

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059449.D
 Acq On : 6 Jul 2018 14:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 7/9/2018 11:13:08 AM

Quant Time: Jul 07 03:31:42 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	5.02	168	250395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	377179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	372950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	234444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	155732	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	4.27	113	132373	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	7.69	98	305926	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
62) 4-Bromofluorobenzene	11.49	95	184355	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	111733	48.84	ug/l	94
3) Chloromethane	1.08	50	62707	40.80	ug/l	94
4) Vinyl Chloride	1.14	62	72049	47.63	ug/l	95
5) Bromomethane	1.33	94	46302	54.89	ug/l	97
6) Chloroethane	1.42	64	37504	49.22	ug/l	99
7) Trichlorofluoromethane	1.48	101	164245m	54.90	ug/l	
8) Diethyl Ether	1.69	74	39110	50.99	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.88	101	89726	51.38	ug/l	92
10) Methyl Iodide	1.95	142	153308	48.14	ug/l	96
11) Tert butyl alcohol	2.68	59	55629	258.29	ug/l	97
12) 1,1-Dichloroethene	1.84	96	77327	52.38	ug/l	95
13) Acrolein	2.08	56	25353	246.62	ug/l	92
14) Allyl chloride	2.18	41	144475	52.14	ug/l	97
15) Acrylonitrile	3.05	53	110312	290.86	ug/l	96
16) Acetone	2.32	43	239777m	298.76	ug/l	
17) Carbon Disulfide	1.85	76	153180	44.11	ug/l #	94
18) Methyl Acetate	2.43	43	94463	65.04	ug/l #	91
19) Methyl tert-butyl Ether	2.52	73	295606	53.68	ug/l	94
20) Methylene Chloride	2.31	84	89784m	49.40	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	74576	47.36	ug/l	99
22) Diisopropyl ether	2.91	45	324976	52.96	ug/l	95
23) Vinyl Acetate	3.31	43	1014805	259.67	ug/l	99
24) 1,1-Dichloroethane	2.99	63	194354	51.08	ug/l	100
25) 2-Butanone	4.48	43	275255	281.61	ug/l	98
26) 2,2-Dichloropropane	3.73	77	147446	56.19	ug/l	96
27) cis-1,2-Dichloroethene	3.61	96	115178	48.17	ug/l	92
28) Bromochloromethane	3.86	49	73881	50.62	ug/l	88
29) Tetrahydrofuran	4.23	42	120887	292.02	ug/l	97
30) Chloroform	4.01	83	292176	53.05	ug/l	95
31) Cyclohexane	3.84	56	114840	46.08	ug/l	96
32) 1,1,1-Trichloroethane	4.25	97	213538	52.98	ug/l	93
36) 1,1-Dichloropropene	4.43	75	161470	49.01	ug/l	100
37) Ethyl Acetate	4.27	43	117639	55.99	ug/l	96
38) Carbon Tetrachloride	4.15	117	231247m	55.61	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	141304	48.39	ug/l	91
40) Benzene	4.78	78	354446	48.52	ug/l	98
41) Methacrylonitrile	4.90	41	54437	48.43	ug/l #	88
42) 1,2-Dichloroethane	5.09	62	238231	55.81	ug/l	98
43) Isopropyl Acetate	7.09	43	151144	55.07	ug/l	96
44) Trichloroethene	5.65	130	122815	49.01	ug/l	93
45) 1,2-Dichloropropane	6.38	63	109413	52.42	ug/l	99
46) Dibromomethane	6.23	93	101244	55.88	ug/l	99
47) Bromodichloromethane	6.52	83	244667	55.79	ug/l	100
48) Methyl methacrylate	6.85	41	98020	53.29	ug/l	95
49) 1,4-Dioxane	6.85	88	10162	1036.98	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	552484	271.72	ug/l	98
52) Toluene	7.76	92	272841	49.91	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	206014	51.54	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	234990	54.12	ug/l	98
55) 1,1,2-Trichloroethane	8.61	97	117101	55.17	ug/l	96
56) Ethyl methacrylate	8.74	69	140187	53.32	ug/l	95
57) 1,3-Dichloropropane	8.98	76	189421	52.04	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	52782	267.66	ug/l	100
59) 2-Hexanone	9.61	43	475687	315.86	ug/l	99
60) Dibromochloromethane	8.84	129	187693	57.28	ug/l	89
61) 1,2-Dibromoethane	9.12	107	134613	52.29	ug/l	98
64) Tetrachloroethene	8.28	164	122623	50.69	ug/l	98
65) Chlorobenzene	9.92	112	361387	52.29	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	157500	52.69	ug/l	97
67) Ethyl Benzene	10.01	91	595328	50.78	ug/l	95
68) m/p-Xylenes	10.25	106	418599	100.32	ug/l	94
69) o-Xylene	10.81	106	243355	52.14	ug/l	99
70) Styrene	10.88	104	363184	51.08	ug/l	98
71) Bromoform	10.87	173	119317	58.24	ug/l	96
73) Isopropylbenzene	11.22	105	719565	52.68	ug/l	97
74) N-amyl acetate	11.44	43	269029	54.28	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.77	83	180363	52.29	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	142228	54.66	ug/l	95
77) Bromobenzene	11.58	156	199250	52.58	ug/l	88
78) n-propylbenzene	11.67	91	820410	50.02	ug/l	97
79) 2-Chlorotoluene	11.80	91	525127	52.40	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	644346	53.86	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	82171	53.06	ug/l	95
82) 4-Chlorotoluene	11.98	91	550997	51.33	ug/l	94
83) tert-Butylbenzene	12.20	119	645514	53.95	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	663691	52.67	ug/l	97
85) sec-Butylbenzene	12.38	105	832698	52.50	ug/l	98
86) p-Isopropyltoluene	12.53	119	691716	51.97	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	350126	56.57	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	357874	52.88	ug/l	98
89) n-Butylbenzene	12.90	91	719256	53.23	ug/l	97
90) Hexachloroethane	12.98	117	181547	54.72	ug/l	82
91) 1,2-Dichlorobenzene	13.01	146	362858	52.75	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	43589	57.00	ug/l	73

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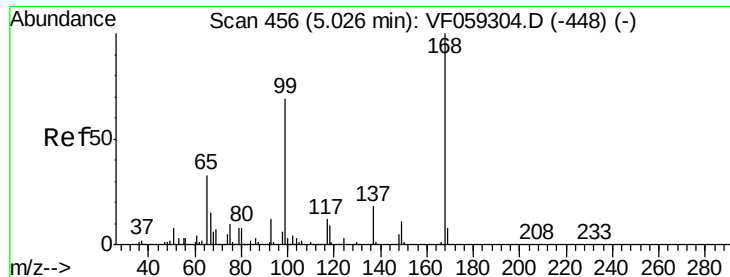
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	290133	57.04	ug/l	97
94) Hexachlorobutadiene	14.24	225	171824	60.48	ug/l	95
95) Naphthalene	14.51	128	632862	59.47	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	287399	59.64	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 250395

Ion Ratio Lower Upper

168 100

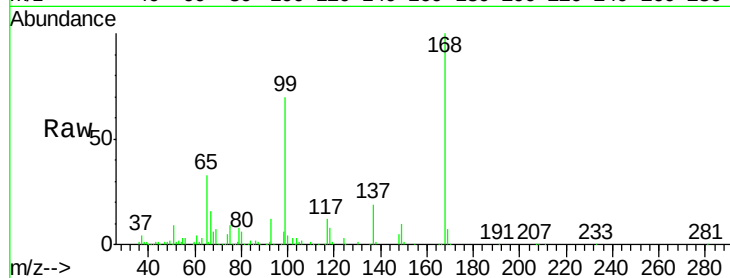
99 69.7 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

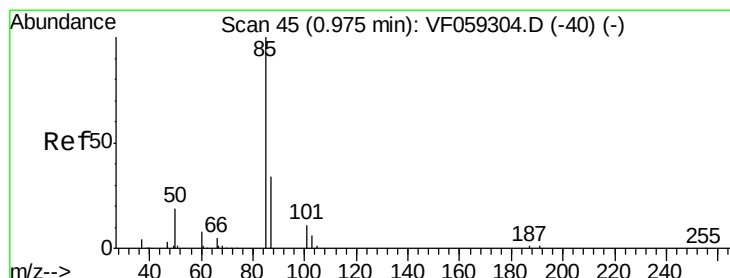
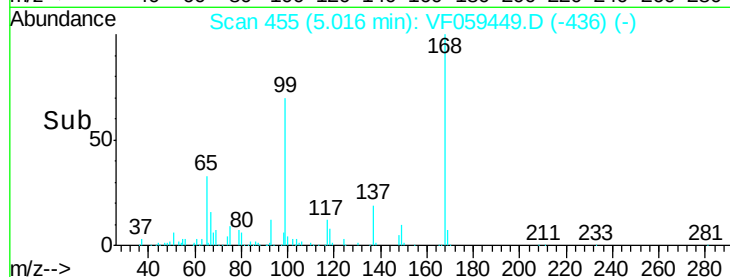
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 48.84 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059449.D

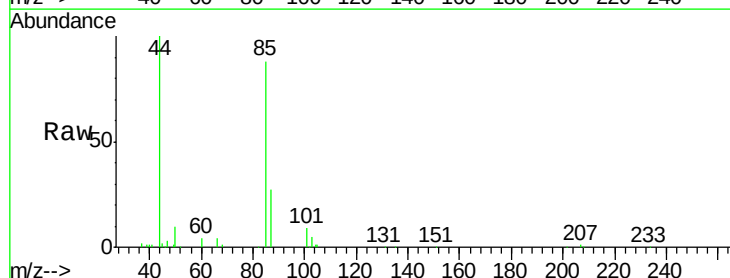
Acq: 6 Jul 2018 14:05

Tgt Ion: 85 Resp: 111733

Ion Ratio Lower Upper

85 100

87 30.7 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

30000

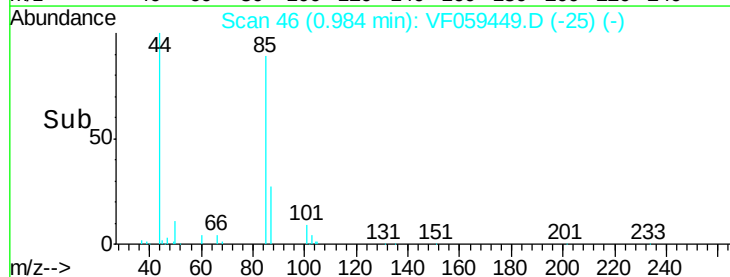
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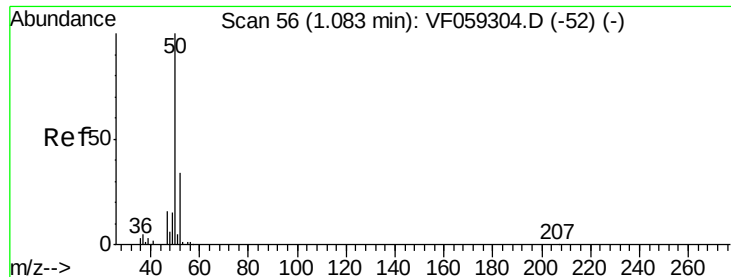
10000

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Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 40.80 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tot Ion: 50 Resp: 62707

Ion Ratio Lower Upper

50 100

52 37.0 26.7 40.1

Instrument :

MSVOA_F

ClientSampleId :

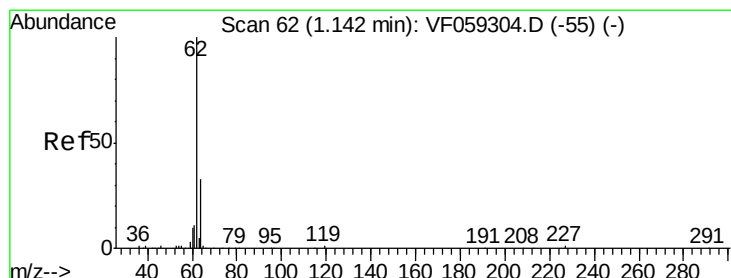
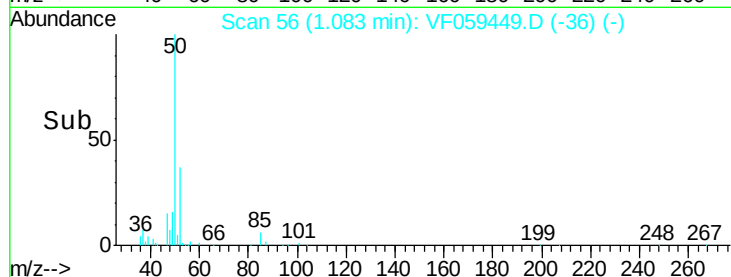
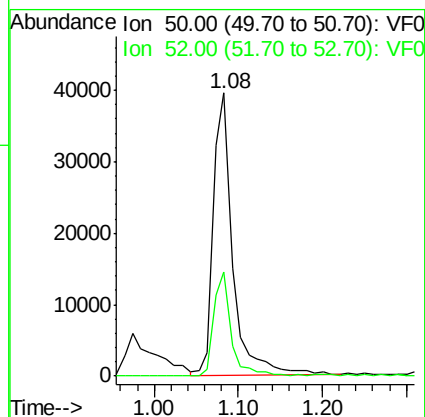
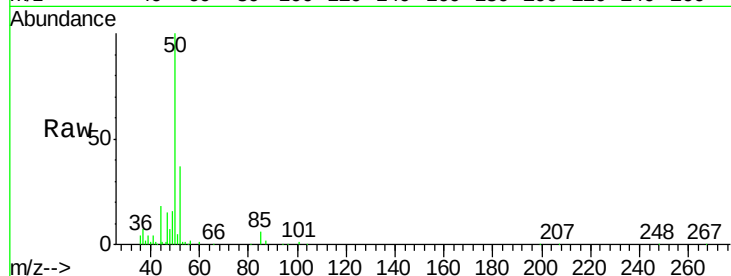
VSTDCCC050

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#4

Vinyl Chloride

Concen: 47.63 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059449.D

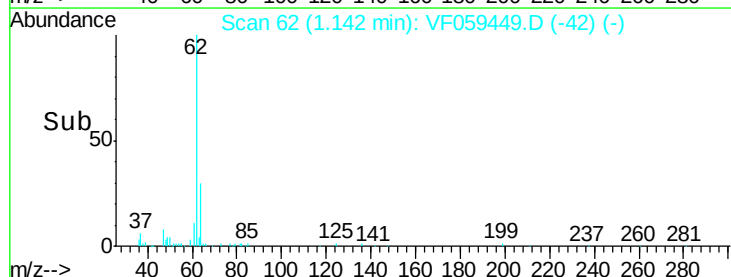
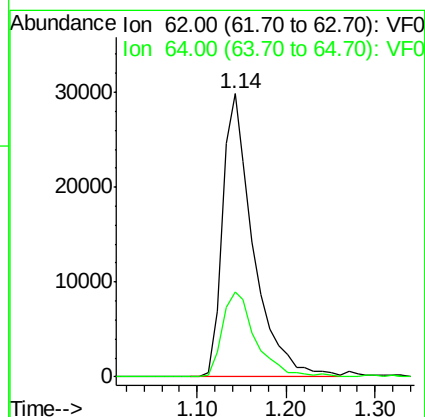
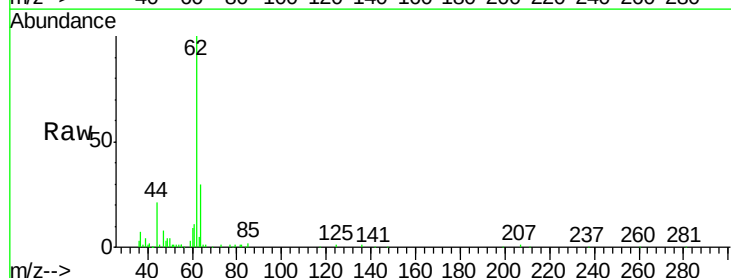
Acq: 6 Jul 2018 14:05

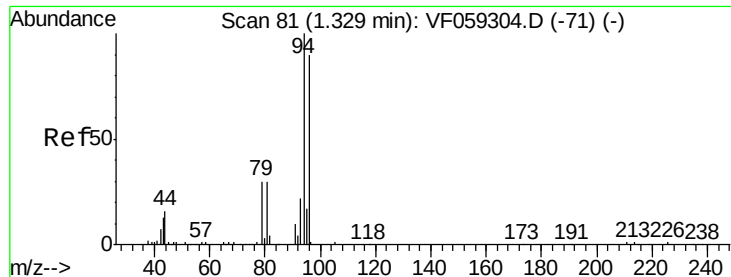
Tgt Ion: 62 Resp: 72049

Ion Ratio Lower Upper

62 100

64 30.0 26.3 39.5





#5

Bromomethane

Concen: 54.89 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tot Ion: 94 Resp: 46302

Ion Ratio Lower Upper

94 100

96 89.1 73.4 110.0

Instrument :

MSVOA_F

ClientSampleId :

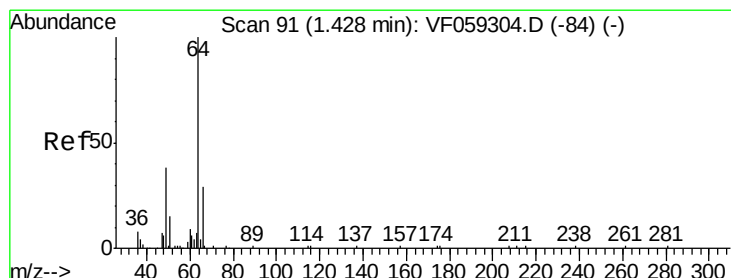
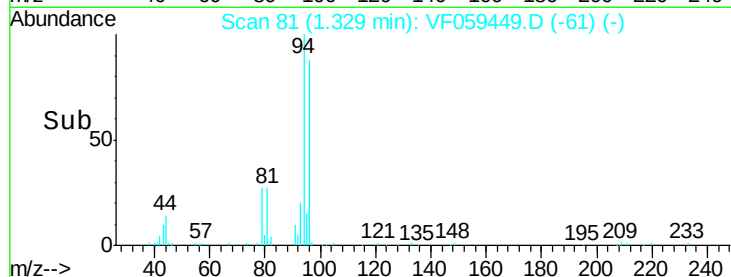
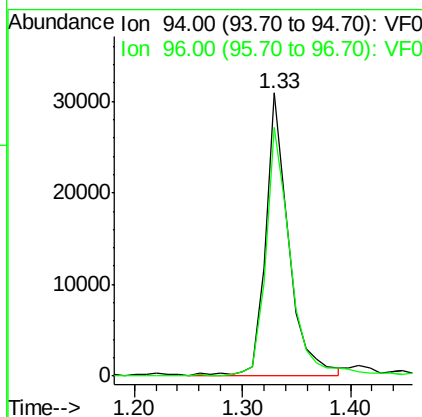
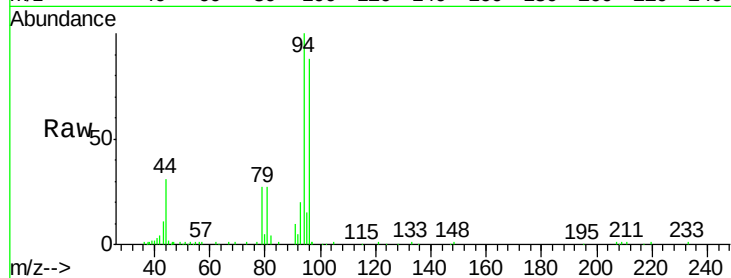
VSTDCCC050

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#6

Chloroethane

Concen: 49.22 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059449.D

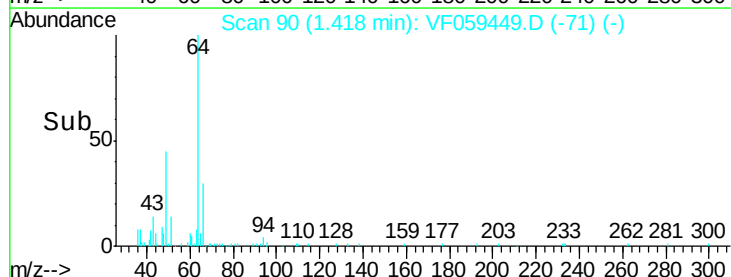
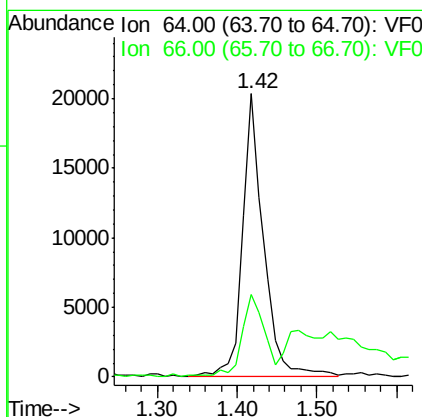
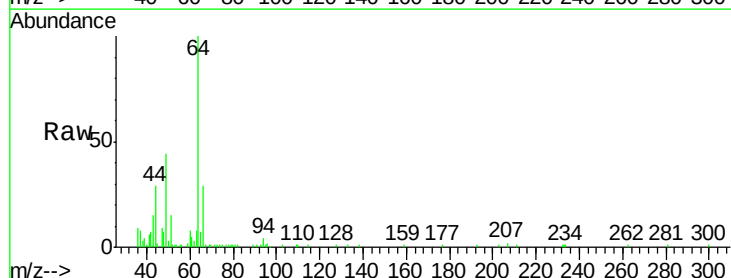
Acq: 6 Jul 2018 14:05

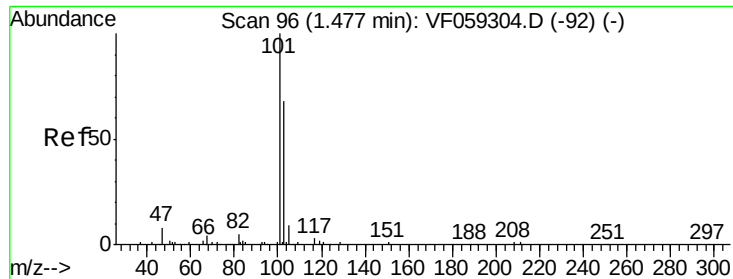
Tgt Ion: 64 Resp: 37504

Ion Ratio Lower Upper

64 100

66 29.3 23.9 35.9





#7

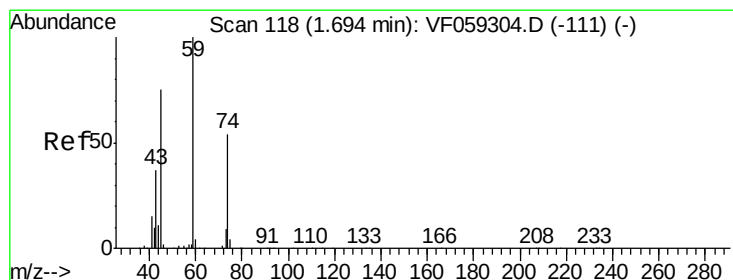
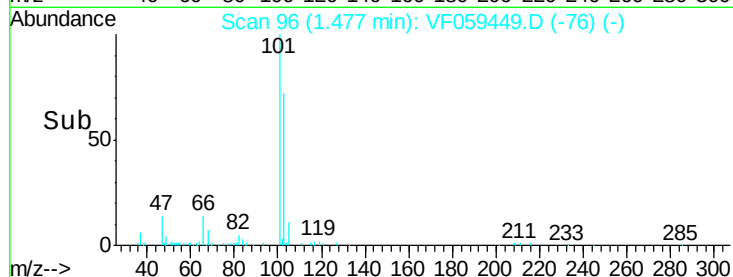
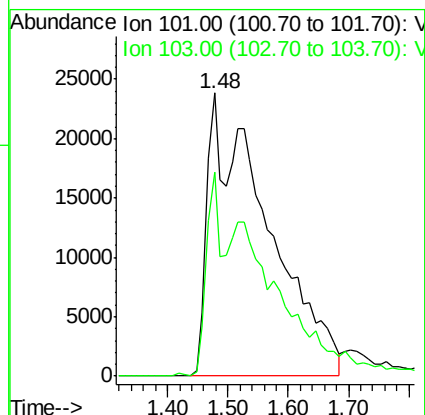
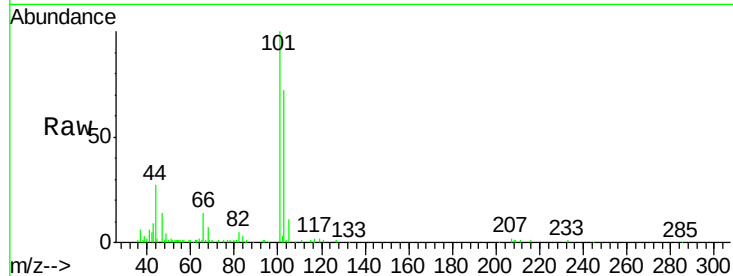
Trichlorofluoromethane
 Concen: 54.90 ug/l m
 RT: 1.48 min Scan# 96
 Delta R.T. -0.00 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	71.9	54.2	81.2

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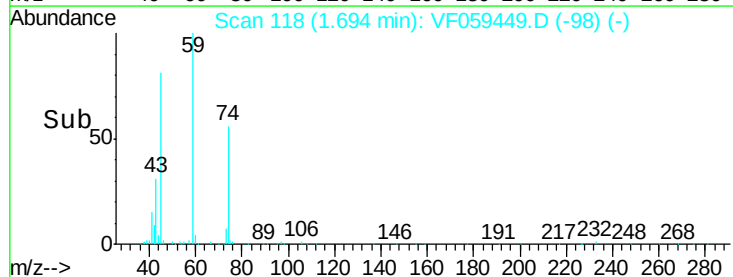
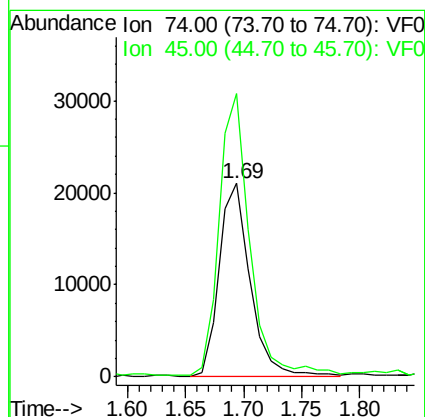
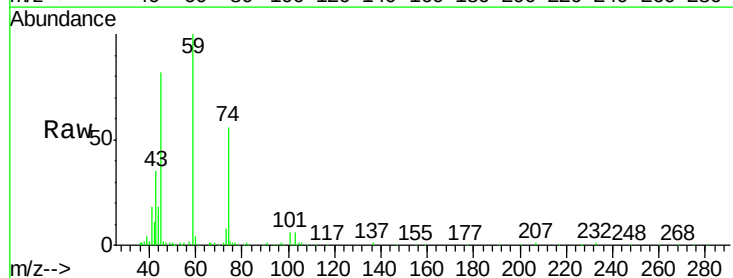
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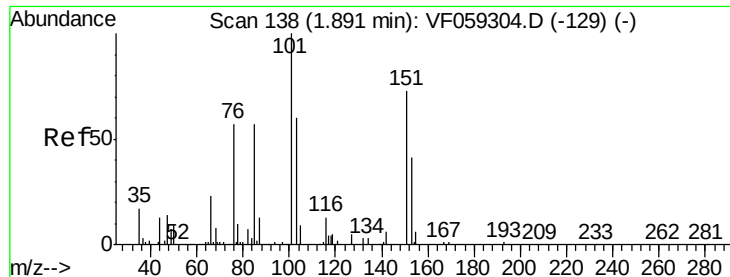


#8

Diethyl Ether
 Concen: 50.99 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	146.1	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.38 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

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MSVOA_F

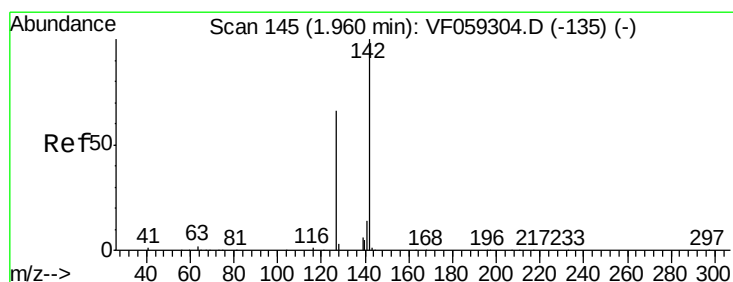
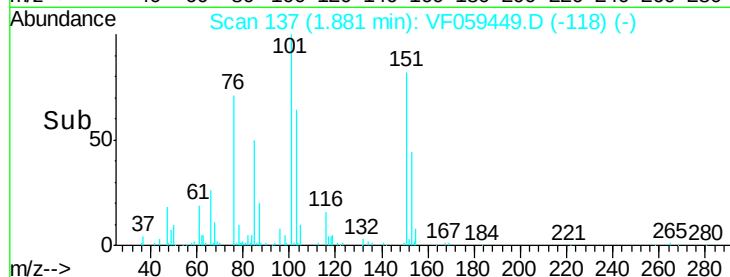
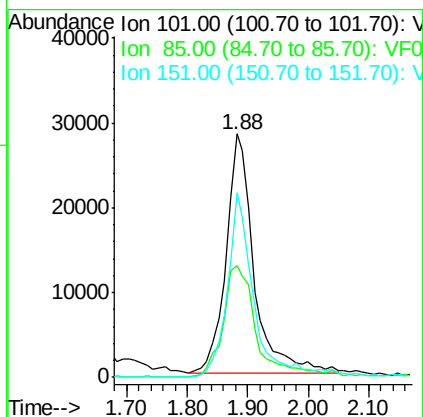
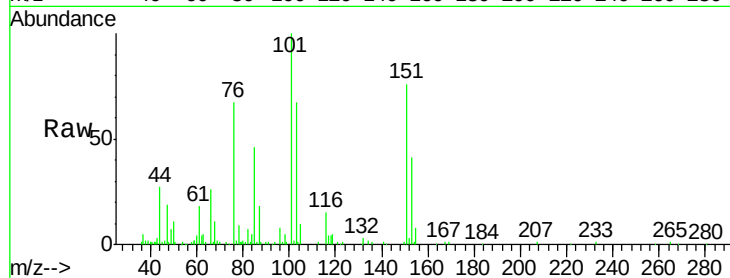
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	89726
Ion Ratio	Lower	Upper	
101	100		
85	47.5	44.5	66.7
151	75.9	56.8	85.2

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#10

Methyl Iodide

Concen: 48.14 ug/l

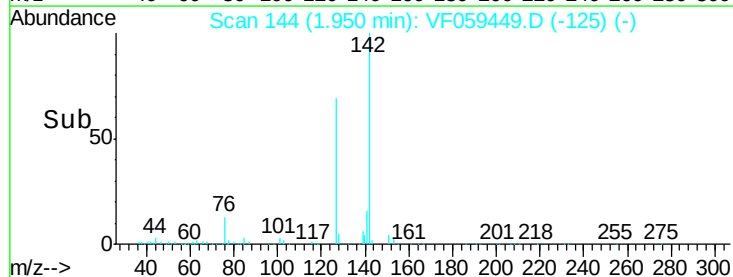
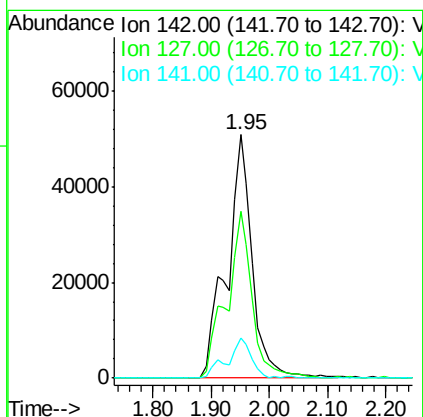
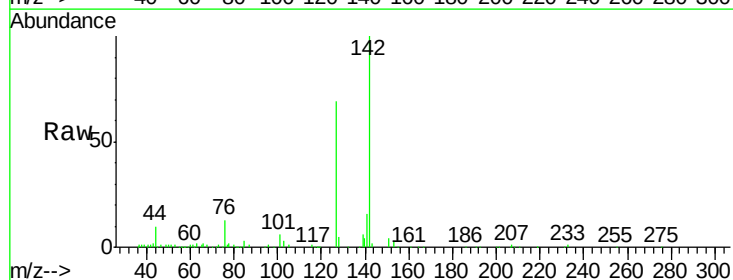
RT: 1.95 min Scan# 144

