

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF103018\
 Data File : VF060540.D
 Acq On : 30 Oct 2018 11:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/31/2018 10:22:01 AM

Quant Time: Oct 31 05:01:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	310023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	484089	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	410802	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	232953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	235425	49.23	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	4.29	113	228831	49.26	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	7.71	98	578260	50.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.51	95	255634	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	245522	46.27	ug/l	95
3) Chloromethane	1.13	50	155002	48.17	ug/l	97
4) Vinyl Chloride	1.18	62	177657	47.80	ug/l	97
5) Bromomethane	1.37	94	153617	52.59	ug/l	95
6) Chloroethane	1.43	64	96420	49.82	ug/l	95
7) Trichlorofluoromethane	1.54	101	444873	49.68	ug/l	97
8) Diethyl Ether	1.70	74	56642	50.43	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.89	101	212042	53.68	ug/l	96
10) Methyl Iodide	1.96	142	343746	50.75	ug/l	97
11) Tert butyl alcohol	2.68	59	53667	284.91	ug/l	98
12) 1,1-Dichloroethene	1.85	96	166339	47.74	ug/l	92
13) Acrolein	2.09	56	46504	267.87	ug/l	99
14) Allyl chloride	2.19	41	288907	52.15	ug/l	90
15) Acrylonitrile	3.06	53	109635	229.28	ug/l	98
16) Acetone	2.34	43	241656	263.26	ug/l	99
17) Carbon Disulfide	1.84	76	511982m	52.29	ug/l	
18) Methyl Acetate	2.44	43	76284	51.87	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	384434	49.25	ug/l	99
20) Methylene Chloride	2.28	84	152608	48.35	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	174522	48.98	ug/l	96
22) Diisopropyl ether	2.92	45	529106	52.58	ug/l	97
23) Vinyl Acetate	3.33	43	902444	241.77	ug/l	99
24) 1,1-Dichloroethane	3.00	63	348743	48.03	ug/l	100
25) 2-Butanone	4.50	43	269934	240.11	ug/l	97
26) 2,2-Dichloropropane	3.75	77	219534	48.65	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	185509	43.17	ug/l	91
28) Bromochloromethane	3.88	49	119253	45.59	ug/l	92
29) Tetrahydrofuran	4.25	42	92818	231.23	ug/l	98
30) Chloroform	4.03	83	426996	46.56	ug/l	99
31) Cyclohexane	3.87	56	238932	46.08	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	367340	48.45	ug/l	97
36) 1,1-Dichloropropene	4.45	75	279801	46.39	ug/l	95
37) Ethyl Acetate	4.29	43	87722	44.93	ug/l	# 93
38) Carbon Tetrachloride	4.17	117	355607m	49.24	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	279237	45.84	ug/l	98
40) Benzene	4.81	78	571313	47.76	ug/l	98
41) Methacrylonitrile	4.92	41	52354	46.91	ug/l	91
42) 1,2-Dichloroethane	5.12	62	263098	47.36	ug/l	93
43) Isopropyl Acetate	7.11	43	114974	48.65	ug/l #	91
44) Trichloroethene	5.67	130	181137	46.84	ug/l	93
45) 1,2-Dichloropropane	6.40	63	145610	48.78	ug/l	92
46) Dibromomethane	6.25	93	116229	49.58	ug/l	92
47) Bromodichloromethane	6.54	83	300822	50.01	ug/l	99
48) Methyl methacrylate	6.87	41	78183	47.96	ug/l	92
49) 1,4-Dioxane	6.86	88	14677	967.81	ug/l	88
51) 4-Methyl-2-Pentanone	8.40	43	414936	242.37	ug/l	93
52) Toluene	7.78	92	368953	47.51	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	221965	47.24	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	280199	50.32	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	112827	48.49	ug/l	95
56) Ethyl methacrylate	8.75	69	125200	47.95	ug/l #	81
57) 1,3-Dichloropropane	9.00	76	195934	49.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	71956	267.40	ug/l	100
59) 2-Hexanone	9.63	43	312732	247.86	ug/l	94
60) Dibromochloromethane	8.86	129	183652	48.99	ug/l	100
61) 1,2-Dibromoethane	9.14	107	128548	47.71	ug/l	96
64) Tetrachloroethene	8.30	164	166688	48.00	ug/l	99
65) Chlorobenzene	9.94	112	405719	49.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	182099	48.35	ug/l	95
67) Ethyl Benzene	10.03	91	766038	48.51	ug/l	100
68) m/p-Xylenes	10.27	106	518091	96.06	ug/l	99
69) o-Xylene	10.82	106	284846	46.90	ug/l	94
70) Styrene	10.90	104	392266	45.81	ug/l	95
71) Bromoform	10.89	173	92911	47.83	ug/l #	95
73) Isopropylbenzene	11.23	105	886623	49.79	ug/l	100
74) N-amyl acetate	11.46	43	175478	49.21	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	135132	45.48	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	101446	45.38	ug/l	91
77) Bromobenzene	11.59	156	184960	47.21	ug/l	87
78) n-propylbenzene	11.69	91	1032249	48.87	ug/l	99
79) 2-Chlorotoluene	11.81	91	594026	46.99	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	714419	46.43	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	45919m	47.03	ug/l	
82) 4-Chlorotoluene	11.99	91	622231	47.47	ug/l	100
83) tert-Butylbenzene	12.21	119	746552	50.07	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	741936	47.47	ug/l	98
85) sec-Butylbenzene	12.39	105	981806	46.98	ug/l	99
86) p-Isopropyltoluene	12.54	119	816450	47.60	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	363427	46.47	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	354168	47.98	ug/l	98
89) n-Butylbenzene	12.91	91	844373	53.60	ug/l	96
90) Hexachloroethane	12.99	117	212953	48.11	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	346440	47.02	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	26378	42.81	ug/l	86

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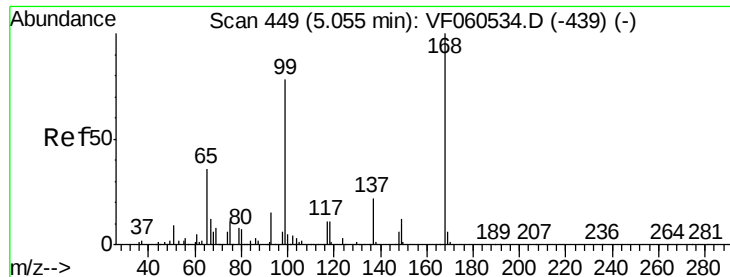
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	260187	47.14	ug/l	97
94) Hexachlorobutadiene	14.25	225	185834	47.56	ug/l	95
95) Naphthalene	14.52	128	458929	47.01	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	239328	45.56	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 448

Delta R.T. -0.01 min

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Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 310023

Ion Ratio Lower Upper

168 100

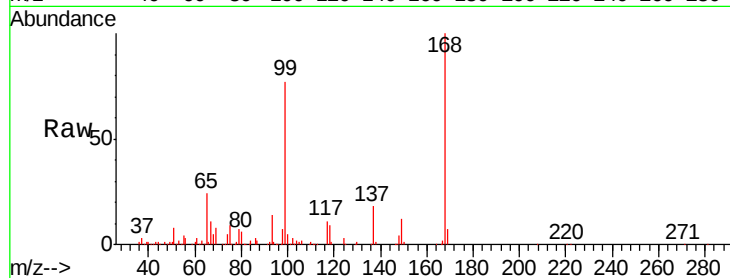
99 77.0 62.6 93.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

100000

80000

60000

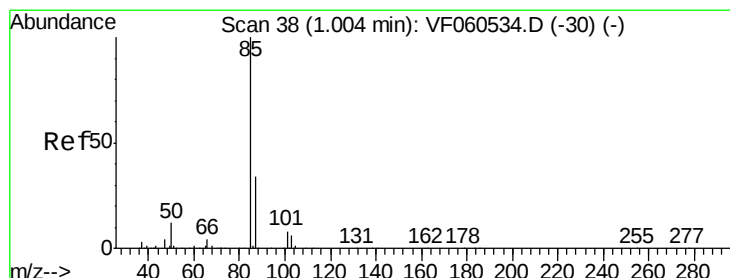
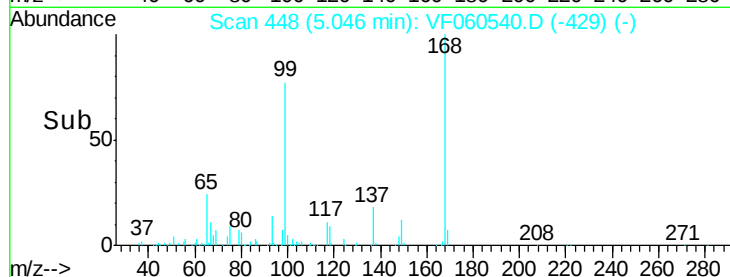
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 46.27 ug/l

RT: 0.99 min Scan# 37

Delta R.T. -0.01 min

Lab File: VF060540.D

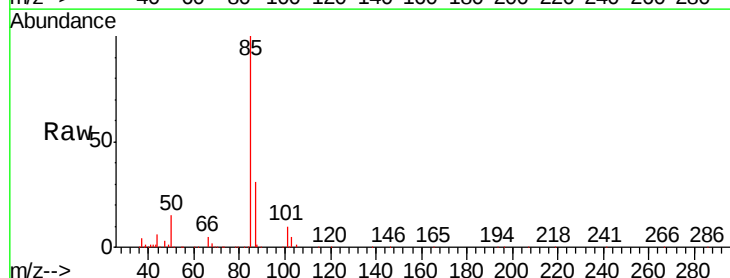
Acq: 30 Oct 2018 11:45

Tgt Ion: 85 Resp: 245522

Ion Ratio Lower Upper

85 100

87 30.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

80000

60000

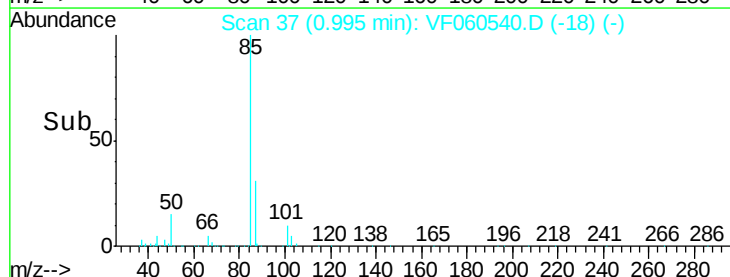
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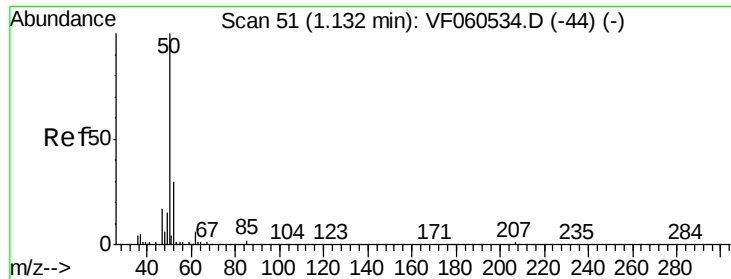
20000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 48.17 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 155002

Ion Ratio Lower Upper

50 100

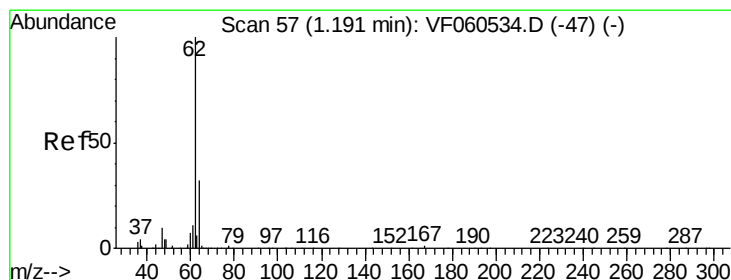
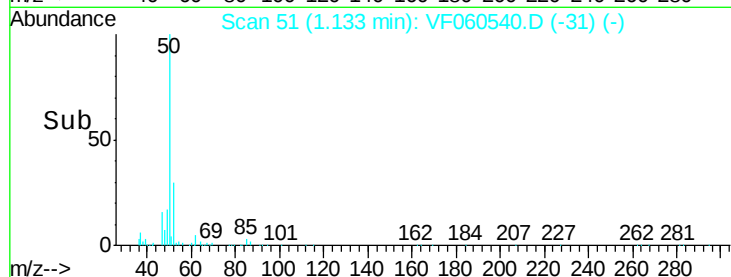
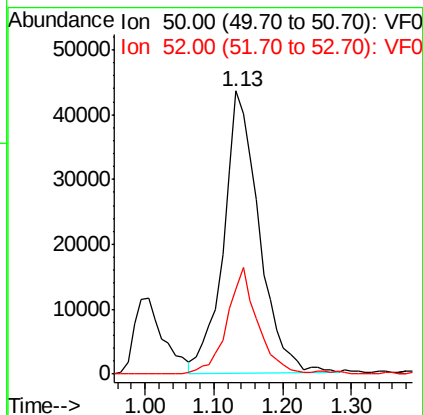
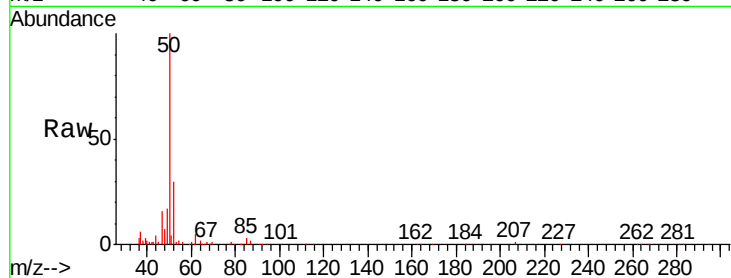
52 30.1 22.8 34.2

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#4

Vinyl Chloride

Concen: 47.80 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF060540.D

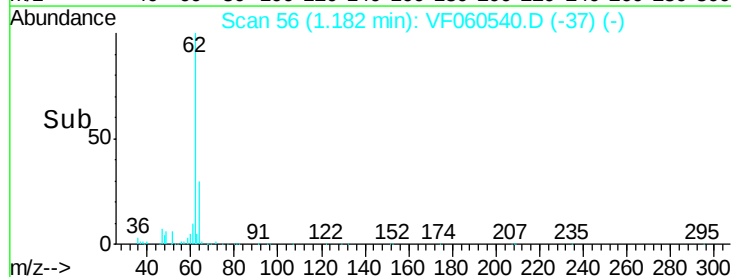
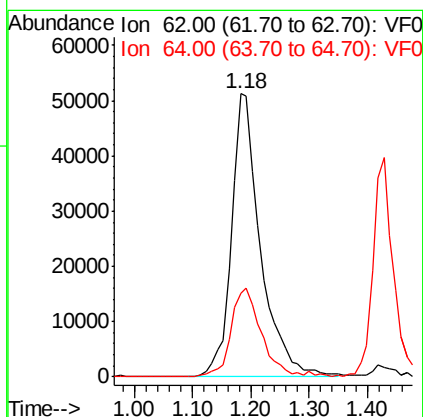
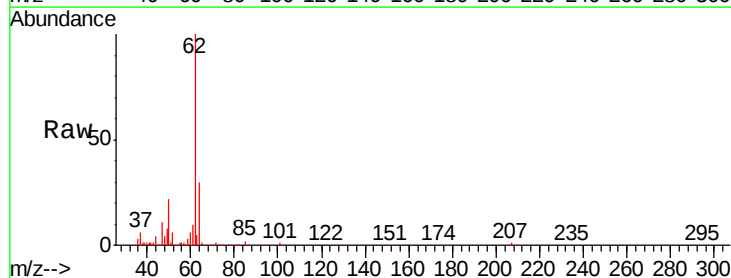
Acq: 30 Oct 2018 11:45

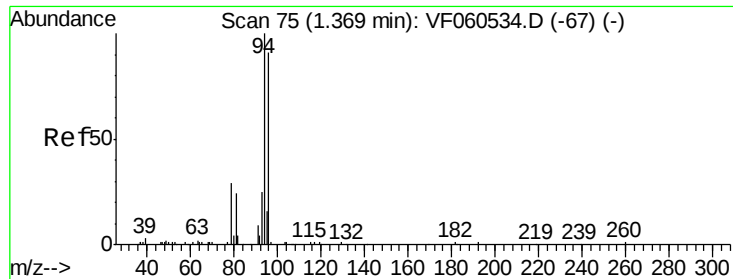
Tgt Ion: 62 Resp: 177657

Ion Ratio Lower Upper

62 100

64 29.7 25.3 37.9





#5

Bromomethane

Concen: 52.59 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.00 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

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VSTDCCC050

Tgt Ion: 94 Resp: 153617

Ion Ratio Lower Upper

94 100

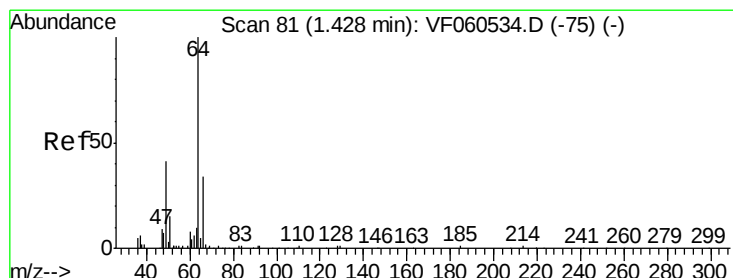
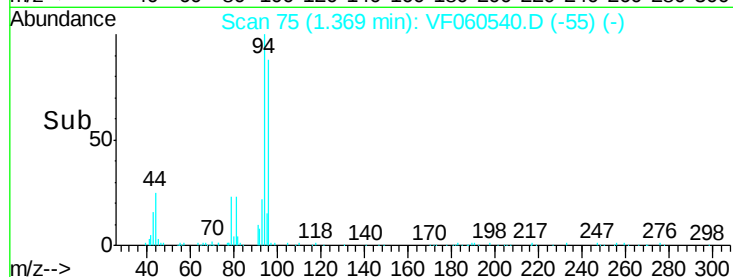
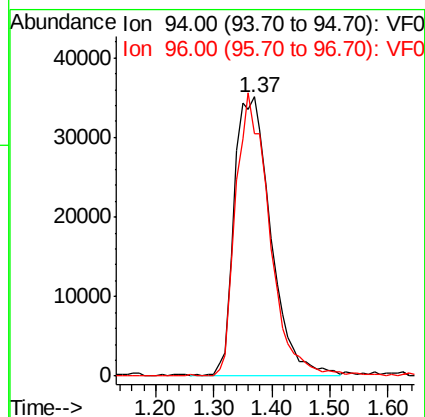
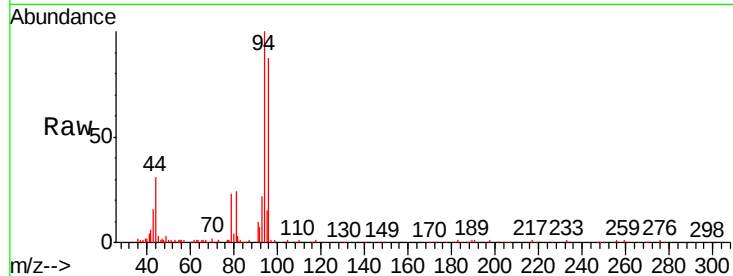
96 86.8 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 49.82 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060540.D

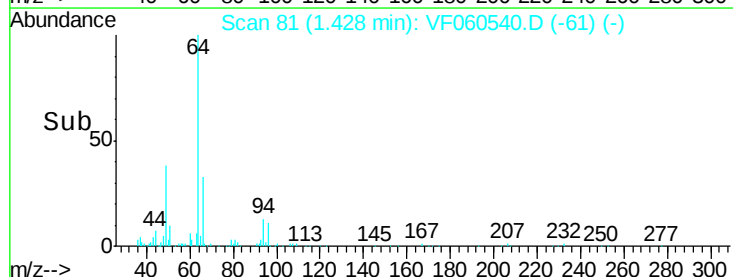
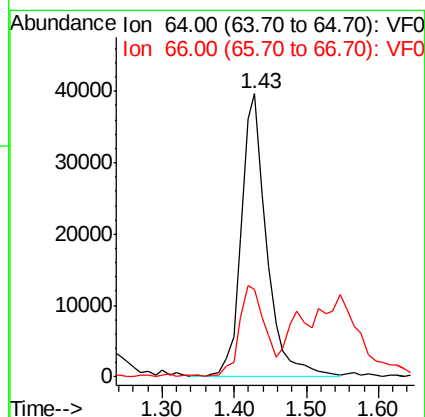
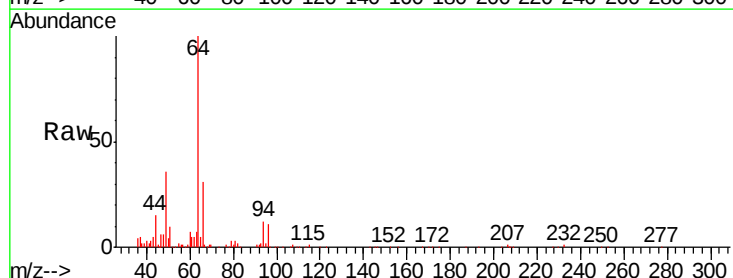
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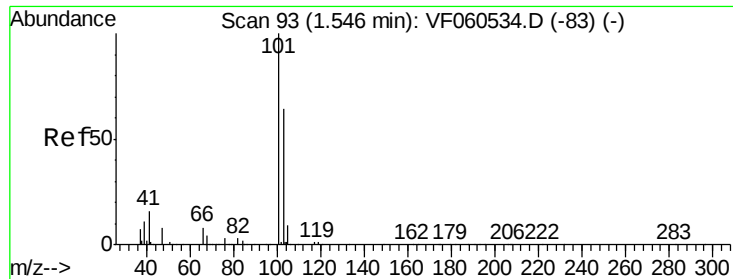
Tgt Ion: 64 Resp: 96420

Ion Ratio Lower Upper

64 100

66 31.0 27.1 40.7





#7

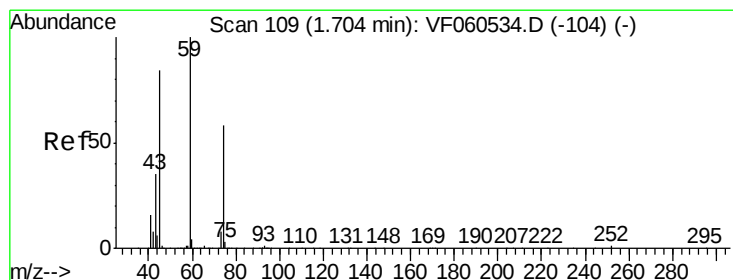
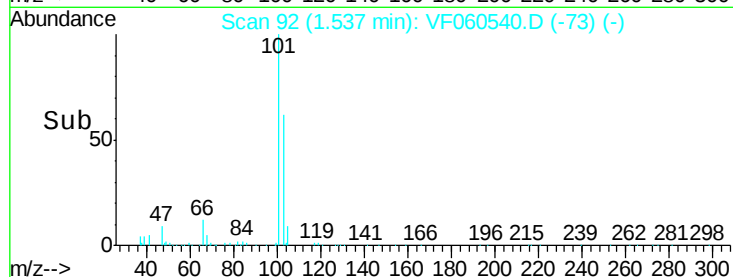
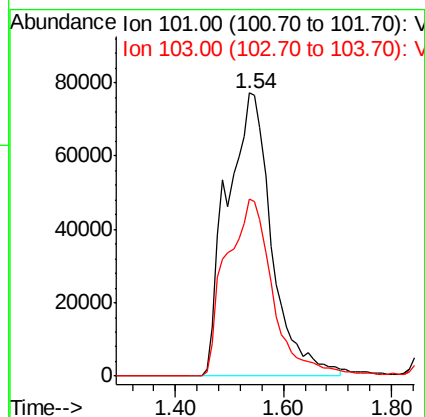
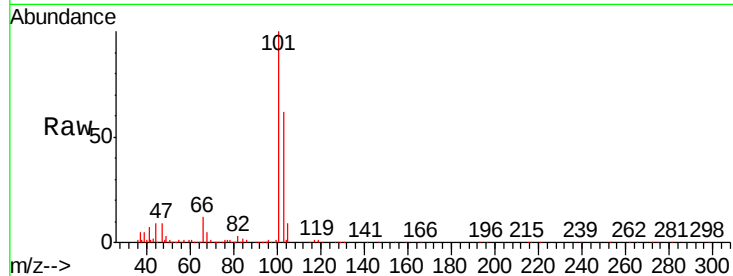
Trichlorofluoromethane
 Concen: 49.68 ug/l
 RT: 1.54 min Scan# 92
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

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 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 444873
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.6 77.4

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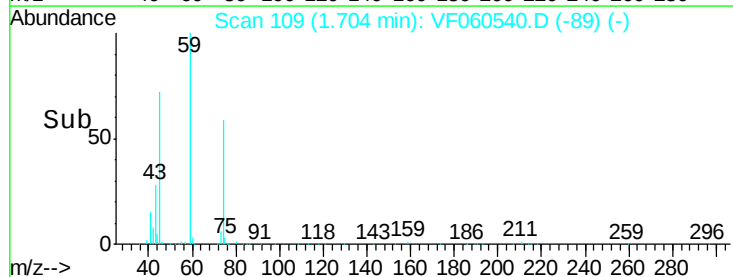
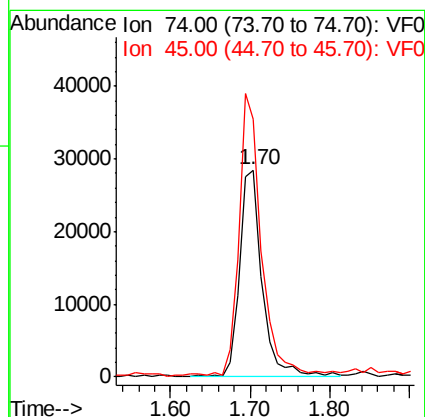
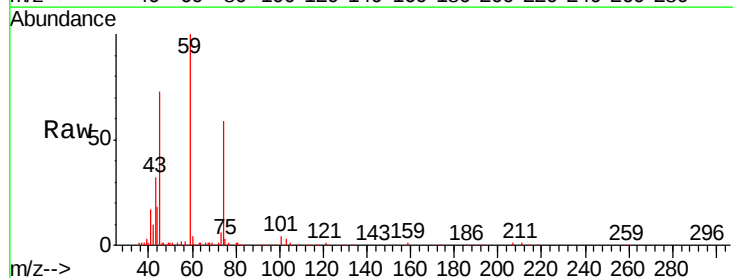
apatel
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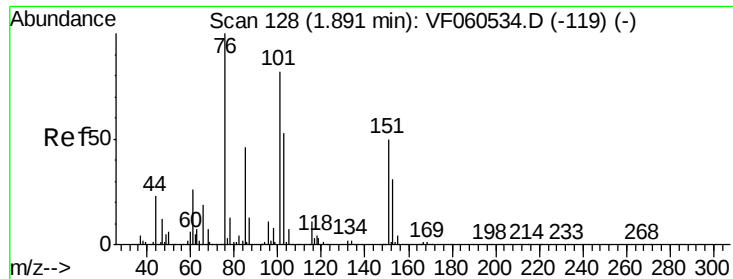


#8

Diethyl Ether
 Concen: 50.43 ug/l
 RT: 1.70 min Scan# 109
 Delta R.T. 0.00 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion: 74 Resp: 56642
 Ion Ratio Lower Upper
 74 100
 45 124.3 72.9 218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.68 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060540.D

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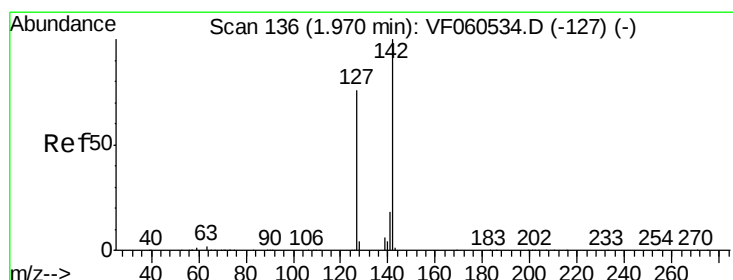
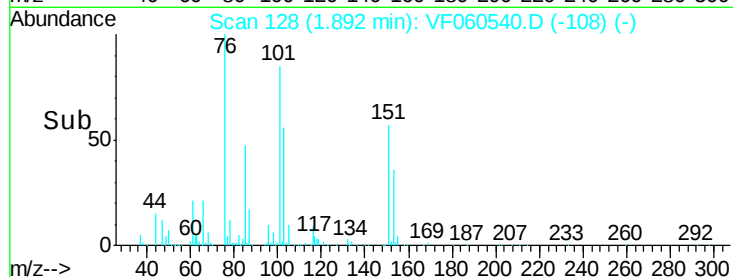
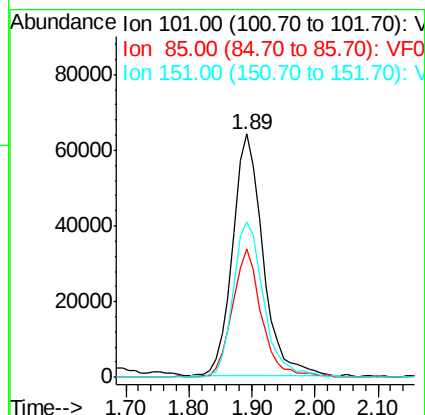
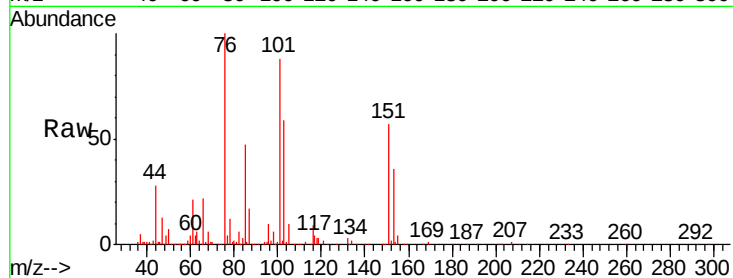
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	212042
Ion Ratio	Lower	Upper	
101	100		
85	52.7	44.6	67.0
151	64.0	48.4	72.6

Manual Integrations
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#10

Methyl Iodide

Concen: 50.75 ug/l

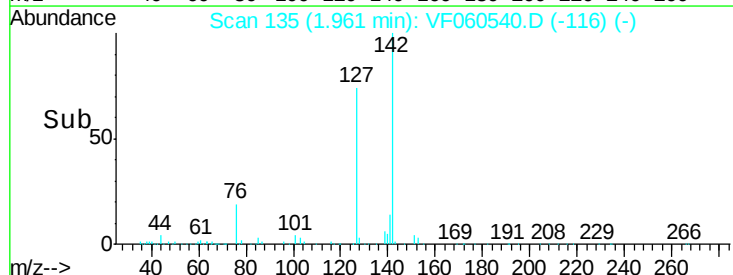
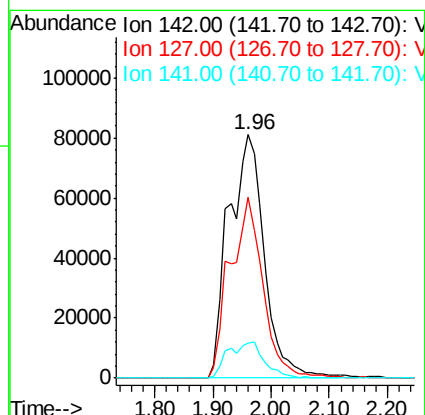
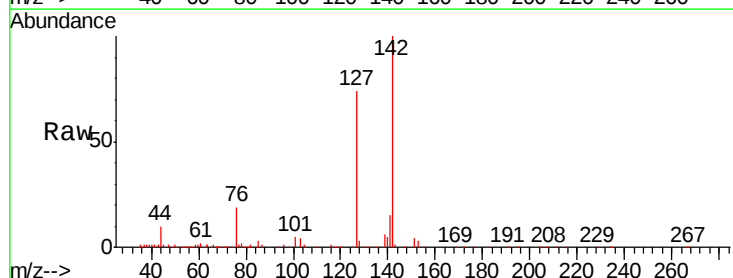
RT: 1.96 min Scan# 135

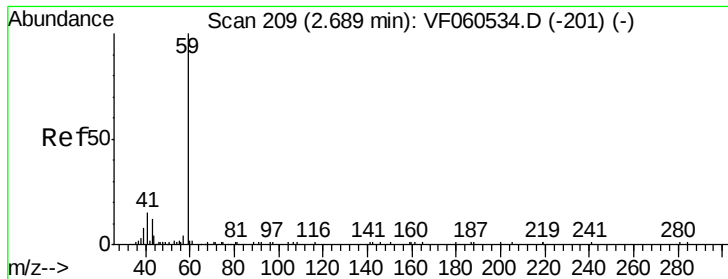
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	142	Resp:	343746
Ion Ratio	Lower	Upper	
142	100		
127	74.4	61.2	91.8
141	14.6	14.0	21.0





