
182	94.6	49.3	147.9	
145	28.8	14.9	44.9	

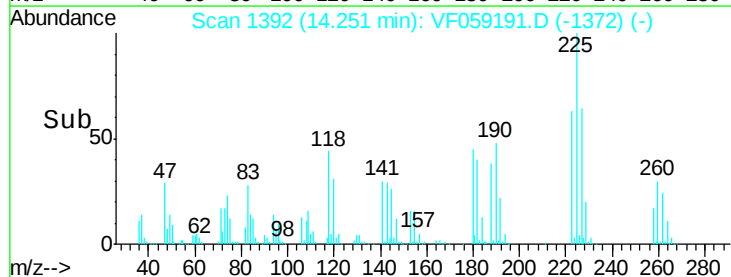
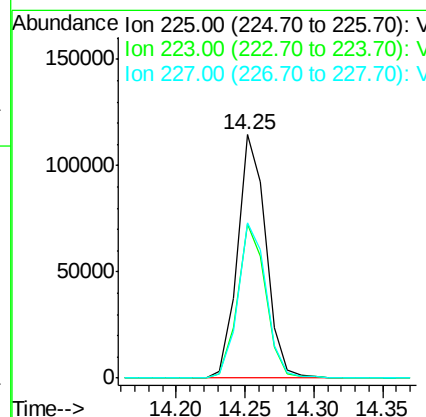
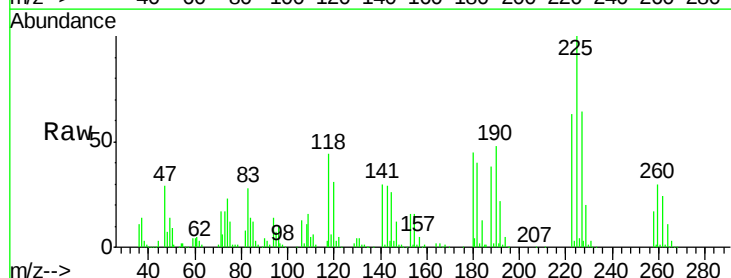
Manual Integrations
 APPROVED

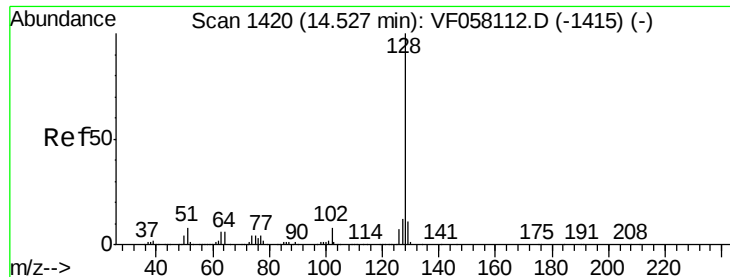
apatel
 6/20/2018 10:11:31 AM



#94
 Hexachlorobutadiene
 Concen: 56.59 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059191.D
 Acq: 19 Jun 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164444		
223	63.4	32.8	98.3	
227	63.8	33.3	99.9	





#95

Naphthalene

Concen: 56.01 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Instrument :

MSVOA_F

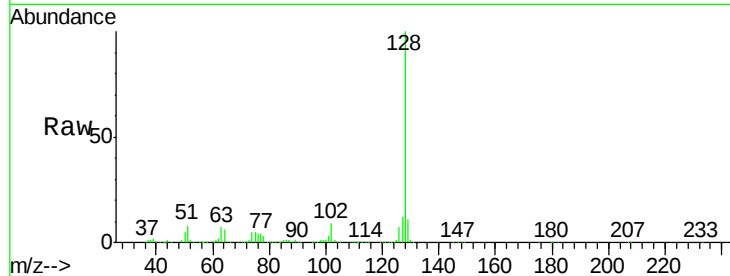
ClientSampleId :

VSTDCCC050

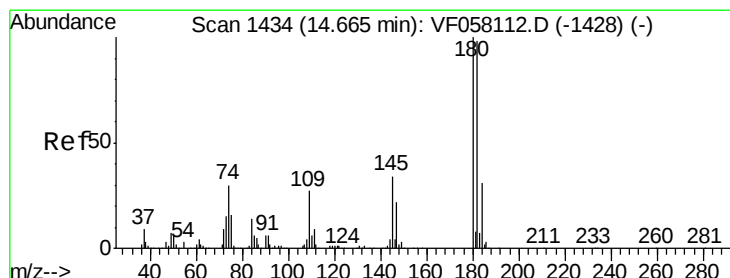
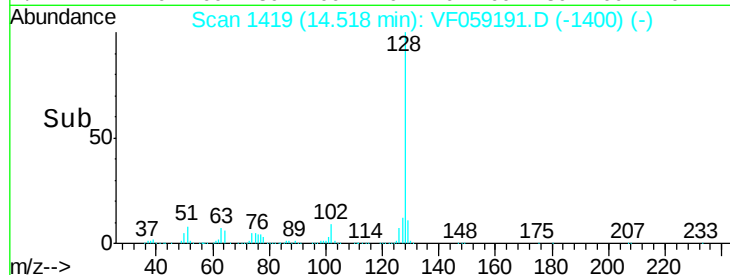
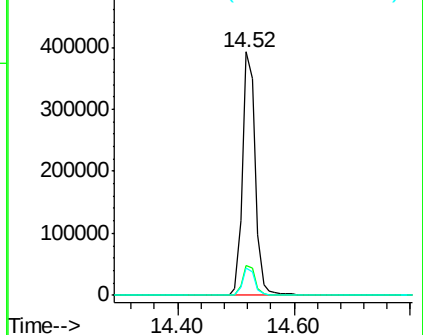
Tot Ion:	128	Resp:	600752
Ion Ratio		Lower	Upper
128	100		
127	12.5	9.9	14.9
129	11.2	8.7	13.1

Manual Integrations
APPROVED

apatel
6/20/2018 10:11:31 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 58.08 ug/l

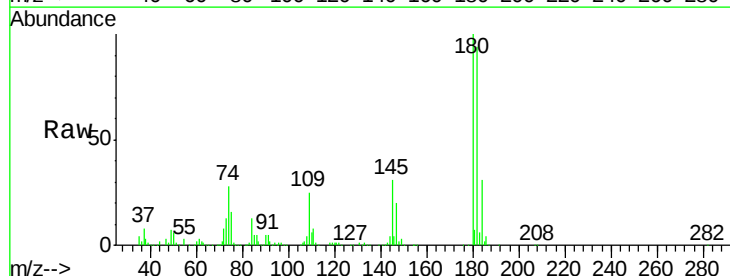
RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059191.D

Acq: 19 Jun 2018 16:01

Tgt Ion:	180	Resp:	269500
Ion Ratio		Lower	Upper
180	100		
182	94.0	48.9	146.6
145	31.4	17.3	51.7



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