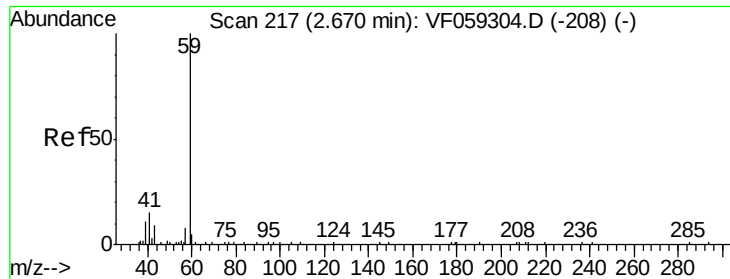
Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	142	Resp:	153308
Ion Ratio	Lower	Upper	
142	100		
127	68.7	52.5	78.7
141	16.3	11.5	17.3





#11

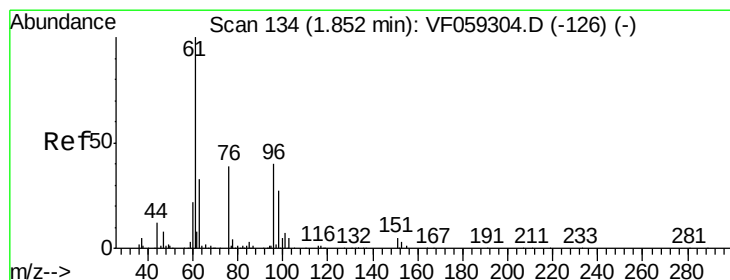
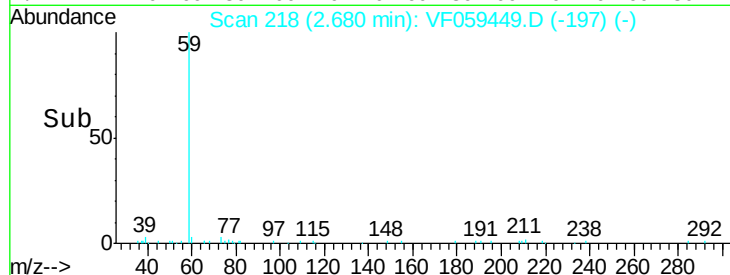
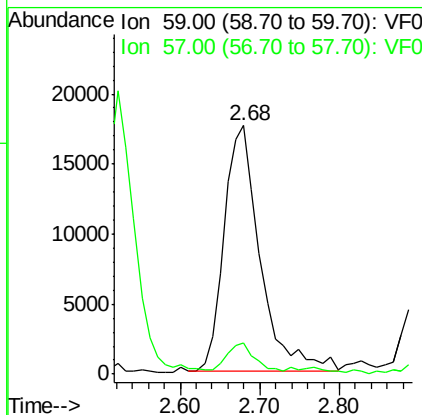
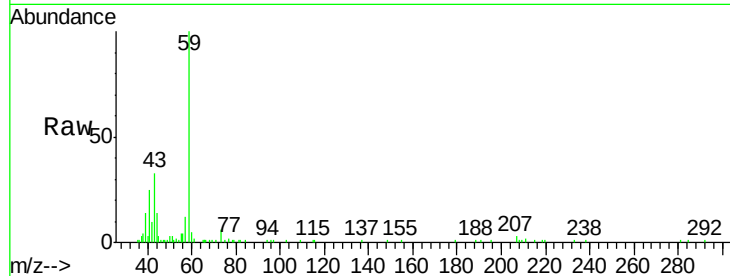
Tert butyl alcohol
 Concen: 258.29 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.4	11.0	16.4

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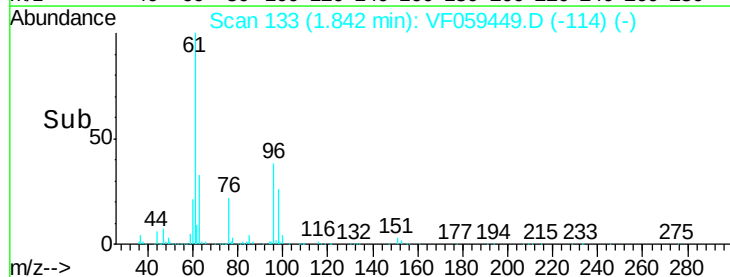
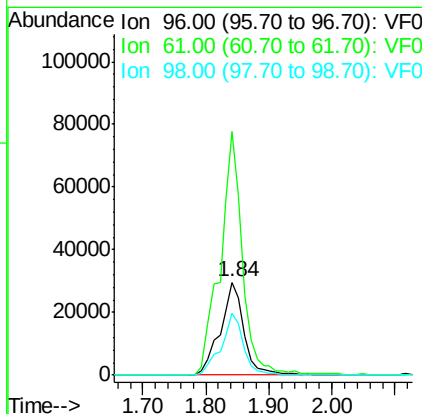
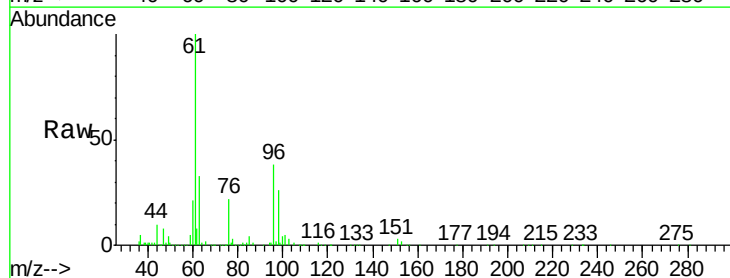
apatel
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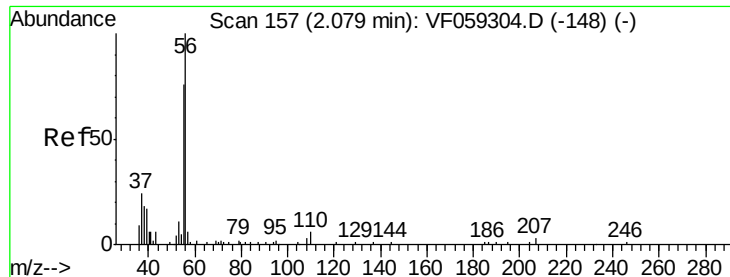


#12

1,1-Dichloroethene
 Concen: 52.38 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	262.1	201.1	301.7
98	67.2	53.9	80.9





#13

Acrolein

Concen: 246.62 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tot Ion: 56 Resp: 25353

Ion Ratio Lower Upper

56 100

55 70.7 62.4 93.6

Instrument :

MSVOA_F

ClientSampleId :

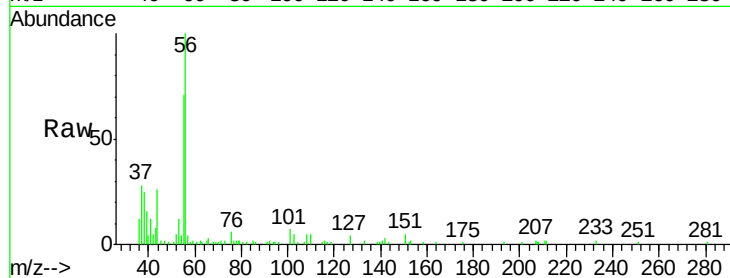
VSTDCCC050

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

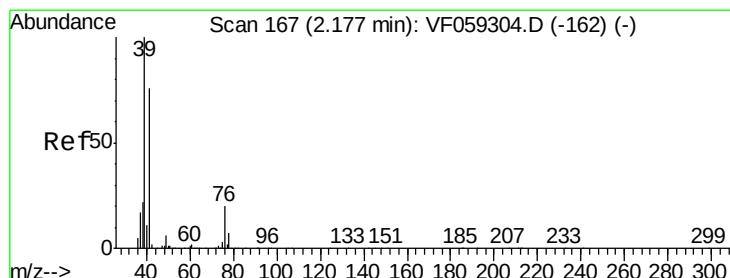
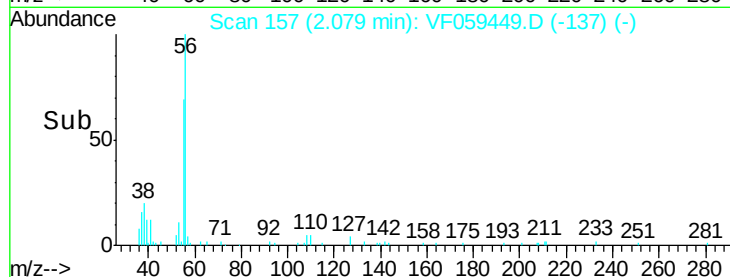
2.08

10000

5000

0

Time--> 1.90 2.00 2.10 2.20



#14

Allyl chloride

Concen: 52.14 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

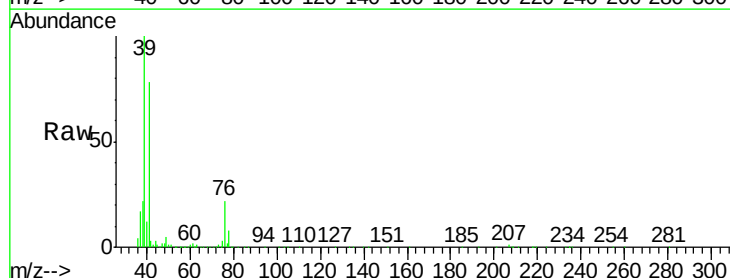
Tgt Ion: 41 Resp: 144475

Ion Ratio Lower Upper

41 100

39 128.9 105.6 158.4

76 28.3 21.6 32.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.18

100000

80000

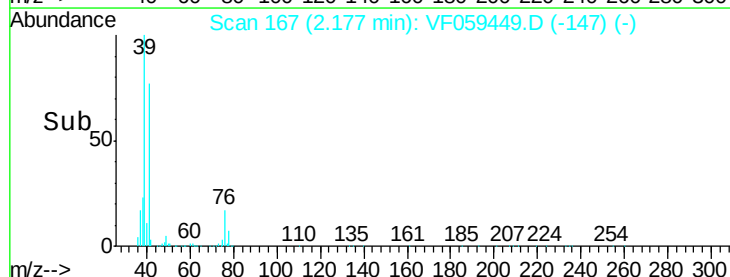
60000

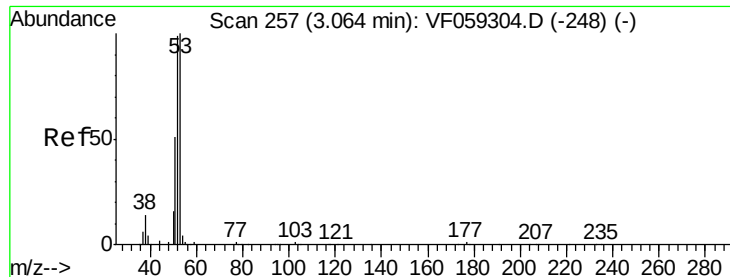
40000

20000

0

Time--> 2.10 2.20 2.30





#15

Acrylonitrile

Concen: 290.86 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

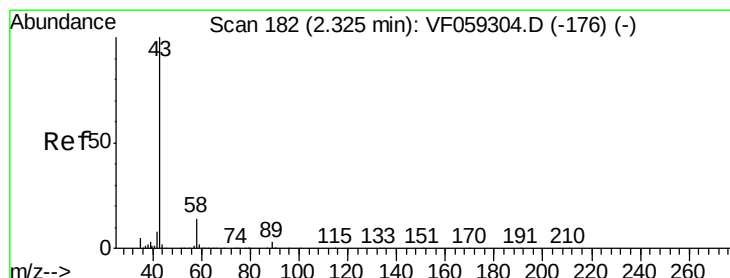
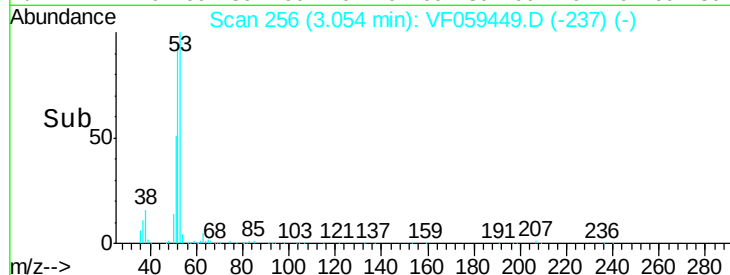
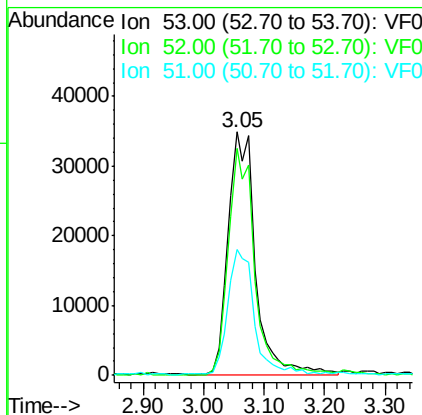
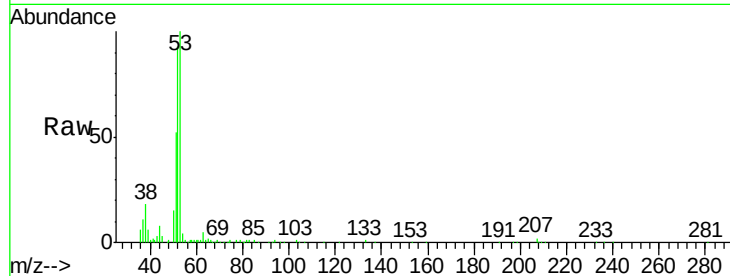
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	110312
Ion	Ratio	Lower	Upper
53	100		
52	93.4	79.2	118.8
51	51.6	40.9	61.3

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#16

Acetone

Concen: 298.76 ug/l m

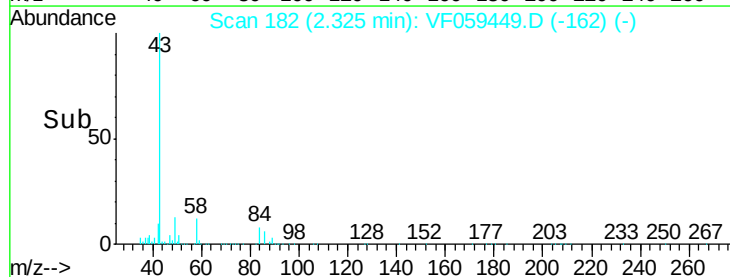
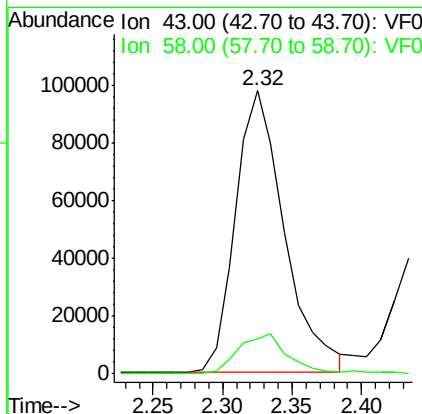
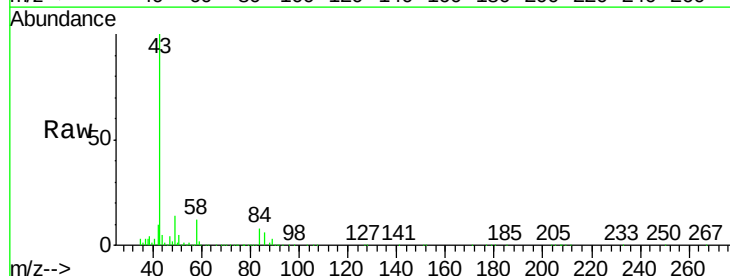
RT: 2.32 min Scan# 182

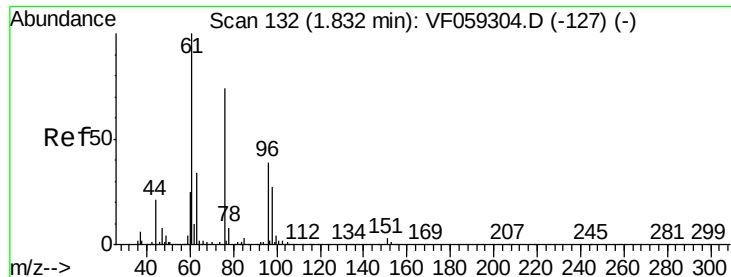
Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	43	Resp:	239777
Ion	Ratio	Lower	Upper
43	100		
58	12.3	11.4	17.0





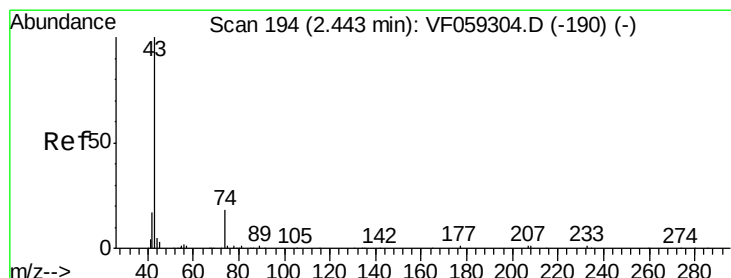
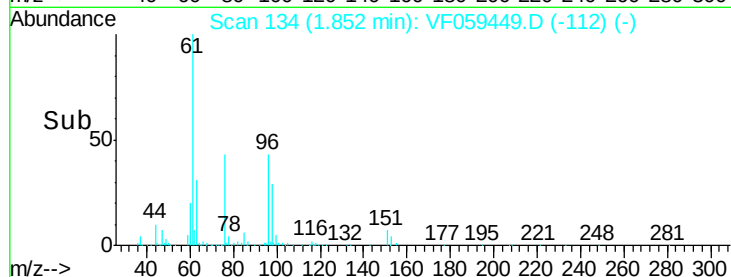
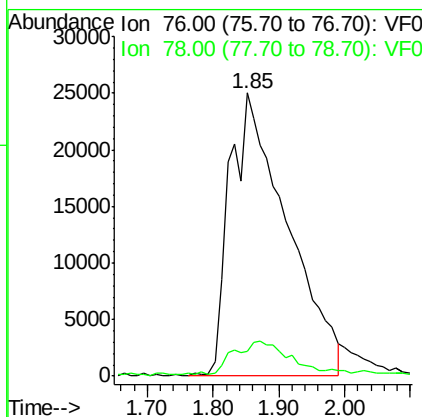
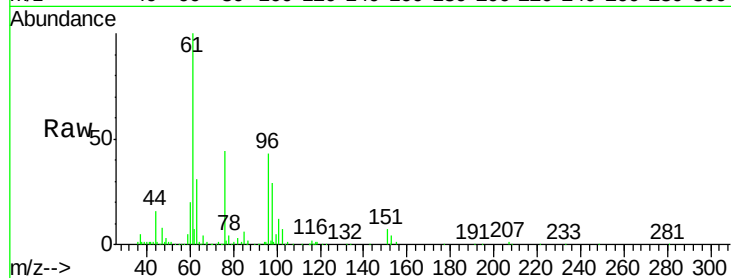
#17
Carbon Disulfide
Concen: 44.11 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.02 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	8.9	13.3#

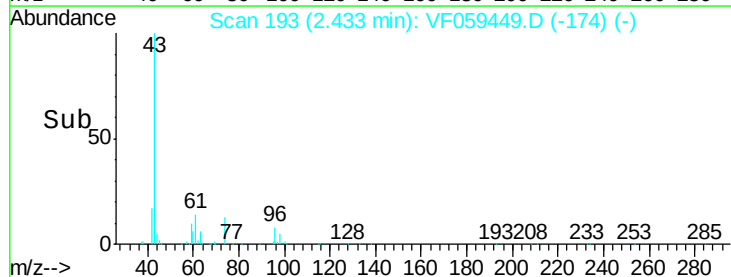
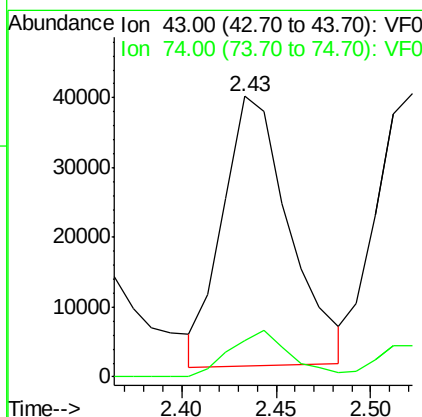
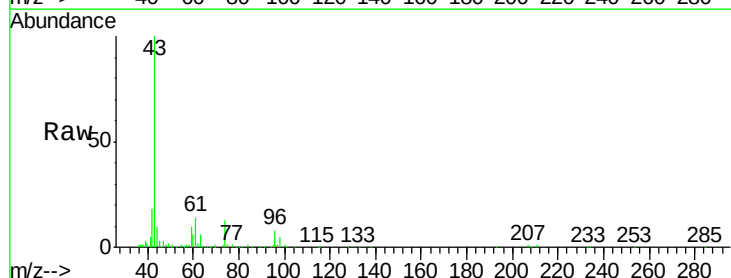
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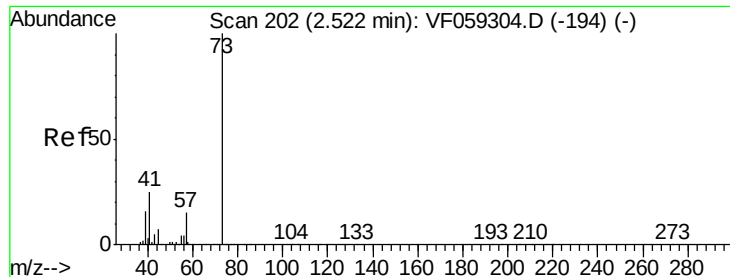
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#18
Methyl Acetate
Concen: 65.04 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.9	13.3	19.9#





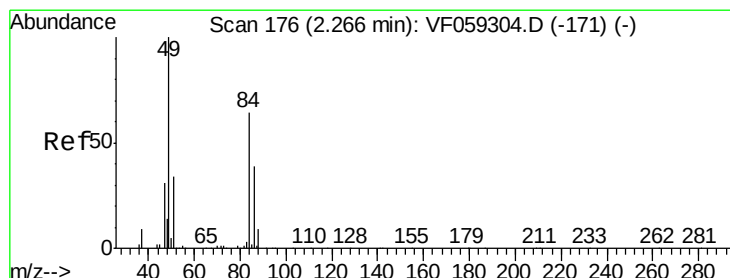
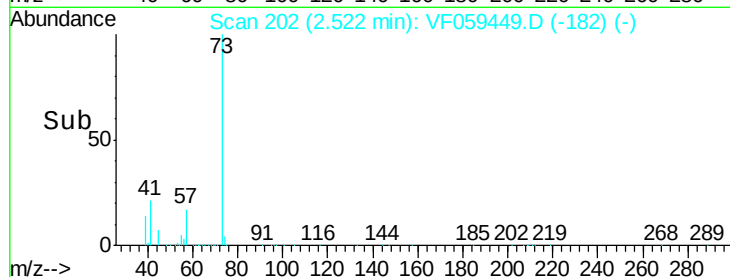
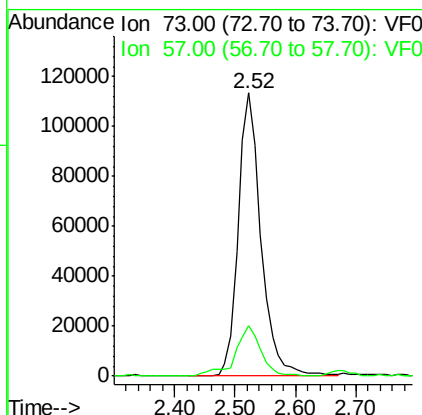
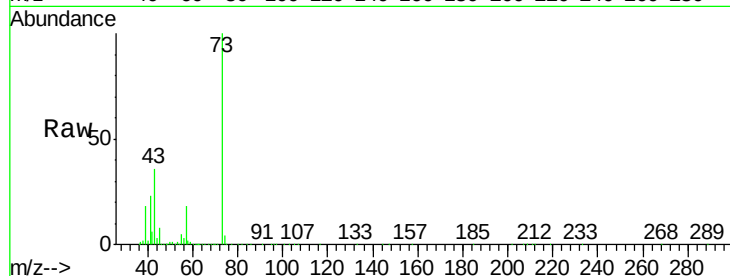
#19
Methyl tert-butyl Ether
Concen: 53.68 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.8	12.3	18.5

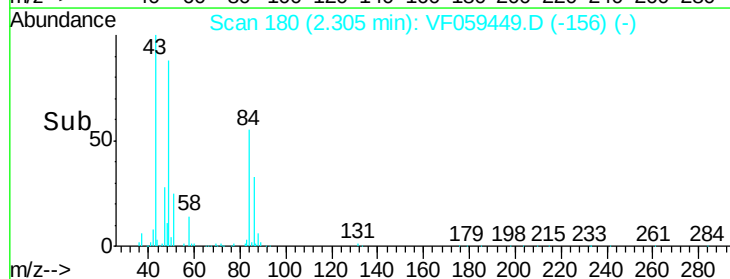
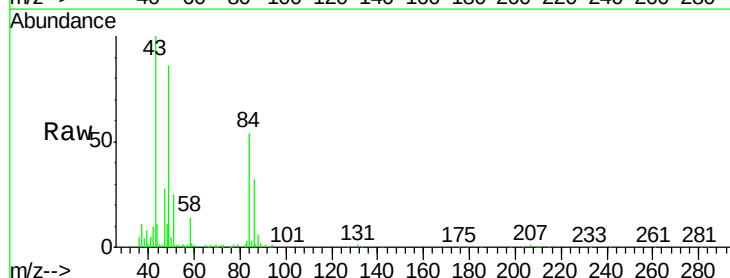
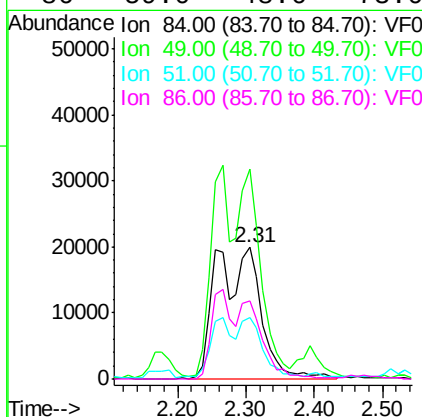
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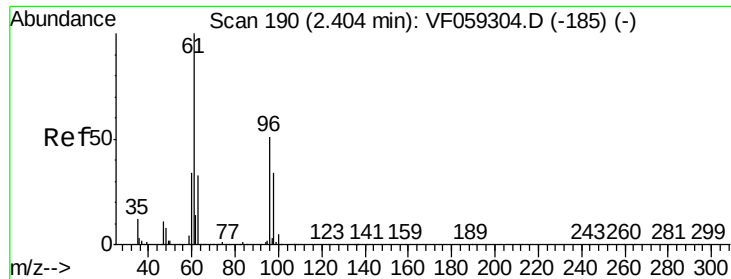
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#20
Methylene Chloride
Concen: 49.40 ug/l m
RT: 2.31 min Scan# 180
Delta R.T. 0.04 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.6	126.5	189.7
51	46.6	42.9	64.3
86	59.0	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 47.36 ug/l

RT: 2.39 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

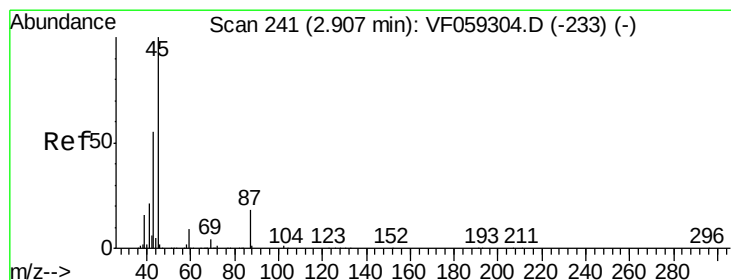
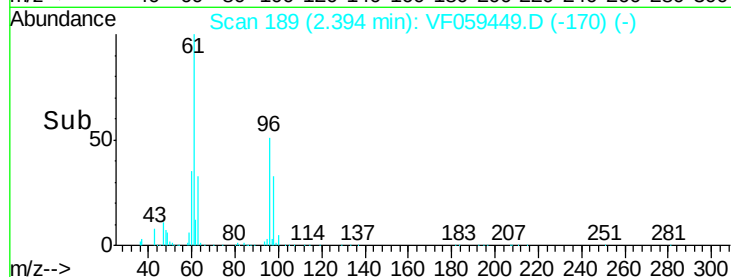
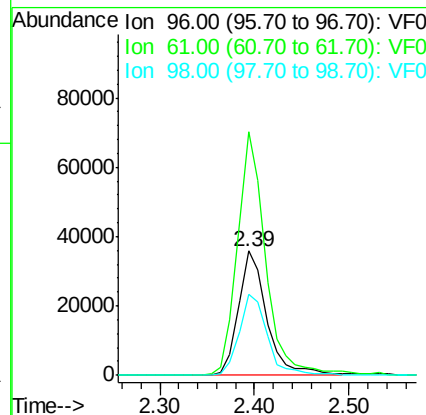
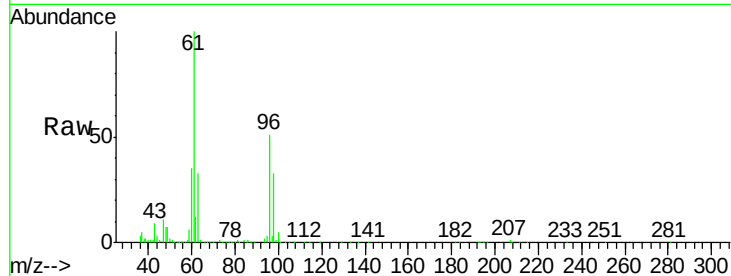
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	74576
Ion	Ratio	Lower	Upper
96	100		
61	195.5	157.4	236.2
98	64.6	53.7	80.5

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#22

Diisopropyl ether

Concen: 52.96 ug/l

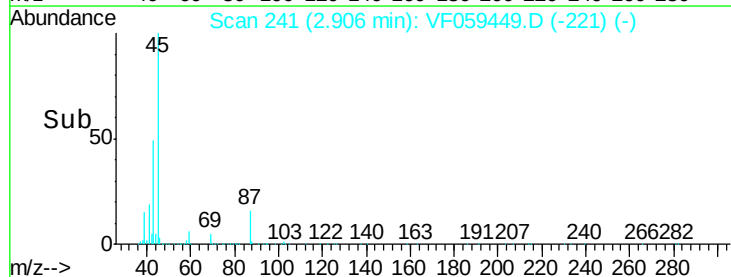
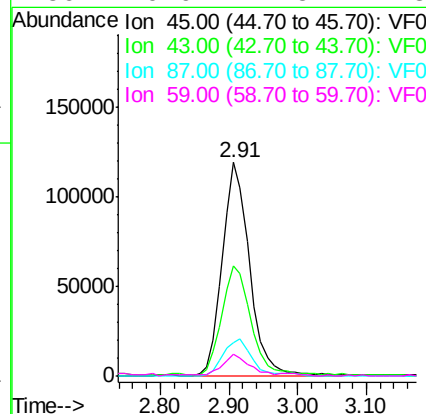
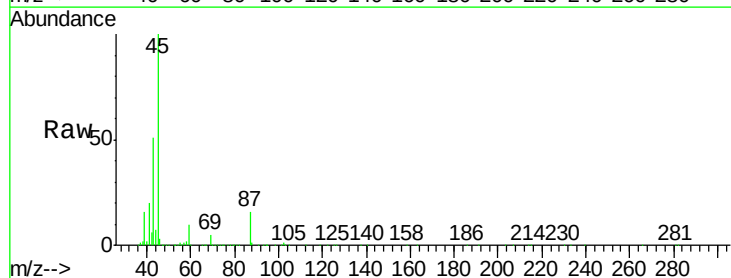
RT: 2.91 min Scan# 241

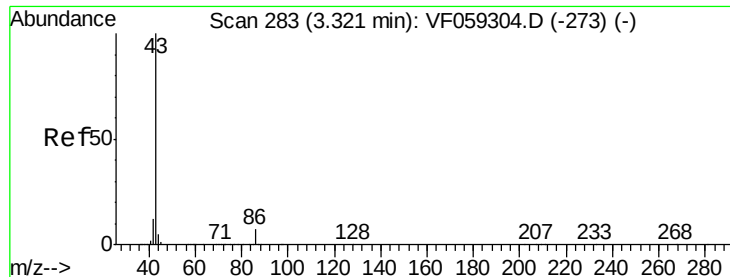
Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	45	Resp:	324976
Ion	Ratio	Lower	Upper
45	100		
43	51.3	44.6	66.8
87	15.9	14.3	21.5
59	9.9	7.5	11.3





#23

Vinyl Acetate

Concen: 259.67 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tot Ion: 43 Resp: 1014805

Ion Ratio Lower Upper

43 100

86 6.8 5.8 8.6

Instrument :

MSVOA_F

ClientSampleId :