#11

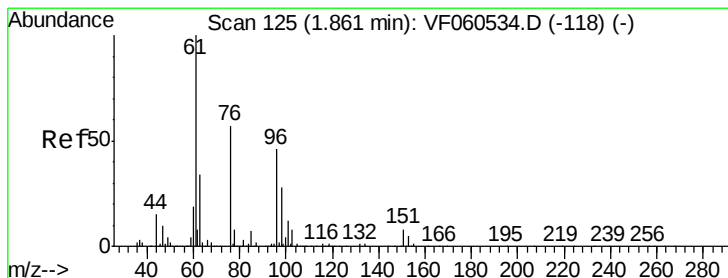
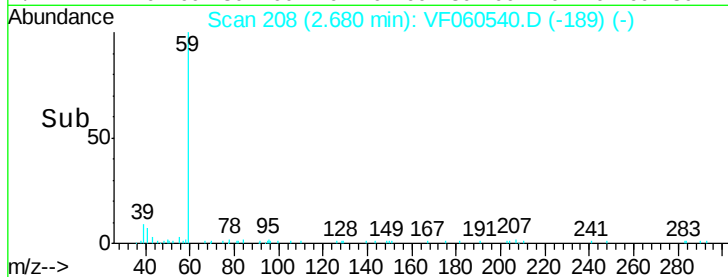
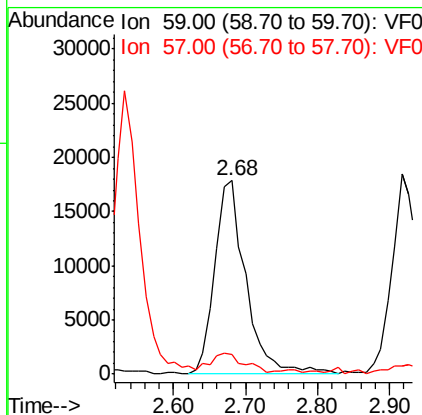
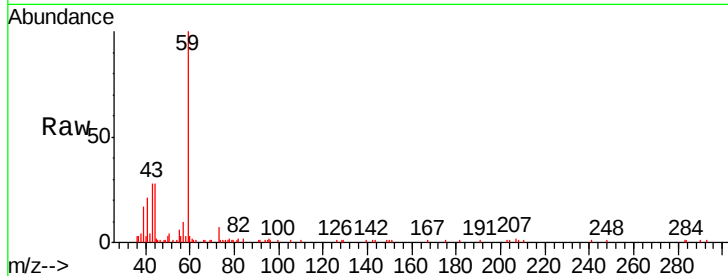
Tert butyl alcohol
Concen: 284.91 ug/l
RT: 2.68 min Scan# 208
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.9	13.3

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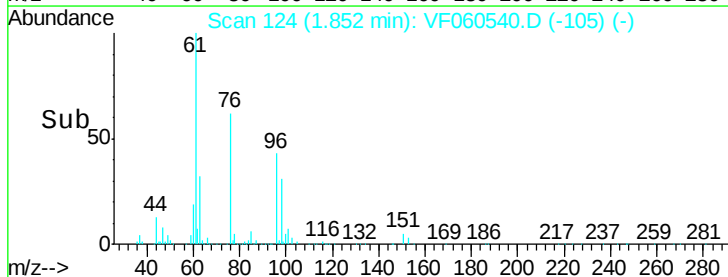
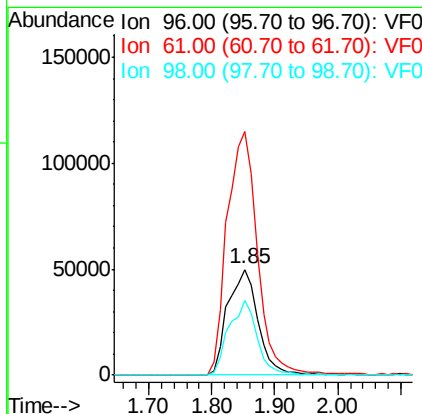
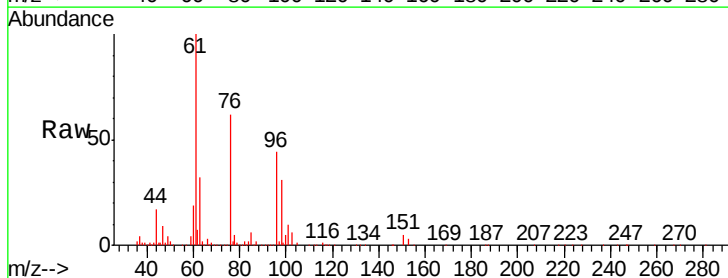
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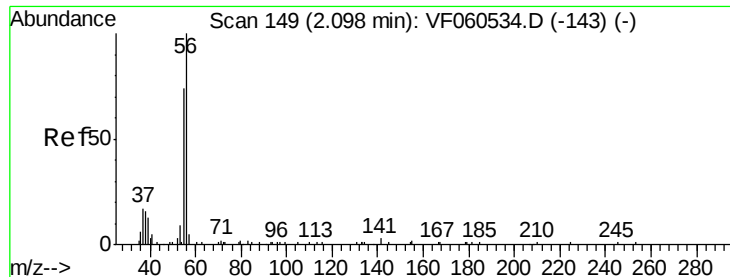


#12

1,1-Dichloroethene
Concen: 47.74 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	229.6	175.4	263.2
98	70.2	48.9	73.3





#13

Acrolein

Concen: 267.87 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 46504

Ion Ratio Lower Upper

56 100

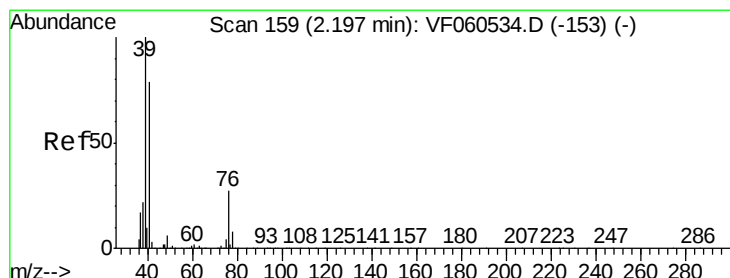
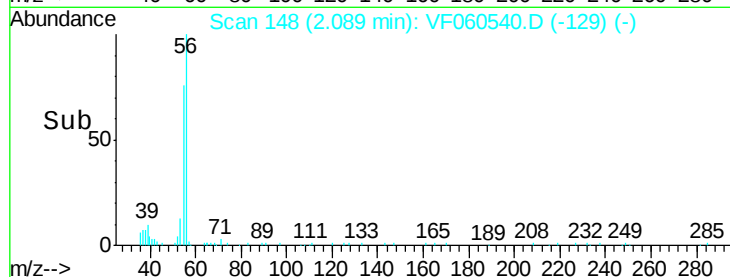
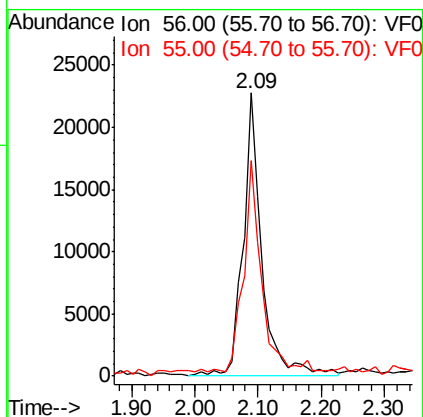
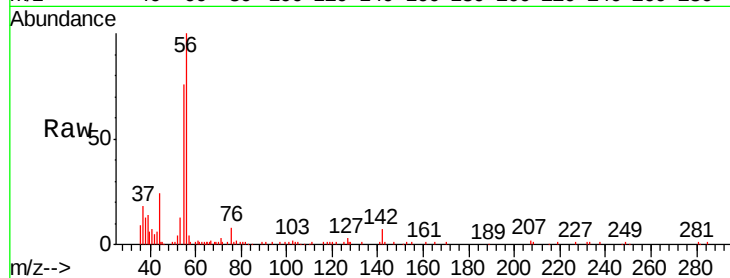
55 76.3 60.4 90.6

Manual Integrations

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#14

Allyl chloride

Concen: 52.15 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

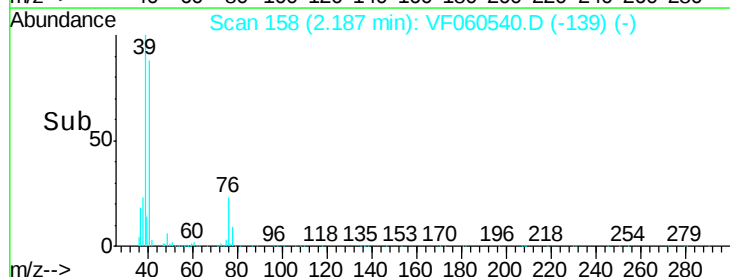
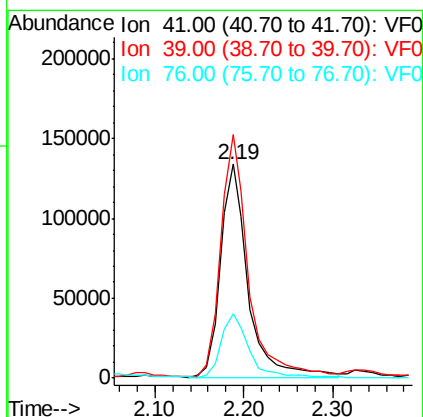
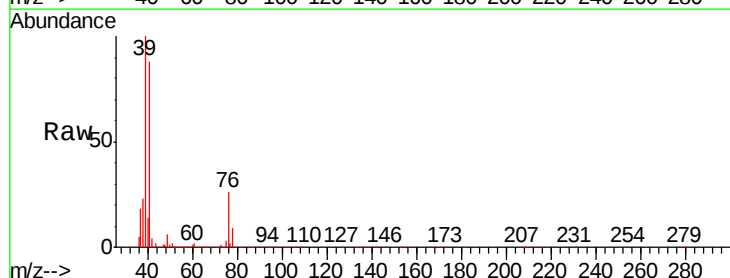
Tgt Ion: 41 Resp: 288907

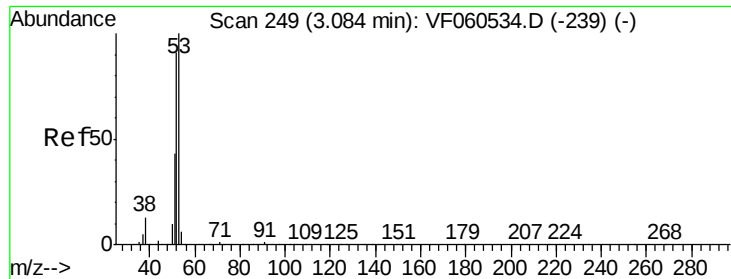
Ion Ratio Lower Upper

41 100

39 113.8 100.6 151.0

76 30.1 27.6 41.4





#15

Acrylonitrile

Concen: 229.28 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

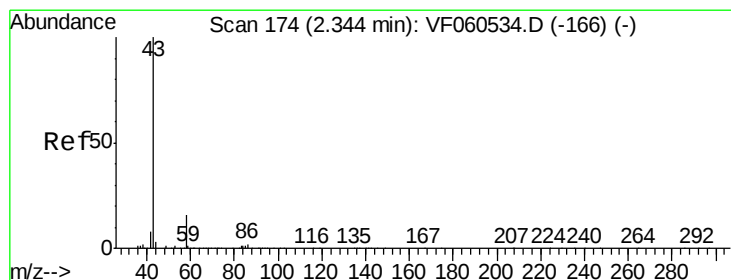
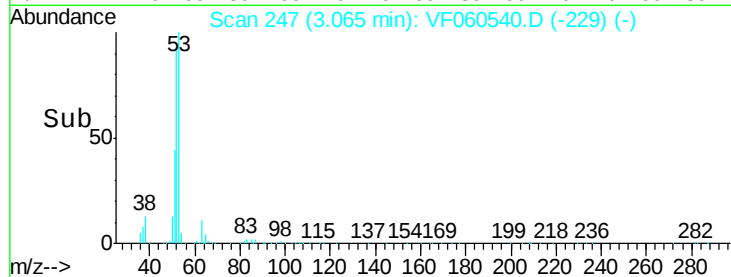
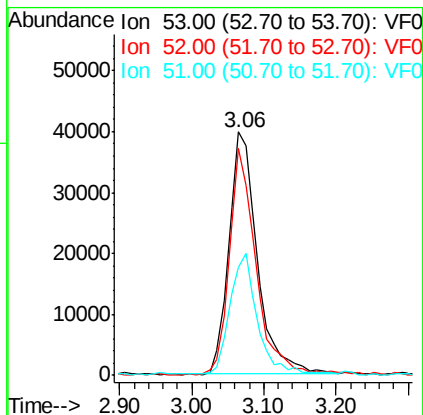
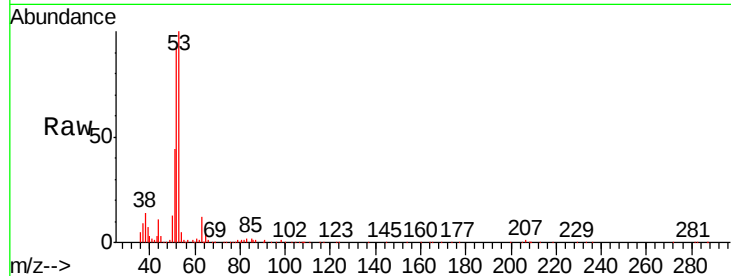
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	109635
Ion	Ratio	Lower	Upper
53	100		
52	93.1	73.2	109.8
51	44.5	35.0	52.4

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#16

Acetone

Concen: 263.26 ug/l

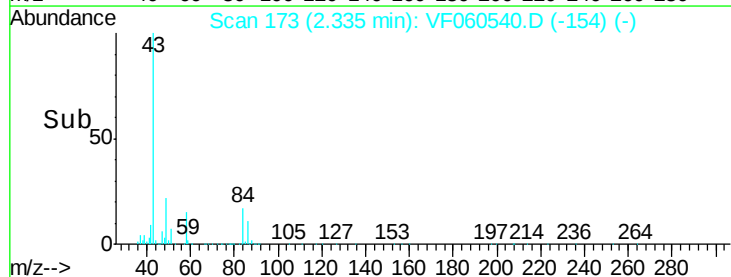
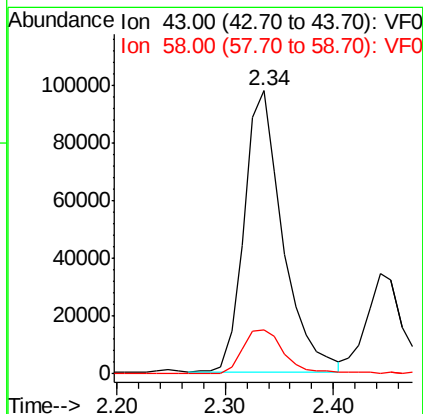
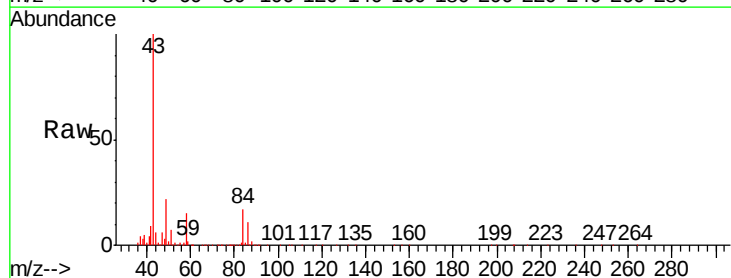
RT: 2.34 min Scan# 173

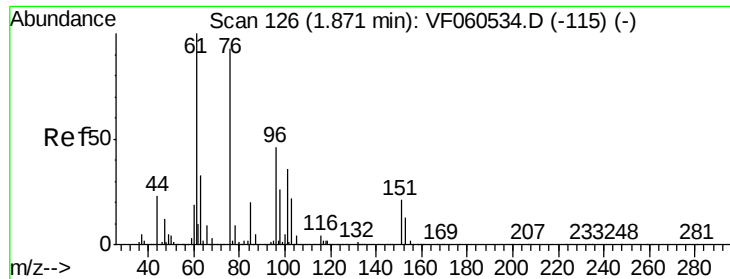
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	43	Resp:	241656
Ion	Ratio	Lower	Upper
43	100		
58	15.4	12.8	19.2





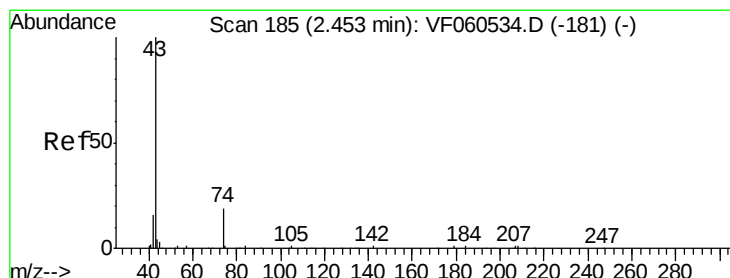
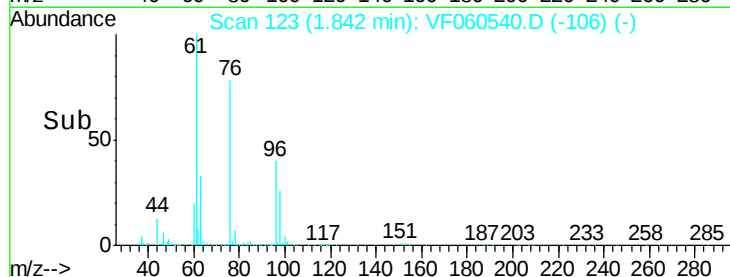
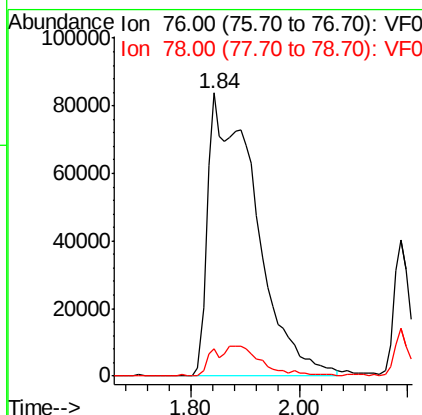
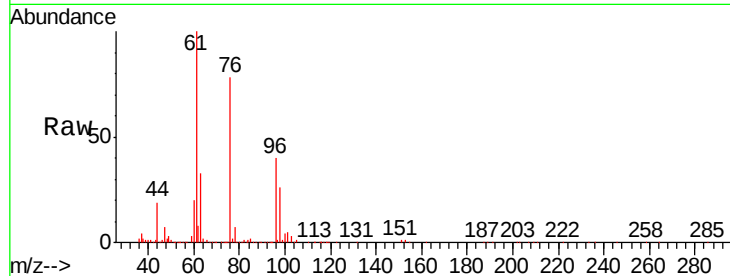
#17
Carbon Disulfide
Concen: 52.29 ug/l m
RT: 1.84 min Scan# 123
Delta R.T. -0.03 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 511982
Ion Ratio Lower Upper
76 100
78 9.6 8.0 12.0

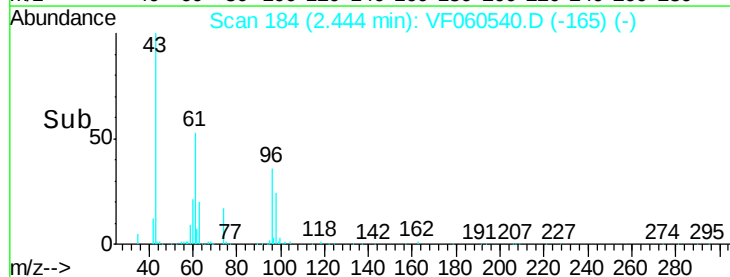
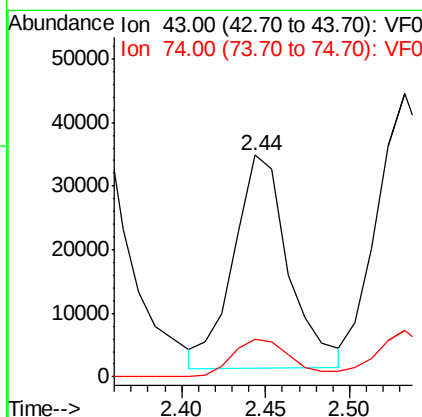
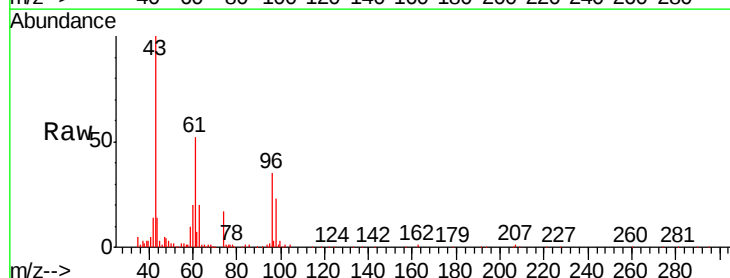
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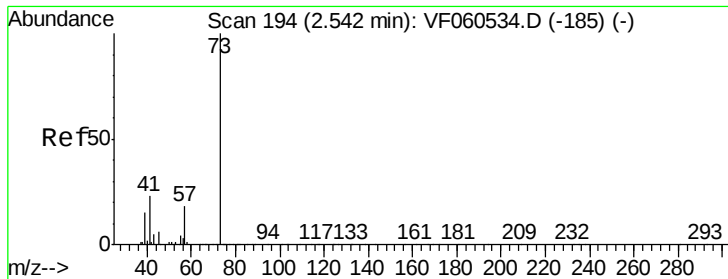
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#18
Methyl Acetate
Concen: 51.87 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion: 43 Resp: 76284
Ion Ratio Lower Upper
43 100
74 17.0 13.5 20.3





#19

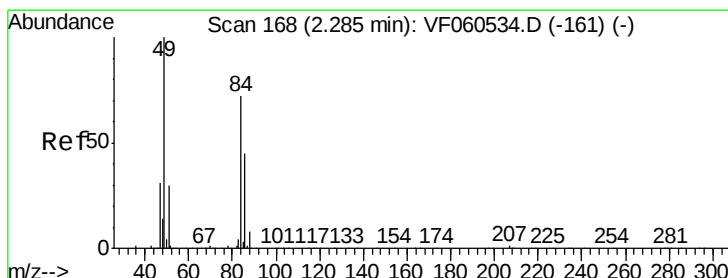
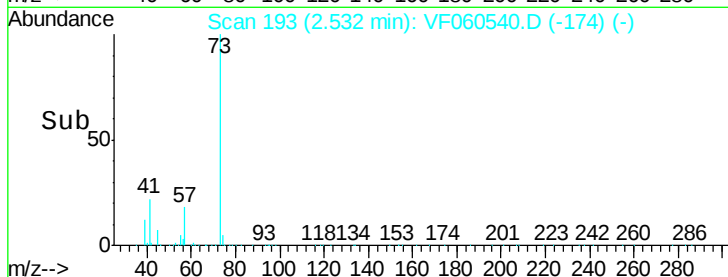
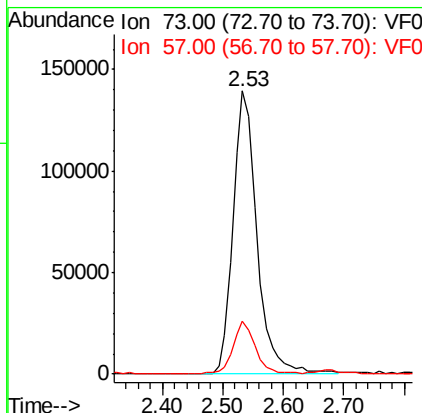
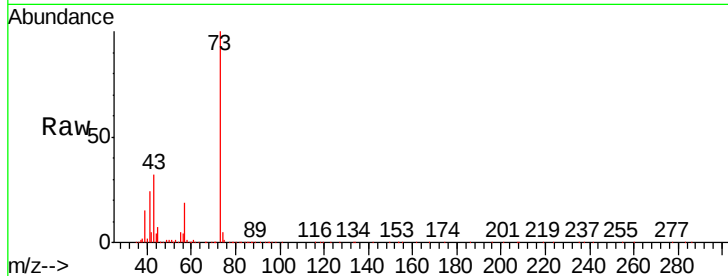
Methyl tert-butyl Ether
Concen: 49.25 ug/l
RT: 2.53 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.7	14.7	22.1

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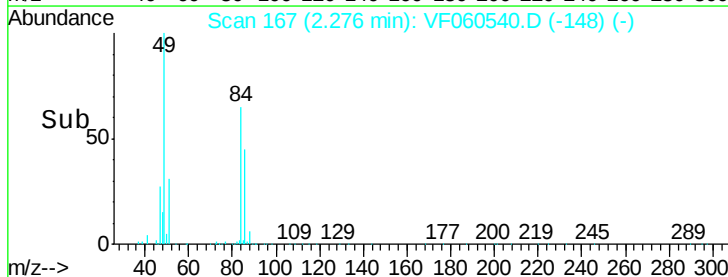
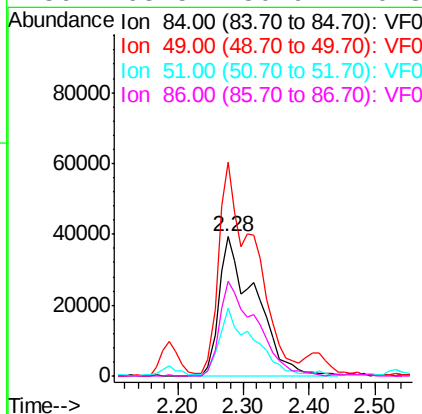
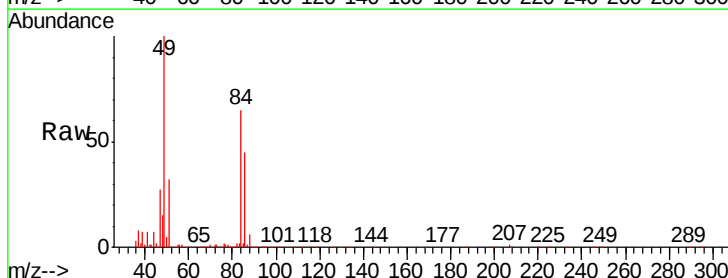
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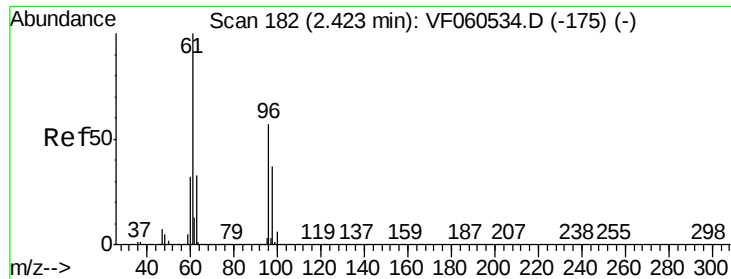


#20

Methylene Chloride
Concen: 48.35 ug/l
RT: 2.28 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.7	115.4	173.0
51	48.7	35.4	53.2
86	68.5	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 48.98 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF060540.D

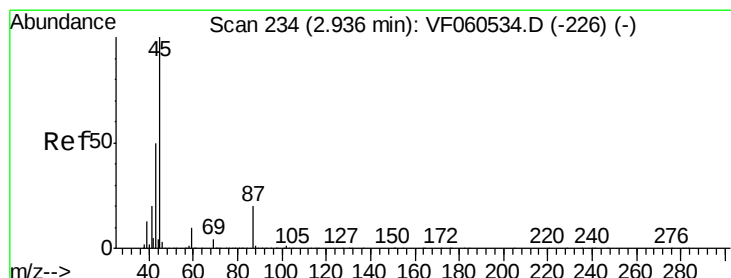
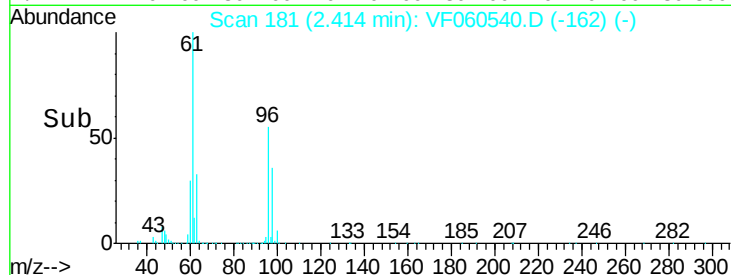
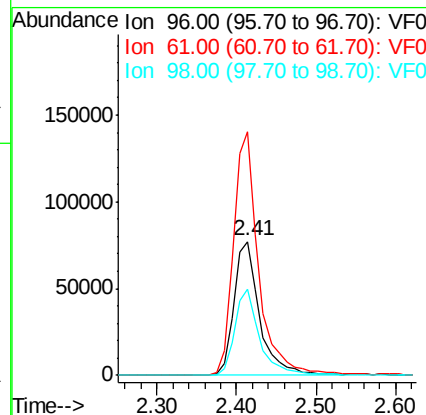
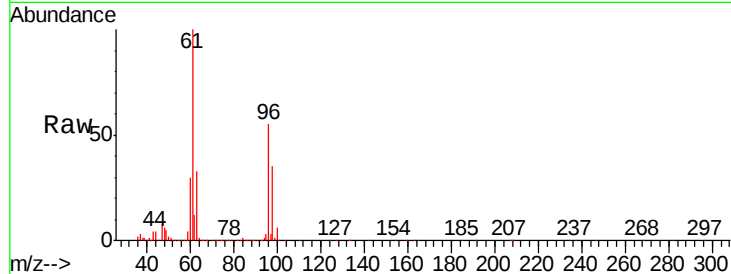
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:	96	Resp:	174522
Ion	Ratio	Lower	Upper
96	100		
61	182.3	139.8	209.6
98	64.5	52.2	78.4

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#22

Diisopropyl ether

Concen: 52.58 ug/l

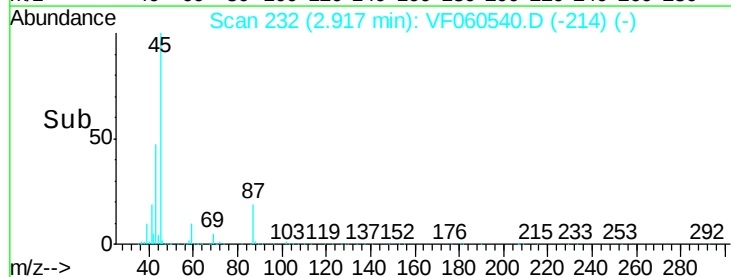
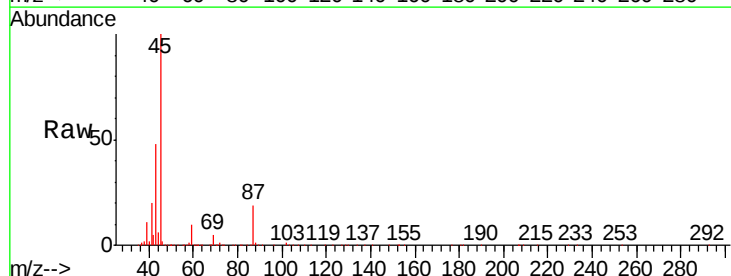
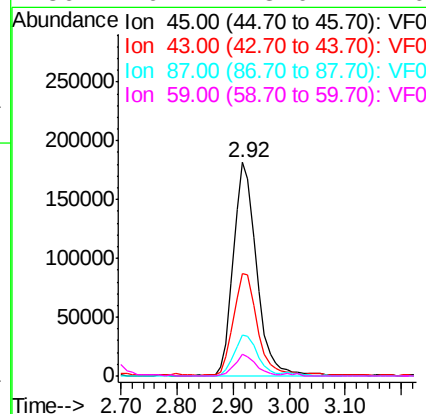
RT: 2.92 min Scan# 232

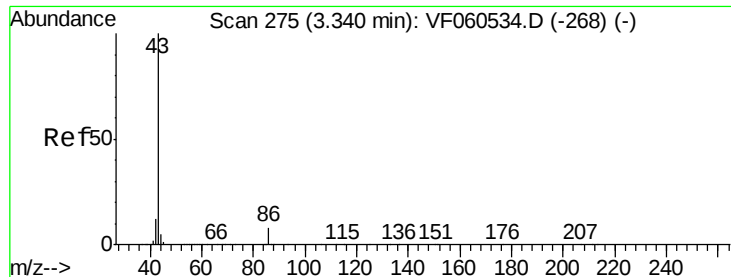
Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	45	Resp:	529106
Ion	Ratio	Lower	Upper
45	100		
43	47.7	40.6	60.8
87	19.3	15.9	23.9
59	10.2	8.0	12.0





