

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062818\
 Data File : VF059354.D
 Acq On : 28 Jun 2018 11:16
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/29/2018 11:27:09 AM

Quant Time: Jun 29 04:30:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	271885	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	407761	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	434492	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	258938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	159460	45.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.80%	
35) Dibromofluoromethane	4.29	113	139378	46.78	ug/l	0.01
Spiked Amount	50.000		Recovery	=	93.56%	
50) Toluene-d8	7.71	98	347676	47.13	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	11.50	95	202929	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	112224	45.18	ug/l	95
3) Chloromethane	1.09	50	77010	46.15	ug/l	98
4) Vinyl Chloride	1.14	62	81234	49.45	ug/l	92
5) Bromomethane	1.33	94	58387	63.95	ug/l	97
6) Chloroethane	1.42	64	43527	52.61	ug/l	95
7) Trichlorofluoromethane	1.48	101	174128m	53.61	ug/l	
8) Diethyl Ether	1.70	74	39660	47.62	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	97952	51.66	ug/l	91
10) Methyl Iodide	1.96	142	168124	48.62	ug/l	91
11) Tert butyl alcohol	2.68	59	52109	222.83	ug/l	93
12) 1,1-Dichloroethene	1.85	96	79197	49.41	ug/l	89
13) Acrolein	2.08	56	48024	445.82	ug/l	91
14) Allyl chloride	2.19	41	152015	50.52	ug/l	# 98
15) Acrylonitrile	3.07	53	89945	218.41	ug/l	91
16) Acetone	2.34	43	260654m	299.12	ug/l	
17) Carbon Disulfide	1.83	76	176891	46.91	ug/l	# 91
18) Methyl Acetate	2.45	43	81220	51.26	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	308164	51.54	ug/l	94
20) Methylene Chloride	2.27	84	86260	42.71	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	81097	47.43	ug/l	96
22) Diisopropyl ether	2.92	45	322608	48.42	ug/l	99
23) Vinyl Acetate	3.32	43	1029208	242.54	ug/l	97
24) 1,1-Dichloroethane	3.00	63	190355	46.08	ug/l	100
25) 2-Butanone	4.51	43	277834	261.59	ug/l	100
26) 2,2-Dichloropropane	3.76	77	142201	49.91	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	125643	48.40	ug/l	90
28) Bromochloromethane	3.88	49	79636	50.21	ug/l	91
29) Tetrahydrofuran	4.25	42	119039	263.97	ug/l	95
30) Chloroform	4.03	83	287499	48.07	ug/l	98
31) Cyclohexane	3.86	56	119076	44.00	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	217934	49.80	ug/l	99
36) 1,1-Dichloropropene	4.46	75	170106	47.75	ug/l	98
37) Ethyl Acetate	4.28	43	114857	50.42	ug/l	# 71
38) Carbon Tetrachloride	4.16	117	236397m	52.59	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	153230	48.54	ug/l	96
40) Benzene	4.81	78	375216	47.51	ug/l	98
41) Methacrylonitrile	4.92	41	55400	45.59	ug/l	96
42) 1,2-Dichloroethane	5.12	62	226788	49.14	ug/l	99
43) Isopropyl Acetate	7.11	43	149948	50.54	ug/l #	93
44) Trichloroethene	5.67	130	126293	46.61	ug/l	94
45) 1,2-Dichloropropane	6.40	63	113318	50.22	ug/l	93
46) Dibromomethane	6.25	93	98793	50.44	ug/l	98
47) Bromodichloromethane	6.55	83	239046	50.42	ug/l	98
48) Methyl methacrylate	6.87	41	103536	52.07	ug/l	92
49) 1,4-Dioxane	6.86	88	12276	1163.96	ug/l	94
51) 4-Methyl-2-Pentanone	8.40	43	560374	254.93	ug/l	97
52) Toluene	7.78	92	281028	47.55	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	223396	51.69	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	236805	50.45	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	115644	50.40	ug/l	97
56) Ethyl methacrylate	8.75	69	144901	50.98	ug/l	97
57) 1,3-Dichloropropane	9.00	76	201446	51.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	53460	250.77	ug/l	100
59) 2-Hexanone	9.63	43	465788	284.38	ug/l	96
60) Dibromochloromethane	8.86	129	183321	51.75	ug/l	91
61) 1,2-Dibromoethane	9.14	107	134917	48.48	ug/l	98
64) Tetrachloroethene	8.30	164	128029	45.43	ug/l	99
65) Chlorobenzene	9.94	112	387681	48.15	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	162860	46.77	ug/l	99
67) Ethyl Benzene	10.04	91	628174	45.99	ug/l	96
68) m/p-Xylenes	10.26	106	453573	93.30	ug/l	98
69) o-Xylene	10.82	106	260161	47.85	ug/l	96
70) Styrene	10.90	104	387406	46.77	ug/l	98
71) Bromoform	10.88	173	117428	49.20	ug/l	98
73) Isopropylbenzene	11.23	105	756775	50.17	ug/l	98
74) N-amyl acetate	11.47	43	269421	49.22	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	188897	49.58	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	141880	49.37	ug/l	99
77) Bromobenzene	11.59	156	203015	48.51	ug/l	96
78) n-propylbenzene	11.69	91	862949	47.63	ug/l	99
79) 2-Chlorotoluene	11.81	91	546884	49.41	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	661127	50.03	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	86931	50.82	ug/l	93
82) 4-Chlorotoluene	11.99	91	592125	49.95	ug/l	95
83) tert-Butylbenzene	12.21	119	657076	49.72	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	684796	49.21	ug/l	97
85) sec-Butylbenzene	12.39	105	879090	50.18	ug/l	97
86) p-Isopropyltoluene	12.54	119	742532	50.51	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	369644	53.85	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	365616	48.92	ug/l	98
89) n-Butylbenzene	12.92	91	765965	51.32	ug/l	98
90) Hexachloroethane	12.99	117	183551	50.09	ug/l	83
91) 1,2-Dichlorobenzene	13.02	146	366546	48.24	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	43401	51.39	ug/l	69

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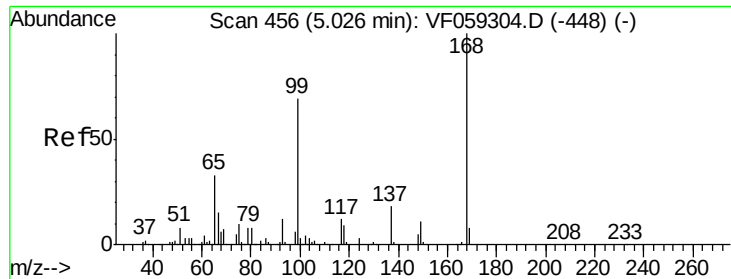
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	286377	50.97	ug/l	97
94) Hexachlorobutadiene	14.25	225	165104	52.61	ug/l	97
95) Naphthalene	14.52	128	631200	53.70	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	281725	52.94	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 271885

Ion Ratio Lower Upper

168 100

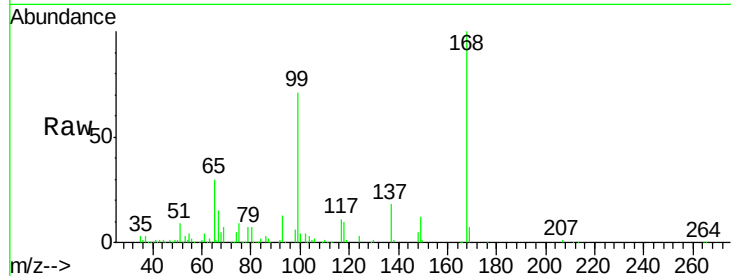
99 70.8 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

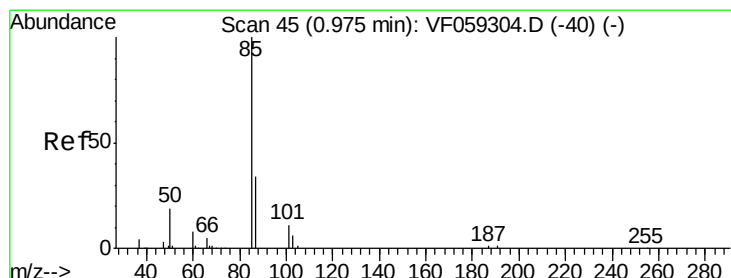
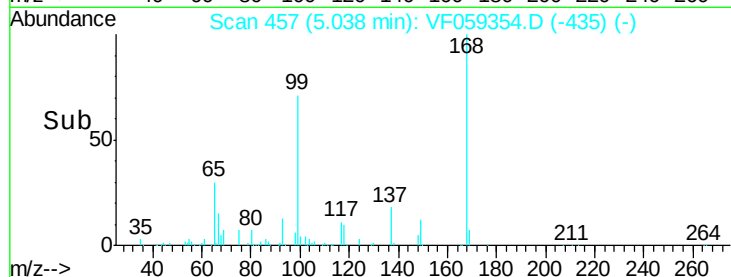
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.18 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059354.D

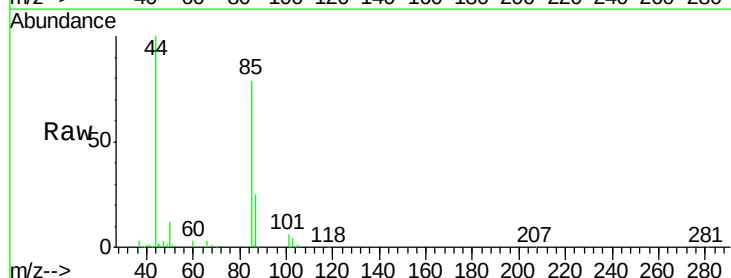
Acq: 28 Jun 2018 11:16

Tgt Ion: 85 Resp: 112224

Ion Ratio Lower Upper

85 100

87 31.3 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

40000

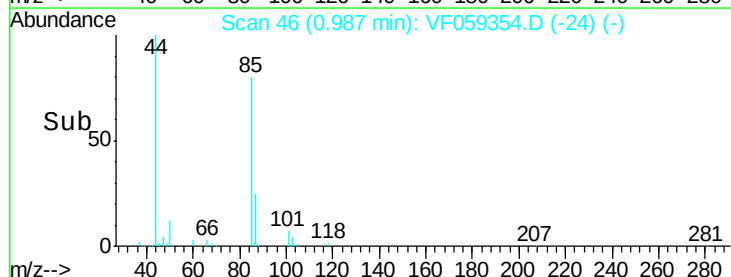
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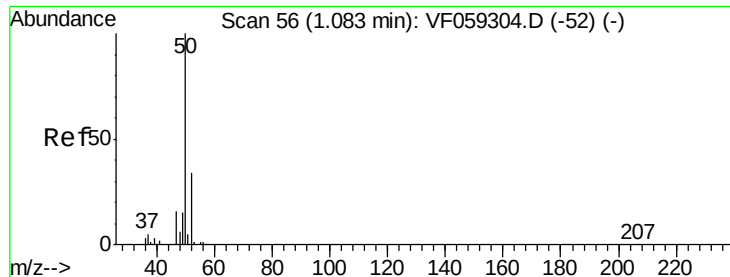
20000

10000

0

Time-->





#3

Chloromethane

Concen: 46.15 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 77010

Ion Ratio Lower Upper

50 100

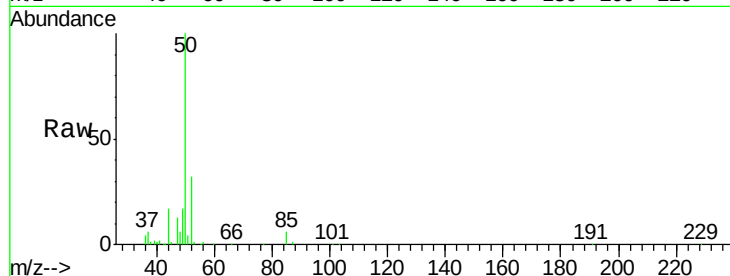
52 32.2 26.7 40.1

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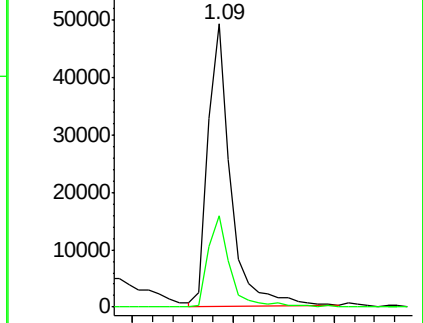
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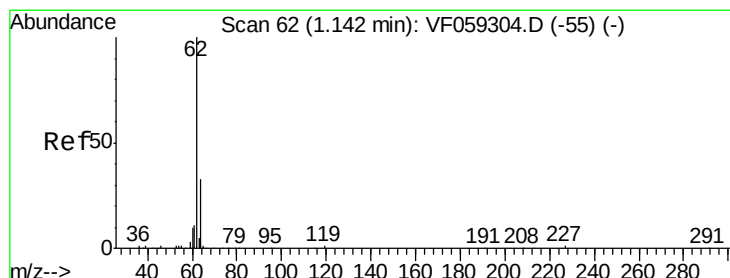
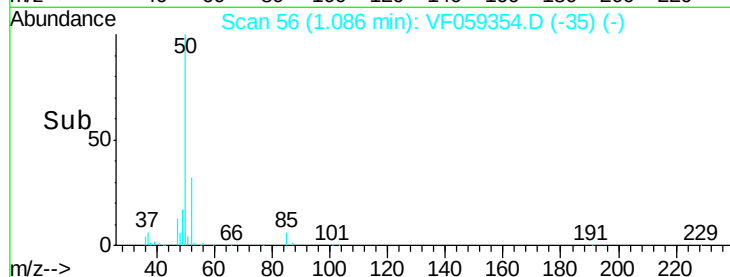


Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->



#4

Vinyl Chloride

Concen: 49.45 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059354.D

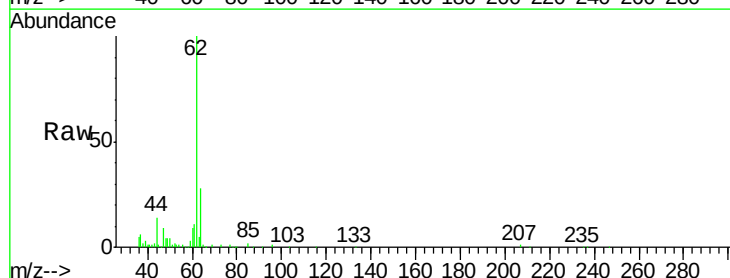
Acq: 28 Jun 2018 11:16

Tgt Ion: 62 Resp: 81234

Ion Ratio Lower Upper

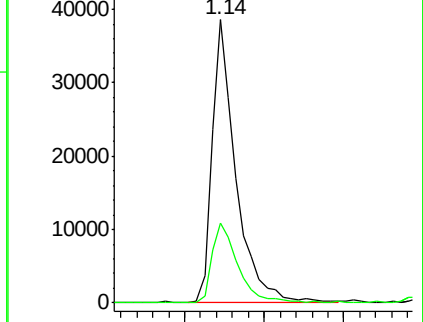
62 100

64 28.3 26.3 39.5

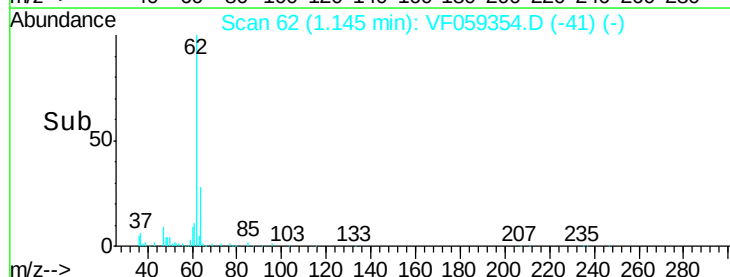


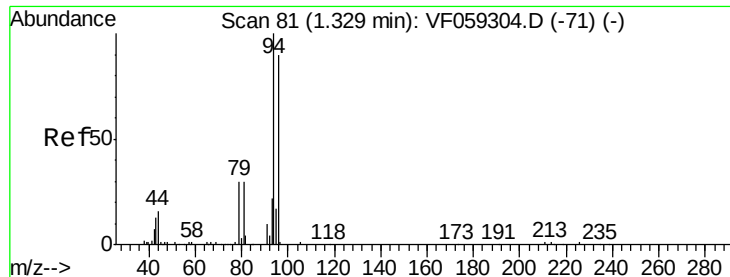
Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



Time-->





#5

Bromomethane

Concen: 63.95 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58387

Ion Ratio Lower Upper

94 100

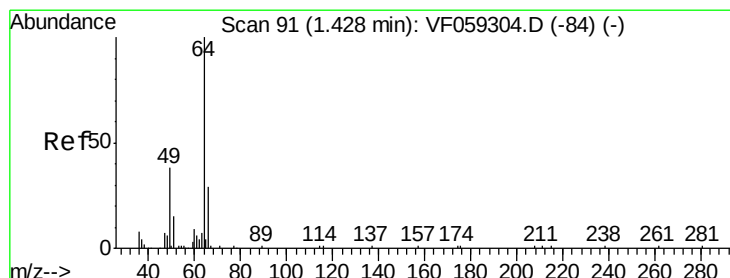
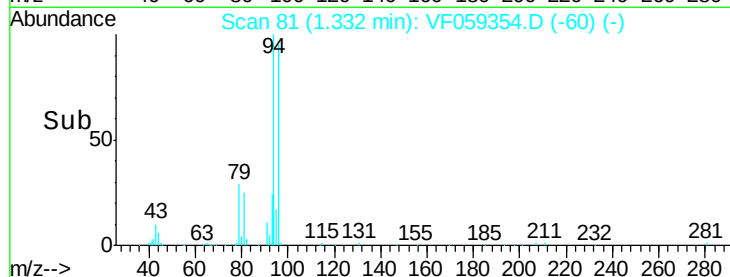
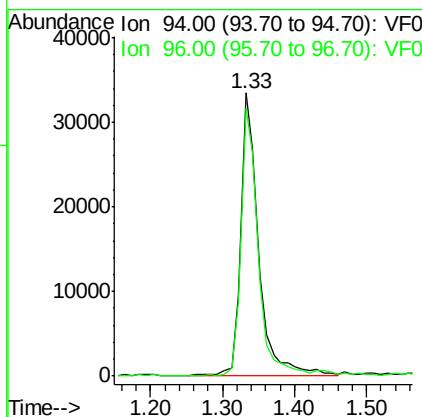
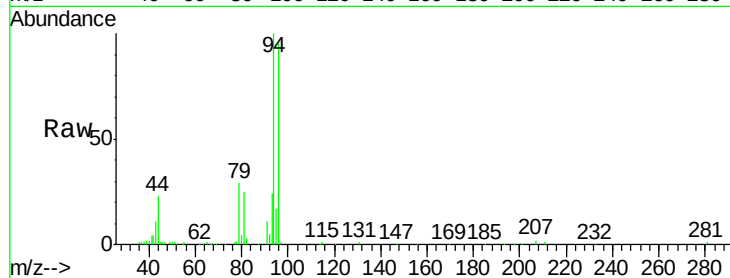
96 94.6 73.4 110.0

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#6

Chloroethane

Concen: 52.61 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059354.D

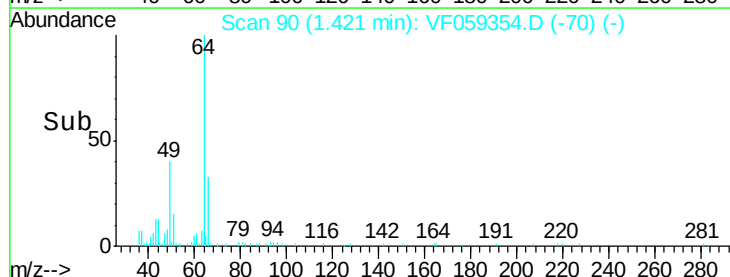
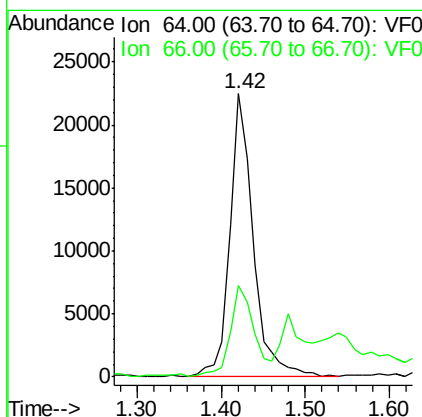
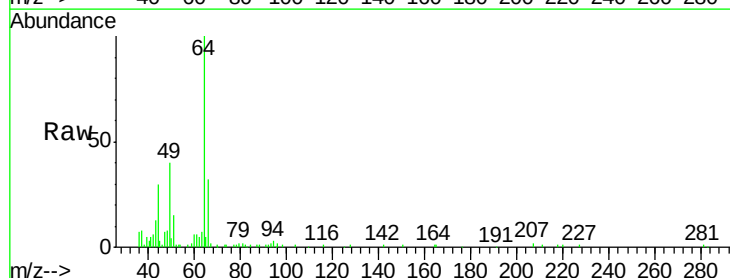
Acq: 28 Jun 2018 11:16

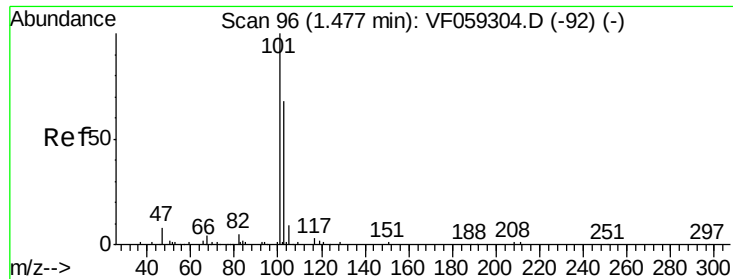
Tgt Ion: 64 Resp: 43527

Ion Ratio Lower Upper

64 100

66 32.4 23.9 35.9





#7

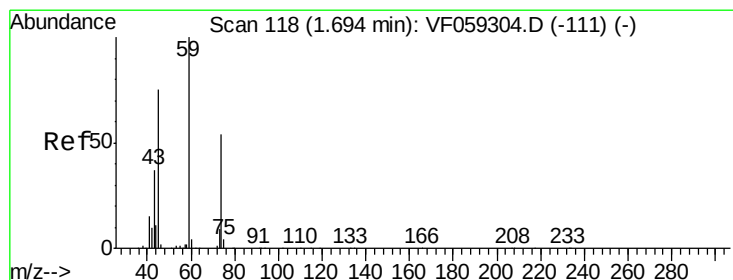
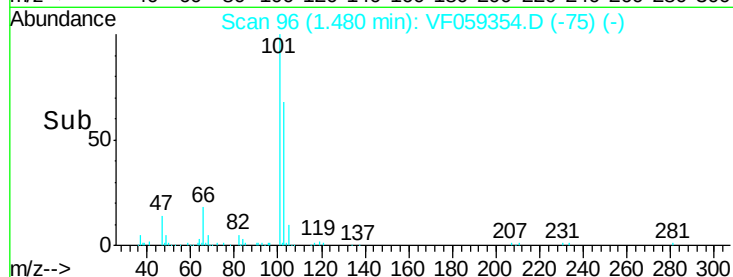
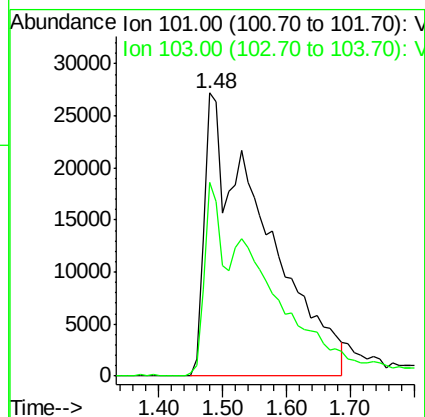
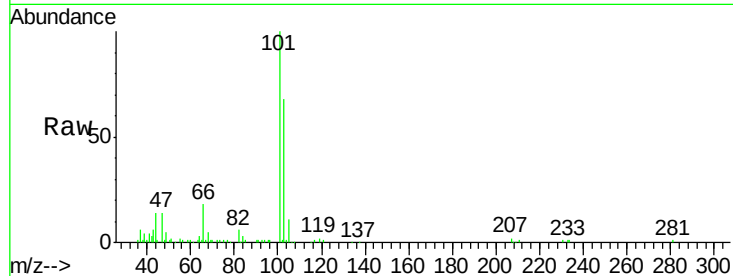
Trichlorofluoromethane
Concen: 53.61 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. 0.00 min
Lab File: VF059354.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.3	54.2	81.2

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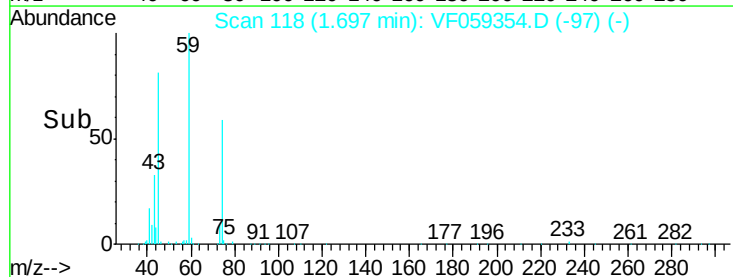
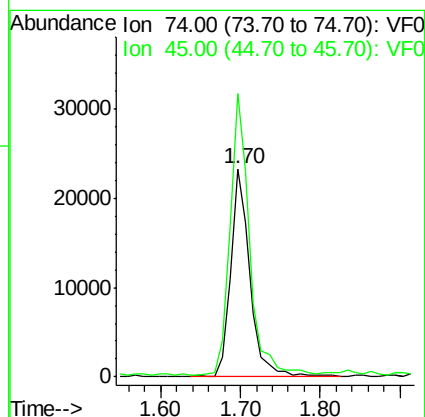
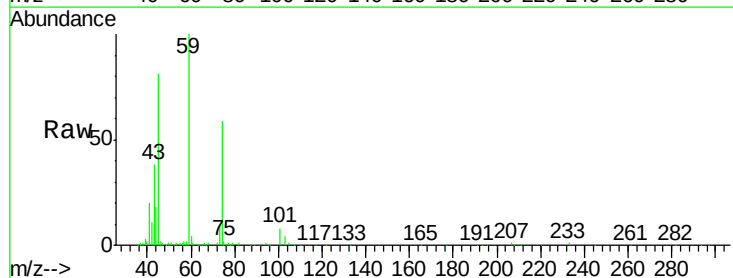
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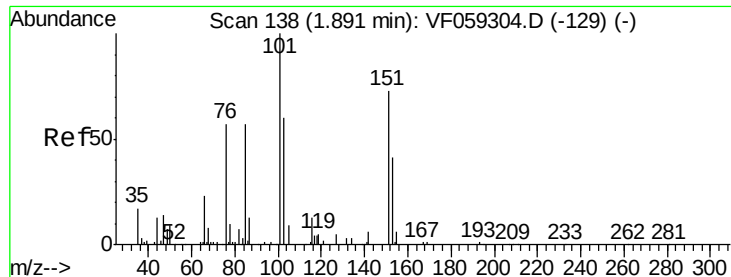


#8

Diethyl Ether
Concen: 47.62 ug/l
RT: 1.70 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.0	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.66 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

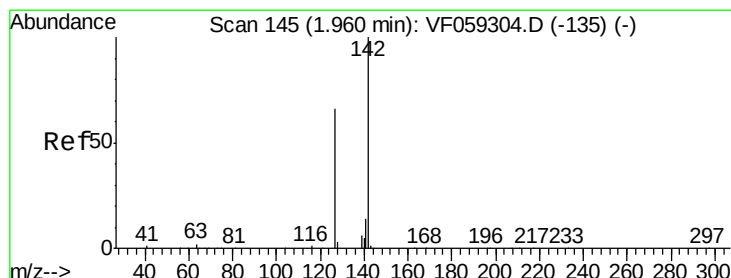
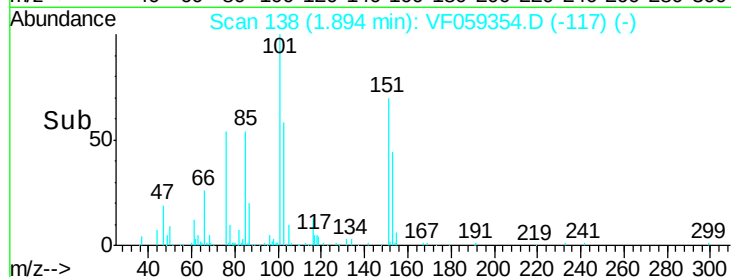
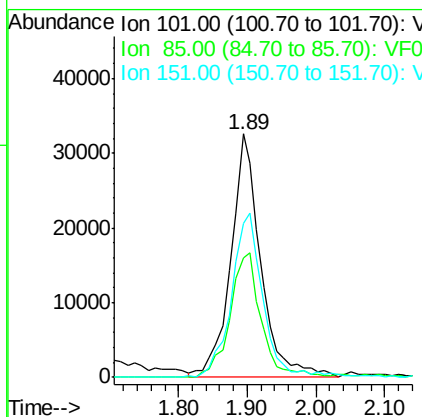
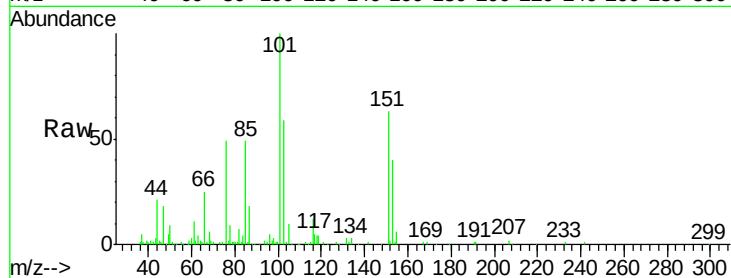
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	97952
Ion Ratio	Lower	Upper	
101	100		
85	48.9	44.5	66.7
151	63.3	56.8	85.2

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#10

Methyl Iodide

Concen: 48.62 ug/l

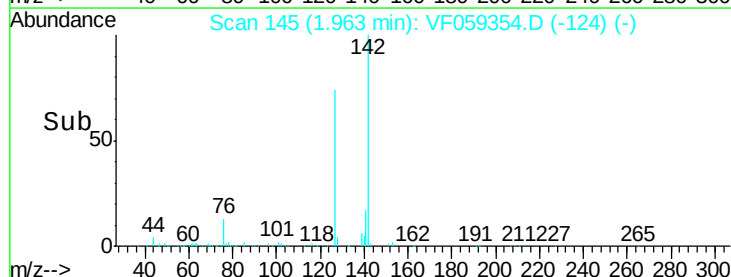
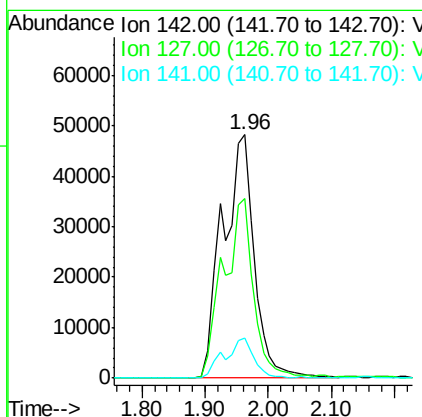
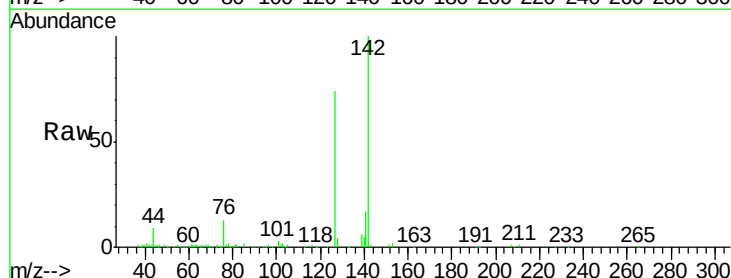
RT: 1.96 min Scan# 145

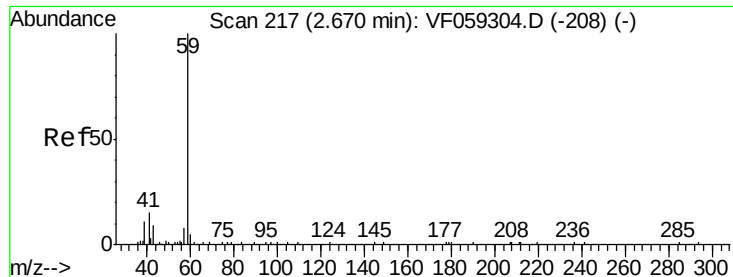
Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	142	Resp:	168124
Ion Ratio	Lower	Upper	
142	100		
127	73.8	52.5	78.7
141	16.7	11.5	17.3