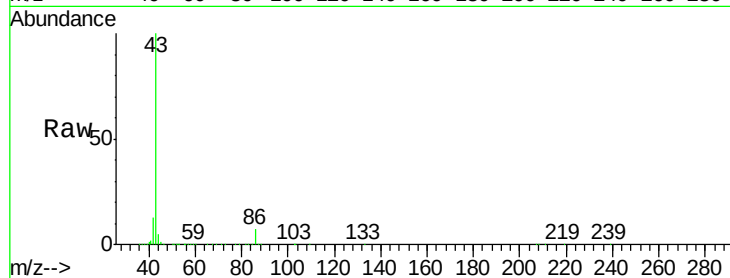
VSTDCCC050

Manual Integrations

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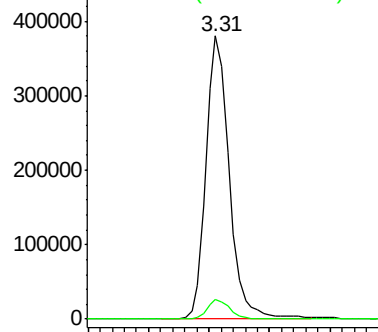
apatel

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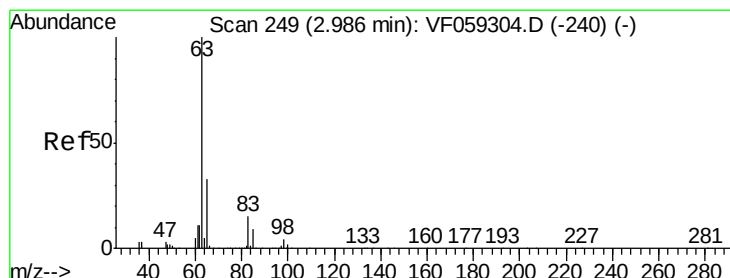
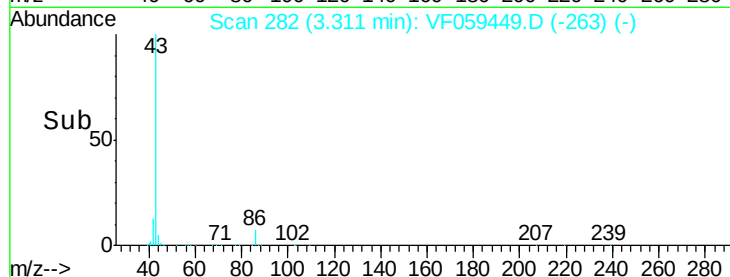


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time--> 3.10 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 51.08 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

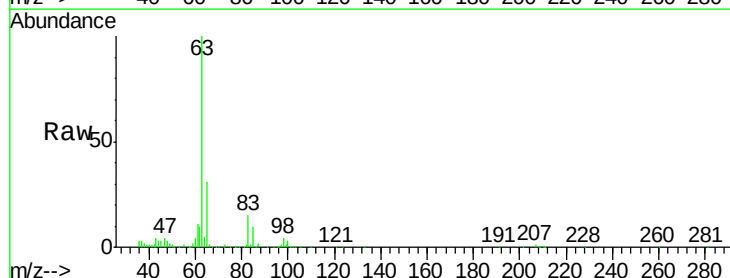
Tgt Ion: 63 Resp: 194354

Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

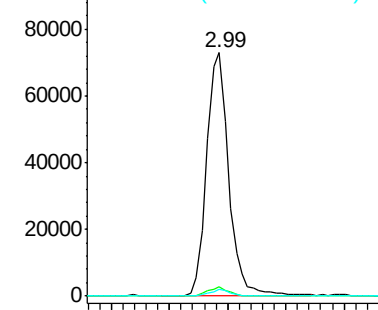
100 2.7 1.3 3.9



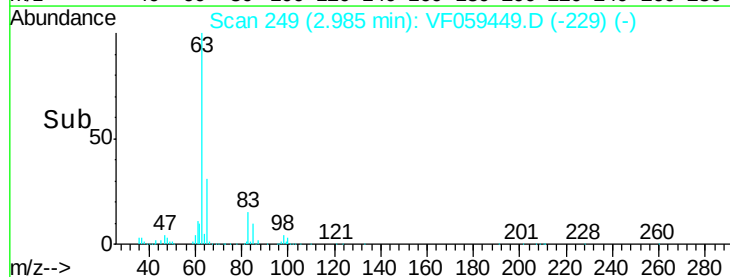
Abundance Ion 63.00 (62.70 to 63.70): VF0

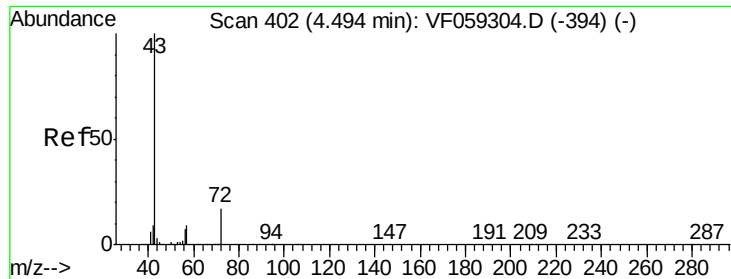
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time--> 2.80 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 281.61 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tot Ion: 43 Resp: 275255

Ion Ratio Lower Upper

43 100

72 18.8 14.4 21.6

Instrument :

MSVOA_F

ClientSampleId :

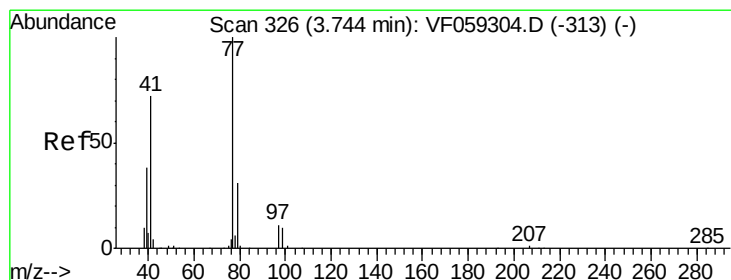
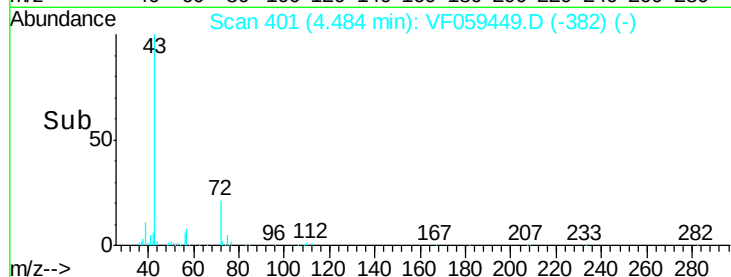
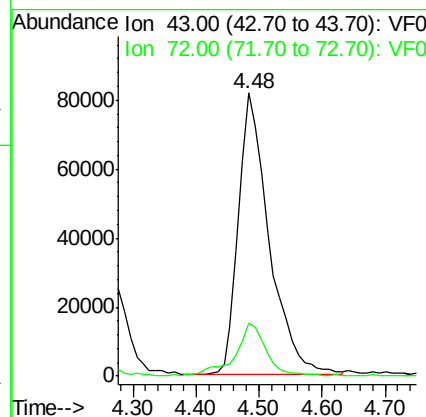
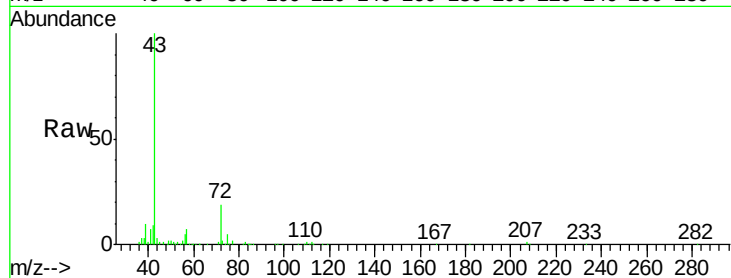
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 56.19 ug/l

RT: 3.73 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059449.D

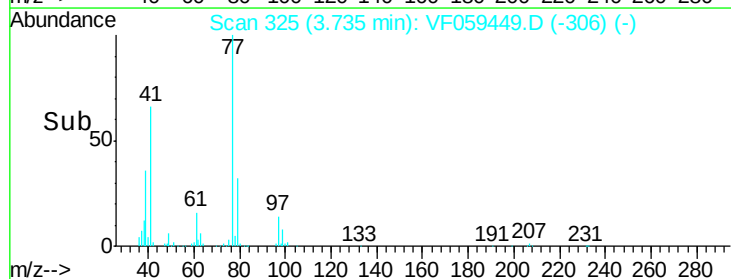
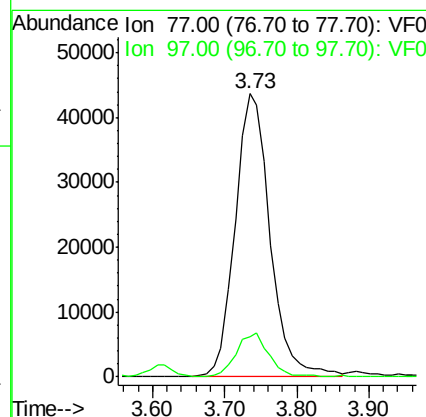
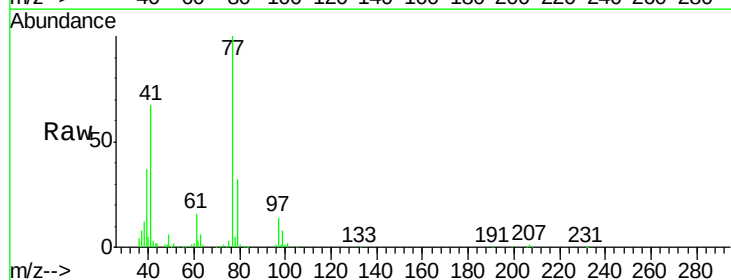
Acq: 6 Jul 2018 14:05

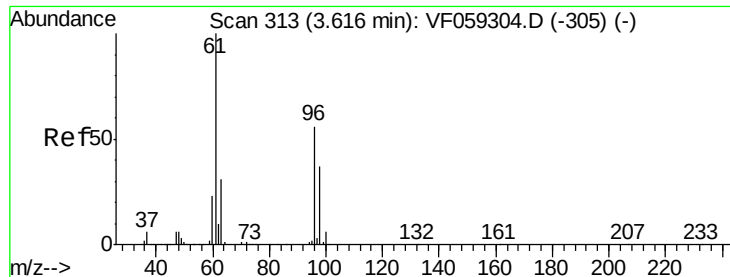
Tgt Ion: 77 Resp: 147446

Ion Ratio Lower Upper

77 100

97 14.3 8.0 23.8





#27

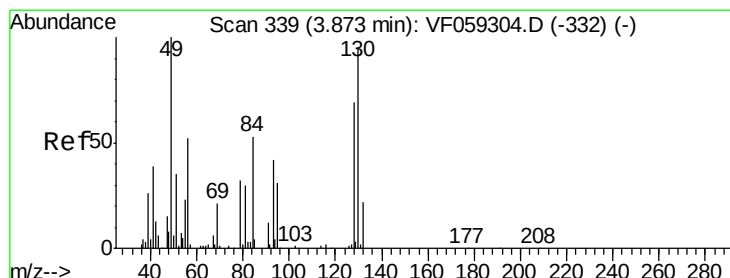
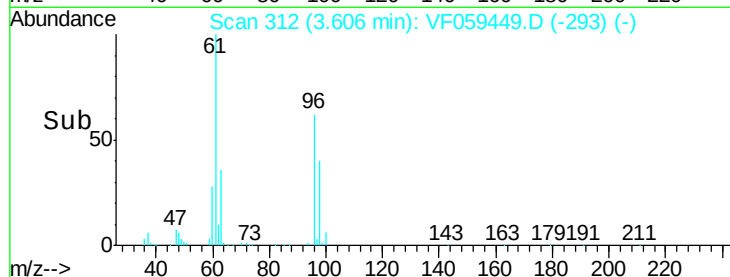
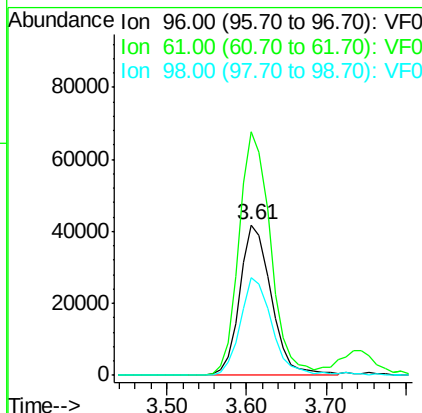
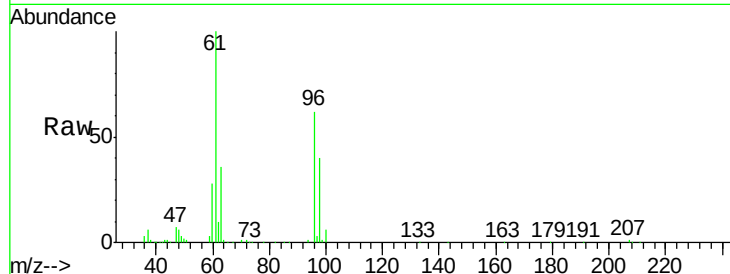
cis-1,2-Dichloroethene
Concen: 48.17 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.7	0.0	355.4	
98	65.3	0.0	131.0	

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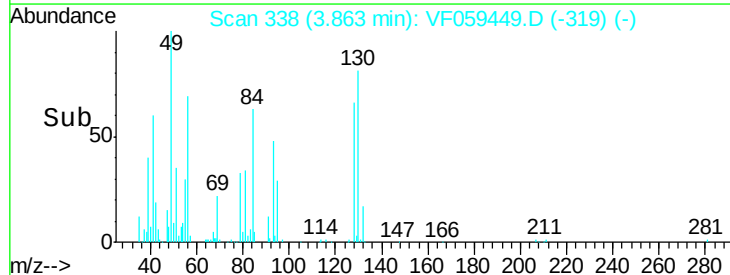
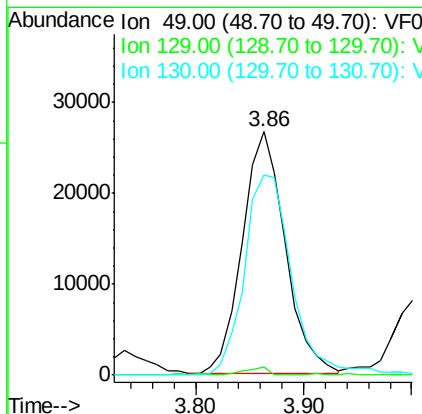
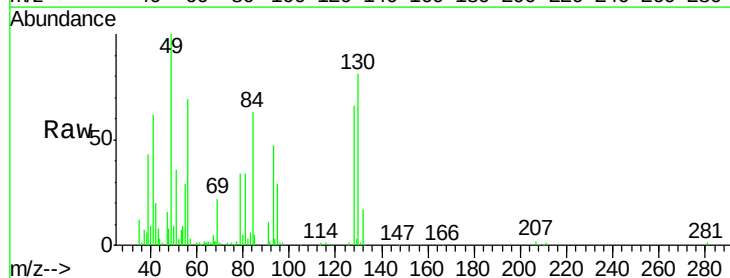
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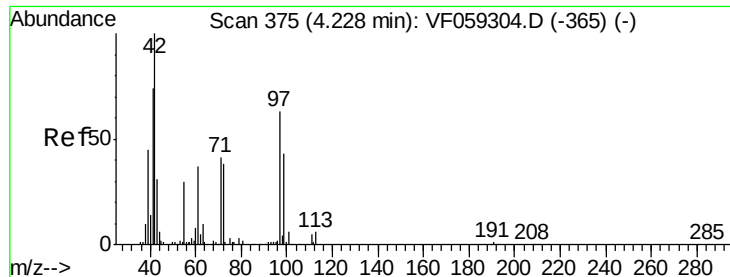


#28

Bromochloromethane
Concen: 50.62 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.4	0.0	6.4	
130	82.2	75.1	112.7	





#29

Tetrahydrofuran

Concen: 292.02 ug/l

RT: 4.23 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

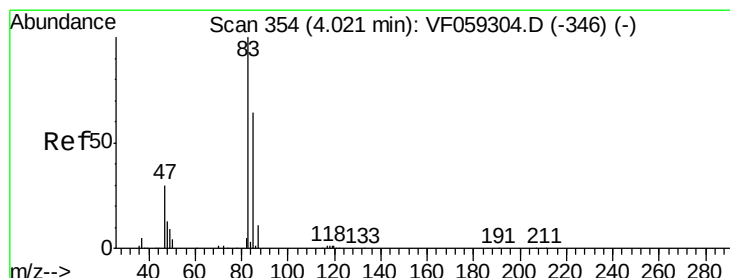
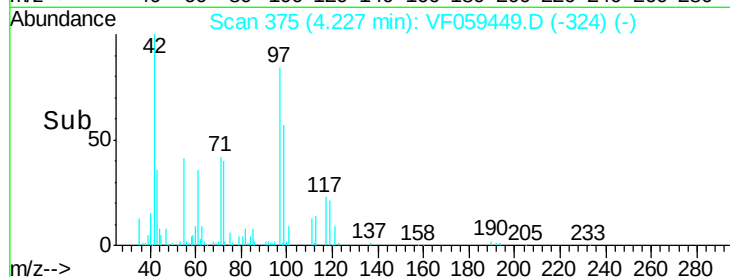
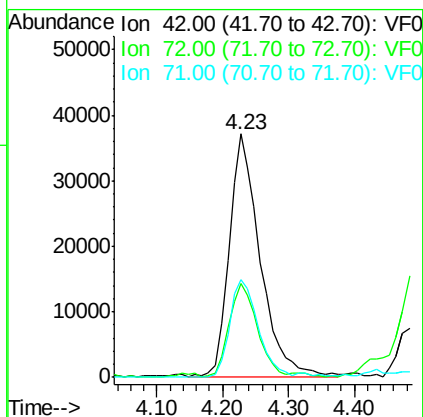
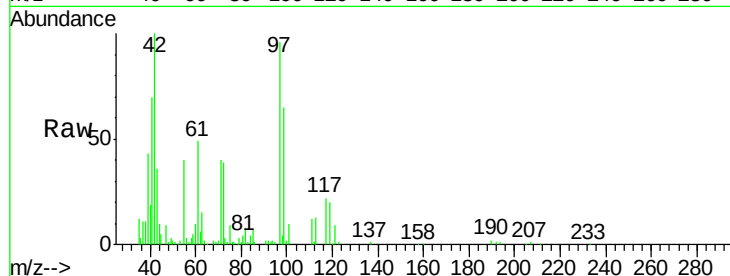
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	120887
Ion Ratio		Lower	Upper
42	100		
72	36.2	30.5	45.7
71	38.6	32.5	48.7

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#30

Chloroform

Concen: 53.05 ug/l

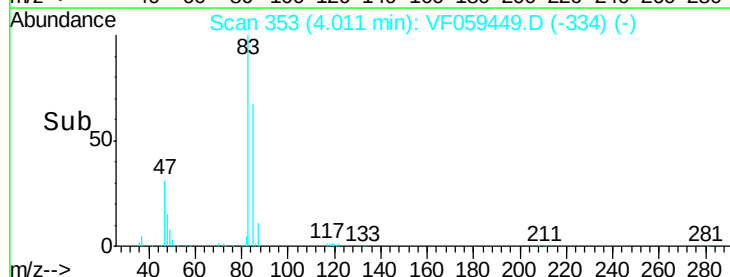
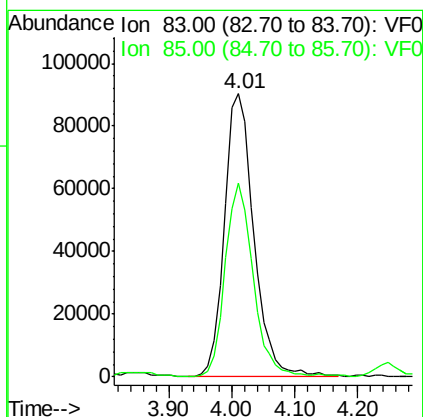
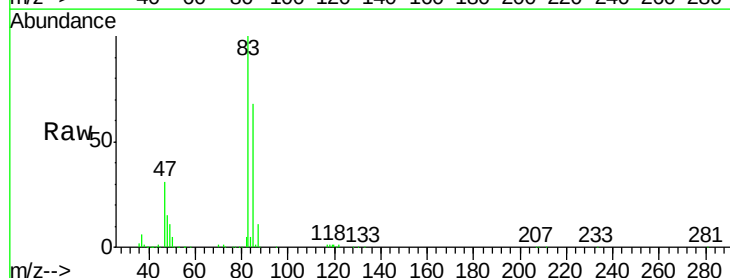
RT: 4.01 min Scan# 353

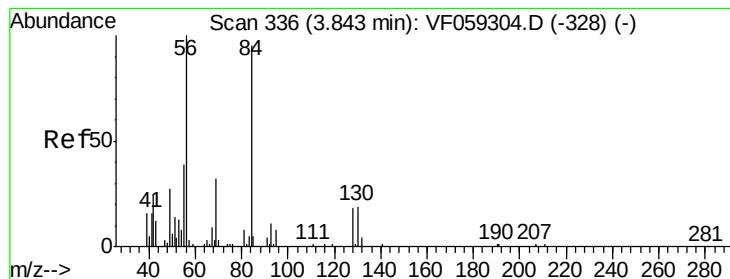
Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	83	Resp:	292176
Ion Ratio		Lower	Upper
83	100		
85	68.3	51.3	76.9





#31

Cyclohexane

Concen: 46.08 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059449.D

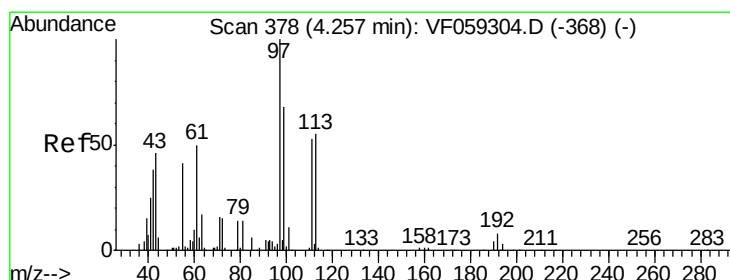
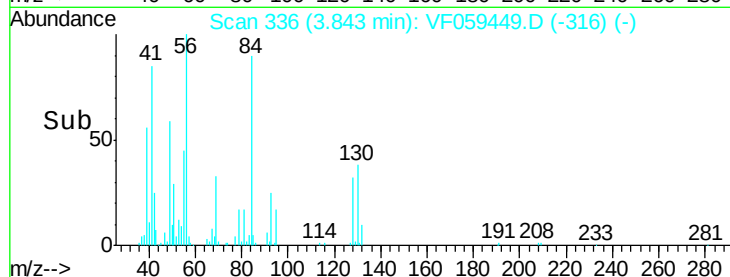
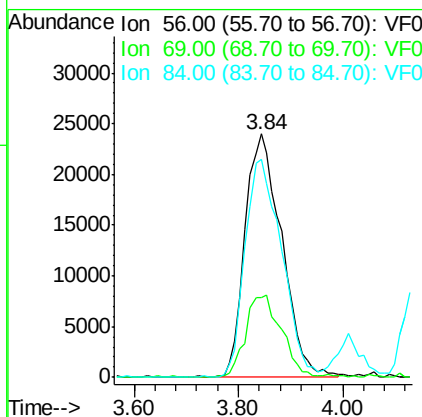
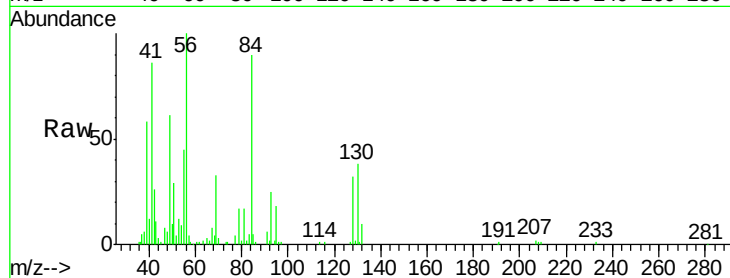
Acq: 6 Jul 2018 14:05

Tot Ion:	56	Resp:	114840
Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.8	38.8
84	89.7	75.6	113.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#32

1,1,1-Trichloroethane

Concen: 52.98 ug/l

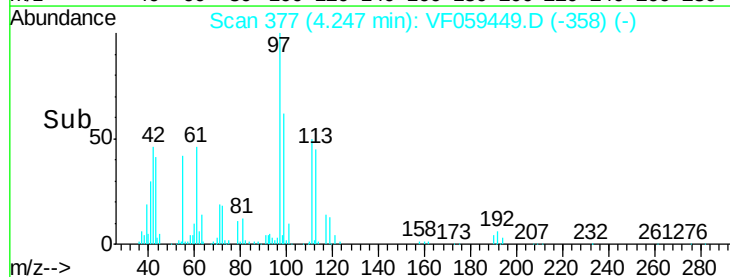
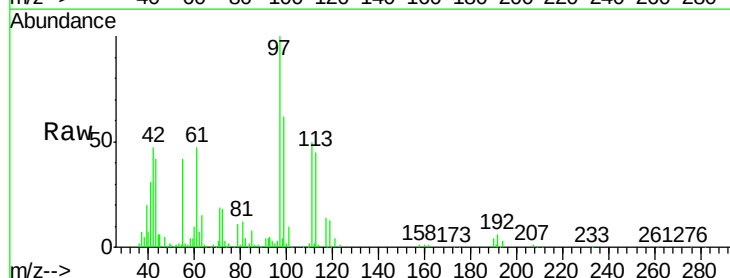
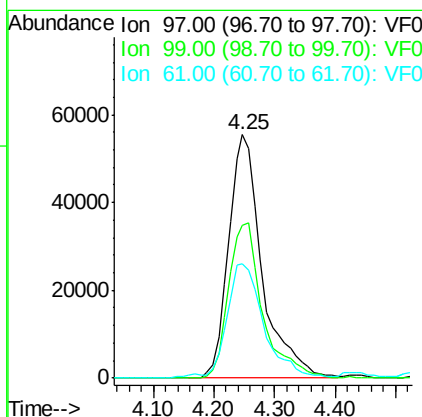
RT: 4.25 min Scan# 377

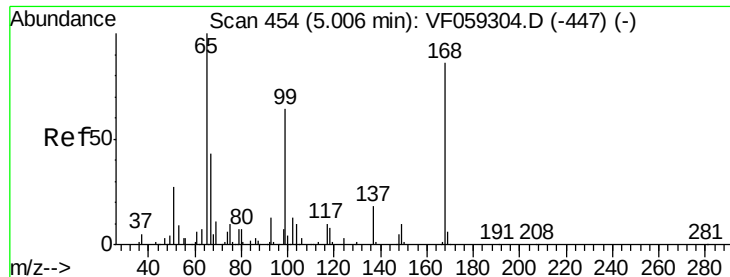
Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	97	Resp:	213538
Ion	Ratio	Lower	Upper
97	100		
99	62.5	54.1	81.1
61	46.7	41.2	61.8





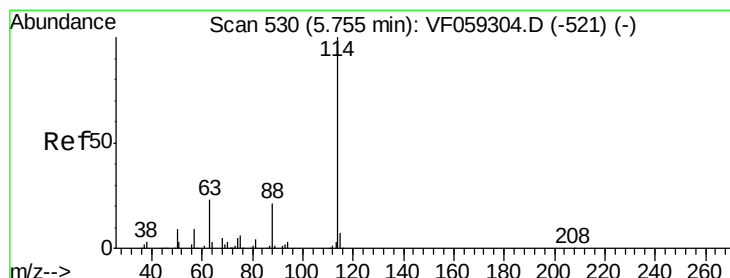
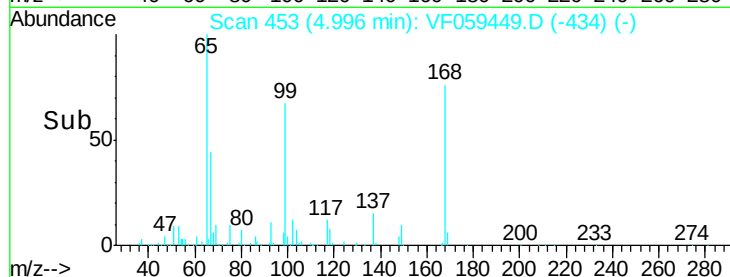
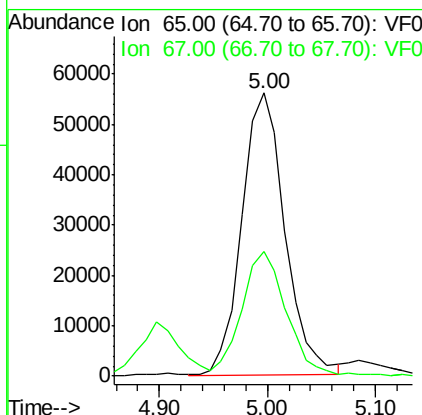
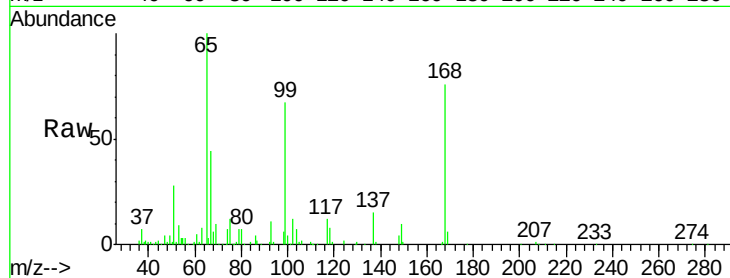
#33
 1,2-Dichloroethane-d4
 Concen: 48.14 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	44.0	0.0	96.8

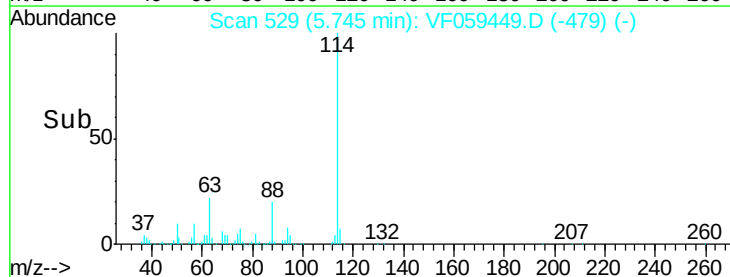
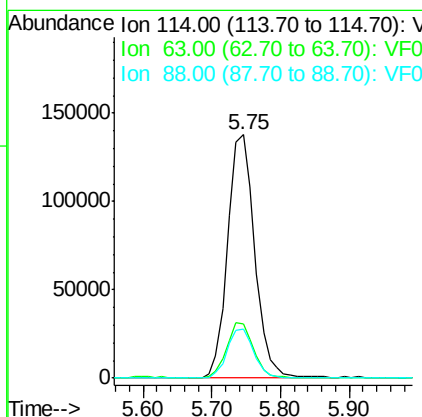
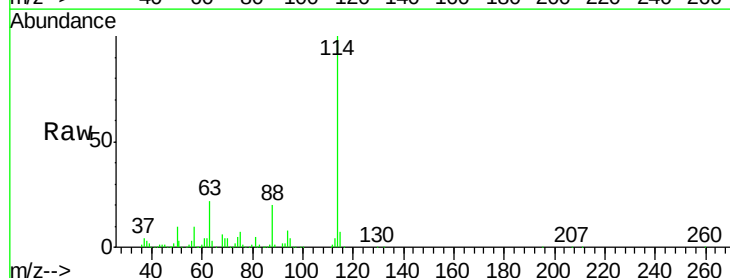
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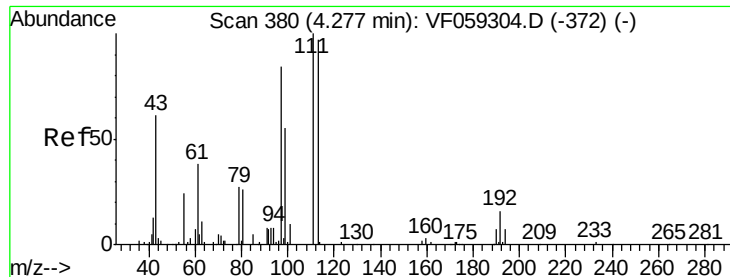
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.8
88	19.9	0.0	41.2