#23

Vinyl Acetate

Concen: 241.77 ug/l

RT: 3.33 min Scan# 274

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

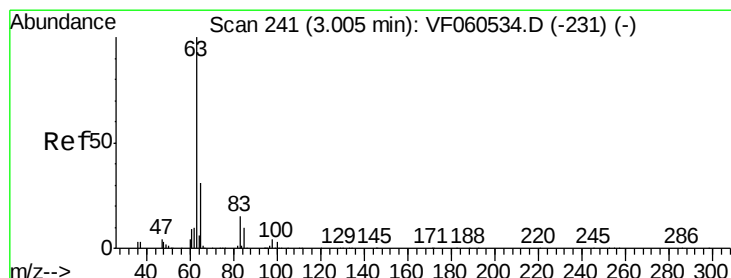
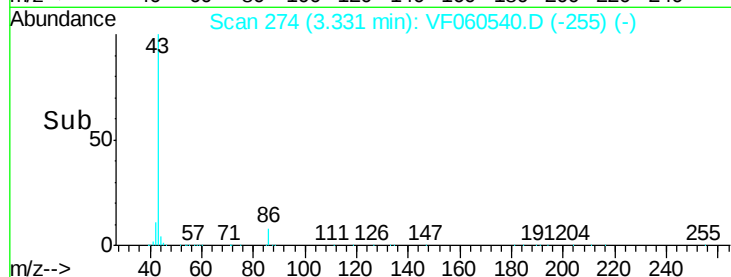
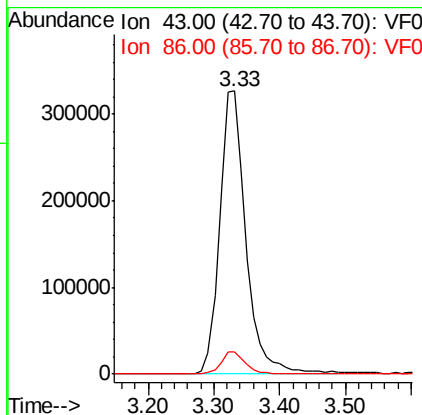
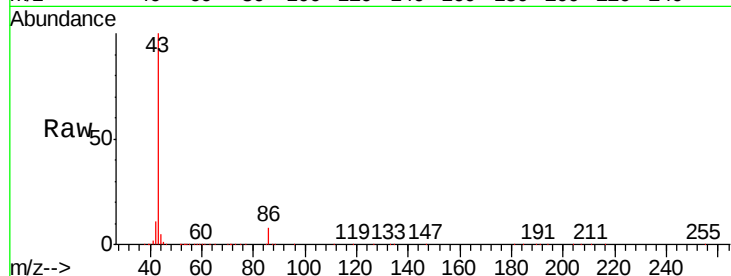
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	902444
Ion Ratio	Lower	Upper	
43	100		
86	8.0	6.2	9.2

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#24

1,1-Dichloroethane

Concen: 48.03 ug/l

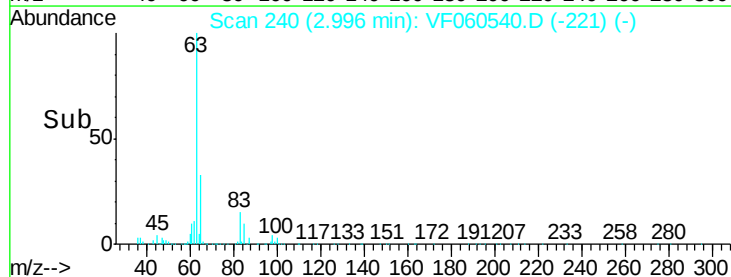
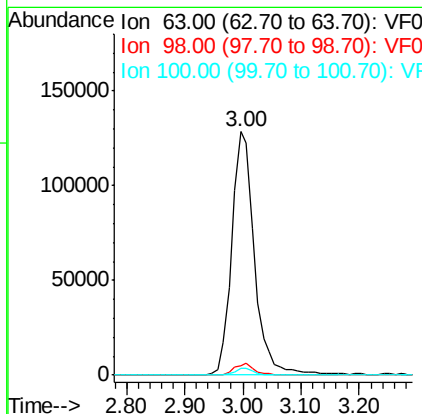
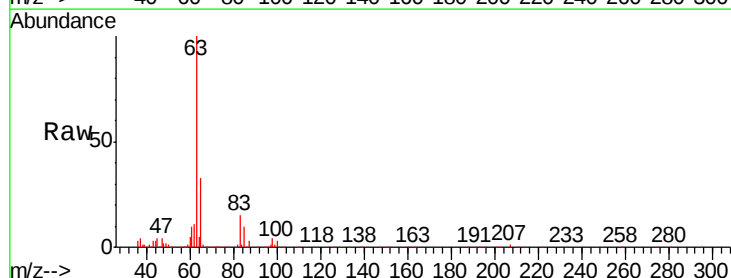
RT: 3.00 min Scan# 240

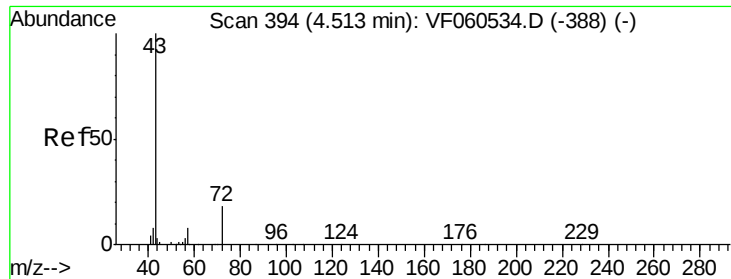
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	63	Resp:	348743
Ion Ratio	Lower	Upper	
63	100		
98	3.9	2.0	6.0
100	2.7	1.4	4.0





#25

2-Butanone

Concen: 240.11 ug/l

RT: 4.50 min Scan# 393

Delta R.T. -0.01 min

Lab File: VF060540.D

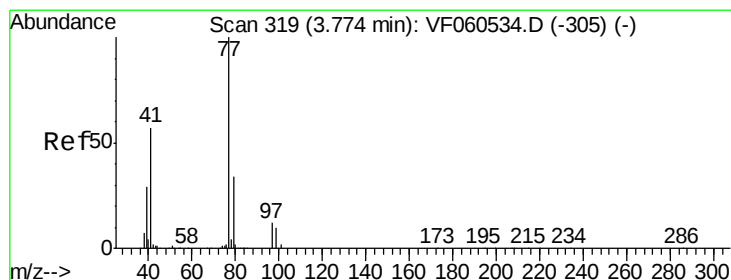
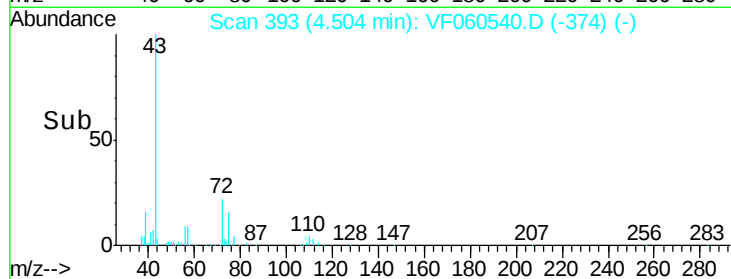
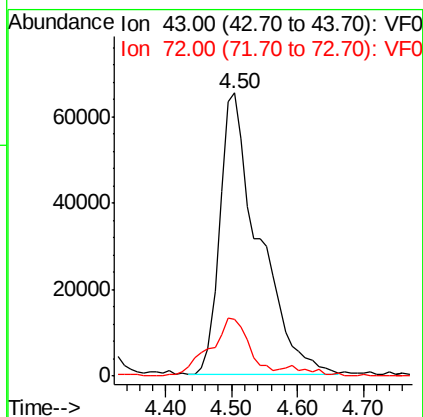
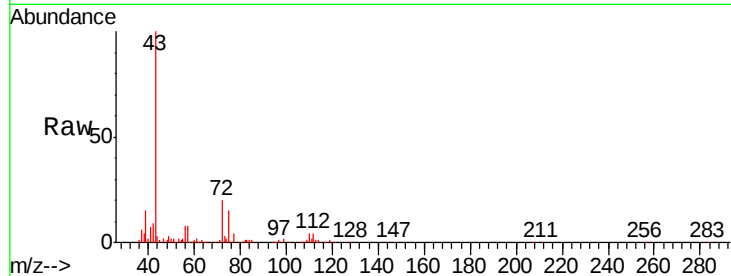
Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.2	17.4	26.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 48.65 ug/l

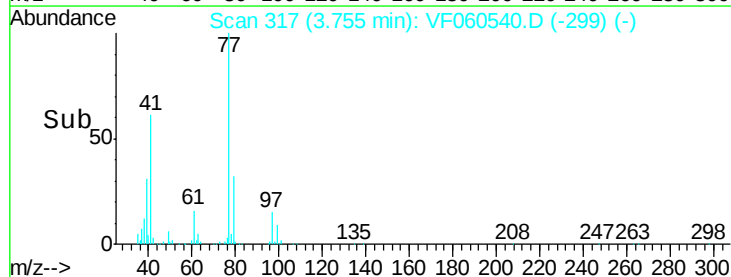
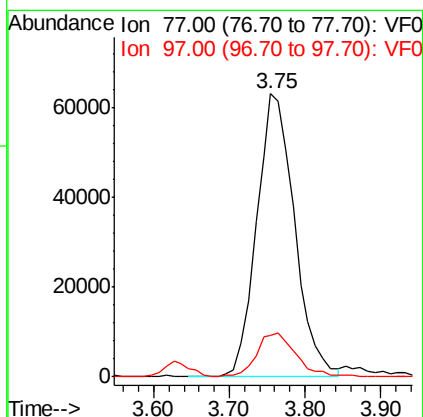
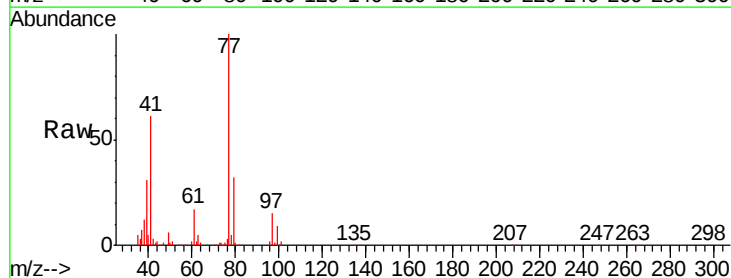
RT: 3.75 min Scan# 317

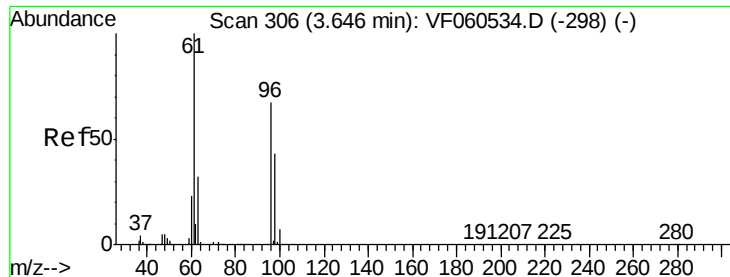
Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
77	100		
97	14.6	8.5	25.5





#27

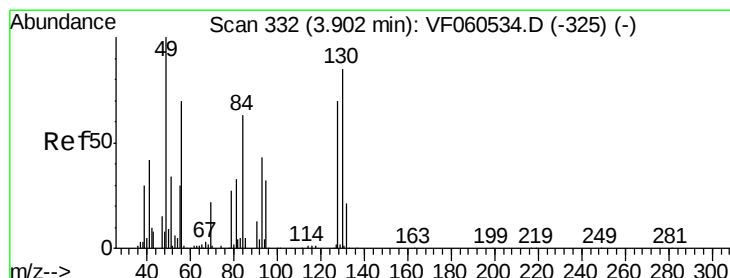
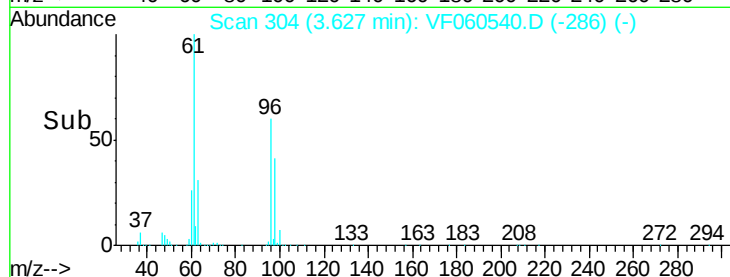
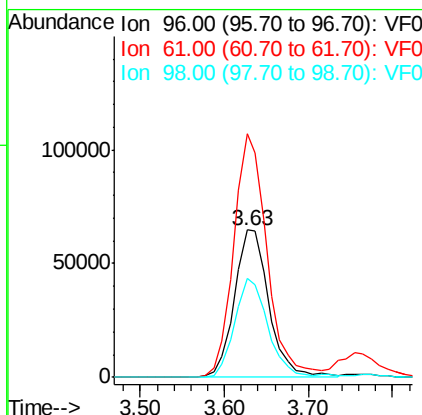
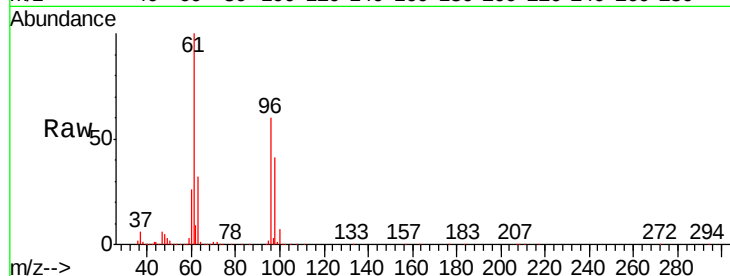
cis-1,2-Dichloroethene
Concen: 43.17 ug/l
RT: 3.63 min Scan# 304
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	185509		
61	165.6	0.0	300.8	
98	67.1	0.0	128.4	

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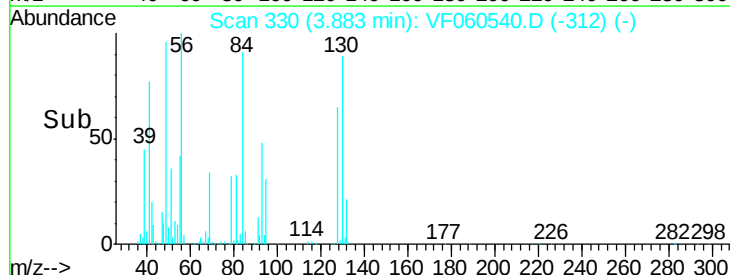
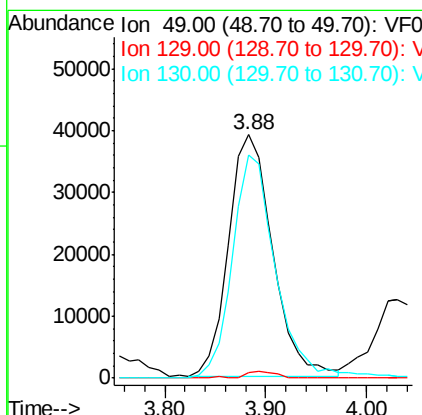
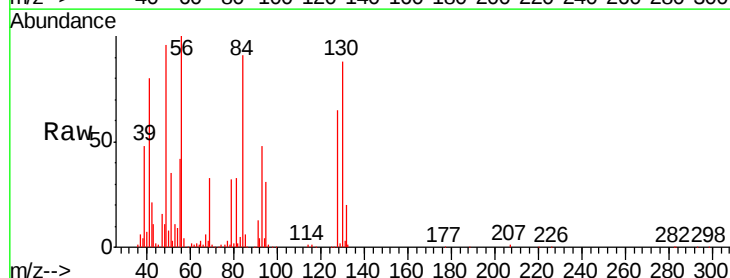
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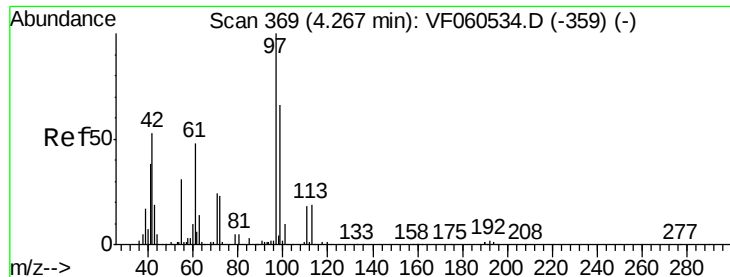


#28

Bromochloromethane
Concen: 45.59 ug/l
RT: 3.88 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	119253		
129	2.0	0.0	4.8	
130	91.8	67.5	101.3	





#29

Tetrahydrofuran

Concen: 231.23 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

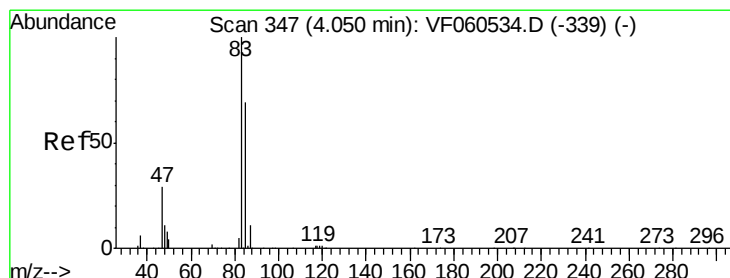
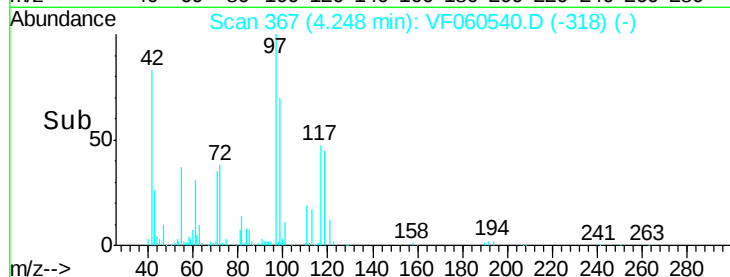
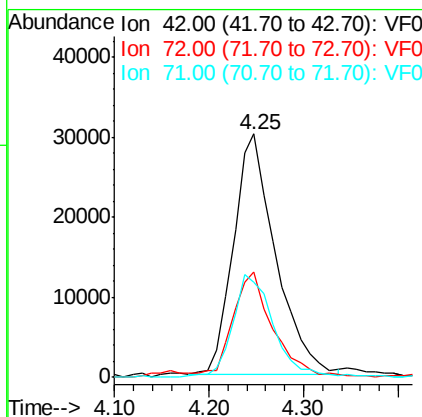
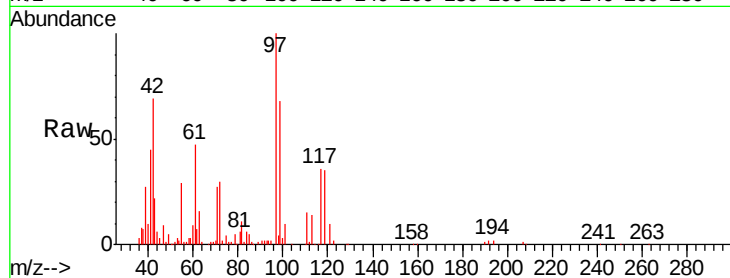
ClientSampleId :

VSTDCCC050

Tgt Ion:	42	Resp:	92818
Ion Ratio	Lower	Upper	
42	100		
72	42.0	32.5	48.7
71	41.5	34.5	51.7

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#30

Chloroform

Concen: 46.56 ug/l

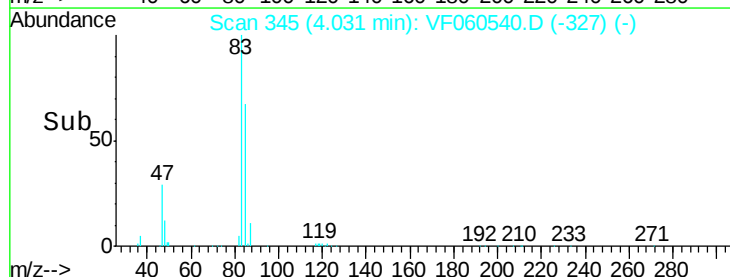
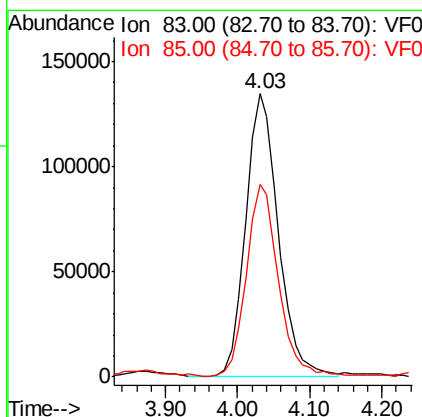
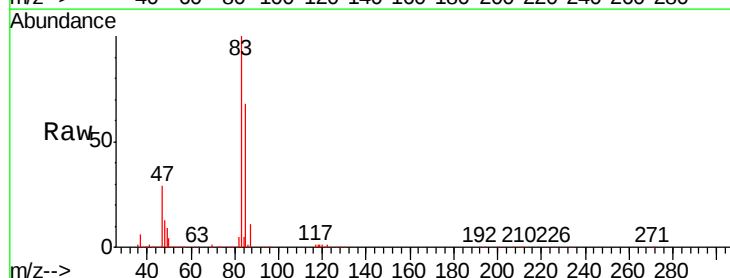
RT: 4.03 min Scan# 345

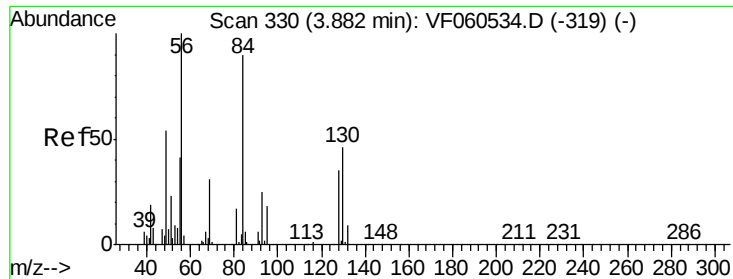
Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	83	Resp:	426996
Ion Ratio	Lower	Upper	
83	100		
85	67.8	55.0	82.4





#31

Cyclohexane

Concen: 46.08 ug/l

RT: 3.87 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

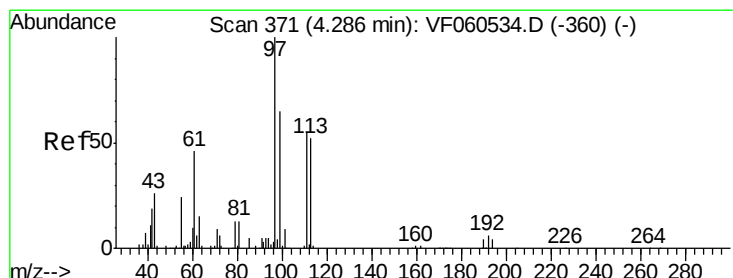
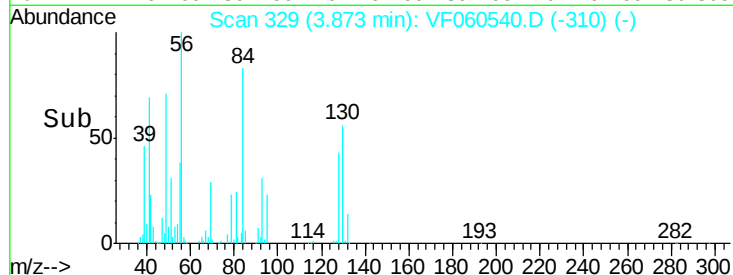
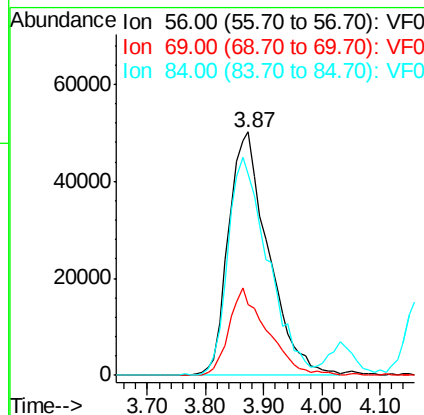
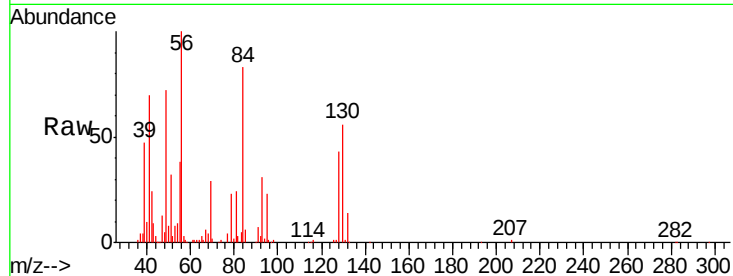
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	238932
Ion Ratio	Lower	Upper	
56	100		
69	29.0	25.0	37.6
84	82.7	72.1	108.1

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#32

1,1,1-Trichloroethane

Concen: 48.45 ug/l

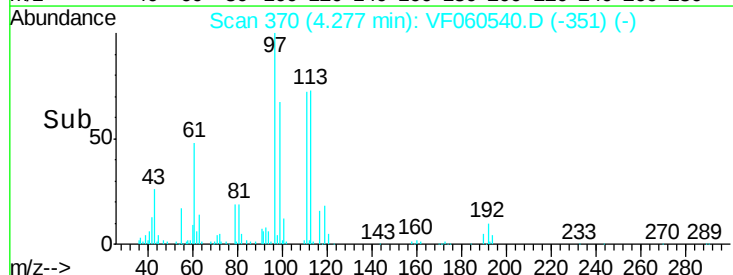
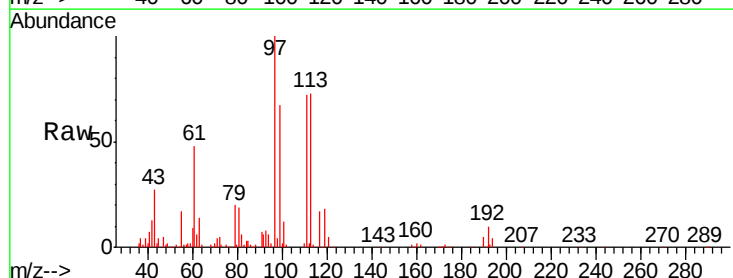
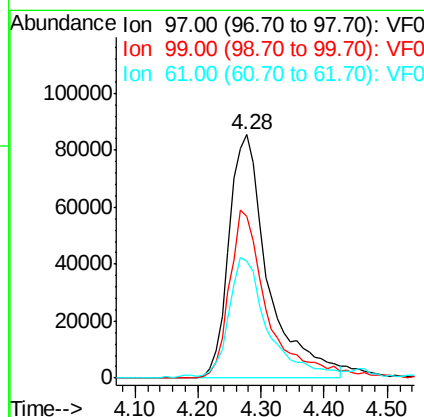
RT: 4.28 min Scan# 370

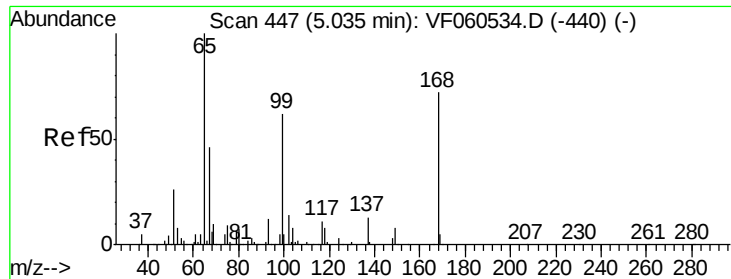
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	97	Resp:	367340
Ion Ratio	Lower	Upper	
97	100		
99	66.6	51.7	77.5
61	48.0	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 49.23 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060540.D

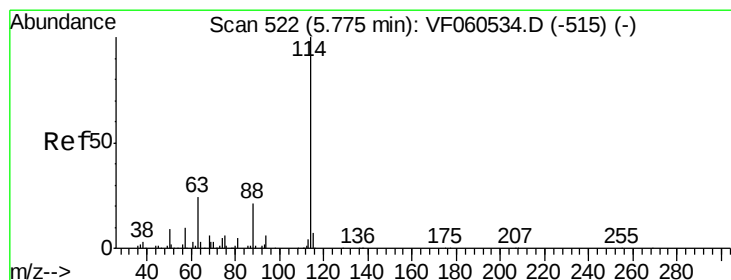
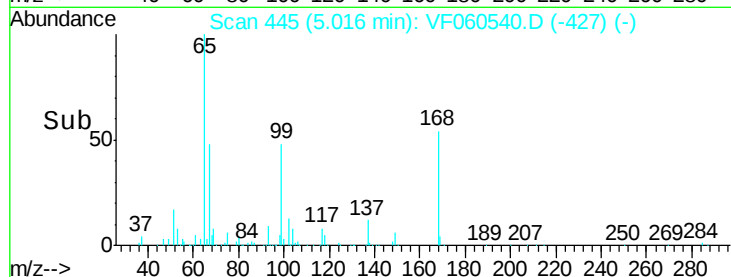
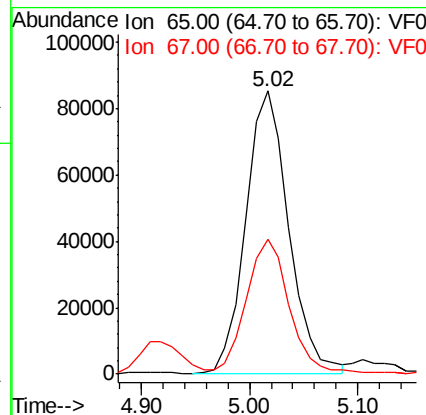
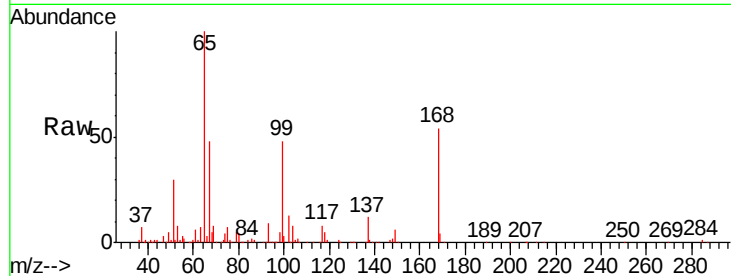
Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	235425		
67	47.7	0.0	94.4	

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

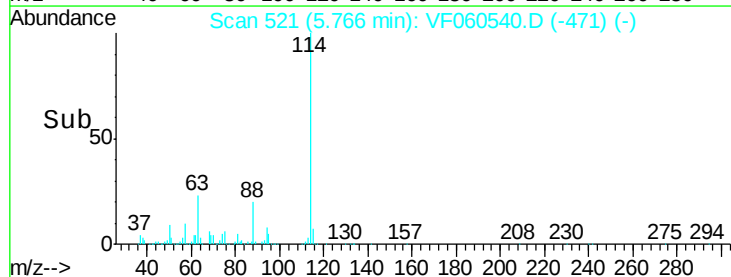
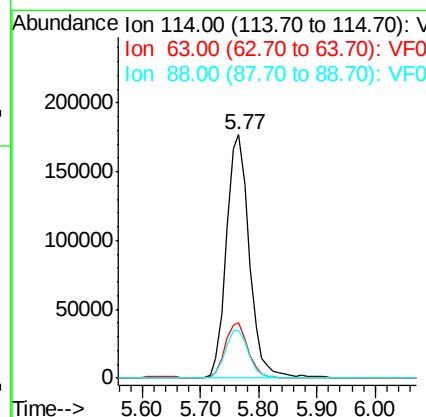
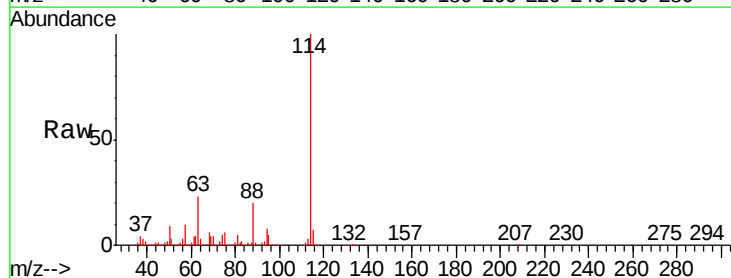
RT: 5.77 min Scan# 521

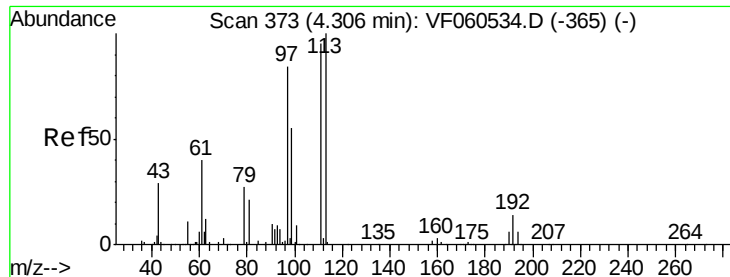
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	484089		
63	23.0	0.0	48.0	
88	19.9	0.0	42.0	