#11

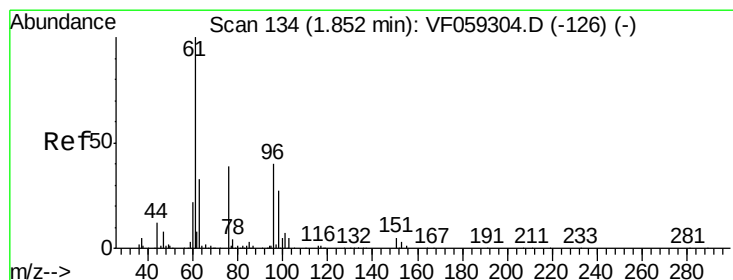
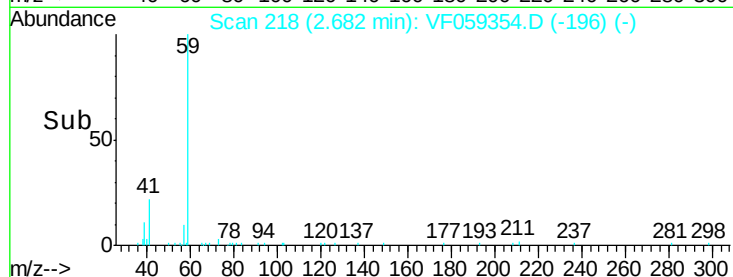
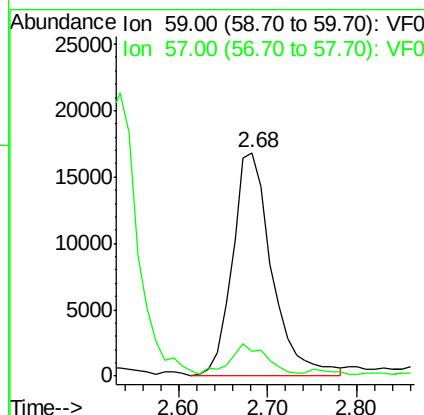
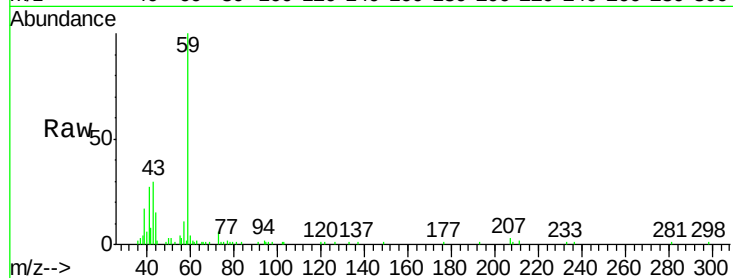
Tert butyl alcohol
Concen: 222.83 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	52109
Ion Ratio	100	Lower	Upper
57	11.0	11.0	16.4

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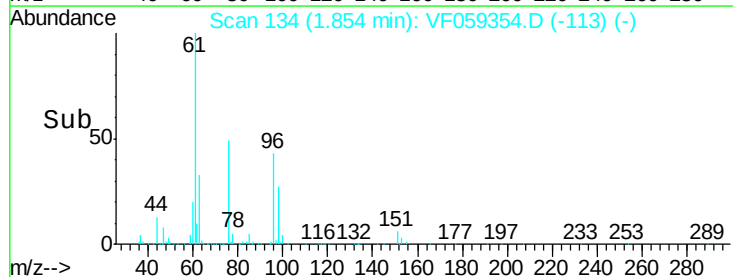
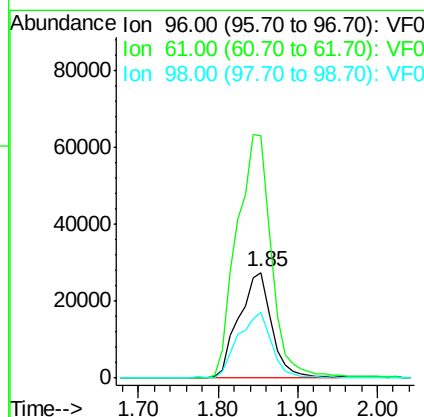
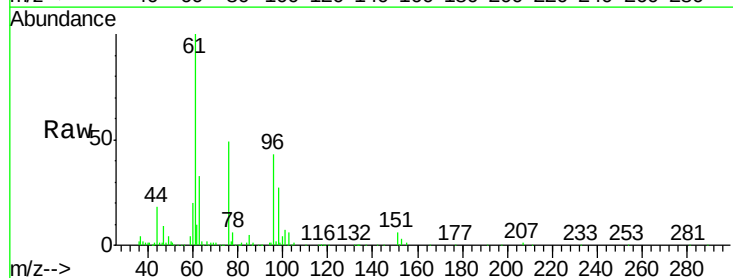
apatel
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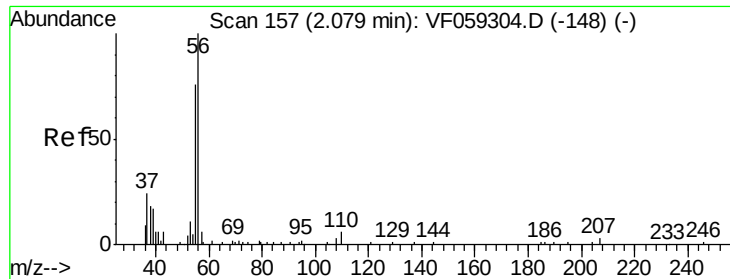


#12

1,1-Dichloroethene
Concen: 49.41 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	96	Resp	79197
Ion Ratio	100	Lower	Upper
61	229.9	201.1	301.7
98	62.7	53.9	80.9





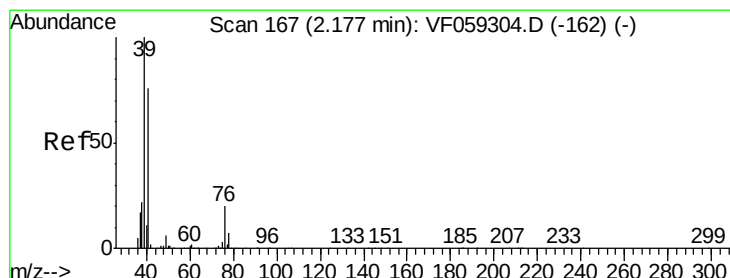
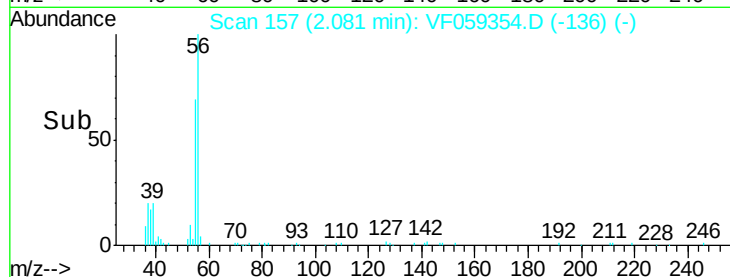
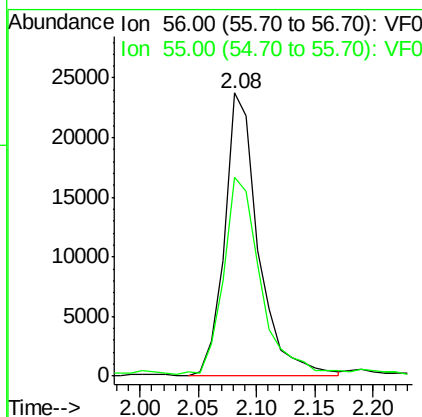
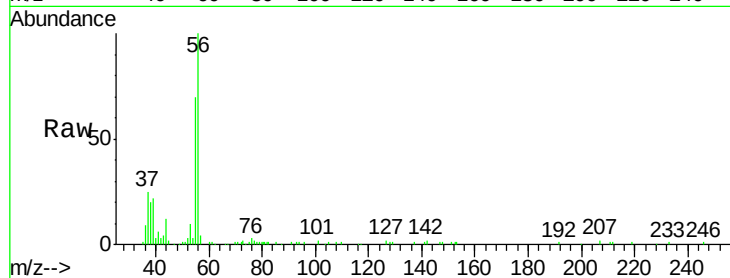
#13
Acrolein
Concen: 445.82 ug/l
RT: 2.08 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.4	62.4	93.6

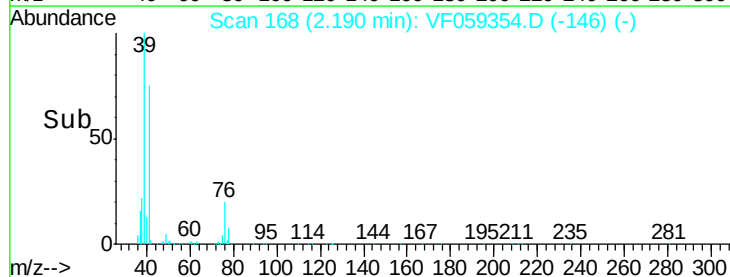
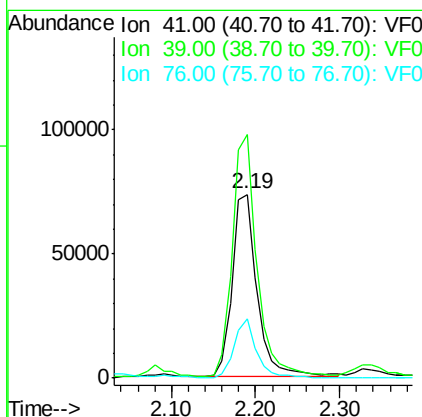
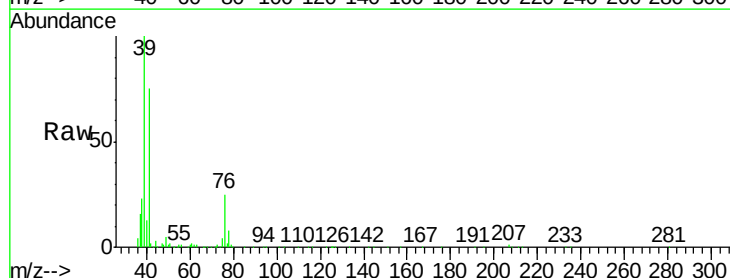
Manual Integrations
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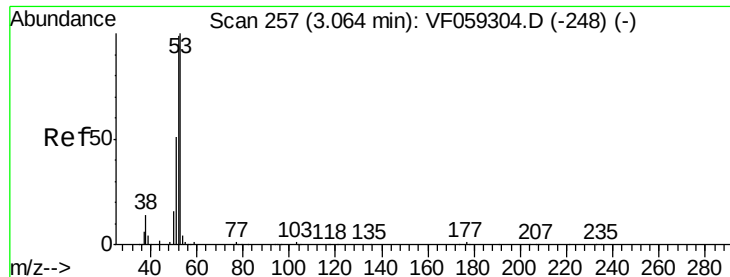
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#14
Allyl chloride
Concen: 50.52 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	132.7	105.6	158.4
76	32.5	21.6	32.4#





#15

Acrylonitrile

Concen: 218.41 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

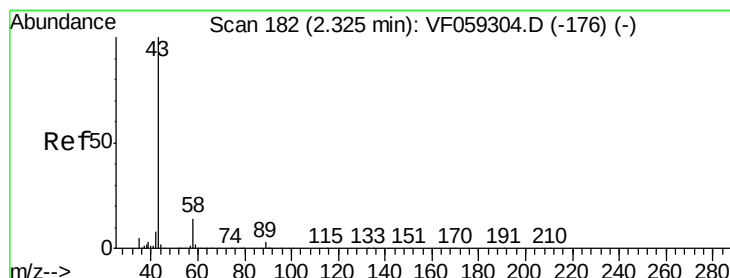
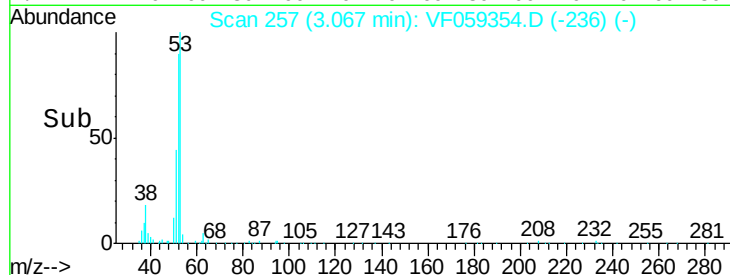
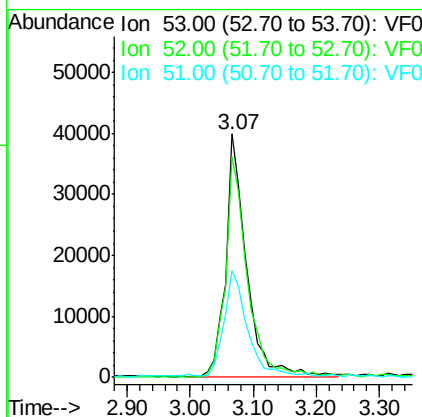
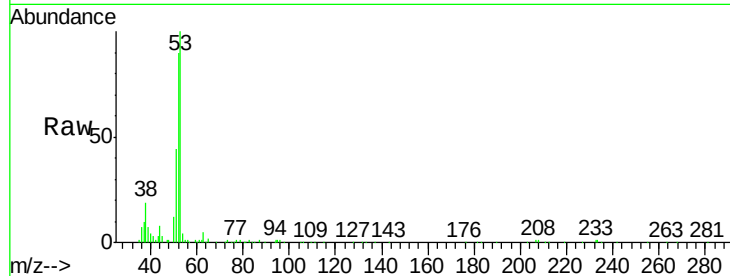
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	89945
Ion	Ratio	Lower	Upper
53	100		
52	90.4	79.2	118.8
51	43.9	40.9	61.3

Manual Integrations
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#16

Acetone

Concen: 299.12 ug/l m

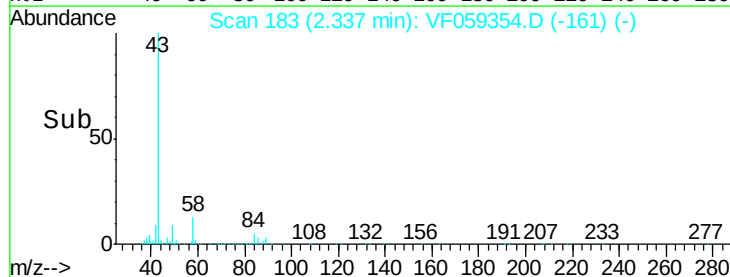
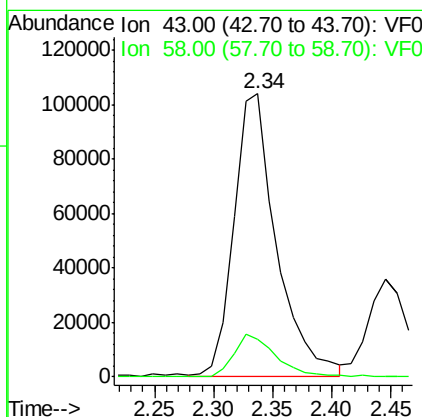
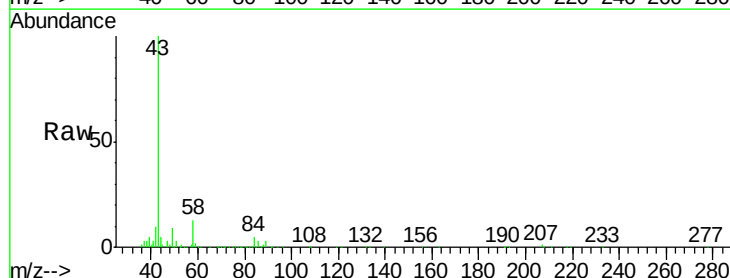
RT: 2.34 min Scan# 183

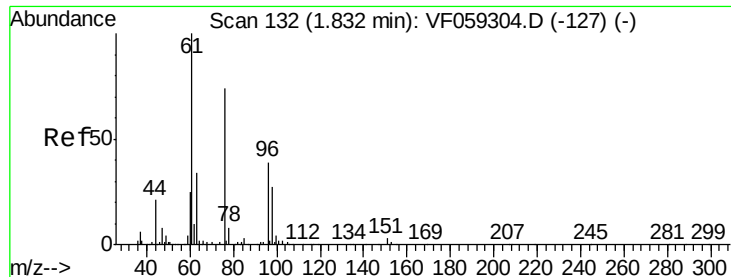
Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	43	Resp:	260654
Ion	Ratio	Lower	Upper
43	100		
58	13.2	11.4	17.0





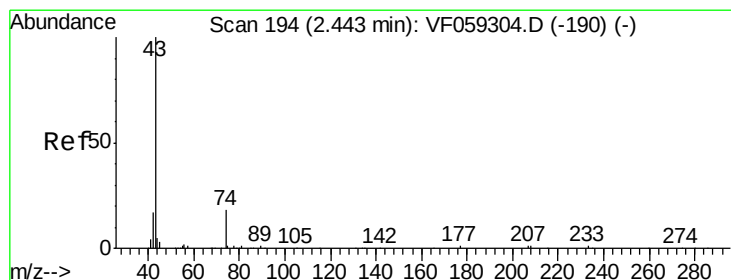
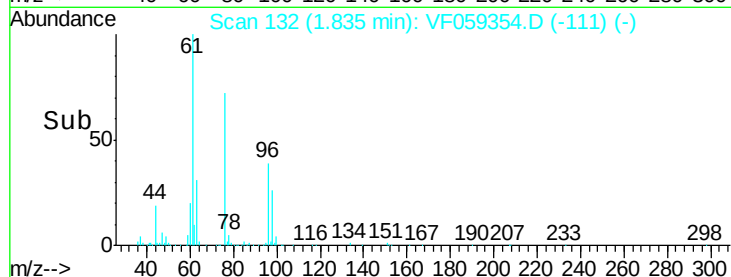
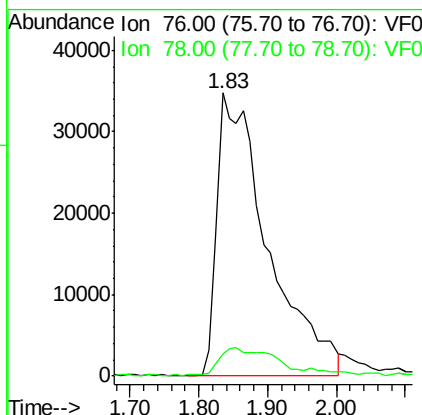
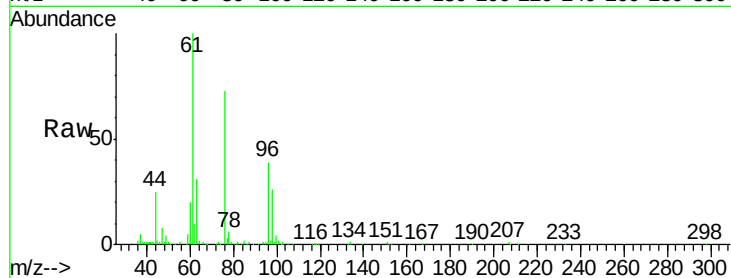
#17
Carbon Disulfide
Concen: 46.91 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	176891		
78	7.8	8.9	13.3#	

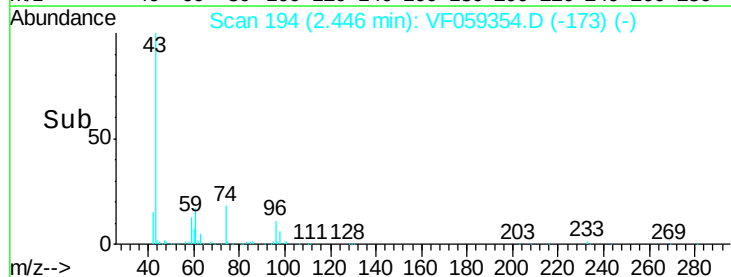
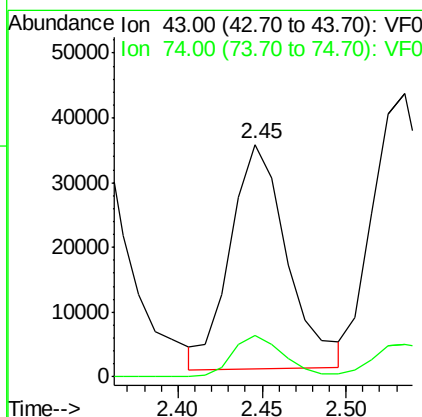
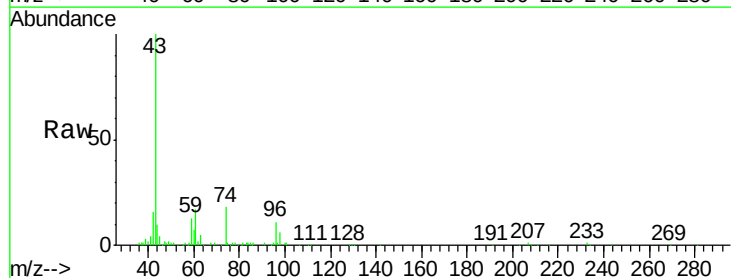
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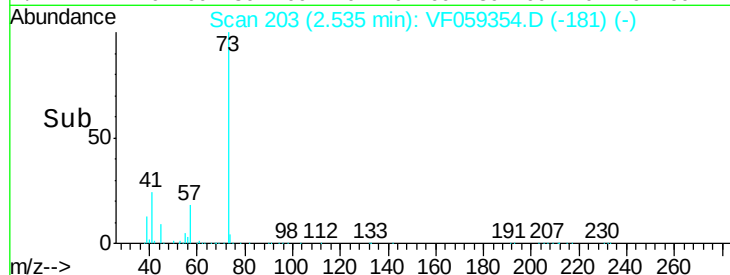
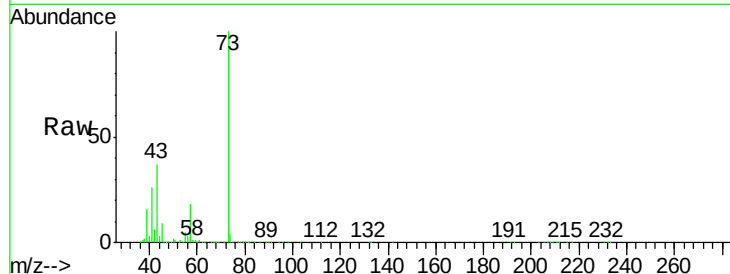
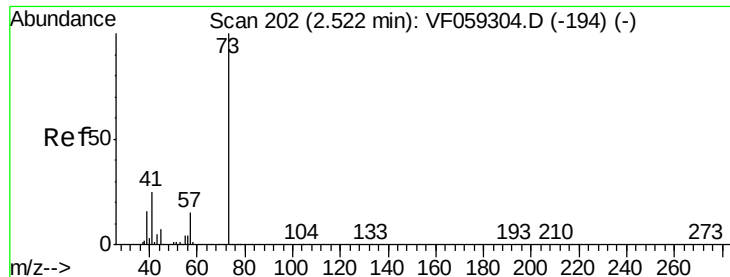
apatel
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#18
Methyl Acetate
Concen: 51.26 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	81220		
74	17.9	13.3	19.9	





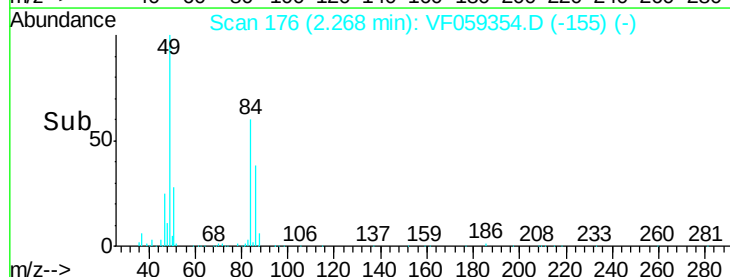
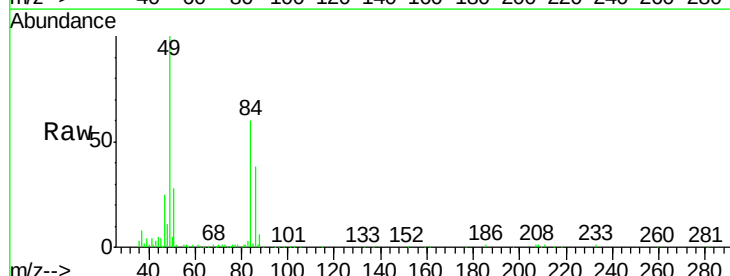
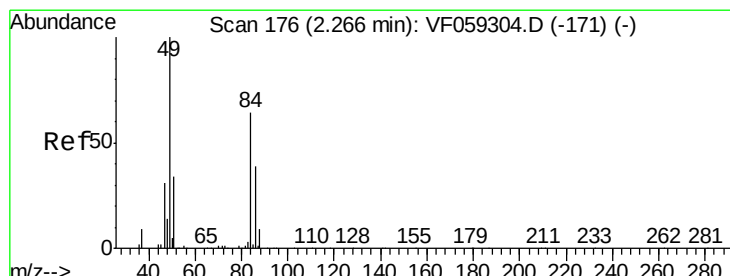
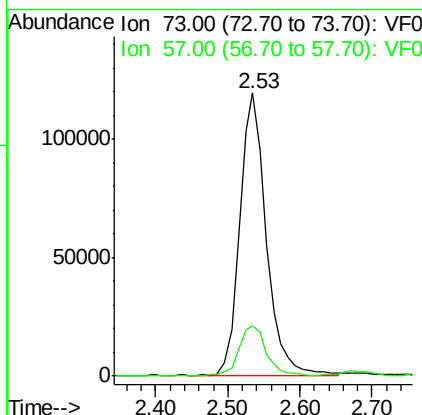
#19
Methyl tert-butyl Ether
Concen: 51.54 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	12.3	18.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

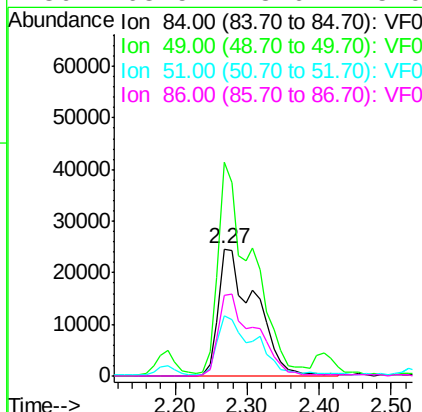
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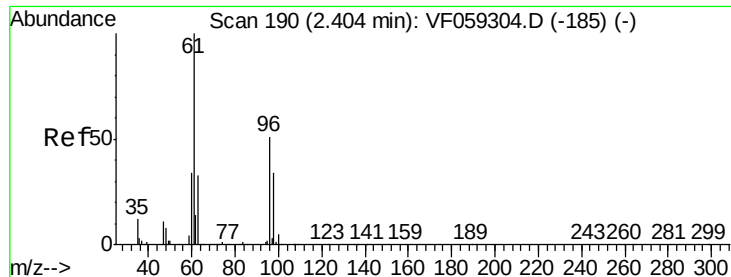
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#20
Methylene Chloride
Concen: 42.71 ug/l
RT: 2.27 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	167.8	126.5	189.7
51	47.7	42.9	64.3
86	63.5	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 47.43 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

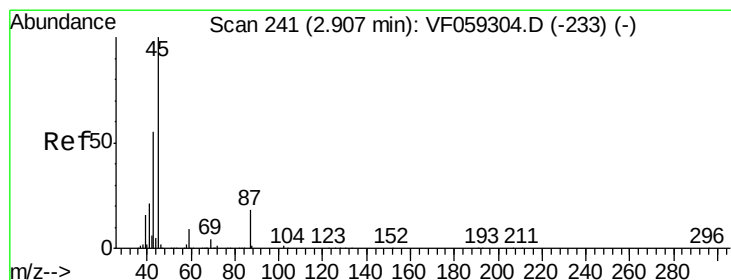
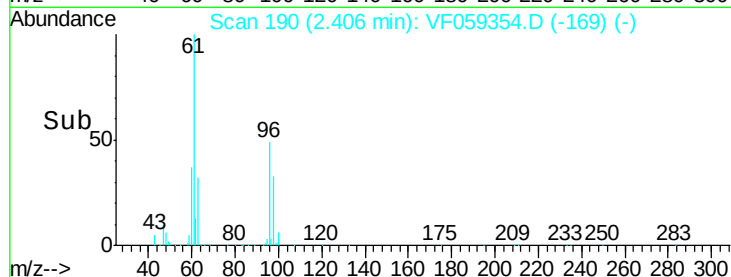
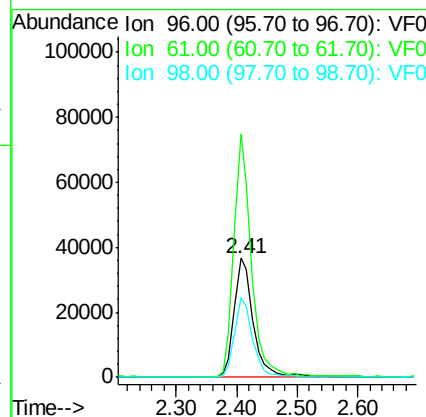
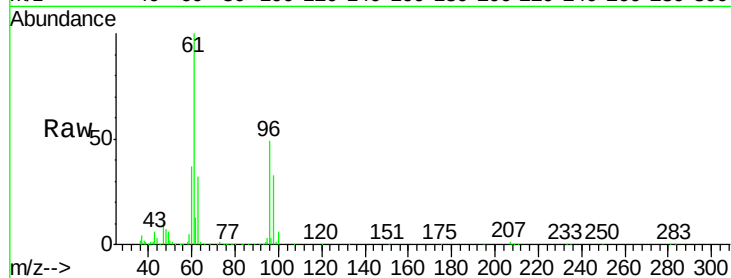
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	81097
Ion Ratio	Lower	Upper	
96	100		
61	204.6	157.4	236.2
98	67.3	53.7	80.5

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#22

Diisopropyl ether

Concen: 48.42 ug/l

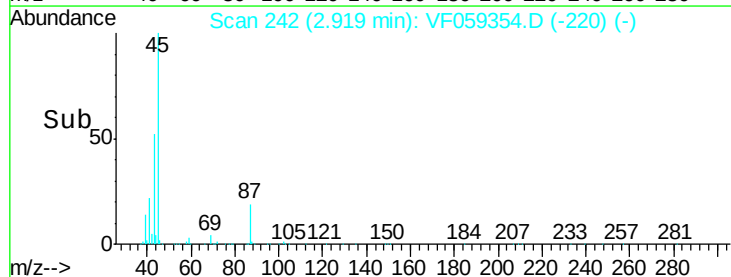
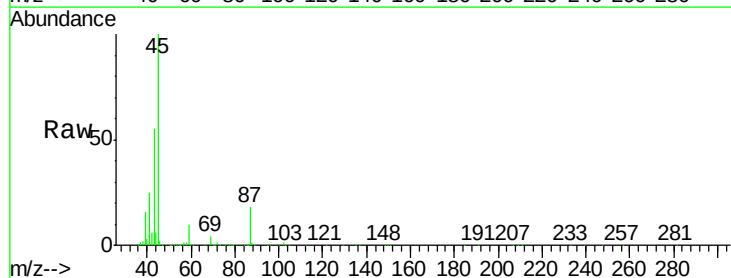
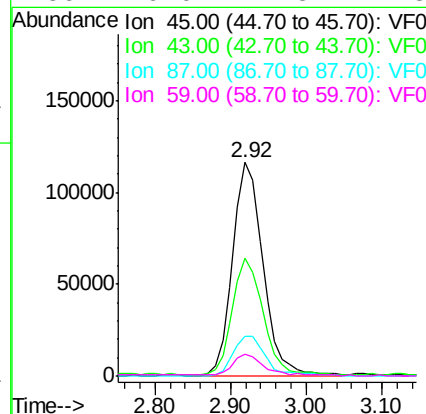
RT: 2.92 min Scan# 242

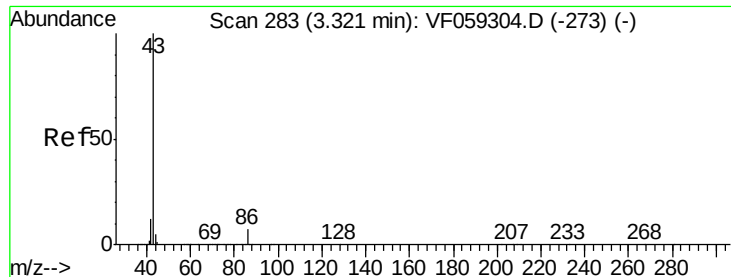
Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	45	Resp:	322608
Ion Ratio	Lower	Upper	
45	100		
43	55.0	44.6	66.8
87	18.5	14.3	21.5
59	10.0	7.5	11.3