#35

Dibromofluoromethane

Concen: 48.03 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059449.D

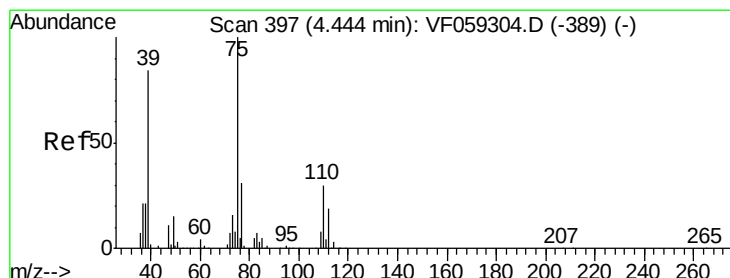
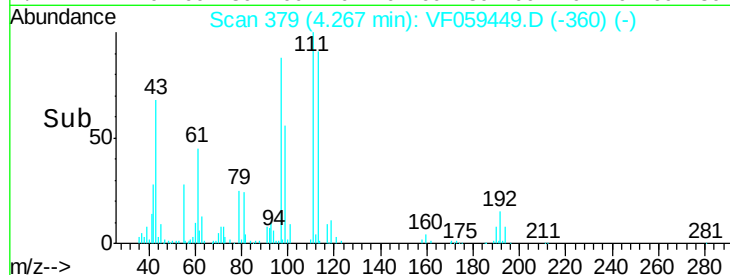
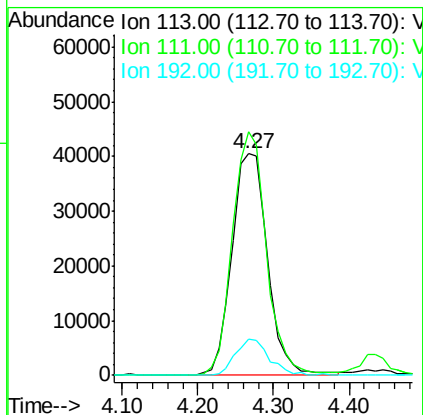
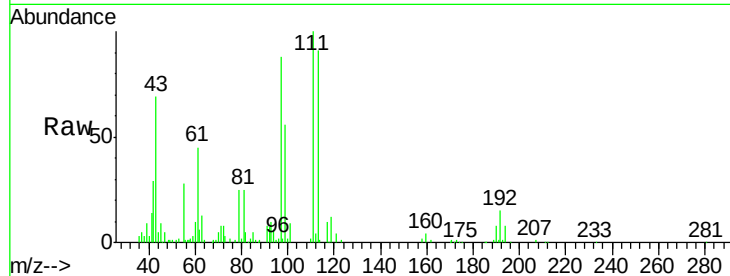
Acq: 6 Jul 2018 14:05

Tot Ion:	113	Resp:	132373
Ion Ratio	Lower	Upper	
113	100		
111	109.9	82.1	123.1
192	16.6	13.0	19.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#36

1,1-Dichloropropene

Concen: 49.01 ug/l

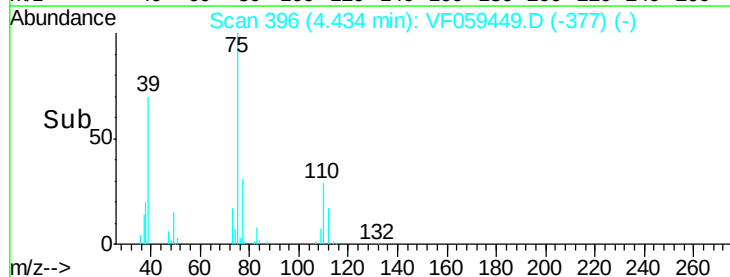
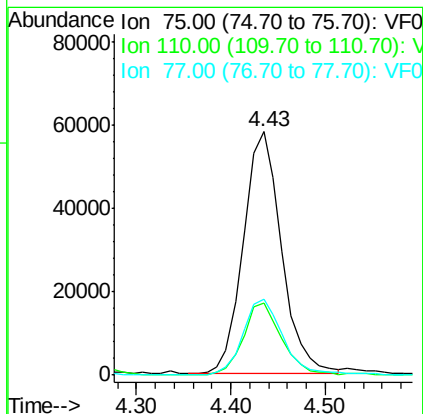
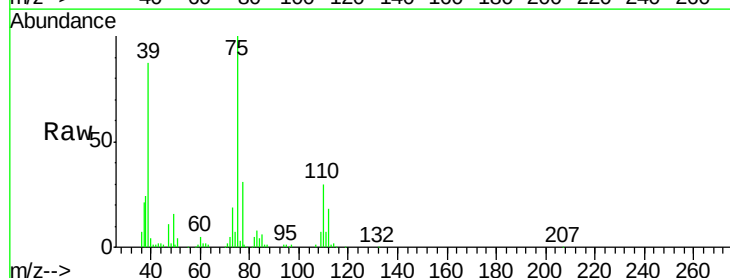
RT: 4.43 min Scan# 396

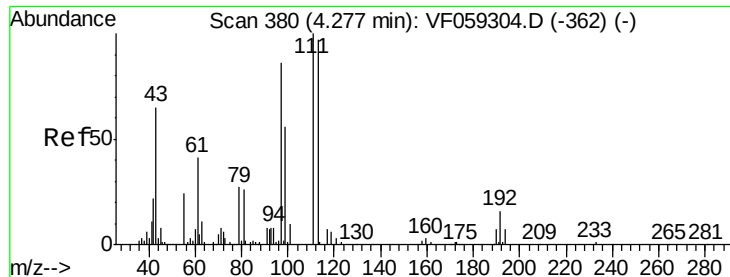
Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	75	Resp:	161470
Ion Ratio	Lower	Upper	
75	100		
110	29.6	14.8	44.4
77	31.0	25.2	37.8





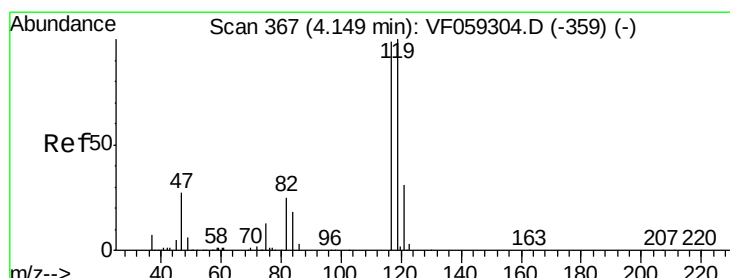
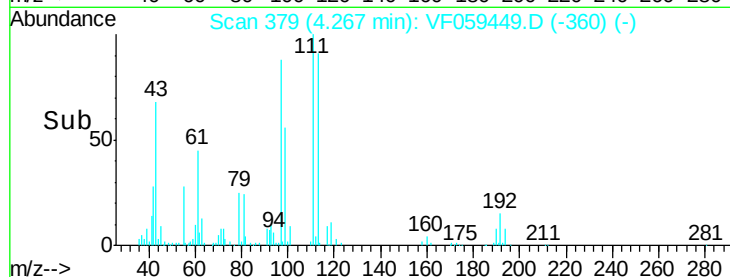
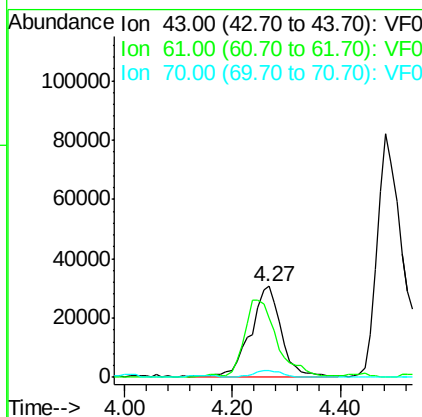
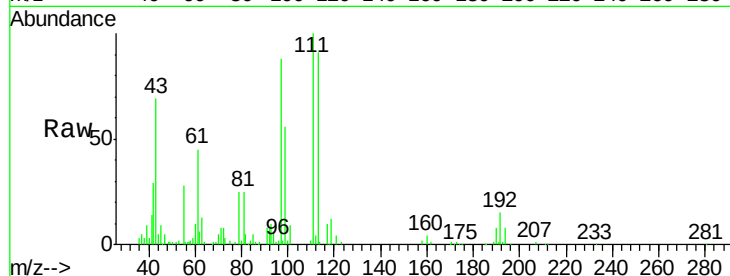
#37
Ethyl Acetate
Concen: 55.99 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
117639	100	65.9	7.6			
		50.1	6.2			
			9.4			

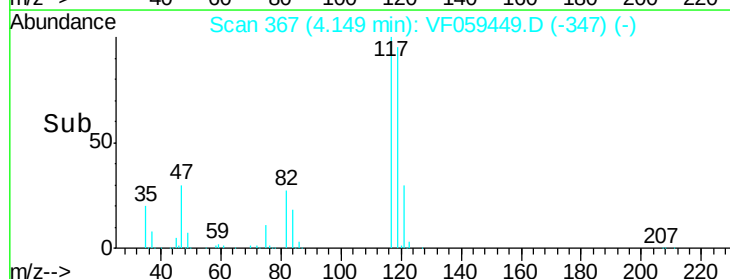
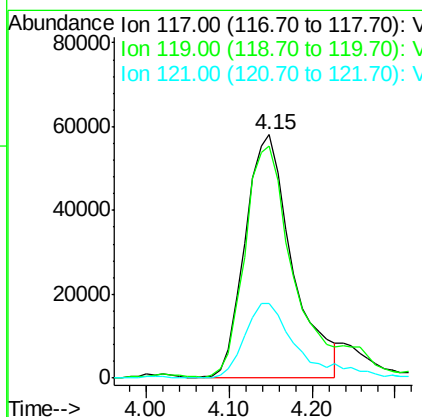
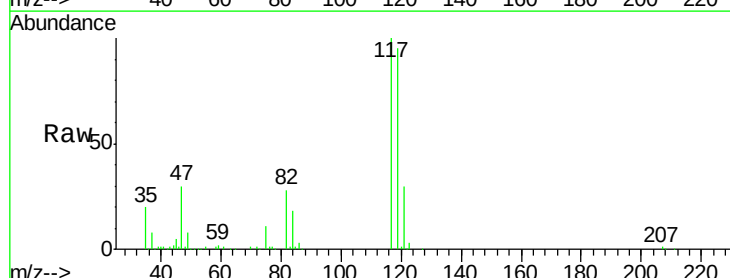
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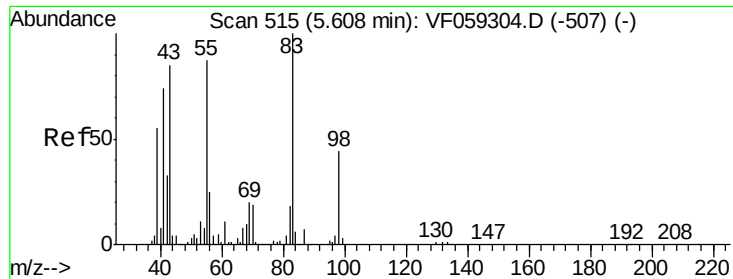
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#38
Carbon Tetrachloride
Concen: 55.61 ug/l m
RT: 4.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	117	119	121	Ratio	Lower	Upper
231247	100	95.3	30.1			
		81.0	24.7			
			37.1			





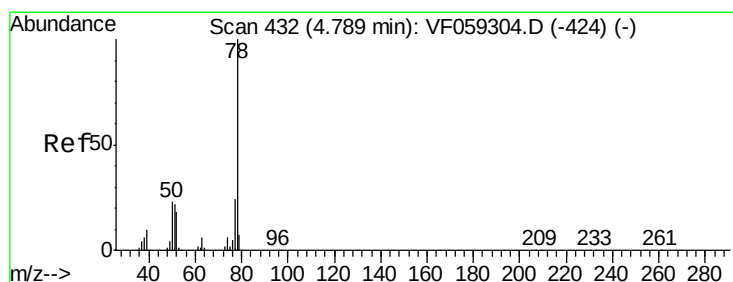
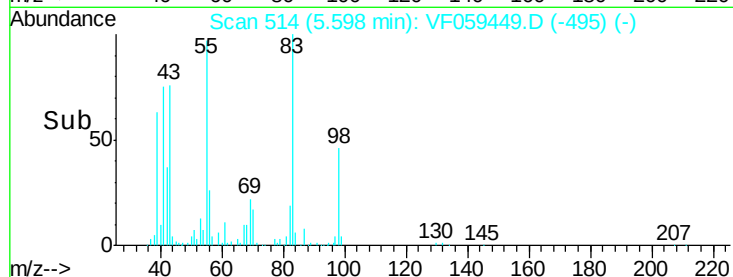
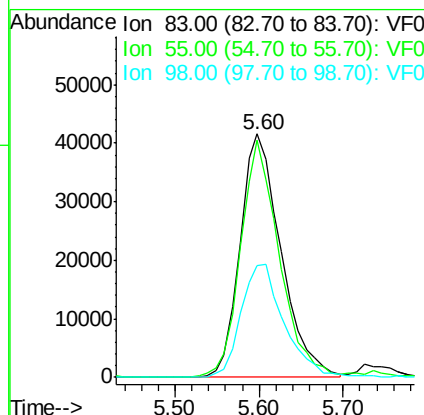
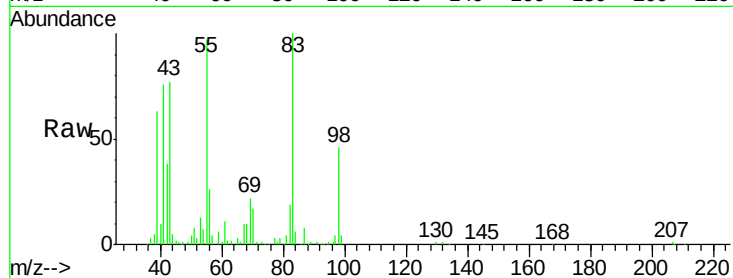
#39
Methylvlcyclohexane
Concen: 48.39 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.4	69.2	103.8
98	45.7	35.0	52.6

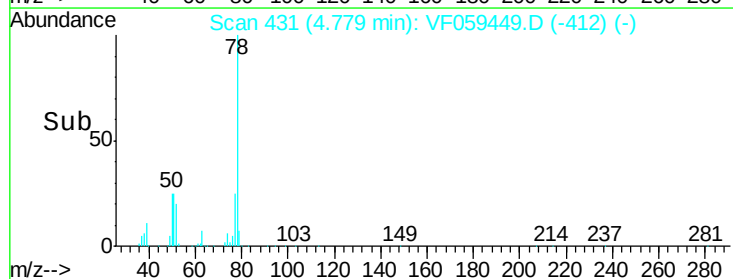
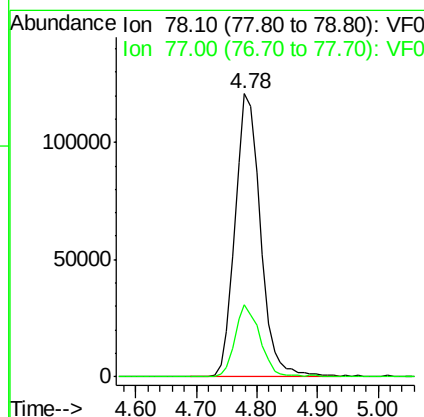
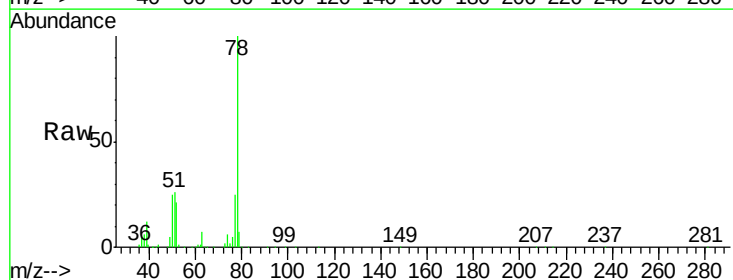
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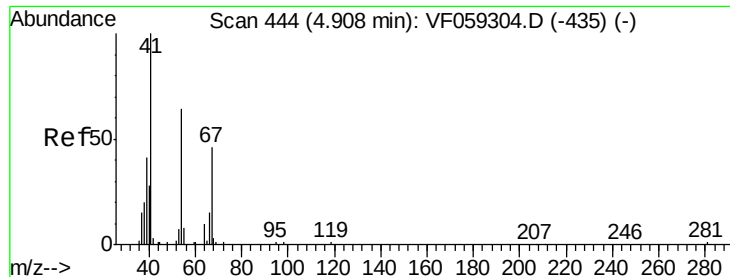
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#40
Benzene
Concen: 48.52 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.6	29.4





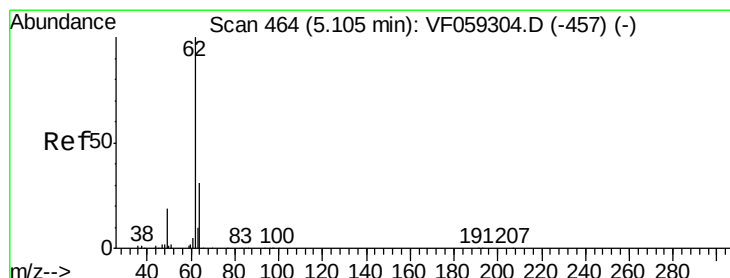
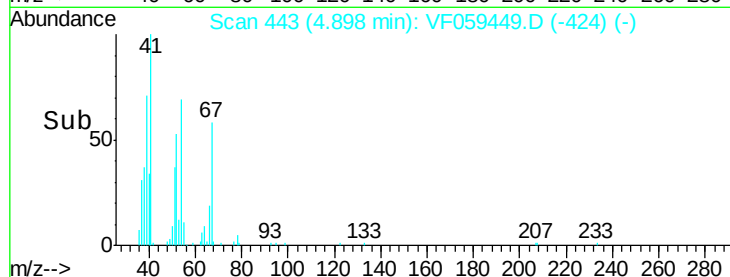
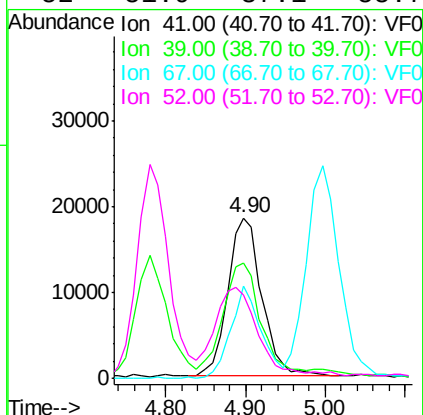
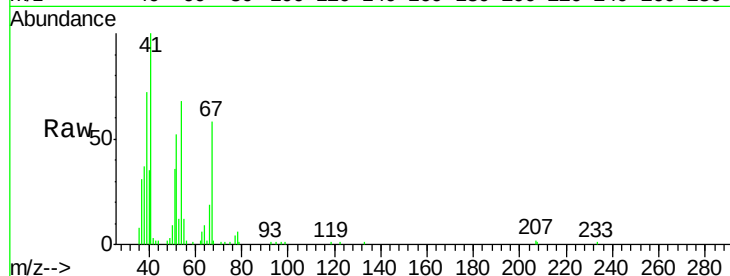
#41
Methacrylonitrile
Concen: 48.43 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	71.8	50.0	75.0	
67	57.6	37.0	55.6	
52	51.9	37.1	55.7	

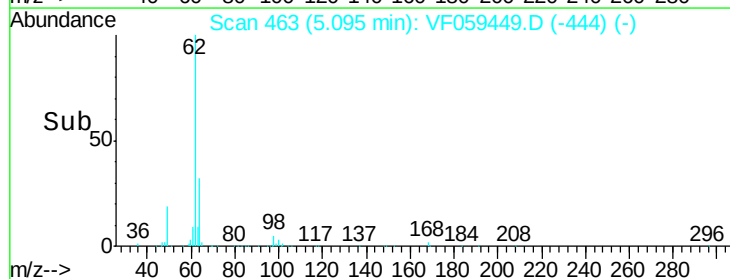
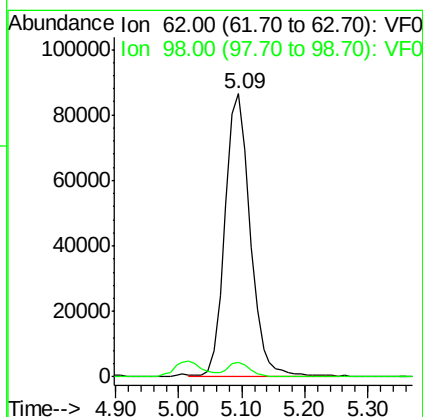
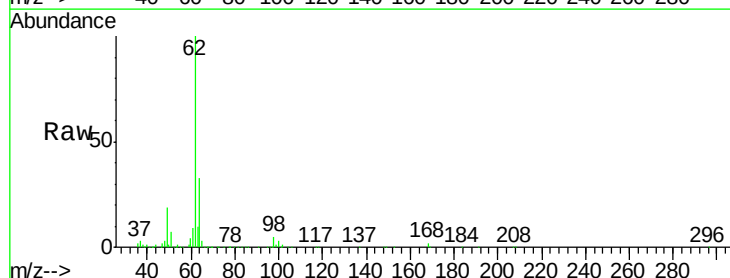
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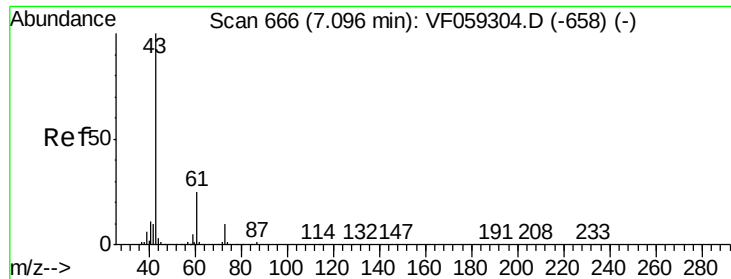
apatel
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#42
1,2-Dichloroethane
Concen: 55.81 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.0	0.0	11.4	





#43

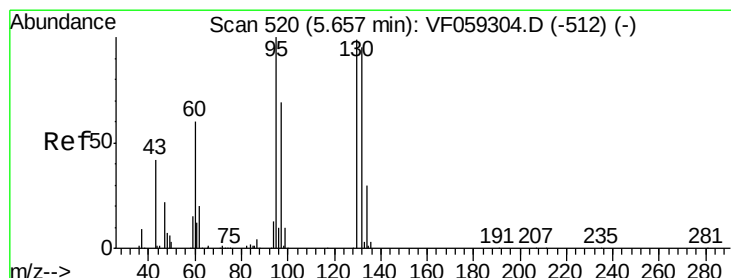
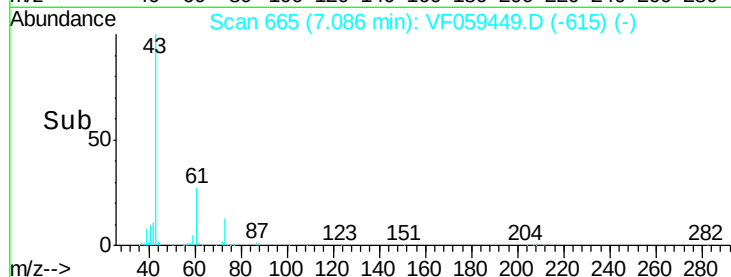
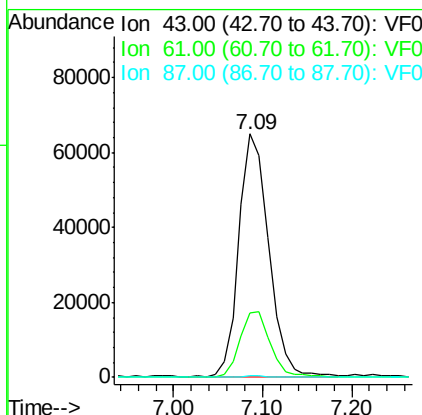
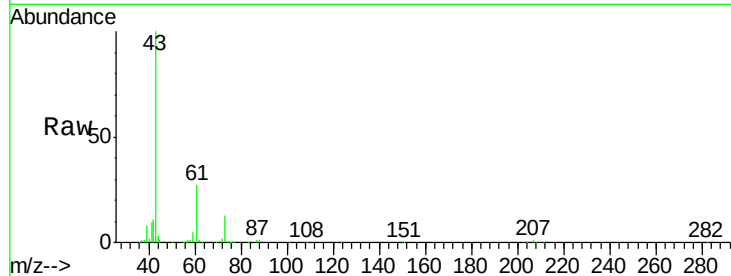
Isopropyl Acetate
 Concen: 55.07 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	19.7	29.5
87	0.5	0.5	0.7

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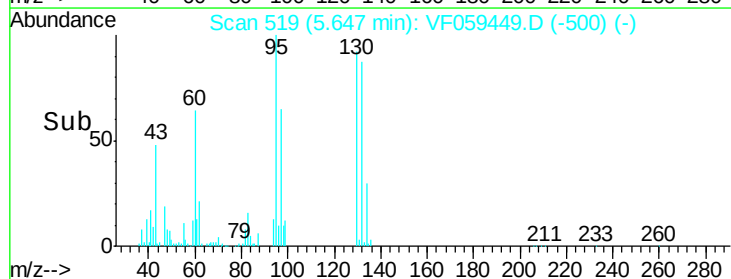
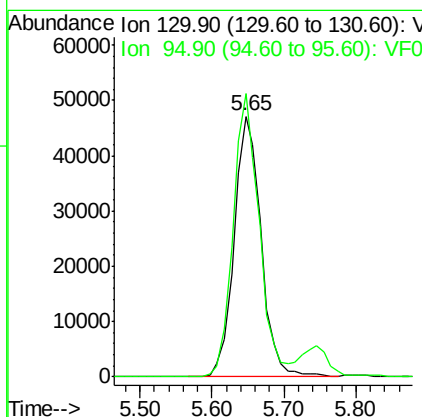
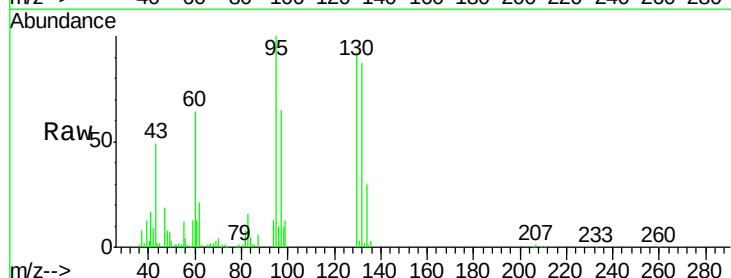
apatel
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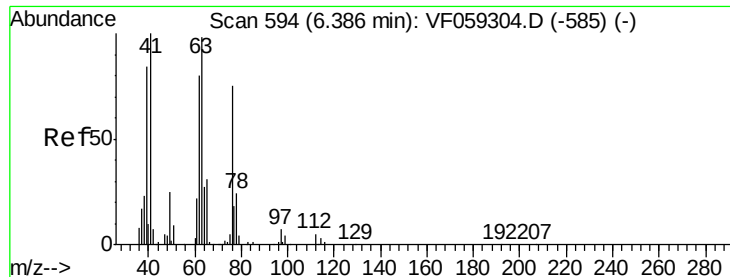


#44

Trichloroethene
 Concen: 49.01 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	202.4





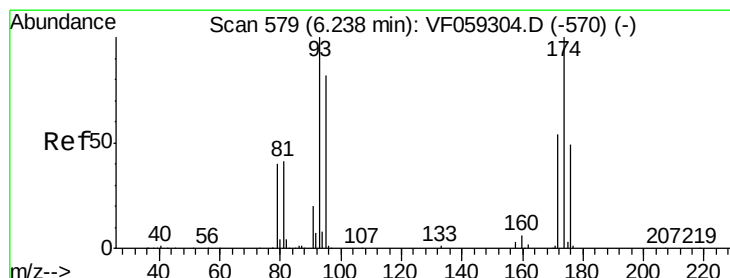
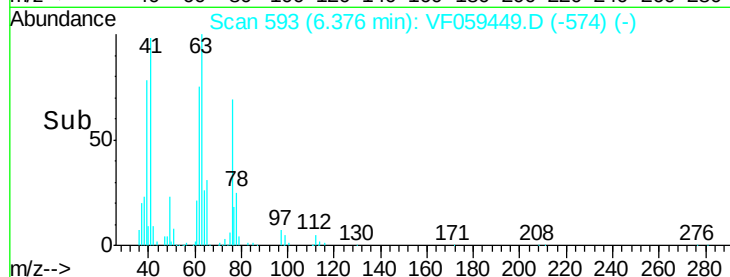
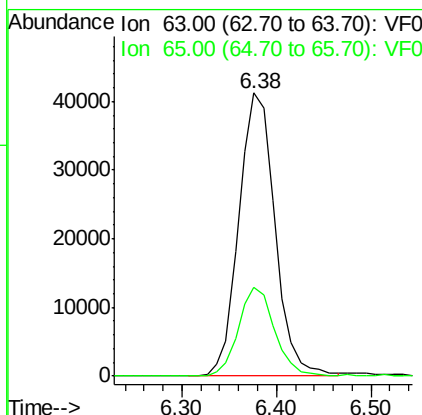
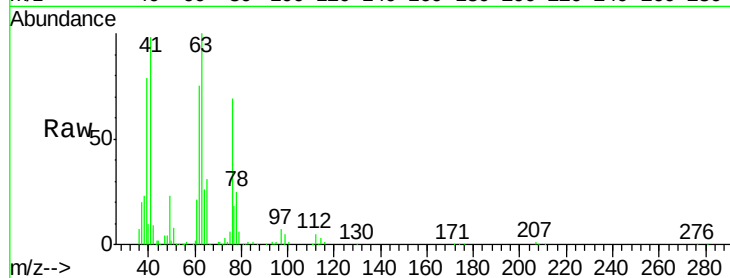
#45
 1,2-Dichloropropane
 Concen: 52.42 ug/l
 RT: 6.38 min Scan# 593
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.3	37.9

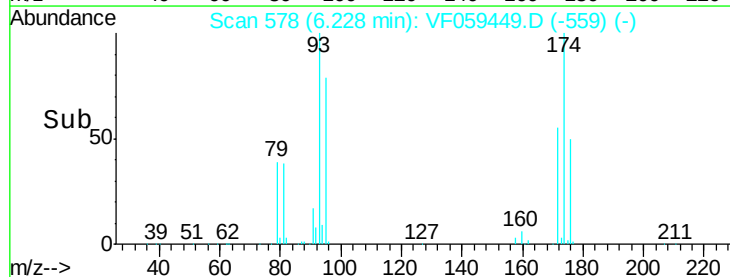
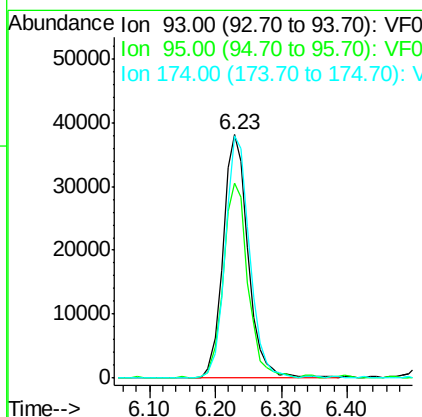
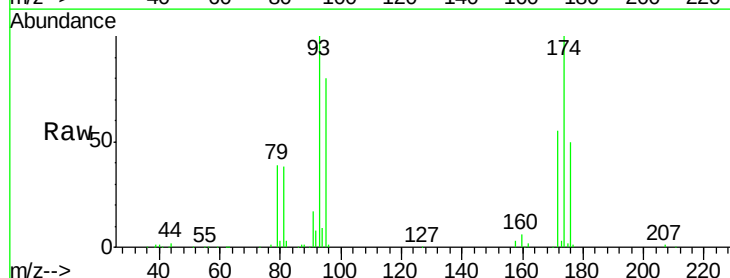
Manual Integrations
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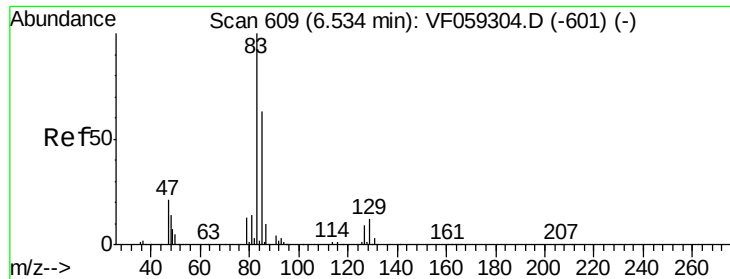
apatel
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#46
 Dibromomethane
 Concen: 55.88 ug/l
 RT: 6.23 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.1	65.6	98.4
174	99.6	80.0	120.0