#35

Dibromofluoromethane

Concen: 49.26 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

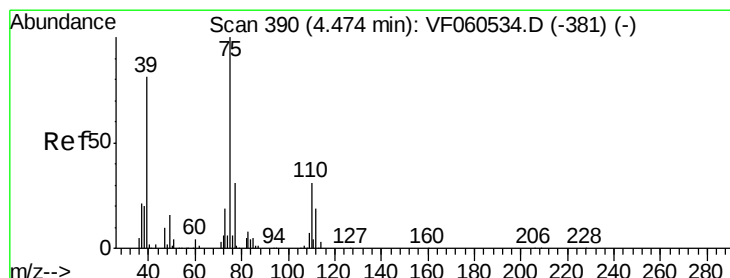
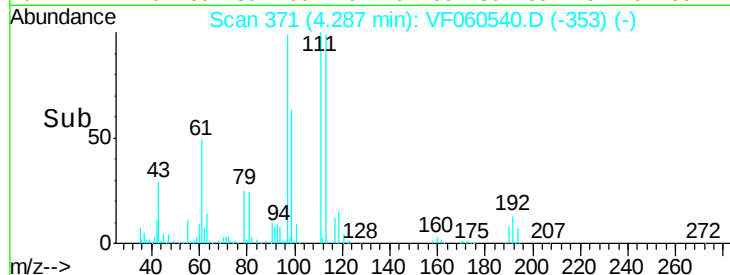
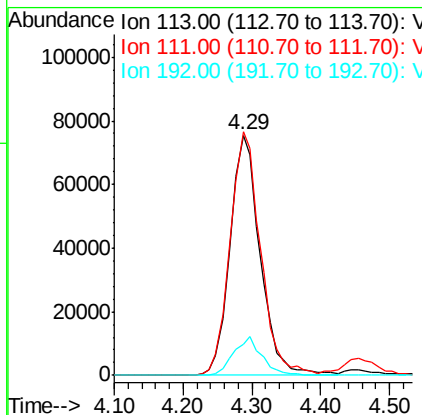
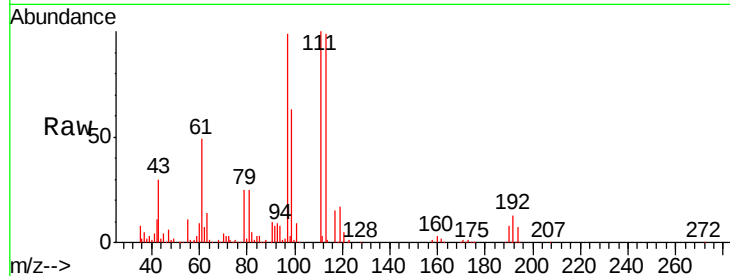
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	228831
Ion Ratio	Lower	Upper	
113	100		
111	101.4	75.9	113.9
192	13.1	11.2	16.8

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#36

1,1-Dichloropropene

Concen: 46.39 ug/l

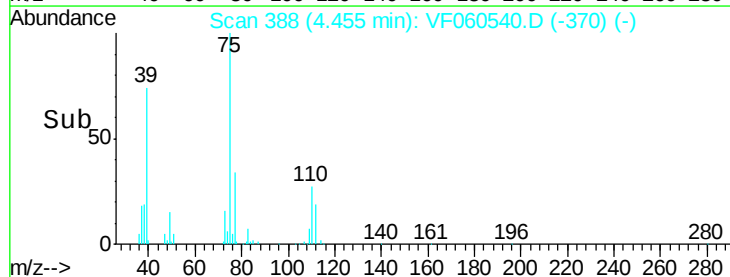
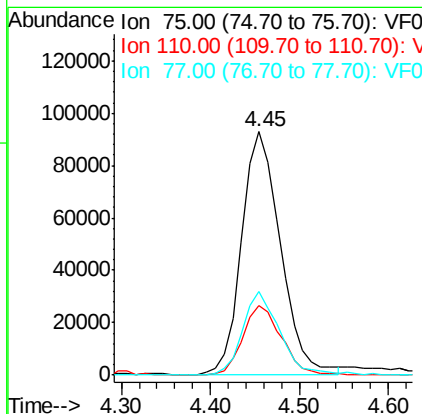
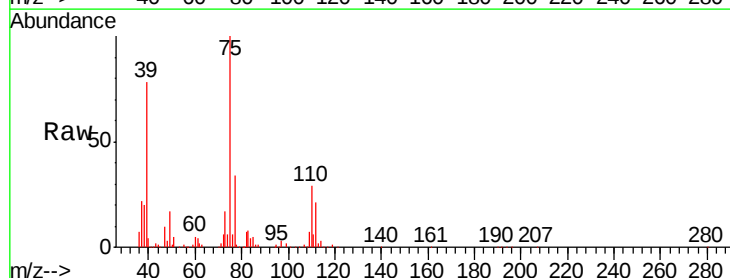
RT: 4.45 min Scan# 388

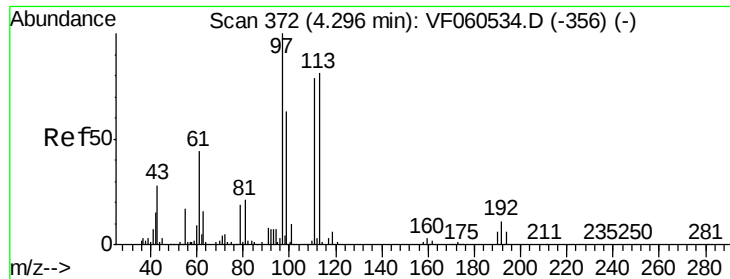
Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	75	Resp:	279801
Ion Ratio	Lower	Upper	
75	100		
110	28.5	15.3	45.8
77	34.2	24.8	37.2





#37

Ethyl Acetate

Concen: 44.93 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

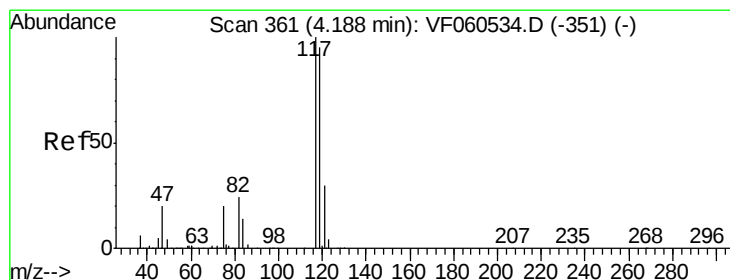
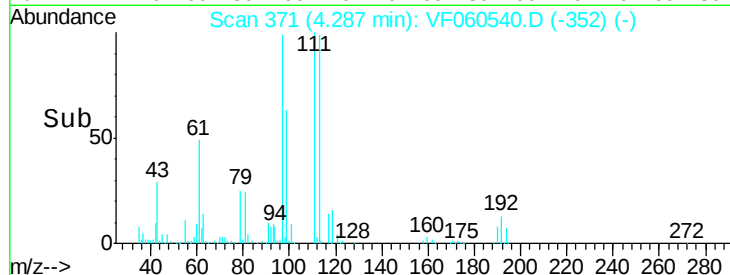
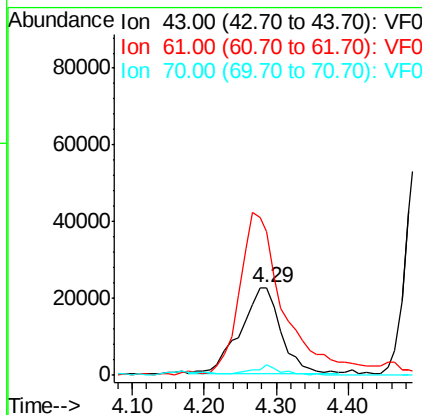
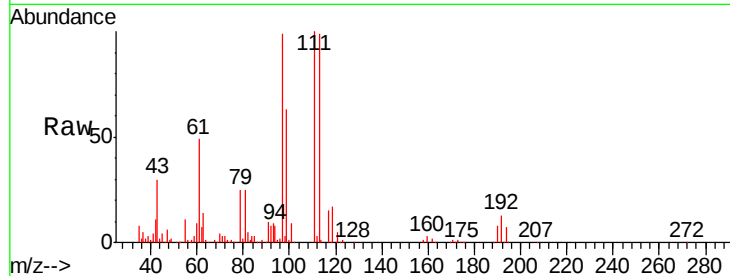
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	87722
Ion Ratio	Lower	Upper	
43	100		
61	163.5	123.9	185.9
70	11.8	7.3	10.9#

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#38

Carbon Tetrachloride

Concen: 49.24 ug/l m

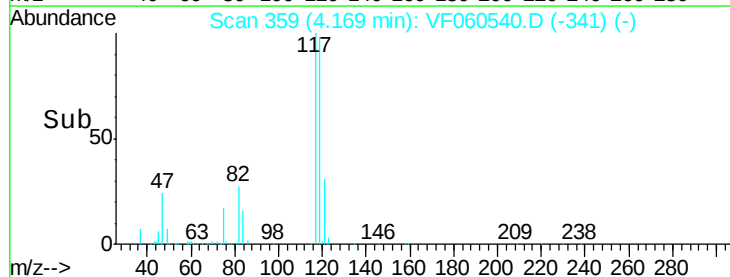
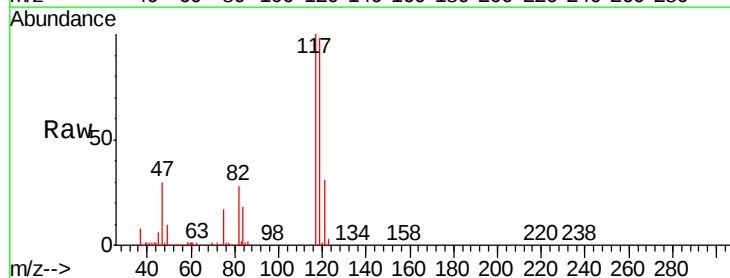
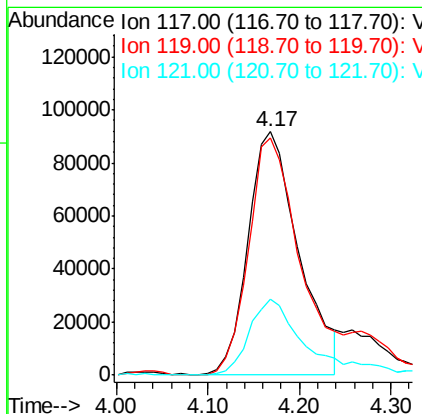
RT: 4.17 min Scan# 359

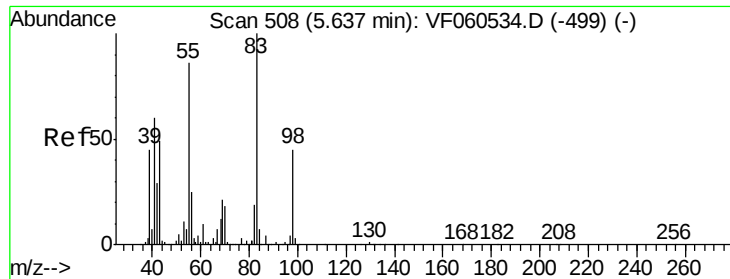
Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	117	Resp:	355607
Ion Ratio	Lower	Upper	
117	100		
119	97.6	76.5	114.7
121	31.4	24.3	36.5





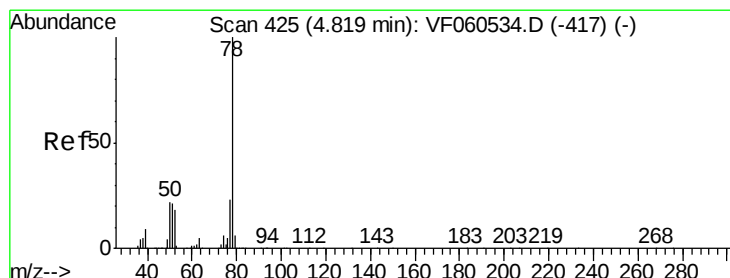
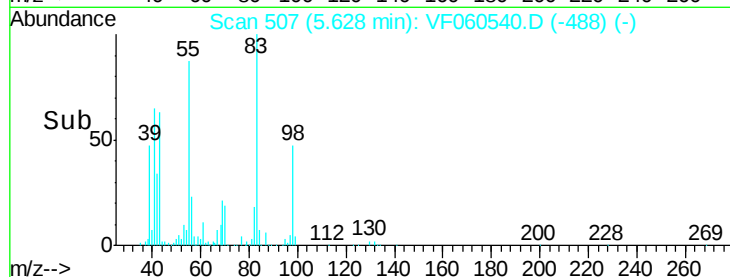
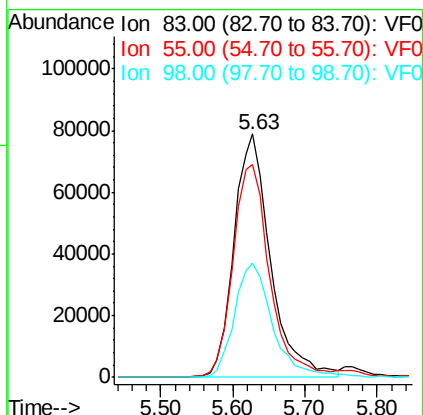
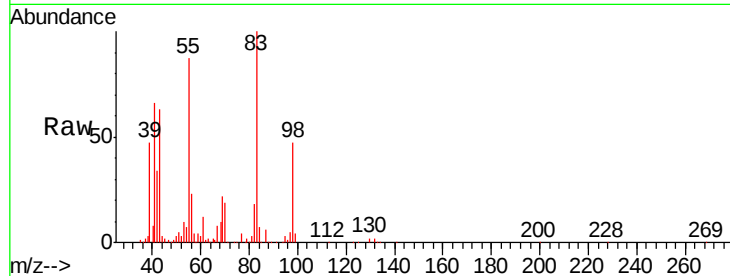
#39
Methylcyclohexane
Concen: 45.84 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.5	69.0	103.4
98	47.1	36.1	54.1

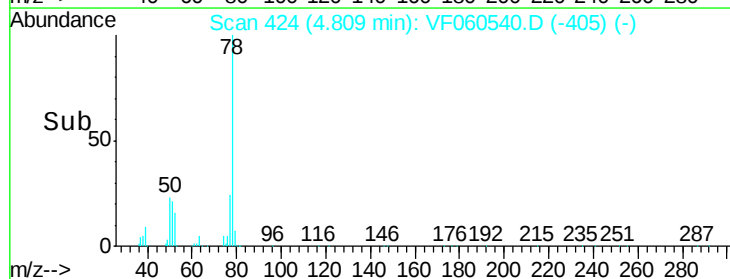
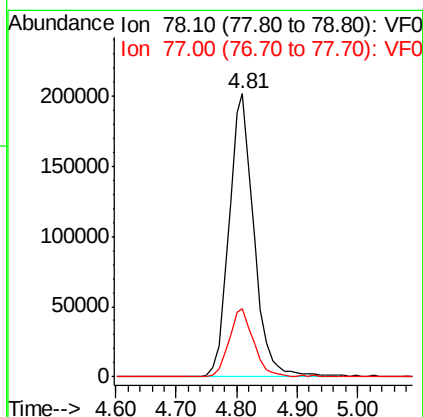
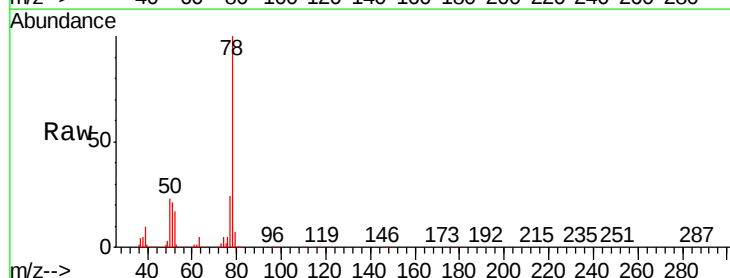
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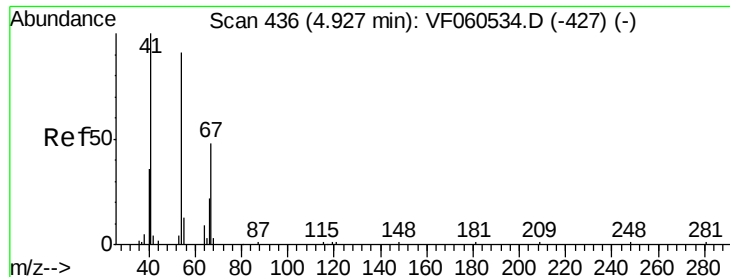
apatel
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#40
Benzene
Concen: 47.76 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7





#41

Methacrylonitrile

Concen: 46.91 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

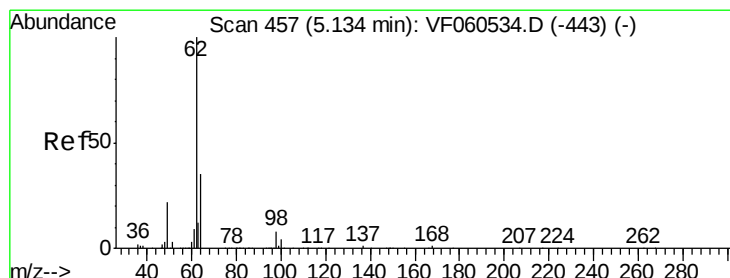
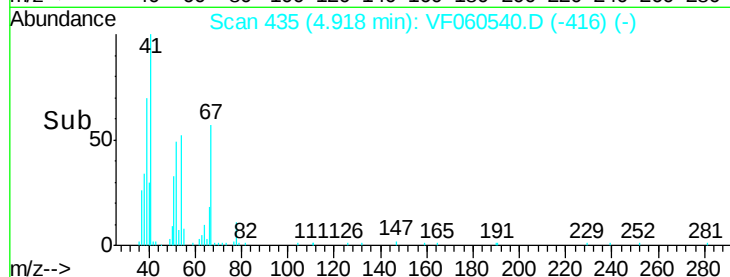
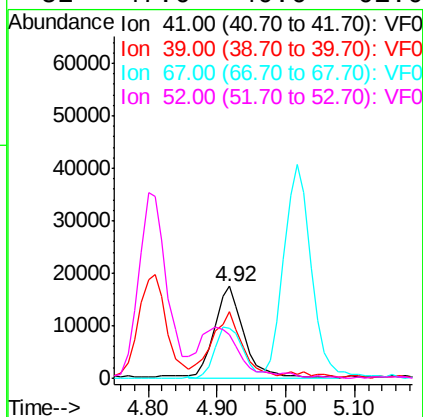
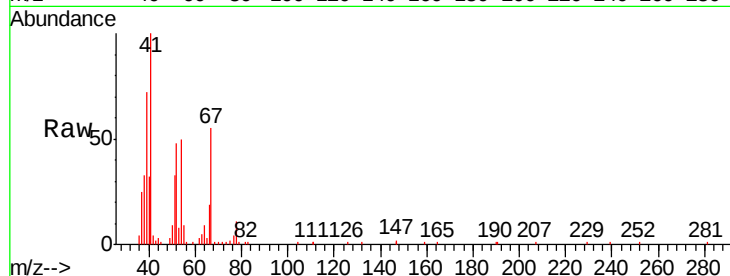
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.4	51.0	76.6
67	55.0	38.0	57.0
52	47.6	40.6	61.0

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#42

1,2-Dichloroethane

Concen: 47.36 ug/l

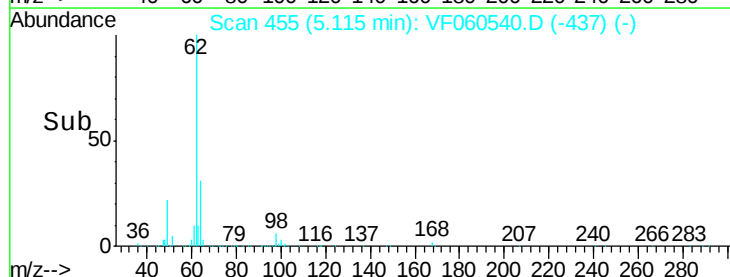
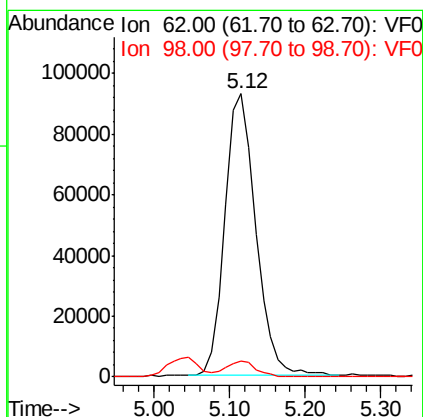
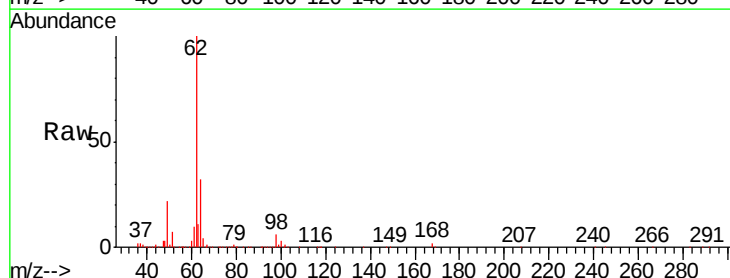
RT: 5.12 min Scan# 455

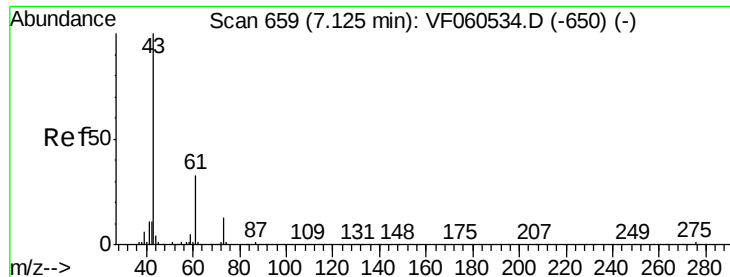
Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.6	0.0	15.8





#43

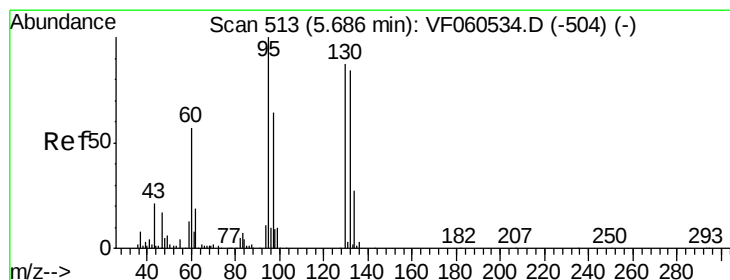
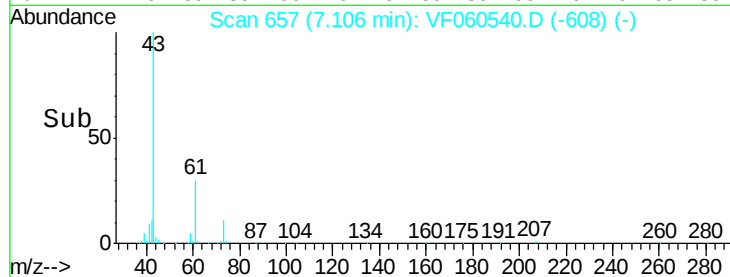
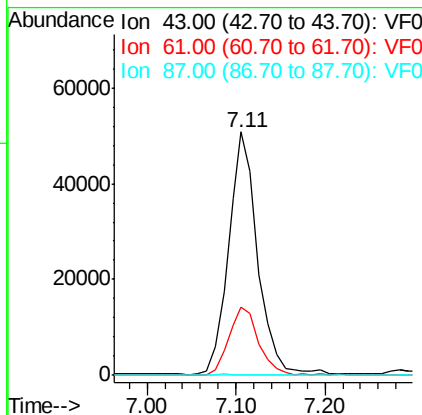
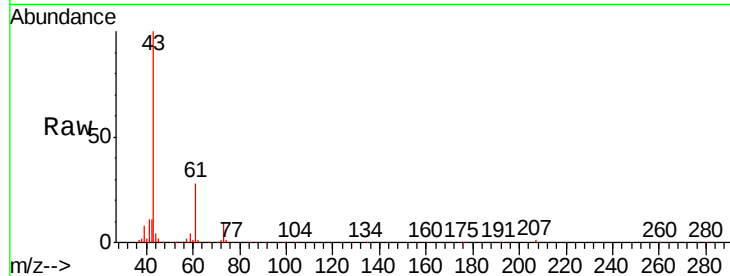
Isopropyl Acetate
 Concen: 48.65 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.1	26.6	40.0
87	0.4	0.6	1.0

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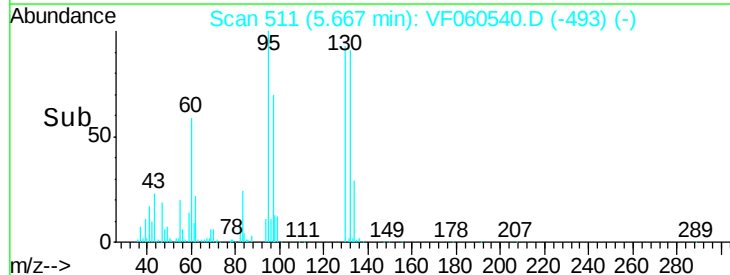
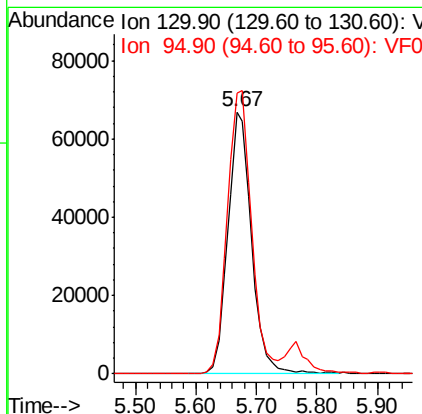
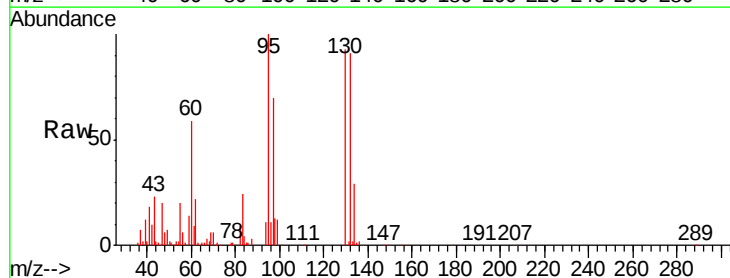
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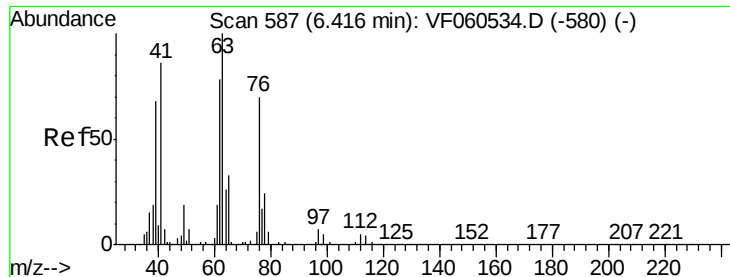


#44

Trichloroethene
 Concen: 46.84 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	229.4





#45

1,2-Dichloropropane

Concen: 48.78 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 145610

Ion Ratio Lower Upper

63 100

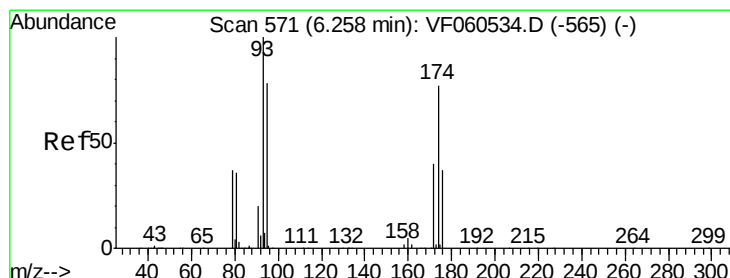
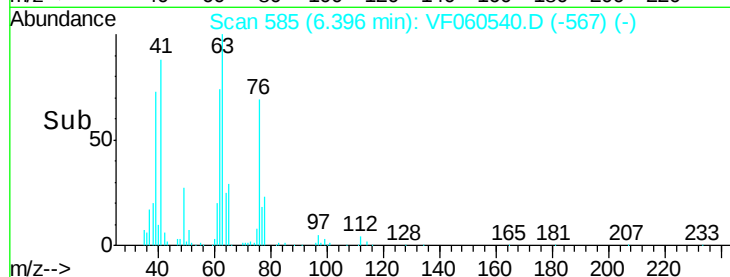
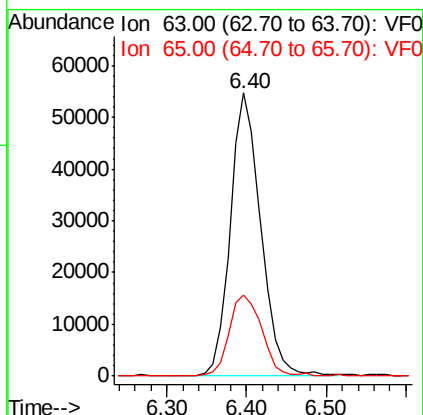
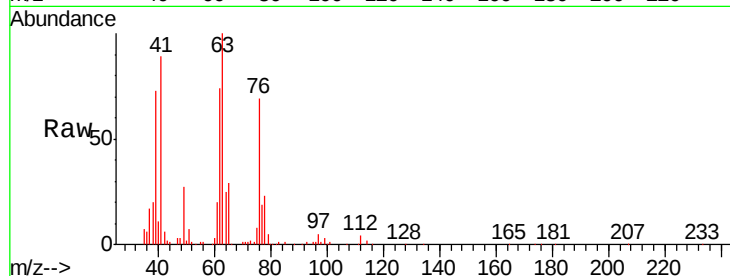
65 28.6 26.5 39.7

Manual Integrations

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#46

Dibromomethane

Concen: 49.58 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

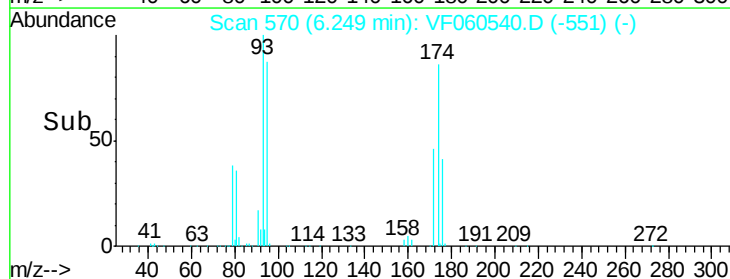
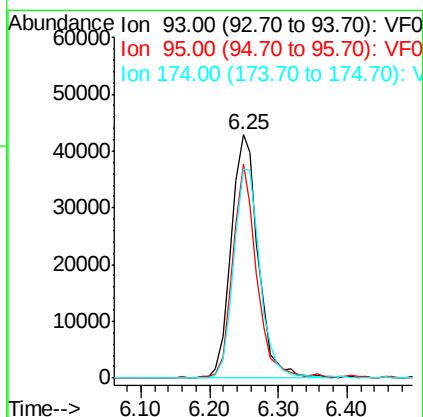
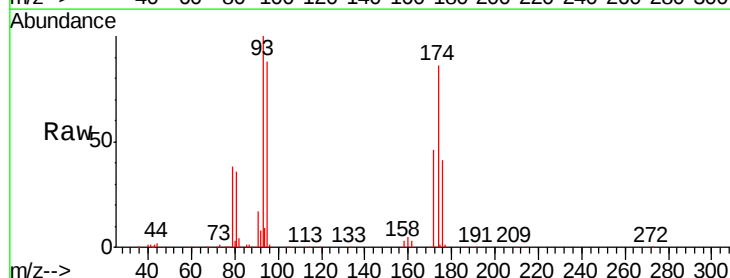
Tgt Ion: 93 Resp: 116229