#23

Vinyl Acetate

Concen: 242.54 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1029208

Ion Ratio Lower Upper

43 100

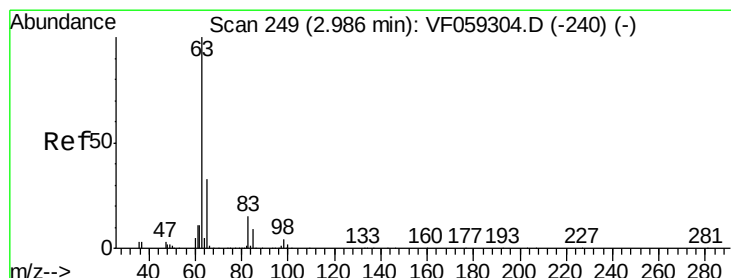
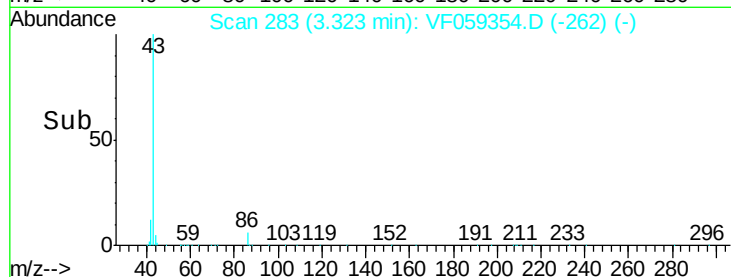
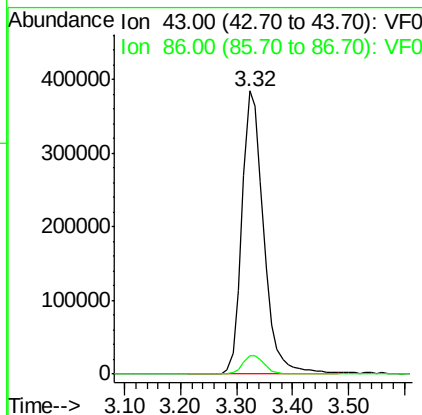
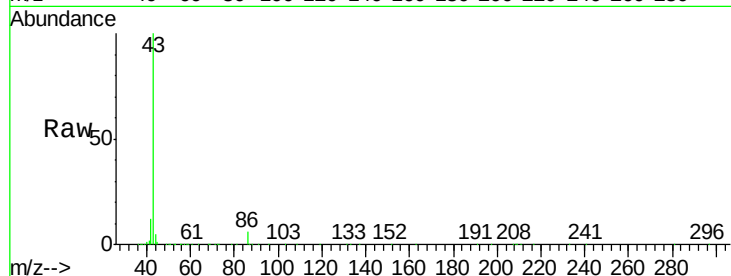
86 6.3 5.8 8.6

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#24

1,1-Dichloroethane

Concen: 46.08 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

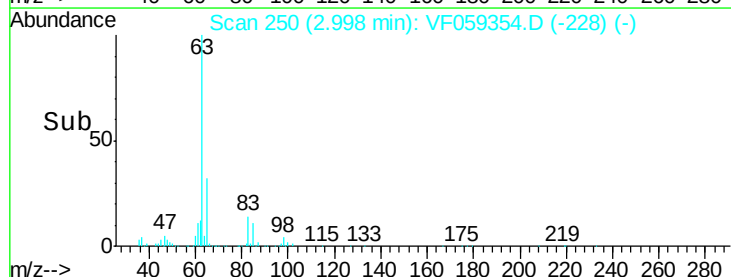
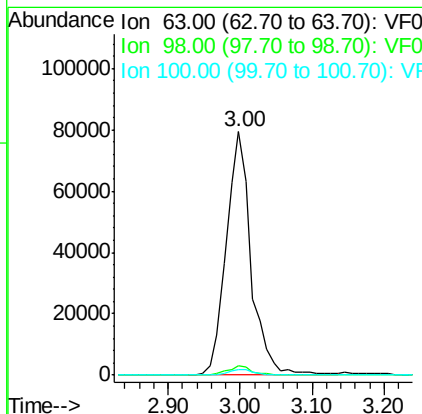
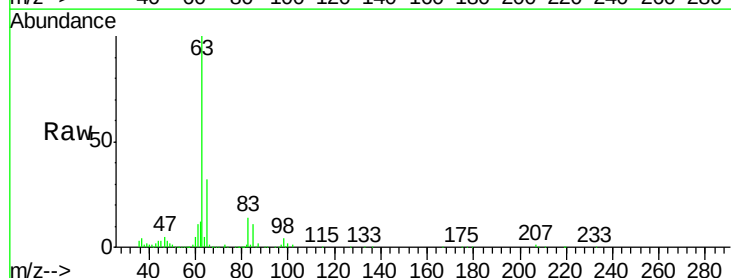
Tgt Ion: 63 Resp: 190355

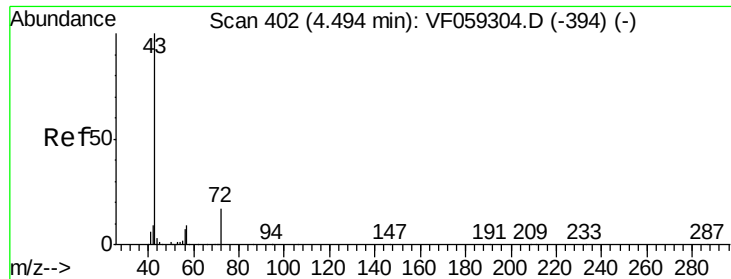
Ion Ratio Lower Upper

63 100

98 3.9 2.0 6.0

100 2.4 1.3 3.9





#25

2-Butanone

Concen: 261.59 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tot Ion: 43 Resp: 277834

Ion Ratio Lower Upper

43 100

72 17.9 14.4 21.6

Instrument :

MSVOA_F

ClientSampleId :

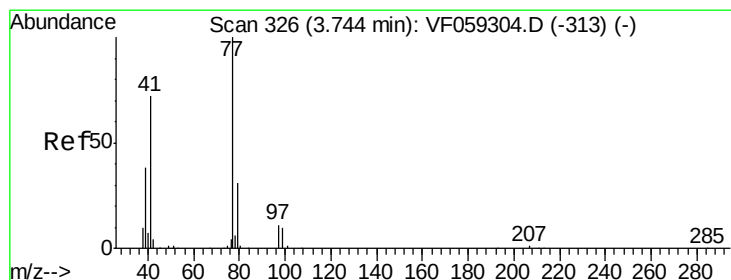
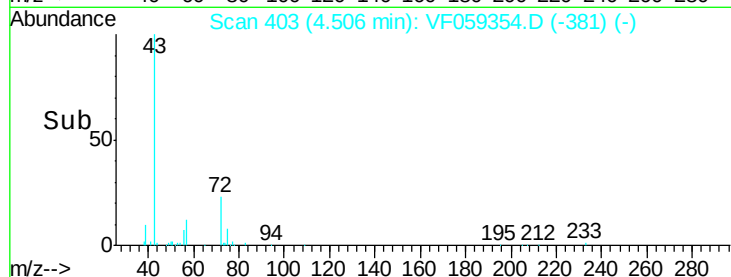
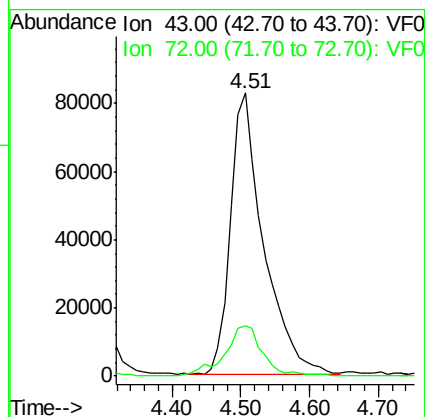
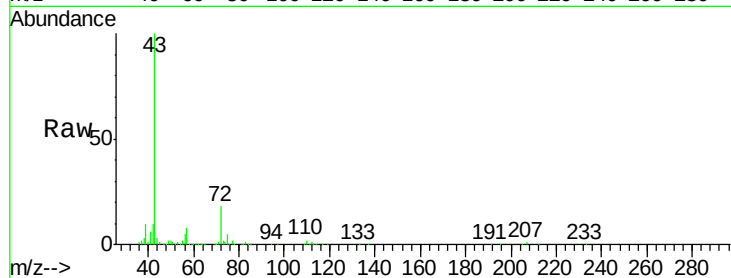
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 49.91 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059354.D

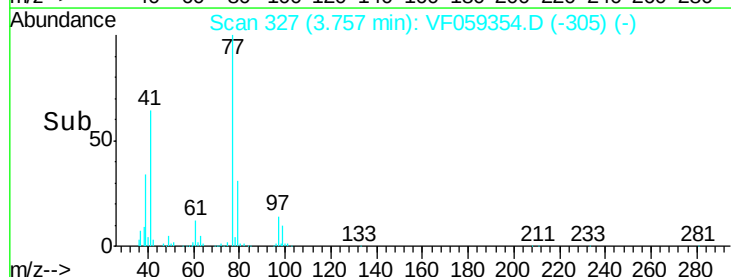
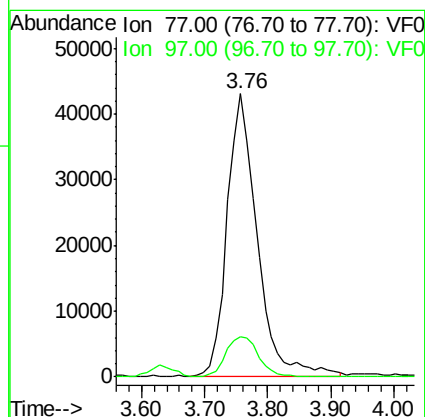
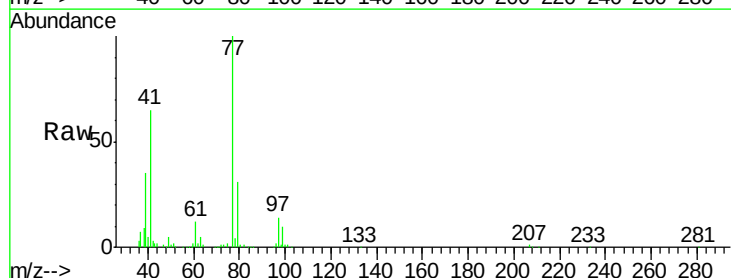
Acq: 28 Jun 2018 11:16

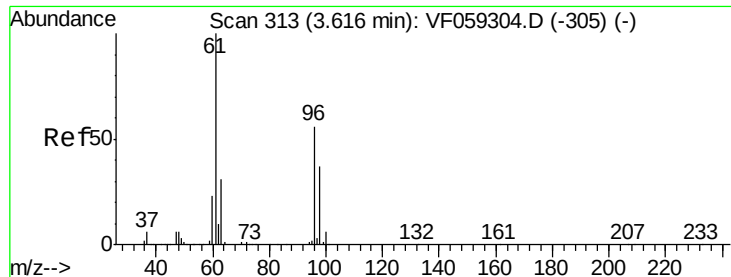
Tgt Ion: 77 Resp: 142201

Ion Ratio Lower Upper

77 100

97 14.4 8.0 23.8





#27

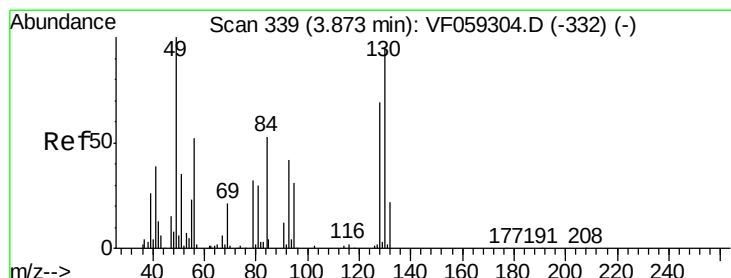
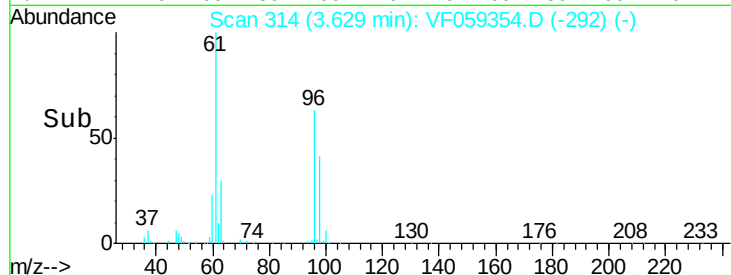
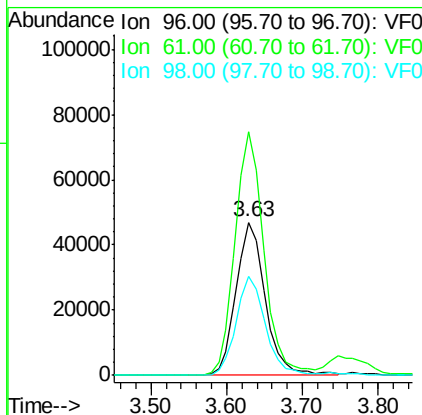
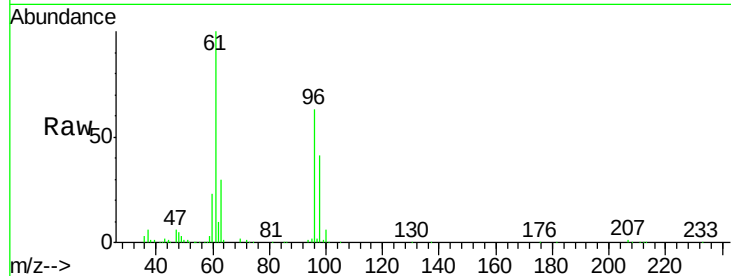
cis-1,2-Dichloroethene
Concen: 48.40 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	355.4
98	65.1	0.0	131.0

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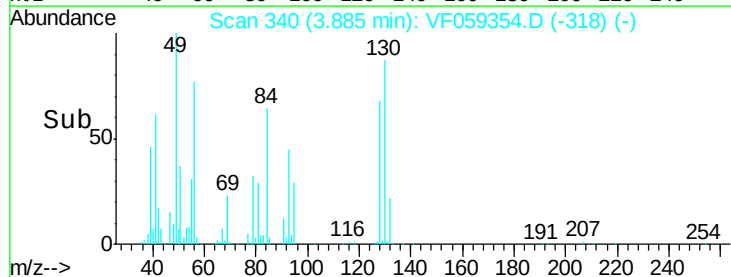
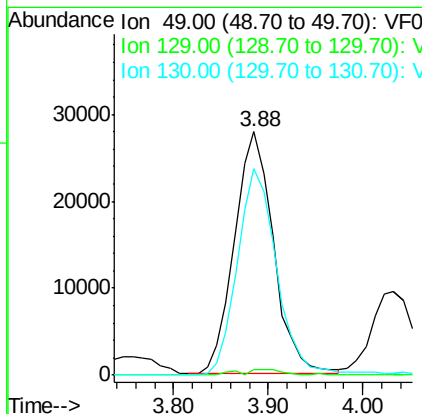
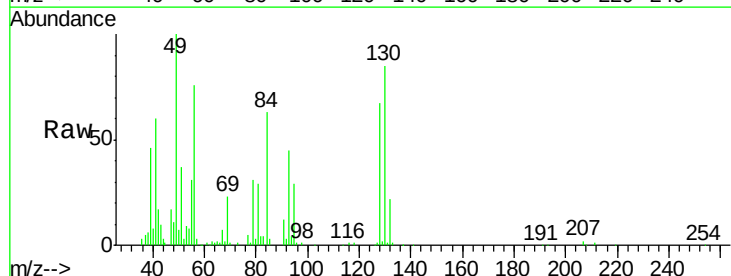
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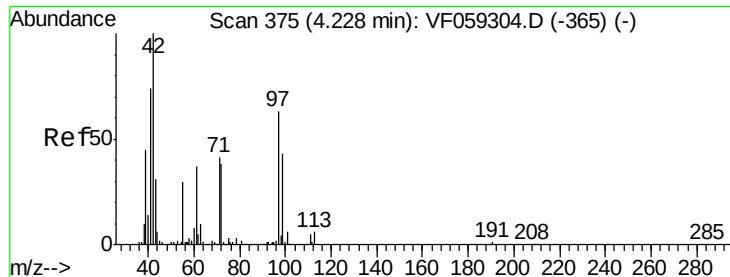


#28

Bromochloromethane
Concen: 50.21 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	6.4
130	84.9	75.1	112.7





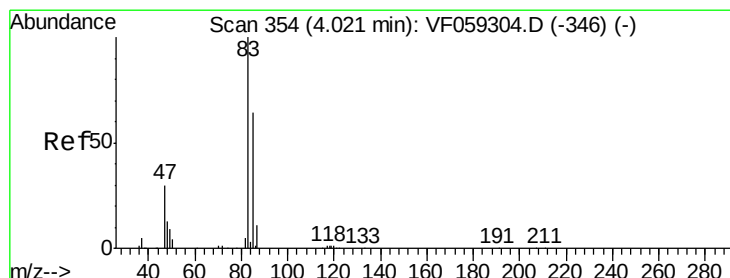
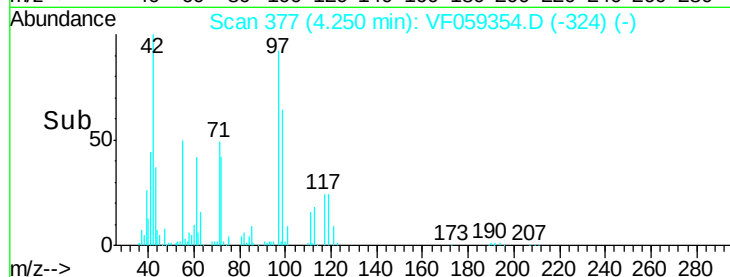
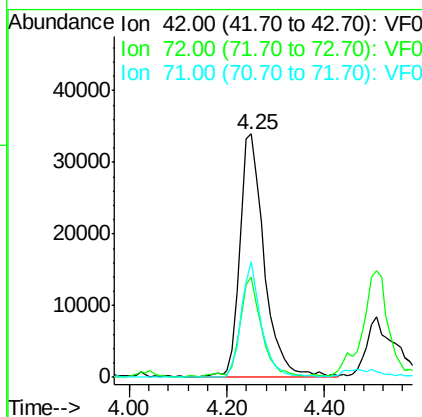
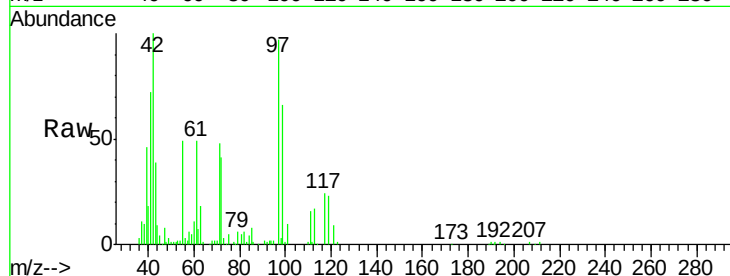
#29
Tetrahydrofuran
Concen: 263.97 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	30.5	45.7
71	38.0	32.5	48.7

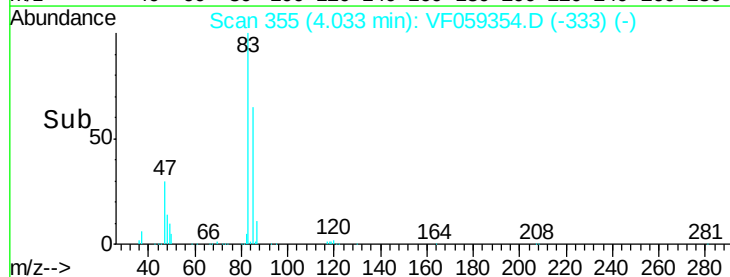
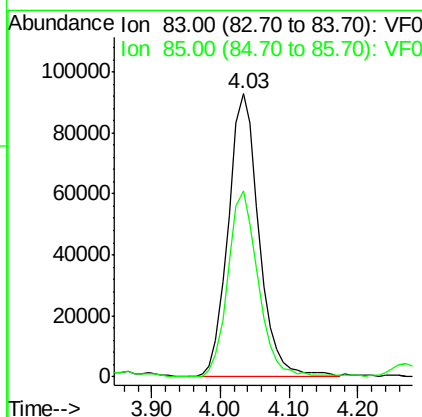
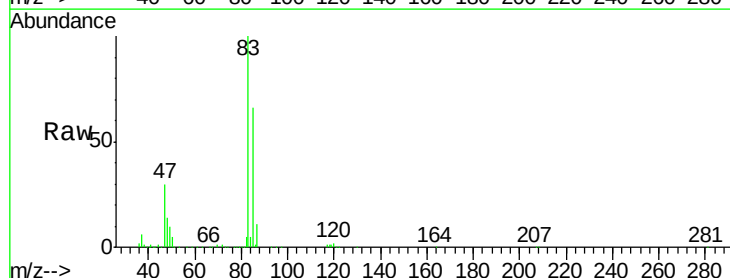
Manual Integrations
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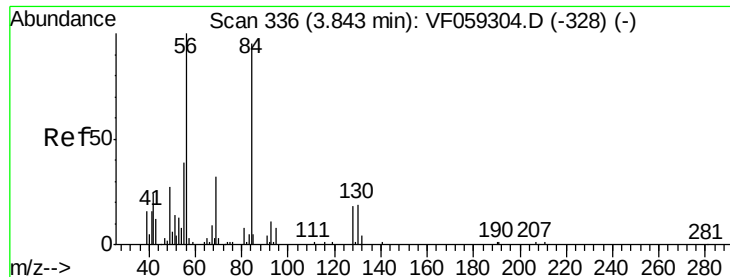
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#30
Chloroform
Concen: 48.07 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9





#31

Cyclohexane

Concen: 44.00 ug/l

RT: 3.86 min Scan# 337

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

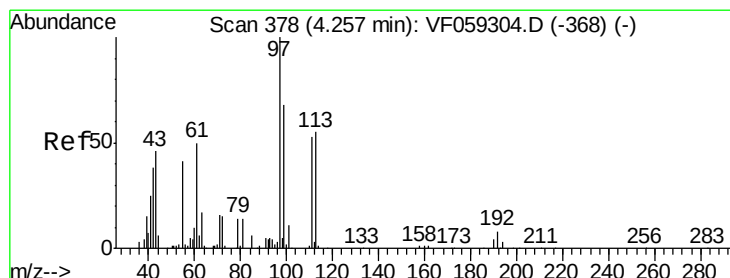
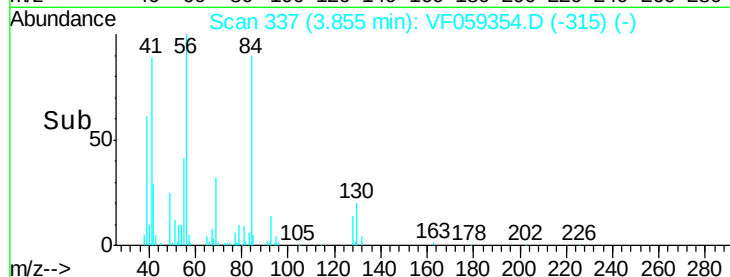
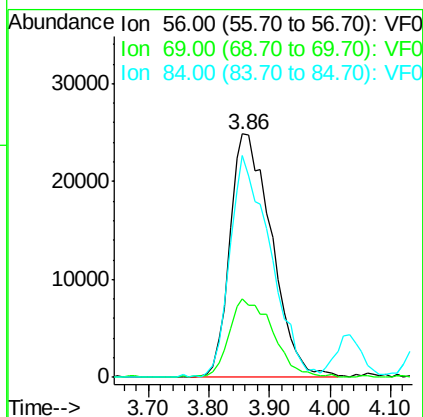
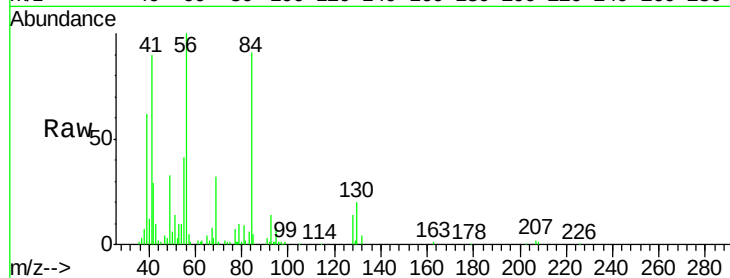
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	119076
Ion Ratio	Lower	Upper	
56	100		
69	32.2	25.8	38.8
84	90.9	75.6	113.4

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#32

1,1,1-Trichloroethane

Concen: 49.80 ug/l

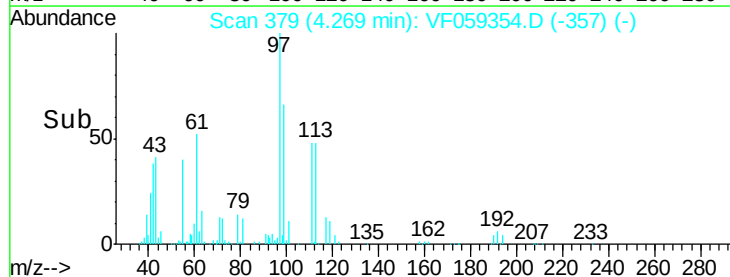
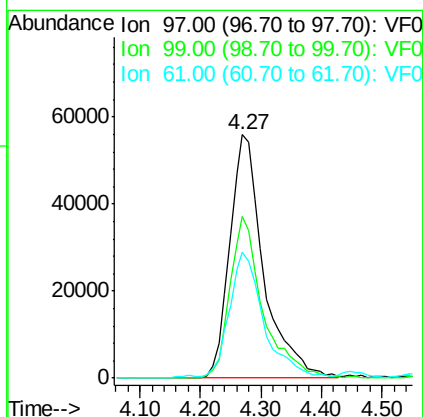
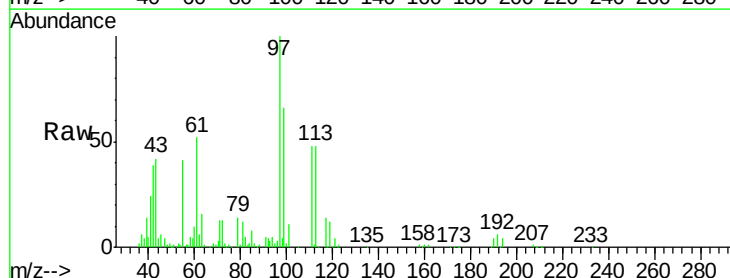
RT: 4.27 min Scan# 379

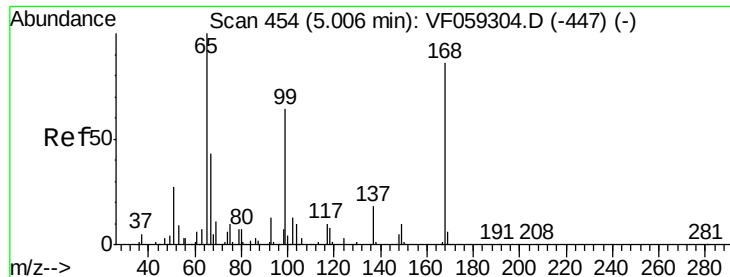
Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	97	Resp:	217934
Ion Ratio	Lower	Upper	
97	100		
99	66.3	54.1	81.1
61	51.6	41.2	61.8





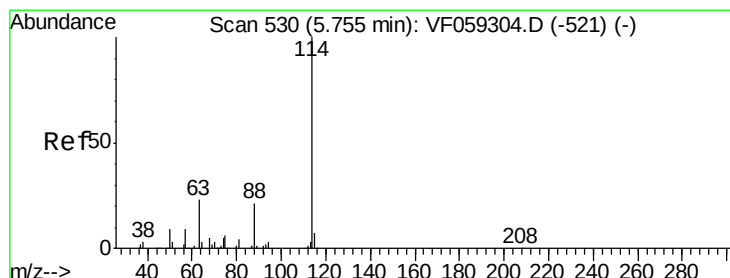
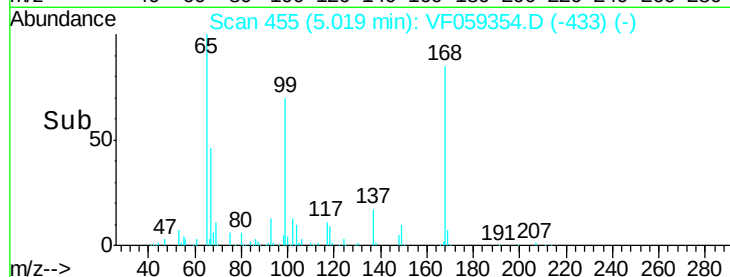
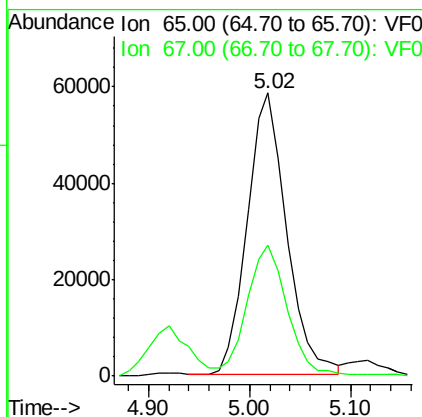
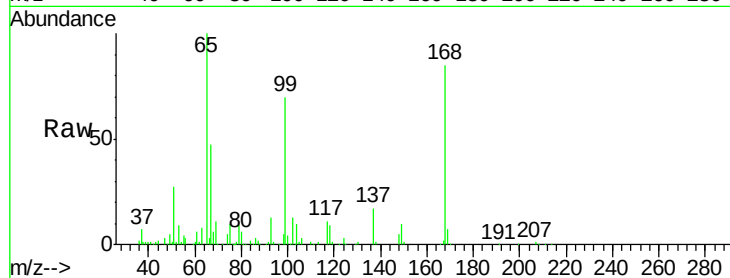
#33
 1,2-Dichloroethane-d4
 Concen: 45.40 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	159460		
67	46.5	0.0	96.8	

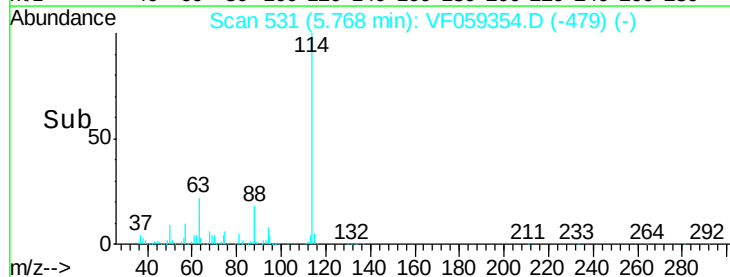
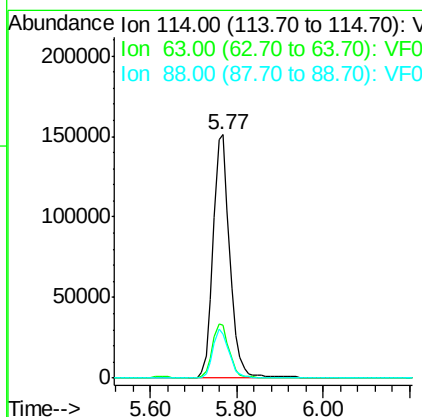
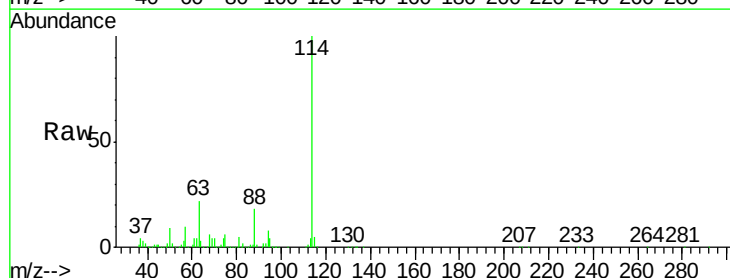
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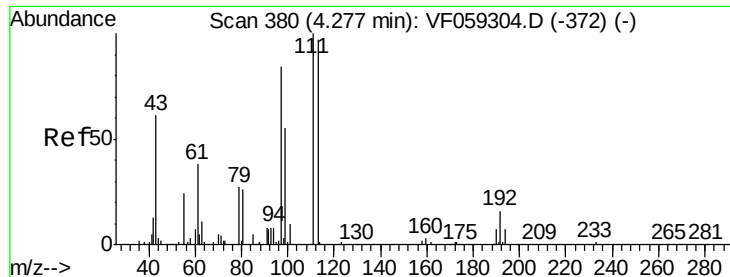
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	407761		
63	21.7	0.0	45.8	
88	18.2	0.0	41.2	