#47

Bromodichloromethane

Concen: 55.79 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

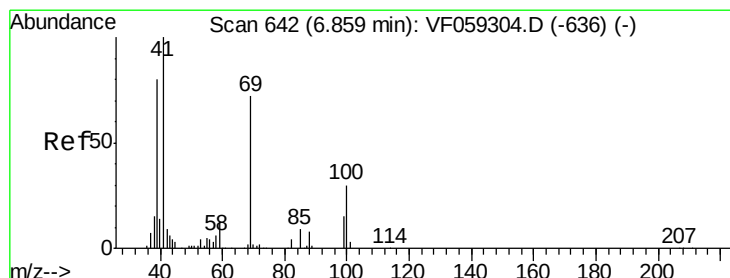
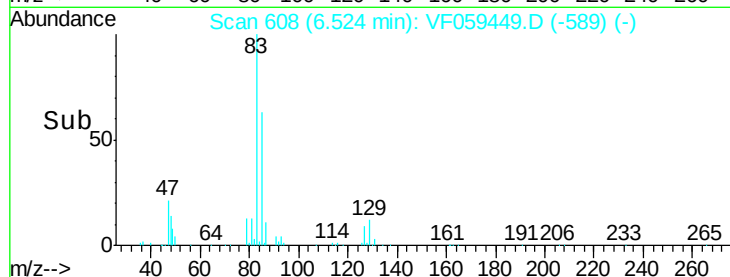
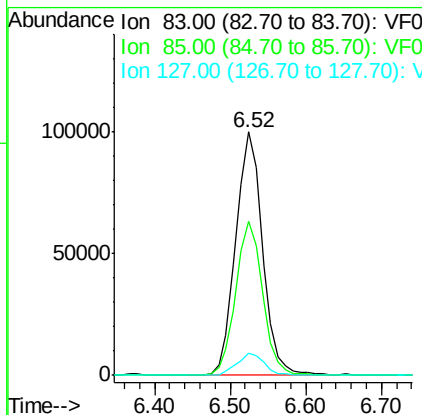
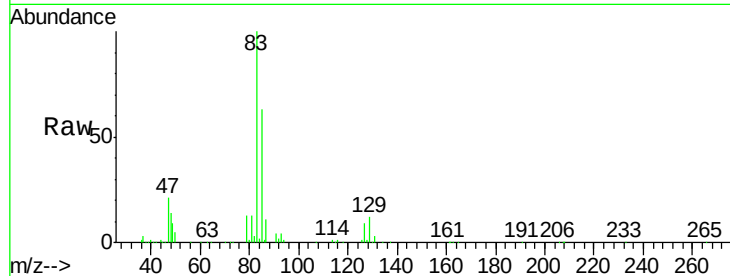
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	244667
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.2	75.2
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.29 ug/l

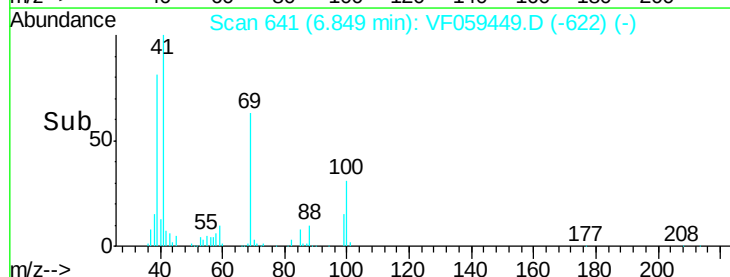
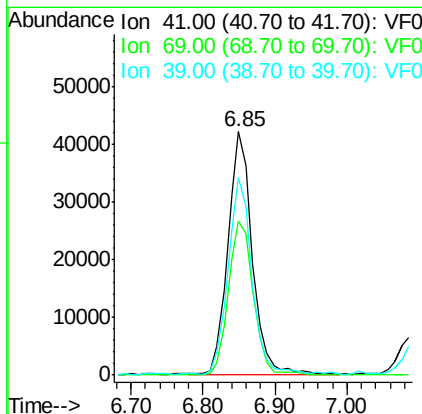
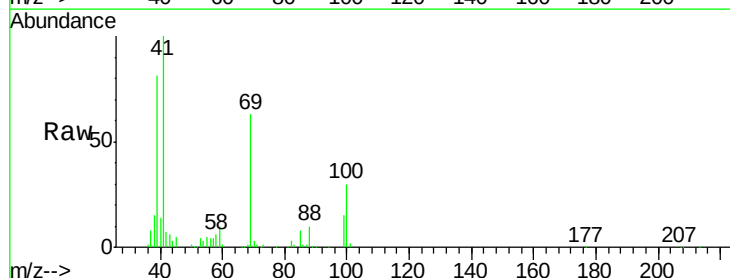
RT: 6.85 min Scan# 641

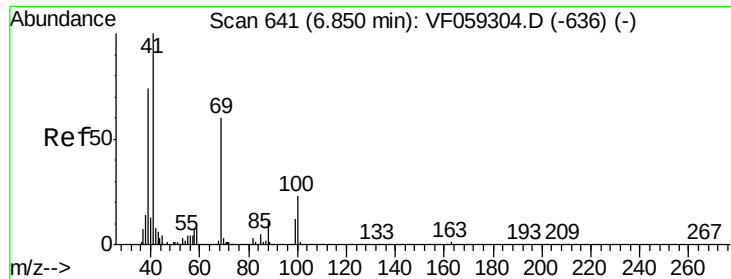
Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	41	Resp:	98020
Ion	Ratio	Lower	Upper
41	100		
69	63.3	57.3	85.9
39	81.1	64.4	96.6





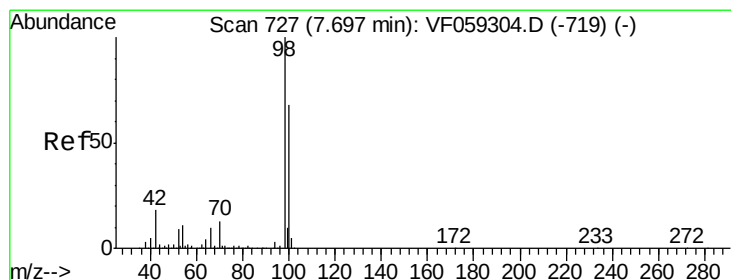
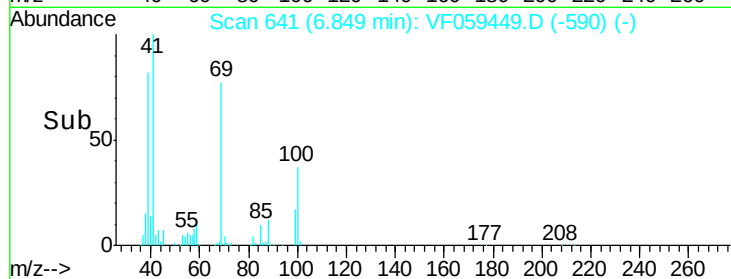
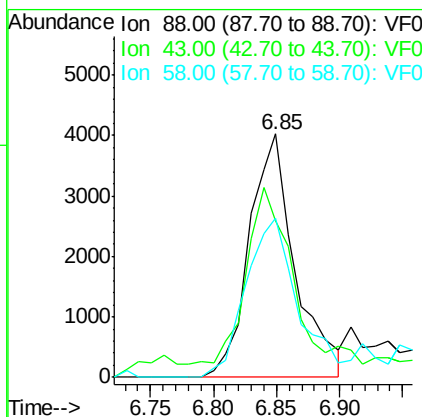
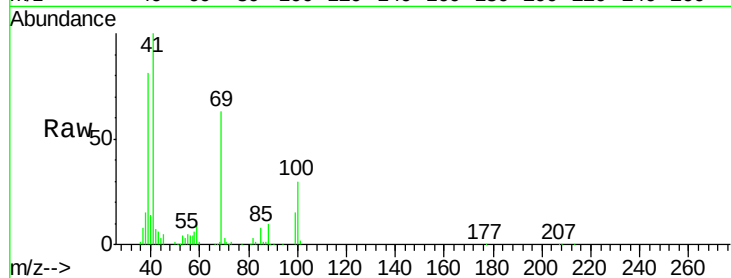
#49
1,4-Dioxane
Concen: 1036.98 ug/l
RT: 6.85 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	64.2	50.6	75.8
58	65.1	46.6	69.8

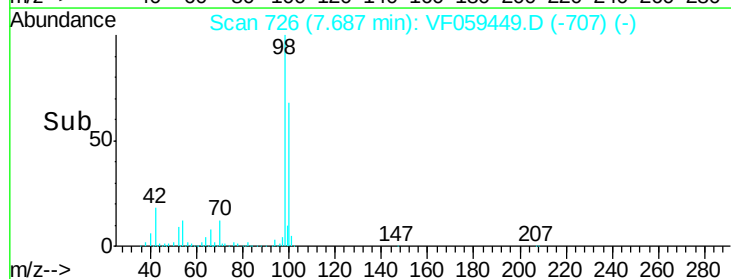
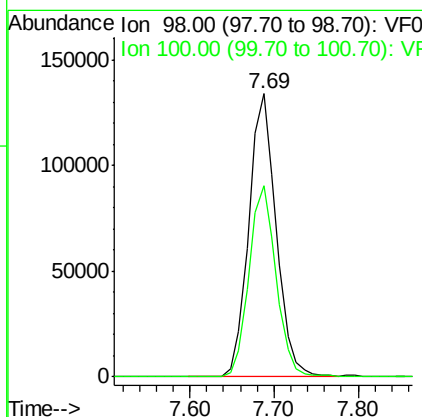
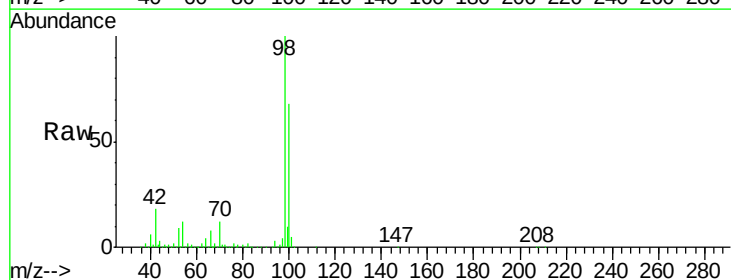
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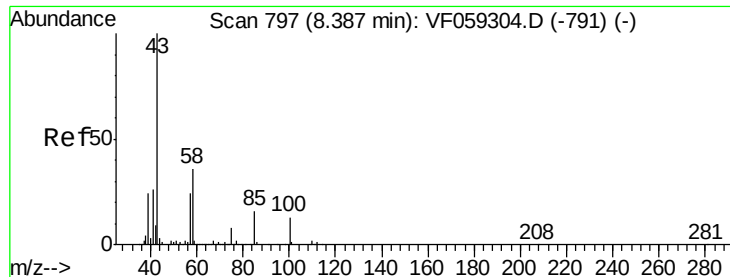
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#50
Toluene-d8
Concen: 44.83 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 271.72 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 552484

Ion Ratio Lower Upper

43 100

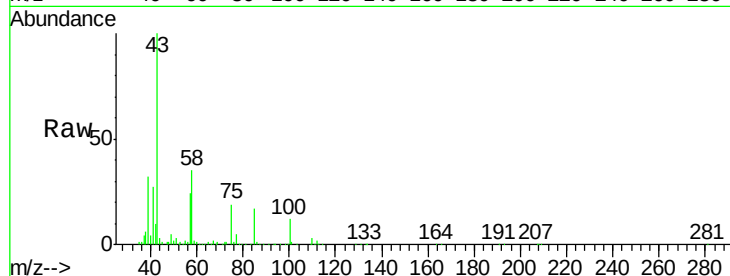
58 34.6 28.4 42.6

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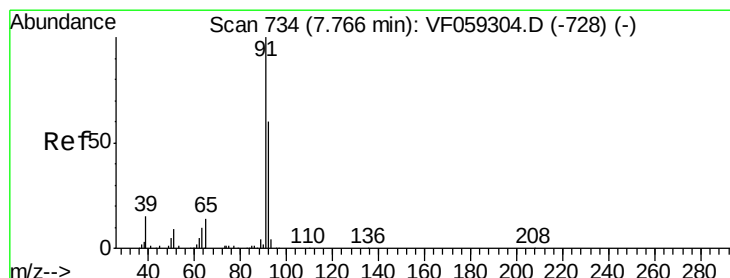
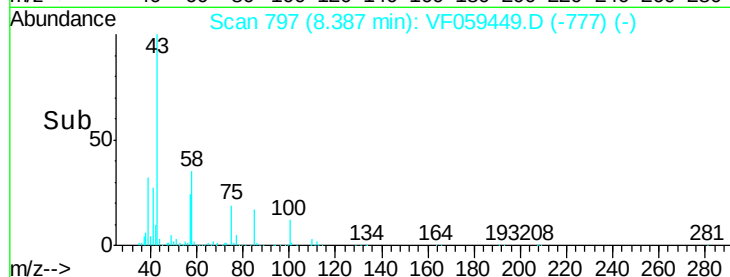
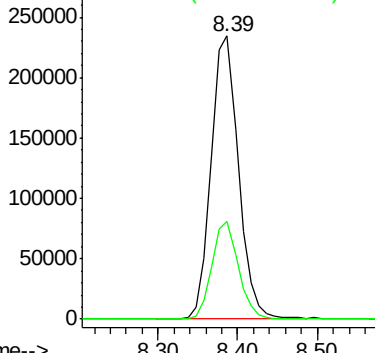
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.91 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059449.D

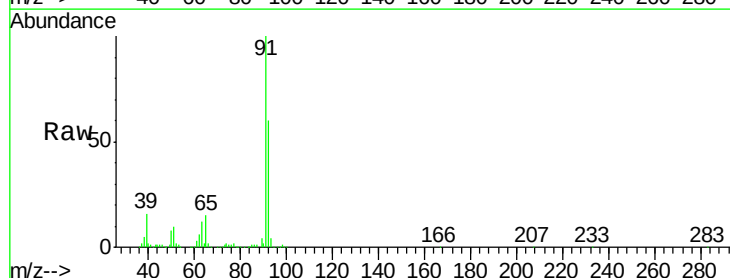
Acq: 6 Jul 2018 14:05

Tgt Ion: 92 Resp: 272841

Ion Ratio Lower Upper

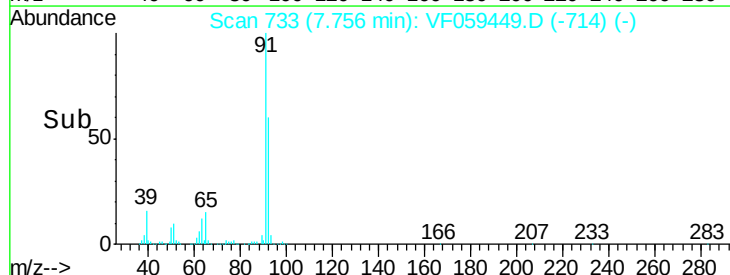
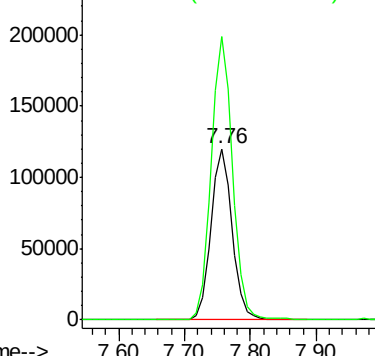
92 100

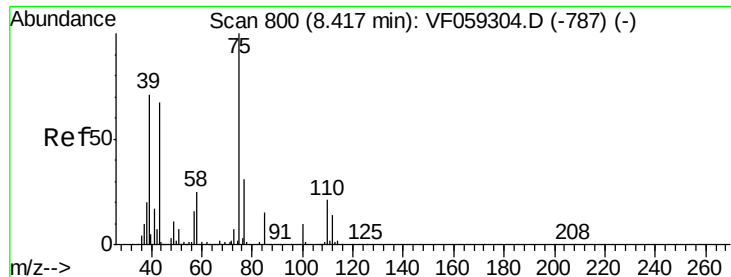
91 165.4 132.8 199.2



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: 51.54 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 206014

Ion Ratio Lower Upper

75 100

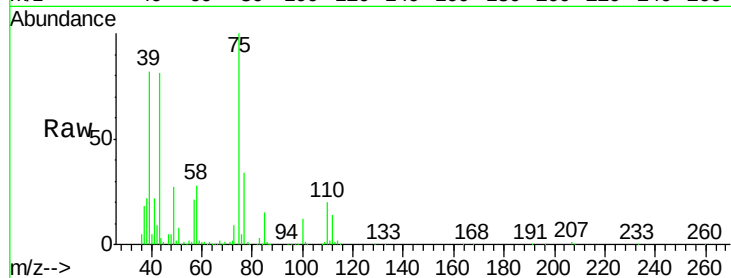
77 33.9 25.3 37.9

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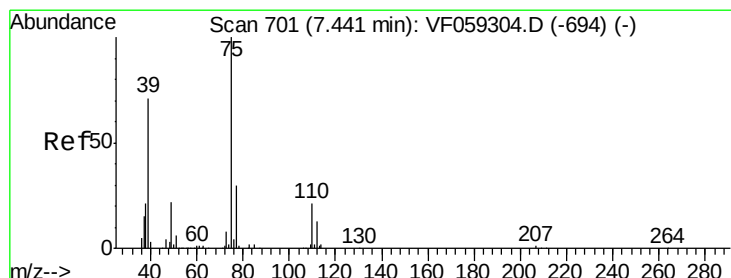
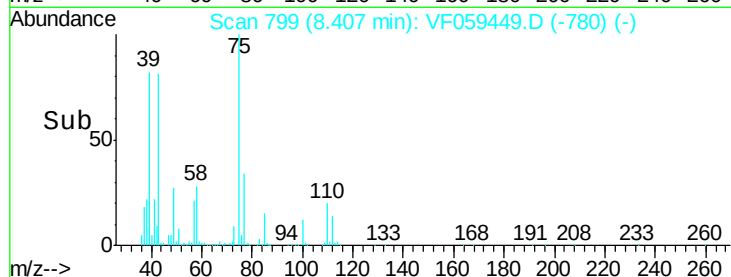
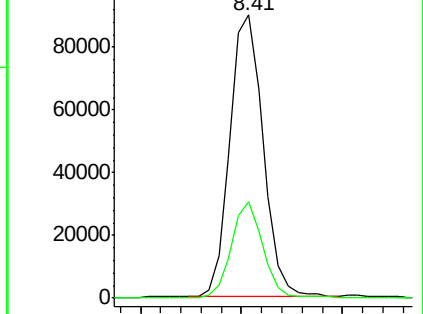
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 54.12 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

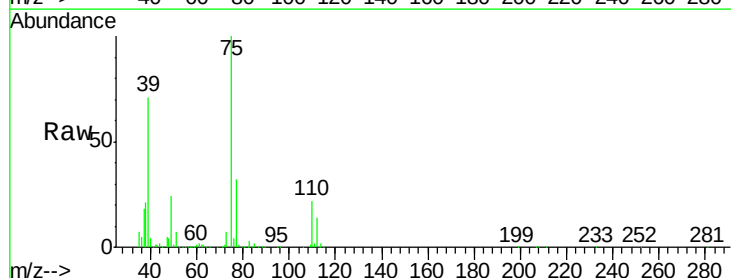
Tgt Ion: 75 Resp: 234990

Ion Ratio Lower Upper

75 100

77 32.0 24.3 36.5

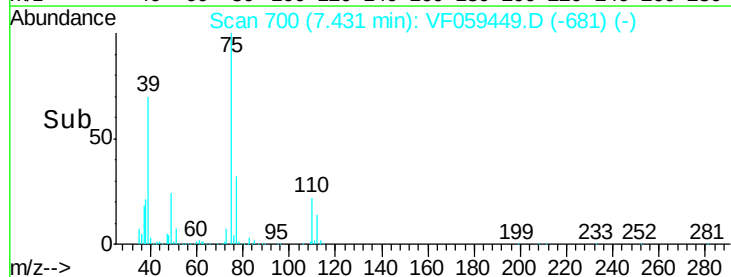
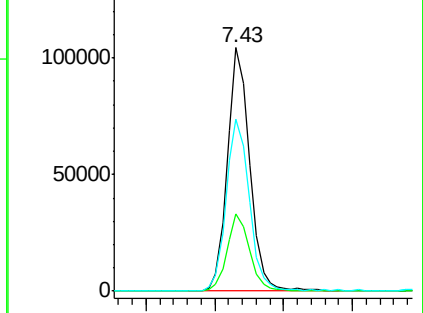
39 70.6 57.2 85.8

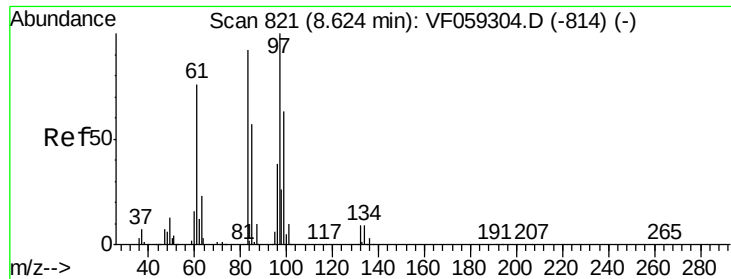


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 55.17 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

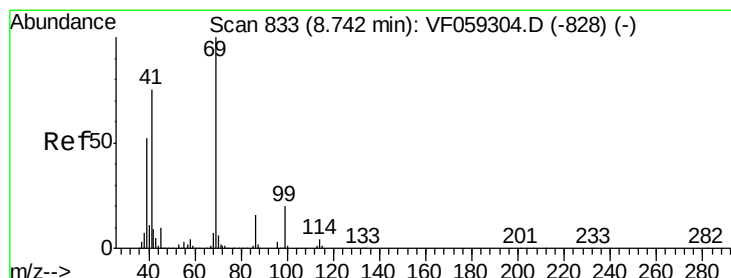
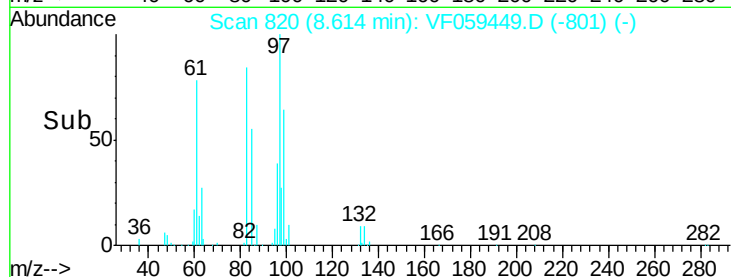
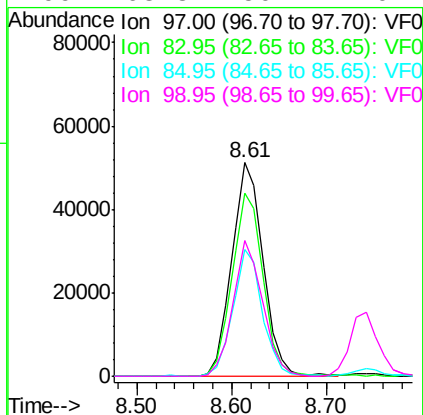
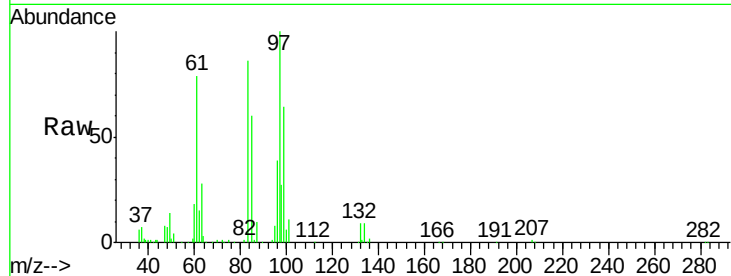
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	117101
Ion	Ratio	Lower	Upper
97	100		
83	85.6	73.8	110.8
85	59.5	45.5	68.3
99	63.8	50.7	76.1

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#56

Ethyl methacrylate

Concen: 53.32 ug/l

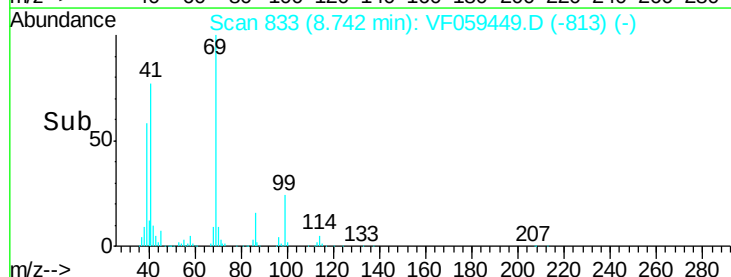
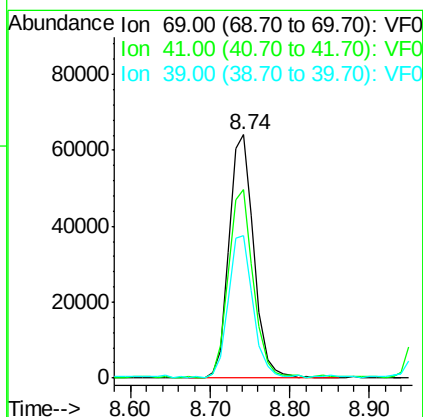
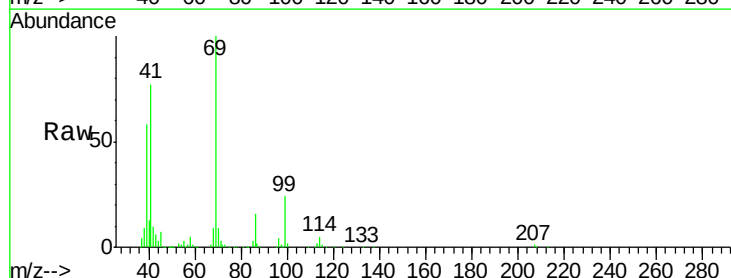
RT: 8.74 min Scan# 833

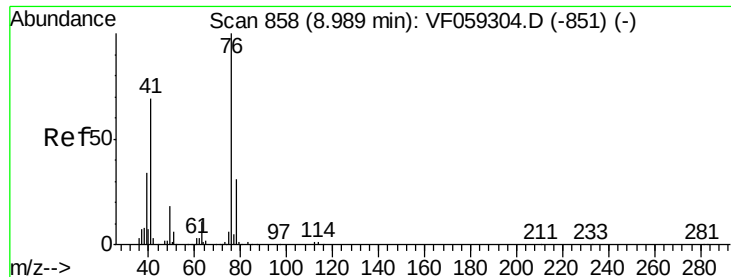
Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	69	Resp:	140187
Ion	Ratio	Lower	Upper
69	100		
41	77.5	60.3	90.5
39	58.3	42.2	63.4





#57

1,3-Dichloropropane

Concen: 52.04 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 189421

Ion Ratio Lower Upper

76 100

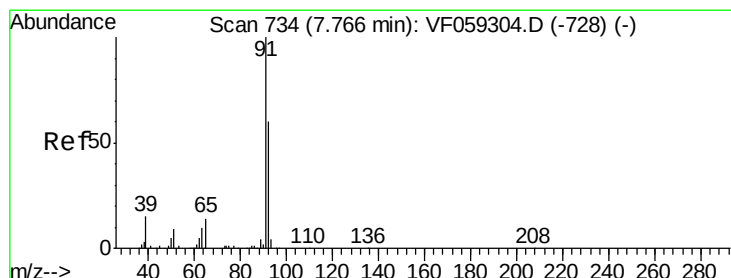
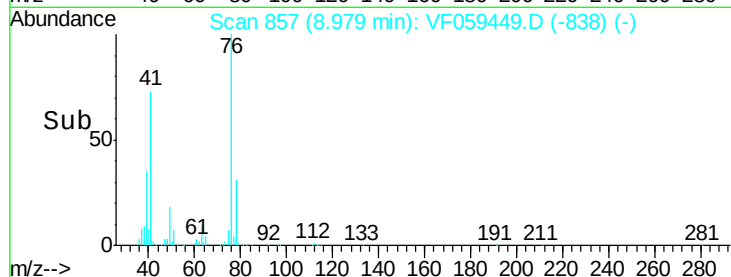
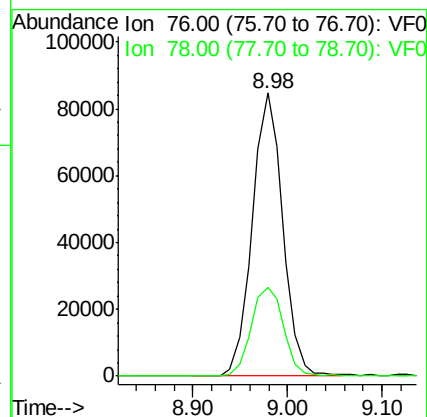
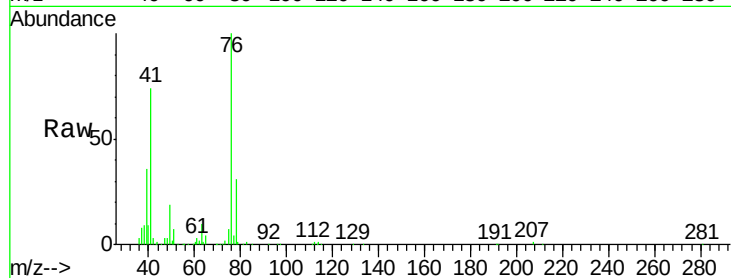
78 31.4 24.9 37.3

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#58

2-Chloroethyl Vinyl ether

Concen: 267.66 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059449.D

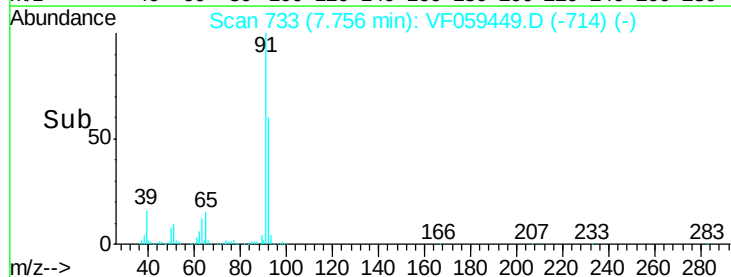
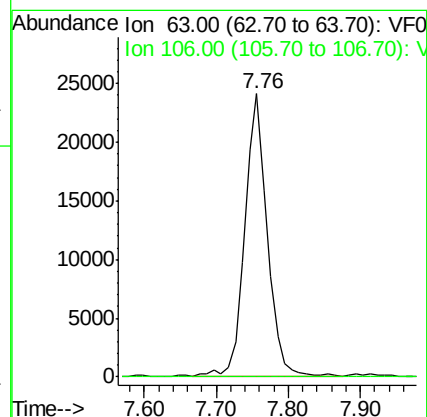
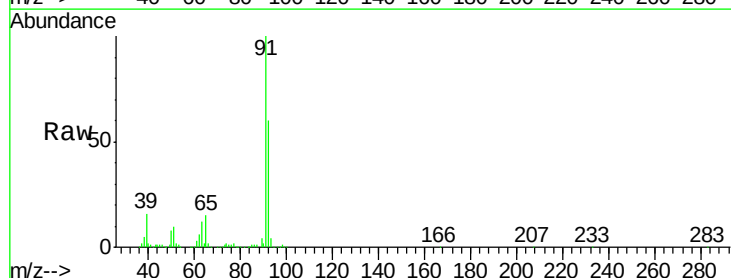
Acq: 6 Jul 2018 14:05

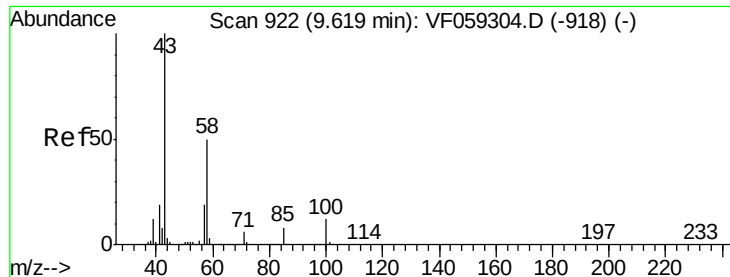
Tgt Ion: 63 Resp: 52782

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





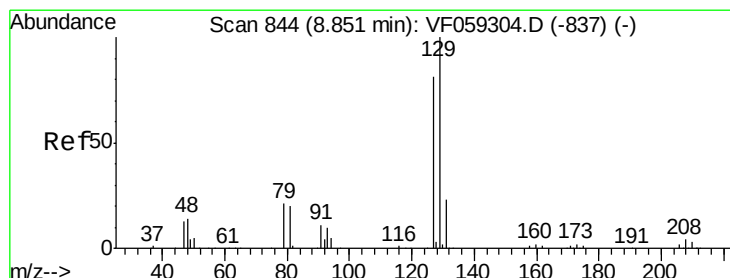
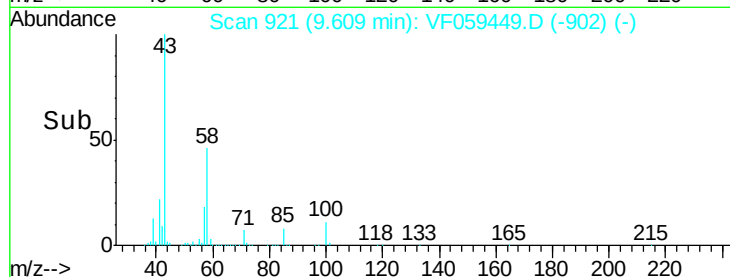
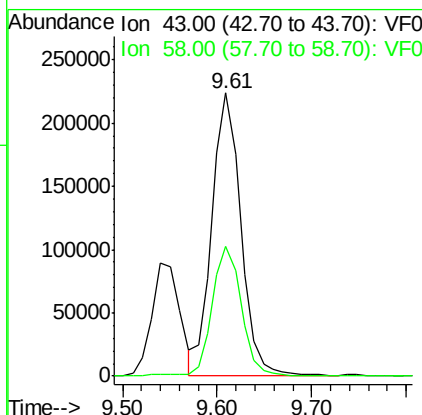
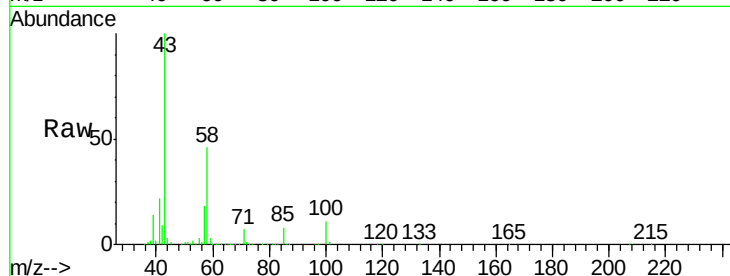
#59
2-Hexanone
Concen: 315.86 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 475687
Ion Ratio Lower Upper
43 100
58 45.7 23.3 69.9