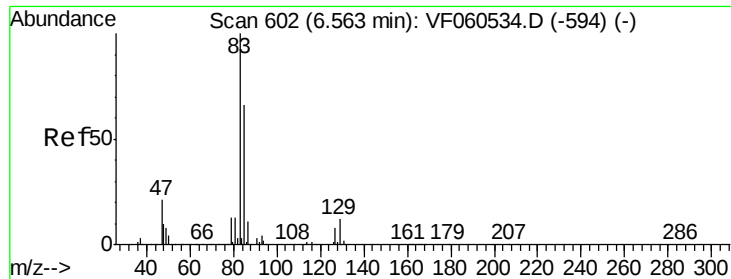
Ion Ratio Lower Upper

93 100

95 87.7 64.3 96.5

174 85.9 63.3 94.9





#47

Bromodichloromethane

Concen: 50.01 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

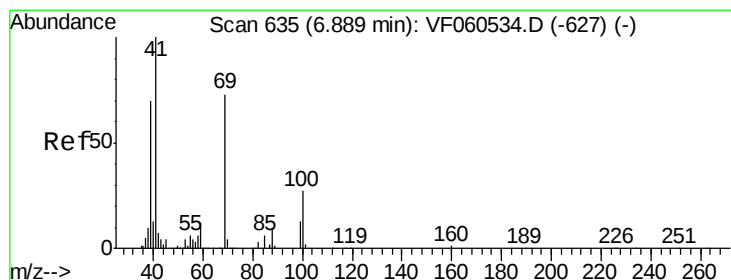
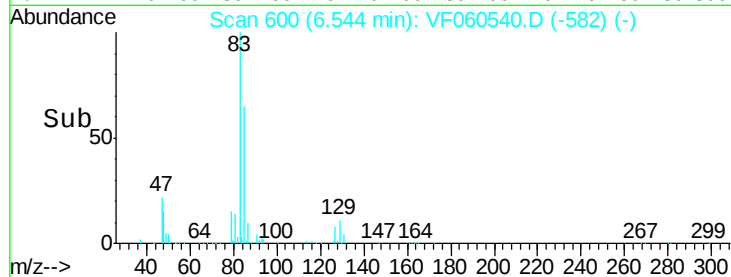
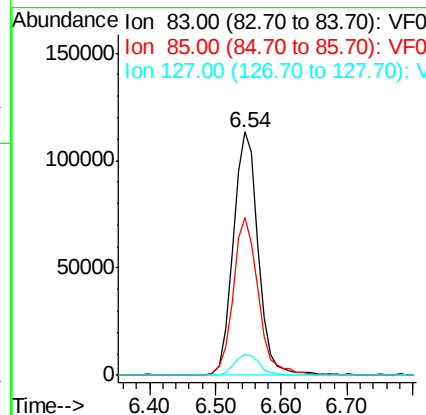
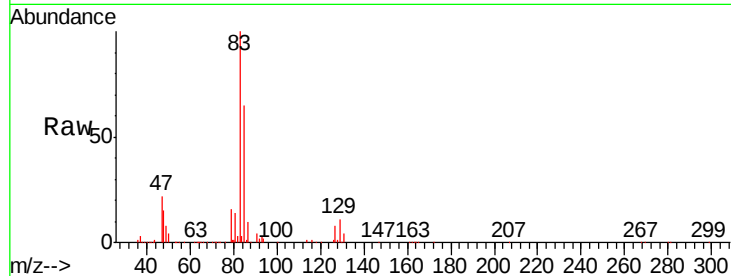
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	300822
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.7	79.1
127	8.4	6.4	9.6

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#48

Methyl methacrylate

Concen: 47.96 ug/l

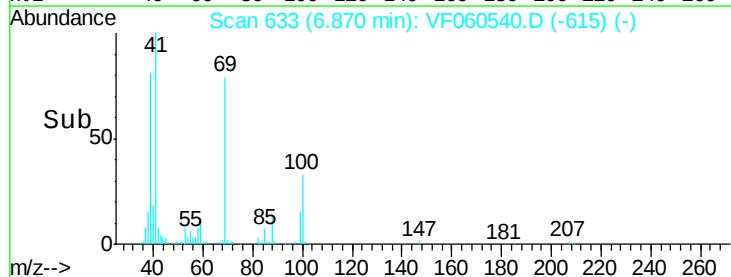
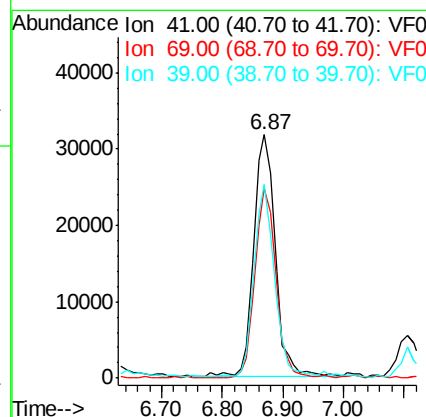
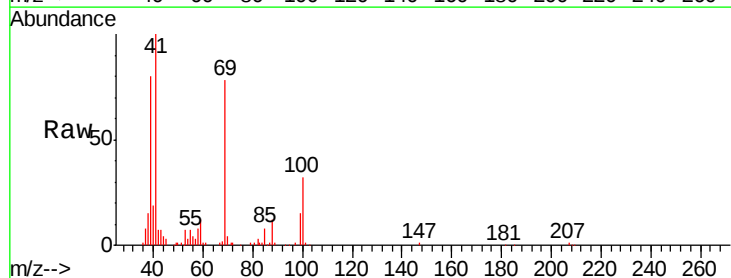
RT: 6.87 min Scan# 633

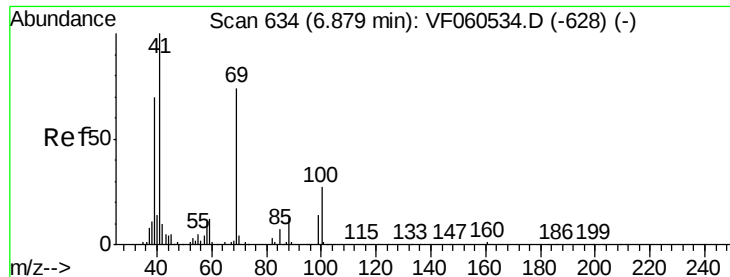
Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	41	Resp:	78183
Ion	Ratio	Lower	Upper
41	100		
69	77.8	58.4	87.6
39	79.6	56.4	84.6





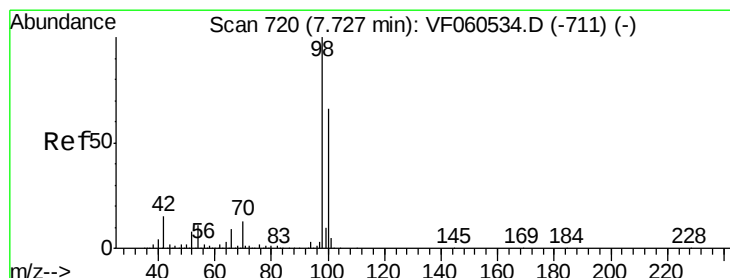
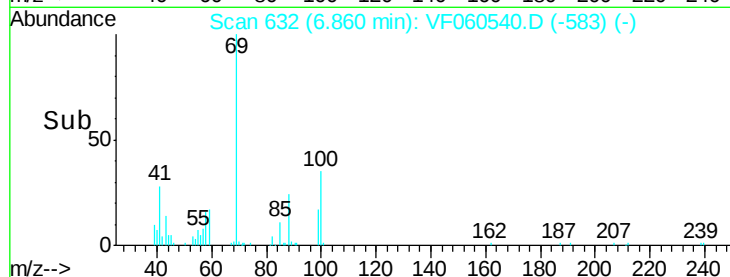
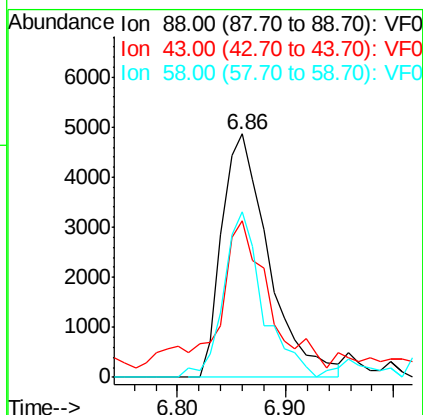
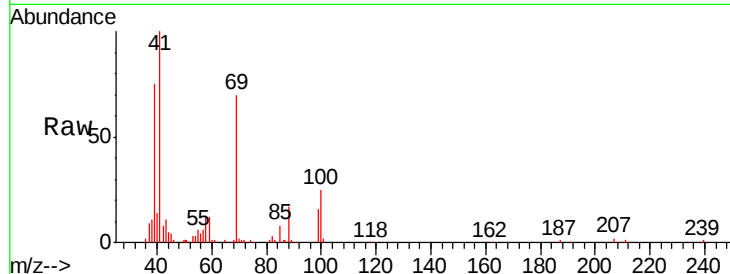
#49
1,4-Dioxane
Concen: 967.81 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 14677
Ion Ratio Lower Upper
88 100
43 64.5 49.7 74.5
58 67.8 67.7 101.5

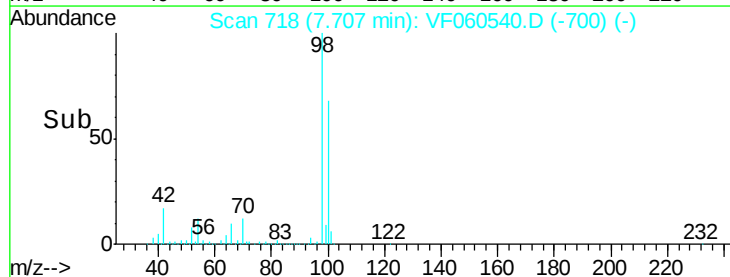
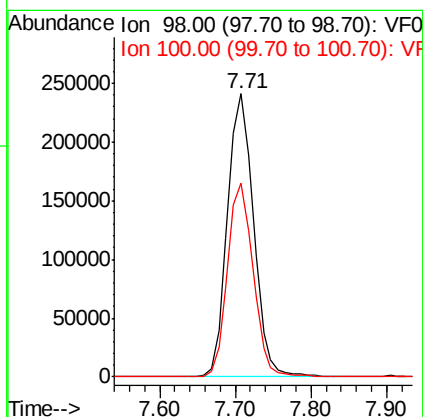
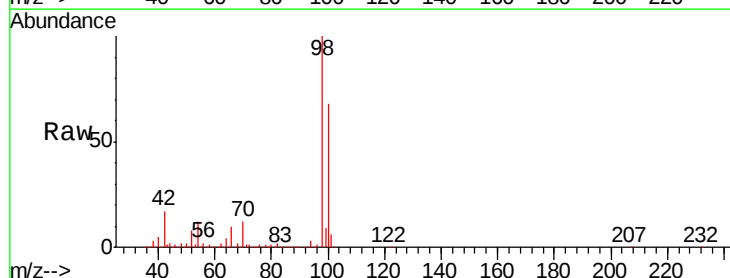
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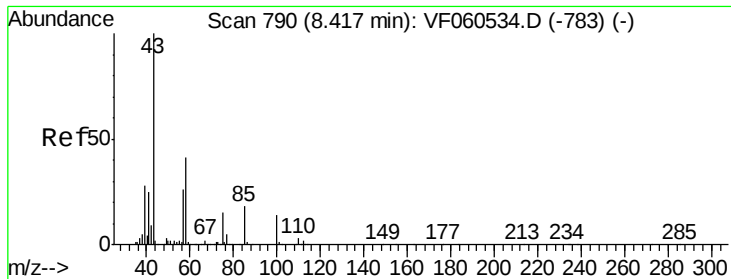
apatel
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#50
Toluene-d8
Concen: 50.97 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion: 98 Resp: 578260
Ion Ratio Lower Upper
98 100
100 68.5 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 242.37 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 414936

Ion Ratio Lower Upper

43 100

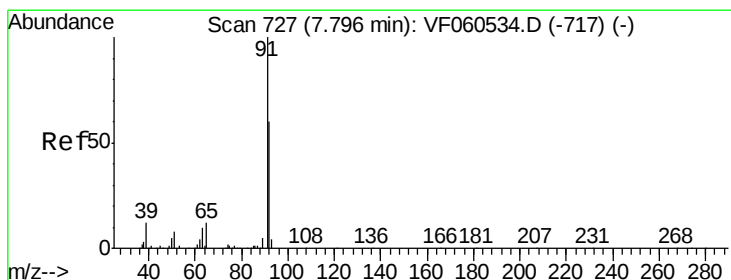
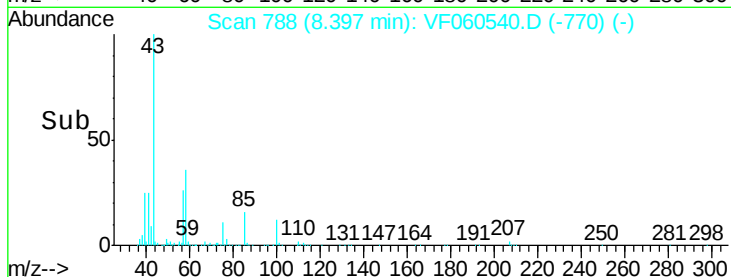
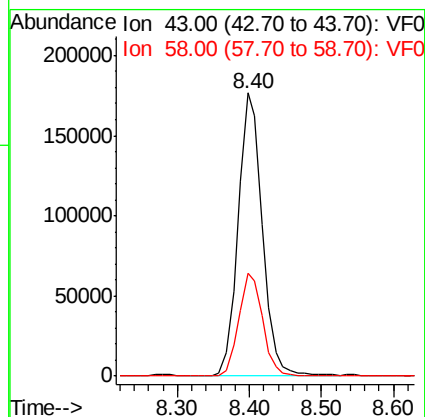
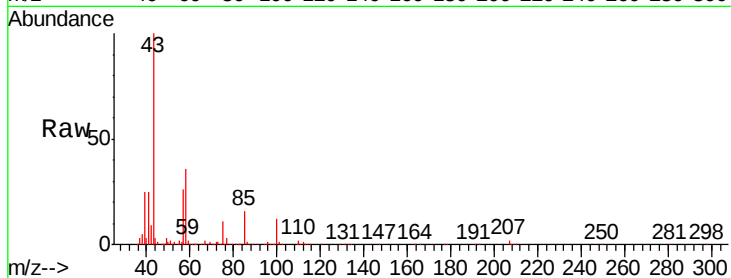
58 36.3 32.6 49.0

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#52

Toluene

Concen: 47.51 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060540.D

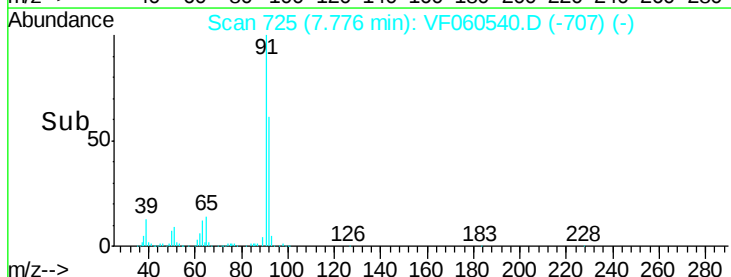
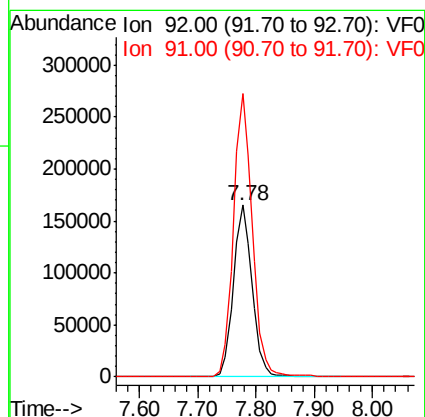
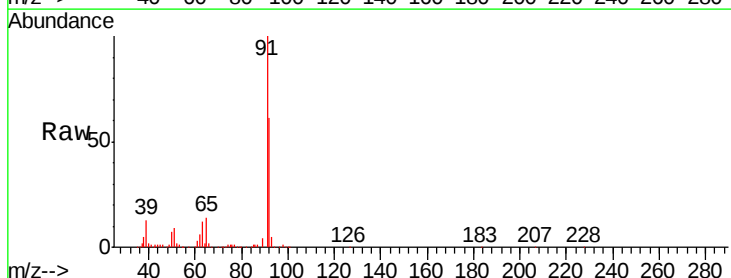
Acq: 30 Oct 2018 11:45

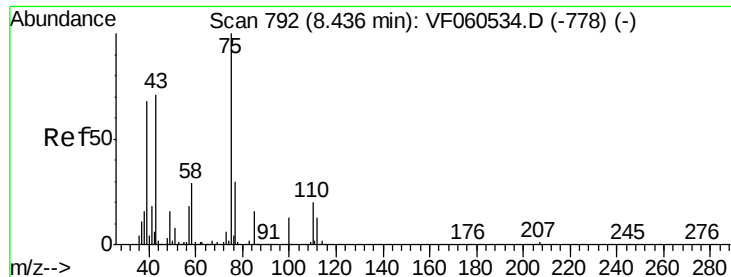
Tgt Ion: 92 Resp: 368953

Ion Ratio Lower Upper

92 100

91 164.9 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 47.24 ug/l

RT: 8.43 min Scan# 791

Delta R.T. -0.01 min

Lab File: VF060540.D

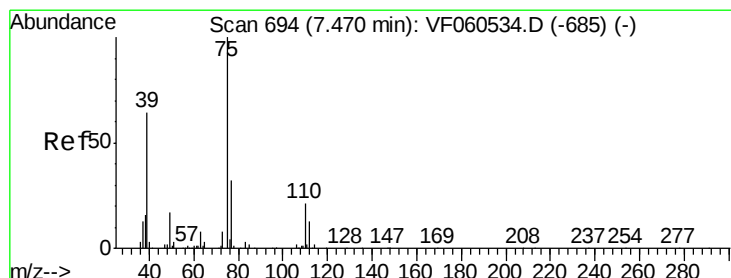
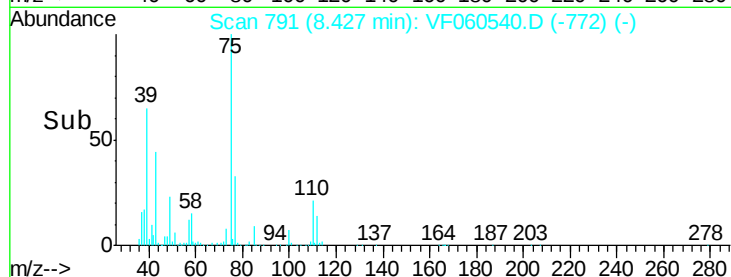
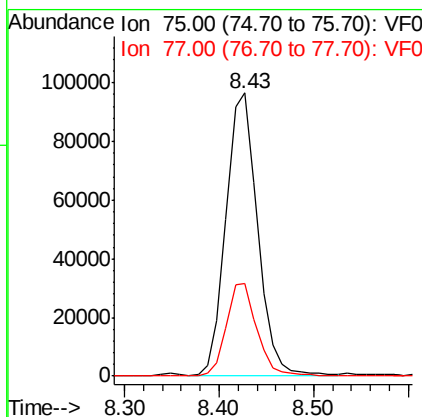
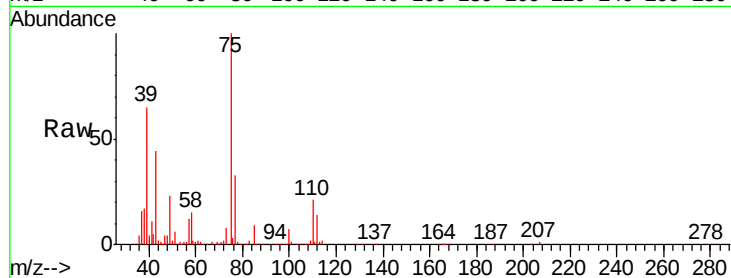
Acq: 30 Oct 2018 11:45

Tgt Ion:	75	Resp:	221965
Ion Ratio	Lower	Upper	
75	100		
77	32.8	24.2	36.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 50.32 ug/l

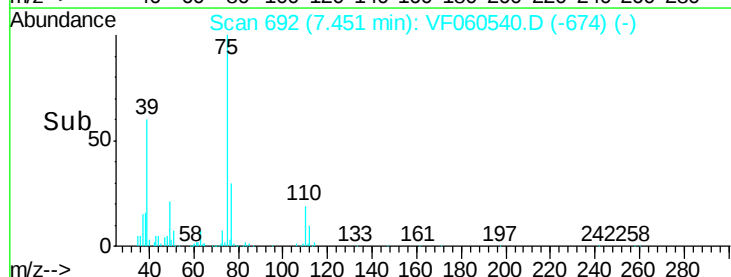
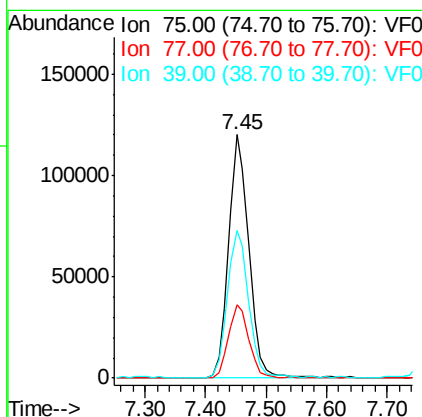
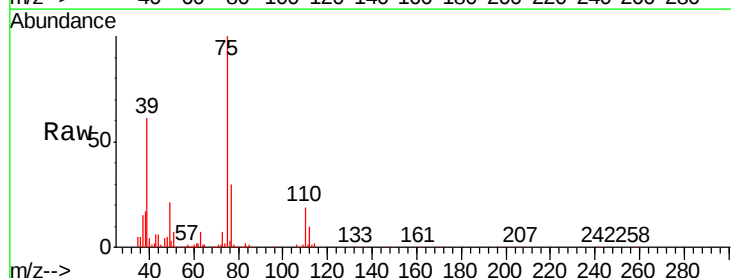
RT: 7.45 min Scan# 692

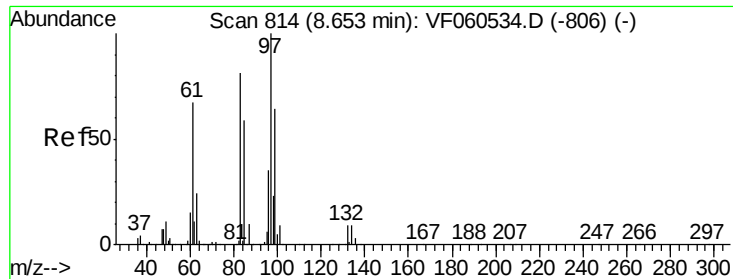
Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	75	Resp:	280199
Ion Ratio	Lower	Upper	
75	100		
77	30.3	25.7	38.5
39	60.5	51.5	77.3





#55

1,1,2-Trichloroethane

Concen: 48.49 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

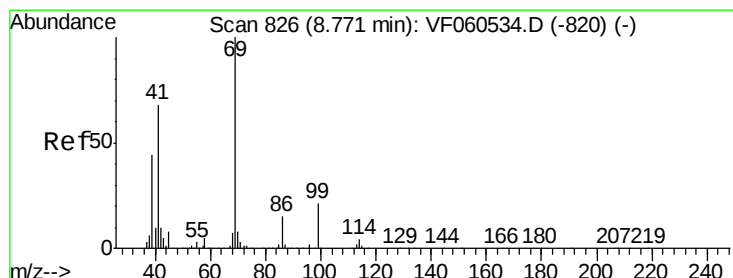
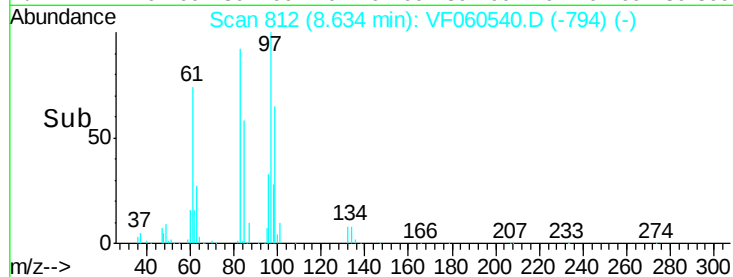
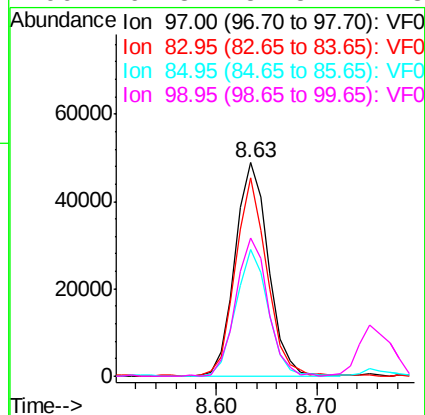
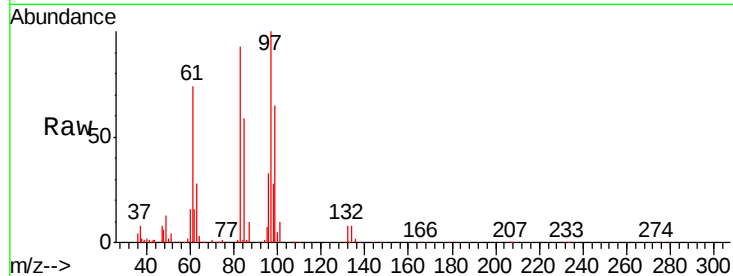
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	112827
Ion Ratio	Lower	Upper	
97	100		
83	92.9	65.3	97.9
85	59.4	47.6	71.4
99	64.8	51.5	77.3

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#56

Ethyl methacrylate

Concen: 47.95 ug/l

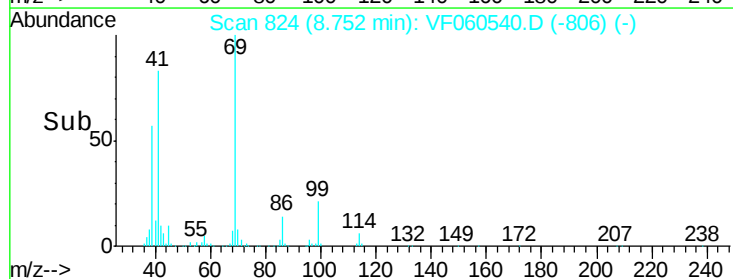
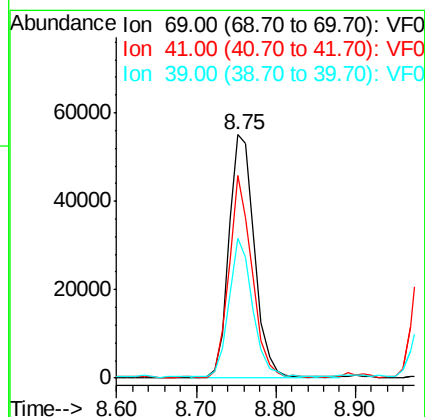
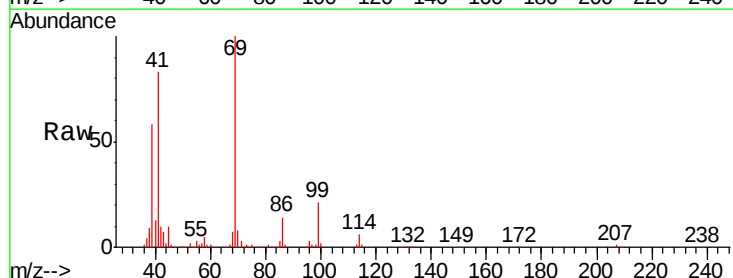
RT: 8.75 min Scan# 824

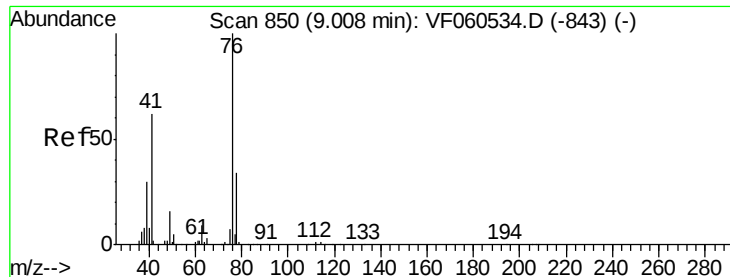
Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	69	Resp:	125200
Ion Ratio	Lower	Upper	
69	100		
41	83.1	55.0	82.6#
39	57.5	35.1	52.7#





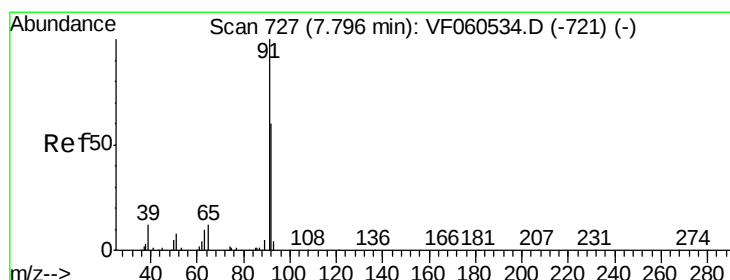
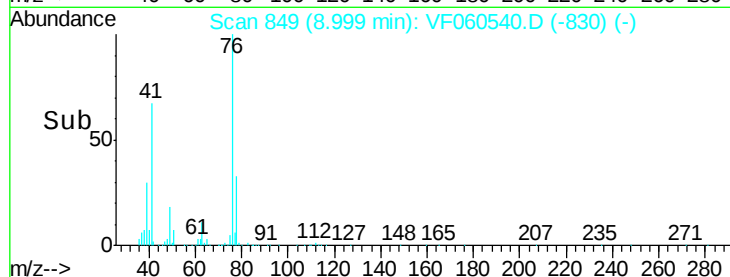
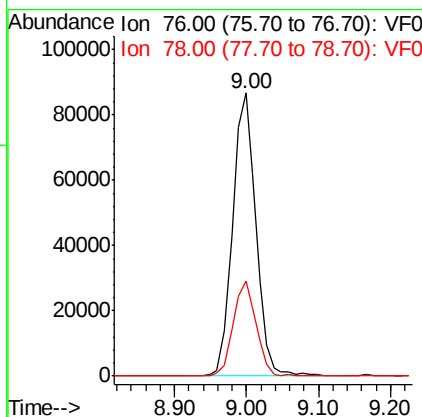
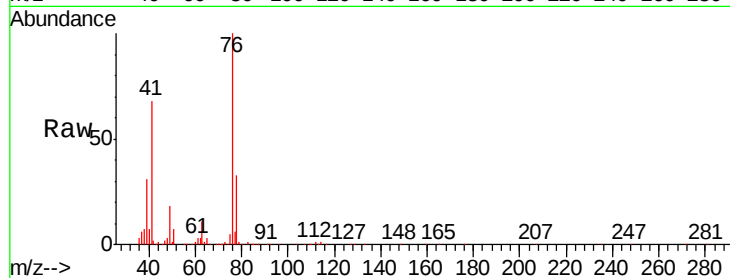
#57
 1,3-Dichloropropane
 Concen: 49.76 ug/l
 RT: 9.00 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.4	27.3	40.9

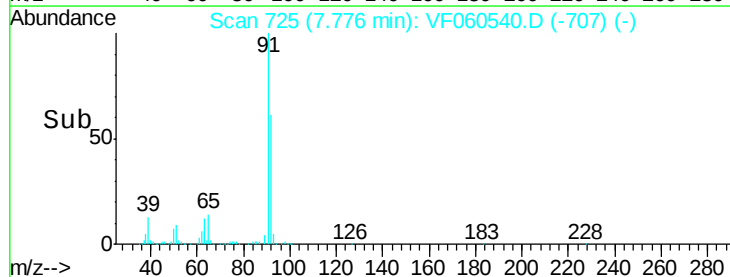
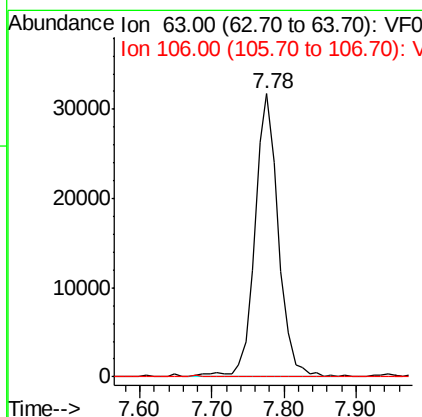
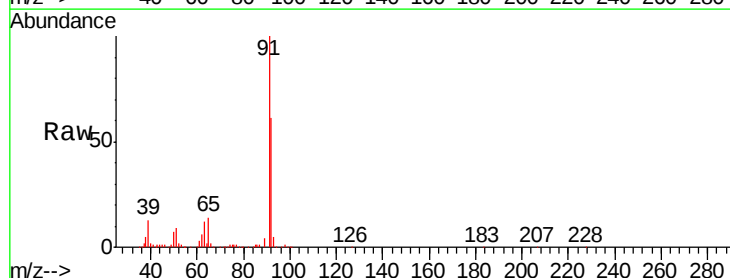
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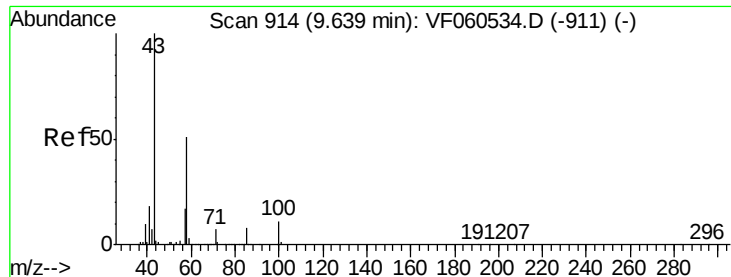
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#58
 2-Chloroethyl Vinyl ether
 Concen: 267.40 ug/l
 RT: 7.78 min Scan# 725
 Delta R.T. -0.02 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