#35

Dibromofluoromethane

Concen: 46.78 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

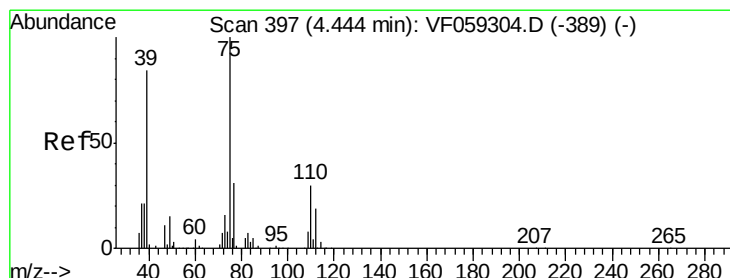
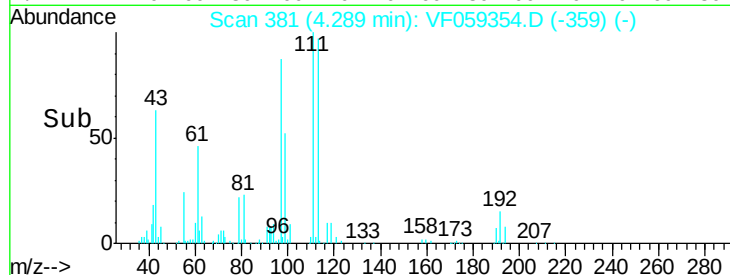
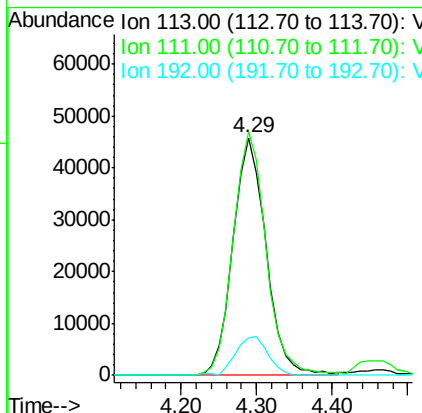
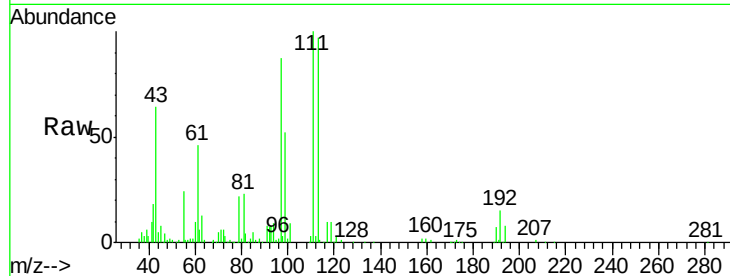
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	139378
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.1	123.1
192	16.0	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 47.75 ug/l

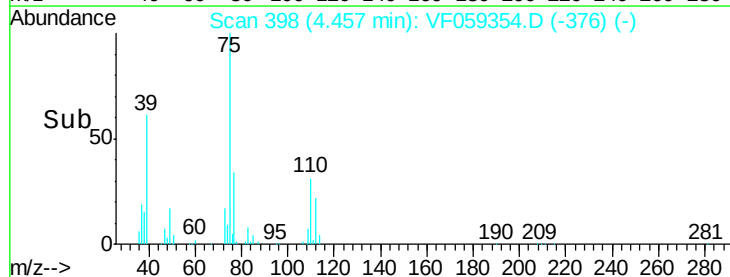
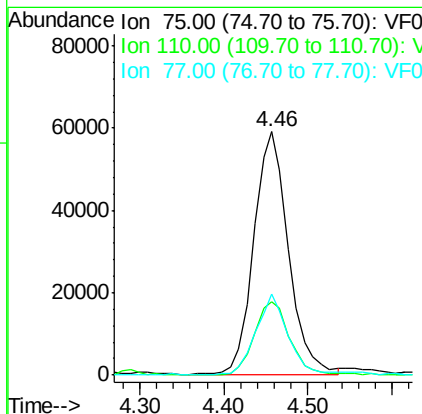
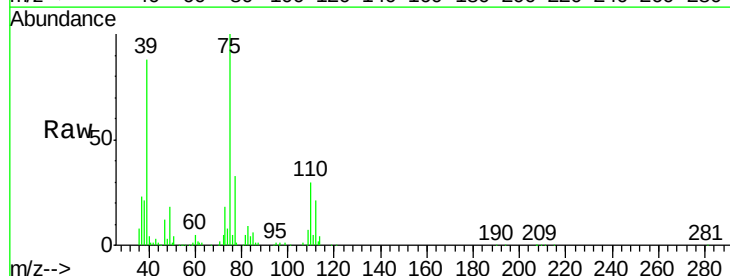
RT: 4.46 min Scan# 398

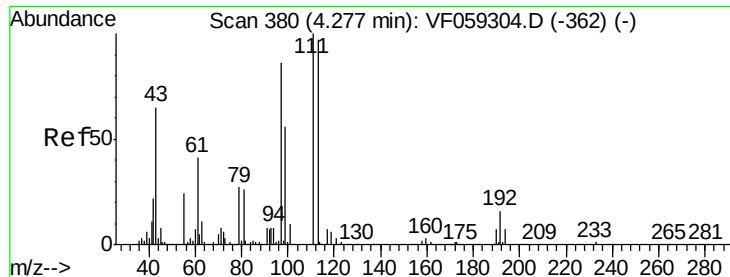
Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	75	Resp:	170106
Ion Ratio	Lower	Upper	
75	100		
110	30.0	14.8	44.4
77	33.2	25.2	37.8





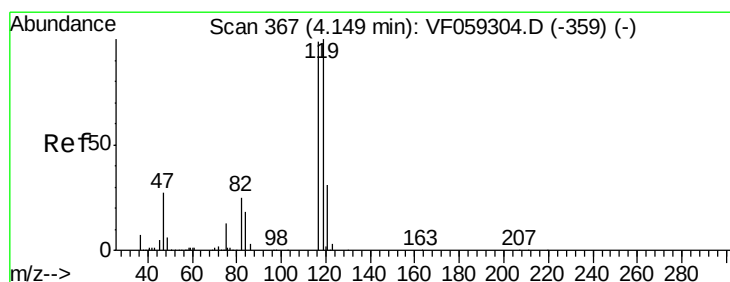
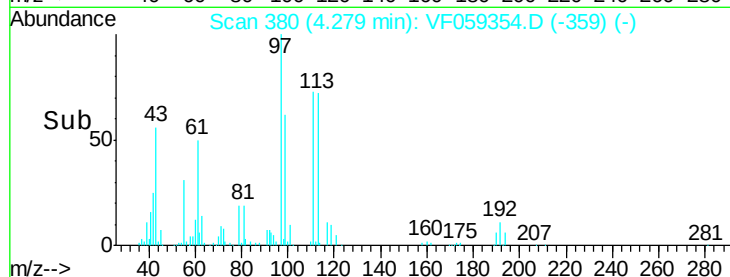
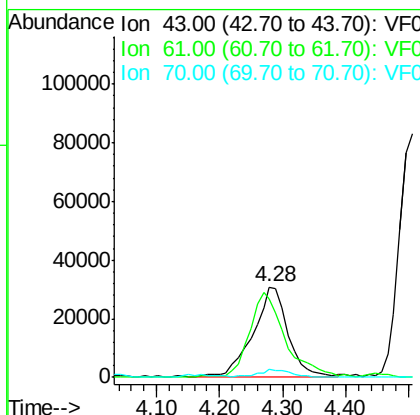
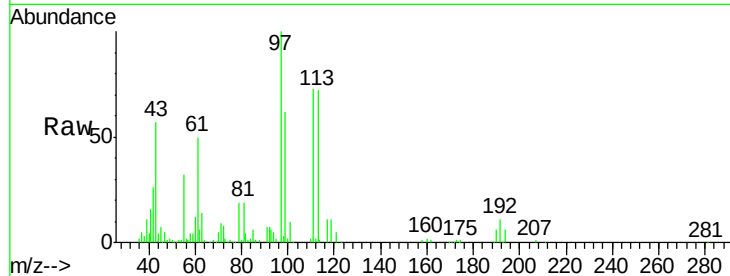
#37
Ethyl Acetate
Concen: 50.42 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	87.5	50.1	75.1#
70	8.5	6.2	9.4

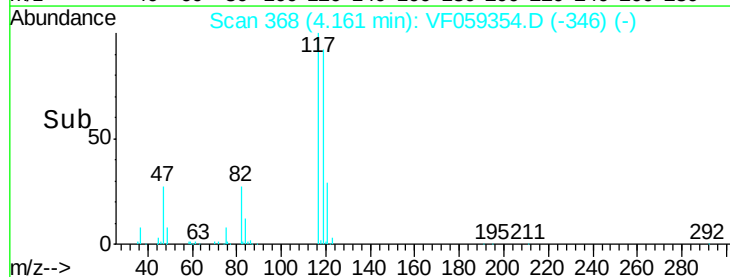
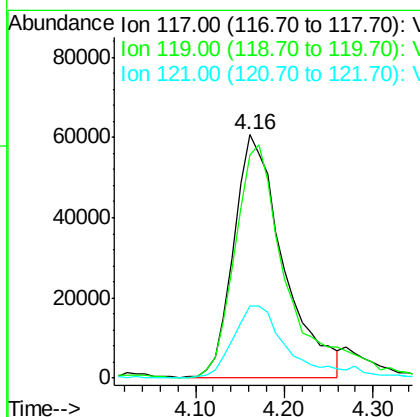
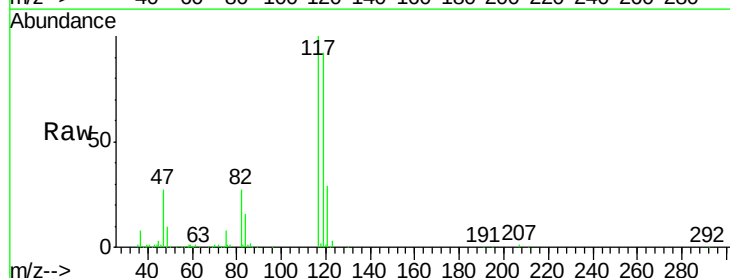
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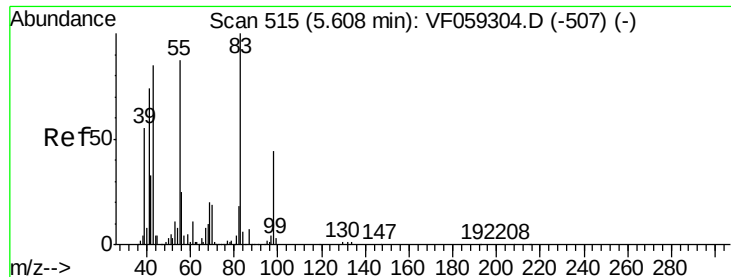
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#38
Carbon Tetrachloride
Concen: 52.59 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	81.0	121.4
121	29.5	24.7	37.1





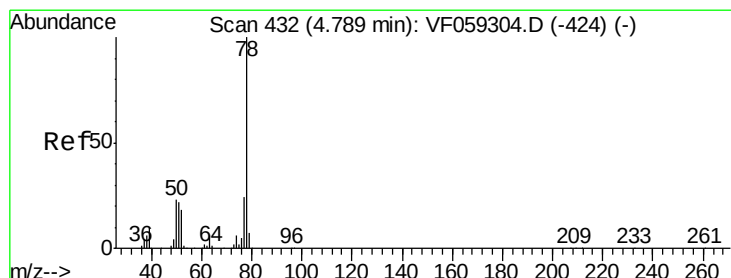
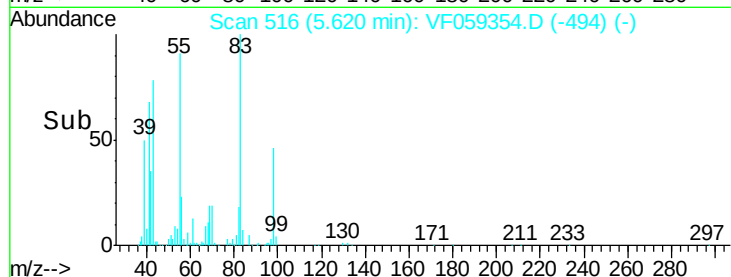
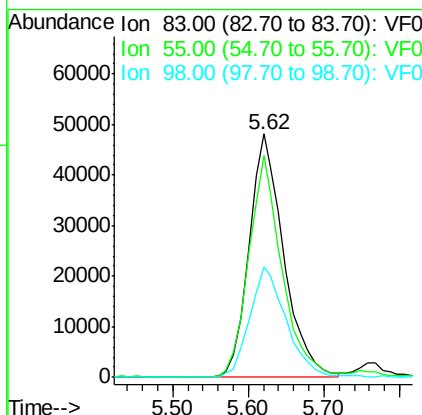
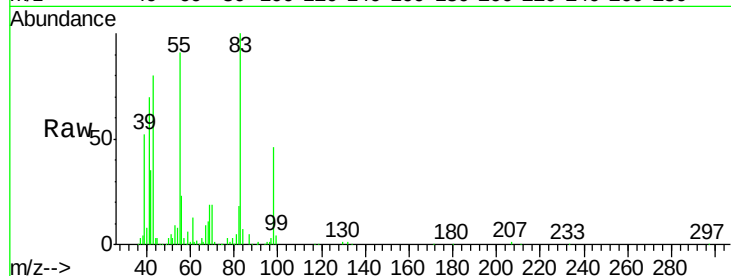
#39
Methylvlcyclohexane
Concen: 48.54 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.2	69.2	103.8
98	45.6	35.0	52.6

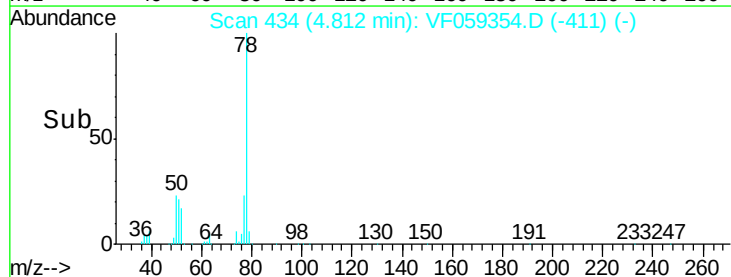
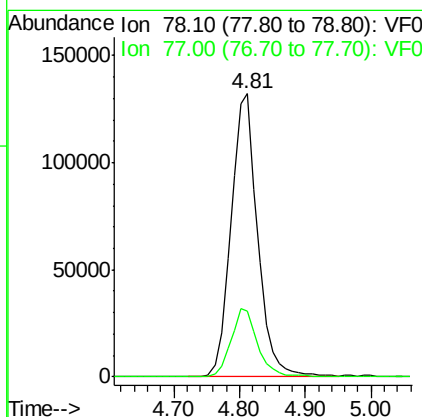
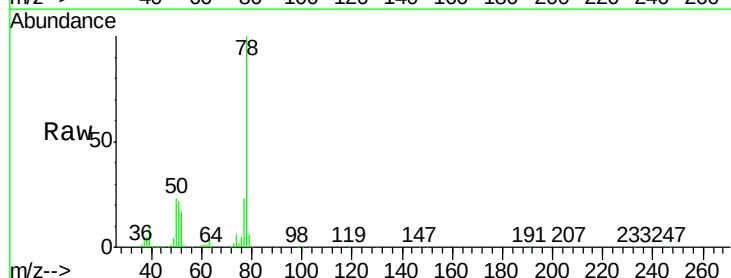
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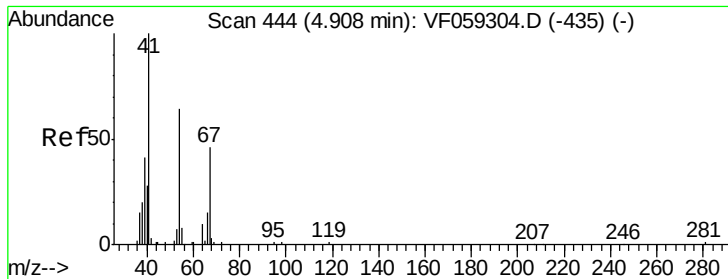
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#40
Benzene
Concen: 47.51 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.02 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.6	29.4





#41

Methacrylonitrile

Concen: 45.59 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF059354.D

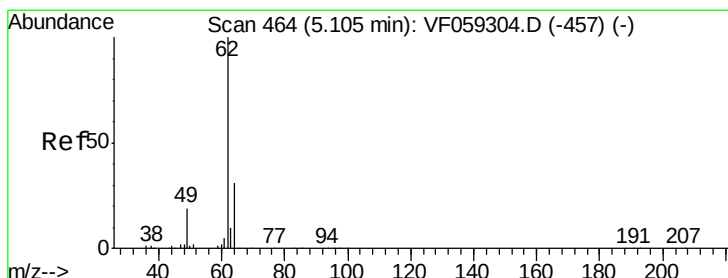
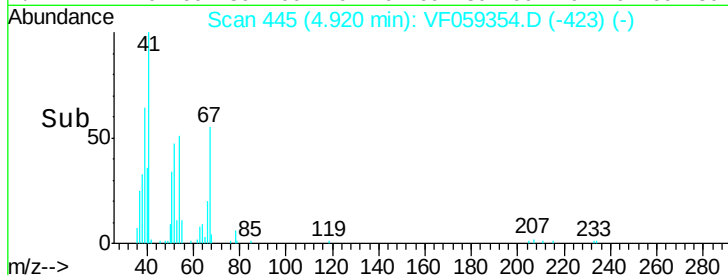
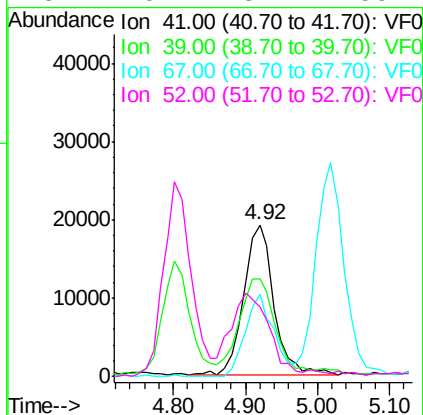
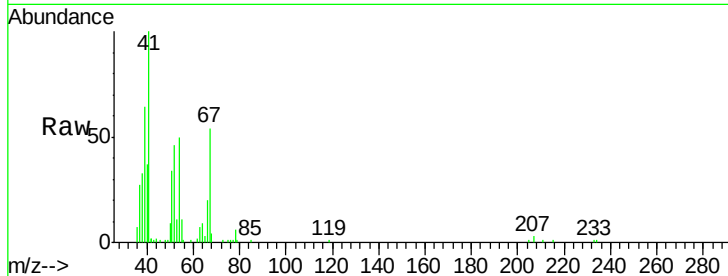
Acq: 28 Jun 2018 11:16

Tot Ion:	41	Resp:	55400
Ion	Ratio	Lower	Upper
41	100		
39	64.3	50.0	75.0
67	53.8	37.0	55.6
52	46.1	37.1	55.7

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#42

1,2-Dichloroethane

Concen: 49.14 ug/l

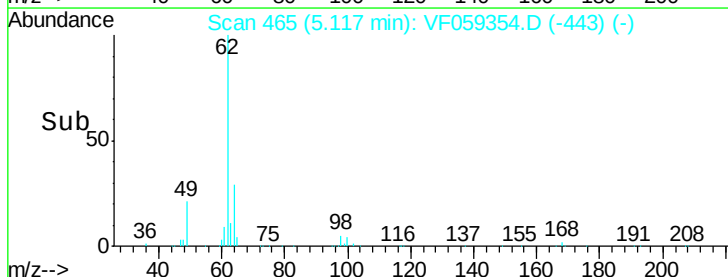
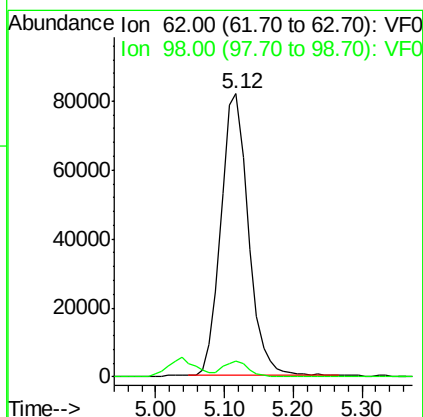
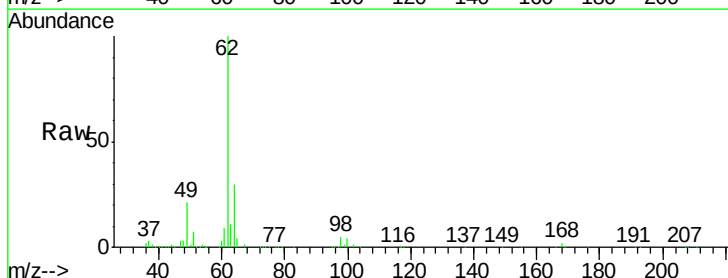
RT: 5.12 min Scan# 465

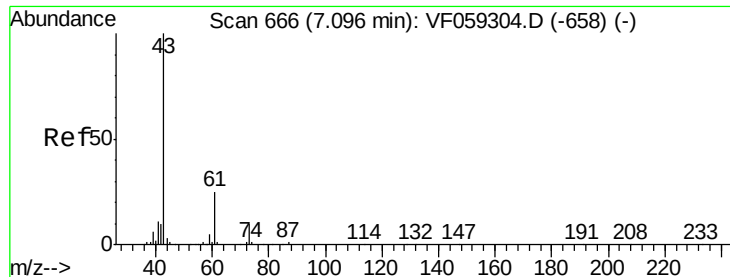
Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	62	Resp:	226788
Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	11.4





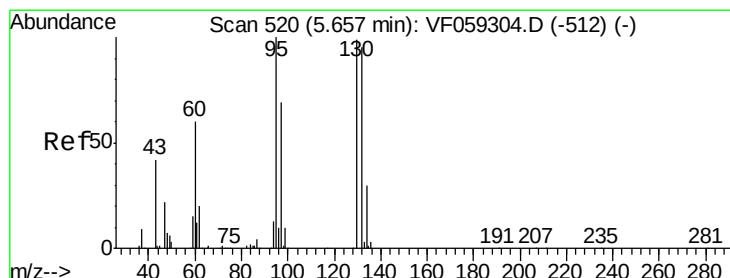
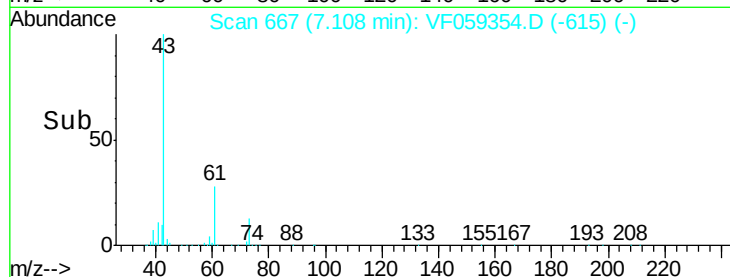
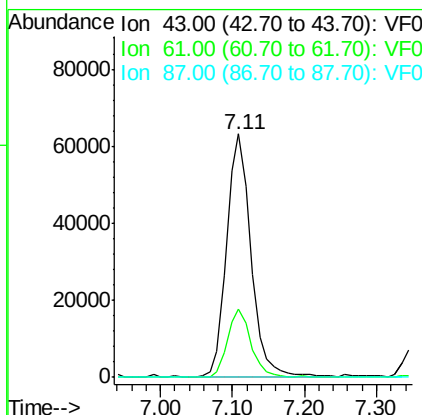
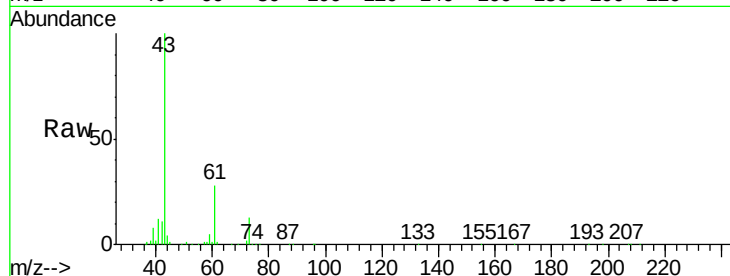
#43
Isopropyl Acetate
Concen: 50.54 ug/l
RT: 7.11 min Scan# 667
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	19.7	29.5
87	0.3	0.5	0.7

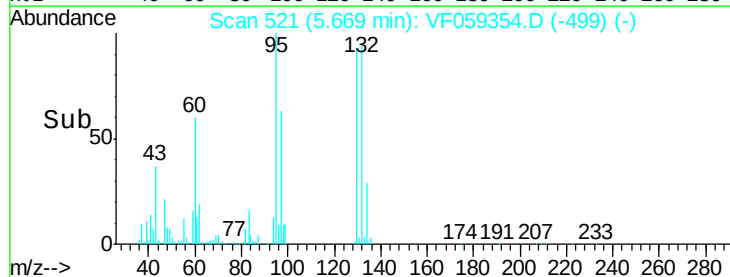
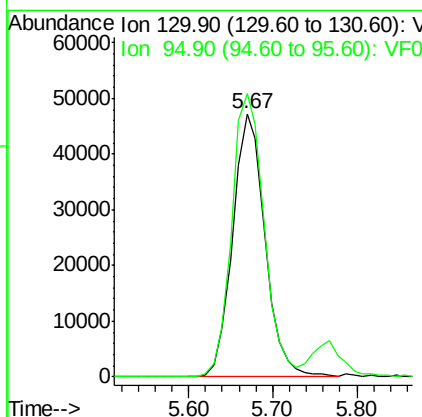
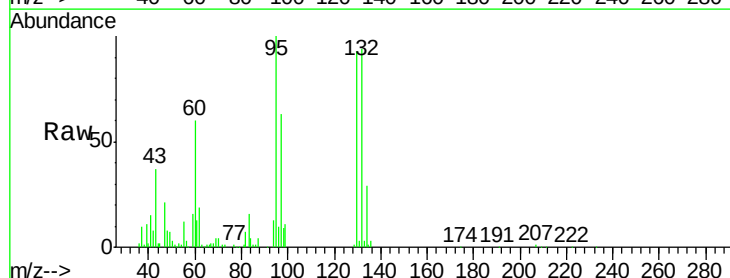
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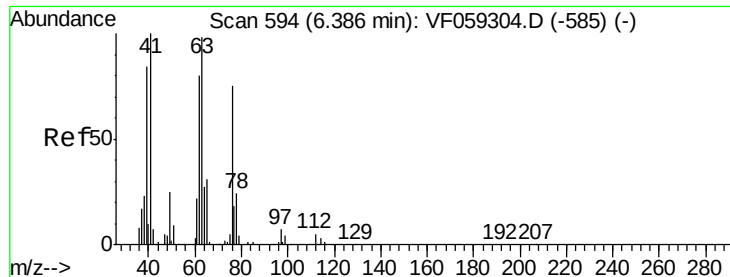
apatel
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#44
Trichloroethene
Concen: 46.61 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	202.4





#45

1,2-Dichloropropane

Concen: 50.22 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tot Ion: 63 Resp: 113318

Ion Ratio Lower Upper

63 100

65 28.0 25.3 37.9

Instrument :

MSVOA_F

ClientSampleId :

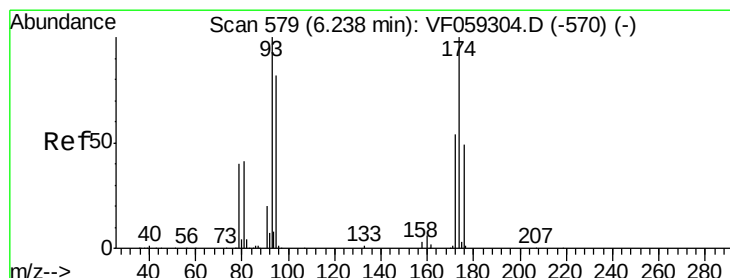
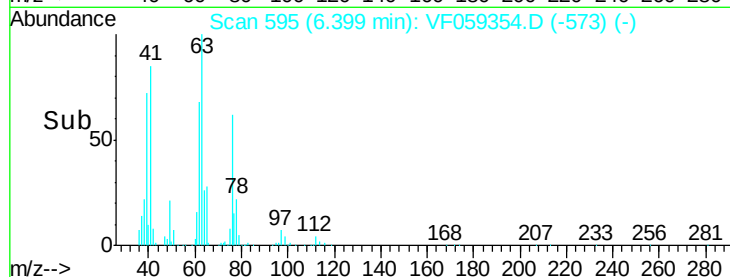
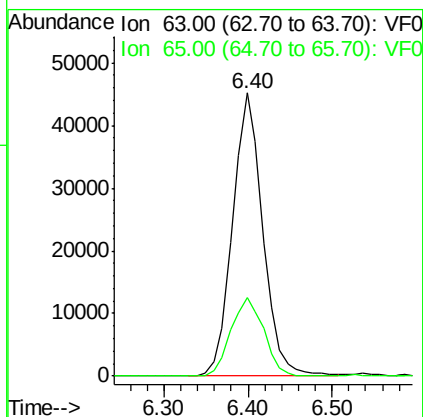
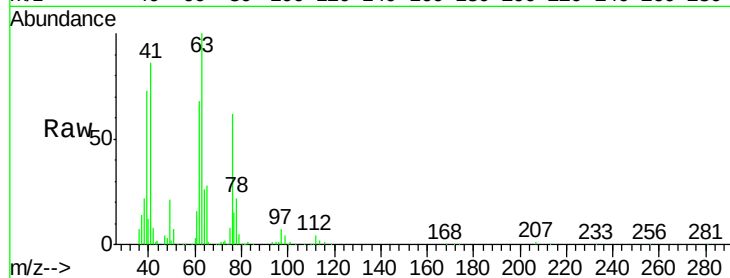
VSTDCCC050

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#46

Dibromomethane

Concen: 50.44 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

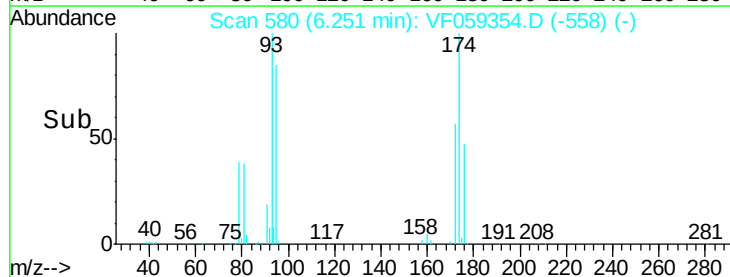
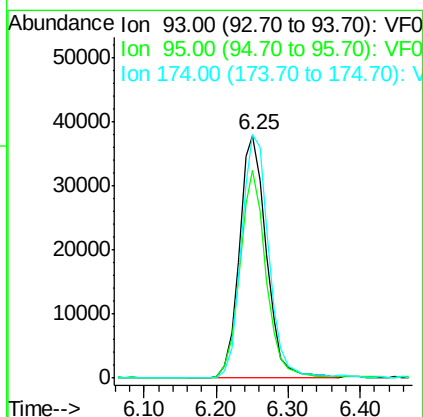
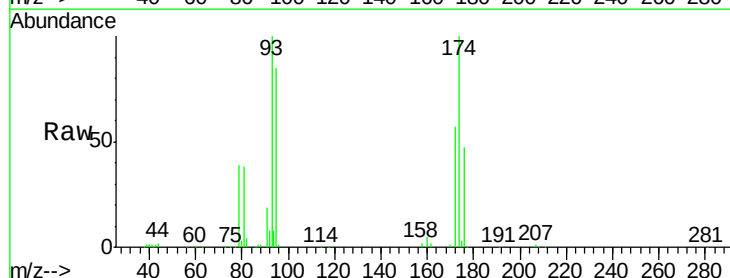
Tgt Ion: 93 Resp: 98793