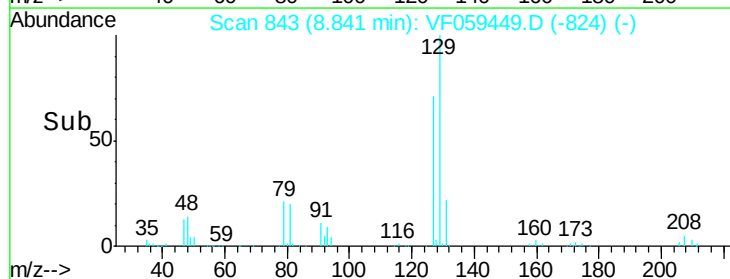
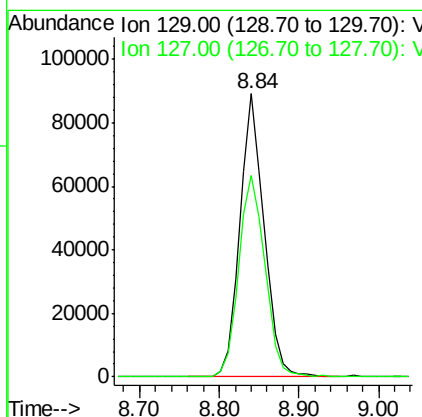
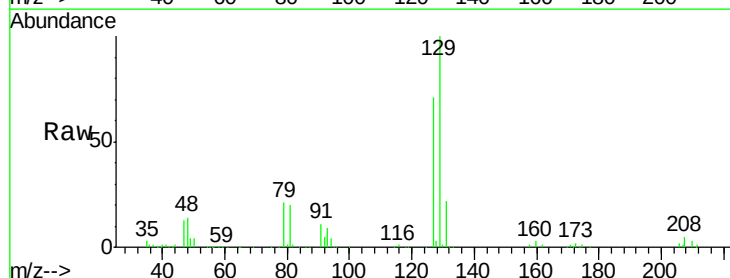
Manual Integrations
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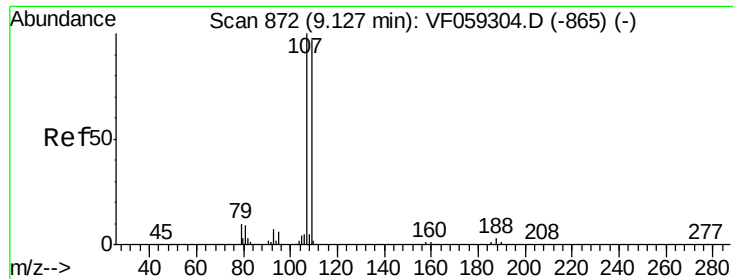
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#60
Dibromochloromethane
Concen: 57.28 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion: 129 Resp: 187693
Ion Ratio Lower Upper
129 100
127 71.3 40.7 122.1





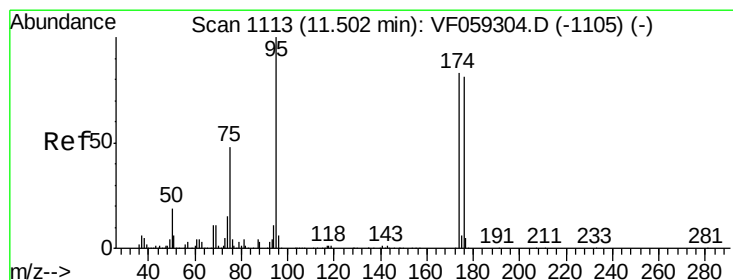
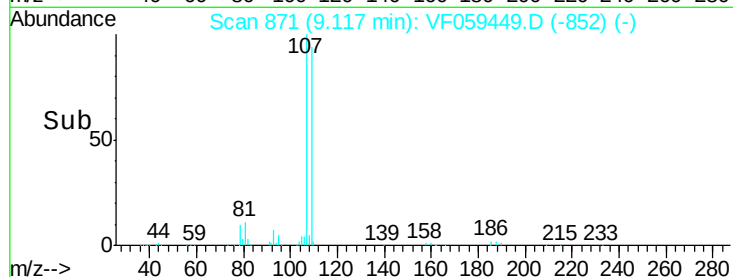
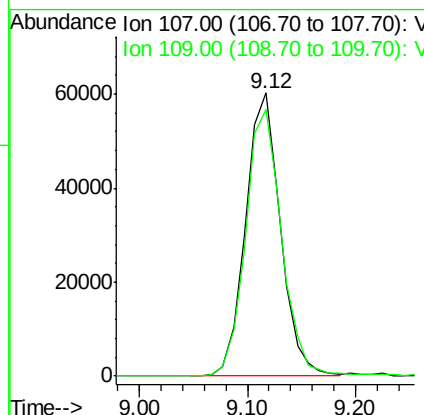
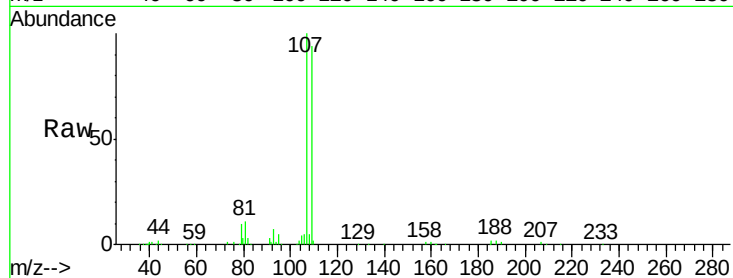
#61
 1,2-Dibromoethane
 Concen: 52.29 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	77.3	115.9

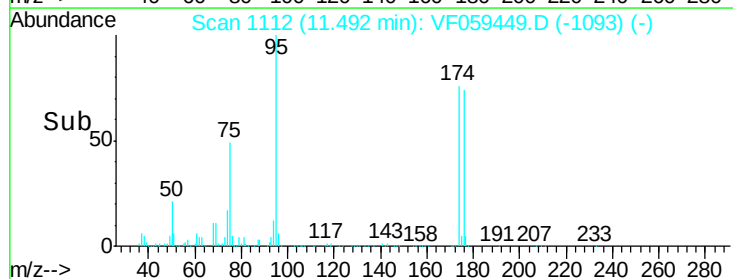
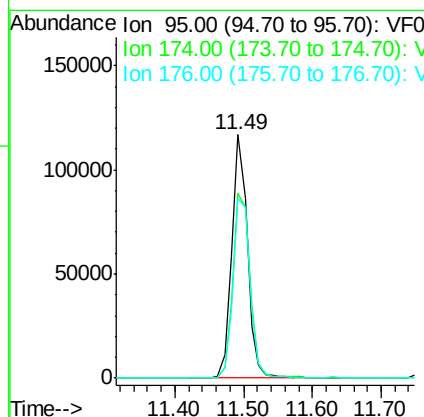
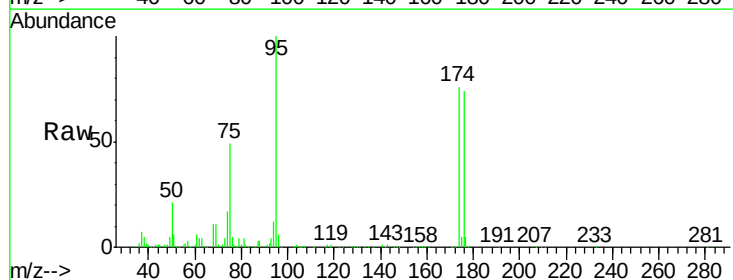
Manual Integrations
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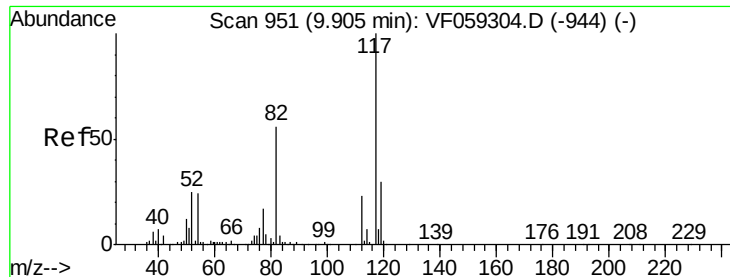
apatel
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#62
 4-Bromofluorobenzene
 Concen: 47.90 ug/l
 RT: 11.49 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	165.2
176	74.0	0.0	161.0





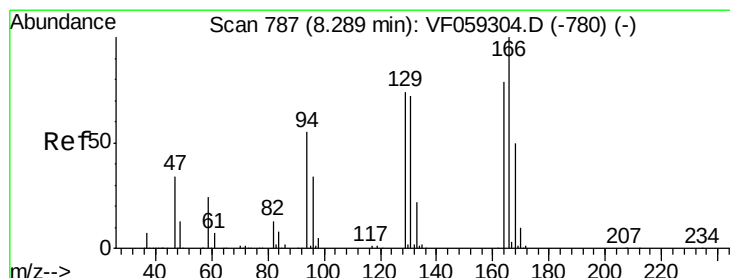
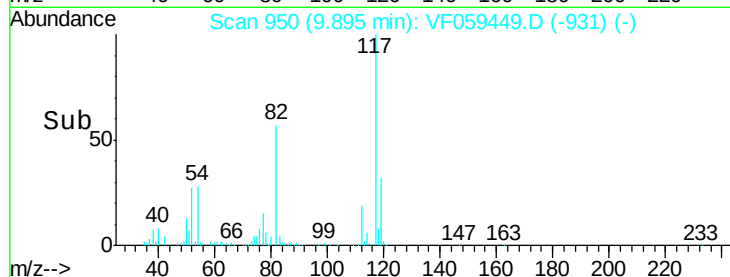
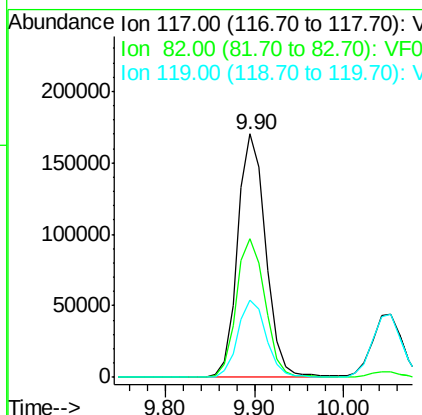
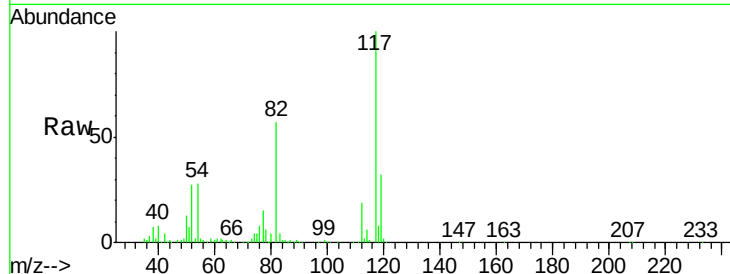
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	372950		
82	57.0		44.6	66.8
119	31.5		24.1	36.1

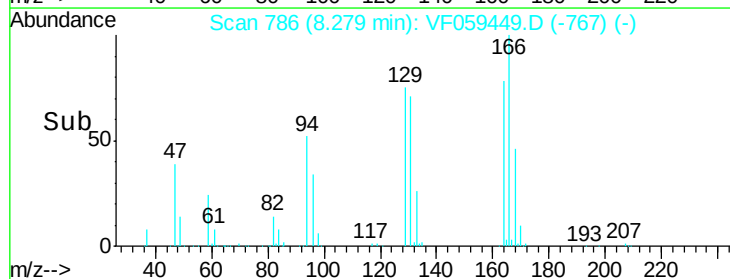
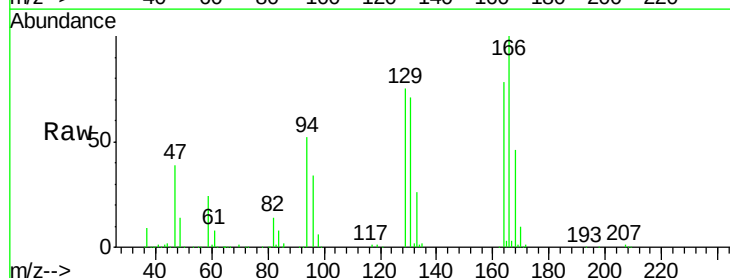
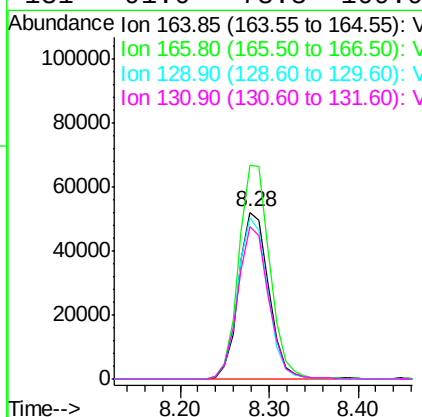
Manual Integrations
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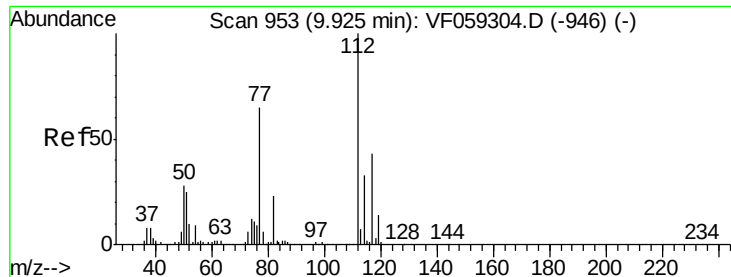
apatel
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#64
Tetrachloroethene
Concen: 50.69 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	122623		
166	128.0		101.1	151.7
129	96.6		75.0	112.4
131	91.0		73.3	109.9





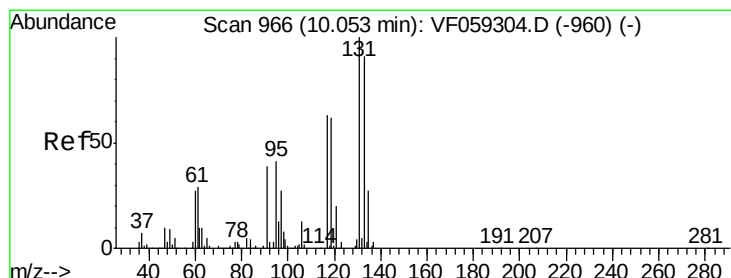
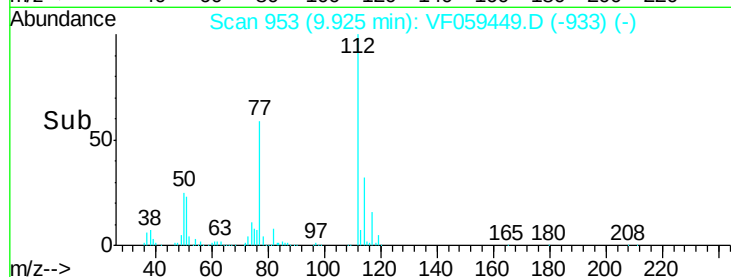
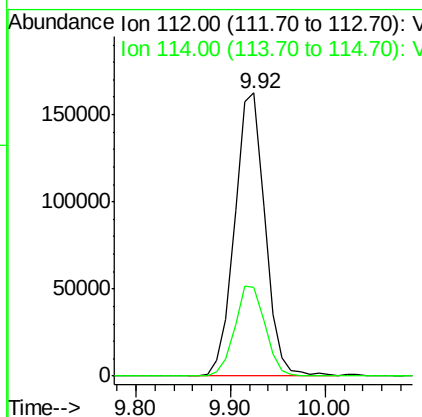
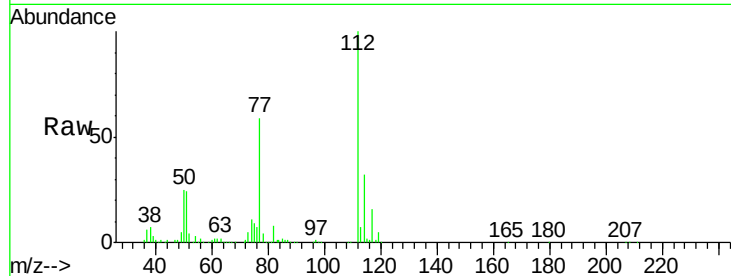
#65
Chlorobenzene
Concen: 52.29 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.5	39.7

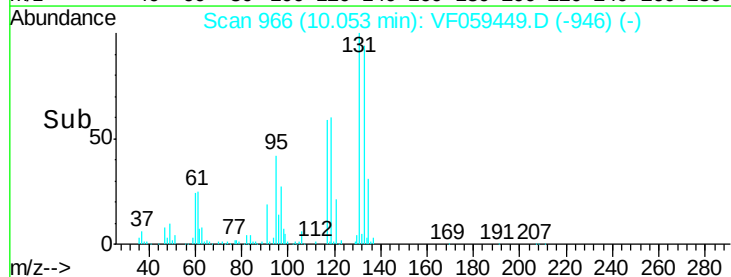
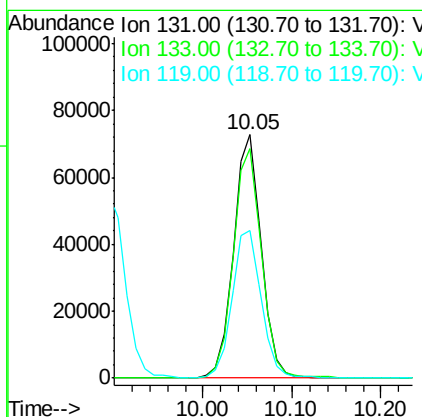
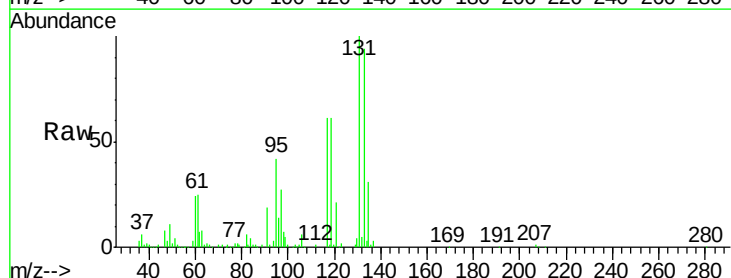
Manual Integrations
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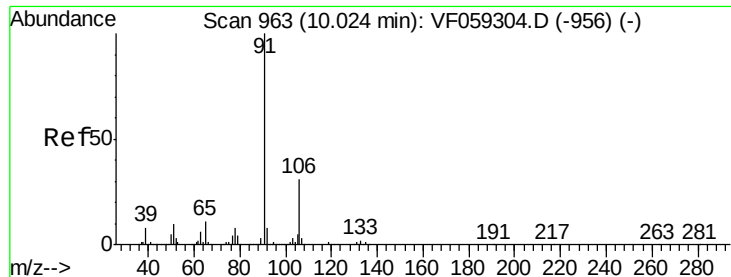
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.69 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	45.3	135.9
119	60.8	31.3	93.9





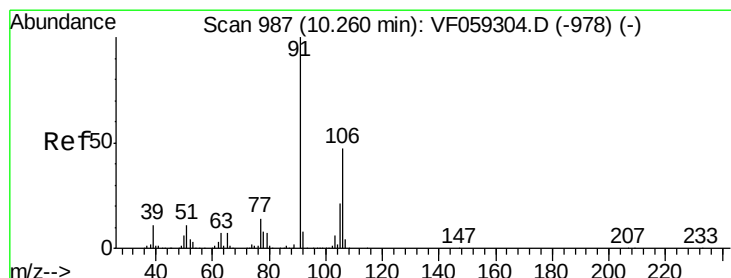
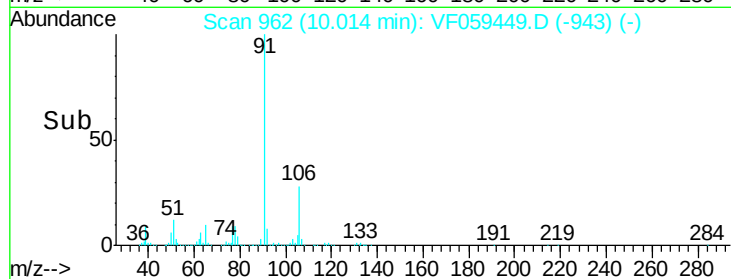
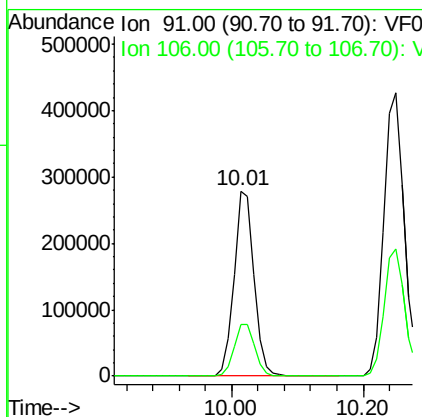
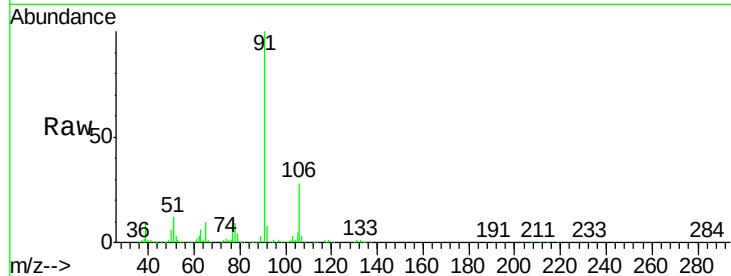
#67
Ethyl Benzene
Concen: 50.78 ug/l
RT: 10.01 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 595328
Ion Ratio Lower Upper
91 100
106 28.1 24.8 37.2

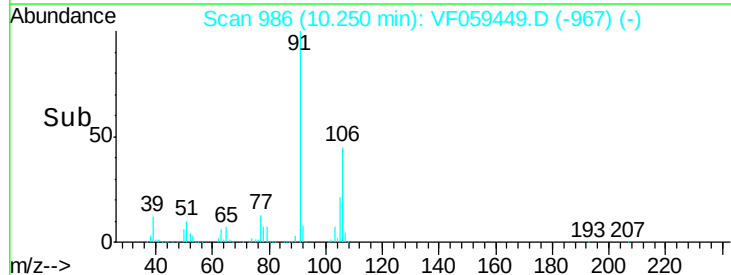
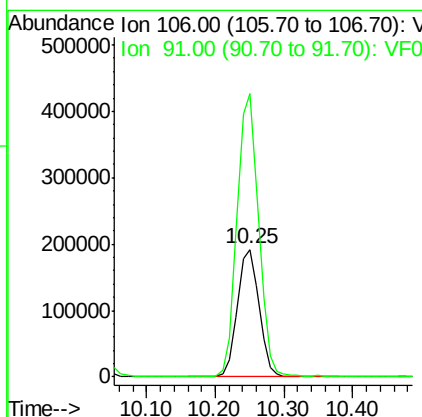
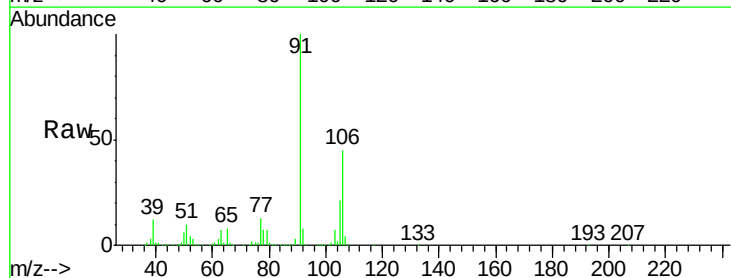
Manual Integrations
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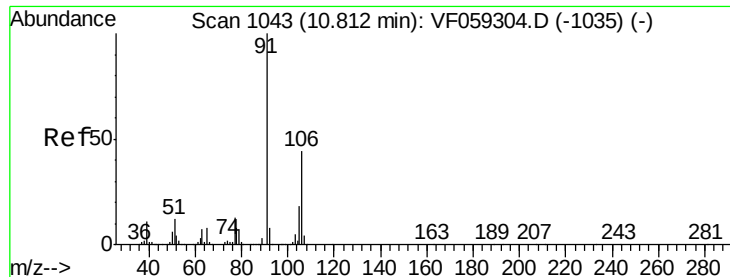
apatel
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#68
m/p-Xylenes
Concen: 100.32 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion: 106 Resp: 418599
Ion Ratio Lower Upper
106 100
91 222.4 170.8 256.2





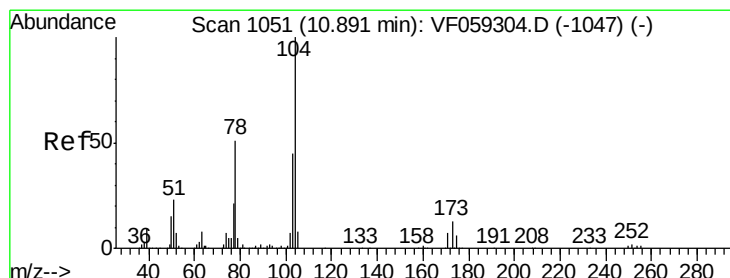
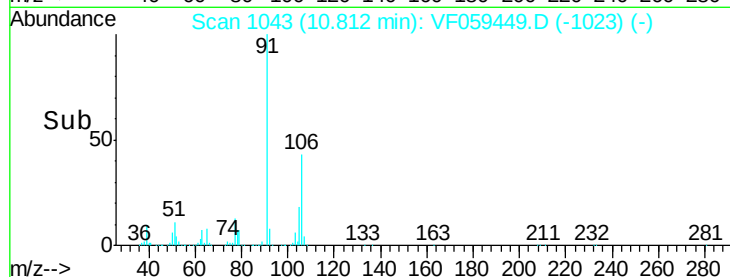
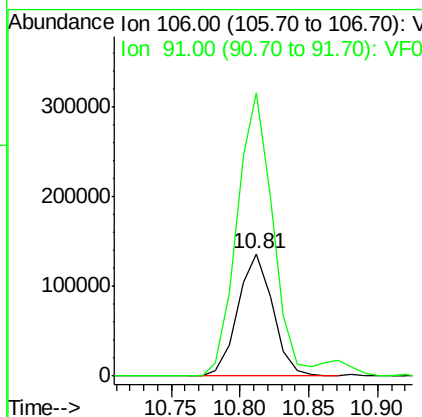
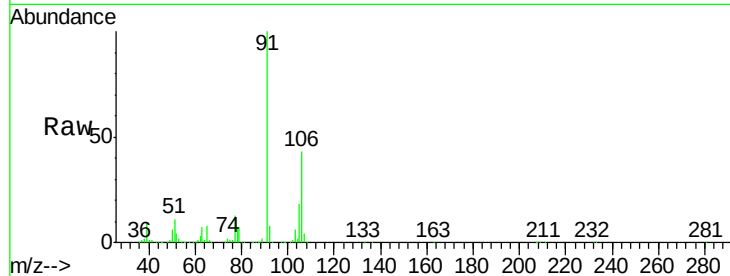
#69
o-Xylene
Concen: 52.14 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	231.0	114.6	343.6

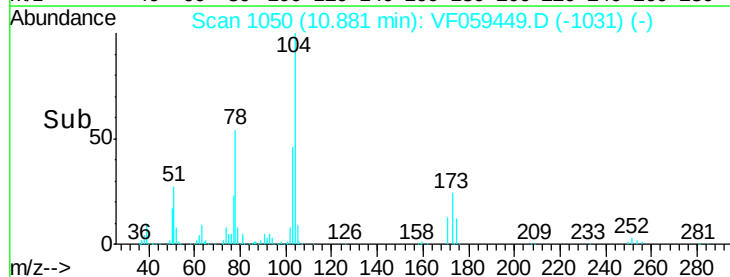
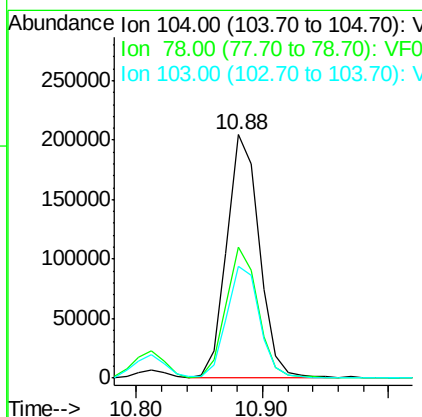
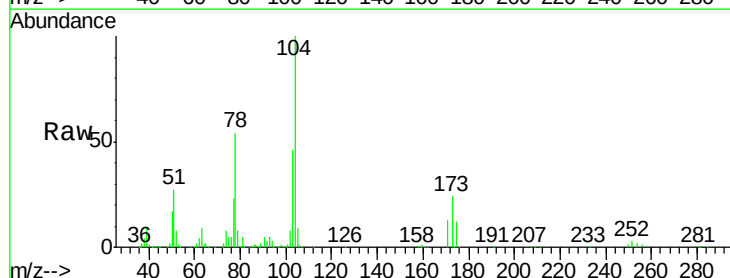
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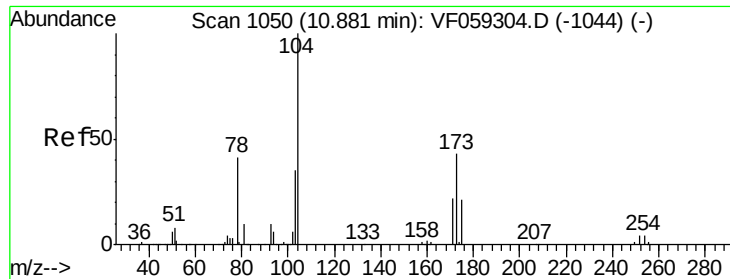
apatel
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#70
Styrene
Concen: 51.08 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.7	40.9	61.3
103	46.1	36.5	54.7





#71

Bromoform

Concen: 58.24 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

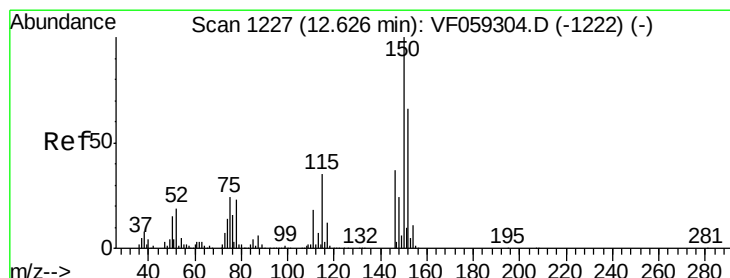
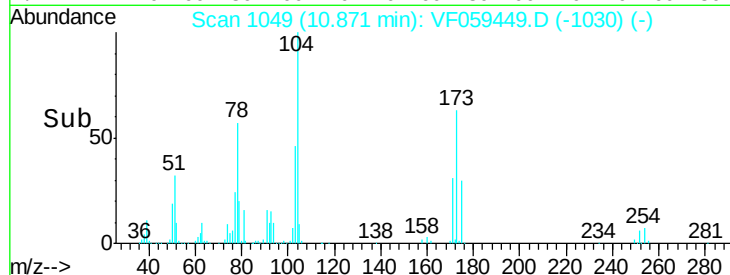
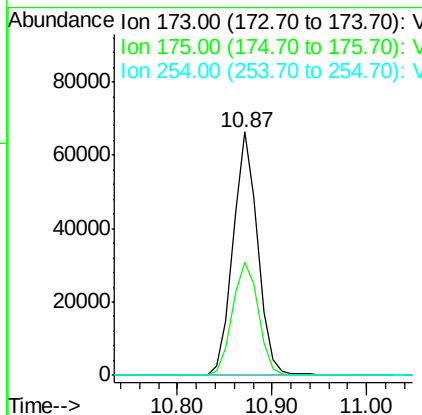
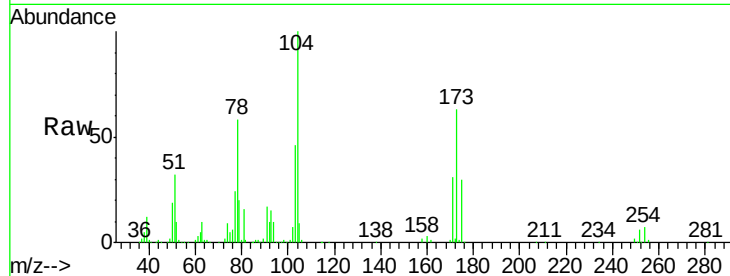
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	119317
Ion Ratio	Lower	Upper	
173	100		
175	46.6	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