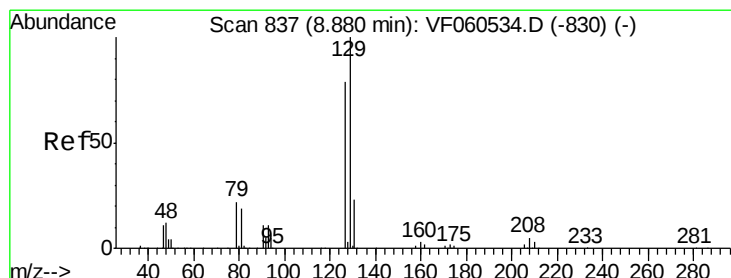
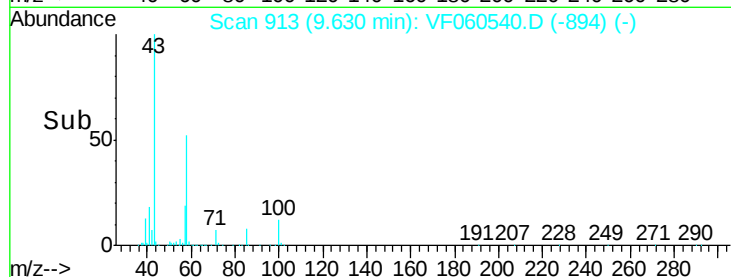
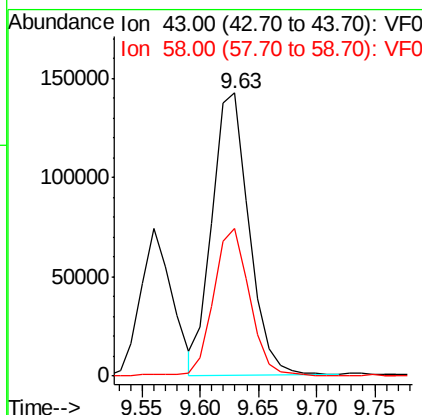
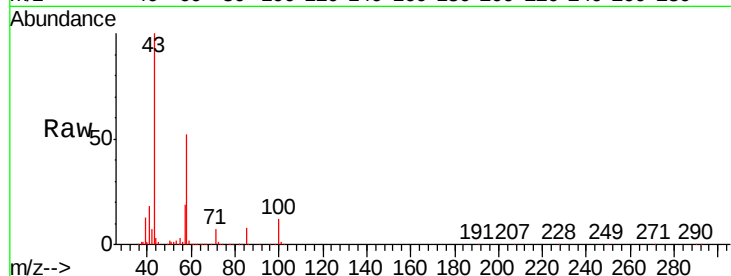
#59
2-Hexanone
Concen: 247.86 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 312732
Ion Ratio Lower Upper
43 100
58 52.4 24.1 72.3

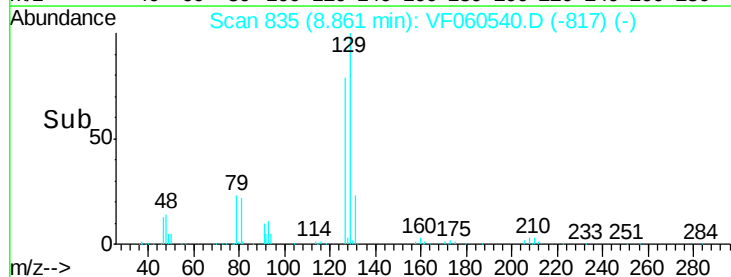
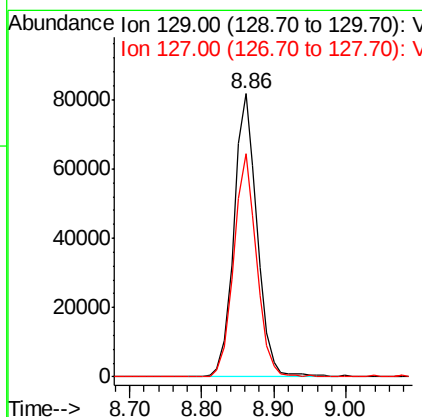
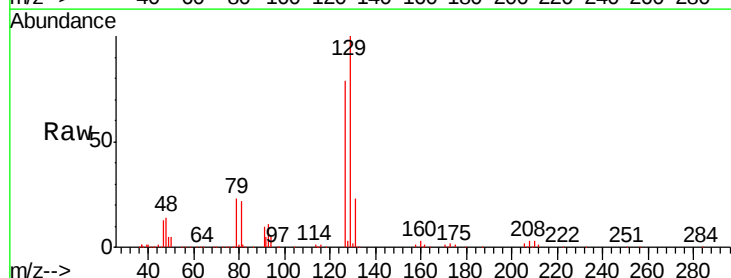
Manual Integrations
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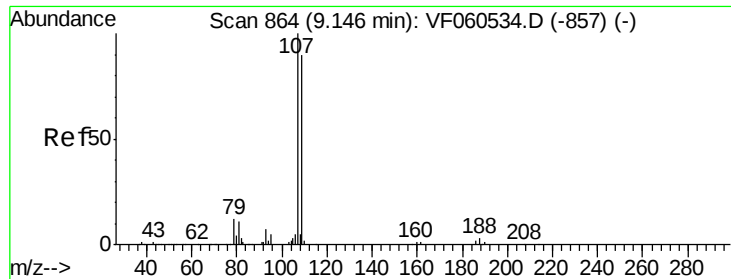
apatel
10/31/2018 10:22:01 AM



#60
Dibromochloromethane
Concen: 48.99 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion: 129 Resp: 183652
Ion Ratio Lower Upper
129 100
127 78.9 39.6 119.0





#61

1,2-Dibromoethane

Concen: 47.71 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 128548

Ion Ratio Lower Upper

107 100

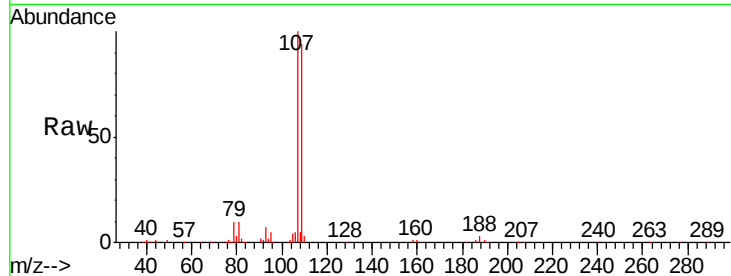
109 93.6 72.2 108.2

Manual Integrations

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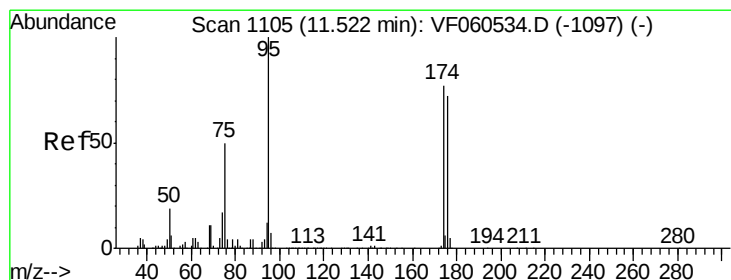
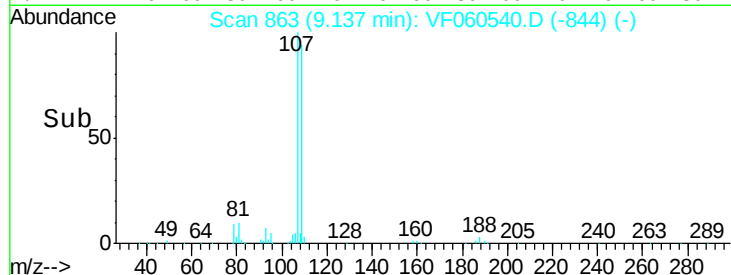
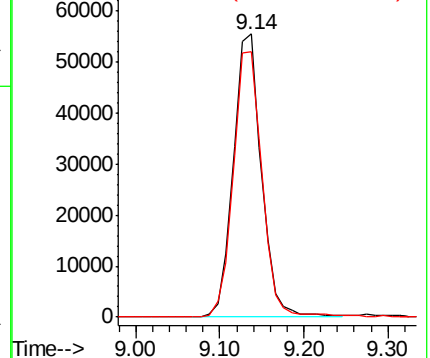
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.90 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

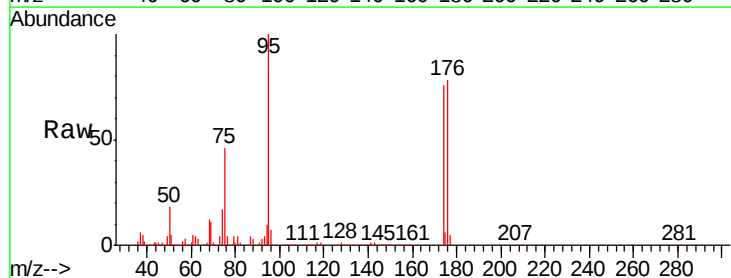
Tgt Ion: 95 Resp: 255634

Ion Ratio Lower Upper

95 100

174 76.3 0.0 153.8

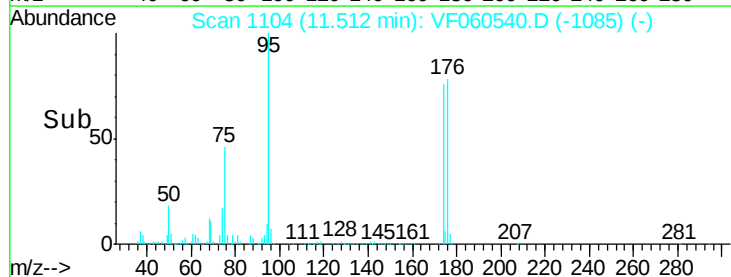
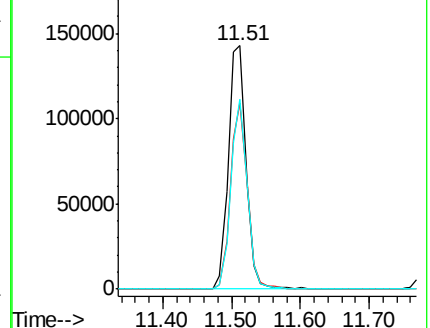
176 78.2 0.0 143.6

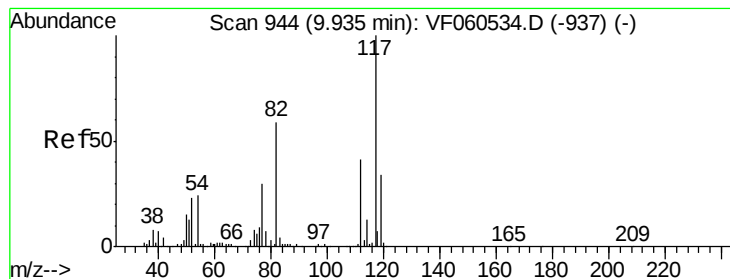


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

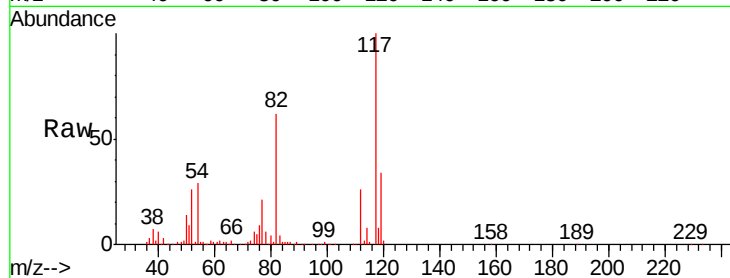
ClientSampleId :

VSTDCCC050

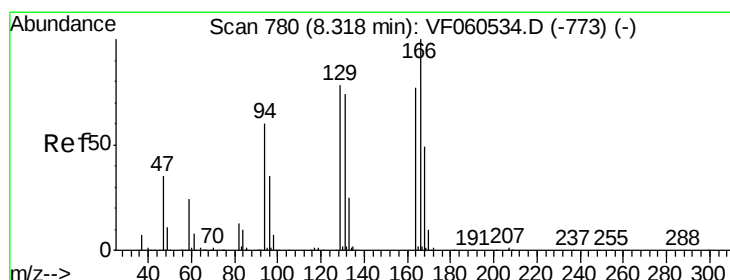
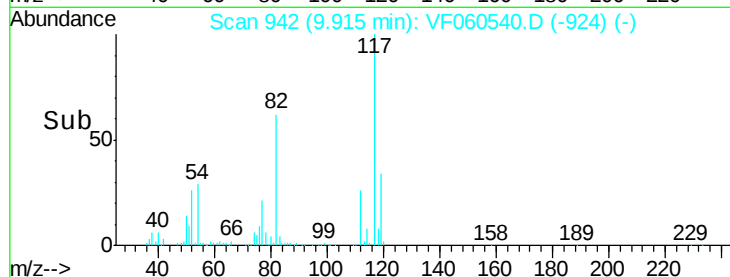
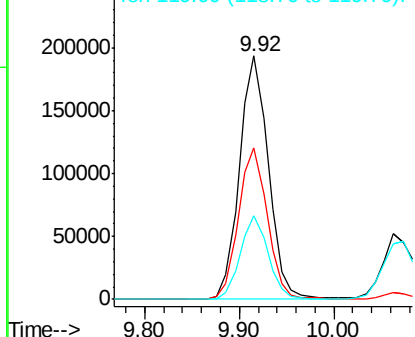
Tgt	Ion:117	Resp:	410802
Ion	Ratio	Lower	Upper
117	100		
82	62.4	47.6	71.4
119	34.3	27.3	40.9

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 48.00 ug/l

RT: 8.30 min Scan# 778

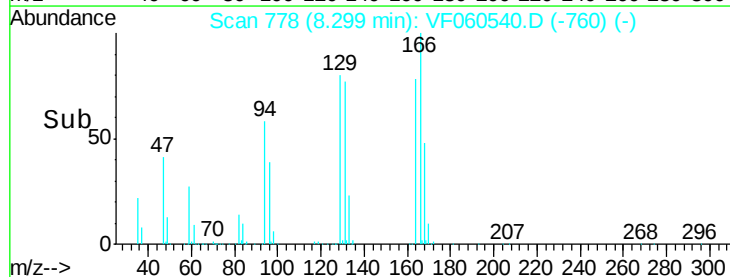
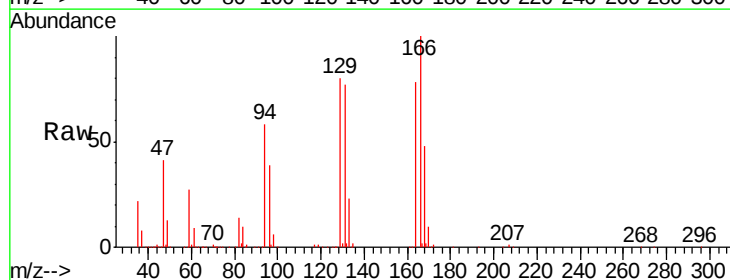
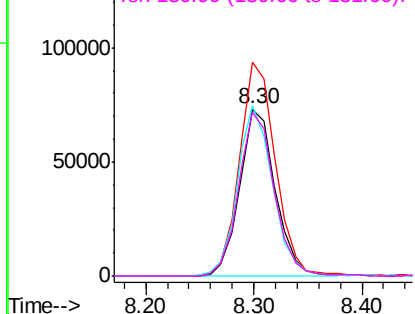
Delta R.T. -0.02 min

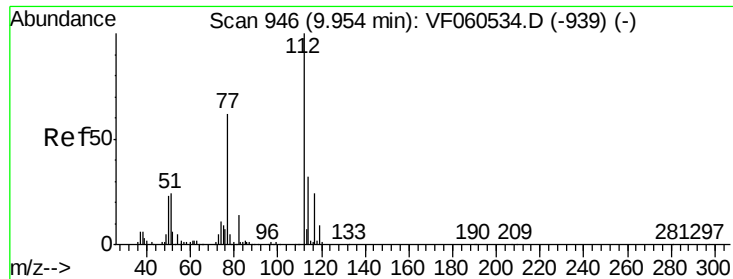
Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt	Ion:164	Resp:	166688
Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.4	155.2
129	101.7	80.7	121.1
131	97.9	76.3	114.5

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





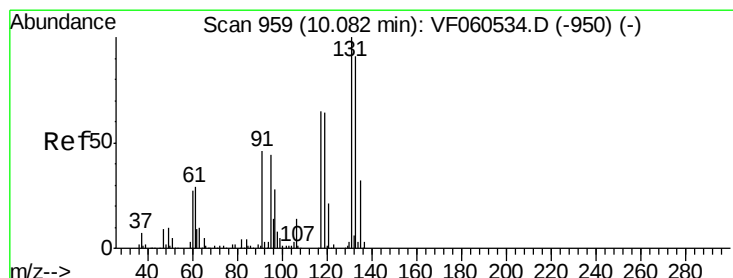
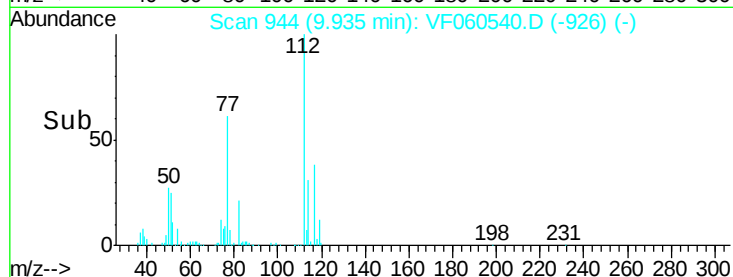
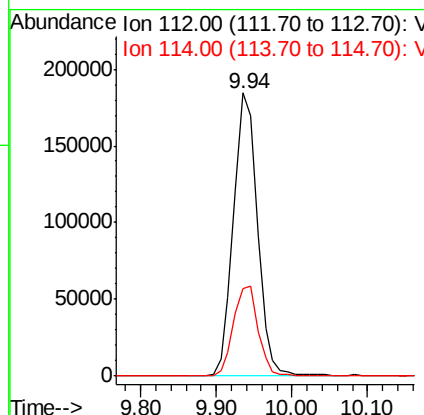
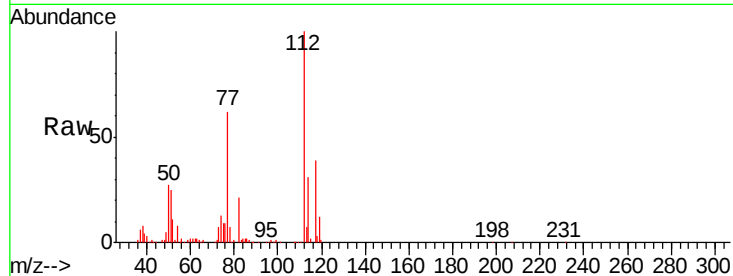
#65
Chlorobenzene
Concen: 49.09 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 405719
Ion Ratio Lower Upper
112 100
114 30.9 25.5 38.3

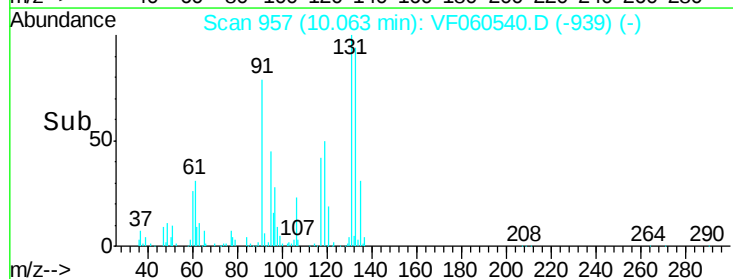
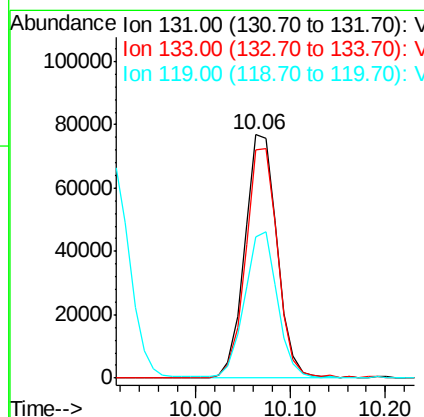
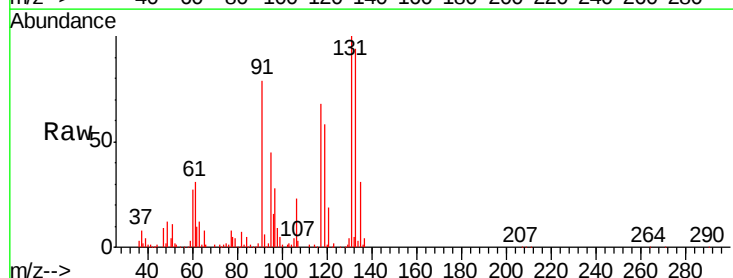
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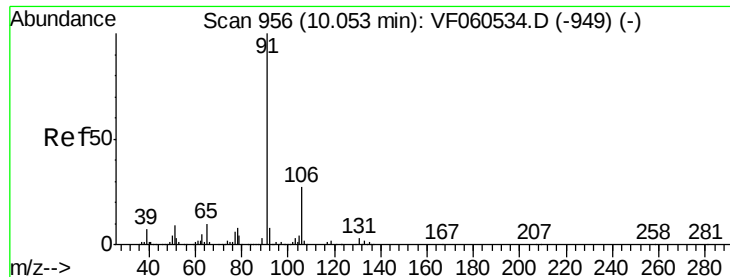
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.35 ug/l
RT: 10.06 min Scan# 957
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion:131 Resp: 182099
Ion Ratio Lower Upper
131 100
133 93.9 45.8 137.3
119 57.9 32.4 97.0





#67

Ethyl Benzene

Concen: 48.51 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 766038

Ion Ratio Lower Upper

91 100

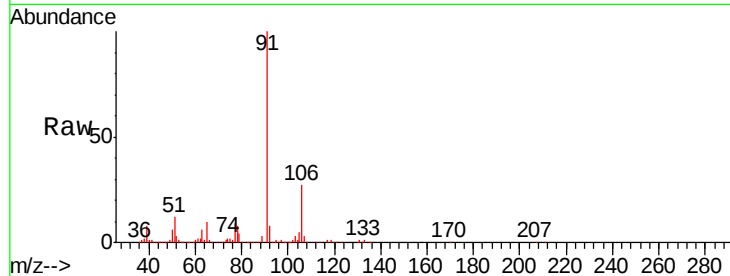
106 27.3 21.9 32.9

Manual Integrations

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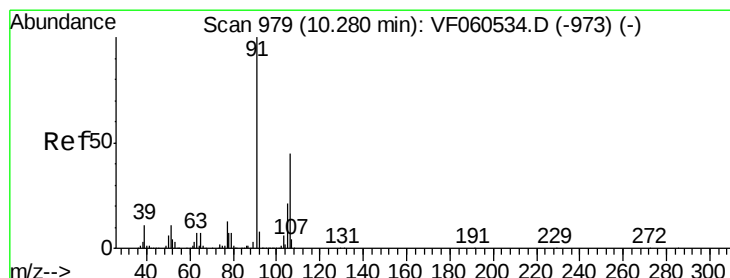
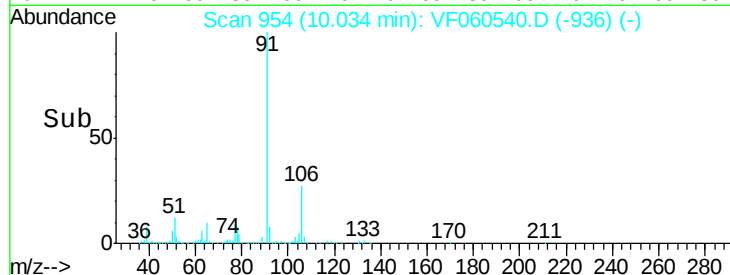
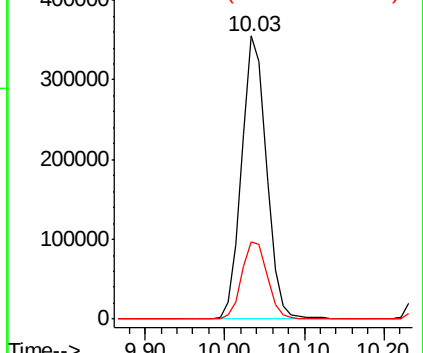
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 96.06 ug/l

RT: 10.27 min Scan# 978

Delta R.T. -0.01 min

Lab File: VF060540.D

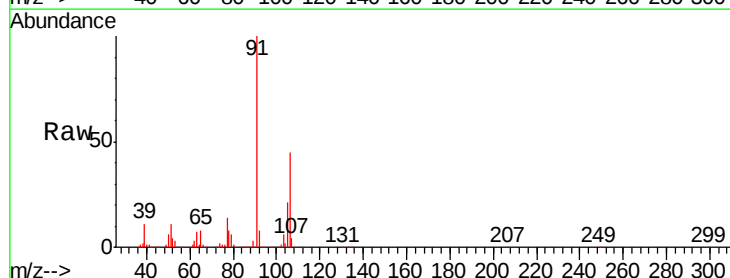
Acq: 30 Oct 2018 11:45

Tgt Ion: 106 Resp: 518091

Ion Ratio Lower Upper

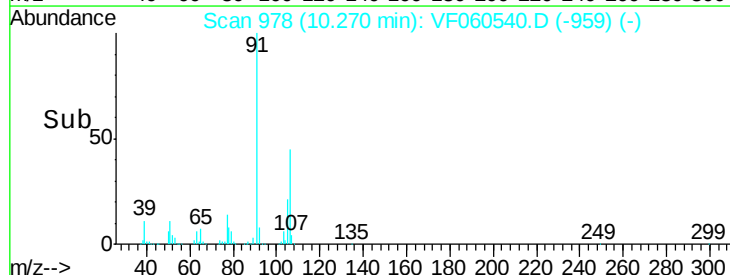
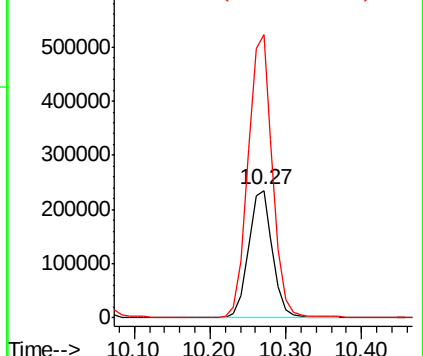
106 100

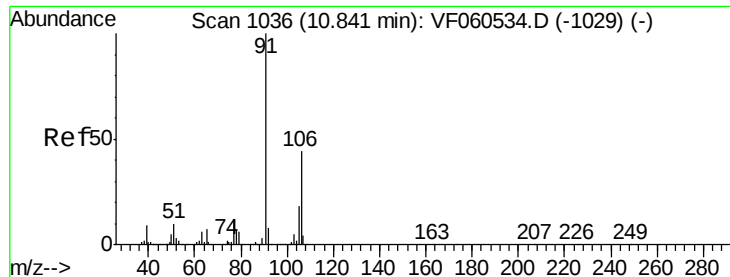
91 221.7 176.2 264.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





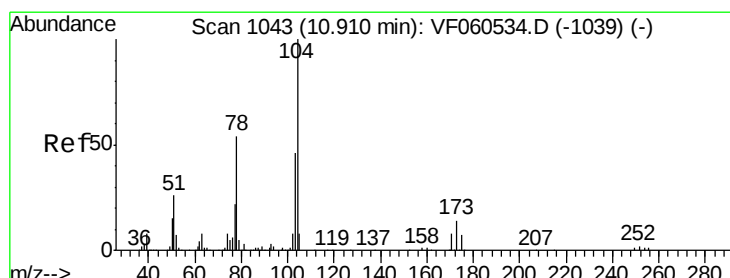
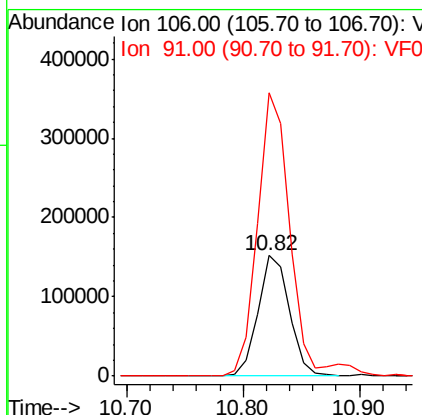
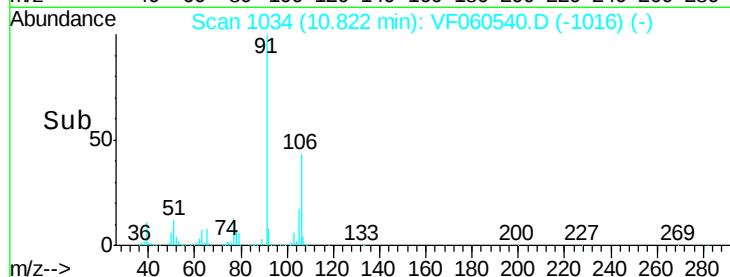
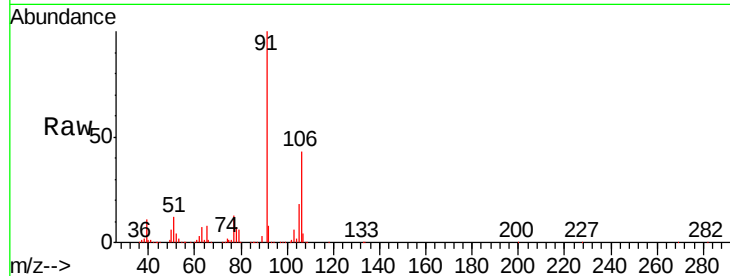
#69
o-Xylene
Concen: 46.90 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 284846
Ion Ratio Lower Upper
106 100
91 235.0 112.9 338.8

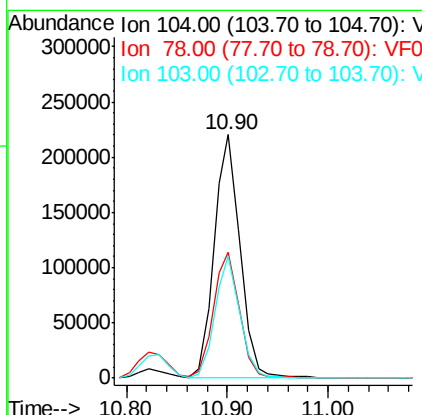
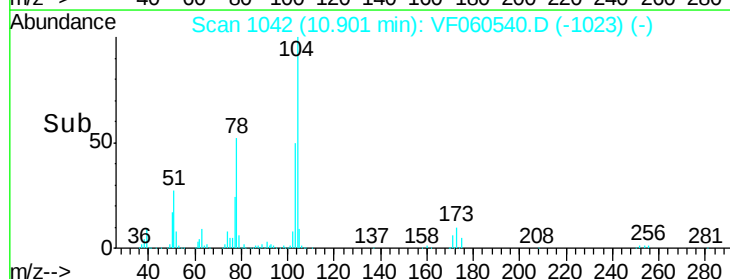
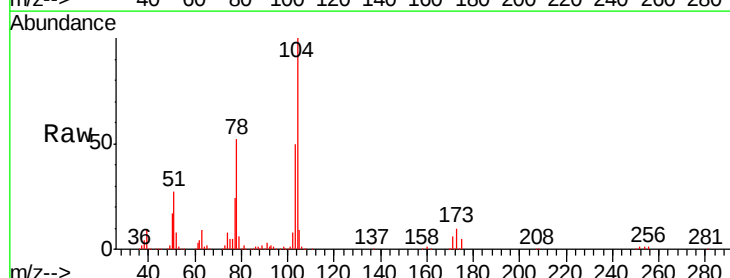
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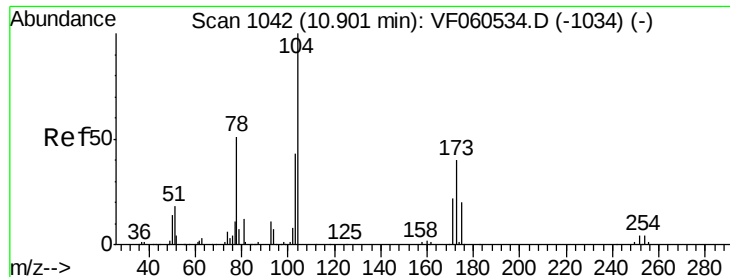
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#70
Styrene
Concen: 45.81 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion:104 Resp: 392266
Ion Ratio Lower Upper
104 100
78 51.9 43.4 65.2
103 50.3 36.9 55.3





#71

Bromoform

Concen: 47.83 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

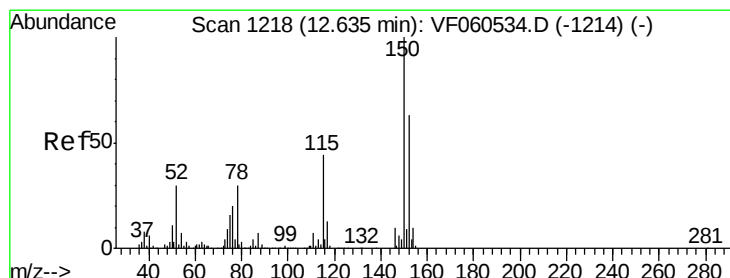
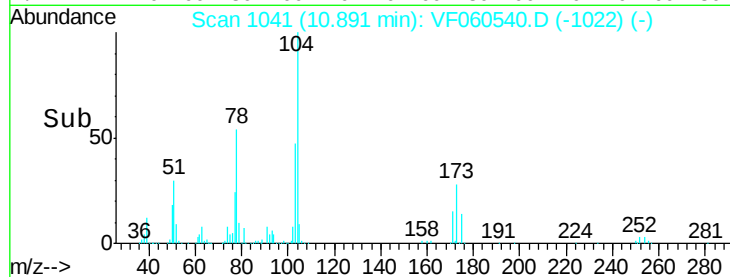
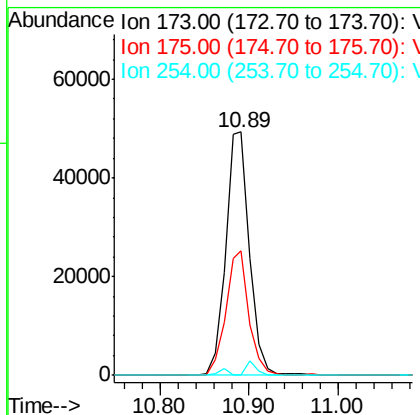
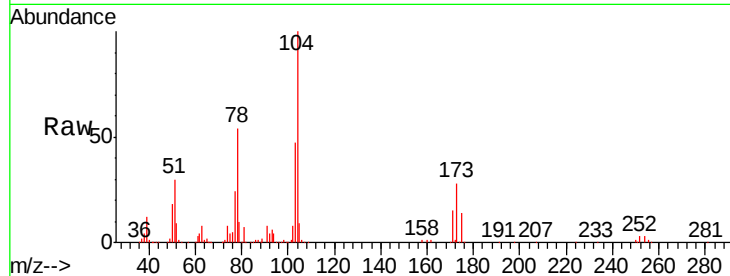
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.0	25.7	77.0
254	0.0	7.8	11.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