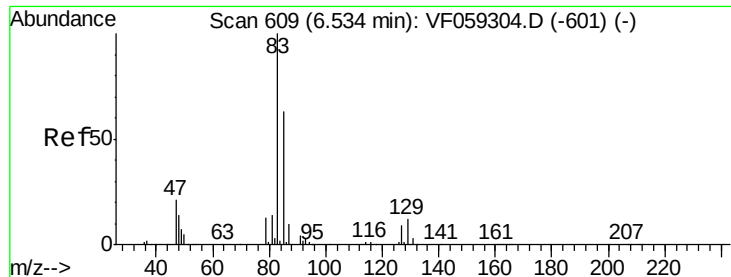
Ion Ratio Lower Upper

93 100

95 85.8 65.6 98.4

174 100.4 80.0 120.0





#47

Bromodichloromethane

Concen: 50.42 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

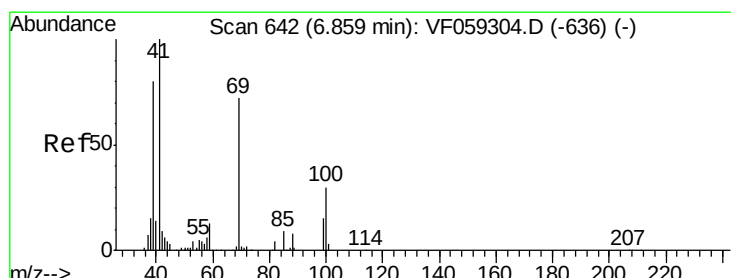
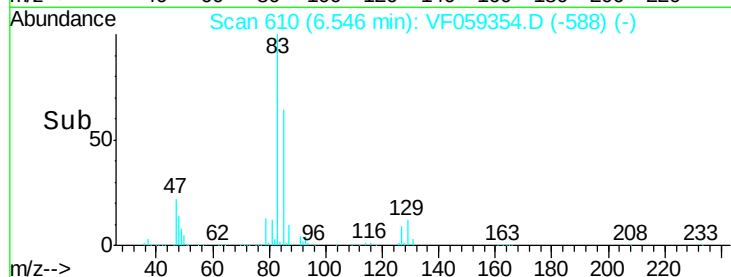
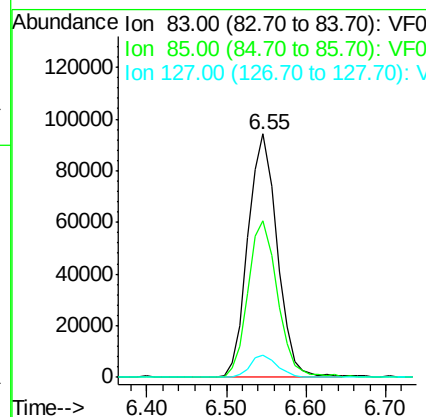
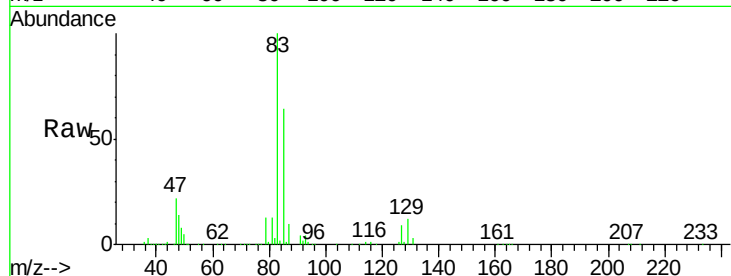
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	239046
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.2	75.2
127	9.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.07 ug/l

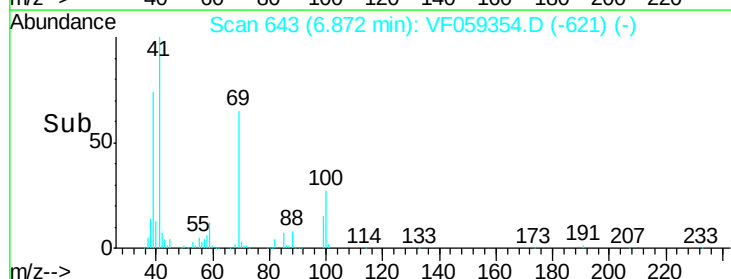
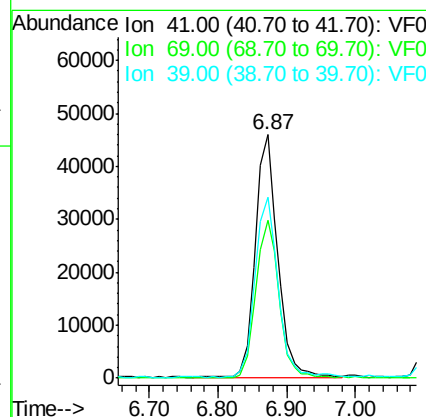
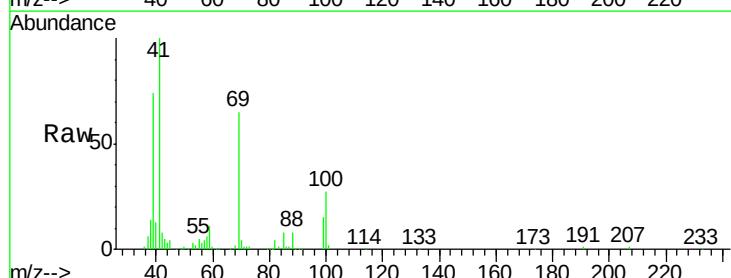
RT: 6.87 min Scan# 643

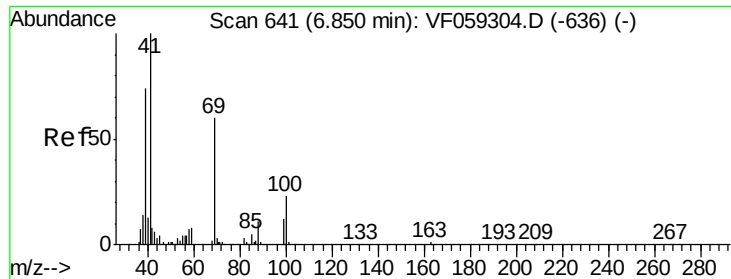
Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	41	Resp:	103536
Ion	Ratio	Lower	Upper
41	100		
69	65.0	57.3	85.9
39	74.2	64.4	96.6





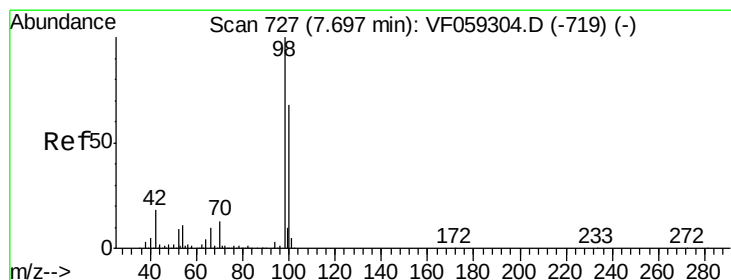
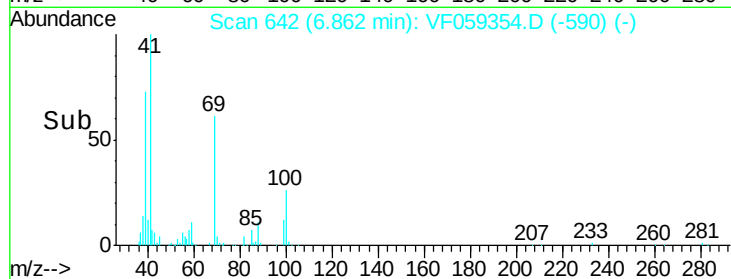
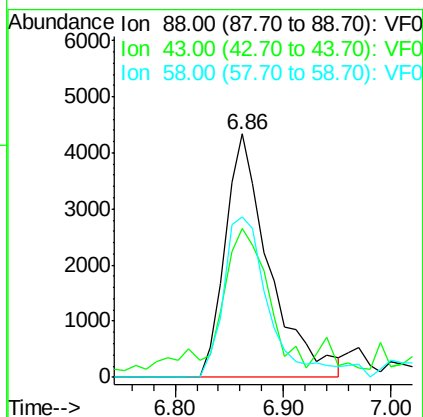
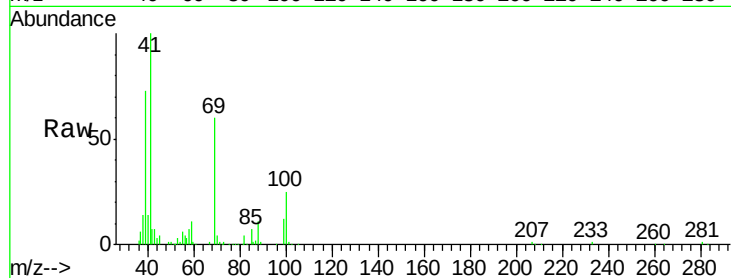
#49
1,4-Dioxane
Concen: 1163.96 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	61.3	50.6	75.8
58	66.1	46.6	69.8

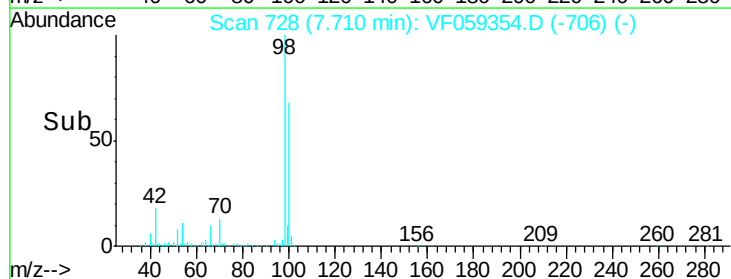
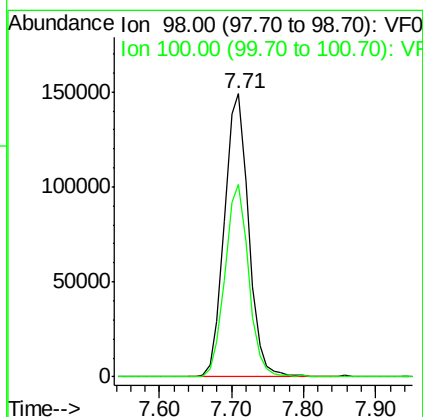
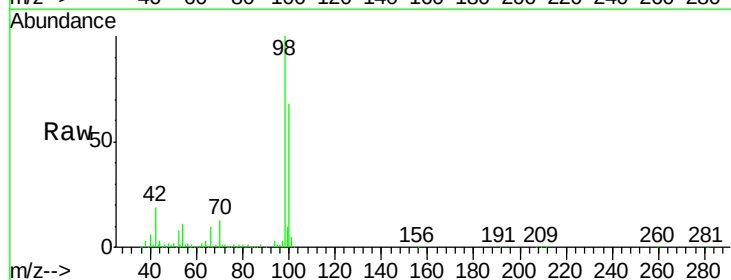
Manual Integrations
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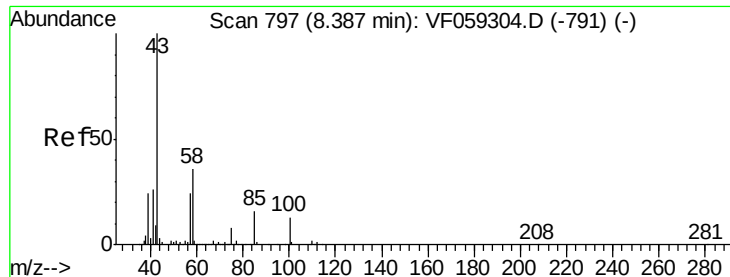
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#50
Toluene-d8
Concen: 47.13 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 254.93 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 560374

Ion Ratio Lower Upper

43 100

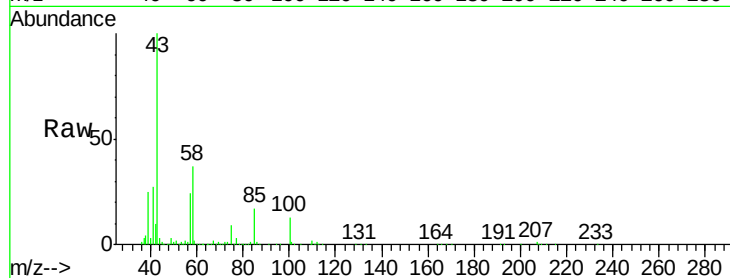
58 37.4 28.4 42.6

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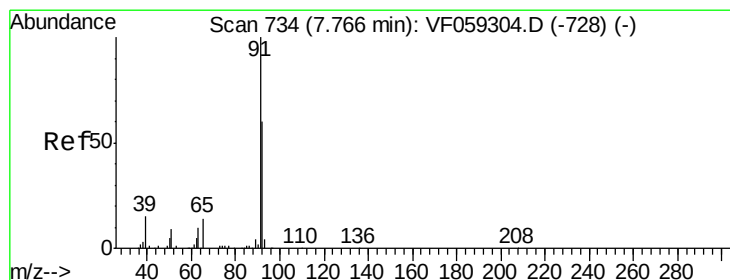
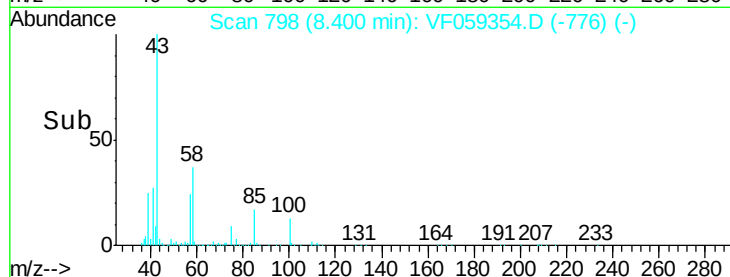
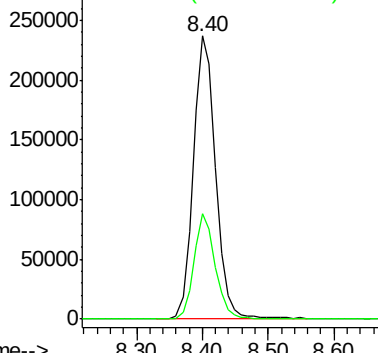
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 47.55 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059354.D

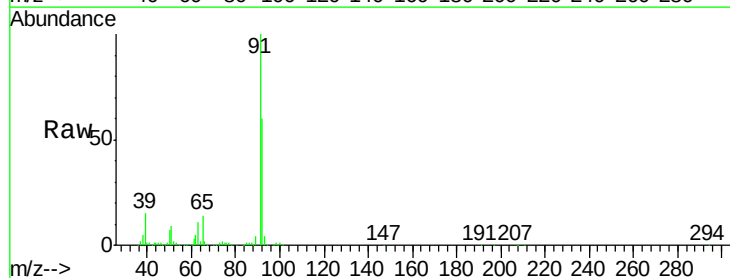
Acq: 28 Jun 2018 11:16

Tgt Ion: 92 Resp: 281028

Ion Ratio Lower Upper

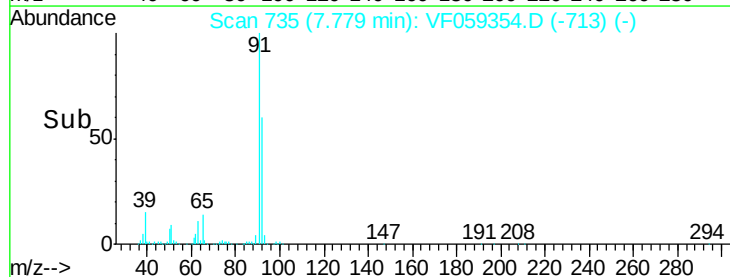
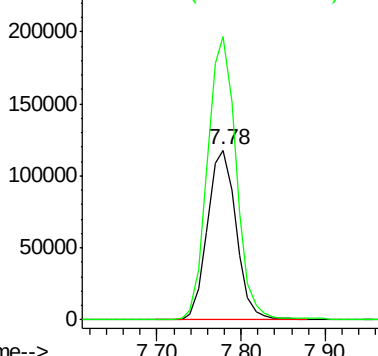
92 100

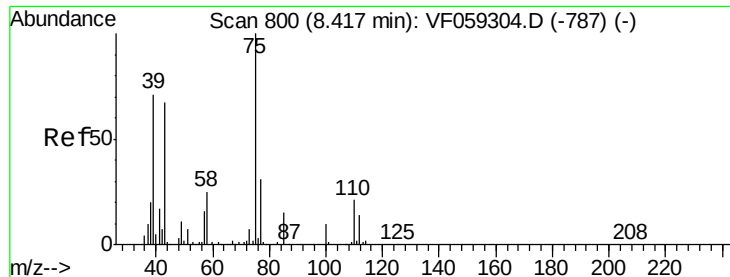
91 166.7 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





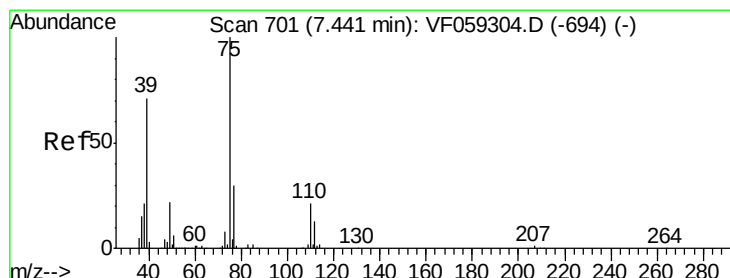
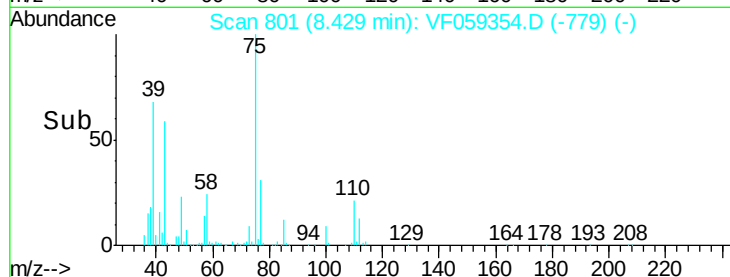
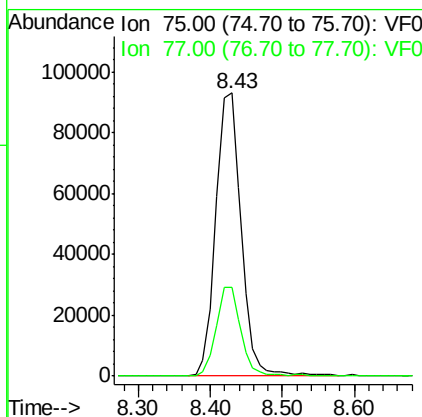
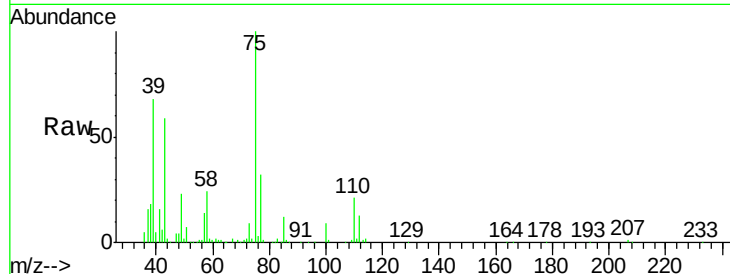
#53
 t-1,3-Dichloropropene
 Concen: 51.69 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 223396
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.3 37.9

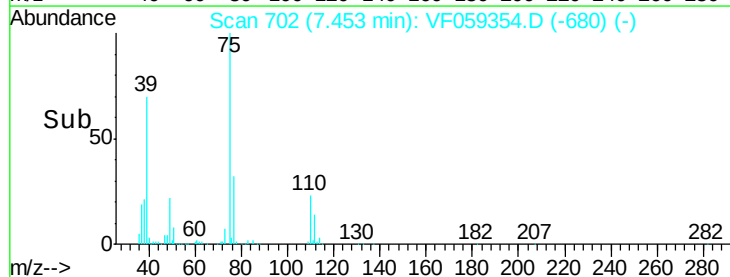
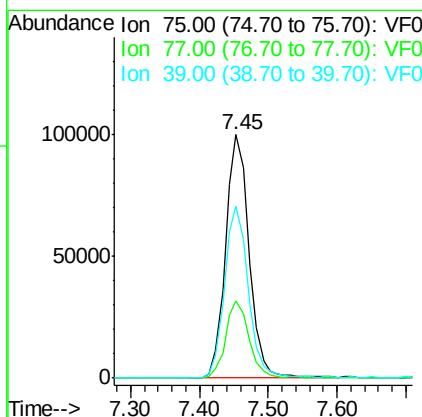
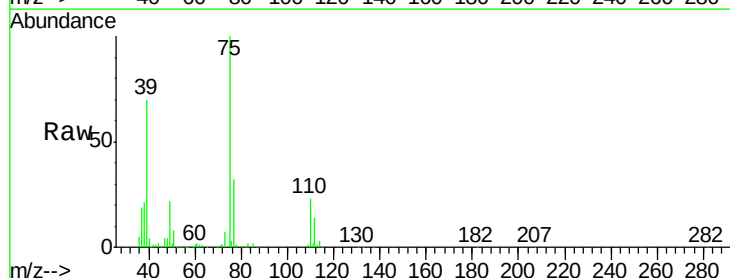
Manual Integrations
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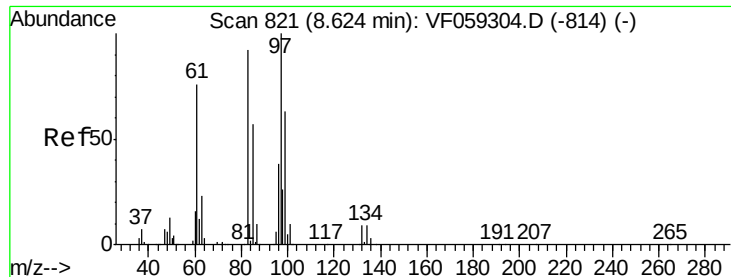
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#54
 cis-1,3-Dichloropropene
 Concen: 50.45 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Tgt Ion: 75 Resp: 236805
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.3 36.5
 39 70.5 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 50.40 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

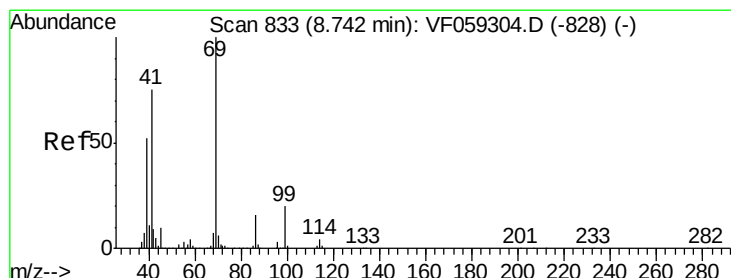
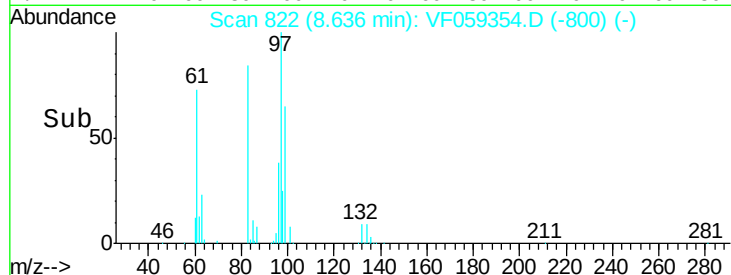
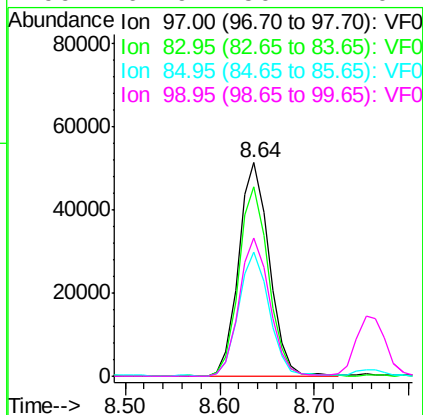
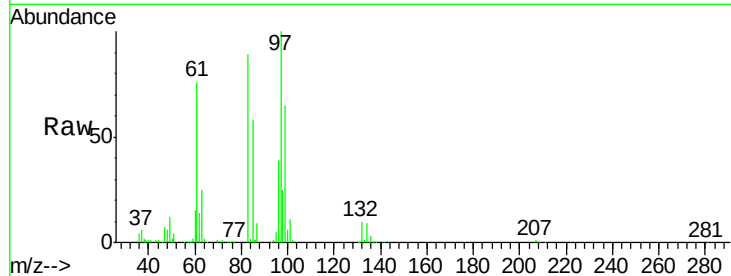
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	115644
Ion Ratio	Lower	Upper	
97	100		
83	88.5	73.8	110.8
85	58.1	45.5	68.3
99	64.9	50.7	76.1

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#56

Ethyl methacrylate

Concen: 50.98 ug/l

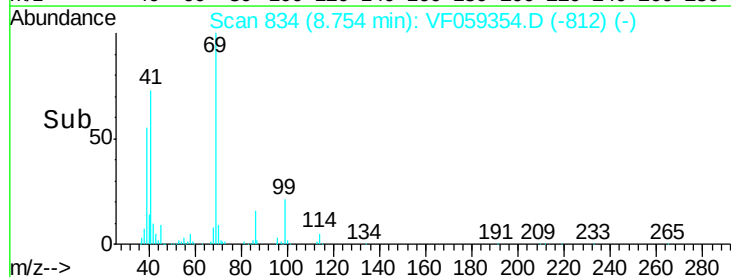
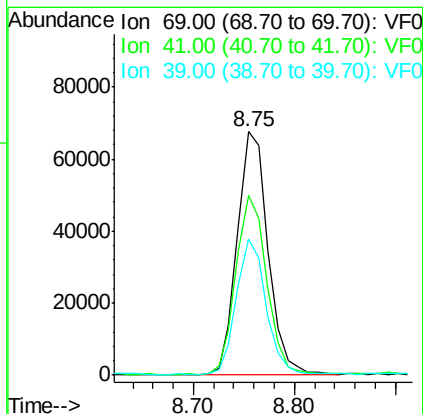
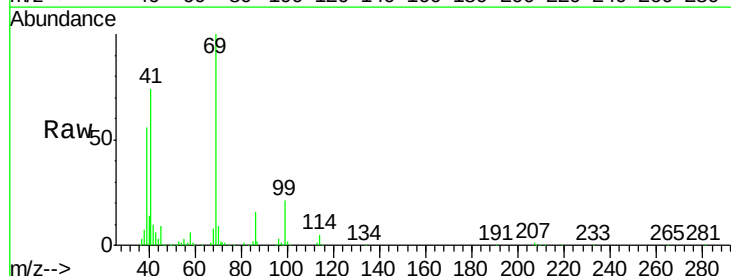
RT: 8.75 min Scan# 834

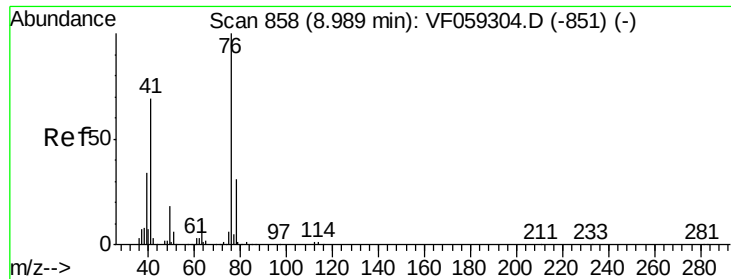
Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	69	Resp:	144901
Ion Ratio	Lower	Upper	
69	100		
41	73.6	60.3	90.5
39	55.7	42.2	63.4





#57

1,3-Dichloropropane

Concen: 51.19 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 201446

Ion Ratio Lower Upper

76 100

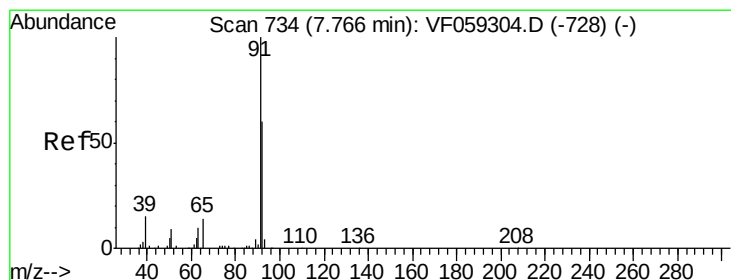
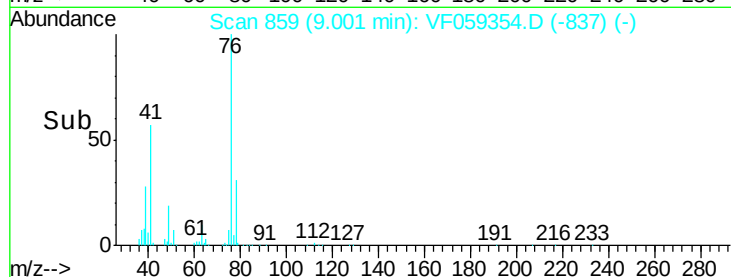
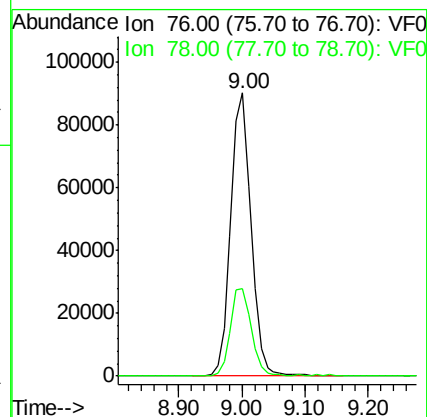
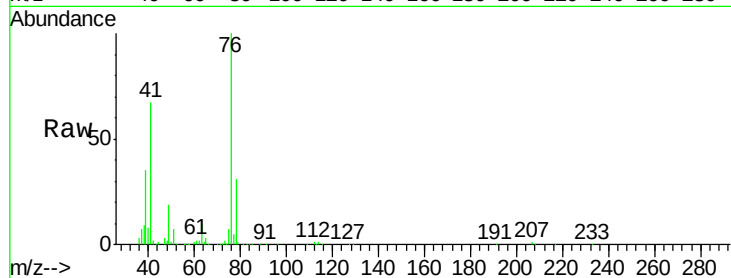
78 31.1 24.9 37.3

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#58

2-Chloroethyl Vinyl ether

Concen: 250.77 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059354.D

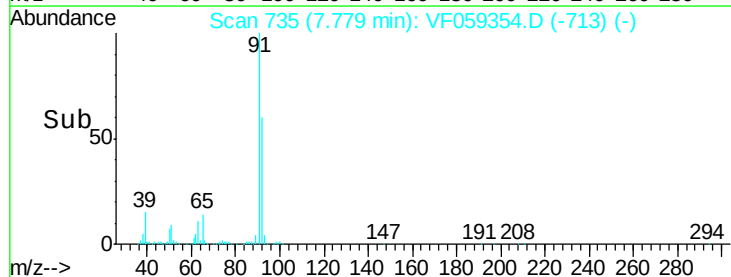
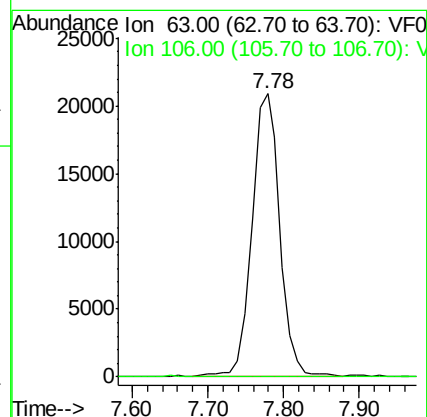
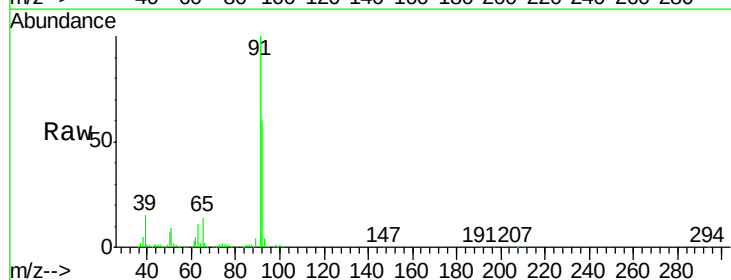
Acq: 28 Jun 2018 11:16