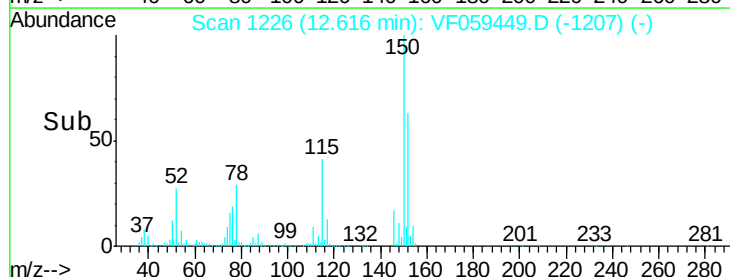
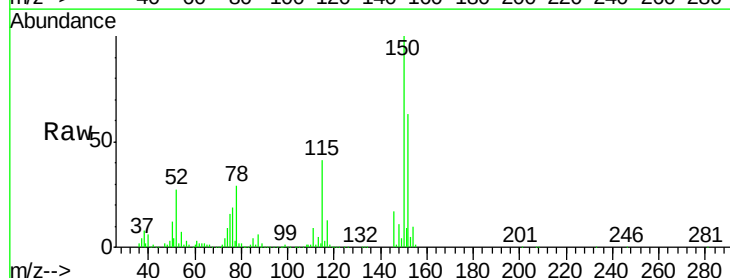
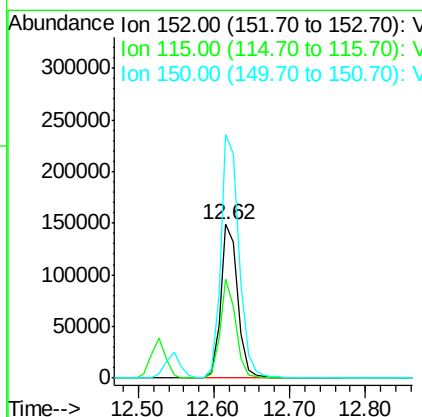
RT: 12.62 min Scan# 1226

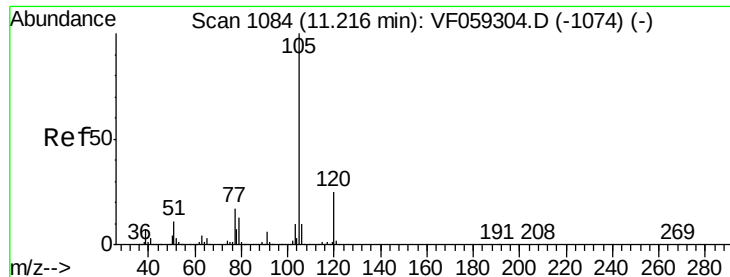
Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	152	Resp:	234444
Ion Ratio	Lower	Upper	
152	100		
115	64.7	27.1	81.3
150	158.5	0.0	305.2





#73

Isopropylbenzene

Concen: 52.68 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 719565

Ion Ratio Lower Upper

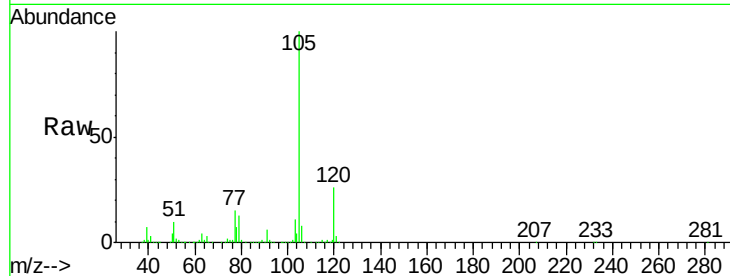
105 100

120 25.9 12.3 36.8

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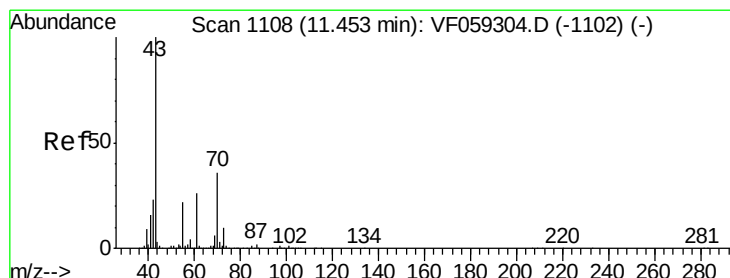
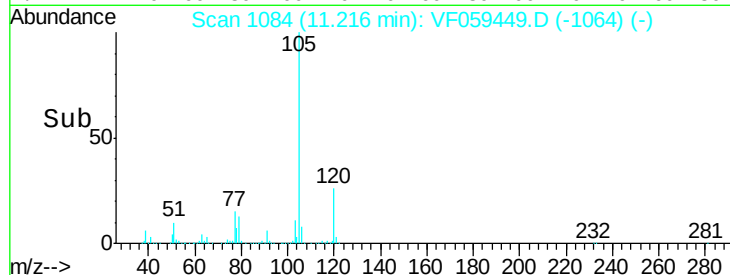
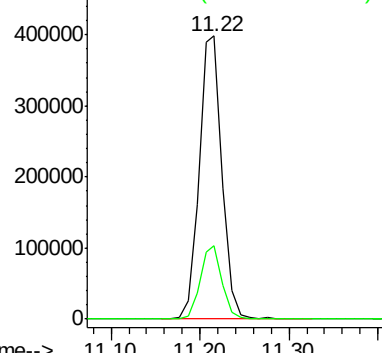
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.28 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion: 43 Resp: 269029

Ion Ratio Lower Upper

43 100

70 30.9 28.8 43.2

55 19.5 17.4 26.0

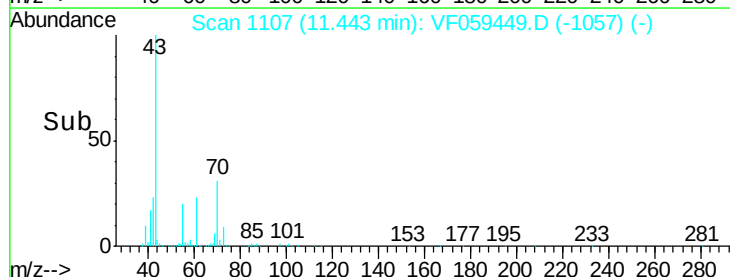
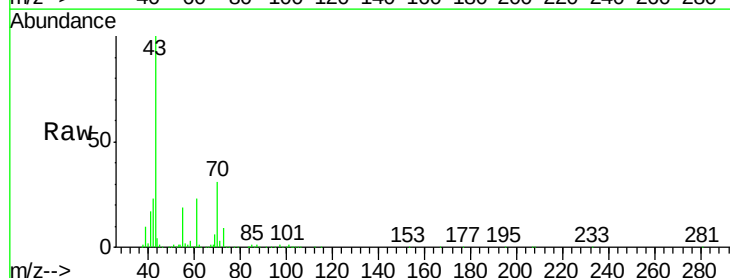
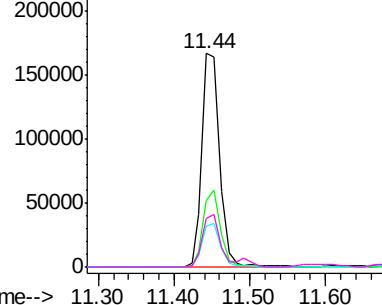
61 23.0 21.1 31.7

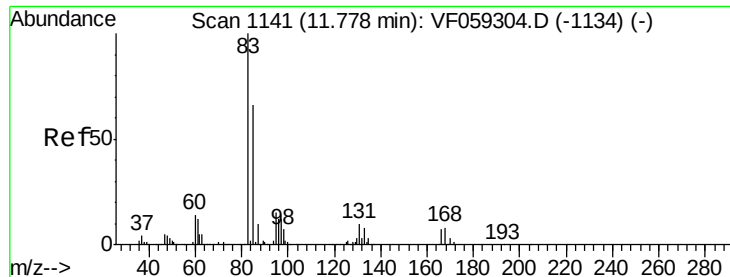
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 52.29 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

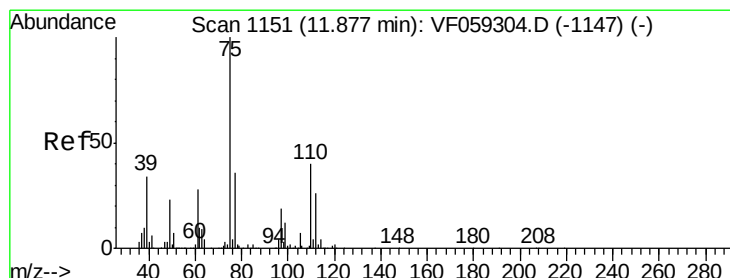
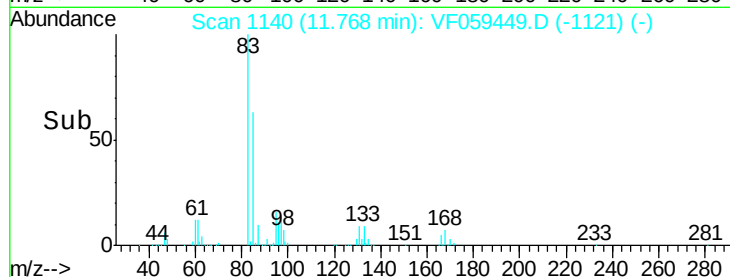
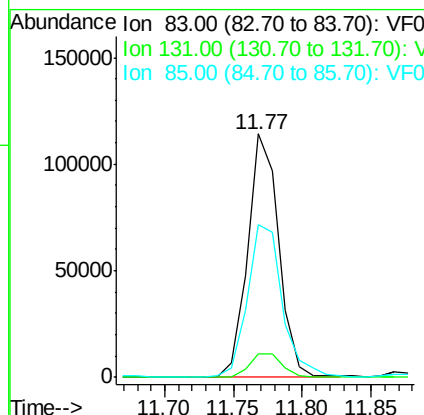
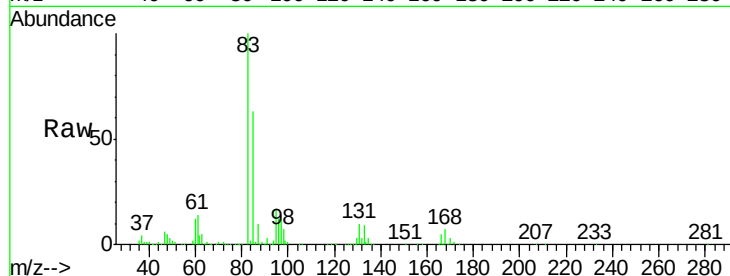
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	180363
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	62.7	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.66 ug/l

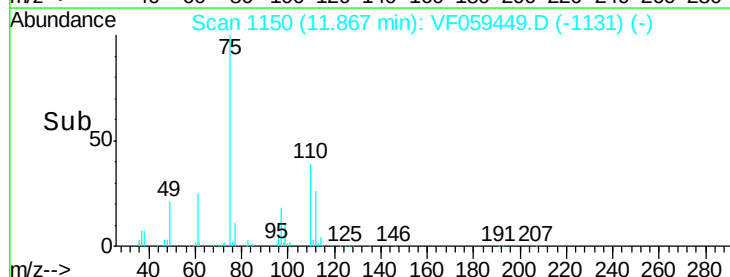
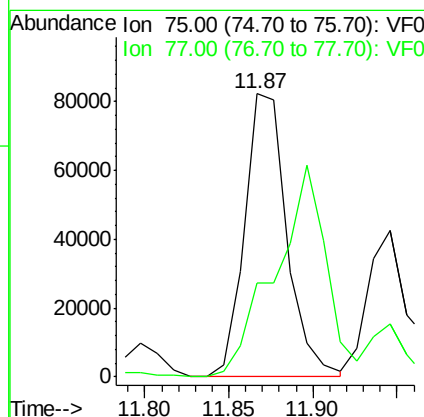
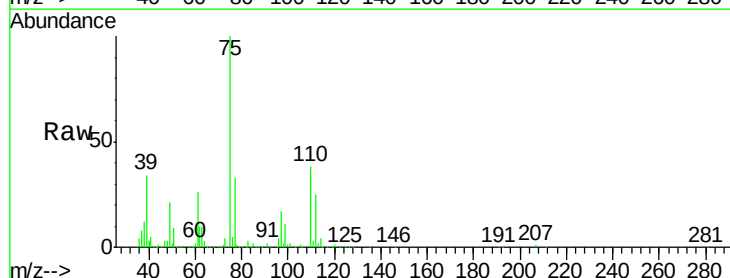
RT: 11.87 min Scan# 1150

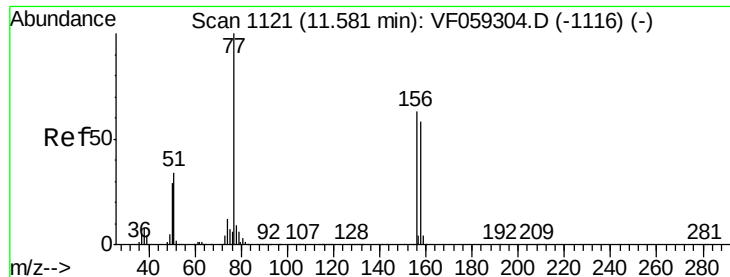
Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	75	Resp:	142228
Ion Ratio	Lower	Upper	
75	100		
77	33.1	18.0	54.0





#77

Bromobenzene

Concen: 52.58 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

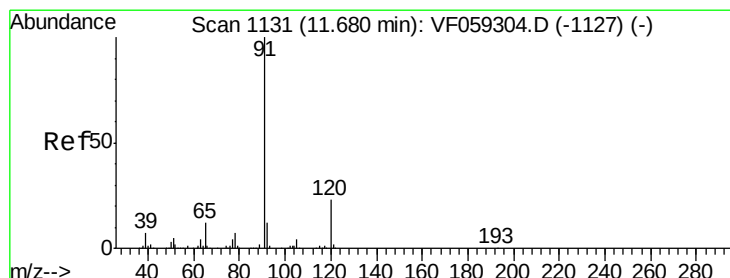
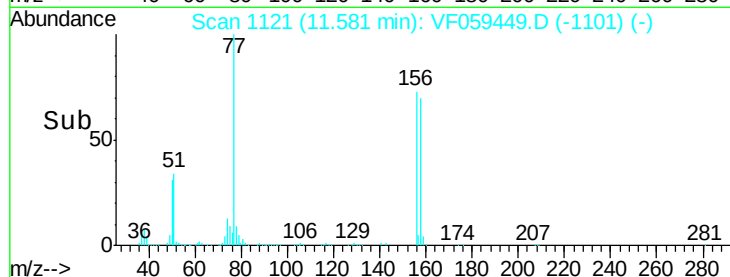
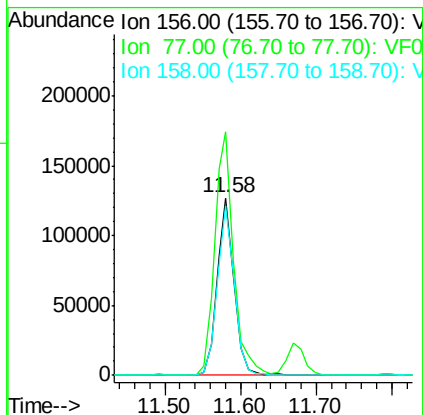
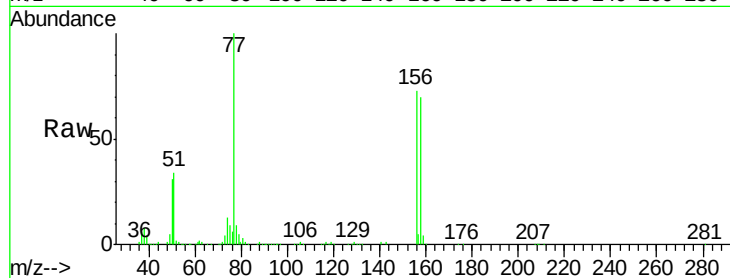
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	137.5	79.7	238.9
158	95.6	46.2	138.6

Manual Integrations
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#78

n-propylbenzene

Concen: 50.02 ug/l

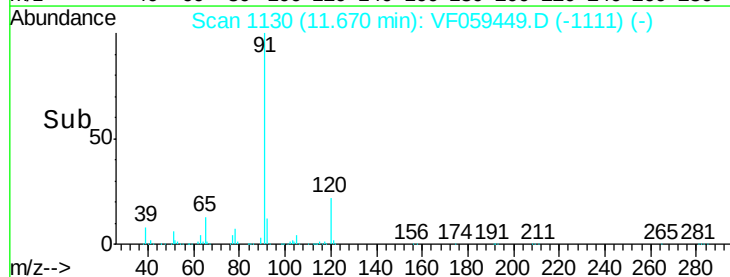
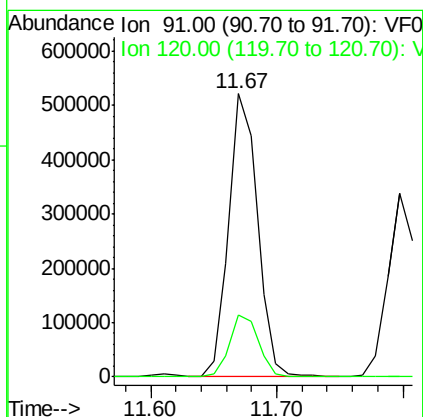
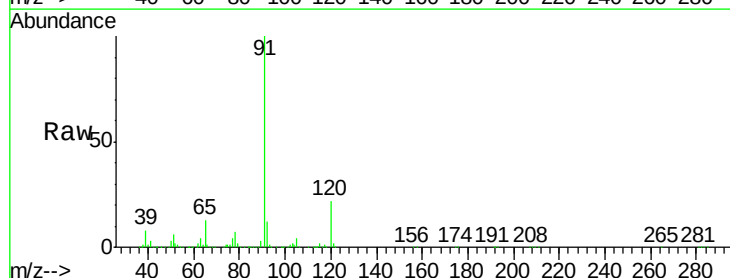
RT: 11.67 min Scan# 1130

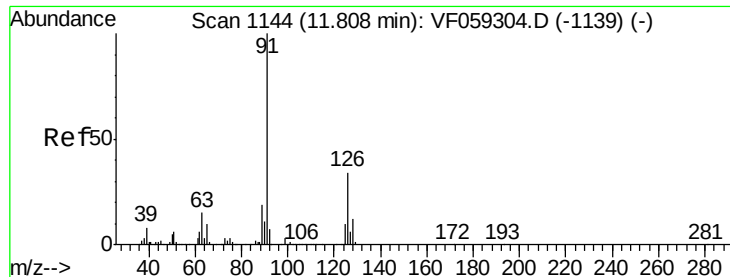
Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.7	35.0





#79

2-Chlorotoluene

Concen: 52.40 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 525127

Ion Ratio Lower Upper

91 100

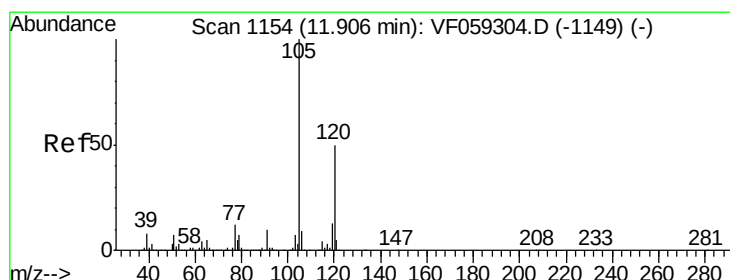
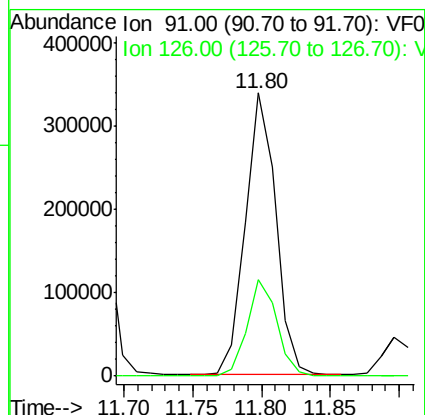
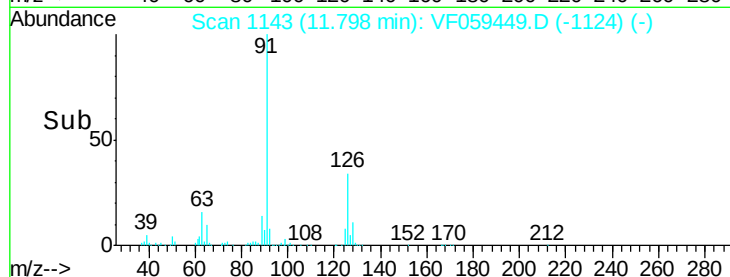
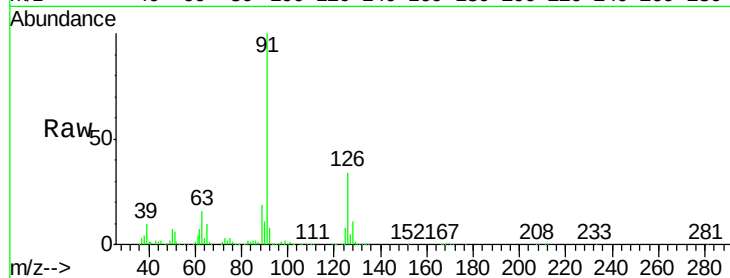
126 34.0 17.2 51.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.86 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059449.D

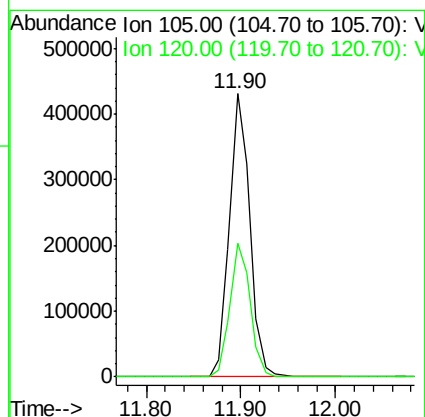
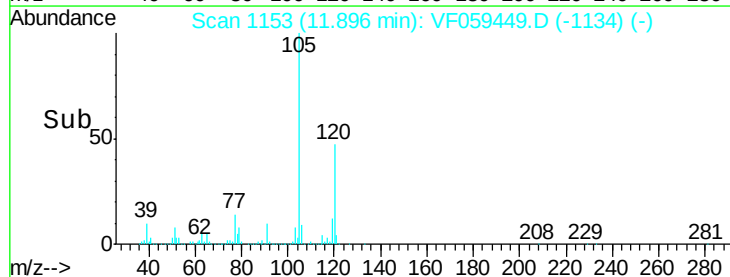
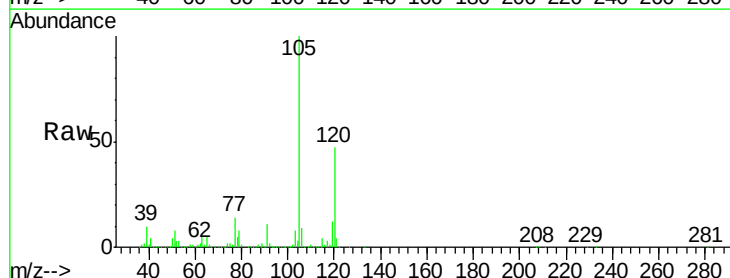
Acq: 6 Jul 2018 14:05

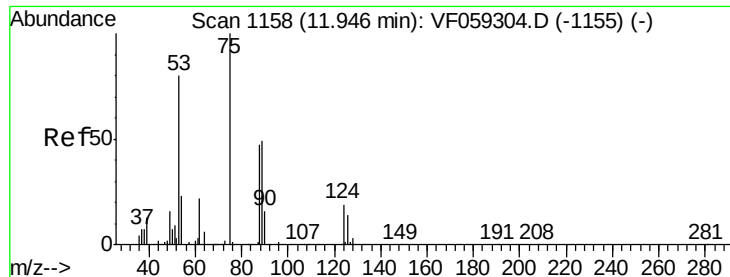
Tgt Ion: 105 Resp: 644346

Ion Ratio Lower Upper

105 100

120 47.0 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 53.06 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

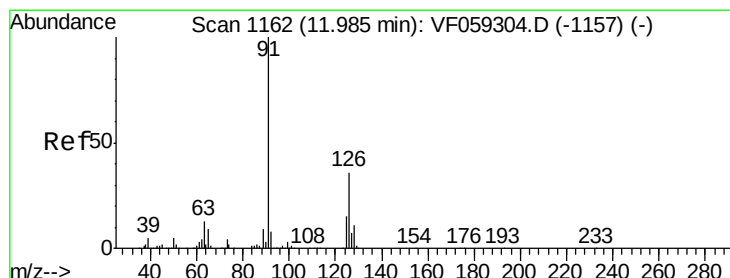
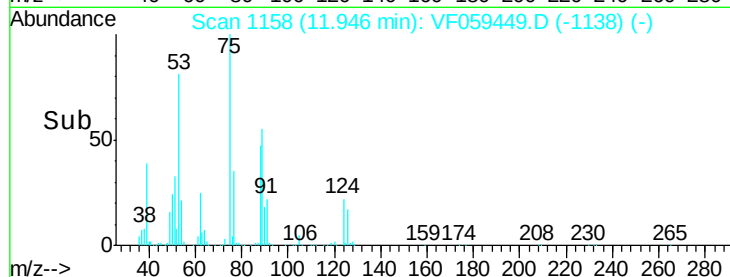
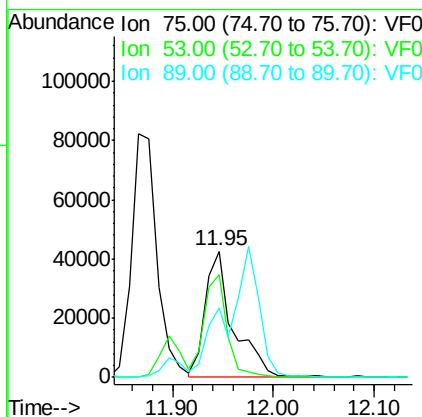
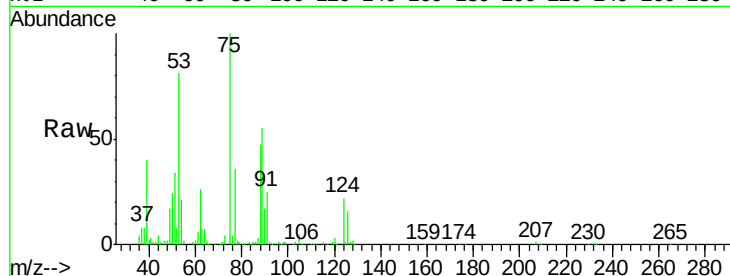
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	82171
Ion	Ratio	Lower	Upper
75	100		
53	81.2	68.8	103.2
89	55.1	42.0	63.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.33 ug/l

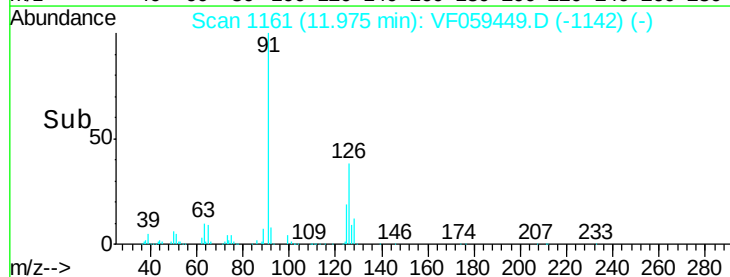
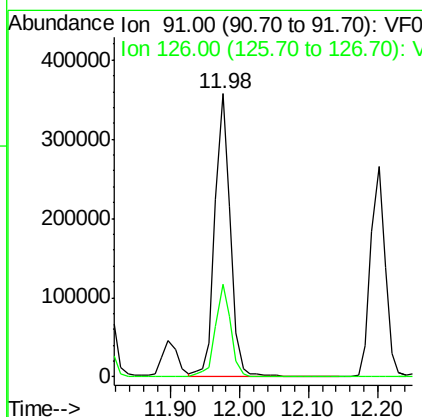
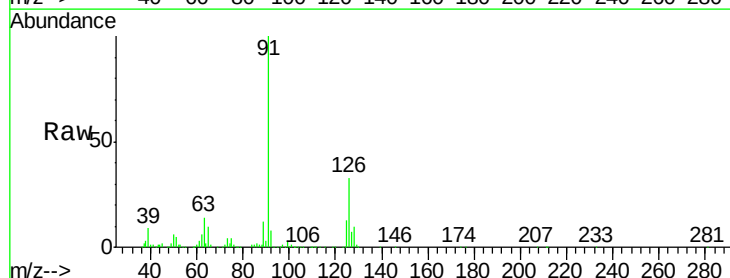
RT: 11.98 min Scan# 1161

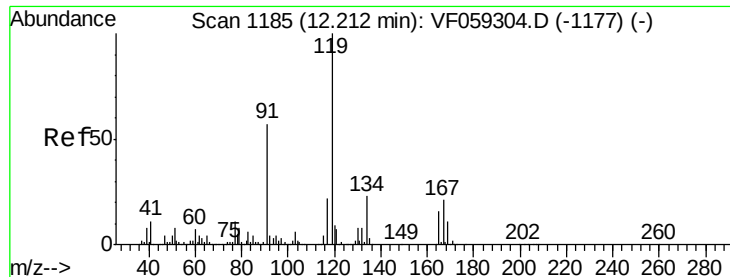
Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	91	Resp:	550997
Ion	Ratio	Lower	Upper
91	100		
126	32.8	18.2	54.6





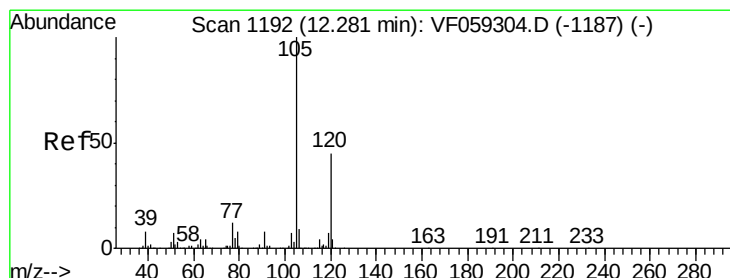
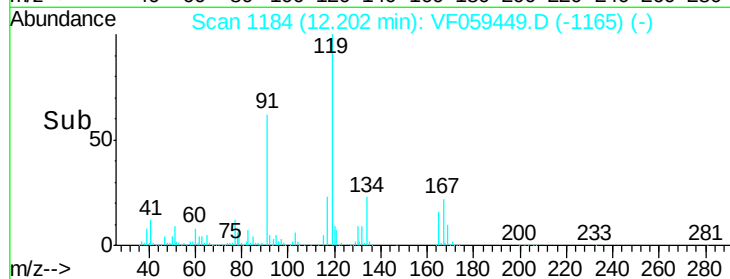
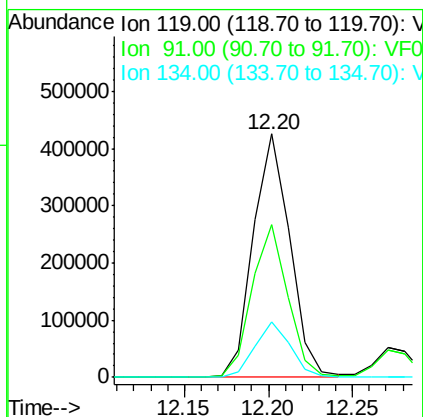
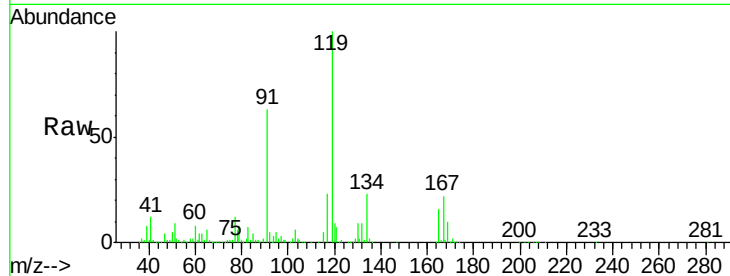
#83
 tert-Butylbenzene
 Concen: 53.95 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	28.4	85.2
134	23.0	11.7	35.1