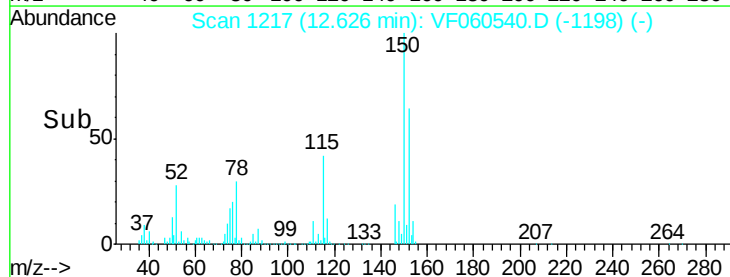
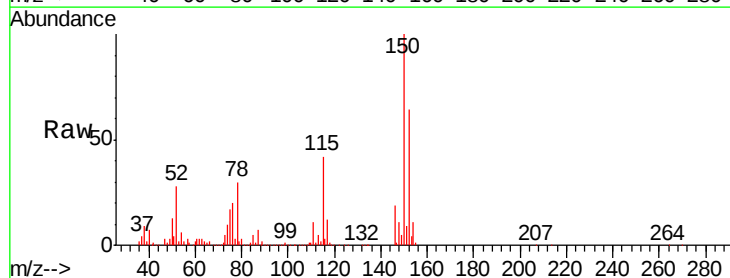
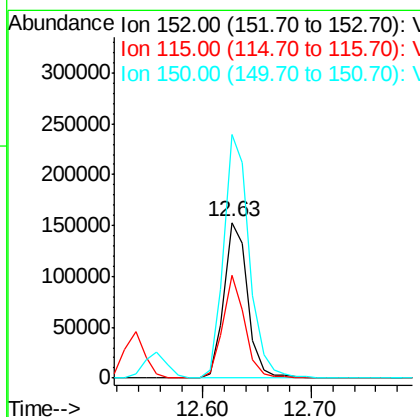
RT: 12.63 min Scan# 1217

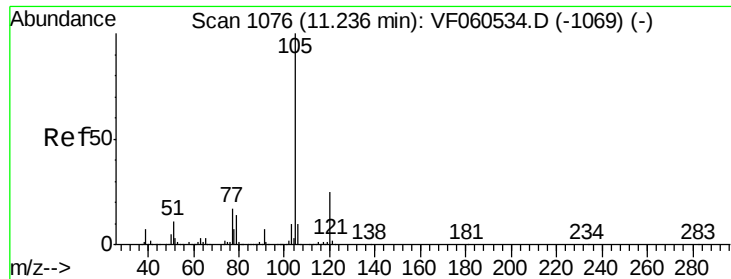
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.5	34.7	104.1
150	156.5	0.0	318.4





#73

Isopropylbenzene

Concen: 49.79 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 886623

Ion Ratio Lower Upper

105 100

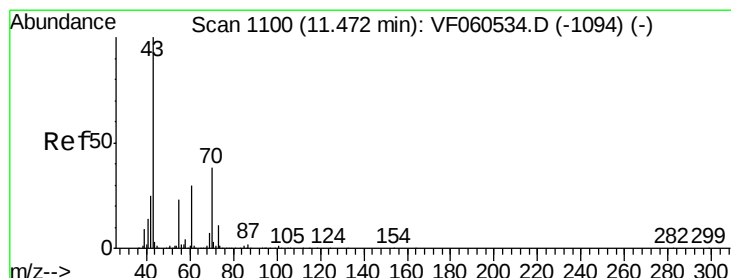
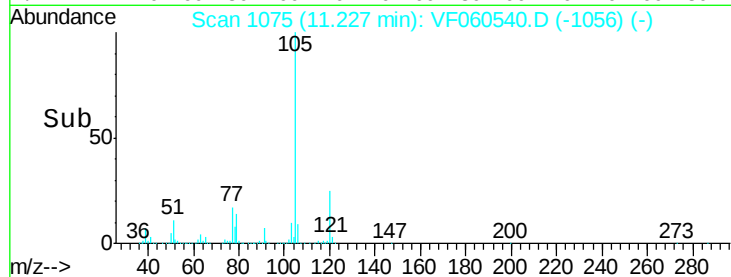
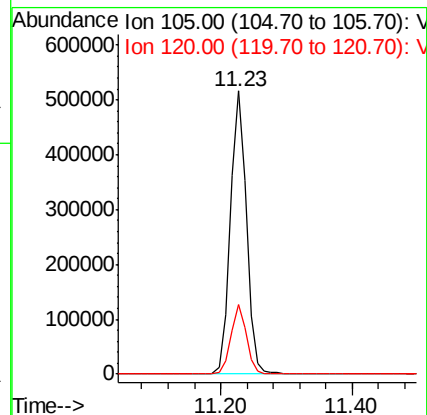
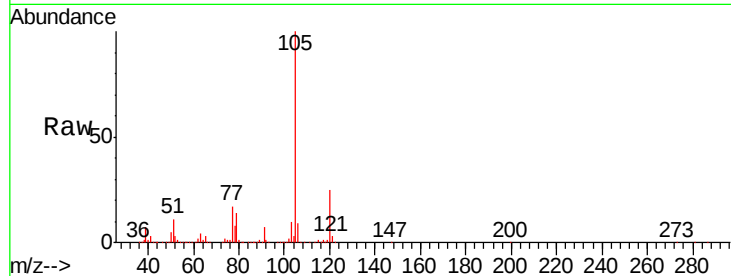
120 24.7 12.3 36.8

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#74

N-ethyl acetate

Concen: 49.21 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion: 43 Resp: 175478

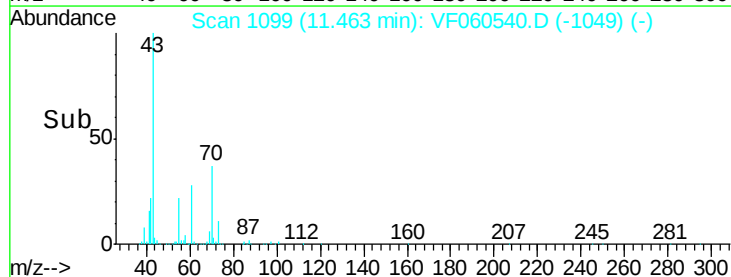
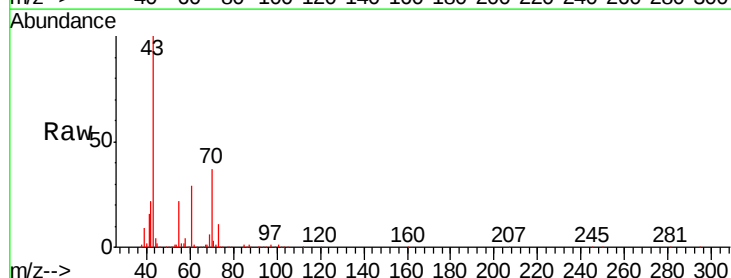
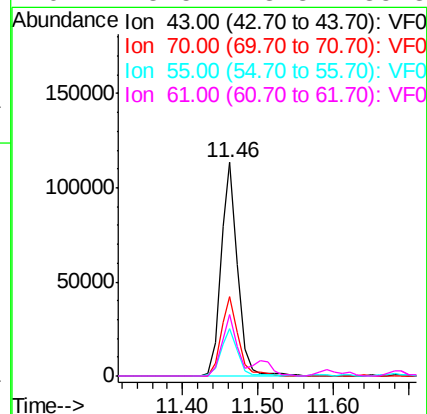
Ion Ratio Lower Upper

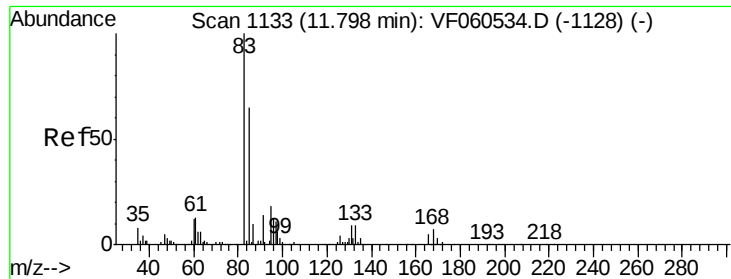
43 100

70 37.1 30.8 46.2

55 22.1 18.2 27.4

61 28.5 23.8 35.8





#75

1,1,2,2-Tetrachloroethane

Concen: 45.48 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

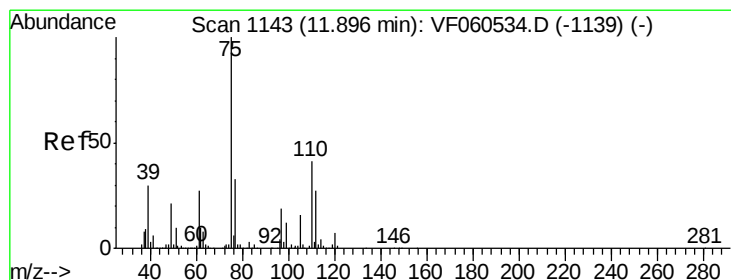
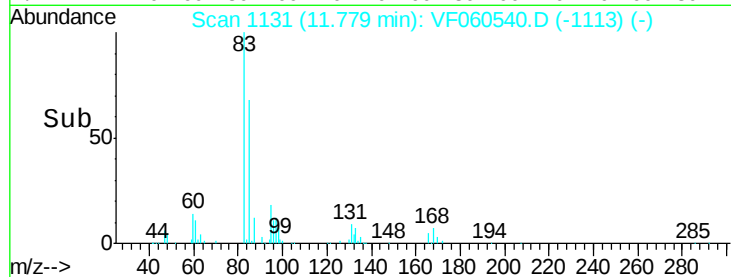
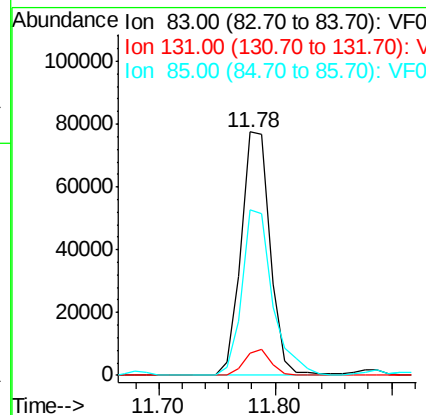
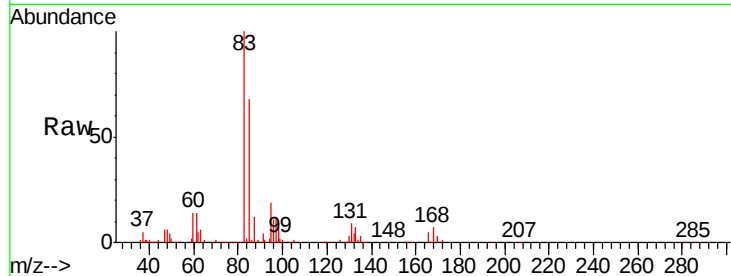
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	135132
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.0
85	68.2	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.38 ug/l

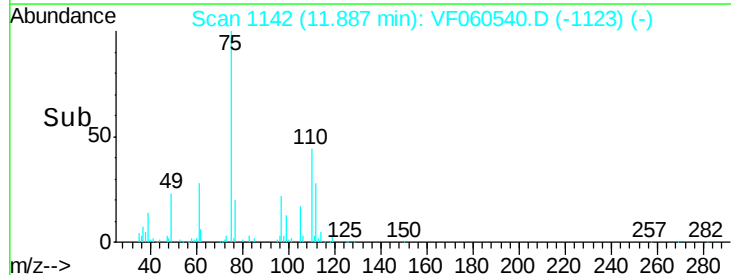
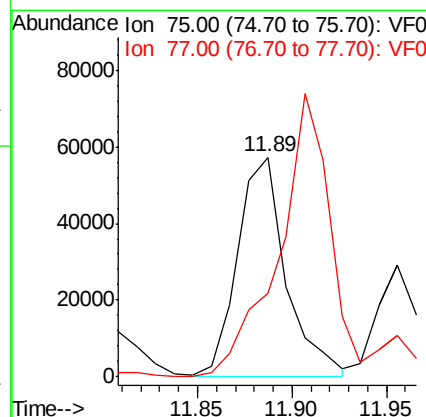
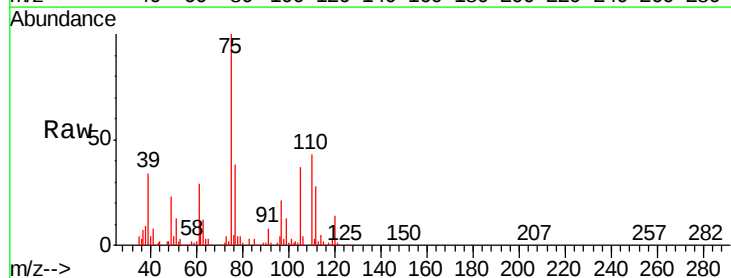
RT: 11.89 min Scan# 1142

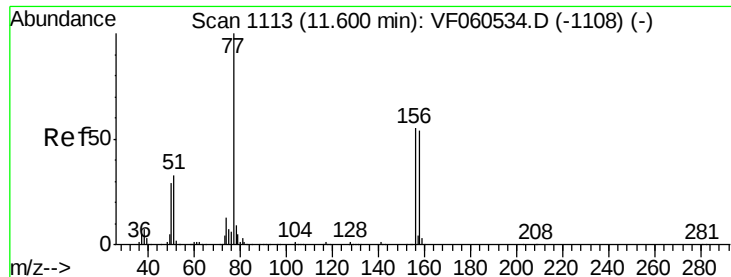
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	75	Resp:	101446
Ion Ratio	Lower	Upper	
75	100		
77	38.3	16.7	50.1





#77

Bromobenzene

Concen: 47.21 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

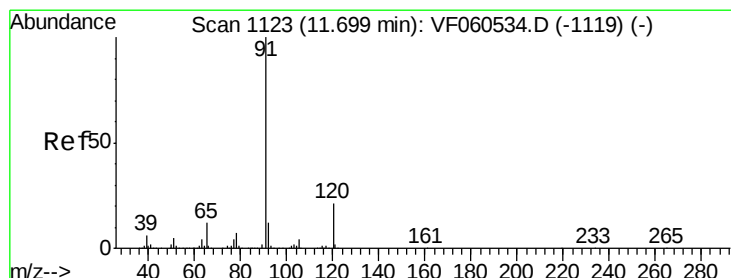
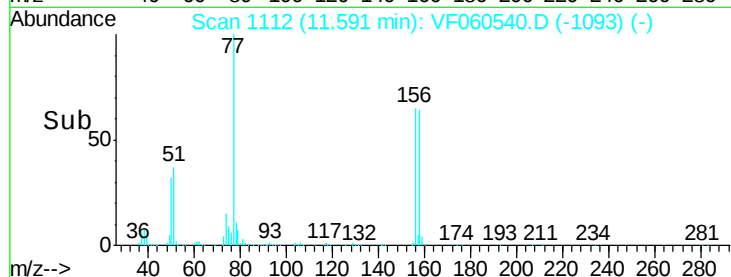
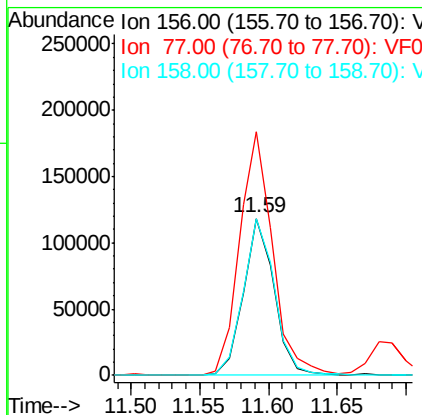
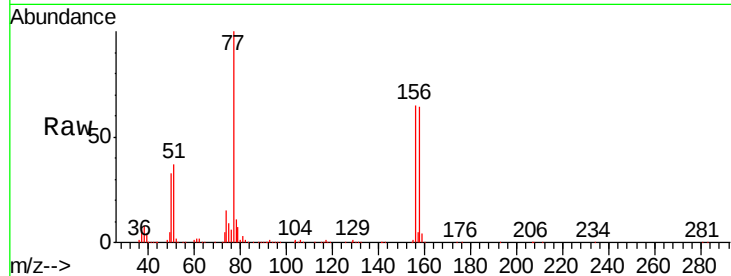
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	155.0	91.3	274.1
158	99.3	49.3	147.9

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#78

n-propylbenzene

Concen: 48.87 ug/l

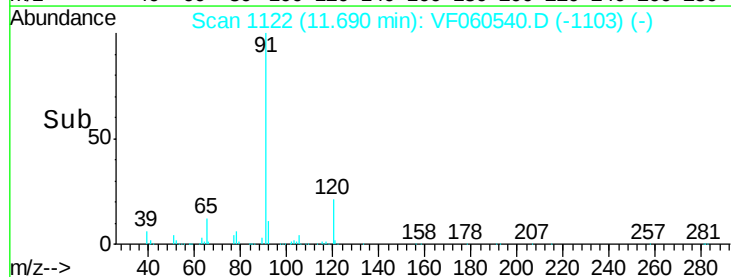
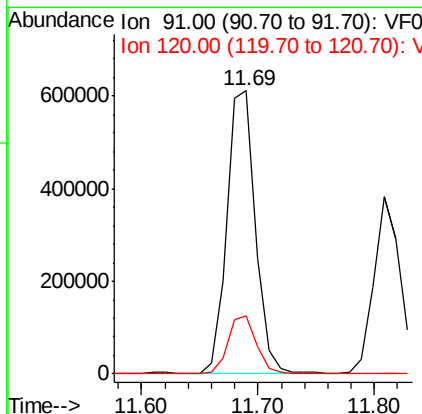
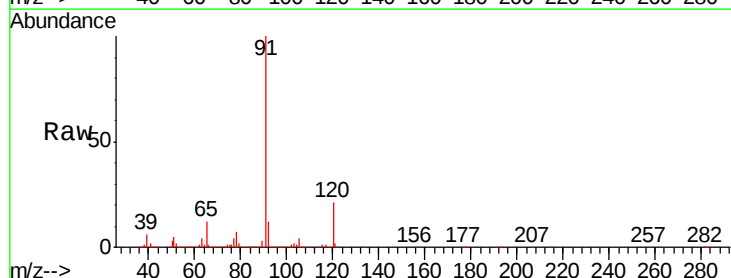
RT: 11.69 min Scan# 1122

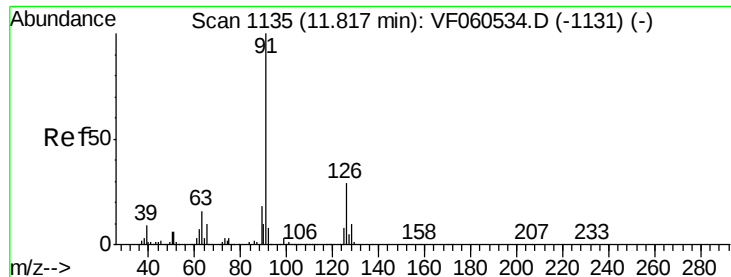
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.7	32.1





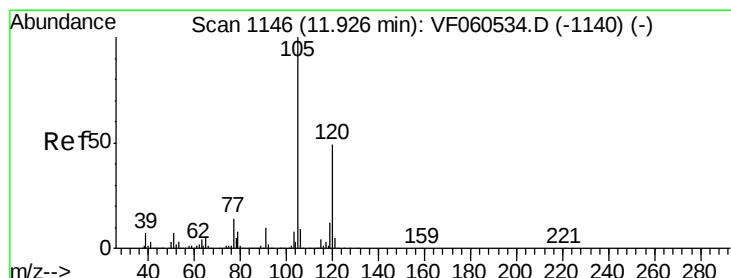
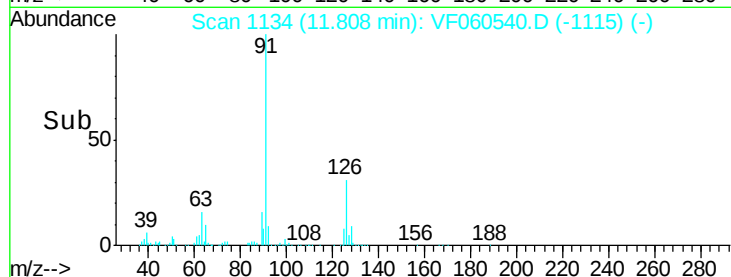
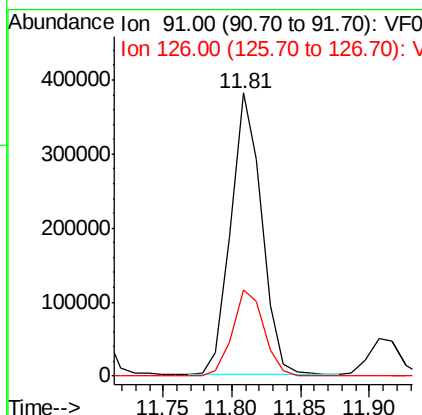
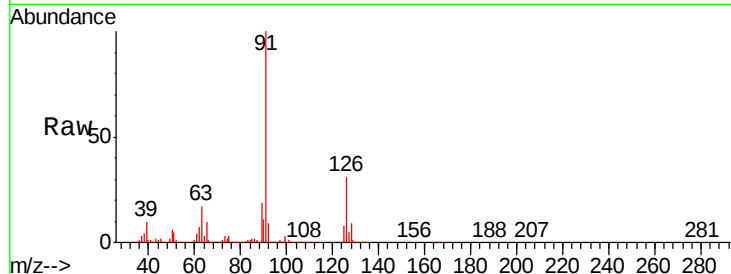
#79
 2-Chlorotoluene
 Concen: 46.99 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 594026
 Ion Ratio Lower Upper
 91 100
 126 30.7 14.2 42.8

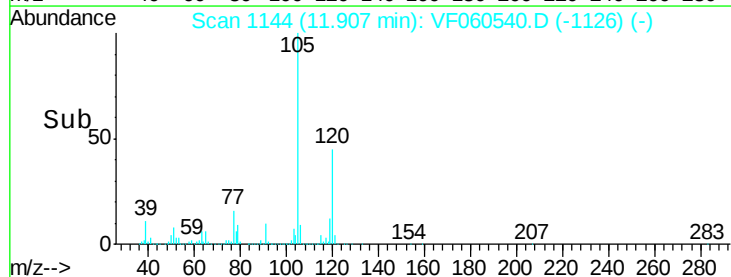
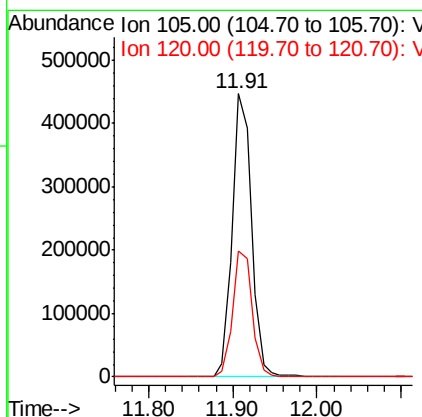
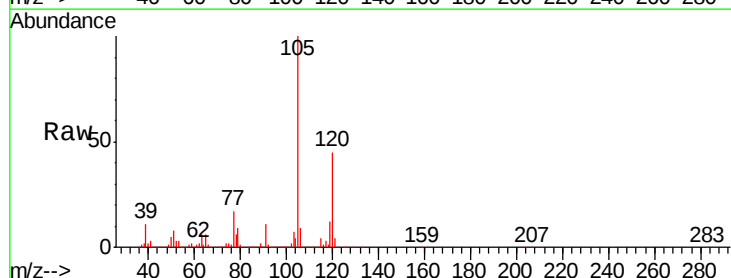
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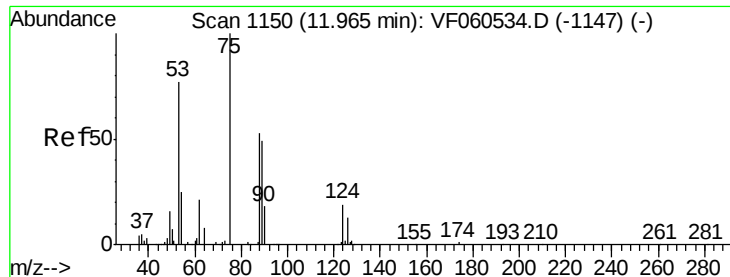
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.43 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion: 105 Resp: 714419
 Ion Ratio Lower Upper
 105 100
 120 44.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.03 ug/l m

RT: 11.96 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

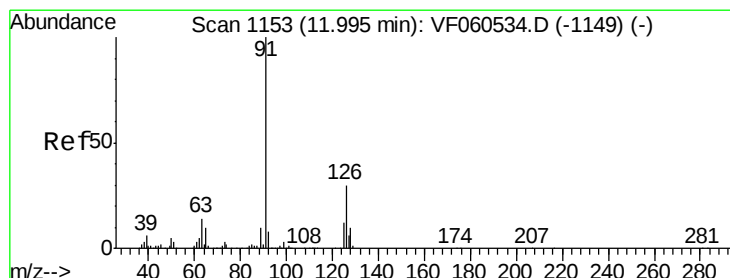
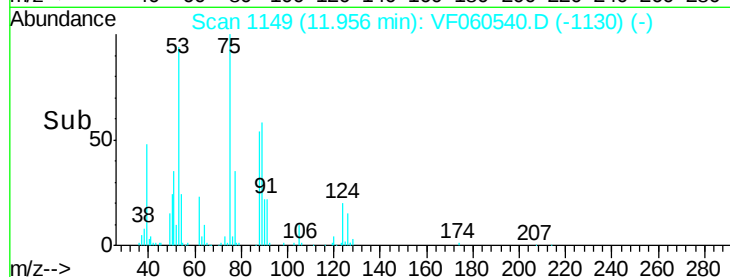
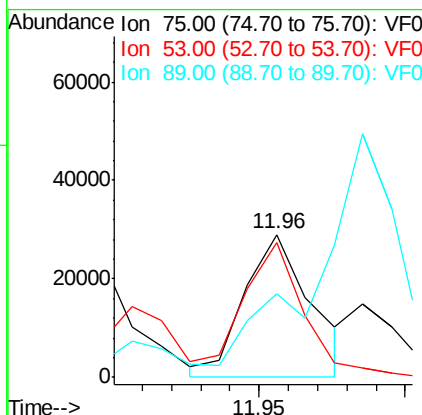
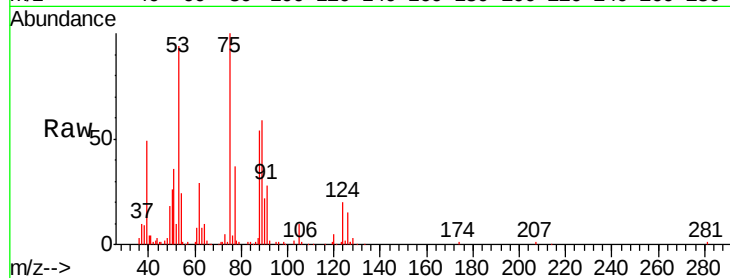
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	45919
Ion	Ratio	Lower	Upper
75	100		
53	94.0	65.8	98.6
89	58.8	44.0	66.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.47 ug/l

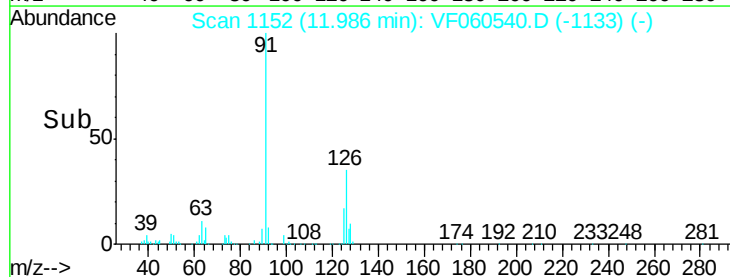
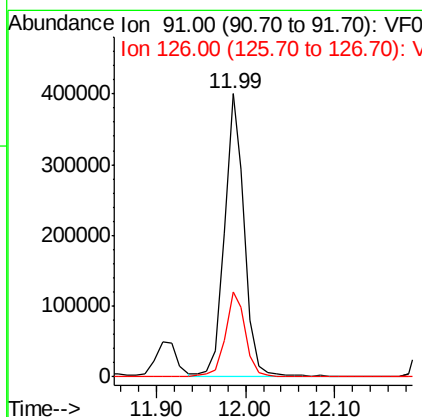
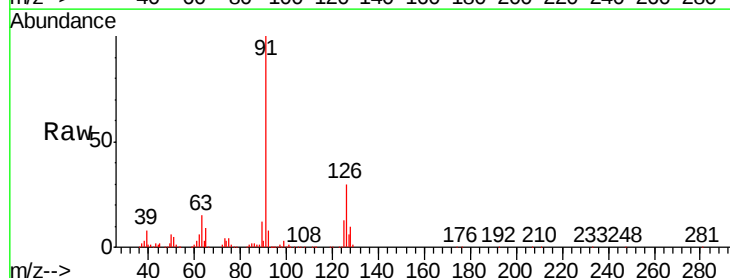
RT: 11.99 min Scan# 1152

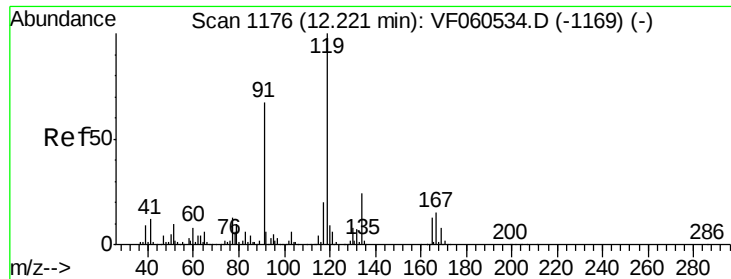
Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Tgt Ion:	91	Resp:	622231
Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.1	45.3





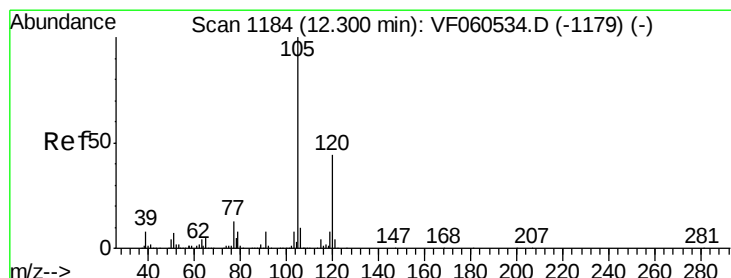
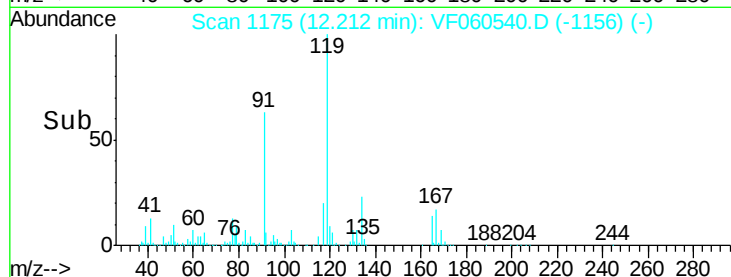
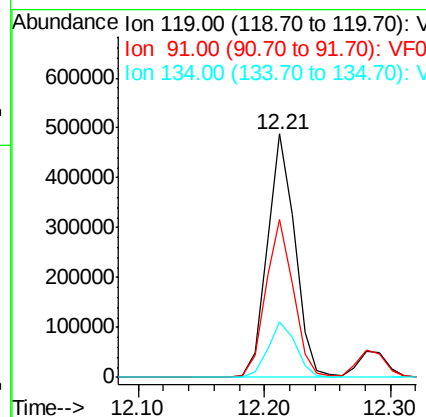
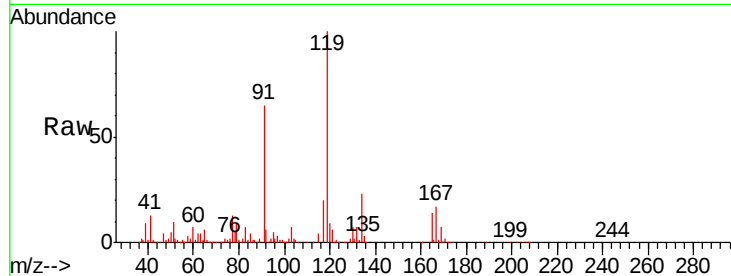
#83
 tert-Butylbenzene
 Concen: 50.07 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.7	33.6	100.8
134	23.0	12.0	36.0