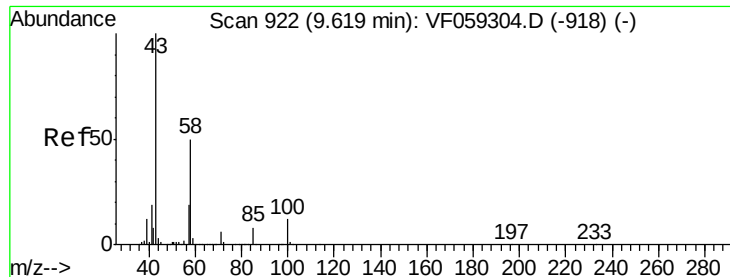
Tgt Ion: 63 Resp: 53460

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





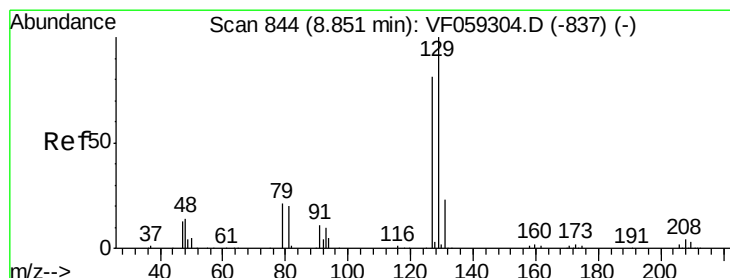
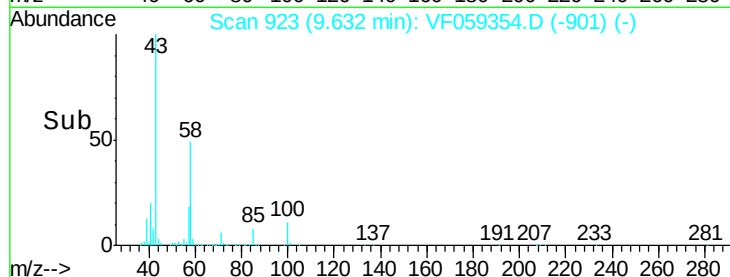
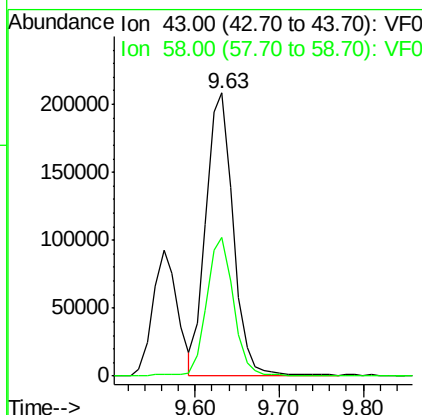
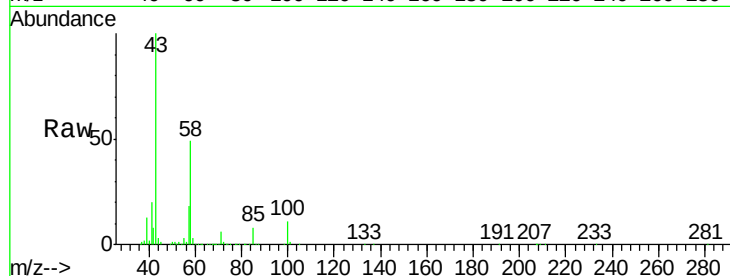
#59
2-Hexanone
Concen: 284.38 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 465788
Ion Ratio Lower Upper
43 100
58 48.9 23.3 69.9

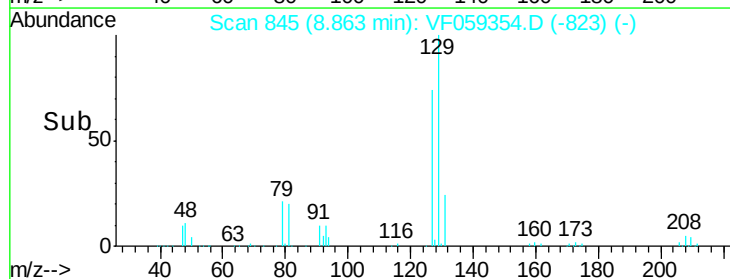
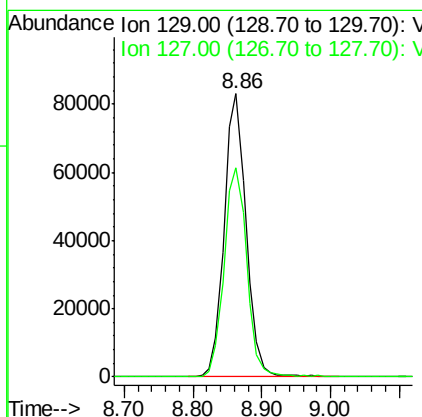
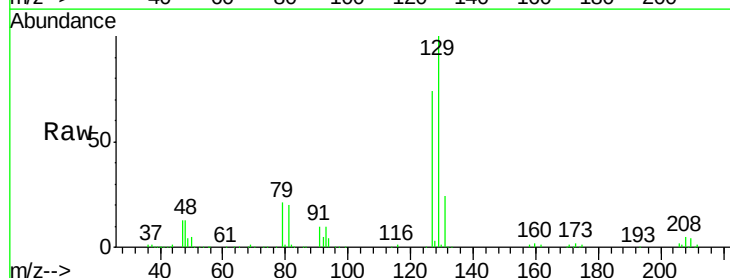
Manual Integrations
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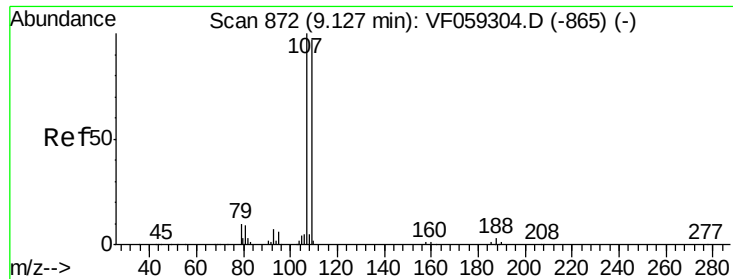
apatel
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#60
Dibromochloromethane
Concen: 51.75 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion: 129 Resp: 183321
Ion Ratio Lower Upper
129 100
127 73.7 40.7 122.1





#61

1,2-Dibromoethane

Concen: 48.48 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 134917

Ion Ratio Lower Upper

107 100

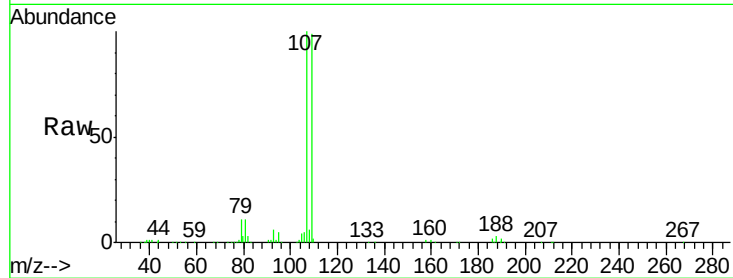
109 99.0 77.3 115.9

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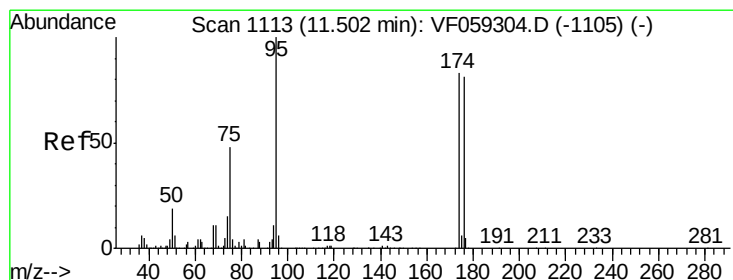
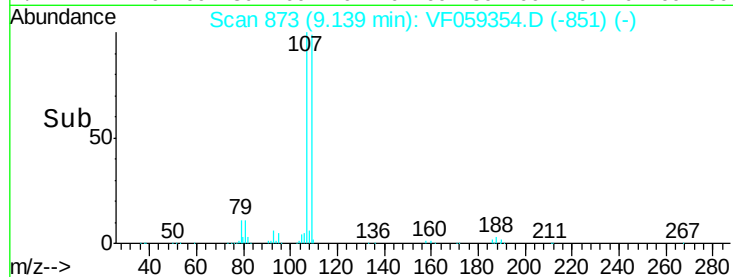
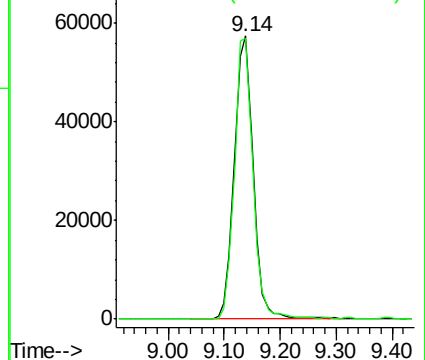
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.77 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

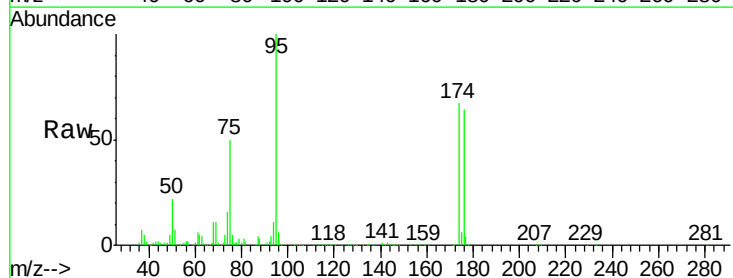
Tgt Ion: 95 Resp: 202929

Ion Ratio Lower Upper

95 100

174 66.8 0.0 165.2

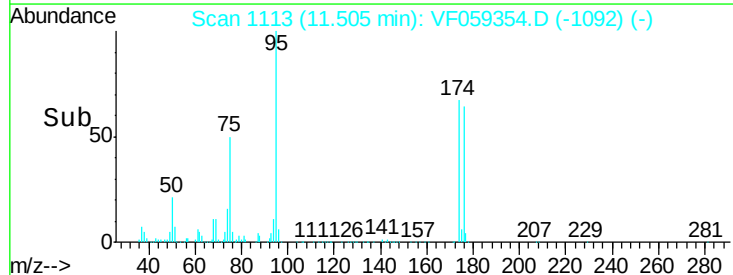
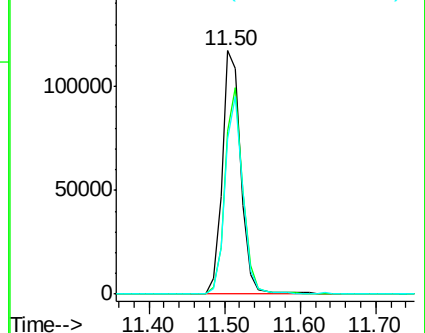
176 63.6 0.0 161.0

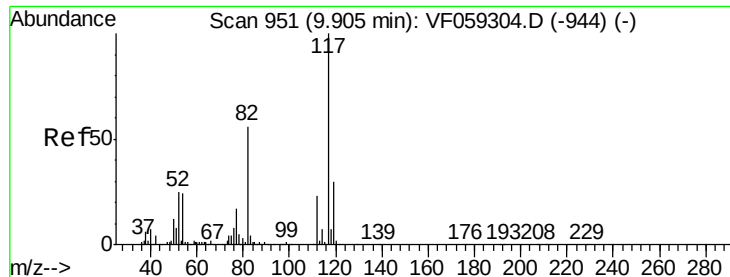


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





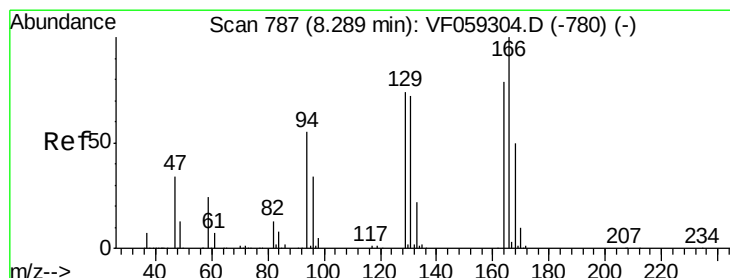
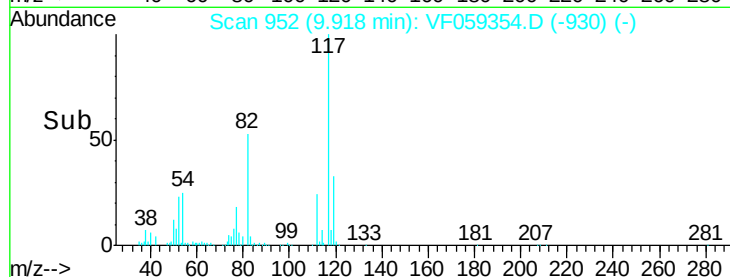
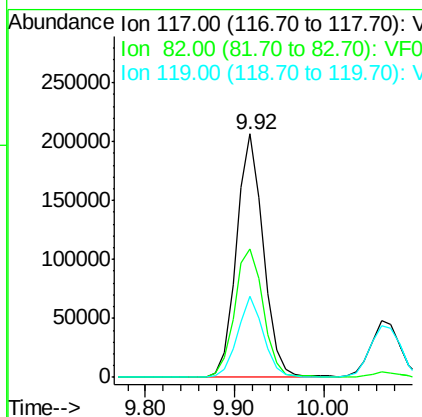
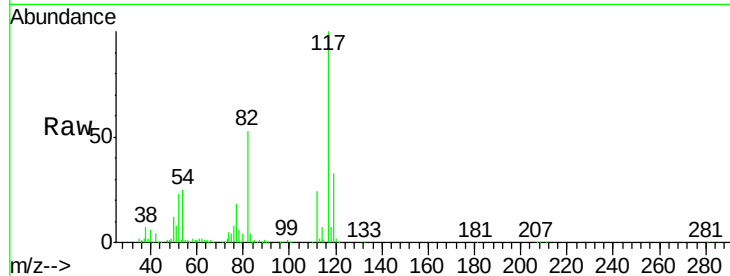
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	44.6	66.8
119	33.1	24.1	36.1

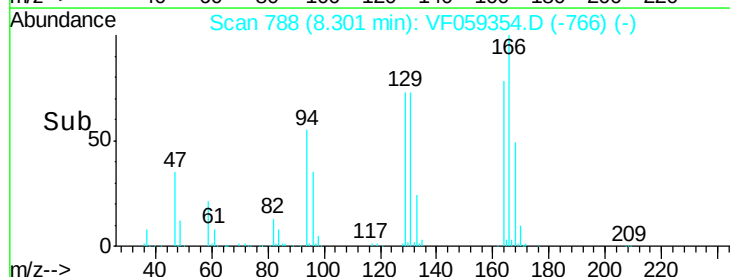
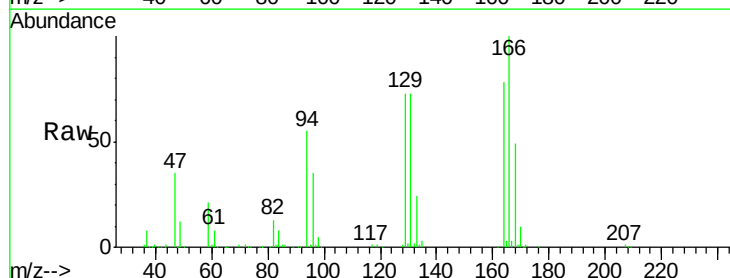
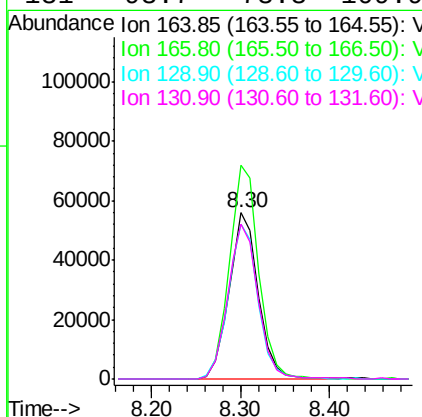
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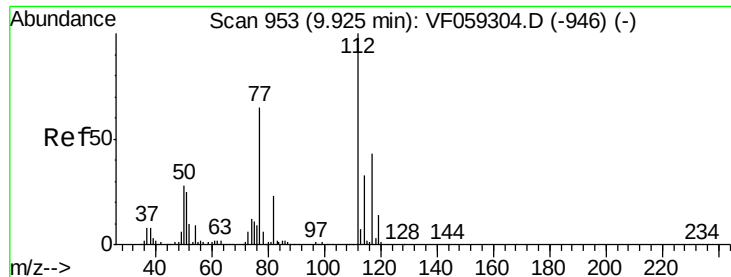
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#64
Tetrachloroethene
Concen: 45.43 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.1	151.7
129	93.7	75.0	112.4
131	93.7	73.3	109.9





#65

Chlorobenzene

Concen: 48.15 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 387681

Ion Ratio Lower Upper

112 100

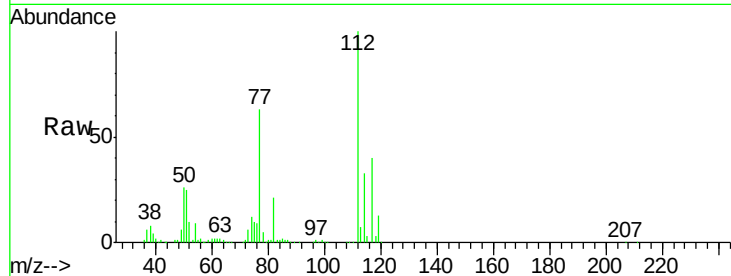
114 33.4 26.5 39.7

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

200000

150000

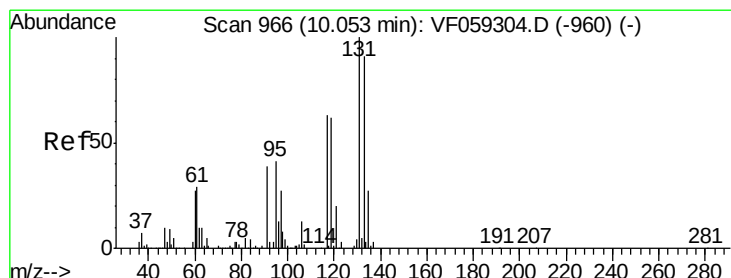
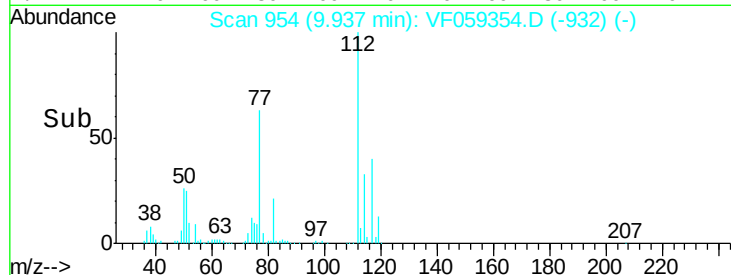
100000

50000

0

9.80 9.90 10.00 10.10

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.77 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

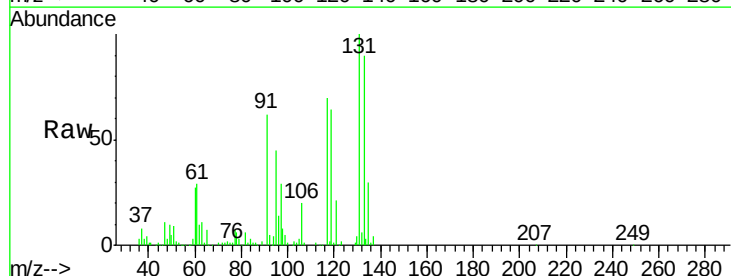
Tgt Ion:131 Resp: 162860

Ion Ratio Lower Upper

131 100

133 90.1 45.3 135.9

119 64.2 31.3 93.9



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

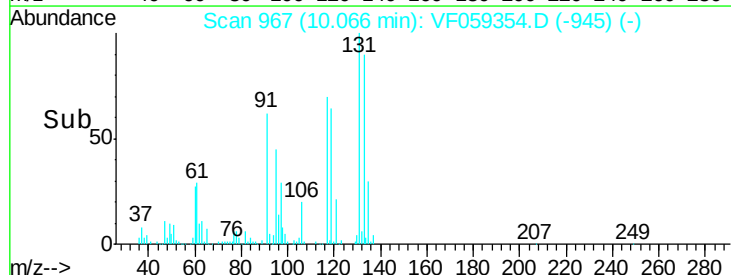
40000

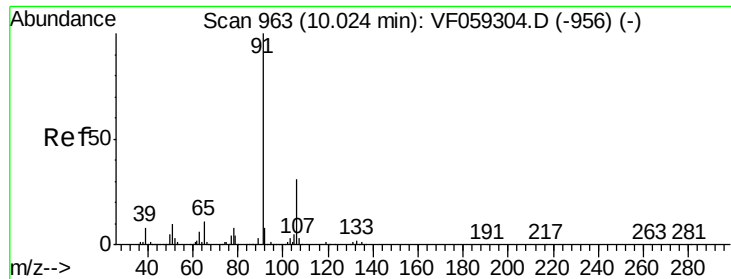
20000

0

10.00 10.10 10.20

Time-->





#67

Ethyl Benzene

Concen: 45.99 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 628174

Ion Ratio Lower Upper

91 100

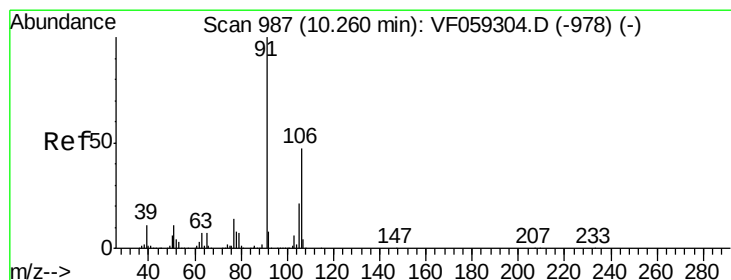
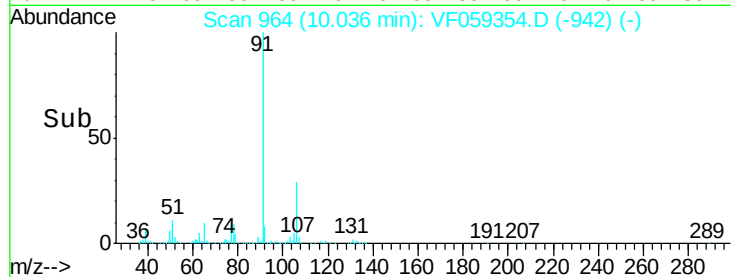
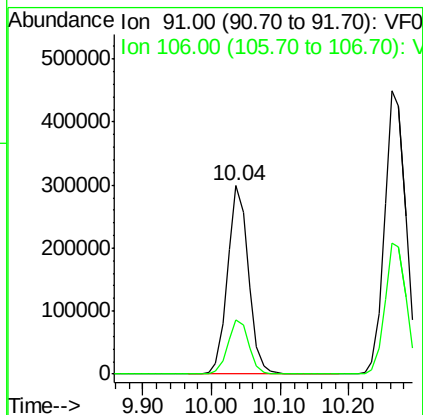
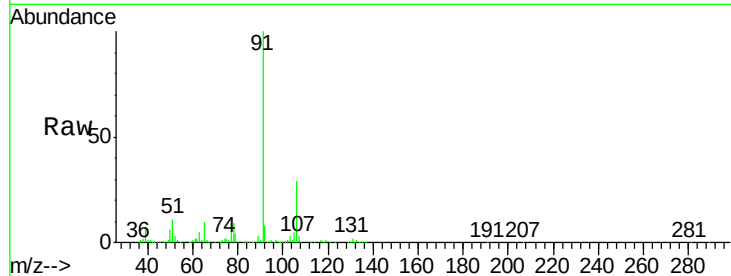
106 28.7 24.8 37.2

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#68

m/p-Xylenes

Concen: 93.30 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF059354.D

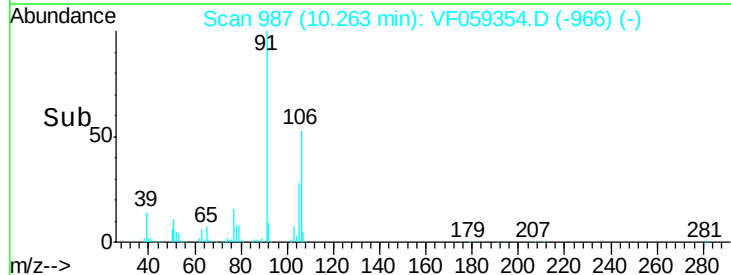
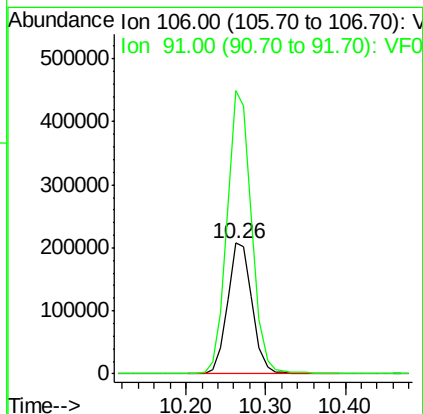
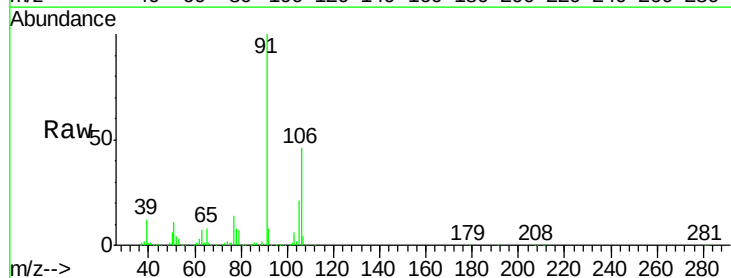
Acq: 28 Jun 2018 11:16

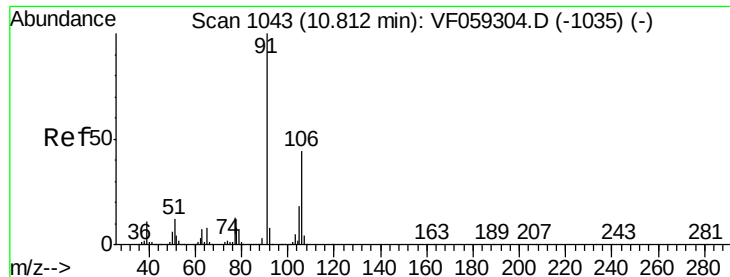
Tgt Ion: 106 Resp: 453573

Ion Ratio Lower Upper

106 100

91 216.5 170.8 256.2





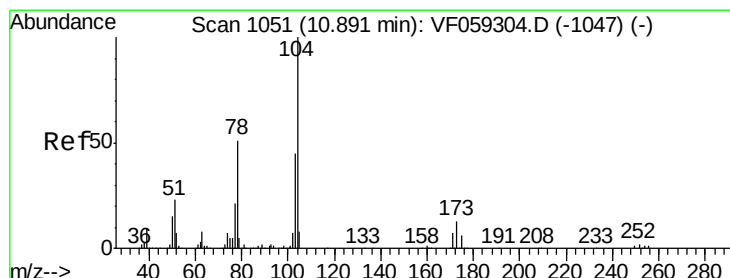
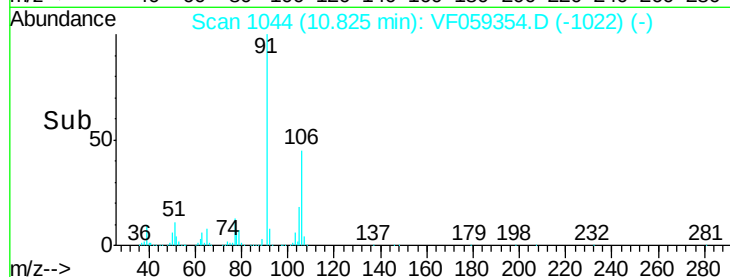
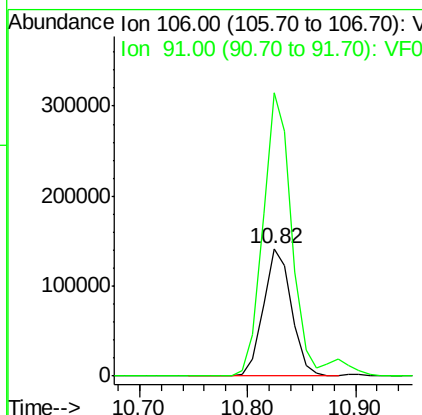
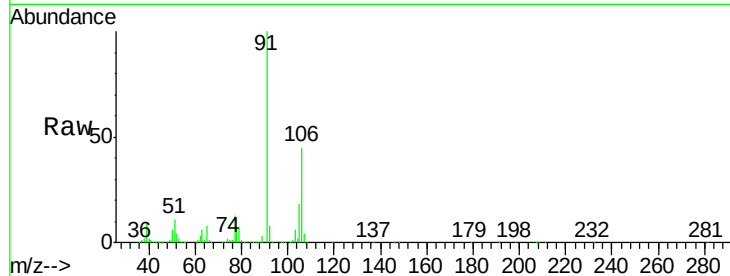
#69
o-Xylene
Concen: 47.85 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.4	114.6	343.6

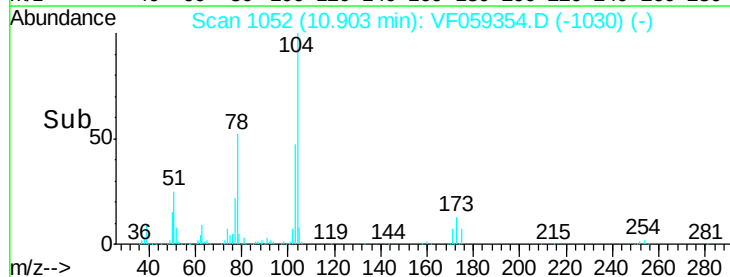
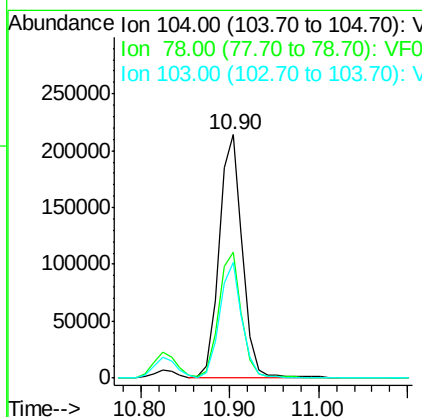
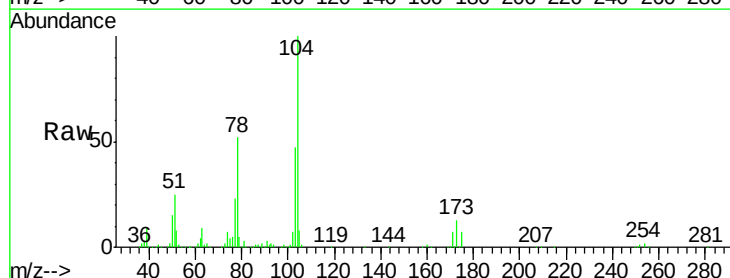
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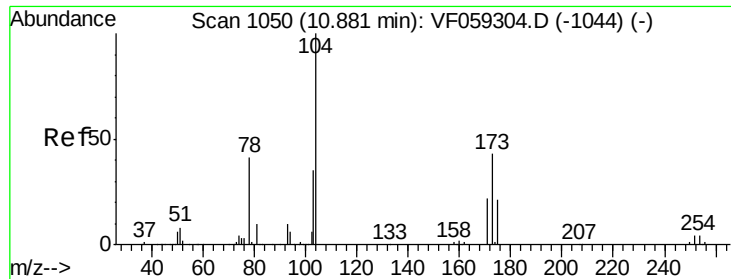
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#70
Styrene
Concen: 46.77 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.7	40.9	61.3
103	47.4	36.5	54.7





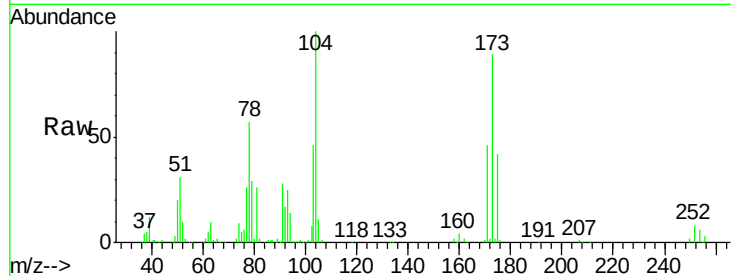
#71
Bromoform
Concen: 49.20 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