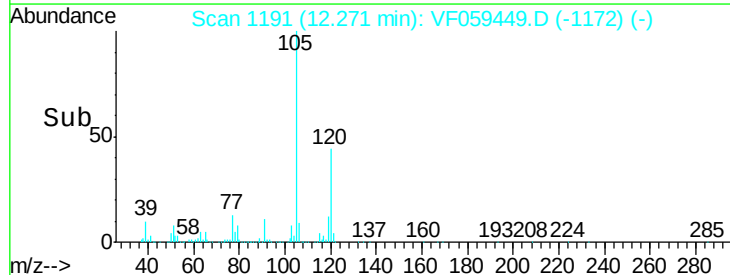
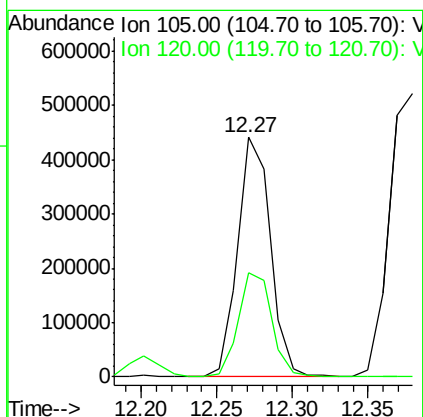
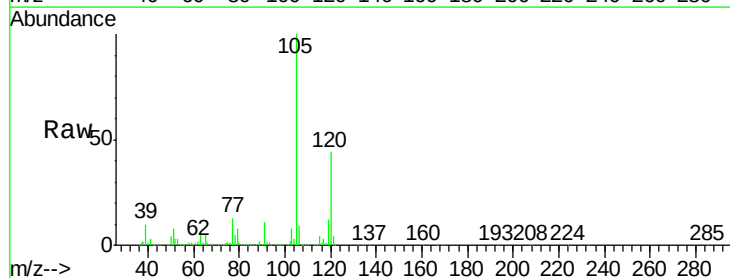
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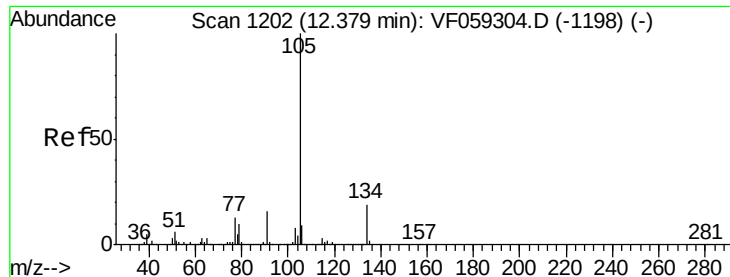
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.67 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 52.50 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 832698

Ion Ratio Lower Upper

105 100

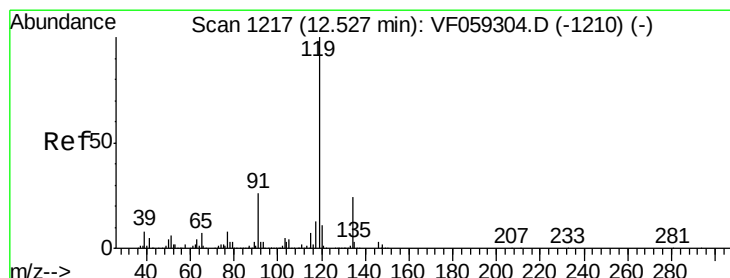
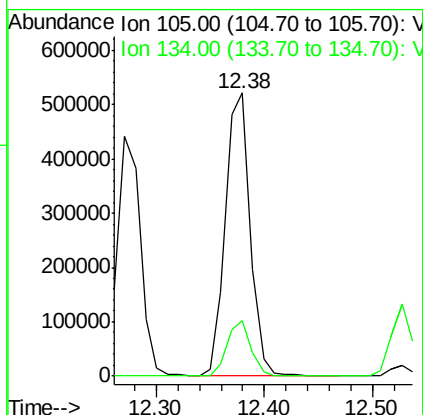
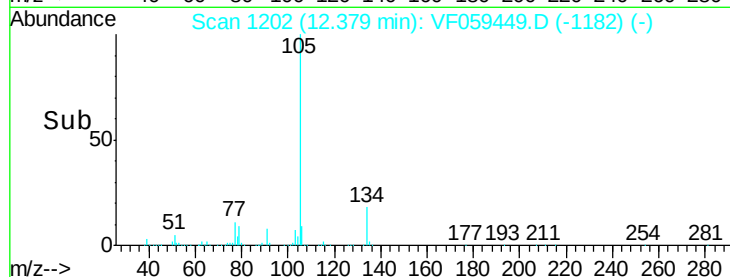
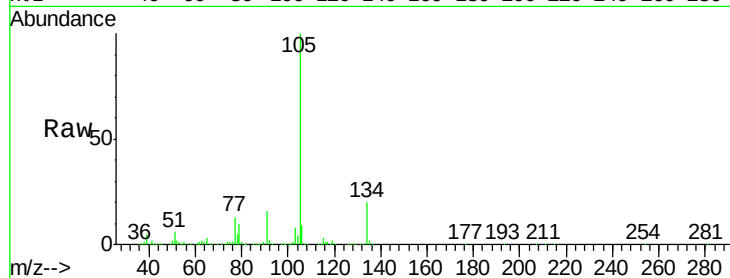
134 19.6 9.4 28.3

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#86

p-Isopropyltoluene

Concen: 51.97 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

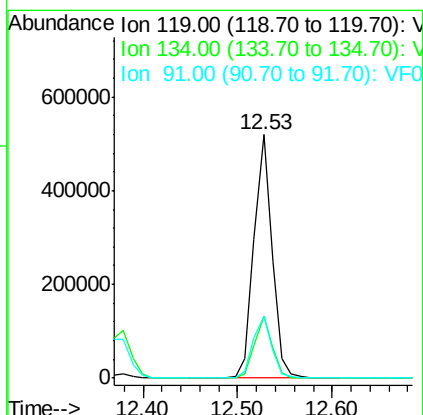
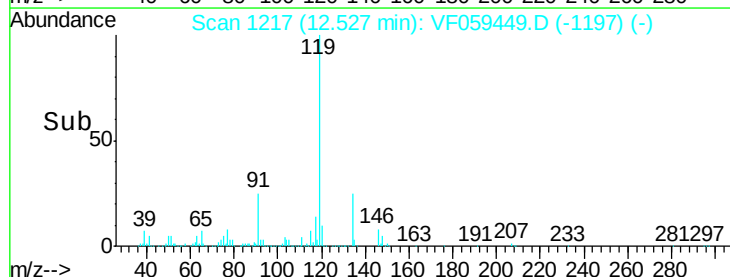
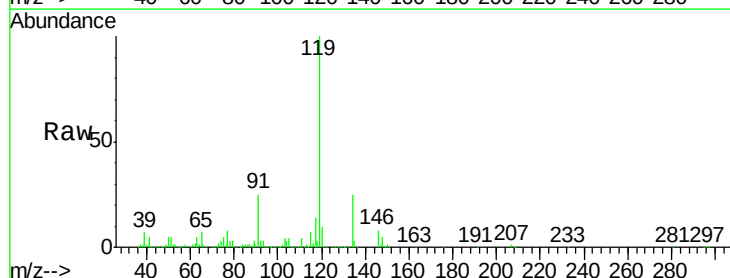
Tgt Ion:119 Resp: 691716

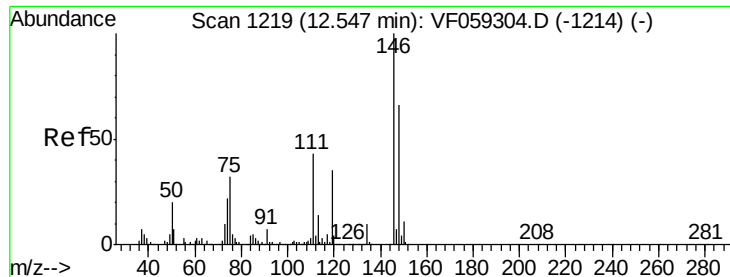
Ion Ratio Lower Upper

119 100

134 25.3 12.2 36.4

91 25.5 12.9 38.6





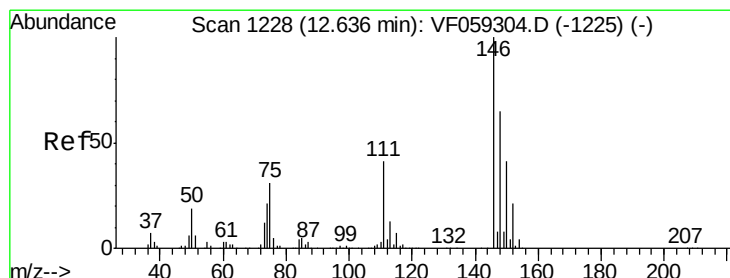
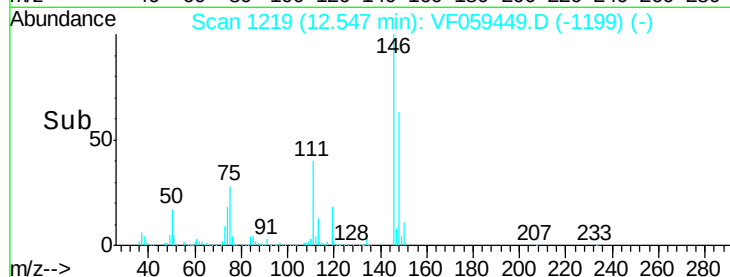
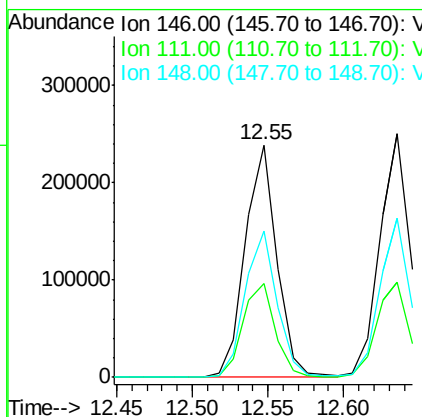
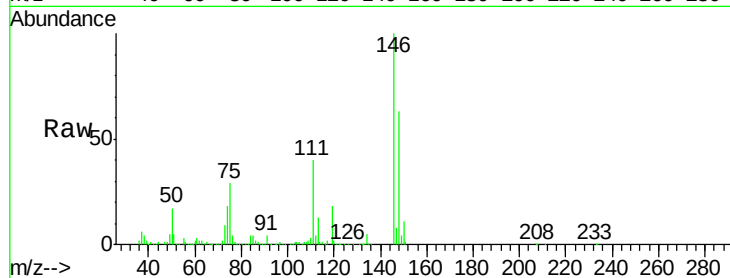
#87
 1,3-Dichlorobenzene
 Concen: 56.57 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.4	64.2
148	63.0	32.8	98.4

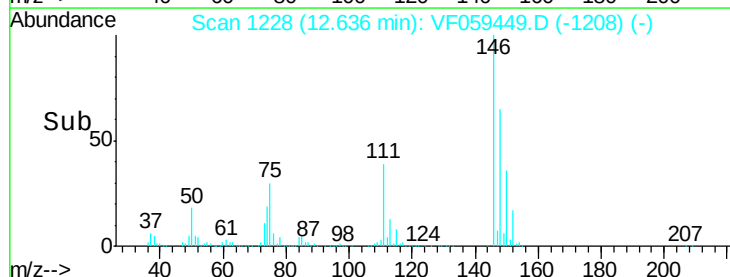
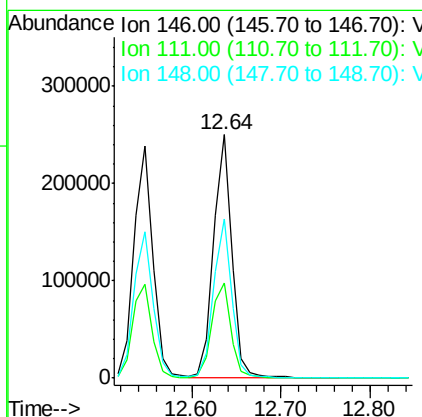
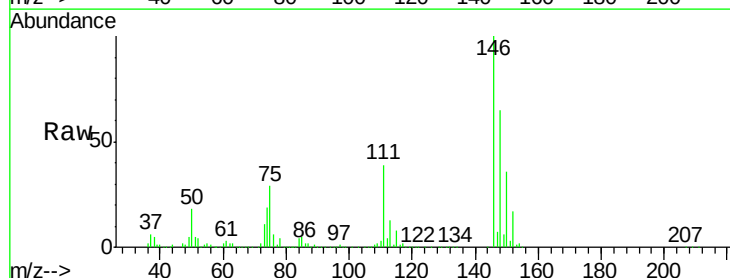
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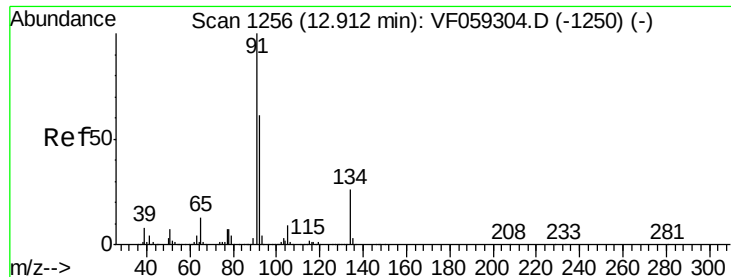
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#88
 1,4-Dichlorobenzene
 Concen: 52.88 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.7	62.1
148	65.3	32.8	98.3





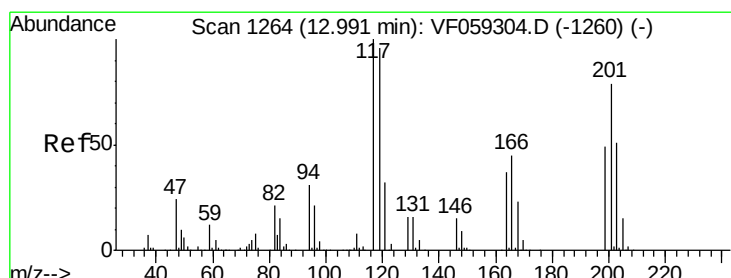
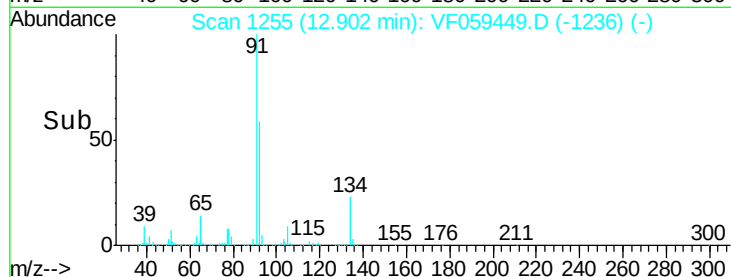
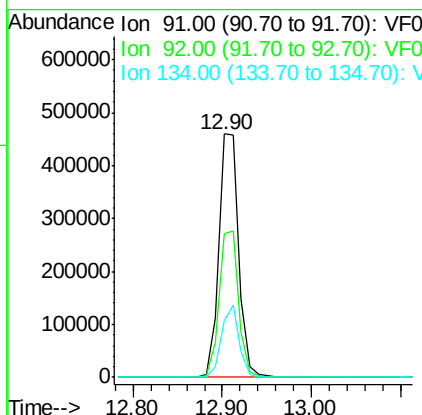
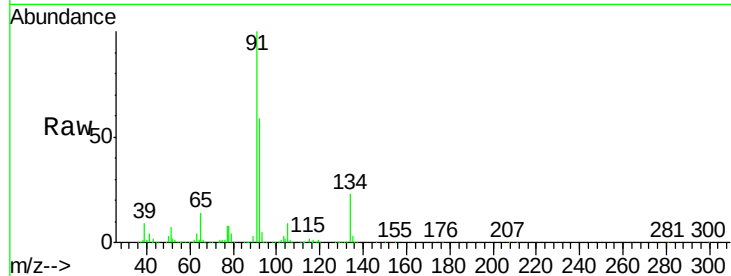
#89
n-Butylbenzene
Concen: 53.23 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	719256		
92	59.1	30.3	91.0	
134	23.2	12.9	38.7	

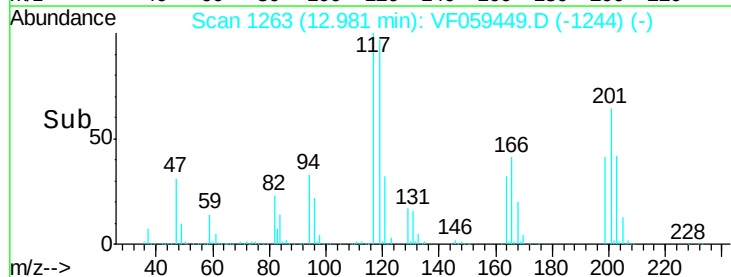
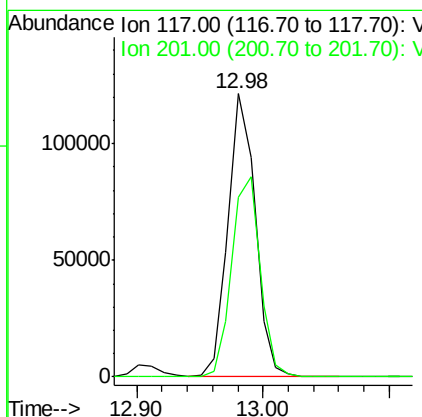
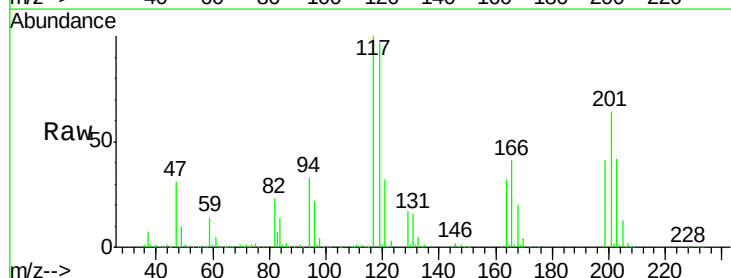
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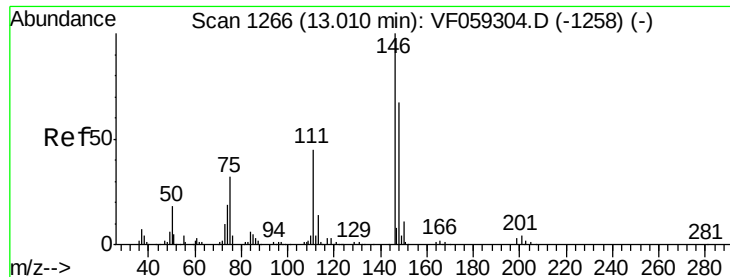
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#90
Hexachloroethane
Concen: 54.72 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	181547		
201	63.7	39.5	118.5	





#91

1,2-Dichlorobenzene

Concen: 52.75 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

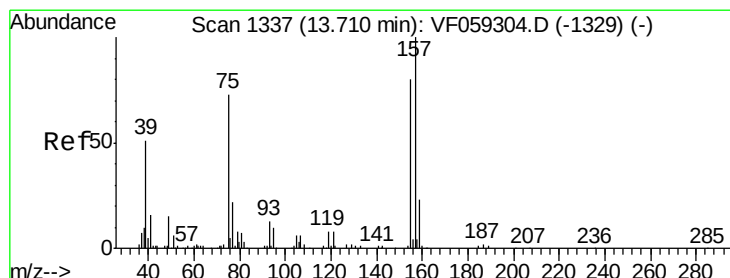
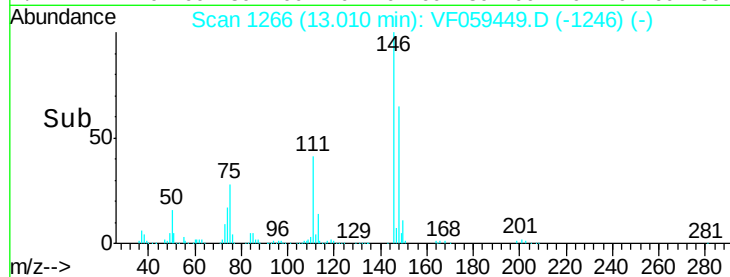
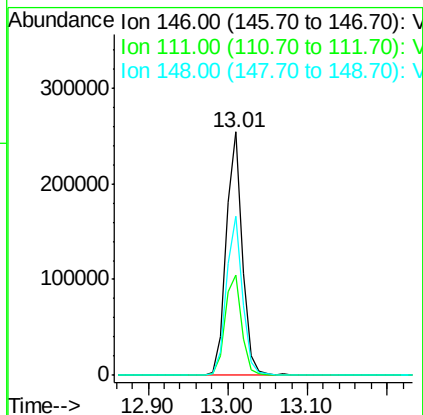
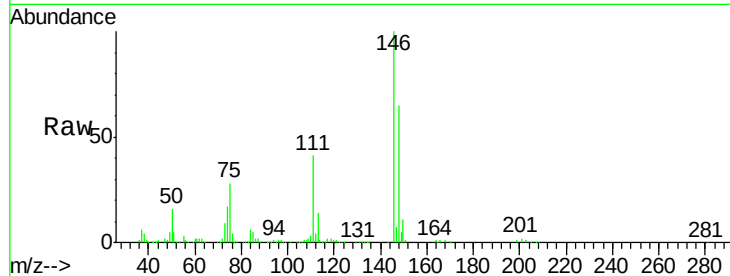
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	22.7	68.0
148	65.1	33.5	100.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 57.00 ug/l

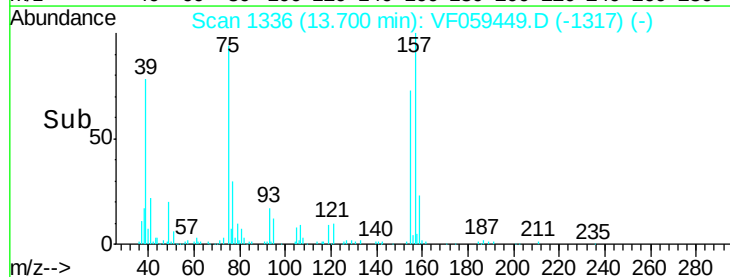
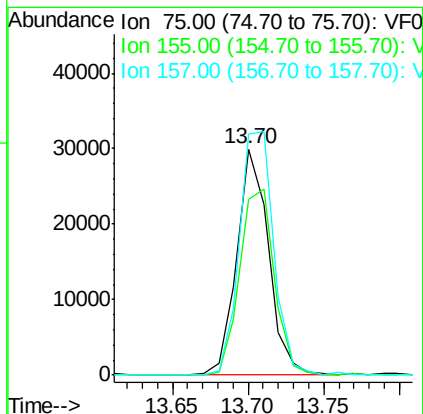
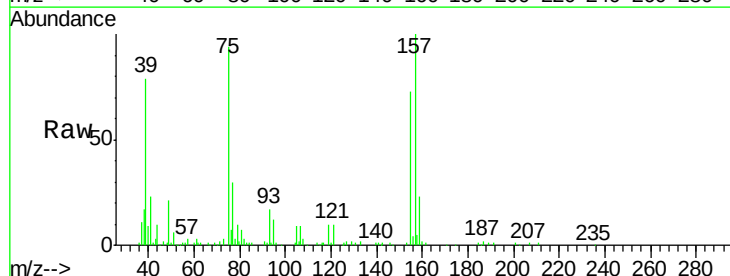
RT: 13.70 min Scan# 1336

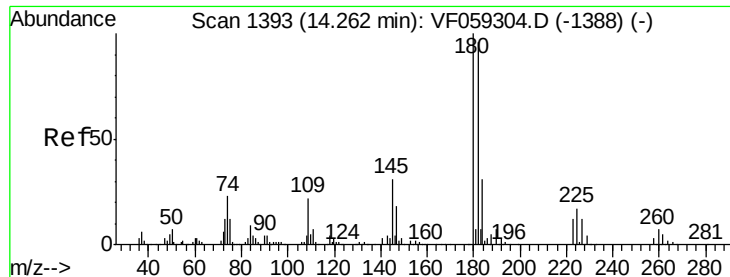
Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	54.6	163.8
157	106.7	68.7	205.9





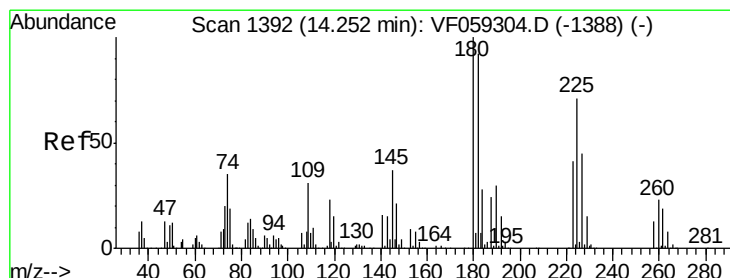
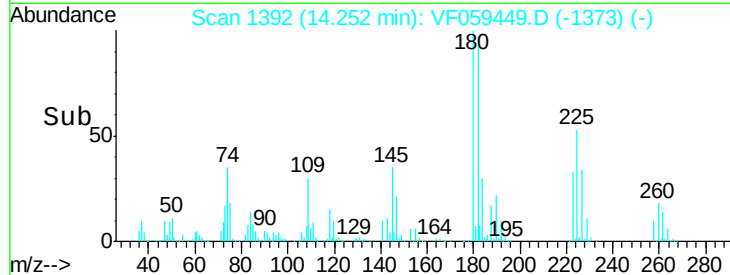
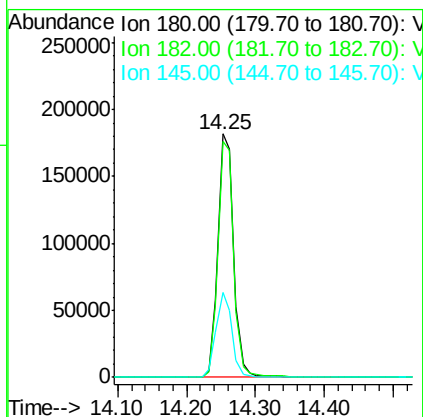
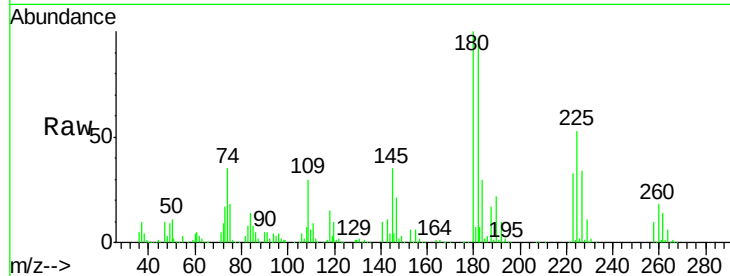
#93
 1,2,4-Trichlorobenzene
 Concen: 57.04 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	290133		
182	96.9	48.1	144.3	
145	35.0	15.3	45.8	

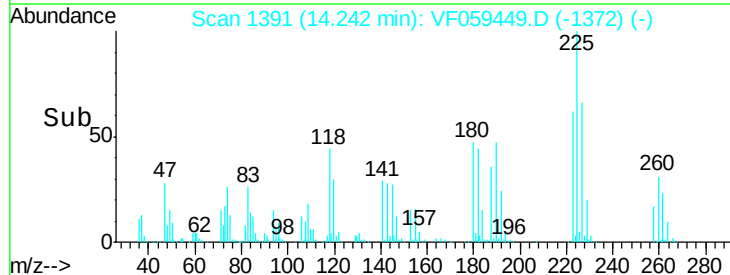
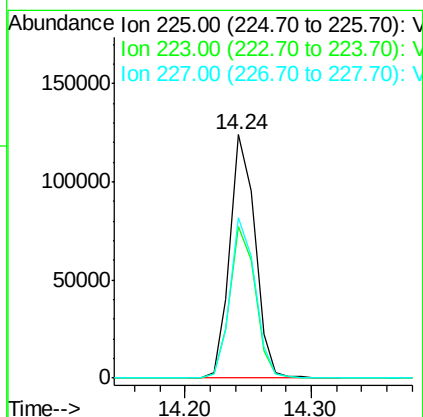
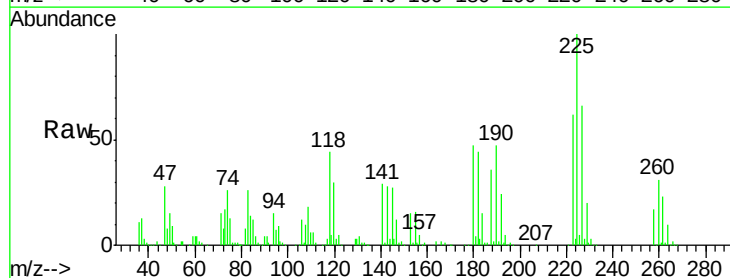
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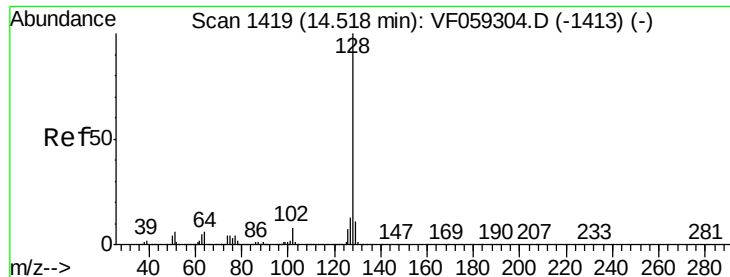
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#94
 Hexachlorobutadiene
 Concen: 60.48 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	171824		
223	62.4	28.9	86.8	
227	65.8	31.3	93.8	





#95

Naphthalene

Concen: 59.47 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

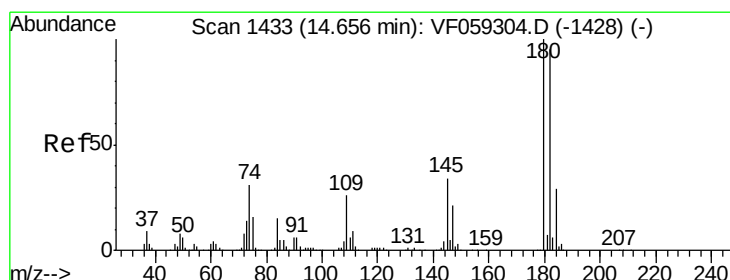
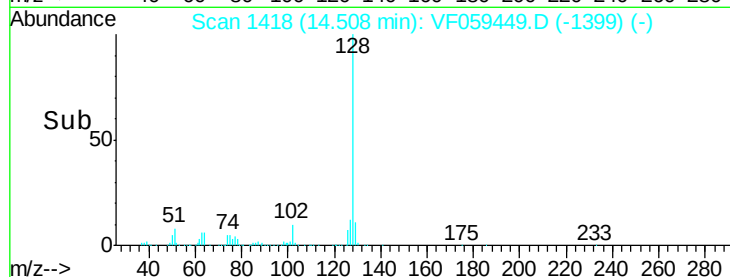
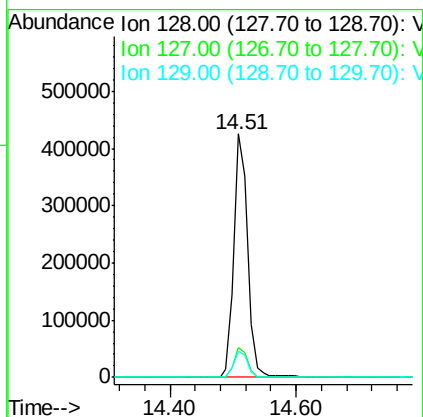
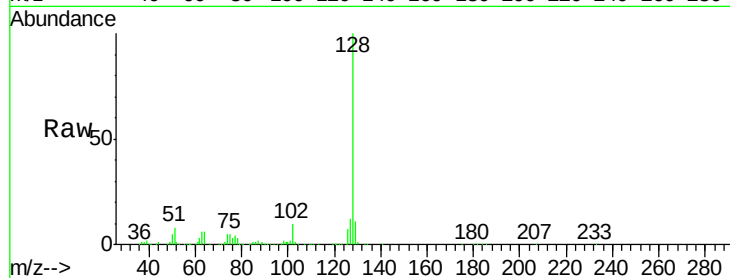
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	632862
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.1	15.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
7/9/2018 11:13:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 59.64 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion:	180	Resp:	287399
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.5	142.5
145	32.3	17.0	50.9