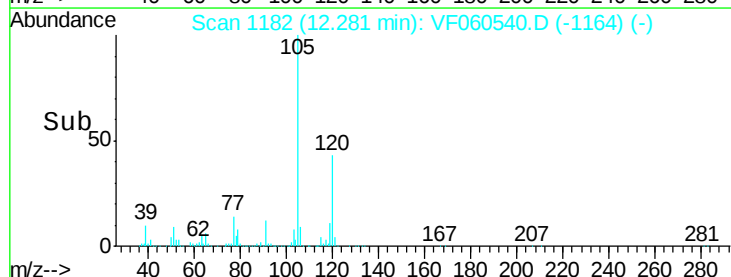
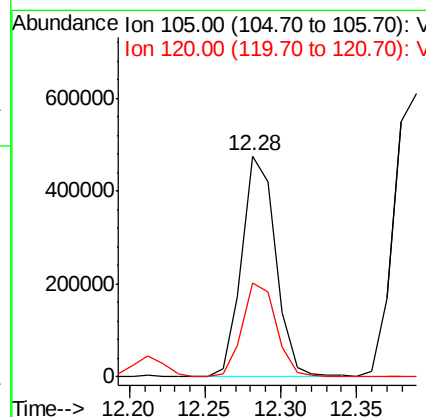
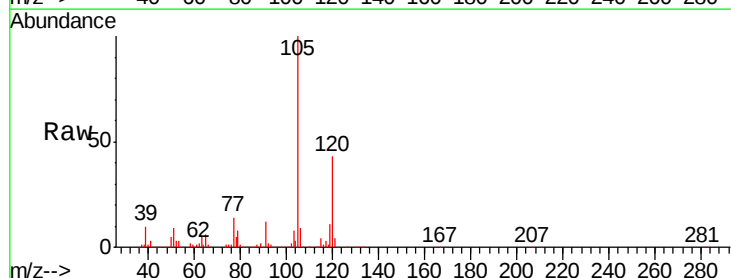
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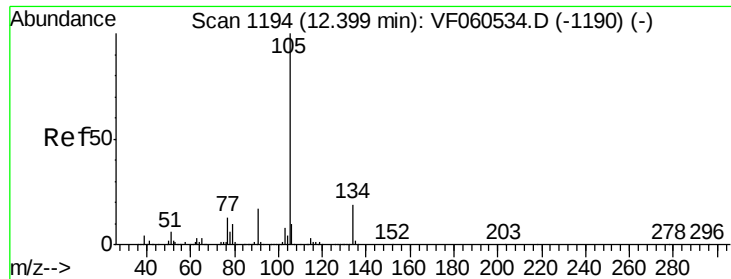
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.47 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.0	66.0





#85

sec-Butylbenzene

Concen: 46.98 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 981806

Ion Ratio Lower Upper

105 100

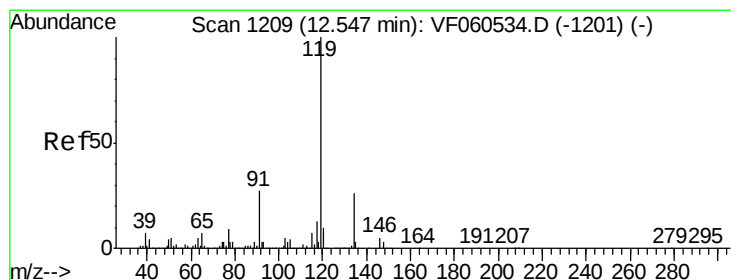
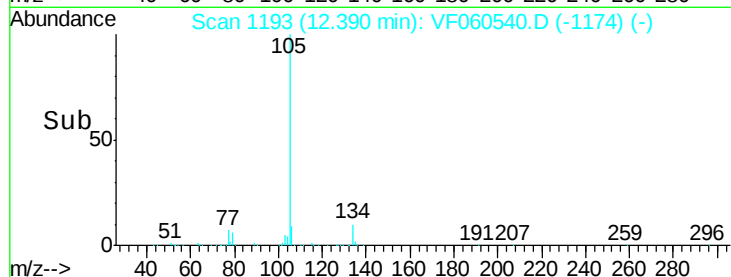
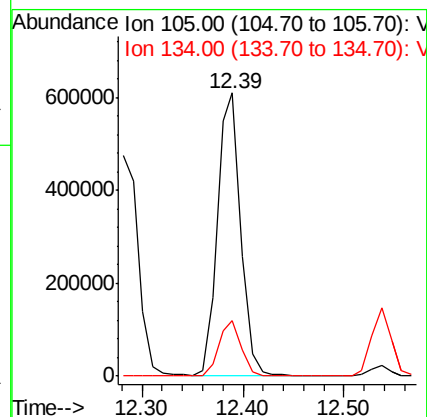
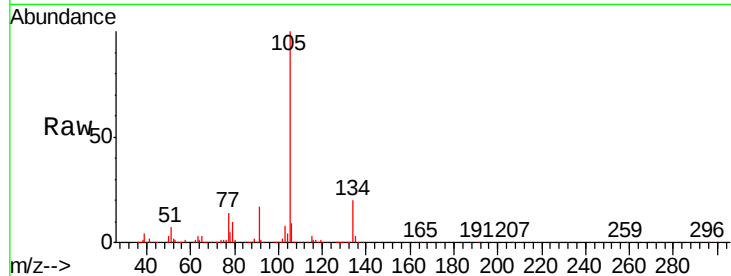
134 19.7 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 47.60 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF060540.D

Acq: 30 Oct 2018 11:45

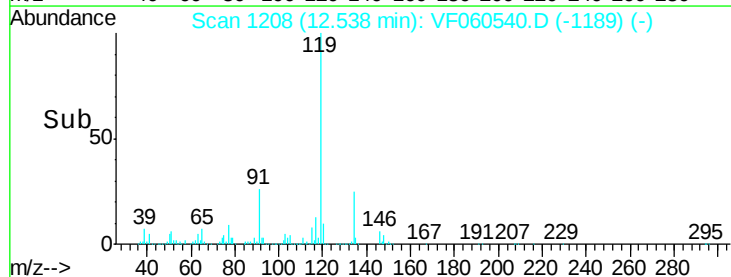
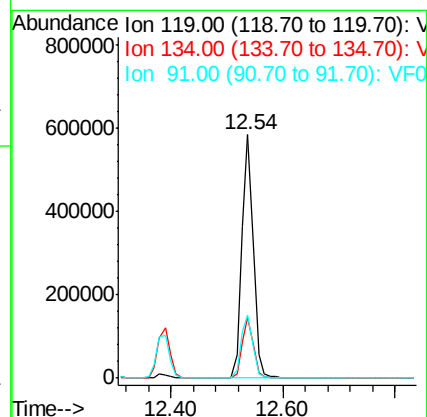
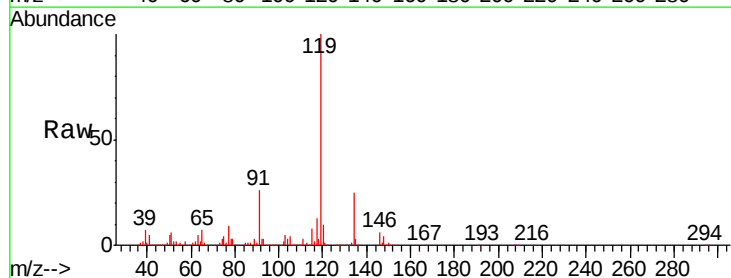
Tgt Ion:119 Resp: 816450

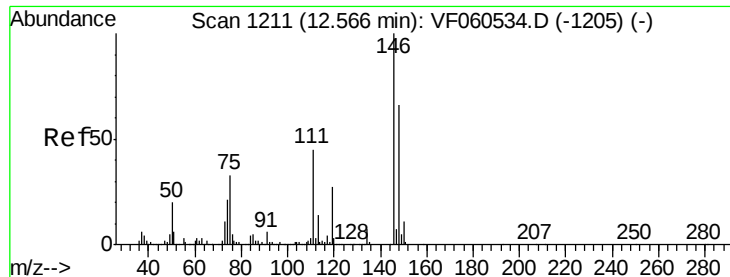
Ion Ratio Lower Upper

119 100

134 25.1 13.1 39.1

91 25.9 13.5 40.4





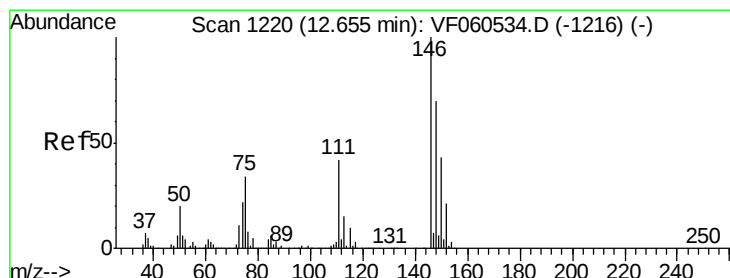
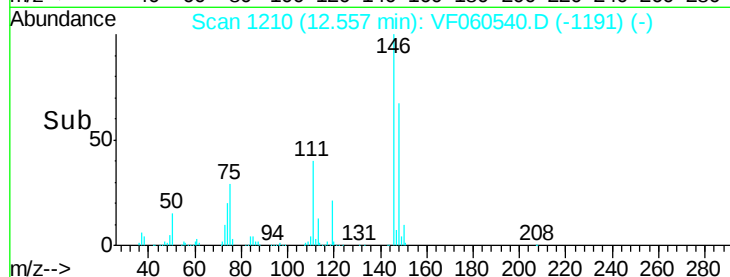
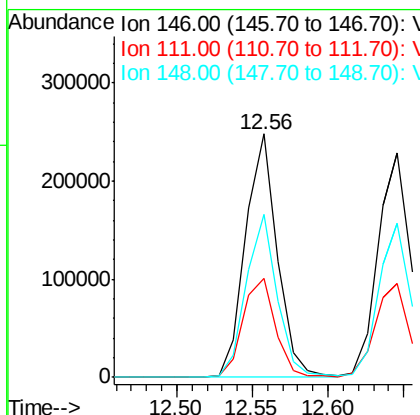
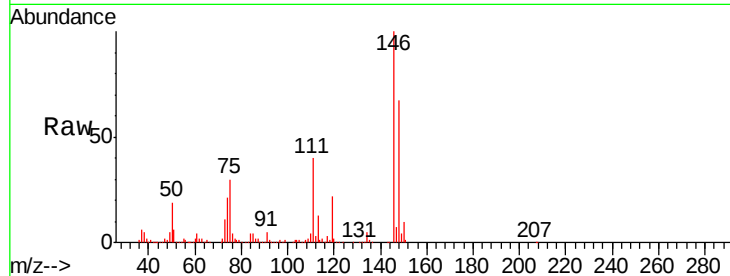
#87
 1,3-Dichlorobenzene
 Concen: 46.47 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	22.6	67.7
148	66.7	33.1	99.3

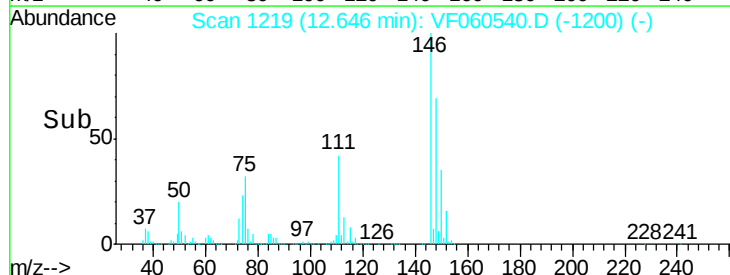
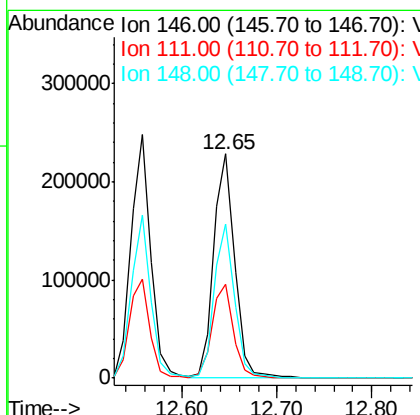
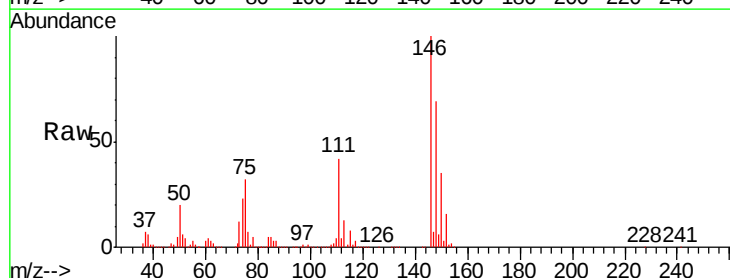
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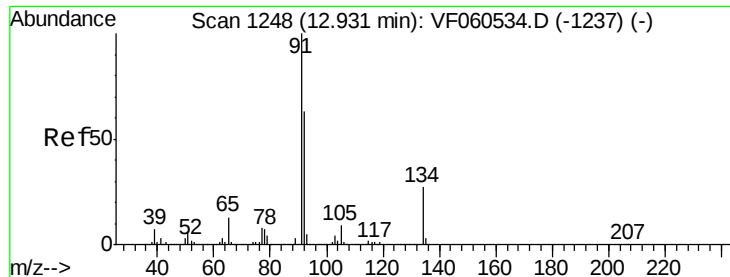
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#88
 1,4-Dichlorobenzene
 Concen: 47.98 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	68.6	35.1	105.5





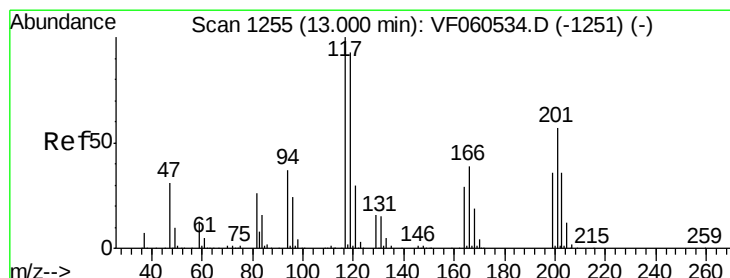
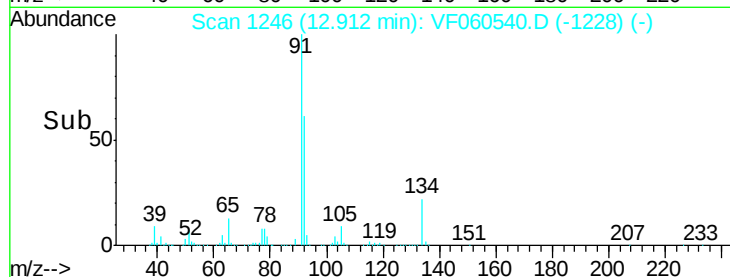
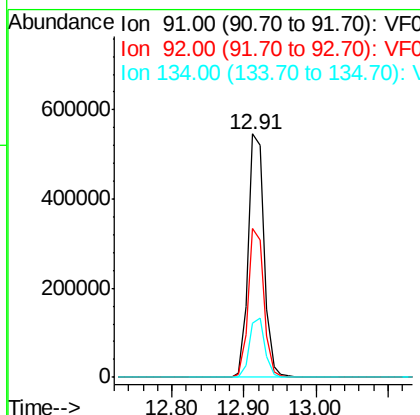
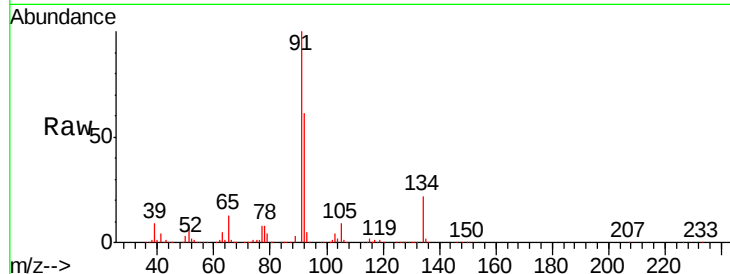
#89
n-Butylbenzene
Concen: 53.60 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.0	31.3	93.9
134	22.4	13.3	39.8

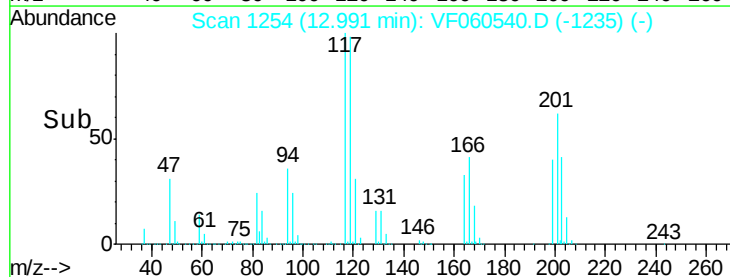
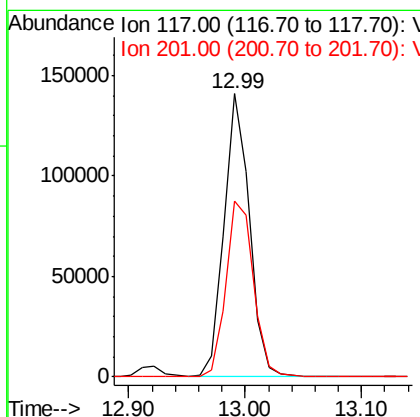
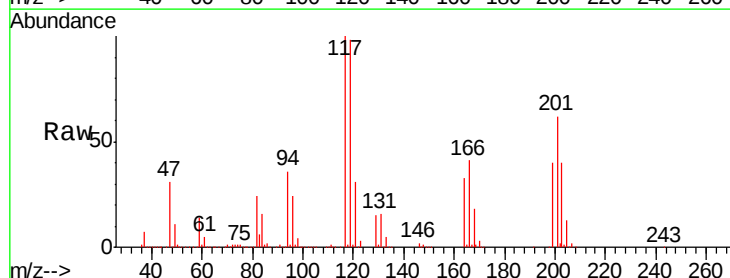
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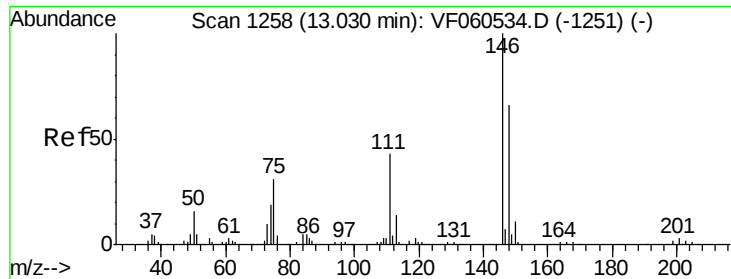
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#90
Hexachloroethane
Concen: 48.11 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.1	28.2	84.7





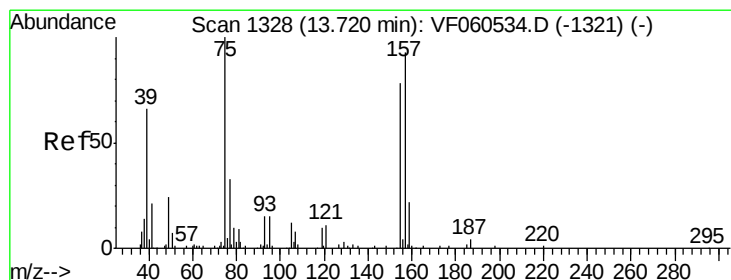
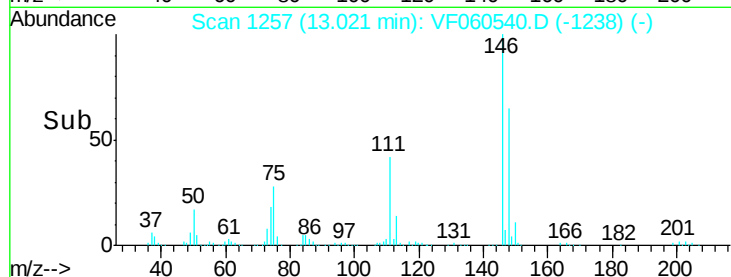
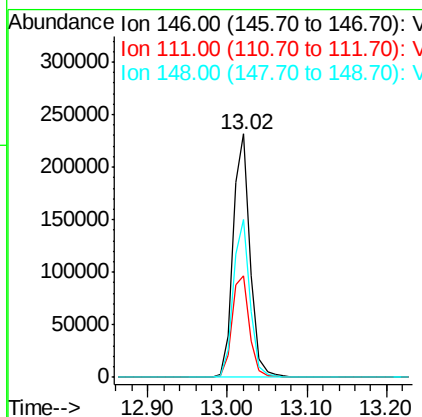
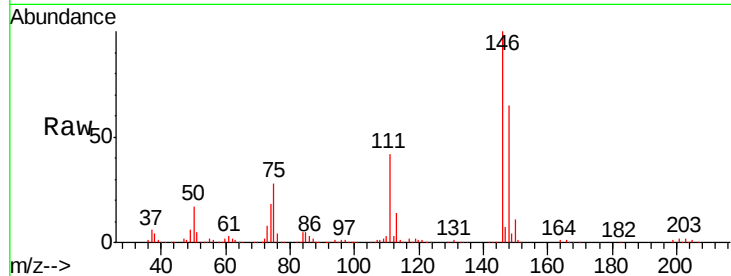
#91
 1,2-Dichlorobenzene
 Concen: 47.02 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	346440		
111	41.6	21.5	64.5	
148	64.9	33.1	99.5	

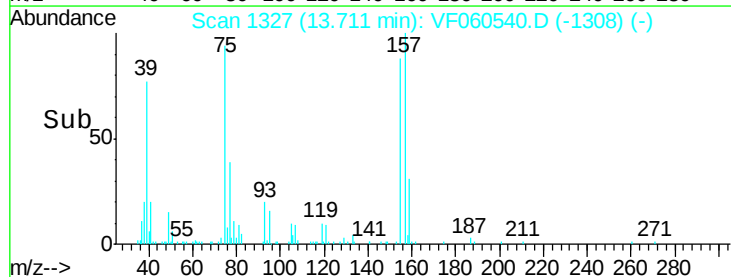
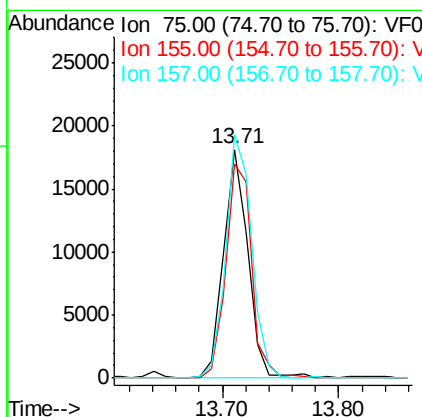
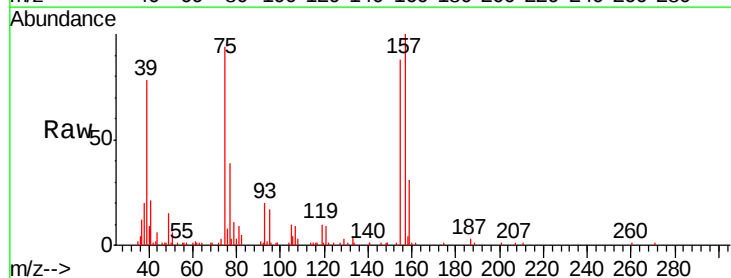
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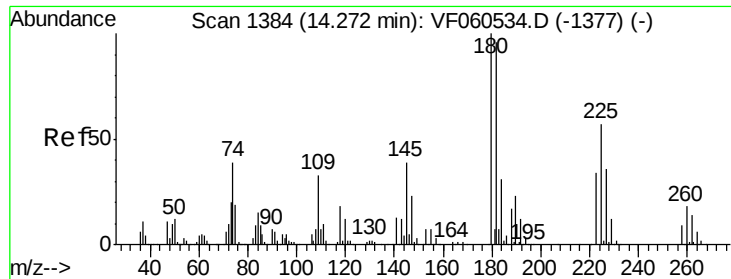
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.81 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26378		
155	93.5	40.8	122.5	
157	106.4	46.5	139.5	





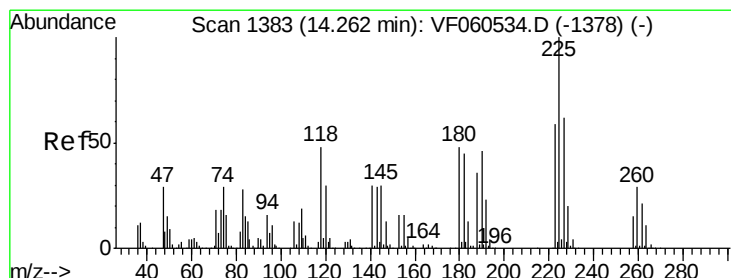
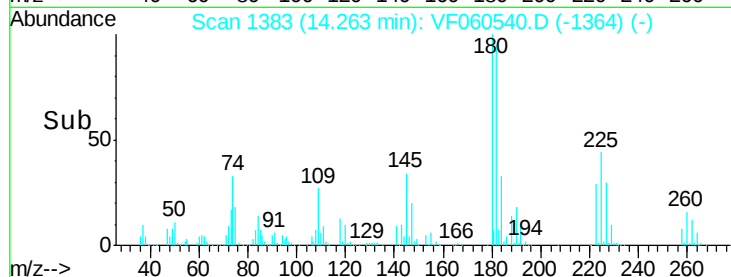
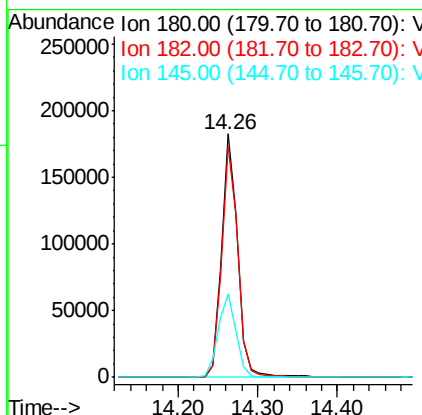
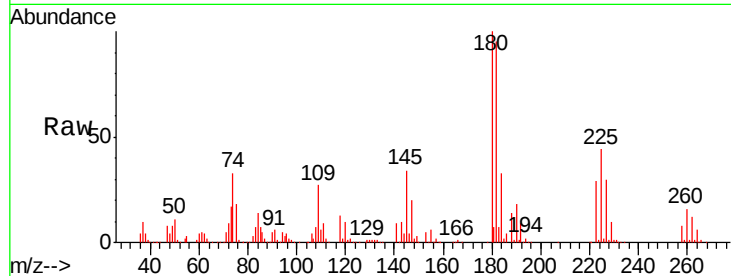
#93
 1,2,4-Trichlorobenzene
 Concen: 47.14 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	260187		
182	94.9	48.1	144.3	
145	34.2	19.5	58.5	

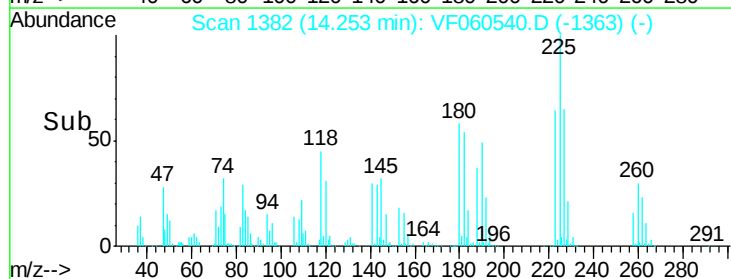
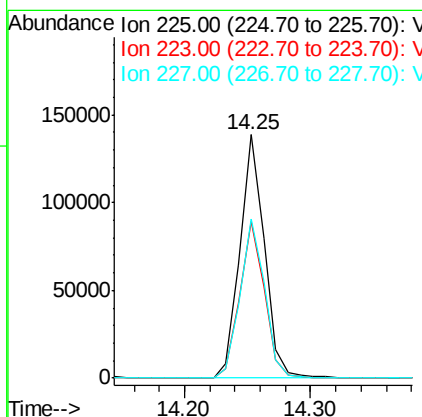
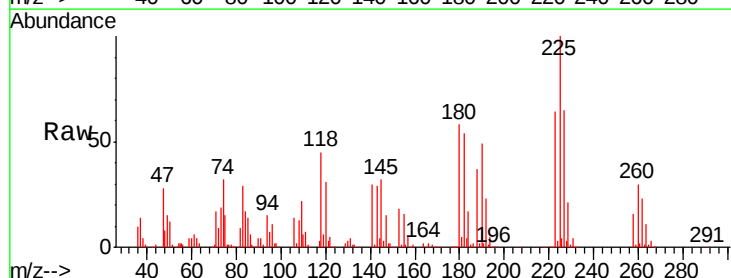
Manual Integrations
 APPROVED

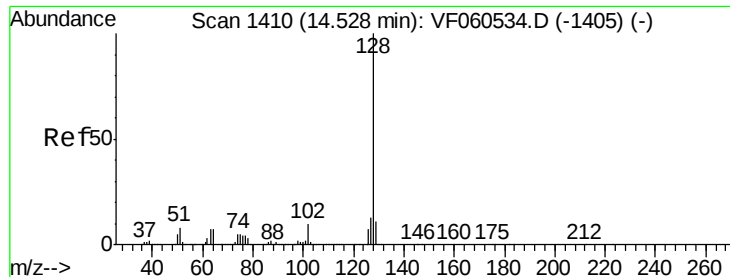
apatel
 10/31/2018 10:22:01 AM



#94
 Hexachlorobutadiene
 Concen: 47.56 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060540.D
 Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185834		
223	64.3	29.5	88.5	
227	65.4	31.3	93.8	





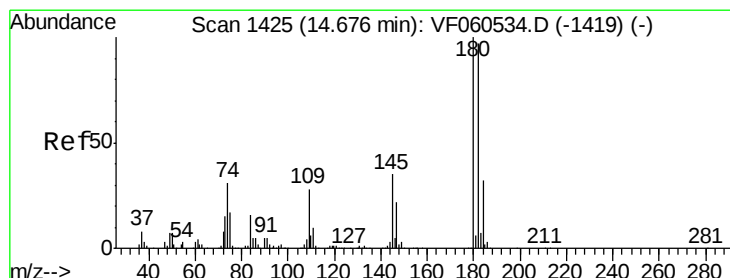
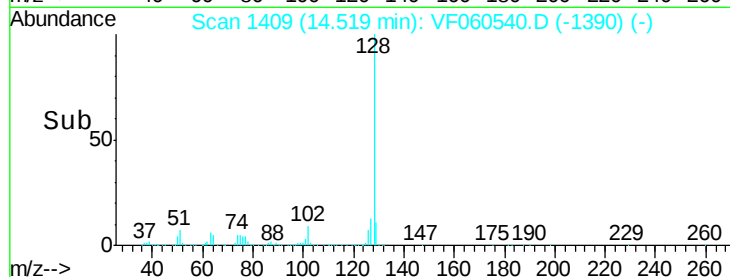
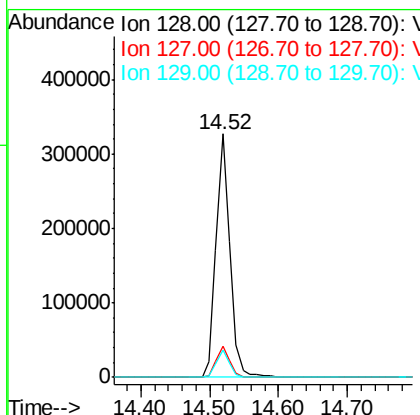
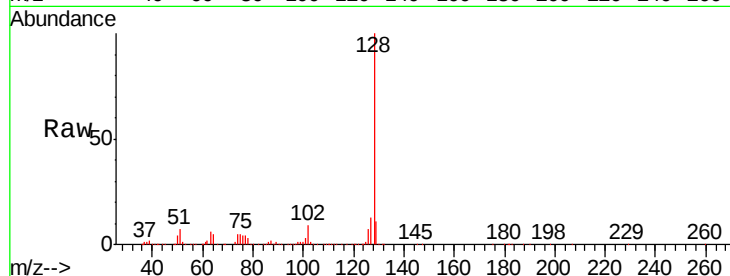
#95
Naphthalene
Concen: 47.01 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	458929		
127	12.8	10.1	15.1	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

apatel
10/31/2018 10:22:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.56 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.01 min
Lab File: VF060540.D
Acq: 30 Oct 2018 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	239328		
182	94.3	48.7	146.1	
145	30.6	17.3	52.0	