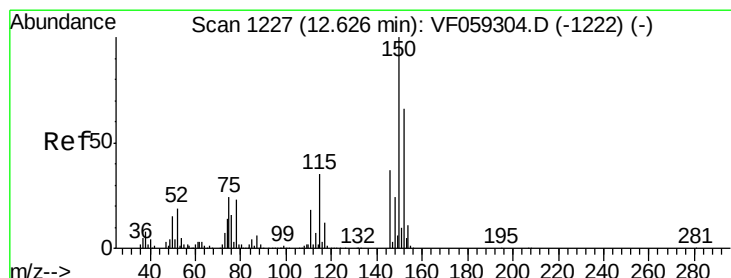
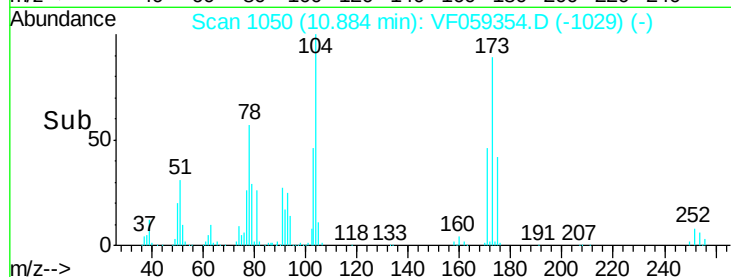
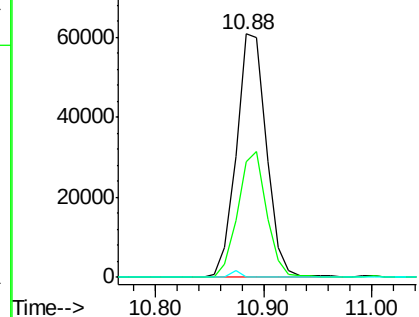
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.0	0.0	0.0

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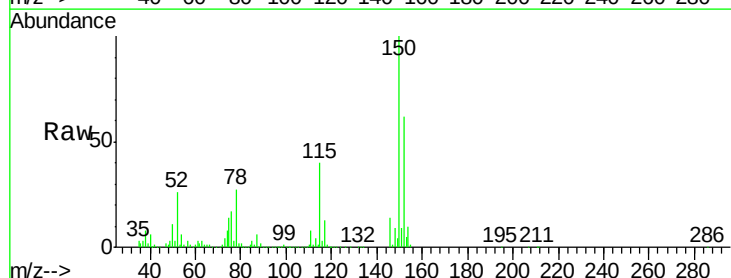


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

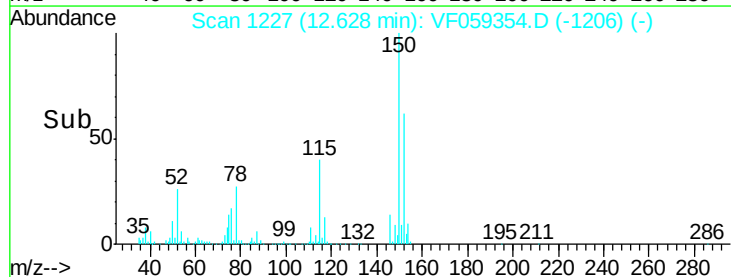
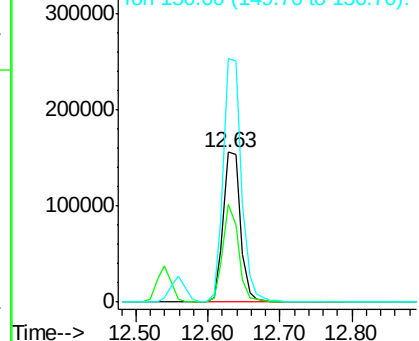


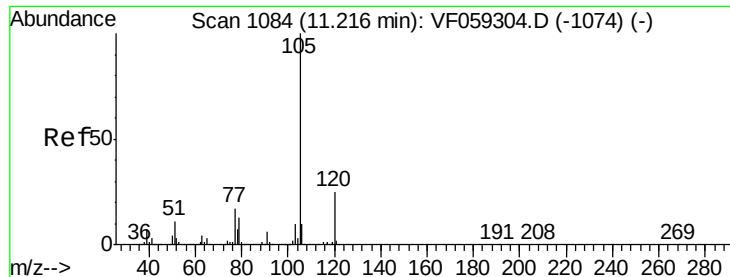
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	27.1	81.3
150	162.5	0.0	305.2



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: 50.17 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 756775

Ion Ratio Lower Upper

105 100

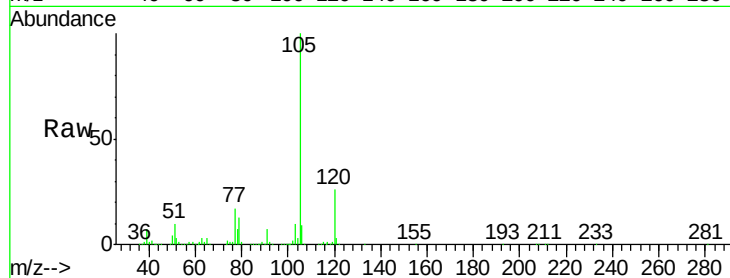
120 25.7 12.3 36.8

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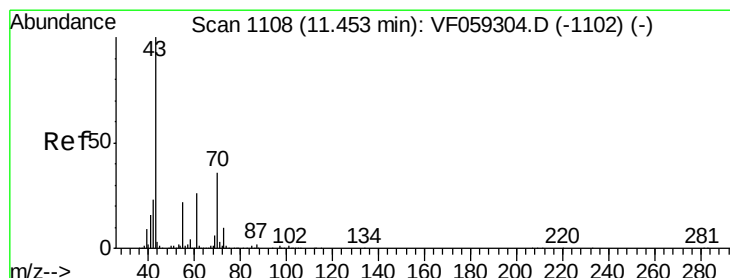
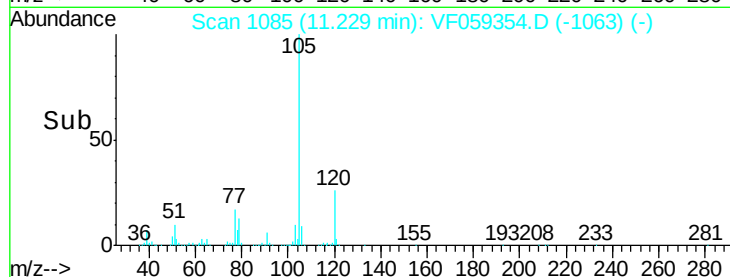
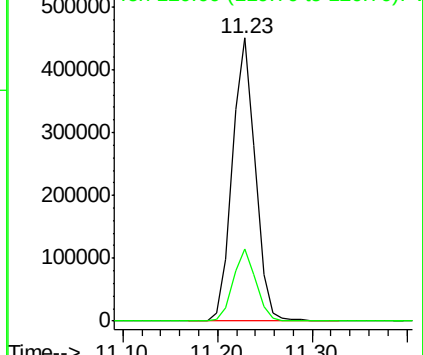
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.22 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion: 43 Resp: 269421

Ion Ratio Lower Upper

43 100

70 37.7 28.8 43.2

55 20.9 17.4 26.0

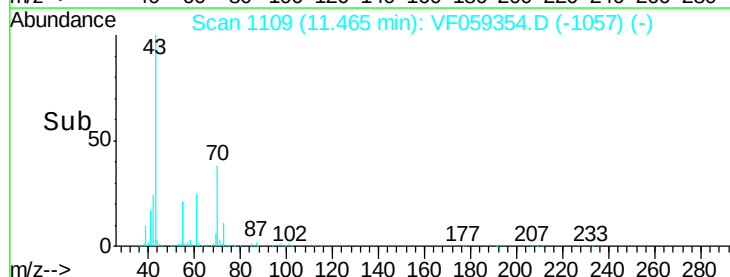
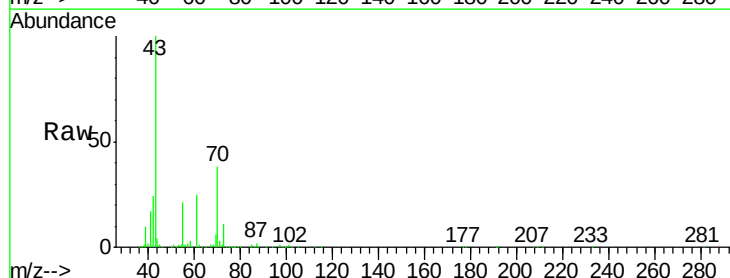
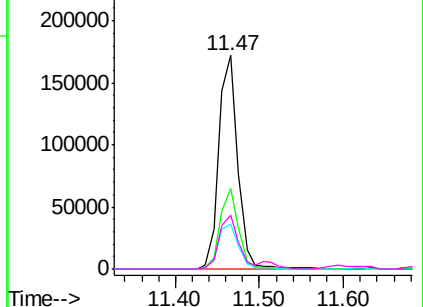
61 25.0 21.1 31.7

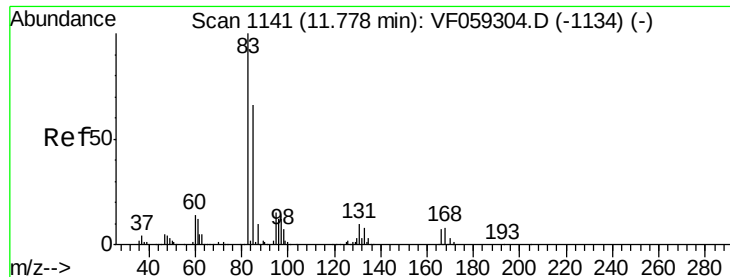
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 49.58 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

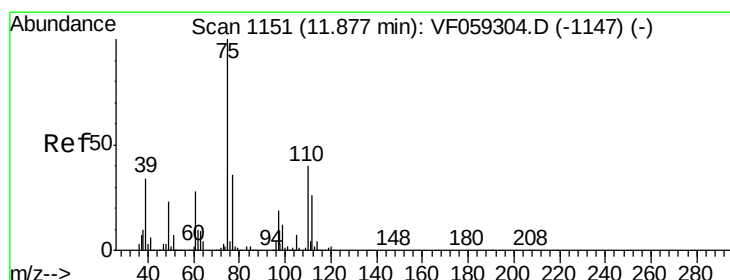
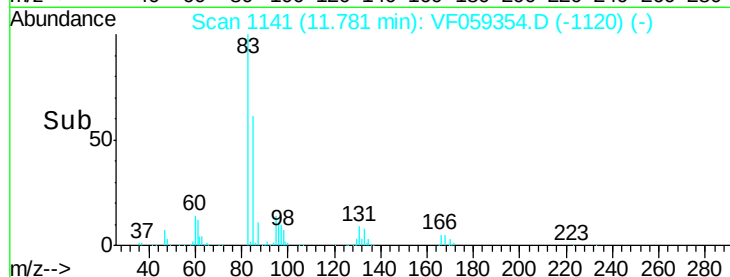
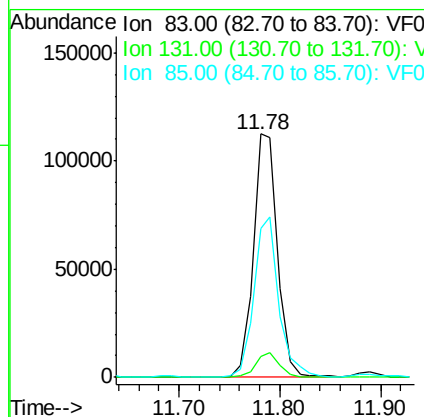
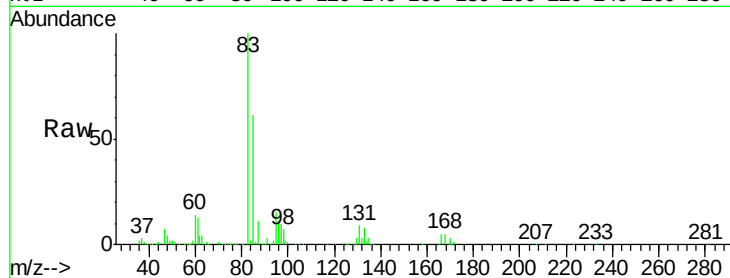
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	188897
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.9	14.6
85	61.1	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 49.37 ug/l

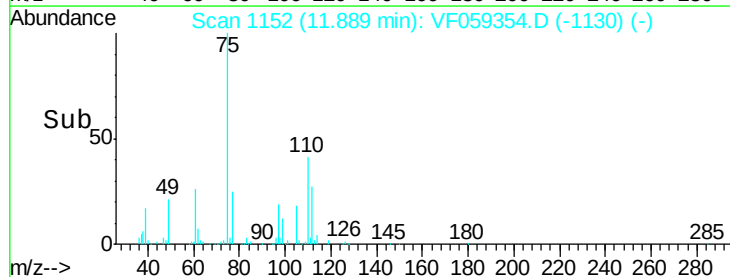
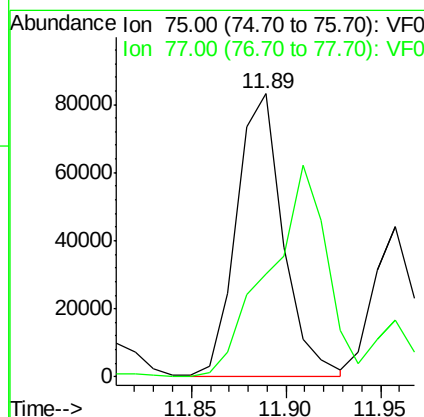
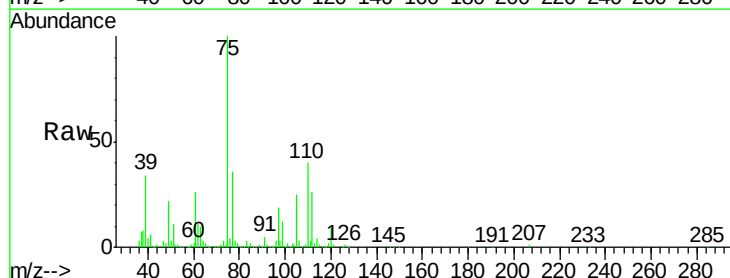
RT: 11.89 min Scan# 1152

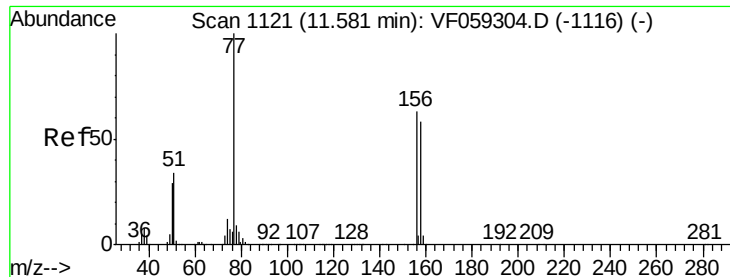
Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	75	Resp:	141880
Ion Ratio	Lower	Upper	
75	100		
77	36.4	18.0	54.0





#77

Bromobenzene

Concen: 48.51 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

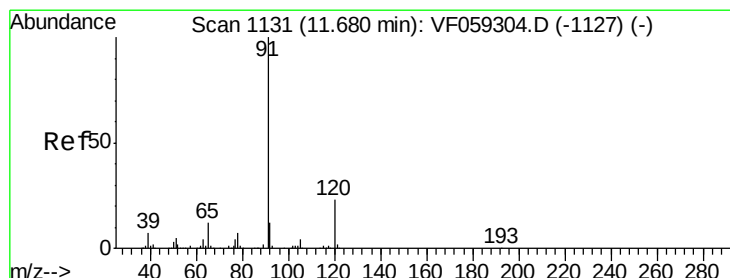
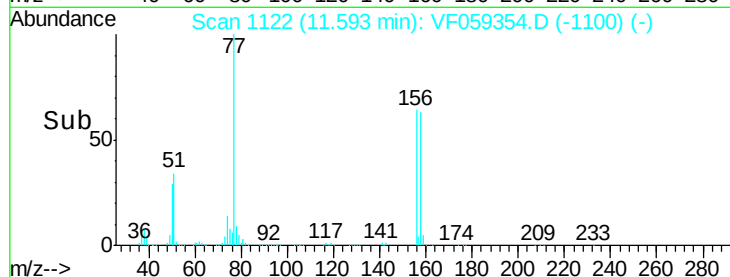
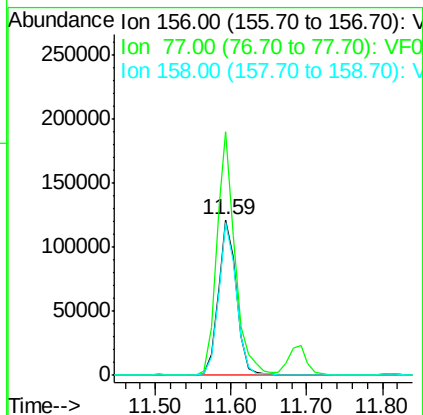
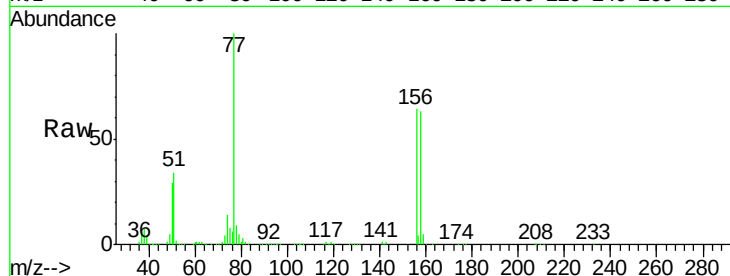
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	203015
Ion Ratio	Lower	Upper	
156	100		
77	156.3	79.7	238.9
158	98.0	46.2	138.6

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#78

n-propylbenzene

Concen: 47.63 ug/l

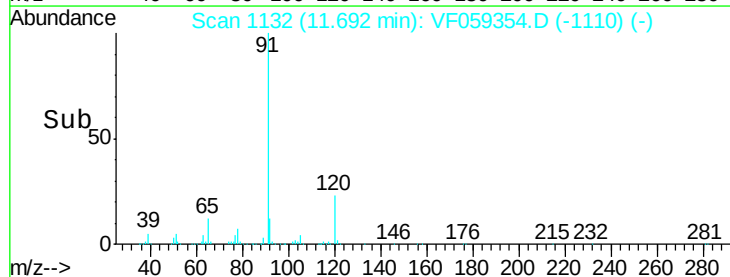
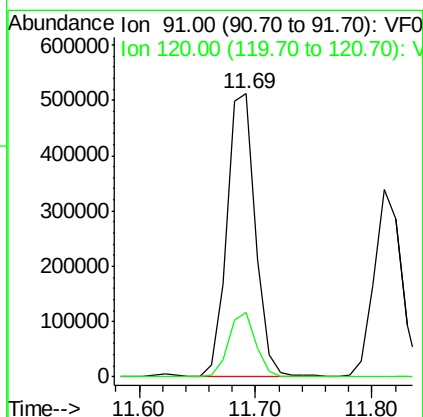
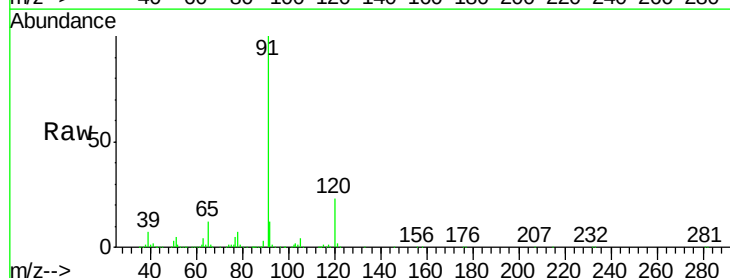
RT: 11.69 min Scan# 1132

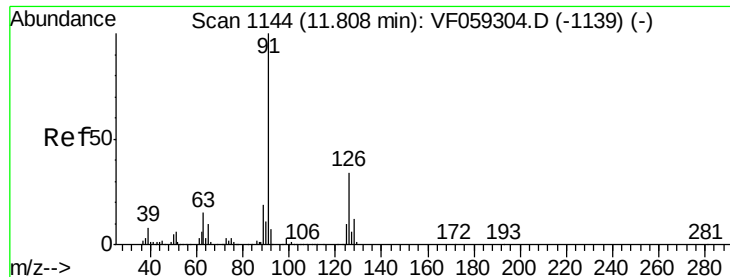
Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	91	Resp:	862949
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.7	35.0





#79

2-Chlorotoluene

Concen: 49.41 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 546884

Ion Ratio Lower Upper

91 100

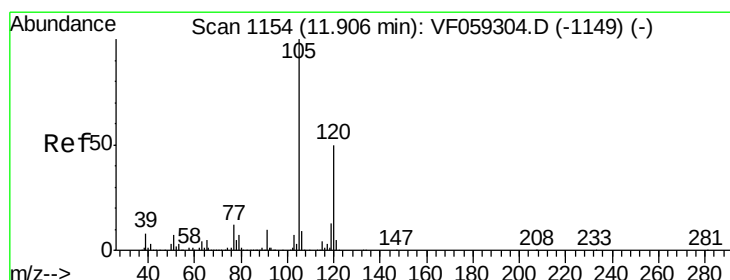
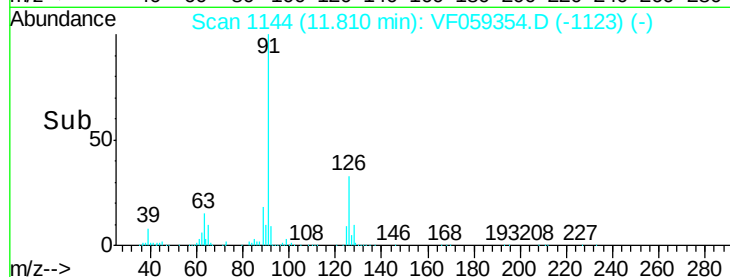
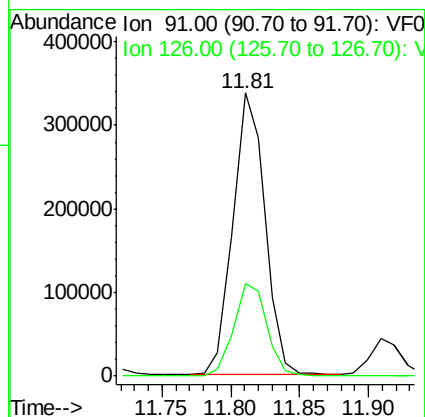
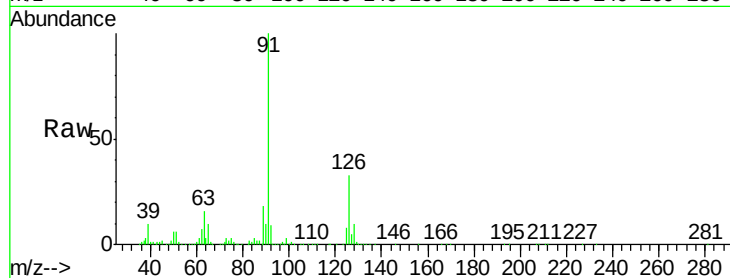
126 32.6 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 50.03 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059354.D

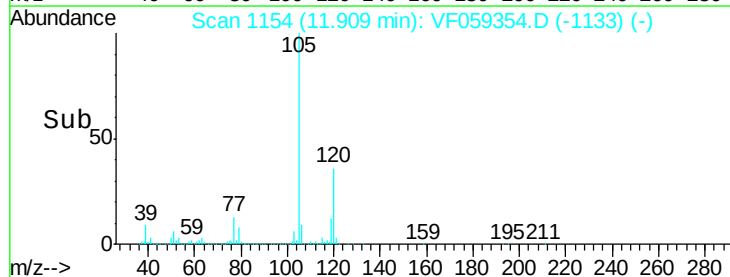
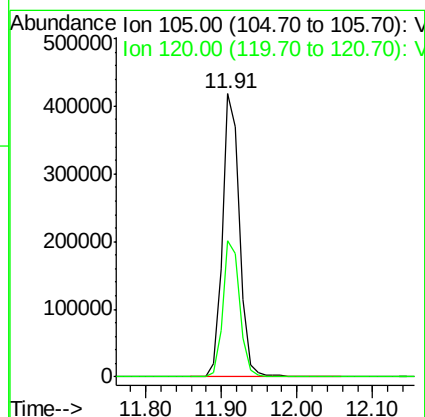
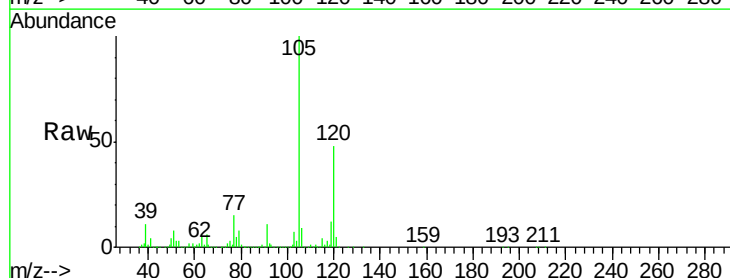
Acq: 28 Jun 2018 11:16

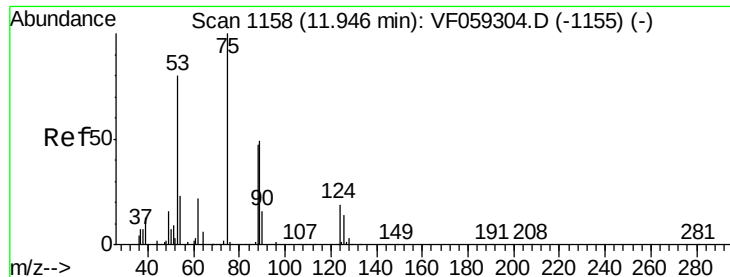
Tgt Ion: 105 Resp: 661127

Ion Ratio Lower Upper

105 100

120 48.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 50.82 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

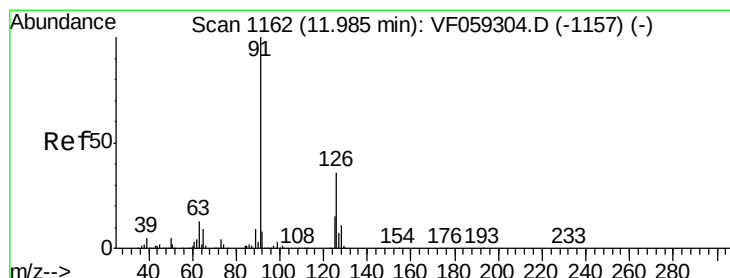
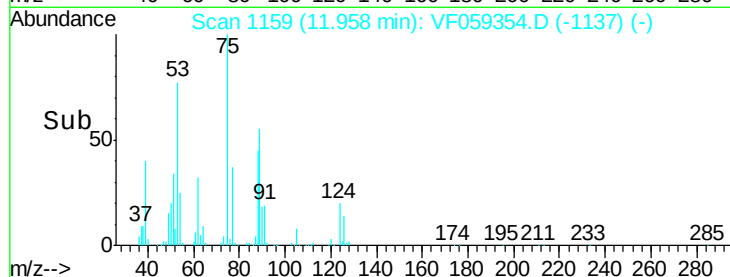
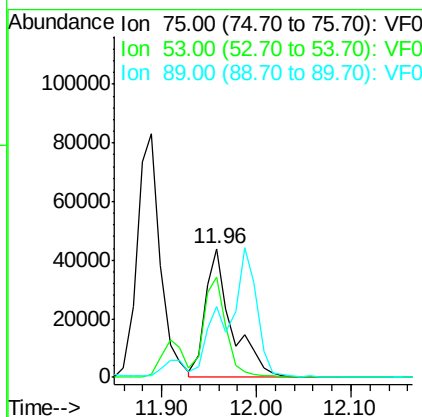
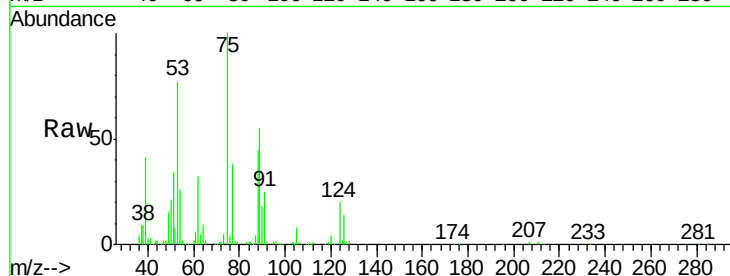
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	86931
Ion Ratio	Lower	Upper	
75	100		
53	77.2	68.8	103.2
89	54.8	42.0	63.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.95 ug/l

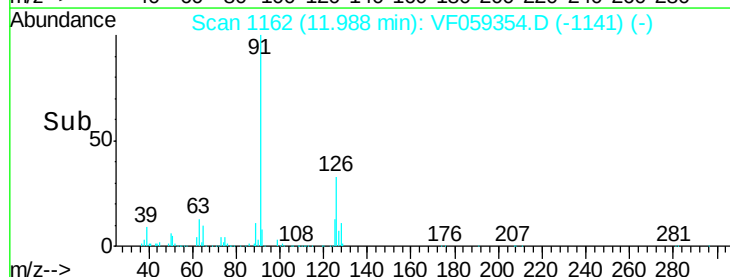
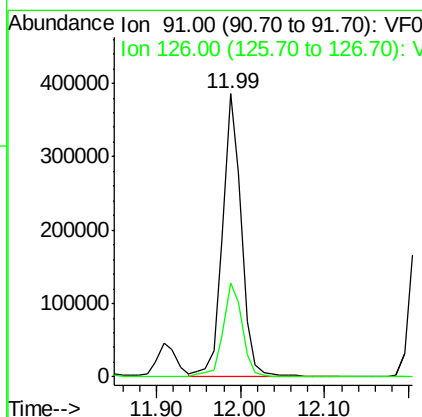
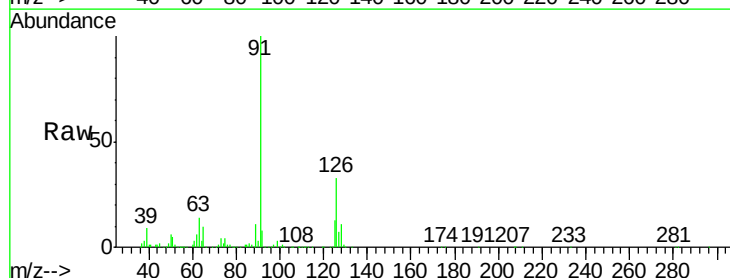
RT: 11.99 min Scan# 1162

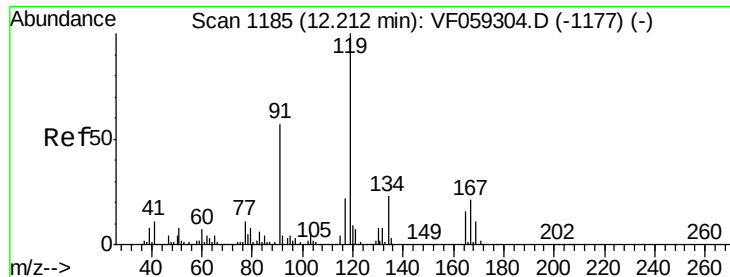
Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	91	Resp:	592125
Ion Ratio	Lower	Upper	
91	100		
126	33.2	18.2	54.6





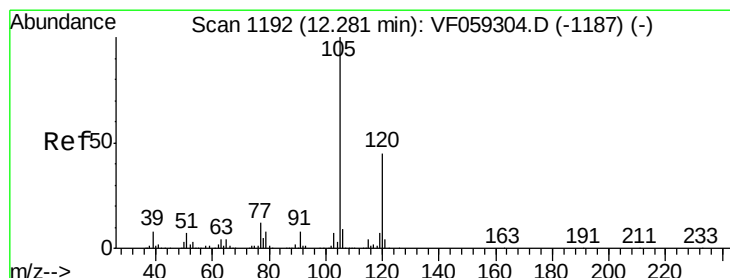
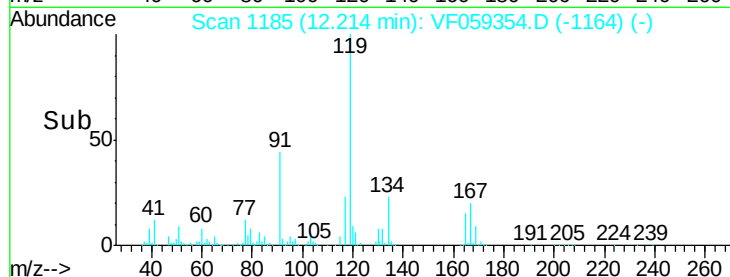
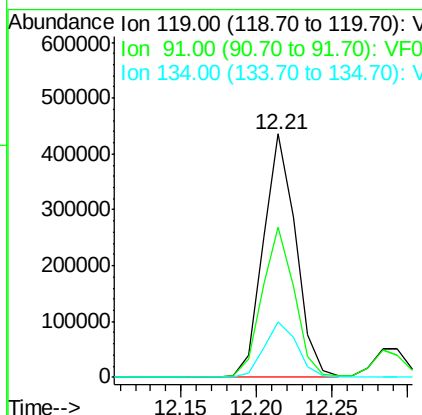
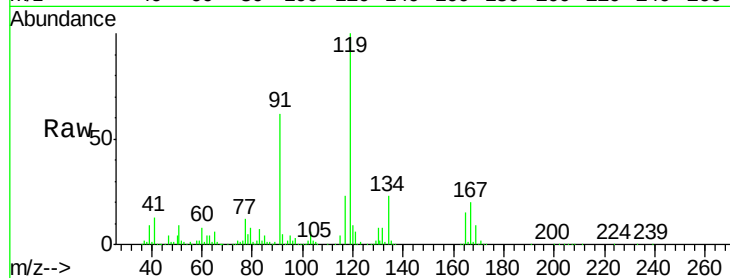
#83
 tert-Butylbenzene
 Concen: 49.72 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	28.4	85.2
134	22.9	11.7	35.1

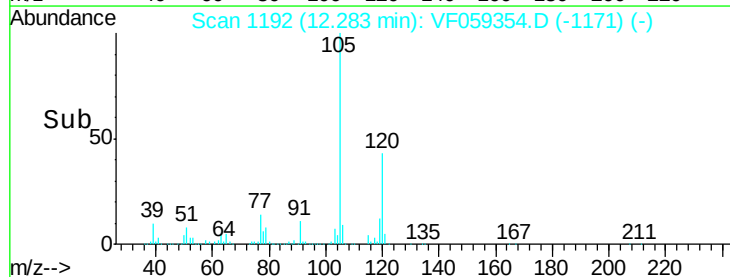
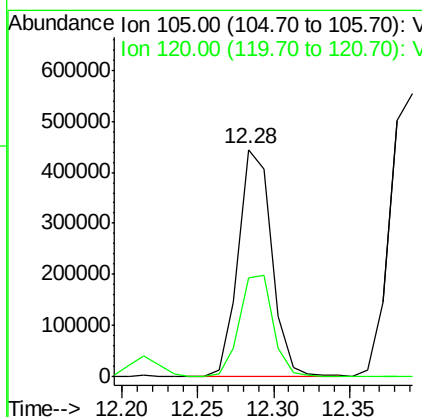
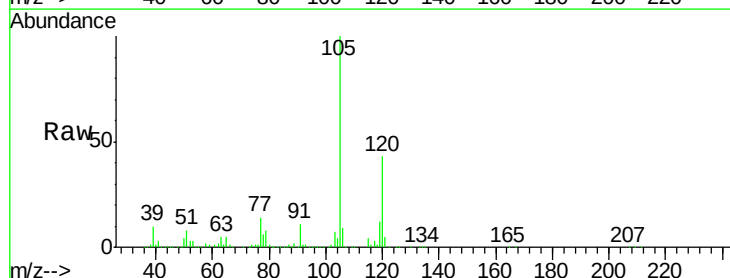
Manual Integrations
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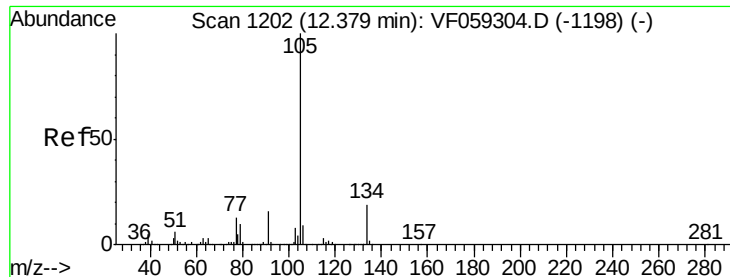
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.21 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.8	68.4





#85

sec-Butylbenzene

Concen: 50.18 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 879090

Ion Ratio Lower Upper

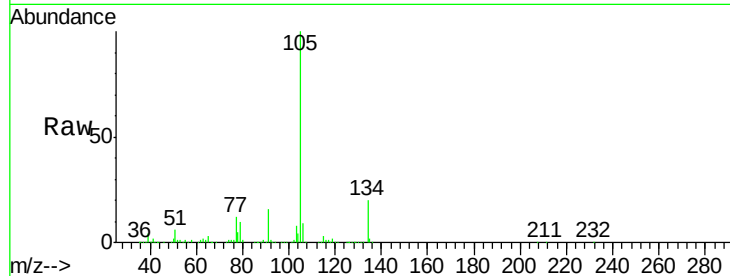
105 100

134 20.1 9.4 28.3

Manual Integrations
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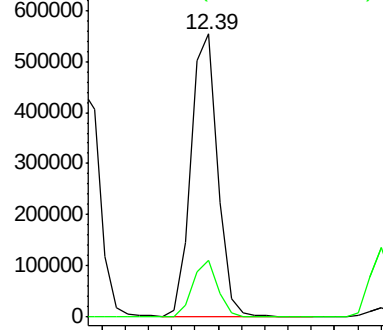
apatel

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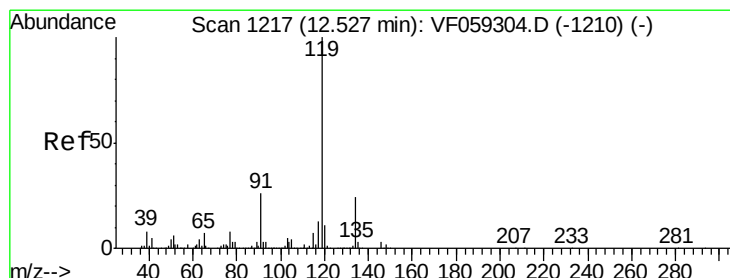
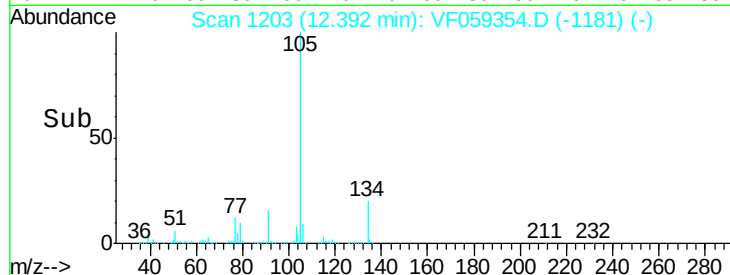


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 50.51 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

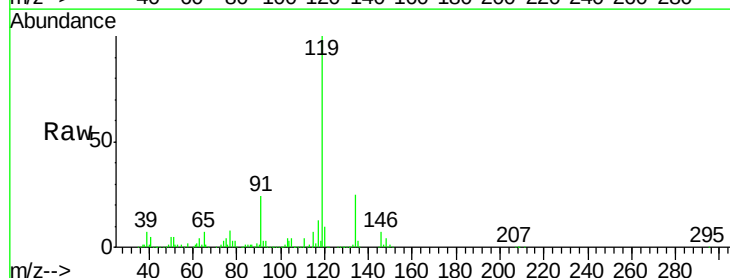
Tgt Ion:119 Resp: 742532

Ion Ratio Lower Upper

119 100

134 25.5 12.2 36.4

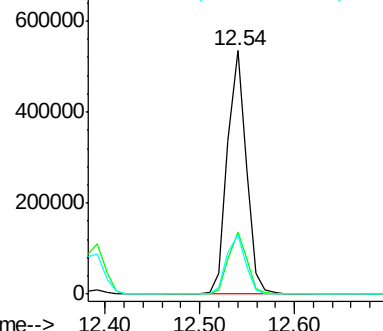
91 24.2 12.9 38.6



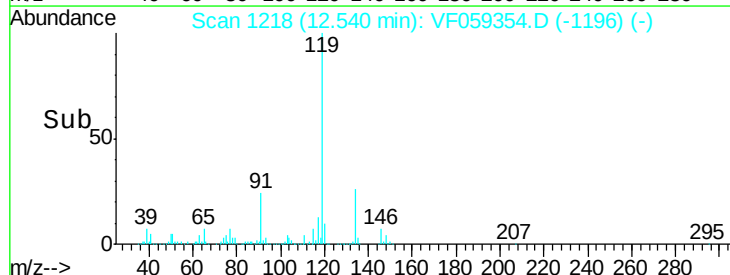
Abundance Ion 119.00 (118.70 to 119.70): V

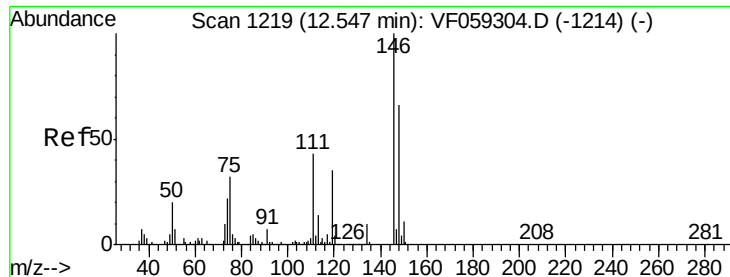
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->





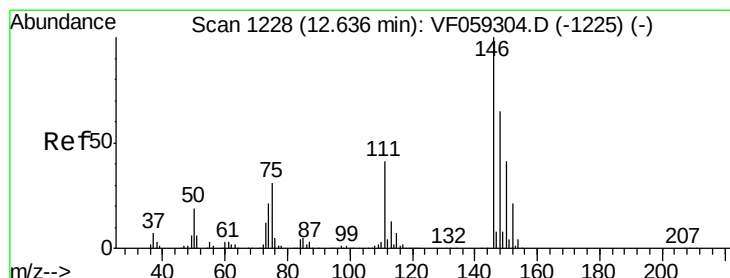
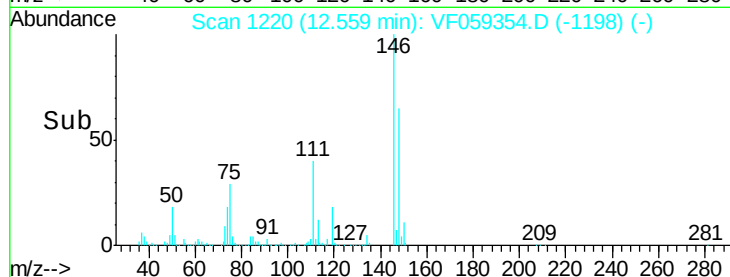
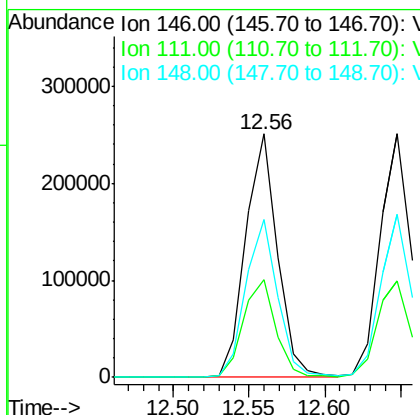
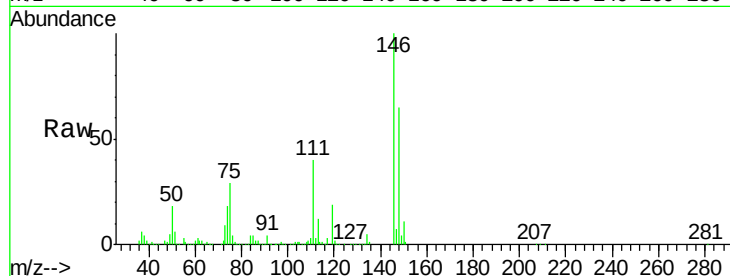
#87
 1,3-Dichlorobenzene
 Concen: 53.85 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.4	64.2
148	64.6	32.8	98.4

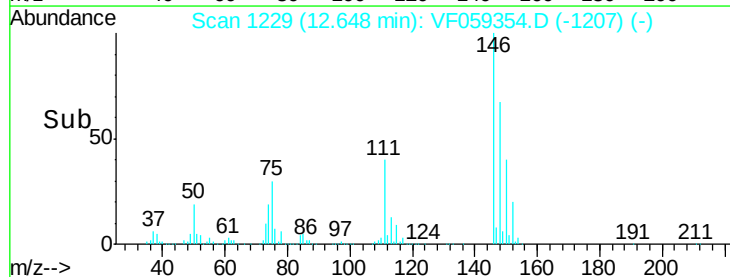
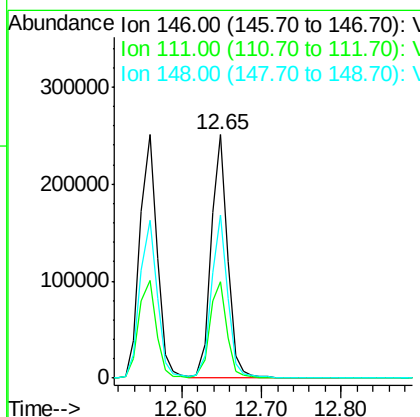
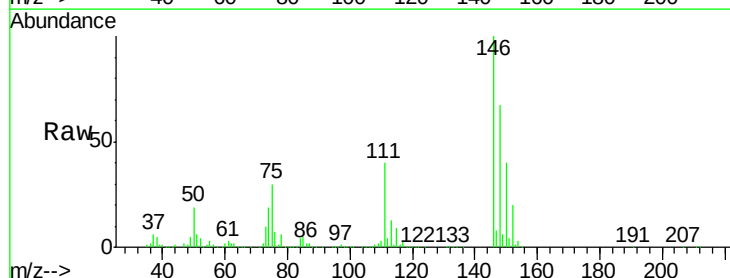
Manual Integrations
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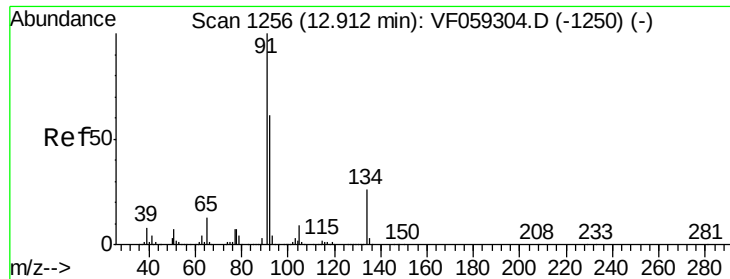
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#88
 1,4-Dichlorobenzene
 Concen: 48.92 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.7	62.1
148	67.1	32.8	98.3





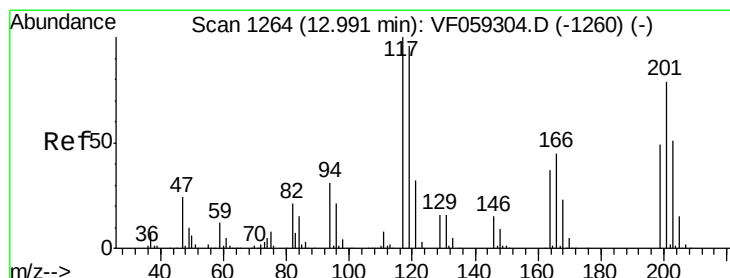
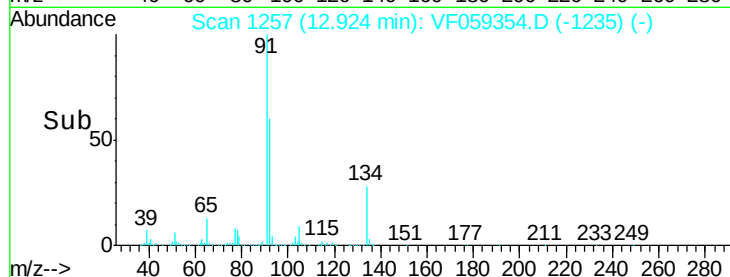
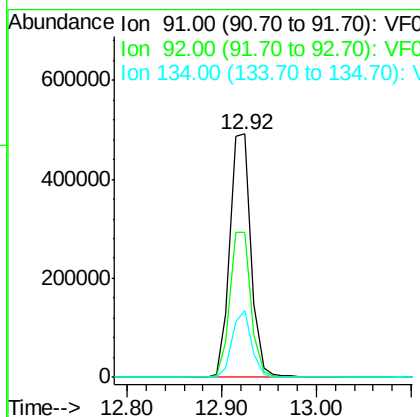
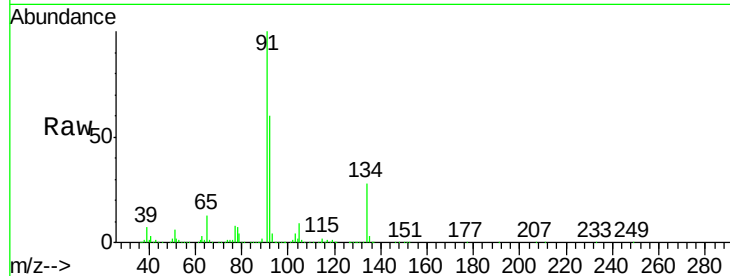
#89
n-Butylbenzene
Concen: 51.32 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	765965		
92	59.7	30.3	91.0	
134	27.6	12.9	38.7	

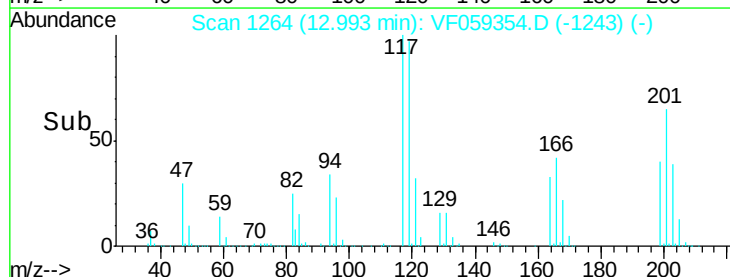
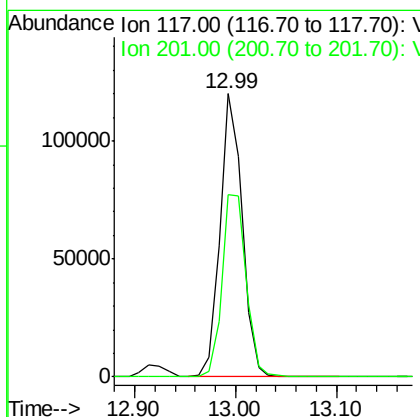
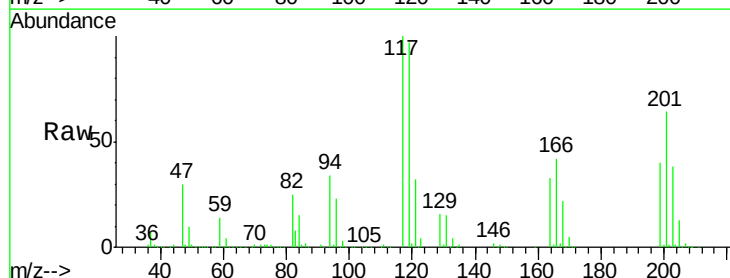
Manual Integrations
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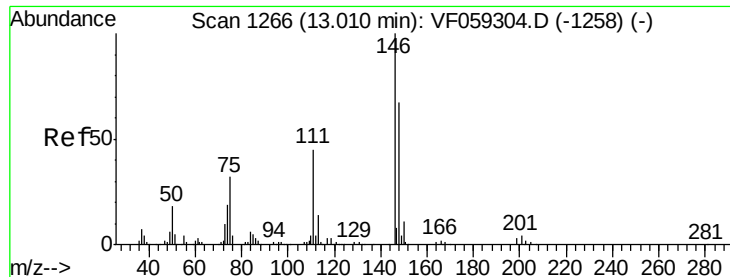
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#90
Hexachloroethane
Concen: 50.09 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059354.D
Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	183551		
201	64.4	39.5	118.5	





#91

1,2-Dichlorobenzene

Concen: 48.24 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

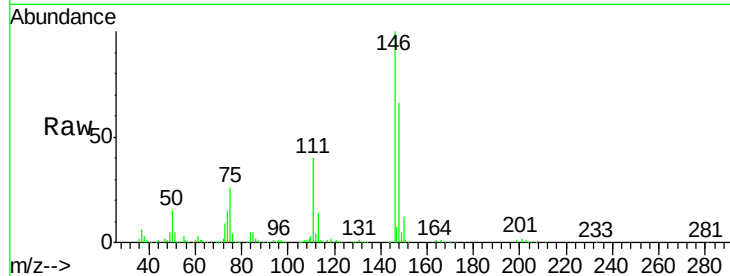
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	366546
Ion Ratio	Lower	Upper	
146	100		
111	39.7	22.7	68.0
148	65.9	33.5	100.4

Manual Integrations
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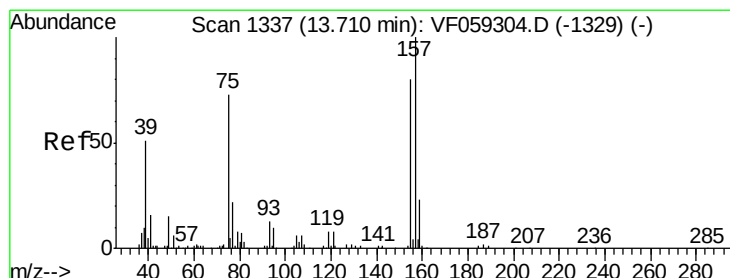
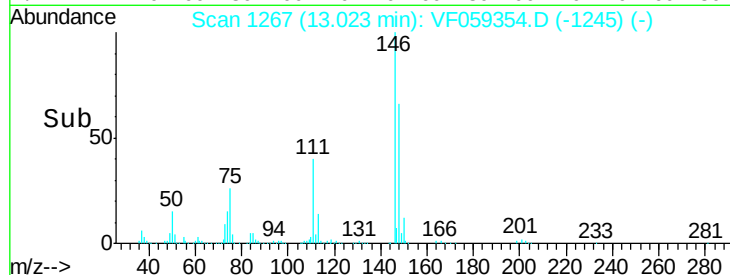
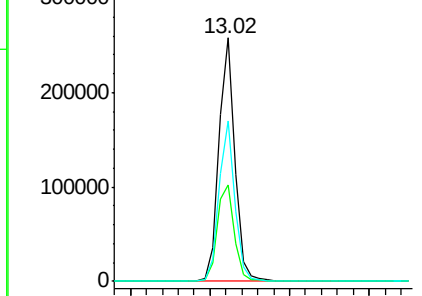
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.39 ug/l

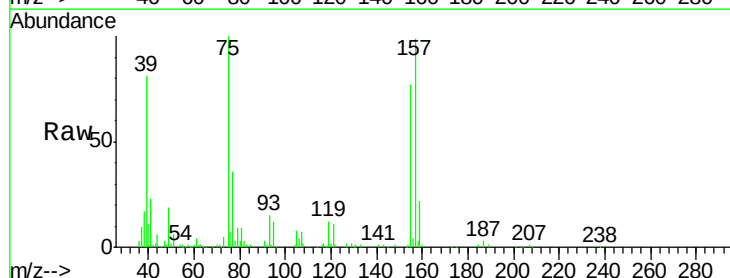
RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

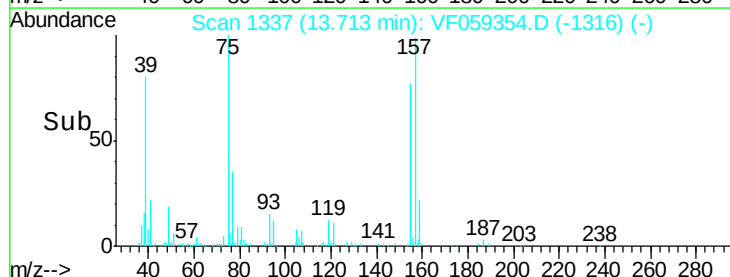
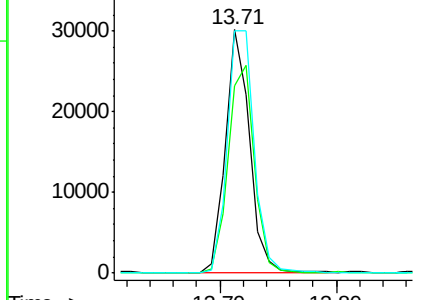
Tgt Ion:	75	Resp:	43401
Ion Ratio	Lower	Upper	
75	100		
155	77.1	54.6	163.8
157	99.4	68.7	205.9

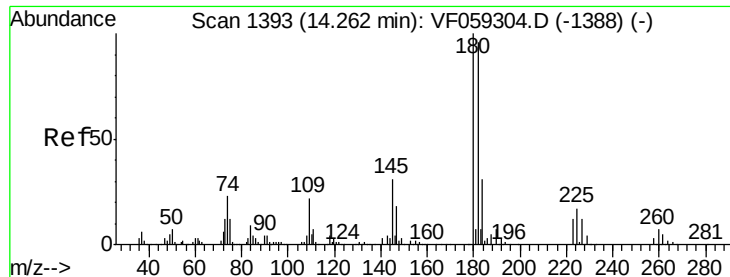


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





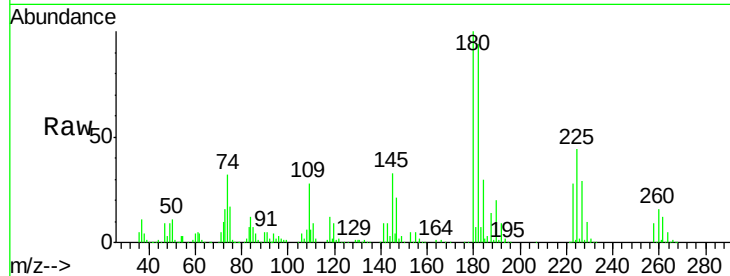
#93
 1,2,4-Trichlorobenzene
 Concen: 50.97 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

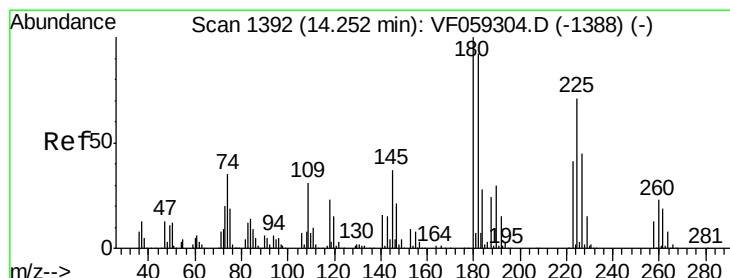
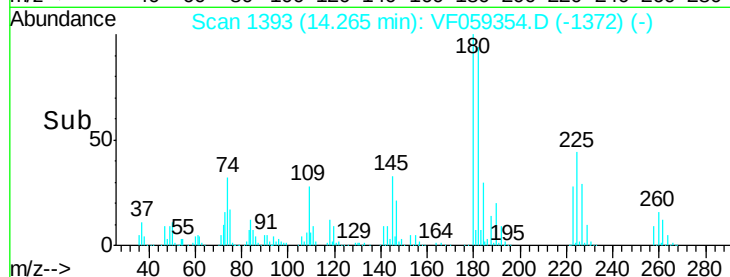
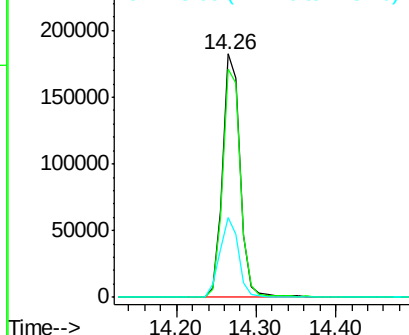
Tot Ion	Ratio	Resp	Lower	Upper
180	100	286377		
182	94.0	48.1	144.3	
145	32.9	15.3	45.8	

Manual Integrations
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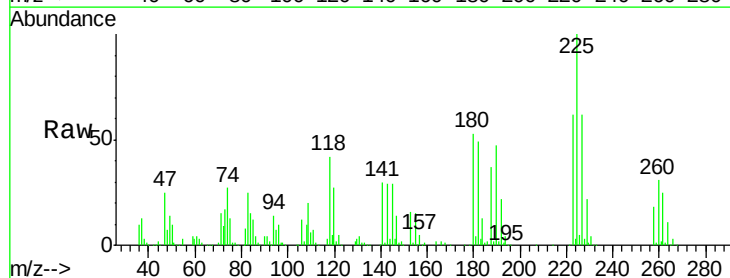


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

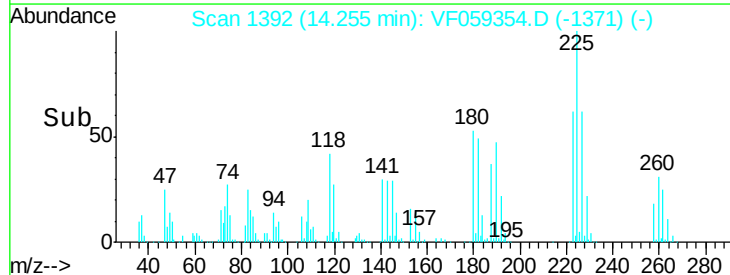
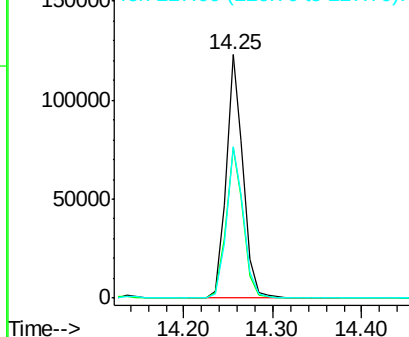


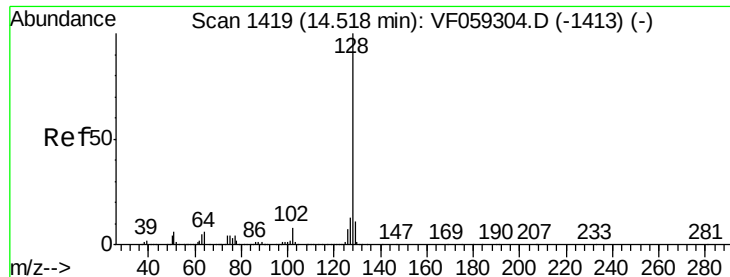
#94
 Hexachlorobutadiene
 Concen: 52.61 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059354.D
 Acq: 28 Jun 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	165104		
223	61.8	28.9	86.8	
227	62.2	31.3	93.8	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 53.70 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Instrument :

MSVOA_F

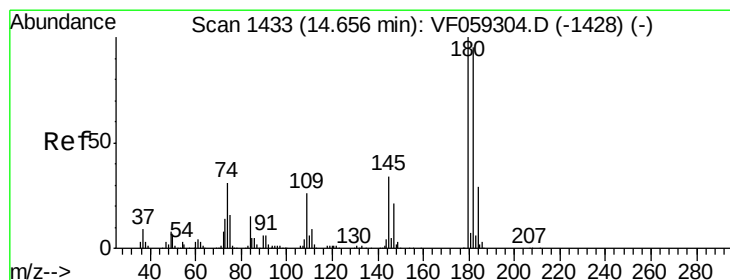
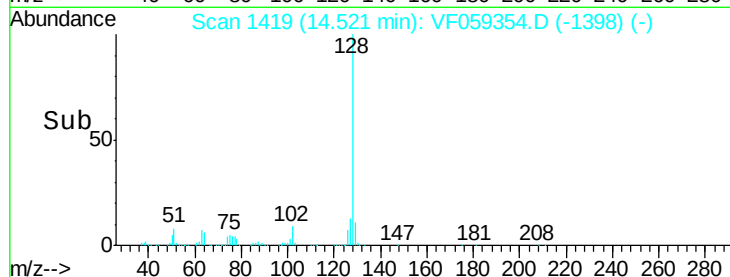
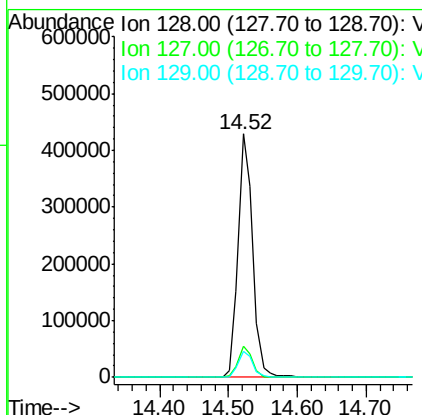
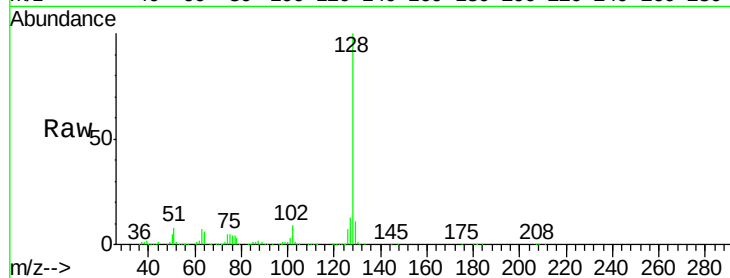
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	631200
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.7	8.8	13.2

Manual Integrations
APPROVED

apatel
6/29/2018 11:27:09 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.94 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059354.D

Acq: 28 Jun 2018 11:16

Tgt Ion:	180	Resp:	281725
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.5	142.5
145	34.0	17.0	50.9

